McFarlane®

FAA-PMA Manufacturer of Quality Aircraft Parts

2022-2023 Catalog



800-626-7178
sales@mcfarlaneaviation.com
www.mcfarlaneaviation.com

Photo credit: See page 5 for details

Customer Number

Glossary

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OUR VISION:
Keep Our Customers Flying

OUR MISSION:
Deliver Innovative Products with Old-Fashioned Customer Service

OUR VALUES:
- Integrity, trust, and respect
- Innovation
- Safety and quality
- Customer service
- Culture

ABOUT US

We are a diversified manufacturing company that specializes in providing affordable, high-quality FAA-PMA components. In addition to our extensive line of high-quality FAA-PMA replacement parts, we offer a complete line of customer-designed and OEM products, including door and flight control cables, push-pull controls, cargo and seat rails, and many other unique products for the broader aerospace community.

Our parts are manufactured for many aircraft including General Aviation, Commercial, Experimental, Homebuilt, and Light-Sport Aircraft. We have thousands of FAA-PMA products at our facility located on the Vinland Valley Aerodrome (K64) near Baldwin City, Kansas. Today, we have five buildings with more than 100,000 square feet of office space, inventory storage, and factory floor. We even have another 22,000 square feet under construction!

Our products are engineered with superior quality and longer service life. No matter what you purchase from McFarlane, you can rest assured that you are getting the highest quality product at the lowest price!

OUR HISTORY



Vinland, Kansas

In 1970, Dave McFarlane created McFarlane Aviation to provide aircraft repair and restoration part-time, while concentrating on agricultural aviation activities in Mississippi, Arkansas, and Iowa. In 1979, Dave bought the Vinland Valley Aerodrome (K64) and moved McFarlane Aviation to its current location today. The quaint little country airport is located in Eastern Kansas, ten miles southeast of Lawrence, Kansas, the home of The University of Kansas and Haskell Indian Nations University, and four miles north of Baldwin City, the home of Baker University. The runway was built in a beautiful valley on the old railroad right-of-way in Vinland, Kansas, a pioneer ghost town. A few old store buildings, two old churches, several houses, and the oldest library in Kansas are all that remains of the once thriving frontier settlement. Fred McClenahan joined Dave and his wife Phylis in Kansas to provide aircraft repair, restoration, rental, flight instruction, and agricultural aviation services. Fred plays a key role today in developing and testing the McFarlane product lines.

In 1986, the company continued to prosper and grow, officially incorporating as McFarlane Aviation, Inc. As the years passed, it became apparent to Dave and Fred that there was room for improvement in many of the aircraft parts they were installing. In 1989, the company started in a new direction. New materials and improved designs were developed and tested for the Cessna seat rollers and washers. Aircraft owners accepted them as being far superior to the OEM parts, while costing much less. Sales of these first products grew rapidly and customers requested more products. New replacement parts were developed and approved by the FAA while manufacturing equipment, talented people, and quality control systems were added and improved.



Our Facility, June 2022

Manufacturing grew rapidly, and by 1993, all other operations except for basic airport services were sadly phased out. Since then, McFarlane has focused only on the development, testing, manufacturing, and distribution of quality FAA-PMA products.

In 1997, we added 7,000 sq ft of office and manufacturing space with another 6,000 sq ft added in the early 2000s. In 2012, we doubled our facility size. Again in 2020, we added another building. And in 2021, we added our fifth building. Today, our facility has five buildings total with more than 100,000 sq ft of storage, manufacturing, inventory, production, repair stations, and office space.

Today, McFarlane holds design and FAA-PMA approval for over 2,700 different replacement parts for several different makes of aircraft. McFarlane distributors are serving major aviation centers around the world. Past experience and constant input from knowledgeable customers have given McFarlane engineers vast knowledge of aircraft service demands that are the foundation of improved products. The pioneering spirit continues to live in Vinland, Kansas and we will continue to develop innovative solutions for aircraft service problems.

July 1, 2022

Where are we going? What's in the future for McFarlane Aviation Products and its business partners? The price of Avgas is way up, aircraft insurance is going up, our 401k is looking bad, and everything is on backorder! Good airplane mechanics are hard to find. It is easy to see the financial storms building on the horizon, but in many directions, sunshine controls the sky. Demand for pilots is stronger than it has ever been, the airlines are running with full cabins, flight schools are busy, new airplane deliveries are booked out. There is a lot of good out there. The brightest light coming around the clouds are the young people learning and flying with bright eyes and smiles and a sense of energy that comes with youth. That look they give you. I have seen it before. It reveals their passion for freedom and life. They have had a taste of it: the freedom and adventure of the sky. The smell of burned avgas, the smell of a new morning, a view of the earth from above, and the adventures that are possible. I remember those feelings and there is nothing like it! You must smile too when you see it in our young aviators and engineers. Their life is all ahead of them, and they will take aviation beyond our dreams. The utility of air travel seems to have had a rebirth; a refreshing of freedom and a new appreciation of the speed aviation gives you after the world was locked down so long. Our young people are a big part of this movement.

With the challenges that face us, it is now more important than ever for McFarlane to build more parts and products at a lower cost that will allow us all to stand up against the financial challenges that aviation faces. McFarlane is going to lower the nose and pick up speed in our innovation, product improvements, new parts, and distribution of other parts you need. We must. Our employees and friends are ready for the challenge. We are adding talented people and resources to pick up the pace. We are moving fast to add new suppliers and product so we can do our part to keep aviation affordable with one stop service. We want you to have the parts you need when you need them with old fashion customer service. I hope we can use our innovation to keep the love of flying accessible to everyone.

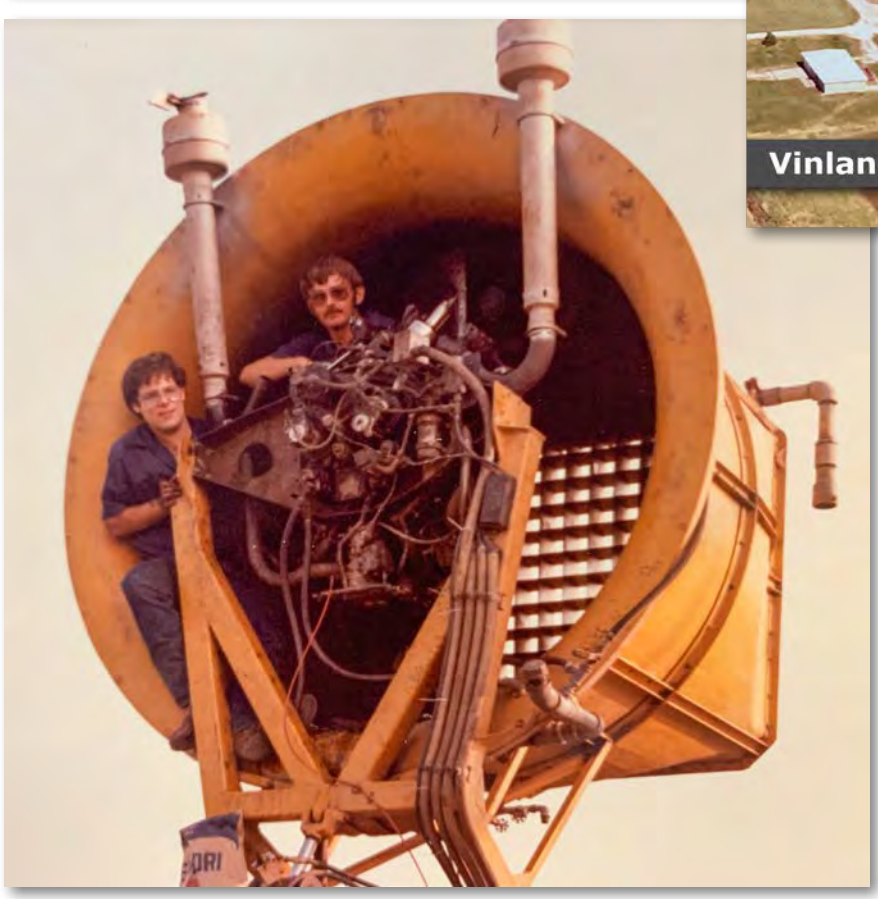
Thank you to the many that are always there to help us along our journey.

Sincerely,

David L McFarlane

Dave McFarlane





Back in the Early 1980s!

Near the beginning of our history, Fred McClenahan and Dave McFarlane helped repair some old wind machines for ABC Motion Pictures filming a movie nearby.

Because the wind machines were powered by aircraft engines, the production company thought Fred and Dave could repair some of the broken machines with their knowledge and tools, to which they did, right here in Vinland, Kansas!

"The pipe you see hanging on the right side, that's a water hose to discharge water in front of the wind machine. This is one method Hollywood uses to make driving rain scenes in the movies."

-Fred

Fred McClenahan (left)
Dave McFarlane (right)

Catalog Cover Photo

De Havilland Canada DHC-6-300 Twin Otter on floats, PT6-27 Turboprop
Pilot: Brianna Ricketts

My love for flying started at 13 years old when I joined the Air Cadet Program. I flew solo at the age of 14, becoming The Youngest Female to fly solo in Canada. I continued my path through Air Cadets and received my Glider License at 16 and Private Pilot License at 17. I also became the Top Air Cadet of Newfoundland and Labrador 2018. Then I received my Float endorsement 2 days after my pilot's license, all before I had my driver's license! I did my Commercial Pilot and Flight Instructor Rating then instructed for 6 months. I applied to Air Borealis and was hired when I turned 19. I'm very fortunate to have my father (Brian Ricketts) supporting my path and owning a Cessna 172 on floats together. We made it on the cover of McFarlane Magazine a few years ago. Flying is definitely in my blood. Being a father-daughter team is so special.



Brianna Ricketts and her father, Brian

I am now 22 years old with 3200 hours and I've been a First Officer with the Air Borealis for 3 years, flying the legendary DHC-6 Twin Otter on wheels, tundra tires, and floats. I have already started my training for my upgrade to Captain and I'm more than ready for the challenge. The job I do is very tough. Labrador is one of the most challenging places to fly in the world. There are days when the wind chill is -60F and 50+ mph wind in low visibility and the weather can be so unpredictable. You have to fly the plane, land on gravel strips less than 2500 feet, plus load/offload thousands of pounds of freight, and be the lifeline to the coastal communities in extreme weather conditions. In the summer I am very lucky to have the experience of flying on floats; it's my passion and favorite part of my job. We bring fishermen into local fishing lodges, fuel drums, mining equipment, boats, and so much more. Even though the job is tough, I do this work with pride and a smile on my face. I am honored to represent women and be a pilot on the Canadian Labrador Coast.

- Brianna Ricketts

Brianna is a second generation catalog cover pilot! Her father, Brian was also featured on the cover of our 2020 edition catalog.



Brianna captures photos of her flying journey on Instagram
Scan the QR code to see her adventures!



Photographer: Shane Heard
Captain: Keith Leonard
First Officer: Brianna Ricketts
Cargo Agent: Bush Hudson
Location: Otter Creek Seaplane Base in Happy Valley-Goose Bay, Newfoundland & Labrador, Canada

QR Codes

Check out our various QR codes throughout the catalog. Each QR code will take you directly to the product, video, or document in reference on our website or YouTube channel.

To use our QR codes, simply open the camera app on your Smartphone and hover the camera over the QR code box. Your device will take you directly to the weblink in reference. Depending on your device, you may recieve a popup box asking you to click "Open" in your web browser. Try out the QR code below to visit our website!

Some devices may require a special app for QR codes. Browse your app store for the best QR code application.

www.McFarlaneAviation.com

Quick and direct access to our videos and website!



Follow us on Social Media!

Follow us for new product releases, installation videos, promotions, and company updates. Join us on Facebook, Instagram, YouTube, and LinkedIn.

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Join our Email Newsletter!

Stay up to date with our e-newsletters emailed directly to you about twice each month. Your email address will not be shared or sold to anyone. To subscribe, call 888-626-7178 or visit our website at **www.mcfarlaneaviation.com/signup/**

- New product announcements
- Aircraft maintenance tips
- Sales promotions



Custom Flight Cables

All of our custom flight cables meet or exceed all DOD, MIL-SPEC, and FAA specifications

We are DOD certified (QML listed) to fabricate flight cable assemblies to MIL-DTL-6117 specifications or we can manufacture to your custom specifications. Our flight cables are produced with standard AN or MS type fittings. They are also pre-stretched and proof loaded in accordance with MIL-DTL-5688.



We also manufacture and certify cable assemblies to the NAS302 through NAS310 standards. If you need cable assemblies requiring special non-standard terminals, we can quickly make them to your specifications or old cable using our precision machine shop, inspection system, and quality-controlled processes.

To enhance the longevity of your flight control cables, we also offer several industry standard corrosion preventatives. Our custom cable assemblies are manufactured using the same materials and quality as our FAA-PMA products, however custom flight cables are not FAA-PMA approved.



When you purchase a McFarlane custom flight cable you can be assured of traceability of all materials and tests are maintained. Our extensive stock of cable and fittings allow us to provide expedited delivery to support your needs for most orders.

For PMA approved flight control cables and full system kits on certified aircraft, visit our **Flight Control System** section of the catalog to find the components that fits your aircraft!

Custom Push-Pull Controls

We also have the capability to manufacture custom Push-Pull Controls for most any aircraft flying today!

All McFarlane Push-Pull custom control cables are built to customer provided specifications. Our custom controls duplicate the original customer supplied controls in regard to length, thread size and pitch, wear sleeve locations, diameter, and travel length. You can also completely customize a brand new control for your application!

Vernier-Assist technology is also available for some controls in addition to our standard designs.

Our custom controls are manufactured to the same standards using the same materials, rigorous testing and inspections as our FAA-PMA approved products; however, custom controls are not FAA-PMA approved.

When you purchase a McFarlane custom product, you can be assured that traceability of all materials and tests are maintained for our controls.

For PMA approved controls on certified aircraft, visit our **Push-Pull Controls** section of the catalog to find the control that fits your aircraft!

Learn how to measure your engine controls for custom manufacture by visiting our website or YouTube channel. Scan the code below for direct access!

Quadrant Style

Vernier Style

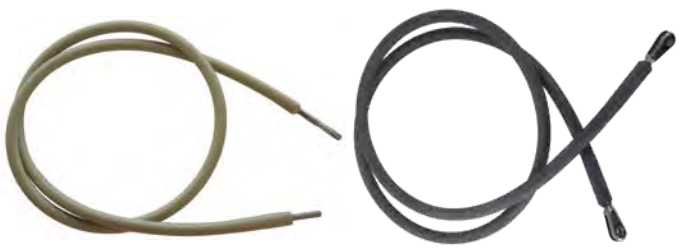


Custom Door Cables

Are you frustrated with making a stock door cable work for you? We have the solution!

Handcrafted custom door cables can be fabricated to your specifications, color, and configuration options. Our extensive stock of cable and fittings allow us to expedite the delivery process.

Our custom door cables are pre-formed stainless steel and sealed with silicone rubber to prevent cracking from wear and climate changes. The silicone rubber coating does not separate from the cable and remains pliable for easy opening and closing of aircraft doors. Visit our **Door and Step Parts** section of the catalog for color choices and more details on the custom process!



Custom Seat Rails

Ideal for homebuilt and experimental aircraft! Also perfect when replacements are no longer available for special applications

We manufacture high quality custom cargo and seat rails built to customer provided specifications, utilizing the same stringent manufacturing and quality processes as we do with our PMA rails. This provides our customers with proven technology that delivers the product on time, on budget, with superior corrosion resistance and added strength.

We have a variety of extrusions available for use in your design, as well as state of the art CNC machines for precision cuts and finish. Our blank extrusions can be cut to most any length and is sold by the inch. Call for details or submit the appropriate design form.



Overhaul Services

We offer service and repair on select products, such as our Fuel Selector and Fuel Shut-Off Valves, Cessna Trim Tab Actuator, Universal Joint Drilling, Fuel Pumps, and Smoke Pumps.

We now offer a certified repair station! Our services include cleaning, inspection, and reassembly with select new components.

For our Universal Joint Drilling service, we precision match the tapered attachment hole in universal joints to exactly match the old universal joint. The precision match service prevents the customer from re-rigging the aileron control system. Offering these services gives you an alternate solution to save hundreds of dollars.

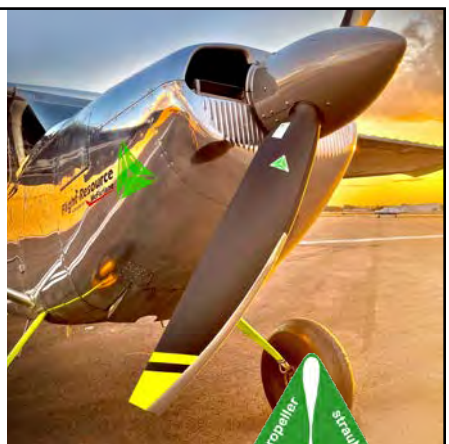


MT-Propellers

McFarlane is now the world's largest volume distributor of MT Composite Propellers

We stock the most popular models, ready to ship! MT Propellers are high-performing, vibration-free, light-weight, and backcountry tough.

The specially engineered composite design is extremely light-weight, some models up to 35 lbs lighter. MT Propellers also have the best thrust, take-off, climb, and cruise performance! They are known for operating vibration-free, improving the experience and aircraft engine life.



MT Propellers also offer full reversing thrust capabilities in 2- or 3- blade options for any float and land plane! Flip to our **Propellers** section of the catalog for more details on our STC's available.





New! Piper Bug Nuts
Heat-treated stainless steel
Improved cone for less wire distortion



Pages 47-50

New! Torque Link Kit
Expanding our eligibility!



Page 326

New! Rod Ends
FAA-PMA approved for Cessna Caravan



Page 478

New! Tail Bushing and Spacer
FAA-PMA for Cessna

Bushing
Stronger PEEK material, outlasts Delrin!

Spacer
Heat-treated stainless steel for corrosion and wear resistance



Page 293

New! Air Filter Shroud Assembly
FAA-PMA approved for Cessna

- Durable aluminum
- Helps cool the engine



Page 95

New! Exhaust to Engine Cylinder Gaskets
FAA-PMA approved for Continental and Lycoming Gaskets



Page 91

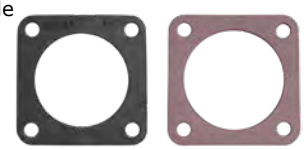
New! CamGuard
Advanced Engine Oil Supplement



Page 461

New! Carburetor to Engine Gaskets
In stock and ready to ship!
OEM and aftermarket FAA-PMA available

Keep your engine running smoothly



Page 91

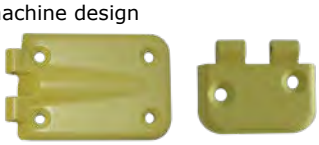
New! Airbox to Carburetor Gaskets
FAA-PMA approved for Cessna and Piper
MIL-SPEC fuel proof



Page 92

New! Cabin and Cargo Door Hinges
Cessna 100 and 200 Series
FAA-PMA approved with improved machine design

Available drilled and undrilled



Pages 387-388

New! Exhaust Nuts & Studs
FAA-PMA approved for Continental and Lycoming engines!

- Heat-treated, high-strength stainless alloy
- Saves labor and cost by lasting longer
- ***Black Max***™ prevents galvanic corrosion between stainless and aluminum cylinder

*These are the **good** ones!*



Pages 129-133

New! Mooney Engine Controls
Throttle, Prop and Mixture!

- Solid metal construction
- Superior low friction conduit



Page 53-54

New! Forensics CO Detector

Portable Carbon Monoxide Monitor

Easy to use!



Page 207

New! Sensorcon AV8 CO Detector

Portable Carbon Monoxide Monitor

Visual and audio alarms



Page 207

New! Nose Gear Bearings

FAA-PMA approved for Cessna aircraft

- In stock and ready to ship
- Save $$$



***New!* Ring Pack Support**



Page 333

New! Beechcraft Rod Ends

Built to last!



Page 306

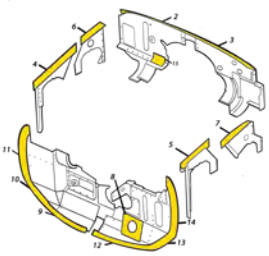
New! Baffle Seal Kits

Reduce airframe vibration, cowl cracks, and firewall cracks

Cessna 150 and 152 series

- Full kit to enclose engine compartment
- Cut to fit, saving you time and money





Page 97-99

New! Wheel Seal Kits

FAA-PMA approved for Piper Aircraft

- Direct replacements
- Grease seal rings, plates and felt to service a wheel



Page 340-341

New! Curtis Fuel Drain Valves



Pages 188-191

New! Wing Tip Bracket

FAA-STC for Beech Bonanzas and Barons with wrap-around style wing tip lenses



Page 406

New! Whelen Lighting

Landing, Taxi, Navigation, Anti-Collision, and more!



Page 394-406

New! Fuel Drain Valve

FAA-PMA approved for Cessna 185 aircraft



Page 187

Exhaust Valve Guide Cleaning Reamers

Easily clean your Continental or Lycoming exhaust valves

Larger pilot matches the diameter of the valve stem! No more wobble



Cowl Saver™ Baffle Seal Material
with Bi-Flex™ Technology

*You will feel the difference! Satisfaction **GUARANTEED**!*

30x less friction!



Available in rolls, sheets, and complete kits

*See **Firewall Forward** section for more details!*

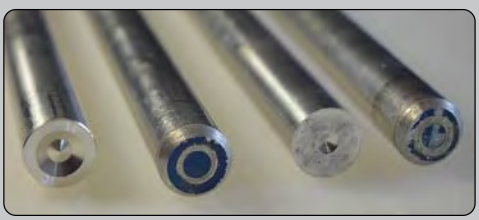
D A M™ Products
Unique Hangar and Toolbox Solutions



Window Cleaner, Pulley Oil, and Exhaust Lubricant

*See **Tools and Maintenance** section for more information!*

Certified Aerospace Material
Great Deals on Small Lengths!



Take a look at the "Metal Bar Stock" category:
www.mcfarlaneaviation.com/products/category/metal-bundles

SAFE-HEET™ Engine Heater
Over 30 Years of Proven Quality

*Warms your entire engine in less than **ONE** hour!*

Industry-leading
4 Year Warranty!

FAA-PMA approved for Continental, Lycoming, and Franklin engines.

Easy to use, efficient, economical, and safe!



*See **Firewall Forward** section for more information!*

Fuel Selector and Fuel Shut-Off Valves

Buy a new fuel valve, or send yours in for repair services!

- Improved corrosion resistance and O-ring retention
- Save thousands $$$



Pages 161-168

Replacement Torque Links

Stronger and lasts longer!

- FAA-PMA approved for Cessna 100 and 200 series aircraft
- Substantial cost savings $$$



Pages 324-325

Cabin and Cargo Door Hinges

Cessna 100 and 200 Series

- FAA-PMA approved solid welded design
- Extra strength and wear resistance



Pages 387-388

Tempest Products

Spark plugs, vacuum pumps, oil filters, carburetors, deice valves, fittings, tools, and more!







Lowest price in the industry!

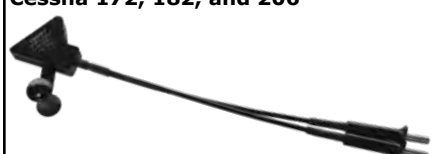


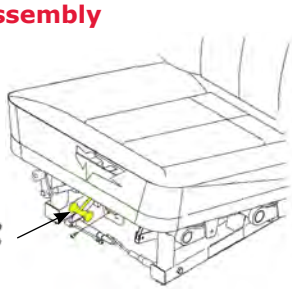
TEMPEST excellence

Pages 64-90

Cessna Seat Release Control Assembly

Improved quality for increased longevity at a lower price!
Cessna 172, 182, and 206





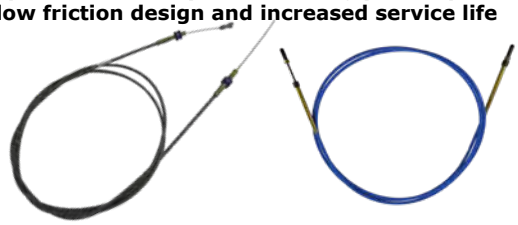
Page 378

Bonanza Throttle, Prop, and Mixture Controls
FAA-PMA Beech Bonanza controls



Page 51

Cessna Flap Indicator Cables
Improved reliability in controlling your flaps with a low friction design and increased service life



Page 31

Fuel Pumps
Supporting Tornado Alley Turbo Conversions



Page 172

Bonding Straps
Save $$$ with our direct replacement for 1517102 series bonding straps!



Pages 311-313

Trim Tab Screw Assembly for Caravan
***Black Max*™ nitrocarburized coating for wear resistance!**



Save $$$

Page 487

Commercial Products
Boeing 757 Thrust Reverser Gimbal & Lanyard
Matched fit, form, and function of the OEM, at a dramatically lower price AND in stock!



Page 489

Piper Exterior Trim and Fairings
Now offering both Cessna and Piper parts!



Pages 432-438

Interior Plastic Trim for Cessna, Piper, and Beechcraft
Stocking hundreds of interior plastic parts!



Pages 439-451

Cessna Tail Slide
Protect your aft bulkhead from an accidental tail strike!
Perfect for flight training and rough fields



Page 471

Retractable Gear Brake Swivel
Leak-proof swivel point

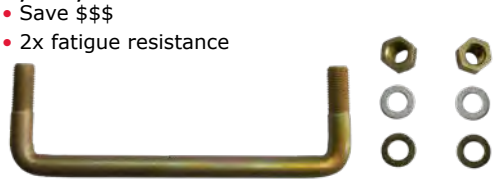
Save 25%



Page 334

Cessna Landing Gear U-Bolt
172, 175, and 182 series

- Save $$$
- 2x fatigue resistance



Page 335

Cessna Fuel Transmitter Gaskets
FAA-PMA approved for P/Ns MCS2670-1
206, 207, 208, and 210 series



MC1422306-1
337 Skymaster



Page 178

D A M™ Exhaust Lube
The only anti-seize that works!
Designed for exhaust systems

- Prevents heat corrosion and joint lockup
- Loosens assembled joints
- Graphite free!

Protects up to 2400° F



Page 128

Cessna, Piper, Lycoming, and Continental Alternator V-Belts
FAA-PMA approved, and at an affordable price!
Quality guaranteed!



Page 124





Exhaust Deflectors for Caravan and CASA Aircraft

Keep the exhaust from impinging on the cargo pod or wing trailing edge and flaps!

- Save $$$ on repairing corroded or damaged areas
- Elminates exhaust stains

Easier to keep the aircraft clean!



Page 128

Seat Stops

Added aircraft eligibility!

- Much stronger than the originals



Pages 376-378

Cessna Caravan Control Lock



Significantly lower cost!

Page 479

Cessna Caravan Quadarant Cover

Increased durability and longer life!



Save thousands!

Page 486

Carb Heat Air Box Assemblies

Cessna 182 Air Boxes now available

Stop wasting time and $$$ cobbling together that old air box!



Page 94

Kodiak Extended Crew Door Steps

Add a second step for the crew door, below the original step!



Page 393

Steering Rod Boot and Doubler Kits

Protect the cabin in case of an engine fire!



Page 323

Beechcraft Flight Control Cables

FAA-PMA approved Beech Bonanza 33-35 cables



Pages 274-285

Stat-O-Seal

FAA-PMA approved for Cessna Aircraft



Page 187

Exhaust System Components

Offering the largest stock in the aviation industry!
Exhaust mufflers, tailpipes, shrouds, risers, and more!



Pages 128-160

Complete Sub-System Cable Kits

Cessna, Piper, and Beechcraft
Replacing your entire flight control system? We now stock complete sub-system flight control cable kits for your aircraft!

Easily order all the cables you need!

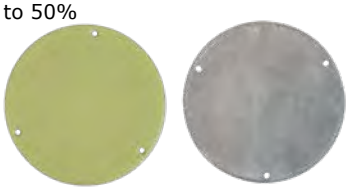


Page 208

Cessna Inspection Plates

Multiple finish options and cost savings!

- Treated for anti-corrosion
- Quantity discounts available!
- Save up to 50%



Page 314

Aft Seat Rails for 200 Series Cessna Aircraft

Over 30 new FAA-PMA approved part numbers added!



Pages 363-366

Cessna Trim Tab Actuator

New, rebuilt, and 1000 hour services available!

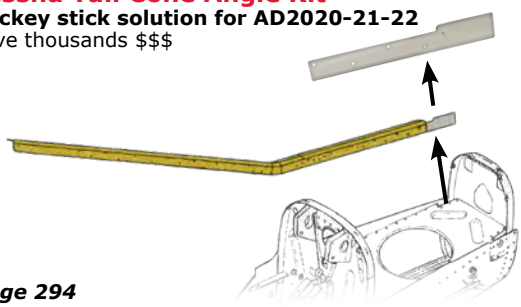
Save hundreds!



Page 295

Cessna Tail Cone Angle Kit

Hockey stick solution for AD2020-21-22
Save thousands $$$



Page 294

Cessna Trim Wheel

Take the load off the shaft and roll pins!



Page 293

AeroShell Oil

Engine oil at **COST!**
We want to keep you flying!



Page 461

Airforms Crew Ladder Components

FAA-PMA approved for Cessna Caravan

- Corrosion resistance
- Longer life

Fraction of the cost!



Page 483

Push-Pull Controls for Beech Baron Aircraft

Preferred by pilots around the world!



Page 52

AeroLEDs Landing and Taxi Light Kits

Beechcraft, Caravan, and Pilatus



Page 394



Up and Coming Products and Approvals

McFarlane is continuously engineering new products for many different aircraft. Below are just some of the items we have on our upcoming list of product approvals. Be the first to know about our coming soon items by visiting our website. You can also subscribe to our email newsletter to stay informed each month!

Scan the QR code to see our new products coming soon!
This list is updated regularly



Beechcraft

- **Shimmy Dampener**
  Shimmy Dampener eligibility for Beech Bonanza



Cessna

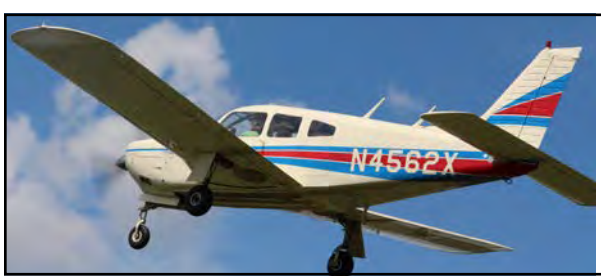


- **Replacement Door Handle**
  PMA replacement Door Pull for 180 and 182 aircraft
- **Shimmy Dampener**
  Expanding our McFarlane Shimmy Dampener to include eligibility for the entire 182, 206, 207, and 210 series!
- **Fuel Selector Valve**
  Expanding our current McFarlane Fuel Selector lines to include eligibility for early 180 and 182 series
- **Fuel Primers**
  PMA replacement for Fuel Primers on 100 and 200 series
- **Door Springs**
  FAA-PMA replacement door springs for Cessna 180/182/185 aircraft
- **Ancillary Controls**
  Environmental Controls for use on various Cessna aircraft from the 150, 152, 172, 175, 180, 182, & 185 series
- **Tail Bracket**
  Tail Bracket for Cessna 180, 182, 185 aircraft









Piper

- **PA-28 Shimmy Dampener**
  Expanding our Shimmy Dampener to include eligibility for PA-28 aircraft

Learjet

- **Learjet 60 Flap Control Cables**



McFarlane is the World's Largest MT-Propeller Distributor

Experience the composite advantage!

- ***Vibration dampening***
- ***Improved thrust, take-off, climb, and cruise***
- ***Owner repairable blades for minor FOD***
- ***Unlimited blade and hub life with no ADs***
- ***SMOOTH operation reduces airframe and engine wear***

mt-propeller



"The MT natural composite prop is the only composite prop that actually absorbs vibration instead of generating vibration like a metal prop or other foam core composites. The smoothness extends the life of everything under the cowl. The braking action of the MT prop gives unmatched control on short field approaches and I get amazing takeoff performance. I had to do a field repair after picking up something that would have ruined a metal blade. It was a quick and easy fix right on the ramp. The 19 lbs. of less weight and related gyroscopic loading makes the aircraft more responsive with less stress on everything."

Dave McFarlane
Cessna 175
2-Blade Expedition Series MT Propeller

STC's and Field Approvals for Hundreds of Aircraft

Most popular models IN STOCK!

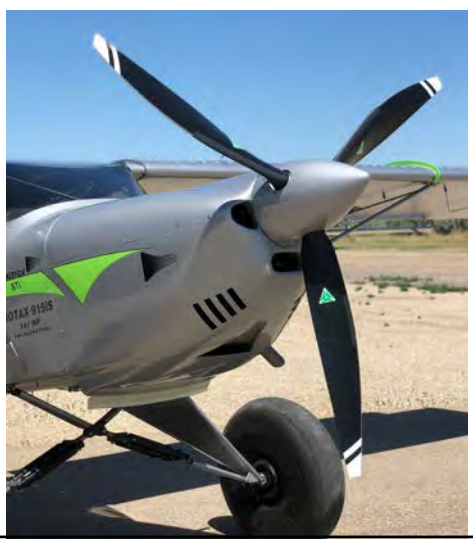
- Improves life of engine and avionic components
- Reduces maintenance costs
- Significant inside and outside noise reduction
- Unlimited blade life
- Reverse option available with select aircraft

Call our MT-Propeller Specialists!

866-717-1117

MT Propellers will provide you with superior performance, maneuverability, and control!







MT-Propeller STC's and Field Approvals

Aircraft	Blades	Reverse Option
Aermacchi		
Marchetti F260	3-Blade	
American Champion		
8GCBC Scout	3-Blade	
8GCBC Scout	2-Blade "Ultra"	
8GCBC Scout	2-Blade	
8KCAB Super Decathlon	2-Blade	
	3-Blade	
Aviat		
A1 Husky	2-Blade "Expedition"	•
	3-Blade "Ultra"	•
	2-Blade "Ultra"	•
Aviat/Christen Eagle	2-Blade	
	3-Blade	
BAE Systems		
Jetstream 3100/3200	5-Blade	
Beechcraft		
Baron 55/58	4-Blade	
Bonanza 33, 35, 36	3-Blade	
Bonanza 36 with RR Turbine	5-Blade	
B99 and B100 series	5 Blade	
Cessna		
170	3-Blade	•
	2-Blade "Ultra"	•
	83" 2-Blade	•
172A thru 172P	3-Blade	•
	2-Blade "Ultra"	•
	83" 2-Blade	•
172R thru 172S	3-Blade Electro Prop	•
175A thru 175D	3-Blade	•
	2-Blade "Ultra"	•
	83" 2-Blade	•
177A,B,RG	3-Blade	•
180	2-Blade	•
	3-Blade	•
182	2-Blade	•
	3-Blade	•
T182	3-Blade	
185	2-Blade	•
	3-Blade	•
206, 207, 210	2-Blade "Expedition"	•
	3-Blade "Expedition"	•
P/T 210	4-Blade	
206 with Soley Turbine	5-Blade	
206 with RR Soley Turbine	5-Blade	•
P210N Turbine Silver Eagle	5-Blade	
208 Caravan with PT6	4-Blade "Express"	
208 Blackhawk with PT6	5-Blade	
T303 Crusader	4-Blade	
310	Contact us	
336 and 337	3-Blade	
340	4-Blade	
400	4-Blade	
414	4-Blade	
421	4-Blade "Express"	
425 PT6	5-Blade "Express"	
Cirrus		
SR-20	3-Blade	
SR-22	3-Blade	
	4-Blade	
Cubcrafters		
Carbon Cub		•
De Havilland		
DHC-6 Twin Otter	4-Blade	
Diamond		
DA20-C1	2-Blade	
DA42	3-Blade	

Continued on next column

Aircraft	Blades	Reverse Option
Dornier		
228 series	5-Blade	
Extra		
200/300 series with -360 Engines	3-Blade	
300 series with -540 Engines	3-Blade "Vortex"	
400	4-Blade	
Extra 500	5-Blade	
Glasair		
I, IFT, II, IIFT, and III	Contact us	
Sportsman	Contact us	
GlasStar	Contact us	
Grob		
G-109, G-112, G-115, G-200	Contact us	
Grumman		
Tiger AA-5B, AG-5B	3-Blade	
Kodiak		
100 series	5-Blade	
Lake		
LA-4-200	3-Blade	•
LA-250	3-Blade	•
Lancair		
All models	Contact us	
M7 Aerospace		
SA26-AT (Merlin IIB)	5-Blade	
SA226, SA227	5-Blade	
SA226	5-Blade	
Maule		
M6, MX7	3-Blade	
Mitsubishi		
MU-2B	5-Blade	
Mooney		
M20E,F,J	3-Blade	
M20K	3-Blade	
M20M	4-Blade	
M20R-S-TN	4-Blade	
Mudry		
CAP 10	2-Blade	
Murphy		
Moose		•
Rebel		•
Pacific Aerospace		
PAC 750 XL	4-Blade	
Palatus		
PC-12 series	5-Blade	
Piper		
PA-18 w/ -260 or -390 engines		•
PA-24-250, 260	3-Blade	
PA-28-180, 181	3-Blade	
PA-28R-180, 200, 201	3-Blade	
PA-28R(T)-201T	3-Blade	
PA-28-236 (Dakota)	3-Blade	
PA-30, 39	3-Blade "Express"	
PA-31P	4-Blade	
PA-31T	5-Blade "Express"	
PA-32-260, PA-32R-300, PA-32RT-300, PA-32R301 Saratoga SP, Saratoga II HP	3-Blade	
PA-34-200T	3-Blade	
PA-34-220T	3-Blade	
PA-42-720	4-Blade	
PA-42-1000	5-Blade	
PA-46-310P	4-Blade	
PA-46R-350P thru -350T	4-Blade	
PA-46-310P/350P Jet Prop	4-Blade	
PA-46-500T	5-Blade	
PA-60-600/601P, 602P Aerostar	4-Blade	

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

MT-Propeller STC's and Field Approvals continued from previous page

Aircraft	Blades	Reverse Option
Pitts		
S2A	3-Blade	
S2S,B,C	3-Blade "Vortex"	
	4-Blade	
Rockwell		
Commander 112	3-Blade	
Commander 114A,B,C	3-Blade	
Seawind		
All models	Contact us	
Short Brothers		
SC-7	5-Blade	
Socata		
TB20	3-Blade	
TB21	3-Blade	
TBM700/850	5-Blade	
Continued on next column		

Continued from previous column

Aircraft	Blades	Reverse Option
Sukhoi		
All models	Contact us	
Vans RV		
"Express" Medium Duty	3-Blade	
"Express" Heavy Duty	3-Blade	
Velocity		
All models	Contact us	
Vulcan Air		
P68 Observer	3-Blade	
P68TC Observer	3-Blade	
Yak		
18, 50, 52, 54, 55	Contact us	



The MT "Ultra" Series Composite Propeller

"I have flown nearly every Unlimited Aerobatic aircraft and propeller combination. The 'Dash 25' MT Propeller is the best in all aspects and has been my choice on the Pitts Viper Team for the past six airshow seasons.

We have four Pitts Airshow Aircraft, all running MT propellers. I have 24 years both as a pilot and mechanic in the aerobatic industry. MT has a stellar performance and safety record. **MT is my choice...**"

- Jason Newburg - Viper AirShows

The MT "Ultra" Series Composite Propeller

"I grew up in Alaska, a descendant of one of the first pilots to come to the State. My 'have fun plane' is this Husky. I have owned or flown every available prop for the Husky, including both metal and the composite Hartzells. I found the MT Ultra to be the absolute best prop for the Husky.

It is light, fast, smooth, and has the best climb rate and is the **most durable and efficient prop** I have run on this plane. There is no single modification that has improved an airplane as much as the MT Ultra. I've recommended this prop to other Husky owners and they are all very satisfied with their MT Ultras."

- Kurt Wien - Husky





The MT "Expedition" Series Composite Propeller

"This prop has exceeded expectations in all aspects of flight, including take-off, climb and cruise. I found the performance especially remarkable on floats and skis, and it pulls exceptionally well on take-off in very demanding situations.

When the reviews described the MT as ***'turbine smooth'***, I thought it was an exaggeration. However, after the first hour of flight I was convinced that the claims were true. The comfort level awarded to pilot and passengers is truly remarkable."

- Hubert Esquirol - Cessna 180

337 Skymaster Spinner Bulkhead

Most Skymaster 337 Rear Spinner Bulkheads are cracked!
P/N MC1557300-5

- Now FAA-PMA approved!
- Less than half the price and 15 times the crack resistance!
- Spun to shape, heat treated, and spun again
- Kit includes anodized aluminum pressure plate reinforcement
- One piece construction 2x the thickness
- Precision machined to final trueness and balanced
- Epoxy primed and balanced with installation hardware



5 year warranty!

Aircraft
337, 37B,C,D,E,F,G,H
F337E,F,G,H
FT337E,F,GP,HP
P337H
T337B,C,D,E,F,G,H, T337H-SP

Cowl Plugs and Prop Restraint

Protect your engine!
Cowl Plugs P/N ATI-COWL
Prop Restraint P/N PROP RESTRAINT

- Cowl plugs prevent dirt and other FOD from entering the cowl
- Restrain propeller to prevent windmilling on the ground
- Durable materials for use in harsh environments



Manufactured by AeroTwin

PROP GUARD

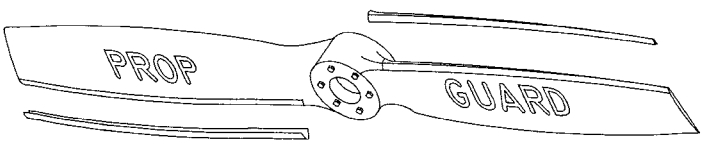
P/N FP1001 for two blades (65")
P/N CS1002 for three blades (92")
Anti-abrasion Boot for your metal propeller!

It is more economical to protect your propeller blades with PROP GUARD than to continually file, dress, paint and balance your blades until they have to be replaced. Water, sand, rock, and airborne abrasives are constantly eroding your propeller. As the name suggests, this product can eliminate this destructive process. Virtually all propeller blade failures start as leading edge nicks.



- 0.014" thick clear anti-abrasion boot that is bonded to the leading edge of the propeller
- Made from high-strength heat processed polymer engineered for centrifugal loads. It's NOT just a piece of tape!
- Easy to install (approximately 20 minutes installation time)
- No performance loss
- Repairable
- FAA-PMA/STC approved (minor alteration, no form 337 required)

Complete Kit contains:
PROP GUARD boot for a two or three bladed propeller, adhesion accelerator PN 32965-1, placard, lint-free cotton cloth, complete installation instructions and a copy of the STC.



Repair Kits

P/N PG-KT-R12 for 12 inches of material
P/N PG-KT-R24 for 24 inches of material

Two convenient repair kits are also now available to allow repair of existing PROP GUARD installations. Each repair kit includes a short length of PROP GUARD boot material, adhesion accelerator, lint-free cotton cloth, a spreader, and complete installation instructions.



PROP GUARD Installation Tool

Saves time and makes installation easier!
P/N TOOL125

Working out the air bubbles during installation is much easier with our rubber coated roller. The rubber conforms to the shape of the propeller, and the rolling action allows you to press harder to eliminate small air bubbles. It is recommended for customers who may be installing more than one PROP GUARD or those who just want to make the job faster and easier.

For complete preparation, application, removal, and repair instructions, visit our website.







Scan the QR code to read instructions here!

https://bit.ly/3x4znOA

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

- **All metal construction**
- **Pilot friendly knobs**
- **Lifetime lubrication**
- **Superior low friction conduit**
- **Custom controls available**

Metal Construction

Unlike the controls of our competitors that use plastic, McFarlane control fittings and components are made from stainless steel, plated steel, anodized aluminum, and brass. Our Vernier control locking devices are precision formed and heat treated in critical wear areas.

A Superior Conduit System

Our controls have low-friction smoothness and flexibility, even when routed with multiple tight bends. Our conduits are made from carbon steel wire, specially formed for increased strength and smooth inside diameter. Two of these wires are coiled in tandem for increased tensile strength. A Teflon jacket extruded over the coiled housing provides additional strength and wear-resistance. A virgin Teflon® liner in the center of the conduit reduces friction and ensures reliable operation.

Knobs Make a Difference

Our "pilot friendly" knobs are all compression molded from a reinforced alumimum or phenolic. Unlike the soft injection molded knobs of our competitors, our knobs are hard and thermally stable. They're powder coated, scratch-resistant, and do not deteriorate. McFarlane knobs meet the latest F.A.R. requirements for shape and color.

Special Lubrication

McFarlane controls have a special lifetime lubrication applied to critical sliding surfaces, made from a molybdenum disulfide and Teflon® based lubricant with a synthetic grease base. Our lubricant will reduce friction and prevent galling and contamination locking of the control components from -70° F to over 1000° F.

Vibration Dampening Features

Our metal swivel joints have a unique Viton® rubber vibration dampening sleeve with a spring load system that dampens engine induced vibration in the push rod guide tube and metal swivel joint. Molded Viton® boots are also used on the push rod guides to seal out contaminates. The Viton® rubber withstands the high temperature of the engine environment while resisting degradation from oil and solvents. This system drastically reduces the wear that leads to premature control failure.

Time Tested

With more than 25 years of experience building aircraft engine controls and with thousands of units in airplanes flying on every continent (even Antarctica), McFarlane controls are universally recognized for their high quality products and proven track record.

Consistent Quality

The assembly of McFarlane engine controls is interrupted many times for inspections of all critical elements to ensure only the highest quality controls are produced. Each inner wire swage, each push rod, each conduit fitting and terminal is inspected by our assembly team. As a further measure of quality, a second inspector also checks each critical detail to make sure only controls of the highest quality pass inspection. Attention is given to every detail at McFarlane Aviation. For instance, we verify the torque required to operate every Vernier control to ensure it operates properly and has that smooth feel our customers have come to expect.

Tough in any Environment

The McFarlane controls have an outstanding performance and reliability record in all environments; we test them in the harshest environments to ensure they will provide a long and reliable service life. Bush pilots prefer our controls because they work freely at 50° below zero and have proven solidarity in harsh salt-water. Temperatures approaching the melting point of the steel components cannot stop McFarlane controls from functioning.

Recommended Service Life

Considering the operating environment and criticalness of engine controls, our maximum recommended in-service time for McFarlane engine controls is equal to the maximum time between engine overhauls, as recommended by the engine manufacturer.

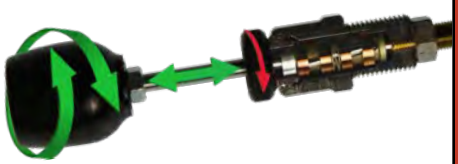
Custom Controls

We can manufacture custom engine controls for aircrafts not listed in the approved application charts. All McFarlane custom control cables are built to customer-provided specifications. Our custom controls duplicate the original customer-supplied controls (in length, thread size and pitch, wear sleeve locations, diameter, and travel length). McFarlane custom controls are manufactured to the same standards, materials, rigorous testing, and inspections as our FAA-PMA products – however, custom controls are not FAA-PMA approved. Contact our customs team at **customparts@mcfarlaneaviation.com** or call 866-920-2741 ext 289.

Vernier-Assist™

McFarlane's patented Vernier-Assist™ offers the pilot precision control of the engine, unlike anything else on the market! The Vernier-Assist assembly operates on friction alone by simply turning the knob, with no threads or locking balls/pins. It also allows for normal coarse movement by pushing in or out on the knob. – Unlike standard threaded vernier controls, this design cannot be jammed. The friction control provides smoothness and precision when operating the throttle and a friction lock secures the control in position, but it can be easily overridden in the case of an emergency. It is now FAA-PMA approved and **SAFE**!

US Patent No. 8,485,057 B1









Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Throttle, Mixture, and Propeller Controls

- All metal construction
- Pilot friendly knobs
- Lifetime lubrication
- Superior low friction conduit



Photo courtesy of Dean Zinter 1956 Cessna 172 TD

Carb Heat Controls

Longer life and up to 40% off OEM list price!

- High temperature Teflon lined conduit for reduced vibration wear, longer life and smooth, consistent control
  - Cheap controls with poly liners will not tolerate engine temperatures!
- Special heavier wire for more fatigue strength and reliability
- Improved friction mechanism
- High quality scratch resistant phenolic knob

Vernier-Assist™ Throttle Controls

Precision control

New roller action vernier provides smooth jam-proof coarse and fine adjustment.

- Jam-proof safety
- Precision power adjustments
- Smooth friction control
- Light and compact
- Standard vernier action, without the button!

NEW



The most often replaced Cessna part just got better and now costs less!

Fine adjustments are made by rotating the knob clockwise or counterclockwise. The McFarlane ***Vernier-Assist™*** throttle control uses a patented roller action and does not use a positive lock thread engagement. For extreme conduit routing or heavy carburetor load installations, slight inward or outward assist pressure could be required during rotation.

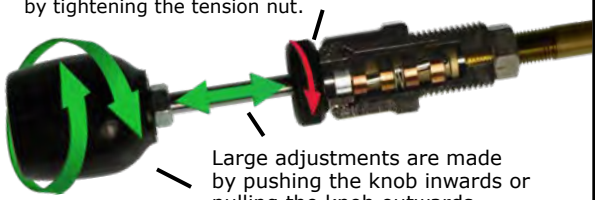
Part numbers for ***Vernier-Assist™*** are the same as shown in the eligiblity tables except the "MC" prefix changes to "MCVA".

Examples:
Push-Pull P/N MC9863056-2 or ***Vernier-Assist™*** P/N MCVA9863056-2
Push-Pull P/N MCS1222-1S or ***Vernier-Assist™*** P/N MCVAS1222-1S
Push-Pull P/N MCC299505-0101 or ***Vernier-Assist™*** P/N MCVAC299505-0101

New MCVA Throttle Series

Vernier and friction lock - The best of both!

Tension and vernier action is increased by tightening the tension nut.

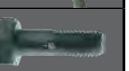


Large adjustments are made by pushing the knob inwards or pulling the knob outwards.

Patent No. 8,485,057 B1

Our rod ends and wire clamps sold separately!

To order Vernier-Assist™ Throttle Controls use "MCVA" prefix

To order an FAA-PMA *Vernier-Assist™* change "MC" prefix to "MCVA" prefix		 Throttle Control	 Propeller Control	 Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	 Carb Heat Control
Model	**Serial Number**	**Rod End** 	**Rod End** 	**Rod End or Wire Clamp** 			**Wire Clamp** 
120	8003 thru 15075	MC0411091-7 2		MC600-72 5			*Control N/A*
		MCS1104-3 3 *Rod End*		*Wire Clamp N/A*			MCS2323-1 *Wire Clamp*
140 1	8001 thru 11846	MC0411091-7 2		MC600-72 5			*Control N/A*
		MCS1104-3 3 *Rod End*		*Wire Clamp N/A*			MCS2323-1 *Wire Clamp*
140 1,140A	11847 thru 15724	MC0411091-7 2		MC600-72 5			MC0411090-4CH 6
		MCS1104-3 3 *Rod End*		*Wire Clamp N/A*			MCS2323-1 *Wire Clamp*
150 1	17001 thru 17683	MC0411091-7 2		MC600-72 5			*Control N/A*
		MCS1104-3 *Rod End*		MCS2323-6 *Wire Clamp*			MCS2323-1 *Wire Clamp*

1 Partial model eligibility
2 To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
3 If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
4 Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
5 P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
6 Eligible for use as a carburetor heat control only
7 The MC600-72 control is an approved alternate control for this aircraft. See note 5
8 The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
9 S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
10 See page 31 for details

Eligibility continued on next page

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
150[1]	17684 thru 59018	MC0411091-7[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MC0713302-5CH[6] MCS2323-1 *Wire Clamp*
150A,B,C, D,E,F	All	MCS1222-11S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MCS1230-2 MCS2323-1 *Wire Clamp*
150G	All	MCS1222-14S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MCS1230-2 MCS2323-1 *Wire Clamp*
150H,J,K,L	All	MCC299505-0202S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
150M	All	MCC299505-0202S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-12 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
A150K,L	All	MCC299505-0202S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
A150M	All	MCC299505-0202S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-12 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
F150F	All	MCS1222-11S[2] MCS1104-3 *Rod End*		*Control N/A* MCS2323-6 *Wire Clamp*			MCS1230-2 MCS2323-1 *Wire Clamp*
F150G	All	MCS1222-14S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MCS1230-2 MCS2323-1 *Wire Clamp*
F150H, F150J,K,L	All	MCC299505-0202S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
F150M	All	MCC299505-0202S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-12 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
FA150K,L[1]	FA1500001 thru FA1500120	MCC299505-0202S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-6 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
FA150L[1]	FA1500121 thru FA1500261	MCC299505-0202S[2] MCS1104-3 *Rod End*		*Control N/A* MCS2323-6 *Wire Clamp*			*Control N/A* MCS2323-1 *Wire Clamp*
FA150M	FA1500262 thru FA1500336	MCC299505-0202S[2] MCS1104-3 *Rod End*		*Control N/A* MCS2323-12 *Wire Clamp*			*Control N/A* MCS2323-1 *Wire Clamp*
FRA150L, FRA150M[1]	FRA1500121 thru FRA1500311	MCC299505-0202S[2] MCS1104-3 *Rod End*		*Control N/A* MCS2323-12 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
FRA150M[1]	FRA1500312 thru FRA1500336	*Control N/A* MCS1104-3 *Rod End*		*Control N/A* MCS2323-12 *Wire Clamp*			MCS1230-19 MCS2323-1 *Wire Clamp*
152[1]	15279406 thru 15282031	MC9863053-20[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
152[1]	15282032 thru 15285939	MC9863056-1[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
152[1]	15285940 thru 15286033	MC9863056-1[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			*Control N/A* MCS2323-5 *Wire Clamp*
A152[1]	A1520735 thru A1520808	MC9863053-20[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Push-Pull Controls and Accessories

Engine, Cowl Flap, and Carb Heat Controls: Cessna

To order an FAA-PMA *Vernier-Assist*™ throttle, change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
A152[1]	A1520809 thru A1521049	MC9863056-1[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
F152[1]	F15201429 thru F15201528	MC9863053-20[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
F152[1]	F15201529 thru F15201952	MC9863056-1[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
F152[1]	F15201953 thru F15201980	MC9863056-1[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			*Control N/A* MCS2323-5 *Wire Clamp*
FA152[1]	FA1520337 thru FA1520347	MC9863053-20[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
FA152[1]	FA1520348 thru FA1520387	MC9863056-1[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
FA152[1]	FA1520388 thru FA1520425	MC9863056-1[2] MCS1104-3 *Rod End*		MC600-72 [5] MCS2323-13 *Wire Clamp*			*Control N/A* MCS2323-5 *Wire Clamp*
170	All	MC0411091-2[2] *Rod End N/A*		MC600-72[5] MCS2323-2 *Wire Clamp*			MC0411090-4CH[6] MCS2323-1 *Wire Clamp*
170A	All	MC0411091-2[2] MCS1104-3[3] *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MC0411090-4CH[6] MCS2323-1 *Wire Clamp*
170B[1]	20267 thru 25372	MC0411091-2[2] MCS1104-3[3] *Rod End*		MC600-72[5] *Wire Clamp N/A*			MC0411090-4CH[6] MCS2323-1 *Wire Clamp*
170B[1]	25373 thru 27169	MCS1222-2S[8][2] MCS1104-3[3] *Rod End*		MC600-72[5] *Wire Clamp N/A*			MC0411090-22CH[6] MCS2323-1 *Wire Clamp*
172[1]	28000 thru 36965	MCS1222-2S[2] MCS1104-3[3] *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MC0411090-22CH[6] MCS2323-1 *Wire Clamp*
172[1]	36966 thru 46754	MCS1222-2S[2] MCS1104-3[3] *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MC0713302-5CH[6] MCS2323-1 *Wire Clamp*
172A	All	MCS1222-2S[2] MCS1104-3[3] *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MC0713302-5CH[6] MCS2323-1 *Wire Clamp*
172B,C	All	MCS1222-2S[2] MCS1104-3[3] *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1224-4 MCS2323-5 *Wire Clamp*
172D	All	MCS1222-2S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1224-4 ***New!*** MCS2323-5 *Wire Clamp*
172E,F	All	MCS1222-15S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1224-4 MCS2323-5 *Wire Clamp*
172G,H	All	MCS1222-15S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1230-7 MCS2323-5 *Wire Clamp*
172I,K, L,M[1]	17256513 thru 17263458	MCC299505-0102[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Push-Pull Controls and Accessories

Engine, Cowl Flap, and Carb Heat Controls: Cessna

McFarlane
FAA-PMA Approved

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
172M[1]	17263459 thru 17267584	MCC299505-0102[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
172N[1]	17267585 thru 17271034	MC9863053-15[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
172N[1]	17271035 thru 17274009	MC9863056-3[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
172P	17274010 thru 17276654	MC9863056-3[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
172Q	All	MC9863056-3[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1241-49 MCS2323-5 *Wire Clamp*
172R,S	All	MC565-549-021[2] MCS1104-3 *Rod End*		MC565-548-041 MCS1104-3 *Rod End*			
172RG	All	MC9863056-8[2] MCS1104-3 *Rod End*	MC345-085-9 MCS1104-3 *Rod End*	MC600-72[5] MCS2323-11 *Wire Clamp*			*Control N/A* MCS2323-7 *Wire Clamp*
F172D	All	MCS1222-2S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1224-4 ***New!*** MCS2323-5 *Wire Clamp*
F172E,F	All	MCS1222-15S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1224-4 MCS2323-5 *Wire Clamp*
F172G,H[1]	F172-0180 thru F172-0559	MCS1222-15S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1230-7 MCS2323-5 *Wire Clamp*
F172H[1],K	F172-0560 thru F17200804	MCC299505-0203S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
F172L,M[1]	F17200805 thru F17201034	MCC299505-0203S[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1230-17 *Wire Clamp N/A*
F172M[1]	F17201035 thru F17201234	MCC299505-0102[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-2 *Wire Clamp*			
F172M[1]	F17201235 thru F17201514	MCC299505-0102[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
F172N[1]	F17201515 thru F17201749	MC9863053-15[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
F172N[1]	F17201750 thru F17202039	MC9863056-3[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
F172P	F17202040 thru F17202254	MC9863056-3[2] MCS1104-3 *Rod End*		MC600-72[5] MCS2323-13 *Wire Clamp*			MCS1230-17 MCS2323-5 *Wire Clamp*
FP172	All	MCS1222-4[2] MCS1106-4 *Rod End*	MCC299506-0105 MCS1104-3 *Rod End*	*Control N/A* MCS2323-4 *Wire Clamp*			*Control N/A* MCS2323-5 *Wire Clamp*
FR172E	All	*Control N/A* MCS1104-3 *Rod End*	MCS1223-17 MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*			

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Push-Pull Controls and Accessories

Engine, Cowl Flap, and Carb Heat Controls: Cessna

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
FR172F, G,H,J[1]	FR17200061 thru FR17200530	MCC299505-0204S[2] MCS1104-3 *Rod End*	MCC299506B0104 MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*			
FR172J[1]	FR17200531 thru FR17200590	MCC299505-0204S[2] MCS1104-3 *Rod End*	MCC299506B0104 MCS1104-3 *Rod End*	MC9862066-6 MCS1104-3 *Rod End*			
FR172K[4]	FR17200591 thru FR17200630	MC9863053-10[2] MCS1104-3 *Rod End*	MCC299506B0104 MCS1104-3 *Rod End*	MC9862066-6 MCS1104-3 *Rod End*	MCS1391-26 (one per aircraft)		
FR172K[1]	FR17200631 thru FR17200675	MC9863055-10[2] MCS1104-3 *Rod End*	MCC299506B0104 MCS1104-3 *Rod End*	MC9862066-6 MCS1104-3 *Rod End*	MCS1391-26 (one per aircraft)		
P172D	All	MCS1222-4[2] MCS1106-4 *Rod End*	MCC299506-0105 MCS1104-3 *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1224-4 MCS2323-5 *Wire Clamp*
R172K[1][9]	R1722000 thru R1722929	MC9863053-10[2] MCS1104-3 *Rod End*	MCC299506B0104 MCS1104-3 *Rod End*	MC9862066-6 MCS1104-3 *Rod End*	MCS1391-26 (one per aircraft)		
R172K[1]	R1722930 thru R1723454	MC9863055-10[2] MCS1104-3 *Rod End*	MCC299506B0104 MCS1104-3 *Rod End*	MC9862066-6 MCS1104-3 *Rod End*	MCS1391-26 (one per aircraft)		
175[1]	55001 thru 55703	MC0411091-27[2] MCS1106-4 *Rod End*	*Control N/A* MCS1104-3[3] *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*			MC0411090-22CH[6] MCS2323-5 *Wire Clamp*
175[1]	55704 thru 56238	MC0411091-30[2] MCS1106-4 *Rod End*	*Control N/A* MCS1104-3[3] *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*			MC0713302-5CH[6] MCS2323-5 *Wire Clamp*
175A	All	MCS1222-4[2] MCS1106-4 *Rod End*	*Control N/A* MCS1104-3[3] *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*			MC0713302-5CH[6] MCS2323-5 *Wire Clamp*
175B,C	All	MCS1222-4[2] MCS1106-4 *Rod End*	*Control N/A* MCS1104-3[3] *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1224-4 MCS2323-5 *Wire Clamp*
177	All	MCS1222-19[2] MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*	MC600-72[5] MCS2323-2 *Wire Clamp*			MCS1788-2 *Wire Clamp N/A*
177A	All	MCC299505-0301[2] MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*			MCS1230-19 MCS2323-5 *Wire Clamp*
177B[1]	17701371 thru 17702539	MCC299505-0301[2] MCS1104-3 *Rod End*	MCC299506-0105 MCS1104-3 *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*	MCS1391-25	MCS1391-26	MCS1230-19 MCS2323-5 *Wire Clamp*
177B[1]	17702540 thru 17702752	MC565-549-013[2] MCS1104-3 *Rod End*	MC345-085-4 MCS1104-3 *Rod End*	MC600-72[5] *Wire Clamp N/A*	MCS1391-25	MCS1391-26	MCS1230-19 MCS2323-5 *Wire Clamp*
177RG[1]	177RG0001 thru 177RG1051	MCC299505-0401[2] MCS1104-3 *Rod End*	MCC299506-0105 MCS1104-3 *Rod End*	MCC299507-0102 MCS1104-3 *Rod End*	MCS1391-27	MCS1391-27	
177RG[1]	177RG1052 thru 177RG1366	*Control N/A* MCS1104-3 *Rod End*	MC345-085-4 MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*	MCS1391-27	MCS1391-27	
F177RG[1]	F177RG0001 thru F177RG0160	MCC299505-0401[2] MCS1104-3 *Rod End*	MCC299506-0105 MCS1104-3 *Rod End*	MCC299507-0102 MCS1104-3 *Rod End*			
F177RG[1]	F177RG0161 thru F177RG0177		MC345-085-4 *Rod End N/A*				
180[1]	30000 thru 32150	MCS1222-1S[2] MCS1106-4 *Rod End*	MCS1223-4 MCS1104-3[3] *Rod End*	MC600-72[5] MCS2323-4 *Wire Clamp*	MC0713041-1 or MC0713041-1B[10] (Dual control, one per aircraft)		MC0411090-22CH[6] MCS2323-5 *Wire Clamp*

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
180[1]	32151 thru 32160	MCS1222-1S[2]	MCS1223-4	MC600-72[5]	MC0713041-1 or MC0713041-1B[10] (Dual control, one per aircraft)		*Control N/A*
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180[1], 180A	32161 thru 50355	MCS1222-1S[2]	MCS1223-4	MC600-72[5]	MC0713041-1 or MC0713041-1B[10] (Dual control, one per aircraft)		MC0713050-2
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180B	50356 thru 50661	MCS1222-1S[2]	MCS1223-4	MC0713050-2[7][5]	MC0713041-1 or MC0713041-1B[10] (Dual control, one per aircraft)		MC0713050-2
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180C	All	MCS1222-1S[2]	MCS1223-4	MC0713050-2[7][5]	MC0713306-1 (Dual control, one per aircraft)		MC0713302-5CH[6]
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180D,E	All	MCS1222-1S[2]	MCS1223-4	MC600-72[5]	MCS1245-1	MCS1245-2	MC0713302-5CH[6]
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180F	All	MCS1222-1S[2]	MCS1223-4	MC600-72[5]	MCS1245-1	MCS1245-2	MCS1230-2
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180G	All	MCS1222-1S[2]	MCS1223-4	MC600-72[5]	MCS1245-3	MCS1245-2	MCS1230-2
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180H[1]	18051446 thru 18051875	MCS1222-13S[2]	MCS1223-5	MC600-72[5]	MCS1572-1	MCS1245-2	MCS1230-2
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180H[1], J	18051876 thru 18052770	MCC299505-0201S[2]	MCC299506-0103	MC600-72[5]	MCS1572-1	MCS1245-2	MCS1230-19
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180K[1]	18052771 thru 18053000	MC9863053-5[2]	MC345-085-3	*Control N/A*	MC9860074-3	MC9860074-4	MCS1230-19
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
180K[1]	18053001 thru 18053203	MC9863055-9[2]	MC345-085-3	*Control N/A*	MC9860074-3	MC9860074-4	MCS1230-19
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182	All	MCS1222-1S[2]	MCS1223-4	MC600-72[5]			*Control N/A*
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182A	All	MCS1222-1S[2]	MCS1223-4	MC600-72[5]			MC0411090-22CH[6]
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182B,C	All	MCS1222-1S[2]	MCS1223-4	MC0713050-2[5][7]	MC0713306-1 (Dual control, one per aircraft)		MC0713302-5CH[6]
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182D	All	MCS1222-1S[2]	MCS1223-4	MC600-72[5]	MCS1245-1	MCS1245-2	MC0713302-5CH[6]
		MCS1106-4 *Rod End*	MCS1104-3[3] *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182E,F,G	All	MCS1222-6S[2]	MCS1223-3	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-3
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182H,J,K	All	MCS1222-13S[2]	MCS1223-6	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-3
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182L,M, 182N[1]	18258506 thru 18260445	MCC299505-0201S[2]	MCC299506-0102	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182N[1], 182P[1]	18260446 thru 18261425	MCC299505-0201S[2]	MCC299506-0102	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Push-Pull Controls and Accessories

Engine, Cowl Flap, and Carb Heat Controls: Cessna

To order an FAA-PMA *Vernier-Assist™* change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
182P[1]	18261426 thru 18264835	MCC299505-0205[2]	MCC299506-0102	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182P[1]	18264836 thru 18265175	MC9863053-5[2]	MCC299506-0102	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182Q[1]	18265176 thru 18266590	MC9863053-5[2]	MC9862067-3	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182Q[1]	18266591 thru 18267715	MC9863055-9[2]	MC9862067-3	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182R	All	MC9863055-9[2]	MC9862067-3	MC600-72[5]	MC9860058-3	MC9860058-4	MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
182S, 182T, T182T	All	MC565-549-031[2]	MC565-580-038	MC565-548-042	MC580-703-024	MC580-703-025	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
A182J, A182K,L,N		*Control N/A*	*Control N/A*	*Control N/A*			*Control N/A*
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
F182P	All	MC9863053-5[2]	MCC299506-0102	MC600-72[5]			MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
F182Q[1]	F18200026 thru F18200094	MC9863053-5[2]	MC9862067-3	MC600-72[5]			MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
F182Q[1]	F18200095 thru F18200169	MC9863055-9[2]	MC9862067-3	MC600-72[5]			MCS1230-10
		MCS1106-4 *Rod End*	MCS1104-3 *Rod End*	MCS2323-4 *Wire Clamp*			MCS2323-5 *Wire Clamp*
FR182[1]	FR18200001 thru FR18200020	MC9863053-11[2]	MC345-085-5	*Control N/A*			MCS1230-10
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-1 *Wire Clamp*
FR182[1]	FR18200021 thru FR18200045	MC9863056-6[2]	MC345-085-5	*Control N/A*			MCS1230-10
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-1 *Wire Clamp*
FR182[1]	FR18200046 thru FR18200070	MC9863056-6[2]	MC345-085-8	*Control N/A*			MCS1230-10
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-1 *Wire Clamp*
R182[1]	R18200001 thru R18200583	MC9863053-11[2]	MC345-085-5	*Control N/A*	MC9860075-3	MC9860075-4	MCS1230-10
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-1 *Wire Clamp*
R182[1]	R18200584 thru R18201313	MC9863056-6[2]	MC345-085-5	*Control N/A*	MC9860075-3	MC9860075-4	MCS1230-10
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-1 *Wire Clamp*
R182[1]	R18201314 thru R18202041	MC9863056-6[2]	MC345-085-8	*Control N/A*	MC9860075-3	MC9860075-4	MCS1230-10
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-1 *Wire Clamp*
T182	All	MC9863056-7[2]	MC345-085-8	*Control N/A*	MC9860075-3	MC9860075-4	*Control N/A*
		Rod End N/A	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-3 *Wire Clamp*
TR182[1]	R18200584 thru R18201313	MC9863056-7[2]	MC345-085-6	*Control N/A*	MC9860075-3	MC9860075-4	*Control N/A*
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-3 *Wire Clamp*
TR182[1]	R18201314 thru R18202041	MC9863056-7[2]	MC345-085-8	*Control N/A*	MC9860075-3	MC9860075-4	*Control N/A*
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS2323-11 *Wire Clamp*			MCS2323-3 *Wire Clamp*

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
185	All	MC1213228-3 [2] MCS1104-3 *Rod End*	MCS1223-5 MCS1104-3 *Rod End*	MC1213229-2 MCS1104-3 *Rod End*	MCS1245-3	MCS1245-2	MCS1230-2 *Wire Clamp N/A*
185A,B,C,D,E	All	MCS1294-1 [2] MCS1104-3 *Rod End*	MCS1223-5 MCS1104-3 *Rod End*	MCS1220-4 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	MCS1230-2 *Wire Clamp N/A*
A185E [1]	185-0968 thru 185-1300	MCS1294-1 [2] MCS1104-3 *Rod End*	MCS1223-5 MCS1104-3 *Rod End*	MCS1220-4 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	MCS1230-2 *Wire Clamp N/A*
A185E [1]	185-1301 thru 18502007	MCC299505-0301 [2] MCS1104-3 *Rod End*	MCC299506-0103 MCS1104-3 *Rod End*	MCC299507-0201 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	
A185E [1]	18502008 thru 18502025	MCC299505-0501 [2] MCS1104-3 *Rod End*	MCC299506-0201 MCS1104-3 *Rod End*	MCC299507-0401 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	
A185E [1]	18502026 thru 18502027	MCC299505-0301 [2] MCS1104-3 *Rod End*	MCC299506-0103 MCS1104-3 *Rod End*	MCC299507-0201 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	
A185E [1]	18502028 thru 18502090	MCC299505-0501 [2] MCS1104-3 *Rod End*	MCC299506-0201 MCS1104-3 *Rod End*	MCC299507-0401 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	
A185F [1]	18502091 thru 18502310	MCC299505-0501 [2] MCS1104-3 *Rod End*	MCC299506-0201 MCS1104-3 *Rod End*	MCC299507-0401 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	
A185F [1]	18502311 thru 18503153	MCC299505-0501 [2] MCS1104-3 *Rod End*	MCC299506-0201 MCS1104-3 *Rod End*	MCC299507-0401 MCS1104-3 *Rod End*	MCS1572-1	MCS1245-2	
A185F [1]	18503154 thru 18503683	MC9863053-17 [2] MCS1104-3 *Rod End*	MC345-085-7 MCS1104-3 *Rod End*	MC9862066-3 MCS1104-3 *Rod End*	MC9860074-3	MC9860074-4	
A185F [1]	18503684 thru 18504448	MC9863056-5 [2] MCS1106-3 *Rod End*	MC345-085-7 MCS1104-3 *Rod End*	MC9862066-3 MCS1104-3 *Rod End*	MC9860074-3	MC9860074-4	
188,188A	All	MCS1391-18 [2] MCS1104-3 *Rod End*	MCS1391-19 MCS1104-3 *Rod End*	MCS1220-13 MCS1104-3 *Rod End*			*Control N/A* MCS2323-5 *Wire Clamp*
188B, A-188B [4] A-A188B [4]	All	MCS2149-1 [2] MCS1106-3 *Rod End*	MCS2149-2 MCS1106-3 *Rod End*	MCC299507-0301 MCS1106-3 *Rod End*			*Control N/A* MCS2323-5 *Wire Clamp*
A188 [4] A188A [4]	All	MCS1391-20 [2] MCS1104-3 *Rod End*	MCS1391-19 MCS1104-3 *Rod End*	MCS1220-13 MCS1104-3 *Rod End*			*Control N/A* MCS2323-5 *Wire Clamp*
A188B [1] [4]	18802349 thru 18802745, 18802349T thru 18802745T	MCS2149-1 [2] MCS1106-3 *Rod End*	MCS2149-2 MCS1106-3 *Rod End*	MCC299507-0301 MCS1106-3 *Rod End*			*Control N/A* MCS2323-5 *Wire Clamp*
A188B [1] [4]	18802746 thru 18803973, 18802746T thru 18803973T	MCC299508-0301 [2] MCS1106-3 *Rod End*	MCC299508-0302 MCS1106-3 *Rod End*	MCC299508-0401 MCS1106-3 *Rod End*			*Control N/A* MCS2323-5 *Wire Clamp*
T188C	All	MCC299508-0303 [2] MCS1106-3 *Rod End*	MCC299508-0304 MCS1106-3 *Rod End*	MCC299508-0402 MCS1106-3 *Rod End*			

[1] Partial model eligibility
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[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Push-Pull Controls and Accessories

Engine, Cowl Flap, and Carb Heat Controls: Cessna

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
190	All	MC0411091-4 [2]	MC0311031-1	*Control N/A*			
		MCS1106-3 [2] *Rod End*	MCS1104-3 [3] *Rod End*	MCS1104-3 [3] *Rod End*			
195, 195A,B	All	MC0411091-4 [2]	MC0311031-2	*Control N/A*			
		MCS1106-3 [2] *Rod End*	MCS1104-3 [3] *Rod End*	MCS1104-3 [3] *Rod End*			
210-5 (205), 210-5A (205A)	All	MCS1219-1 [2]	MCS1223-17	MCS1220-3	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
206	All	MCS1219-1 [2]	MCS1223-17	MCS1220-3	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
206H	All	MC565-549-041 [2]	MC565-580-012	MC565-548-043	MC580-703-026	MC580-703-027	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
P206, P206A,B	All	MCS1222-10A [2]	MCS1223-4	MCS1220-3	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
P206C,D,E	All	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
T206H	All	MC565-549-041 [2]	MC565-580-012	MC565-548-043	MC580-703-026	MC580-703-027	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TP206A [1]	P2060161 thru P2060274	MCS1222-10A [2]	MCS1223-4	MCS1220-3	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TP206A [1], TP206B	P2060275 thru P2060419	MCS1222-10A [2]	MCS1223-4	MCS1220-3	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TP206C, TP206D,E	All	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TU206A [1]	U2060438 thru U2060617	MCS1222-10A [2]	MCS1223-4	MCS1220-3	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TU206A [1], TU206B	U2060618 thru U206-0914	MCS1222-10A [2]	MCS1223-4	MCS1220-3	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TU206C, TU206D, TU206E, TU206F	All	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TU206G [1]	U20603522 thru U20604649	MC9863053-13 [2]	MC9862067-1	MC9862066-1	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
TU206G [1]	U20604650 thru U20607020	MC9863056-2 [2]	MC9862067-1	MC9862066-1	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
U206, U206A,B	All	MCS1222-10A [2]	MCS1223-4	MCS1220-3	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
U206C,D,E	All	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
U206F [1]	U20601701 thru U20602199	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			

[1] Partial model eligibility
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[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
U206F[1]	U20602200 thru U20603521	MCC299505-0101 [2] MCS1104-3 *Rod End*	MCC299506-0101 MCS1104-3 *Rod End*	MCC299507-0101 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
U206G[1]	U20603522 thru U20604649	MC9863053-13 [2] MCS1104-3 *Rod End*	MC9862067-1 MCS1104-3 *Rod End*	MC9862066-1 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
U206G[1]	U20604650 thru U20607020	MC9863056-2 [2] MCS1104-3 *Rod End*	MC9862067-1 MCS1104-3 *Rod End*	MC9862066-1 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
207,T207	All	MCS1222-25A [2] MCS1104-3 *Rod End*	MCS1223-16 MCS1104-3 *Rod End*	MCS1220-12A MCS1104-3 *Rod End*	MCS1244-29	MCS1244-30	
207A[1] T207A[1]	20700363 thru 20700482	MC9863053-16 [2] MCS1104-3 *Rod End*	MC9862067-12 MCS1104-3 *Rod End*	MC9862066-5 MCS1104-3 *Rod End*	MCS1244-29	MCS1244-30	
207A[1] T207A[1]	20700483 thru 20700788	MC9863056-4 [2] MCS1104-3 *Rod End*	MC9862067-12 MCS1104-3 *Rod End*	MC9862066-5 MCS1104-3 *Rod End*	MCS1244-29	MCS1244-30	
210,210A	All	MC1213228-2 [2] MCS1104-3 *Rod End*	MCS1223-17 MCS1104-3 *Rod End*	MC1213229-1 MCS1104-3 *Rod End*	MC1213040-1	MC1213040-2	
210B,C,D	All	MCS1219-1 [2] MCS1104-3 *Rod End*	MCS1223-17 MCS1104-3 *Rod End*	MCS1220-3 MCS1104-3 *Rod End*	MCS1244-5	MCS1244-31	
210E,F,G	All	MCS1222-10A [2] MCS1104-3 *Rod End*	MCS1223-4 MCS1104-3 *Rod End*	MCS1220-3 MCS1104-3 *Rod End*	MCS1244-5	MCS1244-31	
210H,J	All	MCC299505-0101 [2] MCS1104-3 *Rod End*	MCC299506-0101 MCS1104-3 *Rod End*	MCC299507-0101 MCS1104-3 *Rod End*	MCS1244-5	MCS1244-31	
210K[1]	21059200 thru 21059240	MCC299505-0101 [2] MCS1104-3 *Rod End*	MCC299506-0101 MCS1104-3 *Rod End*	MCC299507-0101 MCS1104-3 *Rod End*	MCS1244-5	MCS1244-31	
210K[1],L	21059241 thru 21061573	MCC299505-0101 [2] MCS1104-3 *Rod End*	MCC299506-0101 MCS1104-3 *Rod End*	MCC299507-0101 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
210M	All	MC9863053-13 [2] MCS1104-3 *Rod End*	MC9862067-1 MCS1104-3 *Rod End*	MC9862066-1 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
210N	All	MC9863056-2 [2] MCS1104-3 *Rod End*	MC9862067-1 MCS1104-3 *Rod End*	MC9862066-1 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
210R	All	MCC299513-0101 [2] MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*			
P210N[1]	P21000001 thru P21000150	MC9863053-13 [2] MCS1104-3 *Rod End*	MC9862067-1 MCS1104-3 *Rod End*	MC9862066-1 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
P210N[1]	P21000151 thru P21000834	MC9863056-2 [2] MCS1104-3 *Rod End*	MC9862067-1 MCS1104-3 *Rod End*	MC9862066-1 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	
P210R	All	MCC299513-0101 [2] MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*	*Control N/A* MCS1104-3 *Rod End*	*Control N/A* MCS1106-3 *Rod End*	*Control N/A* MCS1106-3 *Rod End*	
T210F	All	MCS1222-10A [2] MCS1104-3 *Rod End*	MCS1223-4 MCS1104-3 *Rod End*	MCS1220-3 MCS1104-3 *Rod End*	MCS1244-5	MCS1244-31	
T210G	All	MCS1222-10A [2] MCS1104-3 *Rod End*	MCS1223-4 MCS1104-3 *Rod End*	MCS1220-3 MCS1104-3 *Rod End*	MCS1244-32	MCS1244-31	

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

Eligibility continued on next page

Push-Pull Controls and Accessories

Engine, Cowl Flap, and Carb Heat Controls: Cessna

To order an FAA-PMA *Vernier-Assist*™ change "MC" prefix to "MCVA" prefix		Throttle Control	Propeller Control	Mixture Control	Cowl Flap Left Hand	Cowl Flap Right Hand	Carb Heat Control
Model	**Serial Number**	**Rod End**	**Rod End**	**Rod End or Wire Clamp**			**Wire Clamp**
T210H,J	All	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
T210K[1]	21059200 thru 21059240	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-5	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
T210K[1],L	21059241 thru 21061573	MCC299505-0101 [2]	MCC299506-0101	MCC299507-0101	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
T210M	All	MC9863053-13 [2]	MC9862067-1	MC9862066-1	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
T210N	All	MC9863056-2 [2]	MC9862067-1	MC9862066-1	MCS1244-32	MCS1244-31	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*			
T210R	All	MCC299513-0101 [2]	*Control N/A*	*Control N/A*	*Control N/A*	*Control N/A*	
		MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1104-3 *Rod End*	MCS1106-4 *Rod End*	MCS1106-4 *Rod End*	

[1] Partial model eligibility
[2] To order Vernier-Assist™ throttle controls change "MC" prefix to "MCVA" prefix
[3] If replacing P/N S1186-1 or P/N 0550158 also order RE-KT-1 hardware kit
[4] Controls not eligible for A188, A188A, or A188B with Continental O-470 engine
[5] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[6] Eligible for use as a carburetor heat control only
[7] The MC600-72 control is an approved alternate control for this aircraft. See note [5]
[8] The original Cessna adapter P/N 0513004-16 must be used to angle the control and avoid interference behind the instrument panel.
[9] S/Ns FR17200591 thru FR17200620 and R1722000 thru R1722880 prop control is only eligible for installation if aircraft has been modified as per Cessna Service Letter 78-51
[10] See page 31 for details

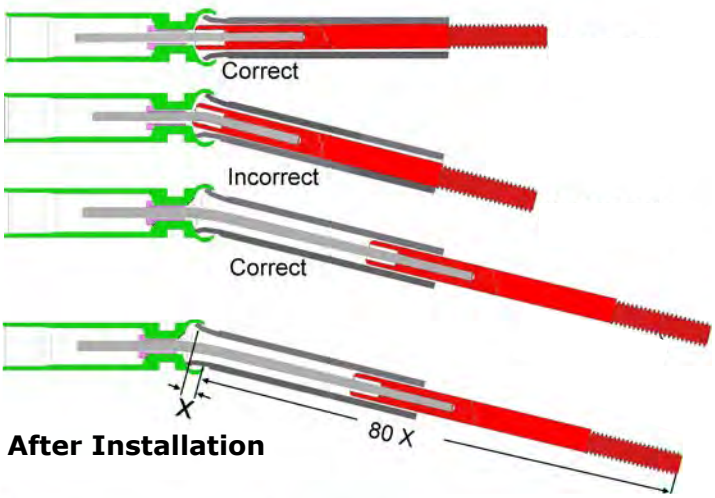


Maintenance Tip:

McFarlane does not recommend any lubrication of our controls, especially the throttle control. A special laminated leather packing is used on our throttle controls to allow smooth friction adjustments as the friction nut is rotated. When lubrication is applied to the control (even at the engine end), the oil can work up the inner core cable and conduit to the leather packing area causing loss of locking friction. The McFarlane controls are built with a self-lubricating Teflon® liner and a stainless steel inner core. A lifetime anti-seize paste lubricant is applied in specific areas to prevent galling and control lockup if the control becomes contaminated in service. The oil can compromise the anti-seize compound installed at the factory. McFarlane and Cessna both recommend new controls at time intervals equal to engine overhaul. Engine controls absorb tremendous vibration over an engine service cycle and the resultant wear and damage cannot be seen from the control exterior. The rubber boots must be kept in good condition as they keep contamination out and are critical to prevent vibration wear. Never re-install a control that has excess friction as this friction is the best indicator of overload internal damage and pending failure.

Engine Control Rigging

- Pushrod must be extended when angled
- Inner flex cable is stressed when pushrod is retracted and angled



Engine Controls Can Be Damaged

- The pushrod has extreme leverage on the swivel joint
- Do not sideload the pushrod during installation

Always Replace Vibration Boots and Spring After Installation

- Stops vibration erosion and wear
- Seals out dirt



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna Flap Indicator Cables

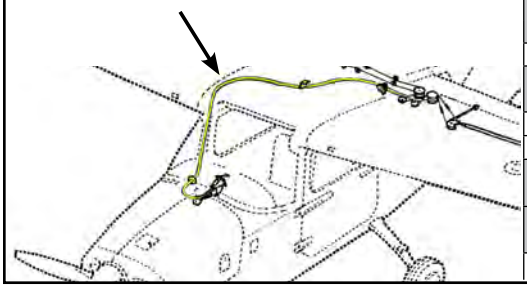
- Ours actually work!
- Reduced friction, longer life
- Restore reliability
- Save $$$



P/N MCS1244-9



P/N MC9864054-2



Aircraft	Serial Number	Part Number	Description
150F,G, F150F,G	15061533 thru 15067198	MC0413416-2	Tube
		MC0413416-6	Cable
150H,J,K,L,M[1]	15067199 thru 15078505	MC0413416-11 MC0413416-6	Tube Cable
A150K,L,M[1]	A1500001 thru A1500684		
F150H,J,K,L,M[1]	F150-0220 thru F15001338		
FA150K,L,M[1]	FA1500001 thru F1500311		
150M[1]	15078506 thru 15079405	MC9864054-2 MC0413416-6	Cable Cable
A150M[1]	A1500685 thru A1500734		
F150M[1]	F15001339 thru F15001428		
FA150M[1]	FA1500312 thru FA1500336		
152, A152, F152, FA152	All	MC9864054-2	Cable
172N,P,Q,R,S, 172RG, F172N,P, FR172K, R172K	All	MC9864054-1	Cable
177B[1] 177RG[1] F177RG[1]	17701634 thru 17702592 177RG0213 thru 177RG1088 F177RG0043 thru F177RG0172	MC9864050-200	Control
	17702593 thru 17702752 177RG1089 thru 177RG1266 F177RG0173 thru F177RG0177	MC9864050-10	
FR182, R182[1], TR182[1]	FR18200001 thru FR18200070 R18200001 thru R18201384	MC9864050-12	Control
	R18201385 thru R18202041	MCS2083-2	Control
206H, T206H	All	MC9864050-3	Control
207[1], T207[1]	20700001 thru 20700314	MC9860058-2	Control
	20700315 thru 20700362	MC9864050-2	
210H,J,K,L,M,N[1]	21058937 thru 21063174	MCS1244-9	Control
T210H,J,K,L,M,N[1]	T210-0308 thru 21063174		
210N, 210R[1], T210N, T210R[1]	21063169, 21063175 thru 21064975	MC9864050-16	Control
P210N[1] P210R[1]	P21000197, P21000213 thru P21000874		

[1] Partial model eligibility.

Dual Cowl Flap Controls for Cessna Aircraft

Models 180, 180A and 180B

- Solid wire ends
- Choose a chrome or black knob to match your panel!



Chrome P/N MC0713041-1



Black P/N MC0713041-1B

Models 180C, 182B and 182C
P/N MC0713306-1

- Higher locking force than the original prevents cowl flap slippage
- Superior low friction Teflon lined conduit to reduce wear
- Heavier inner wire and conduit mean less deflection under load
- Powder coated aluminum knob for a durable finish
- Push rod ends



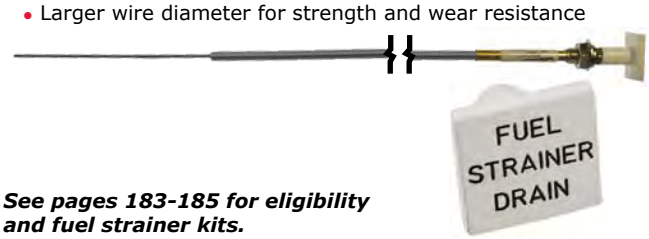
P/N MC0713306-1

Fuel Strainer Drain Cables

MCS1517 Series

No more plastic knobs in the engine compartment

- Improved aluminum knob with easier to read lettering
- Stainless steel conduit for improved corrosion resistance
- Larger wire diameter for strength and wear resistance



See pages 183-185 for eligibility and fuel strainer kits.

Starter Control Cable

P/N 0513142-14

- Manufactured by Cessna
- Panel Mounted
- Fits some earlier model Cessna aircrafts



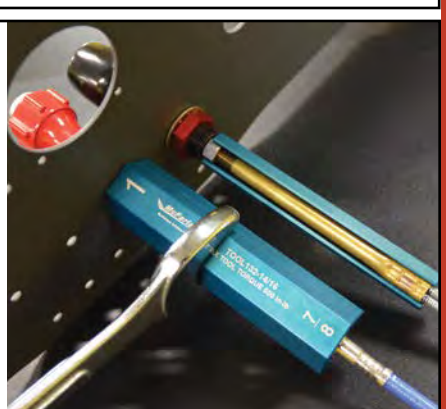
Push-Pull Control Wrench Set

P/N TOOL132 installs and removes push-pull control nuts behind the panel

- Works with all controls — six nut sizes!
- 5 1/2" length reaches deep, hard to access nuts
- Slot allows access to nut on installed control
- Wrench anywhere on the external hex
- Lightweight aluminum is easy to handle when using overhead
- Many other uses (brake/fuel/vent/hydraulic lines, etc)
- Includes case

Part Number	Description
TOOL132	Contains one of each wrench
TOOL132-8/9	1/2" and 9/16"
TOOL132-11/12	11/16" and 3/4"
TOOL132-14/16	7/8" and 1" wrench





Cabin Environment and Fuel Shut Off Controls for Cessna Aircraft

- Special, heavier wire for more fatigue strength and reliability
- Improved push-to-unlock mechanism - more holding strength
- High temperature Teflon lined conduit
- Reduced vibration wear and longer life!
- Most knobs match originally equipped knobs



Aircraft	Serial Number	Part Number	Aux Cabin Air	Cabin Air	Cabin Air LH	Cabin Air RH	Cabin Heat	Cabin Vent.	Cold Air	Defrost	Fuel Shut Off	Fuel Valve	Fwd Air
180F,G,H[1]	18051184 thru 18051875	MCS1241-1					●						
182E,F,G,H,J,K	All	MCS1241-1		●			●						
182L,M,N[1]	18258506 thru 18260445	MCS1241-27		●			●						
182N[1],P,Q,R,S,T	18260446 and On	MCS1241-34					●						
F182P,Q, FR182	All	MCS1241-34					●						
R182, T182, T182T ,TR182	All	MCS1241-34					●						
185, 185A[1]	185-0001 thru 185-0413	MCS1241-1					●						
185A[1],B	185-0414 thru 185-0653	MCS1241-1					●					●	
185C	All	MCS1241-1					●						
185D,E	All	MCS1241-1					●				●		
A185E	185-0968 thru 185-1300	MCS1241-1					●				●		
	185-1301 thru 185-1599	MCS1241-27									●		
	18501600 thru 18501679	MCS1241-34									●		
188B	18800986 thru 18801824	MCS1241-34						●					
	18801825 thru 18802348	MCS1241-34	●										
A188B, A188B (w/large hopper)	18800986 thru 18801824T	MCS1241-34						●					
	18801825 thru 18802348T	MCS1241-34	●										
	18802349 thru 18802745T	MCS1241-34	●						●				
	18802746 thru 18803973T	MCS1241-34							●				
T188C	All	MCS1241-34							●				
210-5(205)	205-0001 thru 205-0126	MCS1241-1	●	●		●	●						
	205-0127 and On	MCS1241-1	●	●	●	●	●						
206	All	MCS1241-1	●	●			●						
206H	20600001 thru 20608082	MCS1241-34		●			●						
	20608083 and On	MCS1241-34		●			●			●			
P206, P206A,B	All	MCS1241-1	●	●			●						
P206C,D	All	MCS1241-27	●	●			●						
P206E	U20601445 thru U20601587	MCS1241-34		●			●						
T206H	T20608001 thru T20608146	MCS1241-34		●			●						
	T20608147 and On	MCS1241-34		●			●			●			
TP206A,B	All	MCS1241-1					●						
TP206C	All	MCS1241-27	●	●			●						
TP206D,E	All	MCS1241-27					●						
TU206A	All	MCS1241-1					●						
TU206B	All	MCS1241-1	●	●			●						
TU206C,D	All	MCS1241-27	●	●			●						
TU206E,F[1]	U20601445 thru U20602199	MCS1241-27					●						
TU206F[1]	U20602200 thru U20603521	MCS1241-34		●			●						
TU206G	All	MCS1241-34		●			●			●			
U206	All	MCS1241-1		●			●						
U206A,B	All	MCS1241-1	●	●			●						
U206C,D	All	MCS1241-27	●	●			●						
U206E,F	All	MCS1241-34		●			●						
U206G	All	MCS1241-34		●			●			●			
207, T207	20100001 thru 0700148	MCS1241-27	●	●			●						
	20700149 thru 0700362	MCS1241-34		●			●						
207A, T207A	All	MCS1241-34		●			●			●			
210B	21057841 thru 1057940	MCS1241-1			●		●						
	21057941 thru 1058085	MCS1241-1				●	●						
210C	All	MCS1241-1				●							
210D	All	MCS1241-1			●	●							
210E	All	MCS1241-1	●		●	●	●						
210F	All	MCS1241-1	●				●						
210G	All	MCS1241-1	●	●			●						
210H,J	All	MCS1241-27	●	●			●						
210K,L,M,N,R	All	MCS1241-34		●			●						
P210N,R	All	MCS1241-34											●
T210F	All	MCS1241-1	●				●						
T210G	All	MCS1241-1	●	●			●						
T210H,J	All	MCS1241-27	●	●			●						
T210K,L,M,N,R	All	MCS1241-34		●			●						

[1] Partial model eligibility

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Rod Ends for Cessna Aircraft

Many applications!

Caravan 208 and 208B Rod Ends on Page 478


MCS1819-4


MCS1106-3


MCS1106-4


S1819-3


S1823-3


S2022-3


S1107-3

Rod End Dimensions		
Part Number	Bore/ Eye	Thread
MCS1104-3	0.19	10-32 Internal
MCS1105-3	0.19	10-32 External
MCS1106-3	0.19	1/4-28 Internal
MCS1106-4	0.25	1/4-28 Internal
S1107-3	0.19	3/8-24 External
S1819-3	0.19	1/4-28 Internal
S1823-3	0.19	3/8-24 External
S2022-3	0.25	3/8-24 LH
S2022-3L	0.25	3/8-24 RH
MCS1819-4	0.25	1/4-28 Internal


MCS1104-3


MCS1105-3

Model	Part Number	Aileron Push Rod	Alt Air Control	Cargo Door	Cooling Modulator	Cowl Flap	Cowl Flap Control	Elevator Bob Weight Linkage	Flap Actuator Push Rod	Flap Control	Flap Push Rod	Inertial Seperator Actr Push Rod	Inertial Seperator Control	Main Gear Door	Main Gear Door Actuator	Mixture Control	Mixture Linkage	Nose Gear Steering Rod	Nose Gear Door	Nose Gear Actuator	Outboard Flap Push Rod	Prop Control	Prop Syncro Push Rod	Rear Pressurization Control	Rudder Bar	Rudder Bellcrank Push Rod	Spray Valve Push Rod	Throttle Control	Throttle Linkage	Water Rudder Steering
		MCS1106-3	S1819-3	MCS1819-4	MCS1106-3	MCS1104-3	MCS1105-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	S1819-3	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	S1823-3	S1107-3	MCS1106-4	MCS1106-3	MCS1105-3	MCS1106-3	MCS1106-4	S1819-3	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1105-3
150, 150A,B,C,D, E,F,G,H,J[2]		•									•	•						•	•												
150K,L,M,A-150L, A-A150L, A150K,L,M		•										•						•													
F150F,G,H,J		•									•	•						•													
F150K,L,M, A150K,L,M, FRA150L,M		•										•						•													
152, A152, F152, A152		•										•						•													
172,172A,B,C		•									•								•												
172D,E,F,G,H,I, K,L,M,N,P,Q,R		•									•	•						•													
172RG											•	•									•										
172S, F172D,E,F,G,H,K, L,M,N,P, FP172		•									•	•						•													
FR172E,F,G,H,J		•									•							•													
FR172K		•									•	•						•													
P172D		•									•	•						•													
R172K		•									•	•						•													
175, 175A,B,C		•									•								•												
177, 177A,B											•							•													
177RG, F177RG									•			•																			
180,180A,B,C,D, E,F,G,H,J,K		•									•																				
182,182A,B,C,D, E,F,G,H,J,K[3]		•									•								•												
182L,M		•								•	•																				
182N[1] S/N 18260056 thru 18260445		•								•	•																				
182N[1] S/N 18260446 thru 18260825		•									•																				
182P,Q,R		•									•																				

[1] Partial model eligibility.
[2] P/N S1823-3 is applicable to model 150J only.
[3] P/N S1107-3 is applicable to models 182, 182A,B,C,D only.
Note: Part numbers with "S" prefix are manufactured by Cessna Aircraft Company.

Eligibility continues on next page

Rod Ends for Cessna Aircraft

Many applications!



Continued from previous page

Model	Part Number	Aileron Push Rod	Alt Air Control	Cargo Door	Cooling Modulator	Cowl Flap	Cowl Flap Control	Elevator Bob Weight Linkage	Flap Actuator Push Rod	Flap Control	Flap Push Rod	Inertial Seperator Actr Push Rod	Inertial Seperator Control	Main Gear Door	Main Gear Door Actuator	Mixture Control	Mixture Linkage	Nose Gear Steering Rod	Nose Gear Door	Nose Gear Actuator	Outboard Flap Push Rod	Prop Control	Prop Syncro Push Rod	Rear Pressurization Control	Rudder Bar	Rudder Bellcrank Push Rod	Spray Valve Push Rod	Throttle Control	Throttle Linkage	Water Rudder Steering
	MCS1106-3	S1819-3	MCS1819-4	MCS1106-3	MCS1104-3	MCS1105-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-4	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-3	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1105-3
182S,T		•																												
F182P,Q		•																•												
FR182, R182		•																•												
T182		•																•												
T182T		•																												
TR182		•																•												
185, 185A,B,C,D,E, A185E,F		•																•												
188,188A,B, A188, A188A,B, T188C																		•									•				
210-5 (205), 210-5A (205A)	•																	•												
206									•									•												
206H										•		•																		
P206,P206A				•					•									•												
P206B,C,D,E									•									•												
T206H										•		•																		
TP206A,B									•									•												
TP206C,D,E									•		•							•												
TU206A,B									•									•												
TU206C,D,E									•		•							•												
TU206F[1] S/N U20601701 thru U20602199									•									•												
TU206F[1] S/N U20602200 thru U20603521,TU206G				•					•									•												•
U206,U206A,B,C,D,E, U206F[1] S/N U20601701 thru U20602199				•					•									•												
U206F[1] S/N U20602200 thru U20603521,U206G				•					•									•												•
207,207A,T207,T207A				•					•		•							•												
210,210A	•														•		•	•											•	
210B,C		•																•												
210D,E,F									•									•												
210G			•						•									•			•									
210H,J			•						•		•							•			•									
210K,L,M			•						•		•			•	•	•		•		•										
210N[1] S/N 21062955 thru 21063168			•						•		•							•												
210N[1] S/N 21063169			•						•			•						•												

[1] Partial model eligibility.
[2] P/N S1823-3 is applicable to model 150J only.
[3] P/N S1107-3 is applicable to models 182, 182A,B,C,D only.
Note: Part numbers with "S" prefix are manufactured by Cessna Aircraft Company.

Caravan 208 and 208B Rod Ends on Page 478

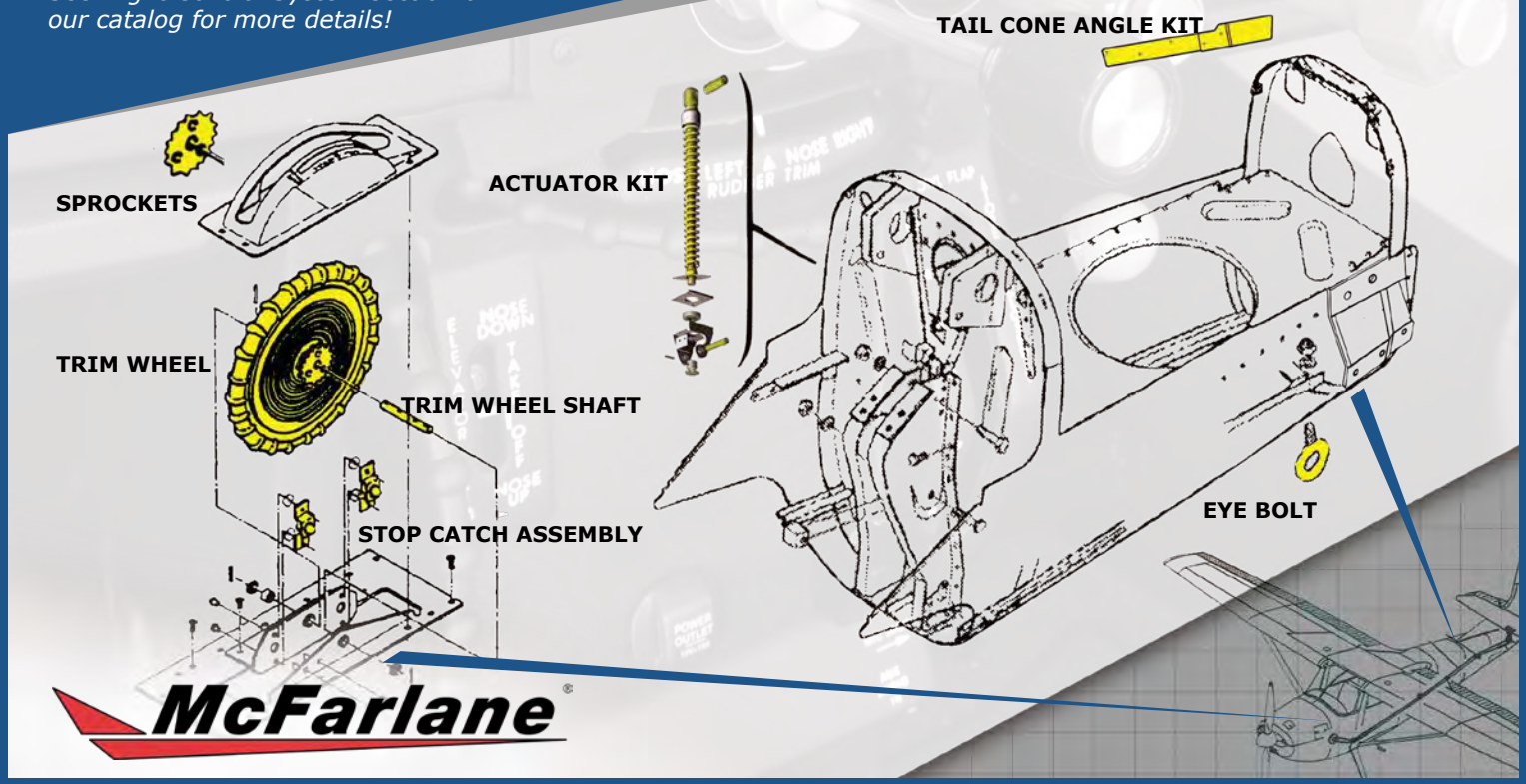
Eligibility continues on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Complete Your Flight Control System!

Cessna 180, 182, 185 Owners

See Flight Control System section of our catalog for more details!



Shimmy Dampener

for Cessna 150, 152, 172, and 182

See Landing and Nose Gear section of our catalog for details!



Take Action!

Stop destructive nose gear shimmy

Superior Strength for Less!

- *Almost no service required*
- *5x the dampening power*
- *Repairable*
- *Self lubricating*

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4TH GENERATION LED BEACONS
FOR FIXED-WING AIRCRAFT



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ANTI-COLLISION WINGTIP LIGHTS



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Rod Ends for Cessna Aircraft

Many application!



Continued from previous page

Model	P/N	Aileron Push Rod	Alt Air Control	Cargo Door	Cooling Modulator	Cowl Flap	Cowl Flap Control	Elevator Bob Weight Linkage	Flap Actuator Push Rod	Flap Control	Flap Push Rod	Inertial Seperator Actr Push Rod	Inertial Seperator Control	Main Gear Door	Main Gear Door Actuator	Mixture Control	Mixture Linkage	Nose Gear Steering Rod	Nose Gear Door	Nose Gear Actuator	Outboard Flap Push Rod	Prop Control	Prop Syncro Push Rod	Rear Pressurization Control	Rudder Bar	Rudder Bellcrank Push Rod	Spray Valve Push Rod	Throttle Control	Throttle Linkage	Water Rudder Steering
		MCS1106-3	MCS1819-4	MCS1106-3	MCS1104-3	MCS1105-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-3	MCS1106-3	MCS1106-4	MCS1106-3	MCS1106-3	MCS1104-3	MCS1106-4	MCS1104-3	S1823-3	S1107-3	MCS1106-4	MCS1106-3	MCS1105-3	MCS1106-3	MCS1106-4	S1819-3	MCS1104-3	MCS1106-3	MCS1106-3	MCS1104-3	MCS1104-3	MCS1106-4	MCS1106-3	MCS1106-4	MCS1104-3	MCS1105-3
		S1819-3	MCS1819-4	MCS1104-3	MCS1105-3	MCS1106-3	MCS1106-4	MCS1106-3	MCS1106-4	MCS1106-4	S1819-3	MCS1106-3	MCS1106-4	MCS1106-3	S1819-3	MCS1104-3	MCS1106-4	S1107-3	MCS1106-4	MCS1106-3	MCS1105-3	MCS1106-3	MCS1106-4	S1819-3	MCS1104-3	MCS1106-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1105-3
210N[1] S/N 21063170 thru 21063174			•						•		•							•																	
210N[1] S/N 21063175 thru 21064135			•						•		•							•																	
210N[1] S/N 21064136 thru 21064897, 210R			•						•		•							•																	
P210N[1] S/N P21000001 thru P21000150		•								•	•			•	•			•	•	•															
P210N[1] S/N P21000151 thru P21000196		•								•	•				•			•	•																
P210N[1] S/N P21000197		•									•				•			•	•																
P210N[1] S/N P21000198 thru P21000212		•								•	•				•			•	•																
P210N[1] S/N P21000213 thru P21000834		•									•				•			•	•																
P210R		•				•					•				•			•	•																
T210F									•			•							•																
T210G			•						•										•		•														
T210H,J			•						•		•								•		•														
T210K,L,M			•						•					•	•	•		•	•	•															
T210N			•						•									•																	
T210R			•				•		•									•																	
310,310B		•		•						•							•																		
310C,D,F,G,H,I,J,J-1,K		•								•												•													
310L,N																						•													
310P,Q										•	•	•										•													
310R						•				•	•	•					•					•	•												
E310H,J		•								•												•													
T310P,Q										•	•	•										•													
T310R						•				•	•	•					•					•	•												
320,320-1,320A,B,C		•								•						•						•													
320D,E,F										•	•											•													
335		•					•			•			•			•					•													
336		•					•			•			•			•						•				•		•						
337							•		•	•			•		•			•	•	•		•			•		•	•						
337A,B							•		•	•			•		•			•	•	•		•			•		•	•						
337C							•		•	•			•		•			•	•	•		•			•		•	•						
337D							•		•	•			•		•			•	•	•		•			•		•	•						
337E,F		•					•			•			•		•	•		•	•	•	•	•		•	•		•	•						
337G,H		•					•			•			•	•	•	•		•	•	•	•		•	•	•		•	•						

[1] Partial model eligibility.
[2] P/N S1823-3 is applicable to model 150J only.
[3] P/N S1107-3 is applicable to models 182, 182A,B,C,D only.
Note: Part numbers with "S" prefix are manufactured by Cessna Aircraft Company.

Cessna 208 and 208B Rod Ends in Caravan section of catalog

Eligibility continues on next page

Rod Ends for Cessna Aircraft

Many application!



Continued from previous page

Model	Part Number	Aileron Push Rod		Alt Air Control	Cargo Door	Cooling Modulator	Cowl Flap	Cowl Flap Control	Cowl Flap Control	Elevator Bob Weight Linkage	Flap Actuator Push Rod		Flap Control		Flap Push Rod		Inertial Seperator Actr Push Rod	Inertial Seperator Control	Main Gear Door		Main Gear Door Actuator		Mixture Control		Mixture Linkage	Nose Gear Steering Rod			Nose Gear Door		Nose Gear Actuator	Outboard Flap Push Rod	Prop Control	Prop Syncro Push Rod	Rear Pressurization Control	Rudder Bar	Rudder Bellcrank Push Rod	Spray Valve Push Rod	Throttle Control		Throttle Linkage	Water Rudder Steering
		MCS1106-3	S1819-3	MCS1819-4	MCS1106-3	MCS1104-3	MCS1105-3	MCS1106-3	MCS1106-4	MCS1106-3	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-3	MCS1106-4	S1819-3	MCS1106-3	MCS1106-4	MCS1106-3	MCS1106-4	S1819-3	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	S1823-3	S1107-3	MCS1106-4	MCS1106-3	MCS1105-3	MCS1106-3	MCS1106-4	S1819-3	MCS1104-3	MCS1106-3	MCS1106-3	MCS1104-3	MCS1106-4	MCS1104-3	MCS1106-3	MCS1106-4	MCS1104-3	MCS1105-3
F337E,F		•					•						•	•					•		•						•	•	•	•	•		•	•		•	•				
F337G,H		•					•						•	•				•	•		•						•	•	•	•		•	•		•	•				
FT337E,F		•					•						•	•					•		•						•	•	•	•	•		•			•	•				
FT337GP (FP337)		•					•				•		•	•					•		•						•	•	•	•	•		•		•	•	•				
FT337HP (FP337H)		•					•				•		•	•					•		•						•	•	•	•	•		•		•	•	•				
M337B							•		•		•		•	•					•										•	•		•		•			•	•				
P337H		•					•				•		•	•					•		•						•	•	•	•	•		•		•	•	•				
T337B,C,D							•		•		•		•	•					•								•	•	•		•		•			•	•				
T337E,F		•					•						•	•					•		•						•	•	•	•	•		•			•	•				
T337G		•					•				•		•	•					•		•						•	•	•	•	•		•		•	•	•				
T337H		•					•						•	•				•	•		•						•	•	•	•	•		•			•	•				
T337H-SP		•					•				•		•	•					•		•						•	•	•	•	•		•		•	•	•				

1 Partial model eligibility.
2 P/N S1823-3 is applicable to model 150J only.
3 P/N S1107-3 is applicable to models 182, 182A,B,C,D only.
Note: Part numbers with "S" prefix are manufactured by Cessna Aircraft Company.

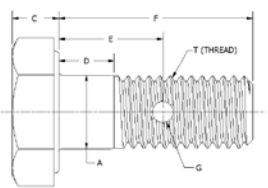
Bolt Style Wire Clamps for Solid Wire Controls for Cessna Aircraft

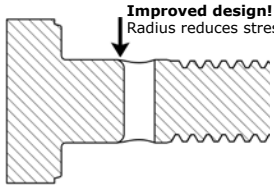
FAA-PMA Approved

- Unique design to reduce wire stress
- Heat treated stainless steel for wear and corrosion resistance
- The best for less!
- Visit our website to find the correct clamp for all other applications









www.mcfarlaneaviation.com/products/category/wire-clamps-bolt-style

P/N	A Bolt Dia. (in)	B Wrench Size (in)	C Thick (in)	D Grip Length (in)	E Hole Position (in)	F Shank Length (in)	G Hole Dia. (in)	T Thread (~)	Application
MCS2323-1	0.188	3/8	0.125	0.250	0.183	0.653	0.073	10-32	Carb heat, starter, mixture, cabin heat, fuel shutoff, strainer drain, defrost, shutter, wastegate, oxygen control, de-ice, heater, airbox, alternate air, flap/elevator, pressure air dump, heat exchanger
MCS2323-2	0.250	7/16	0.156	0.312	0.325	0.781	0.073	1/4 - 28	cabin heat, mixture, defrost
MCS2323-3	0.250	7/16	0.156	0.188	0.199	0.539	0.073	1/4 - 28	strainer drain, cowl flaps, carb heat, alternate air
MCS2323-4	0.250	7/16	0.156	0.313	0.312	0.781	0.073	1/4 - 28	mixture, flap indicator, flap guide, fuel shut-off
MCS2323-5	0.188	3/8	0.125	0.125	0.188	0.531	0.073	10-32	cabin air, carb heat, starter, airbox, defrost, flap, shutter, oxygen
MCS2323-6	0.250	7/16	0.156	0.188	0.355	0.656	0.073	1/4 - 28	mixture, hopper, induction
MCS2323-7	0.188	3/8	0.125	0.250	0.192	0.656	0.076	10-32	fuel shut-off, alternate air, flap elevator trim
MCS2323-8	0.188	3/8	0.125	0.250	0.202	0.656	0.096	10-32	fuel shut-off, oxygen control
MCS2323-9	0.250	7/16	0.156	0.438	0.343	0.906	0.129	1/4 - 28	flap control, flap guide
MCS2323-10	0.188	3/8	0.125	0.125	0.204	0.477	0.079	10-32	fuel shut-off, heat exchanger
MCS2323-11	0.188	3/8	0.125	0.250	0.266	0.656	0.076	10-32	mixture, bleed air, fuel selector, flap/elevator
MCS2323-12	0.250	7/16	0.156	0.188	0.357	0.656	0.073	1/4 - 28	mixture, cabin heat, pressurization
MCS2323-13	0.250	7/16	0.156	0.313	0.271	0.781	0.073	1/4 - 28	mixture, alternate air, bleed air
MCS2323-14	0.188	3/8	0.125	0.125	0.132	0.531	0.082	10-32	cabin heat, cabin air
MCS2323-19	0.188	3/8	0.125	0.125	0.200	0.531	0.094	10-32	defroster

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Throttle, Mixture, and Propeller Controls for Piper Aircraft

- All metal construction
- Pilot friendly knobs
- Lifetime lubrication
- Superior low friction conduit

Carb Heat and Alt Air Controls

Longer life and save $$$

- The most commonly replaced controls just got better
- Special, heavier wire for more fatigue strength and reliability
- Improved friction mechanism
- Reduced vibration wear
- Anti-rotate feature to reduce stress on the inner wire
- High temperature Teflon lined conduit

Vernier-Assist™ Throttle Controls

Precision Control

New roller action vernier provides smooth jam-proof coarse and fine adjustment.

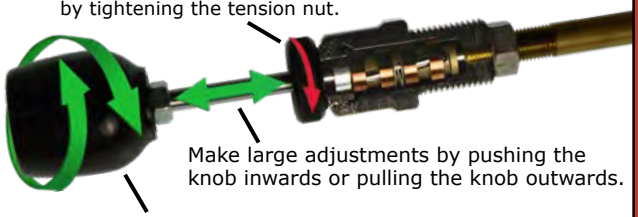
- Jam-proof safety
- Precision power adjustments
- Smooth friction control
- Light and compact
- Standard vernier action, without the button!

NEW

New MCVA Throttle Series

Vernier and friction lock - The best of both!

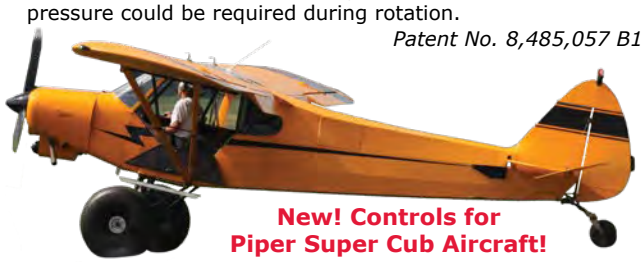
Tension and vernier action is increased by tightening the tension nut.



Make large adjustments by pushing the knob inwards or pulling the knob outwards.

Make fine adjustments by rotating the knob clockwise or counterclockwise. Our ***Vernier-Assist™*** throttle control uses a patented roller action and does not use a positive lock thread engagement. For extreme conduit routing or heavy carburetor load installations, slight inward or outward assist pressure could be required during rotation.

Patent No. 8,485,057 B1



New! Controls for Piper Super Cub Aircraft!

Model	Serial Number	Throttle Control	Propeller Control	Mixture Control	Carb Heat or Alt Air Control
PA-18, PA-18S	All	MC12694-002[9] ***New!*** MC12694-000[10] ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18"105" (Special)	All	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18"125" (Army L-21A)	All	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18"135" (Army L-21B)	All	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18"150"	All	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18A, PA-18A"135",A"150"	All	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18AS"125", AS"135", AS"150"	All	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18S"105",S"125",S"135"	All	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-18S "150"	1809001 thru 1809113	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[3]
PA-18S "150"	18-3771 thru 18-8309025	MC12694-003 ***New!***		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-19, PA19S,L-18C	All			MC600-72	
PA-20, PA-20S	20-01 thru 20-811	MC455-139 or MCVA455-139[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-20, PA-20S	20-812 thru 20-1121	MC455-139 or MCVA455-139[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-20, PA-20S	20-1122 and On			MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-20"115", PA-20S"115"	20-01 thru 20-1121	MC455-139 or MCVA455-139[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-20"115", PA-20S"115"	20-1122 and On			MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-20"135", PA-20S"135"	20-877 thru 20-1121	MC455-139 or MCVA455-139[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-20"135", PA-20S"135"	20-1122 and On			MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-22	All	MC455-139 or MCVA455-139[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-22-108	22-8000 and On	MC12693-04 or MCVA12693-04[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[1]
PA-22-135	22-534 thru 22-2377	MC455-139 or MCVA455-139[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[2]
PA-22-135	22-2379 thru 22-2424	MC455-139 or MCVA455-139[11]		MC454-120[5][7] or MC600-72[8]	MC454-120[2]

See notes on next page
Eligibility continued on next page

Eligibility continued from previous page

Model	Serial Number	Throttle Control	Propeller Control	Mixture Control	Carb Heat or Alt Air Control
PA-22-135	22-2378, 22-2425 thru 22-3217	MC12693-04 or MCVA12693-04[11]		MC454-120[5] [7] or MC600-72[8]	MC454-120[3]
PA-22-135	22-3219 thru 22-3386	MC12693-04 or MCVA12693-04[11]		MC454-120[5] [7] or MC600-72[8]	MC454-120[3]
PA-22S-135	22-534 thru 22-2377			MC454-120[5] [7] or MC600-72[8]	MC454-120[2]
PA-22S-135	22-2379 thru 22-2424			MC454-120[5] [7] or MC600-72[8]	MC454-120[2]
PA-22S-135	22-2378, 22-2425 thru 22-3217	MC12693-04 or MCVA12693-04[11]		MC454-120[5] [7] or MC600-72[8]	MC454-120[3]
PA-22S-135	22-3219 thru 22-3386	MC12693-04 or MCVA12693-04[11]		MC454-120[5] [7] or MC600-72[8]	MC454-120[3]
PA-22-150, PA-22S-150	22-2378, 22-2425 thru 22-7642	MC12693-04 or MCVA12693-04[11]		MC454-120[5] [7] or MC600-72[8]	MC454-120[3]
PA-22-160, PA-22S-160	22-5139, 22-5603 thru 22-7642	MC12693-04 or MCVA12693-04[11]		MC454-120[5] [7] or MC600-72[8]	MC454-120[3]
PA-24	24-1 thru 24-2969			MC454-120[1] [7] or MC600-72[8]	
PA-24-250	24-1 thru 24-104			MC454-120[1] [7]	
PA-24-250	24-105 thru 24-2174 24-2176 thru 24-2298		MC455-184	MC454-120[1] [7] or MC600-72[8] Carb Engine Only	
PA-24-250	24-2175, 24-2299 thru 24-2969		MC455-252	MC454-120[1] [7] or MC600-72[8] Carb Engine Only	
PA-24-250	24-2970 thru 24-3687		MC455-252	MC600-72[8] Carb Engine Only	
PA-24-260	24-3642, 24-4000 thru 24-4803		MC455-252	MC600-72 Carb Engine Only	
PA-24-260	24-4804 thru 24-5034			MC600-72 Carb Engine Only	
PA-24-400	26-2 thru 26-148			MC22633-04	
PA-28-140	28-20002 thru 28-21095	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-003[4]
PA-28-140	28-21096 thru 28-24999	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-016[6]
PA-28-140	28-25000 thru 28-25821	MC455-353		MC455-352	MC554-167
PA-28-140	28-25822 thru 28-7425418	MC455-353		MC455-352	MC554-093[1]
PA-28-140	28-7425419 thru 28-7725290	MC455-353		MC455-352	MC554-094[1]
PA-28-150	28-1 thru 28-2627	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-003[4]
PA-28-150	28-2628 thru 28-4377	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-016[6]
PA-28-151	All	MC455-350		MC455-352	MC554-093[1]
PA-28-160	28-1 thru 28-2627	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-003[4]
PA-28-160	28-2628 thru 28-4377	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-016[6]
PA-28S-160	28-1 thru 28-1760			MC600-72	MC63902-003[4]
PA-28-161	2816001 thru 2816110 (Less 2816066)	MC455-350		MC455-352	MC554-093[1]
PA-28-161	2816111 thru 2816119				MC554-093[1]
PA-28-161	2841001 thru 2842999	MC455-350		MC455-352	MC554-093[1]
PA-28-161	28-7716002 thru 28-8616057	MC455-350		MC455-352	MC554-093[1]
PA-28-180	28-671 thru 28-1760	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-003[4]
PA-28-180	28-1761 thru 28-2627	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-003[4]

[1] Knob not included.
[2] Knob not included. Order P/N MC471-052
[3] Knob not included. Order P/N MC471-060
[4] Knob P/N MC471-084 included with control.
[5] Knob not included. Order P/N MC471-053
[6] Knob P/N MC571-131 included with control.
[7] P/N MC454-120 duplicates original control.
[8] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[9] W/Electrical Equipment
[10] W/O Electrical Equipment
[11] To order ***Vernier-Assist™*** throttle controls change "MC" prefix to "MCVA" prefix.
Additional knob eligibility is on the following pages. Rod end part numbers and eligibility is on the following pages.

See page 45 for Piper rod ends!

Eligibility continues on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Eligibility continued from previous page

Model	Serial Number	Throttle Control	Propeller Control	Mixture Control	Carb Heat or Alt Air Control
PA-28-180	28-2628 thru 28-4377	MC12693-04 or MCVA12693-04[11]		MC600-72	MC63902-016[6]
PA-28-180	28-4378 thru 28-5152	MC455-333		MC455-332	MC66856-007
PA-28-180	28-5153 thru 28-5398	MC455-350		MC455-352	MC66856-007
PA-28-180	28-5399 and On	MC455-350		MC455-352	MC554-095[1]
PA-28R-180	28R-30005 thru 28R-30481	MC455-322	MC455-322	MC455-322	
PA-28R-180	28R-30483 thru 28R-31092	MC455-322	MC455-322	MC455-322	
PA-28R-180	28R-31093 thru 28R-31279	MC455-322	MC455-322	MC455-322	MC554-092[1]
PA-28R-180	28R-7130001 thru 28R-7130013	MC455-322	MC455-322	MC455-322	MC554-130[1]
PA-28R-180	28R-7130014 thru 28R-7130019	MC455-322	MC455-322	MC455-322	
PA-28S-180	28-671 thru 28-2627			MC600-72	MC63902-003[4]
PA-28S-180	28-2628 thru 28-4377			MC600-72	MC63902-016[6]
PA-28S-180	28-4378 thru 28-5398				MC66856-007
PA-28S-180	28-5399 thru 28-28-7205234				MC554-095[1]
PA-28-181	2843001 thru 2843999			MC455-352	MC554-094[1]
PA-28-181	2890001 thru 2890205			MC455-352	MC554-095[1]
PA-28-181	2890206 thru 2890231			MC455-352	MC554-094[1]
PA-28-181	28-7690001 thru 28-8290174	MC455-350		MC455-352	MC554-095[1]
PA-28-181	28-8390001 and On	MC455-350		MC455-352	MC554-095[1]
PA-28-201T	28-7921001 thru 28-7921095	MC455-322	MC455-322	MC455-361	MC554-387[1]
PA-28R-200	28R-30482, 28R-35001 thru 28R-35225	MC455-322	MC455-322	MC455-322	
PA-28R-200	28R-35226 thru 28R-35830	MC455-322	MC455-322	MC455-322	MC554-092[1]
PA-28R-200	28R-7135001 thru 28R-7635545	MC455-322	MC455-322	MC455-322	MC554-130[1]
PA-28R-201	2837001 thru 2837061	MC455-322	MC455-322	MC455-322	MC554-130[1]
PA-28R-201	2844001 thru 2844999				MC554-130[1]
PA-28R-201	28R-7737002 thru 28R-7837317	MC455-322	MC455-322	MC455-322	MC554-130[1]
PA-28R-201T	28R-7703002 thru 28R-7803372	MC455-322	MC455-322	MC455-361	MC554-387[1]
PA-28R-201T	2803001 thru 2803015	MC455-322	MC455-322	MC455-361	MC554-387[1]
PA-28RT-201	28R-7918001 thru 28R-8018116	MC455-322	MC455-322	MC455-322	MC554-130[1]
PA-28RT-201	28R-8018117 thru 28R-8118000				MC554-130[1]
PA-28RT-201	28R-8118001 and On	MC455-322	MC455-322	MC455-322	MC554-130[1]
PA-28RT-201T	2831001 thru 2831038				MC554-387[1]
PA-28RT-201T	28R-7931001 thru 28R-8031188	MC455-322	MC455-322	MC455-361	MC554-387[1]
PA-28RT-201T	28R-8031189 thru 28R-8131000				MC554-387[1]
PA-28RT-201T	28R-8131001 and On	MC455-322	MC455-322	MC455-361	MC554-387[1]
PA-28-235	28-10003 thru 28-11038	MC12693-04 or MCVA12693-04[11]		MC600-72	
PA-28-235	28-11039	MC12693-04 or MCVA12693-04[11]			
PA-28-235	28-11040 thru 28-11252	MC455-333		MC455-332	MC66856-007
PA-28-235	28-11253 thru 28-11393	MC455-333		MC455-332	MC554-094[1]
PA-28-235	28-7110001 thru 28-7210033	MC455-333		MC455-332	MC554-094[1]
PA-28-235	28-7310001 thru 28-7710089	MC455-333	MC455-344	MC455-332	MC554-094[1]
PA-28-236	28-11001 thru 2811050				MC554-094[1]
PA-28-236	28-7911001 thru 28-8211060	MC455-333	MC455-344	MC455-332	MC554-094[1]
PA-28-236	28-8311001 and On	MC455-333	MC455-344	MC455-332	MC554-094[1]
PA-32-260	32-451 thru 32-1110				MC63902-021[6]
PA-32-260	32-1111 thru 32-1320	MC455-360		MC455-361	MC554-053
PA-32-260	32-7100001 thru 32-7800008	MC455-360		MC455-361	MC554-053
PA-32-300	32-40000 thru 32-40565	MC69530-02 or MC69530-02[11]	MC65451-04		

[1] Knob not included.
[2] Knob not included. Order P/N MC471-052
[3] Knob not included. Order P/N MC471-060
[4] Knob P/N MC471-084 included with control.
[5] Knob not included. Order P/N MC471-053
[6] Knob P/N MC571-131 included with control.
[7] P/N MC454-120 duplicates original control.
[8] P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
[9] W/Electrical Equipment
[10] W/O Electrical Equipment
[11] To order ***Vernier-Assist***™ throttle controls change "MC" prefix to "MCVA" prefix.
Additional knob eligibility is on the following pages. Rod end part numbers and eligibility are on the following pages.

See page 45 for Piper rod ends!

Eligibility continues on next page

Eligibility continued from previous page

Model	Serial Number	Throttle Control	Propeller Control	Mixture Control	Carb Heat or Alt Air Control
PA-32-300	32-41019 thru 32-7140000				MC554-051
PA-32-300	32-40566 thru 32-41018	MC455-358			MC554-051
PA-32-300	32-7140001 thru 32-7940282	MC455-358			MC554-051
PA-32-300	32-7940283 and On				MC554-051
PA-32R-300	All				MC554-051
PA-32RT-300	All				MC554-051
PA-32S-300	32S40566 thru 32S-7240137				MC554-051
PA-32-301	32-8006001 thru 32-8406020	MC455-358			MC554-051
PA-32-301	32-8406021 thru 32-8506000	MC455-358			MC554-051
PA-32-301	32-8506001 and On	MC455-358			MC554-051
PA-32-301FT	All				MC554-051
PA-32-301T	32-8024001 thru 32-8424002	MC455-344		MC455-344	MC553-874
PA-32-301T	32-8524001 and On	MC455-344		MC455-344	
PA-32R-301	3213001 thru 3213103				MC554-051
PA-32R-301	3246001 thru 3246999				MC653-658
PA-32R-301	32R-8013001 thru 32R-8613006				MC554-051
PA-32R-301T	3229001 thru 3229003				MC553-885
PA-32R-301T	3257001 thru 3257999				MC653-658
PA-32R-301T	32R-8029001 thru 32R-8229078	MC455-360		MC455-360	MC553-885
PA-32R-301T	32R-8229079 thru 32R-8329000				MC553-885
PA-32R-301T	32R-8329001 and On	MC455-360		MC455-360	MC553-885
PA-32RT-300T	32R-7787001 thru 32R-7887000				MC554-466
PA-32RT-300T	32R-7887001 thru 32R-7987126	MC455-360		MC455-360	MC554-466
PA-38-112	All				MC554-511 1

1 Knob not included.
2 Knob not included. Order P/N MC471-052
3 Knob not included. Order P/N MC471-060
4 Knob P/N MC471-084 included with control.
5 Knob not included. Order P/N MC471-053
6 Knob P/N MC571-131 included with control.
7 P/N MC454-120 duplicates original control.
8 P/N MC600-72 is a vernier control. Installation is approved as a minor alteration (No STC or Form 337). May require enlarging the mounting hole to ¾" diameter. Use our Drill Step P/N 44460 (see details on page 54).
9 W/Electrical Equipment
10 W/O Electrical Equipment
11 To order ***Vernier-Assist***™ throttle controls change "MC" prefix to "MCVA" prefix.

See page 45 for Piper rod ends!

Additional knob eligibility is on the following pages. Rod end part numbers and eligibility are on the following pages.

Easily remove or install your controls using our wrench tool set! See below.

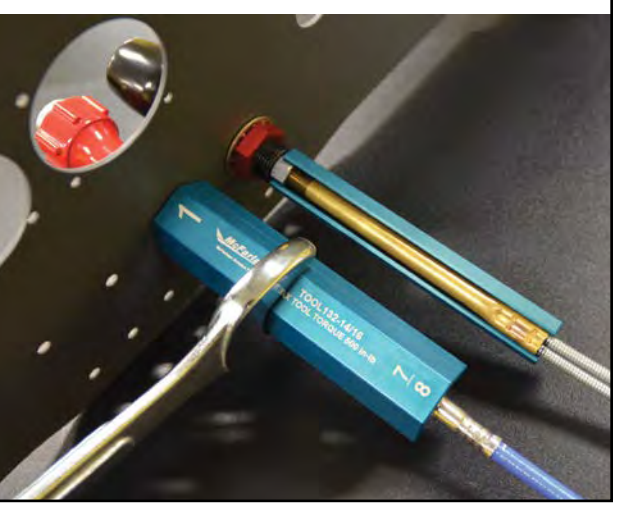
Push-Pull Control Wrench Set

P/N TOOL132 installs and removes push-pull control nuts behind the panel

- Works with all controls — six nut sizes!
- 5 1/2" length reaches hard to access nuts
- Slot allows access to nut on installed control
- Wrench anywhere on the external hex
- Lightweight aluminum is easy to handle when using overhead
- Many other uses (brake/fuel/vent/hydraulic lines, etc.)

Includes case!





Part Number	Description
TOOL132	Contains one of each wrench
TOOL132-8/9	1/2" and 9/16"
TOOL132-11/12	11/16" and 3/4"
TOOL132-14/16	7/8" and 1" wrench

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cabin Environment Controls for Piper Aircraft

Longer life and save up to $200.00

- Special, heavier wire for strength and reliability
- Improved friction mechanism
- Reduced vibration wear
- Anti-rotate feature to reduce stress on the inner wire
- High temperature Teflon lined conduit

Additional knob eligibility shown on the following page!





P/N MC454-120
without knob



P/N MC454-120 with
P/N MC471-052 Knob



P/N MC454-120 with
P/N MC471-060 Knob

Aircraft	Serial Number	Cabin Heat	Cabin Heat Rear	Cold Air Inlet	Defrost Control	Parking Brake
PA-18, PA-18A, PA-18S	All	MC454-120 2				
PA-18 "105" (Special), PA-18S "105" (Special)	All	MC454-120 2				
PA-18 "125" (Army L-21A), PA-18AS "125", PA-18S "125"	All	MC454-120 2				
PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135"	18-1 thru 18-2167	MC454-120 2				
PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135"	18-2168 and On	MC454-120 2		MC454-120 2		
PA-18AS "135",	All	MC454-120 1				
PA-18 "150"	All	MC454-120 2				
PA-18A "150", PA-18AS "150"	All	MC454-120 2		MC454-120 2		
PA-18S "150"	1809001 thru 1809113	MC454-120 3		MC454-120 1		
PA-18S "150"	18-3771 thru 18-8309025	MC454-120 2		MC454-120 2 3		
PA-20, PA-20S	20-1 thru 20-553	MC454-120 2				
PA-20, PA-20S	20-554 thru 20-811	MC454-120 2		MC454-120 2		
PA-20, PA-20S	20-812 and On	MC454-120 2	MC454-120 2	MC454-120 2		
PA-20 "115", PA-20S "115"	All	MC454-120 2				
PA-20 "135", PA-20S "135"	20-877, 20-881, 20-885, 20-888	MC454-120 2		MC454-120 2		
PA-20 "135", PA-20S "135"	20-878 thru 20-880	MC454-120 2	MC454-120 2	MC454-120 2		
PA-20 "135", PA-20S "135"	20-882 thru 20-884	MC454-120 2	MC454-120 2	MC454-120 2		
PA-20 "135", PA-20S "135"	20-886 thru 20-887	MC454-120 2	MC454-120 2	MC454-120 2		
PA-20 "135", PA-20S "135"	20-889 and On	MC454-120 2	MC454-120 2	MC454-120 2		
PA-22	All	MC454-120 2	MC454-120 2	MC454-120 2		MC454-120 2
PA-22-108	All	MC454-120 3	MC454-120 3	MC454-120 3		MC454-120 1
PA-22-135	22-534 thru 22-539, 22-543	MC454-120 2		MC454-120 2		MC454-120 2
PA-22-135	22-540 thru 22-542	MC454-120 2	MC454-120 2	MC454-120 2		MC454-120 2
PA-22-135	22-544 thru 22-2377	MC454-120 2	MC454-120 2	MC454-120 2		MC454-120 2
PA-22-135	2378	MC454-120 3	MC454-120 3	MC454-120 3		MC454-120 1
PA-22-135	22-2379 thru 22-2424	MC454-120 2	MC454-120 2	MC454-120 2		MC454-120 2
PA-22-135	22-2425 and On	MC454-120 3	MC454-120 3	MC454-120 3		MC454-120 1
PA-22S-135	22-534 thru 22-2377 and 22-2379 thru 22-2424	MC454-120 2 4	MC454-120 1	MC454-120 2		
PA-22S-135	22-2378, 22-2424 and On	MC454-120 3 4	MC454-120 3	MC454-120 3		
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-2378, 22-2425 thru 22-5138	MC454-120 3	MC454-120 3	MC454-120 3		MC454-120 3
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-2379 thru 22-2424	MC454-120 2	MC454-120 1	MC454-120 2		MC454-120 2
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-5139, 22-5603 and On	MC454-120 3	MC454-120 3	MC454-120 3		MC454-120 1
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-5140 thru 22-5602	MC454-120 3	MC454-120 3	MC454-120 3		MC454-120 3
PA-24, PA-24-250	24-1 thru 24-2174	MC454-120 1		MC454-120 1	MC454-120 1	MC454-120 1
PA-24, PA-24-250	24-2176 thru 24-2298			MC454-120 1		MC454-120 1

1 Knob not included.
2 Knob not included. Order P/N MC471-052
3 Knob not included. Order P/N MC471-060
4 Quantity 2 each of the Cabin Heat Control is required for this aircraft.

Easily remove or install your controls using our wrench tool set on the previous page!

Control Knobs for Piper Aircraft

Give your panel an upgrade - replace old discolored knobs!

- "Original" look
- Superior quality
- 10-32 thread



See knobs and continued eligibility on next page

Aircraft	Serial Number	Knob Type	Alternate Air (Chrome)	Cabin Heat (Chrome)	Cabin Heat (Black)	Cabin Heat (Ivory)	Cabin Heat (Rear)	Cabin Heat Rear (Ivory)	Cabin Heat Front (Ivory)	Cabin Vent (Black)	Carb Heat (Black)	Decal, Carb Heat	Carb Heat (Chrome)	Carb Heat (Black)	Carb Heat (Ivory)	Cold Air (Black)	Cold Air Inlet (Chrome)	Cold Air Inlet (Black)	Cold Air Inlet (Ivory)	Defrost (Chrome)	Mixture Control (Red)	Parking Brake (Black)	Parking Brake (Ivory)
		Part Number	MC571-131	MC571-131	MC471-060	MC471-052	MC471-060	MC471-052	MC471-052	MC471-060	MC471-084	6289	MC571-131	MC471-060	MC471-052	MC471-060	MC571-131	MC471-060	MC471-052	MC571-131	MC471-053	MC471-060	MC471-052
PA-18, PA-18A, PA-18S	All					•									•						•		
PA-18 "105" (Special), PA-18S "105"	All					•									•						•		
PA-18 "125" (Army L-21A), PA-18AS "125", PA18S "125"	All					•									•						•		
PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135"	18-1 thru 18-2167					•									•						•		
PA-18AS "135"	18-1 thru 18-2167														•						•		
PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135"	18-2168 thru 18-7632					•									•	•			•		•		
PA-18AS "135"	18-2168 thru 18-7632														•	•			•		•		
PA-18A "150", PA-18AS "150"	All					•									•	•			•		•		
PA-18S "150"	1809001 thru 1809113				•									•							•		
PA-18S "150"	18-3771 thru 18-8309025					•									•			•	•		•		
PA-20, PA-20S	20-1 thru 20-553					•									•								
PA-20, PA-20S	20-554 thru 20-811					•									•				•				
PA-20, PA-20S	20-812 and On					•		•							•				•		•		
PA-20 "115", PA-20S "115"	All					•									•						•		
PA-20 "135", PA-20S "135"	All							•	•						•				•		•		
PA-22	All					•		•							•				•		•		•
PA-22-108	All				•		•			•				•		•					•		
PA-22-135	22-534 thru 22-539					•									•				•		•		•
PA-22-135	22-540 thru 22-542					•		•							•				•		•		•
PA-22-135	22-543					•									•				•		•		•
PA-22-135	22-544 thru 22-2377					•		•							•				•		•		•
PA-22-135	22-2378				•		•			•				•				•			•		
PA-22-135	22-2379 thru 22-2424					•		•							•				•		•		•
PA-22-135	22-2425 and On				•		•			•				•				•			•		
PA-22S-135	22-534 thru 22-2377 and 22-2379 thru 22-2424					• [1]									•				•		•		•
PA-22S-135	22-2378, 22-2425 and On				•		•			•				•				•			•		
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-2378				•		•			•				•				•			•	•	
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-2379 thru 22-2424					• [1]									•				•		•		•
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-2425 thru 22-5138				•		•			•				•				•			•	•	
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-5139				•		•			•				•				•			•		
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-5140 thru 22-5602				•		•			•				•				•			•	•	
PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	22-5603 and On				•		•			•				•				•			•		
PA-25-235	All													•									
PA-25-260	All													•									
PA-28-140	28-20002 thru 28-21095										•	•											
PA-28-140	28-21096 thru 28-24999			•									•				•			•			
PA-28-150, PA-28-160	28-0001 thru 28-2627										•	•											
PA-28-150, PA-28-160	28-2628 thru 28-4377			•									•							•			
PA-28S-160	28-1 thru 28-1760										•	•											

[1] Quantity 2 each of knob Cabin Heat (Ivory) is required for these aircraft.

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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P/N MC471-052


P/N MC471-053


P/N MC471-060



P/N MC471-084
With P/N 6289 Carb Heat Decal
(Decal sold separately)


P/N MC571-131

Aircraft	Serial Number	Knob Type	Alternate Air (Chrome)	Cabin Heat (Chrome)	Cabin Heat (Black)	Cabin Heat (Ivory)	Cabin Heat (Rear)	Cabin Heat Rear (Ivory)	Cabin Heat Front (Ivory)	Cabin Vent (Black)	Carb Heat (Black)	Decal, Carb Heat	Carb Heat (Chrome)	Carb Heat (Black)	Carb Heat (Ivory)	Cold Air (Black)	Cold Air Inlet (Chrome)	Cold Air Inlet (Black)	Cold Air Inlet (Ivory)	Defrost (Chrome)	Mixture Control (Red)	Parking Brake (Black)	Parking Brake (Ivory)
		Part Number	MC571-131	MC571-131	MC471-060	MC471-052	MC471-060	MC471-052	MC471-052	MC471-060	MC471-084	6289	MC571-131	MC471-060	MC471-052	MC471-060	MC571-131	MC471-060	MC471-052	MC571-131	MC471-053	MC471-060	MC471-052
PA-28-180, PA-28S-180	28-671 thru 28-2627										•	•											
PA-28-180	28-2628 thru 28-4277			•									•							•			
PA-28-180	28-4278 thru 28-4377												•							•			
PA-28S-180	28-671 thru 28-2627										•	•											
PA-28S-180	28-2628 thru 28-4377												•										
PA-28-235	28-10003 thru 28-10675										•	•											
PA-28-235	28-10676 thru 28-11039			•									•							•			
PA-32-260	32-1 thru 32-1110												•										
PA-32-300	32-40000 thru 32-40565		•																				
PA-32-300S	32S-15 thru 32S-40565		•																				

Rod Ends for Piper Aircraft

Many applications and aircraft eligibility!


CA452-335A


CA452-368


CA452-412


CA452-584

Piper Rod End Dimensions		
Part Number	Eye	Thread
CA452-334A	0.19	1/4-28 External
CA452-335A	0.19	1/4-28 Internal
CA452-336A	0.19	1/4-28 Internal
CA452-368	0.50	1/2-20 Internal
CA452-412	0.25	5/16-24 External
CA452-860A	0.25	1/4-28 External
CA452-584	0.19	Spherical

Model	Serial Number	Part Number	Description/Application
PA-18,A PA-18-105,125,135,150	All	CA452-335A	Wing panel assembly, uncovered
PA-18A-125,135,150	18-1 thru 18-8309025		
PA18-150	809001 thru 1809113		
PA-22 PA-22-108,135,150,160	All	CA452-335A	Wing panel assembly, nose wheel
PA-23-150,160 PA-23-235, PA23-250, PA 23-250	All	CA452-335A	Nose gear, main gear
PA-24-180,250,260,400	All	CA452-412	Landing gear retraction system, flap control mechanism, control surfaces
PA-28-140,150,160,180,235 PA-28R-180,200,201,201T	All	CA452-334A	Steering push rod and shimmy dampener, main gear bearing, control system
		CA452-335A	Bungee assembly, nose wheel, landing gear door
		CA452-336A	Flap control, nose gear assembly
		CA452-368	Main gear
		CA452-584	Landing gear door
		CA452-860A	Shimmy dampener
PA-28-151,161	715001 thru 28-7715314, 28-7716001 thru 28-8616057, 2816001 thru 2816119	CA452-334A	Nose gear
		CA452-335A	Nose gear, control system, flap control
PA-28-161	2841001 thru 2841365	CA452-334A	Nose gear
PA-28-161	2842001 and on	CA452-335A	Control system, flap control
		CA452-336A	Flap control
PA-28-181	28-7690001 thru 28-8690056, 2890001 thru 2890231, 2843001 and on	CA452-334A	Nose gear
		CA452-335A	Control system
		CA452-336A	Flap control

Eligibility continued on next page

Rod Ends for Piper Aircraft continued from previous page

See Rod End dimensions on previous page

Model	Serial Number	Part Number	Description/Application
PA-28R-201,201T	28R-773700, 2837001 thru 2837061, 28R7703002 thru 28R-7803372, 2803001 thru 2803015	CA452-334A	Nose landing gear, main landing gear
		CA452-335A	Landing gear door, control system, flap control
		CA452-336A	Flap control
		CA452-584	Landing gear door
PA-28R-201	2844001 and on	CA452-334A	Nose landing gear
		CA452-335A	Landing gear door, control system, flap control
		CA452-336A	Flap control
		CA452-368	Main landing gear
PA-28RT-201,201T	All	CA452-334A	Nose landing gear
		CA452-335A	Landing gear door
PA-30,39	All	CA452-412	Landing gear retraction system, flap control mechanism
PA-31P	All	CA452-335A	Cabin door step
		CA452-412	Cabin door latch, nose landing gear, nose gear steering,
PA-31P-350	All	CA452-335A	Cabin door step
		CA452-412	Cabin door latch, nose landing gear, nose gear steering, elevator trim
PA-31-300,325, PA-31-350, PA-31-350 (T1020)	All	CA452-412	Nose landing gear, nose gear steering mechanism
PA-31T,T1,T2	All	CA452-335A	Cabin door step, engine control
		CA452-412	Cabin door latch, nose landing gear
		CA452-860A	Cabin door snubber
PA-31T3	All	CA452-335A	Engine controls
		CA452-412	Nose landing gear, nose gear steering
PA-32-260,300, PA-32R-300,	All	CA452-334A	Nose gear, main gear, control system
		CA452-335A	Landing gear door, flap control
		CA452-368	Main gear
		CA452-584	Landing gear door
		CA452-860A	Nose gear
PA-32-301,301T	All	CA452-334A	Nose gear
		CA452-335A	Aileron control, flap control
		CA452-336A	Aileron control, flap control
		CA452-860A	Nose gear
PA-32-301 XTC	All	CA452-334A	Nose gear
PA-32-301FT	All	CA452-335A	Aileron control, flap control
		CA452-336A	Aileron control
		CA452-860A	Nose gear
PA-32R-301,301T	32R-8013001 thru 32R-8613005, 321001 thru 3213103, 32R-8029001 thru 32R-8629006, 3229001 thru 3229003	CA452-334A	Nose gear, main gear
		CA452-335A	Landing gear door, aileron control, flap control
		CA452-336A	Aileron control, flap control
		CA452-368	Main gear
PA-32R-301,301T	3246001 and on 3257001 and on	CA452-334A	Main gear
		CA452-335A	Landing gear door, aileron control, flap control
		CA452-336A	Aileron control, flap control
		CA452-368	Main gear
PA-34-200	All	CA452-334A	Nose gear, aileron control, rudder trim, hydraulic system
		CA452-335A	Nose and main gear door actuation, flap control
		CA452-336A	Flap control
		CA452-368	Main gear
PA-34-200T	All	CA452-334A	Air conditioning, Condenser and scoop, nose gear, hydraulic system rudder trim
		CA452-335A	Nose and main gear door actuation
		CA452-336A	Flap control
		CA452-368	Main gear
		CA452-584	Aileron assembly, nose and main gear actuation
PA-34-220T	34-8133001 thru 34-8633031, 3433001 and on, 3448001 and on, 3447001 thru 3447029, 3449001 and on	CA452-334A	Nose gear, rudder trim hydraulic system, air conditioning, condenser and scoop
		CA452-335A	Nose and main gear door actuation, aileron control, flap control
		CA452-336A	Flap control
PA-34RT-300,300T	All	CA452-334A	Nose gear, main gear, control system
		CA452-335A	Landing gear door, flap control
		CA452-336A	Flap control
		CA452-368	Main gear
		CA452-584	Landing gear door
PA-36-285,300,375	All	CA452-584	Elevator and elevator trim control
PA-42, PA-42-720	All	CA452-335A	Cabin door step, engine controls

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Rod Ends for Piper Aircraft continued from previous page

See Rod End dimensions on previous pages

Model	Serial Number	Part Number	Description/Application
PA-42-1000	All	CA452-412	Cabin door latch, nose landing gear, nose gear steering, elevator control
PA-44-180,180T	44-7995001 thru 44-8207020, 4495001 thru 4495013, 4496001 and on	CA452-334A	Nose landing gear, main gear
		CA452-335A	Landing gear door, aileron control, flap control
		CA452-336A	Aileron control, flap control
		CA452-584	Landing gear door
PA-46-310P,350P	46-8408001 thru 46-8608067, 4608001 thru 4608140, 4622001 thru 4622200	CA452-334A	Nose gear, nose and main gear door, actuation
		CA452-335A	Nose and main gear door actuation
		CA452-412	Flap drive - electrical
		CA452-860A	Flap drive - electrical, flap drive and hydraulic
PA-46-350P	4636001 and on	CA452-334A	Nose gear, nose and main gear door actuation
		CA452-335A	Main gear
		CA452-412	Flap Drive-Mechanical
		CA452-860A	Flap Drive-Mechanical
PA-46R-350T	4692001 and on	CA452-334A	Nose gear, nose and main gear door actuation
		CA452-335A	Main gear
		CA452-412	Flap Drive-Mechanical
		CA452-860A	Flap Drive-Mechanical
PA-46-500TP	4697002 with G1000, 4697340 with G1000, 4697399 and on with G1000	CA452-334A	Nose gear, nose gear door actuation
		CA452-335A	Main gear door actuation
		CA452-412	Flap Drive-Mechanical
		CA452-860A	Flap Drive-Mechanical
PA-46-500TP	4697001 and on without G1000	CA452-334A	Nose gear, nose and main gear door actuation
		CA452-335A	Nose and main gear door actuation
		CA452-412	Flap Drive-Mechanical
		CA452-860A	Flap Drive-Mechanical

New! Swivel Fittings and Studs (Bug Nuts) for Piper Aircraft

Save $$$ with FAA-PMA Approval!

NEW

- Vast eligibility with multiple applications
- Heat-treated stainless steel
- Improved cone for less wire distortion
- Multiple FAA-PMA replacement options: buy only the swivel fitting and stud, or get the swivel assembly!
- The MC70371-00 Swivel Assembly replaces Piper P/Ns 70371-00 or 70371-800. This full assembly includes the -002 fitting, the -003 stud, as well as AN320-3 castle shear nut, MS24665-132 cotter pin, and two special sized Piper specific washers.
- Different stud lengths and swivel fitting sizes offered!


Swivel Assembly


Swivel Fitting & Stud

Aircraft	Serial Number	Part Number	Location: Aft Hydraulics	Airbox Installation	Baggage Door Assembly	Cabin Door Assembly	Cabin Heat	Cabin Pressure Control	Cabin Vent	Carb Heat and Mix Control	Cowl Flap Control	Engine Control	Fuel Control	Fuselage Press. Air Supply	Hand Brake	Heat and Defrost	Hopper Installation	Turbocharger	Ventilation	Windshield Defroster
J-3	All	MC70371-00											•							
		MC70371-002											•							
		MC70371-003											•							
J3 (Canadian), J3 (Converted TG-8 Glider), J3C-40, J3C-50, J3C-50S, J3C-65 (Army L-4,L-4A,B,H,J, Navy NE-1,2), J3C-65S, J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D), J3F-65S, J3L, J3L-65 (Army L04C), J3L-65S, J3L-S, J3P	All	MC70371-002											•							
		MC70371-003											•							
J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C	All	MC70371-00											•							
		MC70371-002											•							
		MC70371-003											•							
PA-12	All	MC70371-00										•								
		MC91193-00										•								
PA-12S	All	MC91193-00										•								
PA-14	All	MC70371-00					•													
		MC70371-002					•													
		MC70371-003					•			•										
		MC91193-00								•		•								

Eligibility continued on next page

Wire Clamps, Swivel Fittings and Studs (Bug Nuts)

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Swivel Assembly


Swivel Fitting & Stud

Aircraft	Serial Number	Part Number	Location																	
			Aft Hydraulics	Airbox Installation	Baggage Door Assembly	Cabin Door Assembly	Cabin Heat	Cabin Pressure Control	Cabin Vent	Carb Heat and Mix Control	Cowl Flap Control	Engine Control	Fuel Control	Fuselage Press. Air Supply	Hand Brake	Heat and Defrost	Hopper Installation	Turbocharger	Ventilation	Windshield Defroster
PA-15	All	MC70371-003								•										
		MC91193-00											•							
PA-17	All	MC91193-00											•							
PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150"	All	MC70371-002		•								•								
		MC70371-003		•								•					•			
		MC91193-00										•								
PA-18A, PA-18A "135", PA-18A "150", PA-18AS "125", PA-18AS "135", PA-18AS "150"	All	MC70371-002		•								•					•			
		MC70371-003		•								•					•			
		MC91193-00										•								
PA-18S, PA-18S "105" (Special), PA-18S "125", PA- 18S "135", PA-18S "150"	All	MC70371-002		•								•								
		MC70371-003		•								•					•			
		MC91193-00										•								
PA-19 (Army L-18C), PA-19S	All	MC70371-002		•								•								
		MC70371-003		•								•					•			
		MC91193-00										•								
PA-20, PA-20 "115", PA-20 "135", PA-20S, PA-20S "115", PA-20S "135"	All	MC70371-00										•								
		MC91193-00										•								
PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-22S-135, PA-22S-150, PA-22S-160	All	MC70371-00										•								
		MC70371-002										•								
		MC70371-003										•								
		MC91193-00										•								
PA-23, PA-23-160	All	MC70371-00							•							•				
		MC91193-00			•	•						•								
PA-23-235, PA-23-250 (Navy UO-1), PA-E23-250	All	MC70371-00														•				
	27-0001 thru 27-2222	MC91193-00			•	•														
	27-2223 thru 27-7954089				•	•							•							
PA-24, PA-24-250, PA-24-260, PA-24-400	All	MC70371-00					•													
		MC70371-002					•					•				•		•		
		MC70371-003					•					•				•		•		
		MC91193-00					•					•								
PA-28-140, PA-28-150, PA-28-160, PA-28-180	All	MC70371-00					•													
		MC70371-002					•		•			•								
		MC70371-003					•		•			•								
		MC91193-00					•					•								
PA-28-151	All	MC70371-002					•		•											
		MC70371-003					•													
		MC70371-005										•								
		MC70371-006										•								
PA-28-161	All	MC70371-002					•		•											
	2816001 thru 2816119	MC70371-003					•													
		MC70371-005										•								
		MC70371-006										•								
	2841001 thru 2842999	MC70371-003					•		•											
		MC70371-005										•								
		MC70371-006										•								
	28-7716001 thru 28-8616057	MC70371-003					•													
		MC70371-005										•								
		MC70371-006										•								
PA-28-181	2843001 thru 2843999	MC70371-002					•					•								
		MC70371-003					•					•								

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Wire Clamps, Swivel Fittings and Studs (Bug Nuts)

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Swivel Assembly


Swivel Fitting & Stud

Aircraft	Serial Number	Part Number	Location: Aft Hydraulics	Airbox Installation	Baggage Door Assembly	Cabin Door Assembly	Cabin Heat	Cabin Pressure Control	Cabin Vent	Carb Heat and Mix Control	Cowl Flap Control	Engine Control	Fuel Control	Fuselage Press. Air Supply	Hand Brake	Heat and Defrost	Hopper Installation	Turbocharger	Ventilation	Windshield Defroster
PA-28-181	2890001 thru 2890231, 28-7690001 thru 28-8690062	MC70371-002					•					•							•	
		MC70371-003					•					•							•	
PA-28R-180, PA-28R-200, PA-28S-160, PA-28S-180	All	MC70371-00					•													
		MC70371-002					•		•			•								
		MC70371-003					•		•			•								
		MC91193-00					•					•								
PA-28-201T	All	MC70371-002										•				•			•	
		MC70371-003										•				•			•	
PA-28R-201, PA28R-201T, PA-28RT-201, PA-28RT-201T	All	MC70371-002										•							•	
		MC70371-003										•				•			•	
		MC91193-00										•				•				
PA-28-235	All	MC70371-00					•													
		MC70371-002					•		•			•								
		MC70371-003					•		•			•								
		MC91193-00					•					•								
PA-28-236	All	MC70371-002					•												•	
		MC70371-003					•												•	
PA-30	All	MC70371-002														•			•	
		MC70371-003										•				•			•	
PA-31, PA-31-300, PA-31-325	All	MC70371-00											•							
		MC70371-002							•			•			•	•			•	
		MC70371-003										•				•			•	
	31-2 thru 31-4	MC91193-00									•	•								
	31-5 thru 31-7912023										•	•	•							
	31-7912024 thru 31-8312019										•	•								
PA-31-350	All	MC70371-002							•			•			•	•			•	
		MC70371-003										•				•			•	
	31-5001 thru 31-7305016	MC91193-00									•	•								
	31-7305017 thru 553002										•									
PA-31P	All	MC70371-00												•						
		MC70371-002													•					•
		MC70371-003						•												•
		MC70371-005											•							
	31P-1 thru 31P-2	MC91193-00											•							
	31P-3 thru 31P-7730003							•												
	31P-7730004 thru 31P-7730012												•							
PA-31P-350	All	MC70371-00												•						
		MC91193-00									•									
PA-31T	All	MC70371-00												•						
		MC70371-002							•						•					•
		MC70371-003						•	•											•
	31T-7400002 thru 31T-7720069	MC91193-00						•												
PA-31T1, PA-31T2	All	MC70371-00												•						
		MC70371-002							•						•					•
		MC70371-003						•	•											•
PA-32-260	All	MC70371-002					•					•			•					
		MC70371-003					•					•			•					
		MC91193-00										•								
PA-32-300	All	MC70371-002					•					•			•					
		MC70371-003					•					•			•					
PA-32-301, PA-32-301T	All	MC70371-002					•		•			•								
		MC70371-003					•		•			•								
PA-32-301FT, PA-32-301XTC	All	MC70371-002					•		•			•								
		MC70371-003					•		•			•								

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Wire Clamps, Swivel Fittings and Studs (Bug Nuts)

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Swivel Assembly


Swivel Fitting & Stud

Aircraft	Serial Number	Part Number	Location																		
			Aft Hydraulics	Airbox Installation	Baggage Door Assembly	Cabin Door Assembly	Cabin Heat	Cabin Pressure Control	Cabin Vent	Carb Heat and Mix Control	Cowl Flap Control	Engine Control	Fuel Control	Fuselage Press. Air Supply	Hand Brake	Heat and Defrost	Hopper Installation	TTurbocharger	Ventilation	Windshield Defroster
PA-32R-300	All	MC70371-002					●					●			●						
		MC70371-003					●					●			●						
PA-32R-301, PA-32R-301T	All	MC70371-002					●		●			●									
		MC70371-003					●		●			●									
PA-32RT-300, PA-32RT-300T	All	MC70371-002					●		●			●									
		MC70371-003					●		●			●									
PA-32S-300	All	MC70371-002					●					●			●						
		MC70371-003					●					●			●						
PA-34-200	All	MC70371-002					●		●							●					
		MC70371-003					●		●												
PA-34-200T	All	MC70371-002							●							●					
		MC70371-003							●							●					
PA-34-220T	All	MC70371-002							●						●	●					
		MC70371-003							●						●	●					
PA-36-285, PA-36-300, PA-36-375	All	MC70371-002																	●		
		MC70371-003																	●		
PA-38-112	All	MC70371-002					●					●									
		MC70371-003					●					●									
PA-39	All	MC70371-002														●			●		
		MC70371-003										●				●			●		
PA-42, PA-42-1000	All	MC70371-002							●						●						
		MC70371-003							●												
PA-42-720, PA-42-720R	All	MC70371-002							●						●						
		MC70371-003							●												
PA-44-180	All	MC70371-002													●	●			●		
		MC70371-003													●	●					
PA-46-310P	All	MC70371-002	●				●					●			●						
		MC70371-003	●				●					●			●						
		MC70371-005										●									
		MC70371-006										●									
PA-46-350P (w/G1000)	All	MC70371-002							●						●						
		MC70371-003							●						●						
		MC70371-005										●									
		MC70371-006										●									
PA-46-350P (w/o G1000)	4622001 thru 4622200	MC70371-002	●				●					●			●						
		MC70371-003	●				●					●			●						
		MC70371-005										●									
		MC70371-006										●									
	4636001 thru 4636999	MC70371-002							●						●						
		MC70371-003							●						●						
		MC70371-005										●									
		MC70371-006										●									
PA-46-500TP (w/G1000)	All	MC70371-002							●						●						
		MC70371-003							●						●						
PA-46-500TP (w/o G1000)	All	MC70371-002							●						●						
		MC70371-003							●						●						
PA-46R-350T (w/G1000)	All	MC70371-002							●						●						
		MC70371-003							●						●						
		MC70371-005										●									
		MC70371-006										●									
PA-46R-350T (w/o G1000)	All	MC70371-002							●						●						
		MC70371-003							●						●						
		MC70371-005										●									
		MC70371-006										●									

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Throttle, Propeller and Mixture Controls for Beech Bonanza Aircraft

- All metal construction
- Pilot friendly knobs
- Lifetime lubrication
- Superior low friction conduit
- Includes ICA with improved inspection procedures



Vernier-Assist™ Throttle Controls

Precision Control

New roller action vernier provides smooth jam-proof coarse and fine adjustment



- Jam-proof safety
- Precision power adjustments
- Smooth friction control
- Light and compact
- Standard vernier action, without the button!

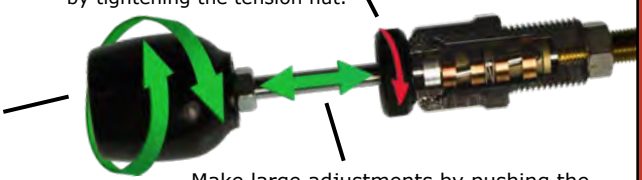
Fine adjustments are made by rotating the knob clockwise or counterclockwise. The McFarlane ***Vernier-Assist***™ throttle control uses a patented roller action and does not use a positive lock thread engagement. For extreme conduit routing or heavy carburetor load installations, slight inward or outward assist pressure could be required during rotation.

Copy of ICA, clamps, and seals provided with each control!

New MCVA Throttle Series

Vernier and friction lock - The best of both!

Tension and vernier action is increased by tightening the tension nut.



Make large adjustments by pushing the knob inwards or pulling the knob outwards.

Patent No. 8,485,057 B1

Model	Serial Number	Throttle	Propeller	Mixture
19A, M19A, B19,23, A23-19, B23	All	N/A	N/A	MC600-120
35-C33	CD-964 thru CD-1118	MC35-944046-7[1]	MC35-944048-7	N/A
35-C33A	All	MC35-944046-7[1]	MC35-944048-7	MC35-944054-7
E33	All	MC35-944046-7[1]	MC35-944048-7	N/A
E33A, E33C, F33, F33A, F33C, G33	All	MC35-944046-7[1]	MC35-944048-7	MC35-944054-7
35, A35, B35, C35, D35, E35, F35, G35	All	N/A	N/A	MC600-72
H35	All	N/A	N/A	MC35-944054-9
J35, K35, M35	All	N/A	MC35-944048-1	MC35-944054-9
N35	All	N/A	MC35-944048-1	
P35,S35, V35, V35A, V35A-TC	All	MC35-944046-7[1]	MC35-944048-1	MC35-944054-7
V35B, V35B-TC	All	MC35-944046-7[1]	MC35-944048-7	MC35-944054-7
V35TC	All	MC35-944046-7[1]	MC35-944048-1	MC35-944054-7
36, A36	E-1 thru E-1945, E-1947 thru E-2103, E-2105 thru E-2110	MC35-944046-7[1]	MC35-944048-7	MC35-944054-7
	E-1946, E-2104, E-2111 and on	MC36-380084-3	MC36-380084-7	MC36-380084-5
A36TC, B36TC	EA-1 thru EA-319, EA-321 thru 388	MC35-944046-7[1]	MC35-944048-7	MC35-944054-9
	EA-320, EA-389 thru EA-439	MC36-380084-3	MC36-380084-7	N/A
G36	All	MC36-380084-3	MC36-380084-7	MC36-380084-5

Notes:

[1] To order ***Vernier-Assist***™ throttle controls change "MC" prefix to "MCVA" prefix

Push-Pull Control Wrench Set

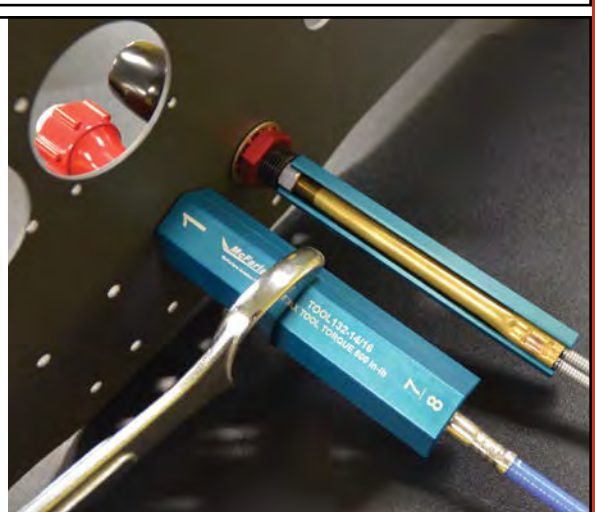
P/N TOOL132

Installs and removes push-pull control nuts behind the panel

- Works with all controls — six nut sizes!
- 5 1/2" length reaches hard to access nuts
- Slot allows access to nut on installed control
- Wrench anywhere on the external hex
- Lightweight aluminum is easy to handle when using overhead
- Many other uses (brake/fuel/vent/hydraulic lines, etc.)



Includes case!



Part Number	Description
TOOL132	Contains one of each wrench
TOOL132-8/9	1/2" and 9/16"
TOOL132-11/12	11/16" and 3/4"
TOOL132-14/16	7/8" and 1" wrench

Throttle, Propeller and Mixture Controls for Beech Baron Aircraft

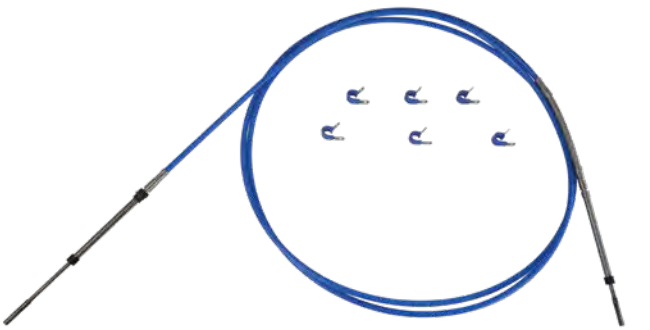
Now offering approved controls for your Baron!

All of our Baron engine controls feature McFarlane's time proven control design, which is *preferred by pilots around the world*.

- Low-friction Teflon™ lined conduit
- Vibration dampened
- Built to outlast original controls
- Tested to -50° F
- Save $$$ without compromising quality or safety
- All controls include mounting clamps and ICA documents for a seamless installation



Most dependable and durable in the industry!



P/N MC50-389012-29



Aircraft	S/N	Throttle		Propeller		Mixture	
		LH	RH	LH	RH	LH	RH
58 [1] 58A [2]	TH-1388	MC50-389012-23	MC50-389012-29	MC50-389010-33 [1] MC50-389012-23 [2]	MC50-389010-23	MC50-389012-29	MC50-389012-23
	TH-1389	MC102-389010-47	MC102-389010-47	MC102-389010-47	MC102-389010-49	MC102-389010-47	MC102-389010-47
	TH-1390 thru TH-1395	MC50-389012-23	MC50-389012-29	MC50-389010-33 [1] MC50-389012-23 [2]	MC50-389010-23	MC50-389012-29	MC50-389012-23
	TH-1396	MC102-389010-47	MC102-389010-47	MC102-389010-47	MC102-389010-49	MC102-389010-47	MC102-389010-47
	TH-1630	MC102-389010-47	N/A	N/A	N/A	N/A	MC102-389010-47
95-B55, 95-B55A	TC-1608 thru TC-2456	MC50-389012-15	MC50-389012-15	MC50-389010-29	MC50-389010-27	MC50-389010-19	MC50-389010-21
E55, E55A	All	N/A	MC50-389012-19	MC50-389010-23	N/A	MC50-389012-19	MC50-389012-25
56TC	TG-2 thru TG-83	N/A	N/A	MC50-389010-25	N/A	MC50-389012-21	MC50-389012-21
A56TC	TG-84 thru TG-94	N/A	N/A	MC50-389010-25	N/A	MC50-389012-25	MC50-389012-25
95-C55, 95-A55	TC-350, TC-380 thru TC-501	MC50-389012-15	MC50-389012-15	MC50-389010-29	MC50-389010-27	MC50-389010-19	MC50-389010-21
D55,E55	TE-452 thru TE-627, TE-638 thru TE-937, TE-939 thru TE-942	MC50-389012-19	MC50-389012-19	MC50-389010-23	MC50-389010-25	MC50-389012-19	MC50-389012-25
95-55, 95-B55, 95-B55A	All	MC50-389012-15	MC50-389012-15	MC50-389010-29	MC50-389010-27	MC50-389010-19	MC50-389010-21
95-C55, 95-C55A	TE-1 thru TE-451 (except TE-50)	MC50-389012-19	MC50-389012-19	MC50-389010-23	MC50-389010-25	MC50-389012-19	MC50-389012-25
	TC-350	MC50-389012-15	MC50-389012-15	MC50-389010-29	MC50-389010-27	MC50-389010-19	MC50-389010-21
D55A	TE-452 thru TE-627, TE-638 thru TE-767	MC50-389012-19	MC50-389012-19	MC50-389010-23	MC50-389010-25	MC50-389012-19	MC50-389012-25
E55A	TE-768 thru TE-942 (except TE-938)	MC50-389012-19	MC50-389012-19	MC50-389010-23	MC50-389010-25	MC50-389012-19	MC50-389012-25
58P	TJ-136 thru TJ-443 (except TJ-436)	N/A	N/A	N/A	MC102-389010-47	MC102-389010-13	MC102-389010-13
	TJ-3 thru TJ-135				MC102-389010-47	MC50-389012-19	MC50-389012-19
58TC	TK-90	N/A	N/A	N/A		MC50-389012-19	MC50-389012-19
	TK-91 thru TK-146				MC102-389010-47	MC102-389010-13	MC102-389010-13
	TK-148 thru TK-150					MC102-389010-13	MC102-389010-13
G58	All	MC102-389010-47	MC102-389010-47	MC102-389010-47	MC102-389010-49	MC102-389010-47	MC102-389010-47

Notes:

[1] Model 58 S/N 1388, 1390-1395, Prop LH is P/N MC50-389010-33,
[2] Model 58A S/N 1388, 1390-1395, Prop LH is P/N MC50-389012-23

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Throttle, Propeller, and Mixture Controls for Mooney Aircraft

- Solid Metal construction
- Pilot friendly knobs
- Lifetime lubrication
- Superior low friction conduit
- Controls featuring cutout for Microswitch comes with McFarlane FAA approved Dust Boot and ICA for control debris protection



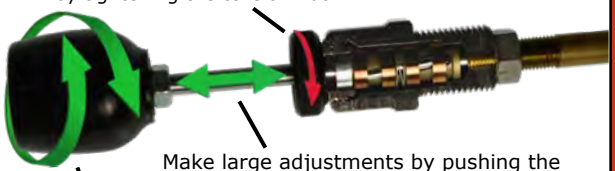
Vernier-Assist™ Throttle Controls

Precision control

- Jam-proof safety
- Precision power adjustments
- Smooth friction control
- Light and compact
- Standard vernier action, without the button!
- Microswitch Dust Boot and ICA included with microswitch cutout controls

New MCVA Throttle Series
Vernier and friction lock - The best of both!

Tension and vernier action is increased by tightening the tension nut.



Make large adjustments by pushing the knob inwards or pulling the knob outwards.

Make fine adjustments by rotating the knob clockwise or counterclockwise. Our ***Vernier-Assist***™ throttle control uses a patented roller action and does not use a positive lock thread engagement. For extreme conduit routing or heavy carburetor load installations, slight inward or outward assist pressure could be required during rotation.

Patent No. 8,485,057 B1

Ram Air Controls

FAA-PMA approved!

- High temperature Teflon lined conduit
- Push-pull design
- Direct cable connection between control knob and ram air flaps
- Comes with McFarlane FAA approved Microswitch Dust Boot and ICA for control debris protection

Model	Serial Number	Throttle Control	Propeller Control	Mixture Control	Ram Air
M20C	20-0001 thru 20-0009	MC660166-009 1	MC660166-003 1	N/A	N/A
	20-0011 thru 20-0046				
	20-0047 thru 20-1258		N/A		
	2807 thru 670149	MC660190-003 2 4 6	N/A		
	680001 thru 680198	N/A	MC660166-003 1		
			MC660189-005 3		
	690001 thru 690098	MC660166-009 1	N/A		
	700001 thru 700091		MC660166-003 1		
M20D	252 thru 260	MC660190-003 2 4 6	N/A	N/A	N/A
M20E	21-0001 thru 21-0037	MC660166-007 1	MC660166-003 1	MC660166-005 1	MC640257-017 5 6
	21-0039 thru 21-0060				
	21-0061 thru 21-1180		N/A		
	470 thru 1308	MC660190-005 2 4 6	MC660189-005 3	MC660189-003 3	N/A
	690001 thru 700061	MC660166-007 1	MC660166-003 1	MC660166-005 1	MC640257-017 5 6
M20F	22-0001 thru 22-0078	N/A	MC660166-003 1	MC660166-005 1	N/A
	22-0079 thru 22-1178		N/A		
	22-1179 thru 22-1439	MC660166-007 1			MC640257-017 5 6
	660002 thru 680206	MC660190-005 2 4 6	MC660189-005 3	MC660189-003 3	N/A
	680001 thru 700072	MC660166-007 1	MC660166-003 1	MC660166-005 1	MC640257-017 5 6
M20G	680001 thru 680164	MC660190-003 2 4 6	MC660189-005 3	N/A	N/A
	690001 thru 700006	MC660166-009 1			
M20J	24-0002 thru 24-0037	MC660166-007 1	MC660166-003 1	MC660166-005 1	MC640257-017 5 6
	24-0378 thru 24-3431	MC660226-001 2 4 6	MC660226-003 3	MC660226-005 3	N/A
M20K	25-0001 thru 25-0841	MC660226-007 2 4 6	MC660226-009 3	MC660226-011 3	N/A
	25-0842 thru 25-0999	MC660226-013 2 4 6			
	25-1000 thru 25-1066	MC660226-015 2 4 6			
	25-1067 thru 25-2032	MC660226-017 2 4			
M20M	27-0001 thru 27-0355	MC660226-019 2 4 6	MC660226-023 3	MC660226-025 3	N/A
M20R M20S M20TN	29-0001 thru 29-0525, 30-0001 thru 30-0065, 31-0001 thru 31-143	MC660226-027 2 4 6	MC660226-023 3	MC660226-005 3	N/A
M20U M20V	32-0001 and On 33-0001 and On	MC660226-027 2 4 6	MC660226-029 3	MC660226-005 3	N/A

Notes:
1 Quadrant control style
2 Friction Lock control style
3 Vernier control style
4 To order ***Vernier-Assist***™ throttle controls change "MC" prefix to "MCVA" prefix.
5 Push-Pull control style
6 Contains Microswitch cut out, comes with Microswitch Dust Boot and ICA

Solid Wire Vernier Mixture Control for Beechcraft, Mooney, Maule, and Stinson Aircraft



- FAA-PMA approved, high quality McFarlane manufacture
- Precise mixture control for less than the original replacement part
- Extra long — trim to exact length

Make	Model	S/N	P/N
Raytheon(Beech)	19A, M19A, B19,23, A23-19, B23	All	MC600-120
Raytheon(Beech)	35, A35, B35, C35, D35, E35, F35, G35, H35	All	MC600-72
Mooney	M20, M20A, M20B, M20C, M20D	All	MC600-72
Maule	Bee Dee M-4, M4, M-4C, M-4S, M-4T	All[1]	MC600-72
Maule	M-4-220, M-4-220-C, M-4-220S	All[1]	MC600-72
Maule	M-4-220T, M-4-180C, M-4-180S, M-4-180T	All[1]	MC600-72
Maule	M-5-180C, M-5-220T, M-5-235C	All[1]	MC600-72
Maule	M-5-210TC, M-6-180, M-6-235, MX-7-160	All[1]	MC600-72
Maule	MXT-7-160, MX-7-180, MX-7-180A	All[1]	MC600-72
Maule	MXT-7-180, MXT-7-180A, MX-7-180B	All[1]	MC600-72
Maule	MX-7-180C, M-7-235, MX-7-235	All[1]	MC600-72
Maule	MX-7-235A, MX-7-235B, MX-7-235C, M-8-235	All[1]	MC600-72
Univair(Stinson)	108, 108-1, 108-2, 108-3, 108-5	All	MC600-72

[1] With a carbureted engine

Drill Step

P/N 44460

Easily enlarge the mounting hole on your instrument panel for your MC600 series control!

- Enlarges holes to ¾" diameter to fit MC600 series controls
- TIN coated

NEW



Don't forget your clamps and bolts!

We have FAA-PMA on Piper, Cessna, Beechcraft, and more

Throttle Controls for Grumman Aircraft

FAA-PMA approved

- Longer conduit terminal to allow extra clearance between the swivel joint and the air filter box at the clamp location
- Thread length has been tailored to allow full adjustment of the Grumman swivel assembly
- Push rod length has been tailored to ensure that McFarlane throttle controls duplicate the original controls in fit and function

Model	Serial Number	Part Number
AA-1	AA1-0433 and on	MC507005-1 [1]
AA-1A	AA1A-0001 and on	MC507005-1 [1]
AA-1B	AA1B-0001 and on	MC507005-1 [1]
AA-1C	AA1B-0601	MC507005-1 [1]
AA-1C	AA1C-0001 and on	MC507005-1 [1]
AA-5	AA5-0001 and on	MC507005-2 [1]
AA-5A	AA5A-0283 and on	MC507005-2 [1]
AA-5B	AA5B-0001 and on	MC507005-3

[1] To order ***Vernier-Assist***™ throttle controls change "MC" prefix to "MCVA" prefix

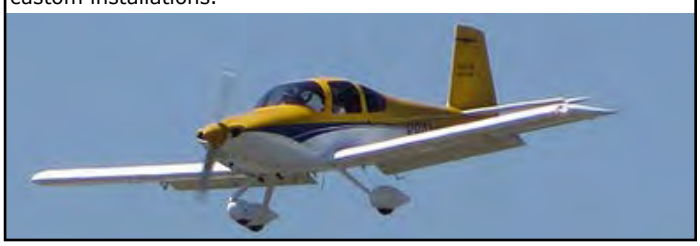


Engine Controls for Van's RV Series Aircraft

- Quick delivery, no long lead times
- High quality and affordable
- Lifetime lubrication
- Non certified, designed for listed aircraft models only
- See page 342 for APS brake discs and linings

Model	Throttle	Vernier-Assist Throttle	Mixture	Propeller
RV-10	MCRV10-T	MCRV10-TV	MCRV10-M	MCRV10-P
RV-12		MCRV12-TV		

Controls designed to work with Van's firewall forward kit. Call for custom installations.



Engine Controls for Bellanca Viking Aircraft

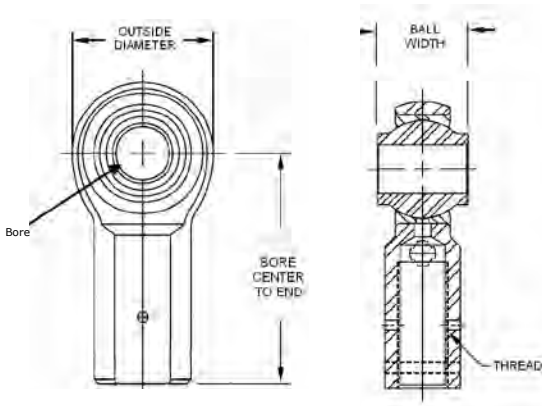
FAA-PMA approved

Model	Serial Number	Throttle	Propeller	Mixture
17-30A	30263 and on, and aircraft with S/N prefix "75-"	MCS191783-18 [1]	MCS191783-1	MCS191783-16
17-31A	73-32-128 and on, and aircraft with S/N prefix "75-"	MCS191783-18 [1]	MCS191783-1	MCS191783-17
17-31ATC	73-31067 and on, and aircraft with S/N prefix "75-"	MCS191783-18 [1]	MCS191783-1	MCS191783-17

[1] To order ***Vernier-Assist***™ throttle controls change "MC" prefix to "MCVA" prefix

Rod Ends for Experimental Aircraft

Not for use on certified aircraft.
Not FAA-PMA approved.
We have FAA-PMA approved Rod Ends for Cessna, Piper, and Beech aircraft.



Manufactured by Aurora Bearing

P/N	Bore (in)	O.D. (in)	Bore Center to End (in)	Ball Width (in)	Thread (in)	Thread Type	Ultimate Static Load (lbs)
MW-3M-500	0.190	0.625	1.062	0.312	10-32	Internal	1,531
GMW-3M-470	0.190	0.750	1.375	0.437	1/4-28	Internal	2,881
GMW-4M-470	0.250	0.812	1.375	0.437	1/4-28	Internal	2,950
MM-3M-500	0.190	0.625	1.250	0.312	10-32	External	1,169

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Universal Light-Weight Controls

- For use in non-certified aircraft applications such as carb heat, cabin heat, cabin air, and defrost
- Keyed shaft prevents rotation and maintains knob alignment
- High quality brass and aluminum construction
- Teflon lined conduit for smooth, consistent control
  (low-quality controls with poly liners will not tolerate engine temperatures)
- Many knob styles available or provide your own knob with 10-32 thread
  -Knobs are not included with the control, see pages 60-63 for knob choices
- Available in 4,6,8,10 and 12 ft and custom lengths - Wire end - Easily trimmed to length
  -Measured from panel fitting to end of conduit, wires extend at least 3" beyond conduit
- Available with optional creep resistant feature to prevent creep due to engine vibration



Standard Control: *P/N MCU124-**LLL** (**LLL** = length in inches)*
Control with creep resistant feature: *P/N MCU224-**LLL** (**LLL** = length in inches)*

Specifications:
- Travel (stroke): 3.75” maximum*
- Conduit: 0.188 inch OD Teflon lined
- Max Work Loads: Pull: ~10 lbs; Push: ~5 lbs**
- Operating Temp: -65 to 450°F
- Inner Wire: 0.061 inch solid wire
- Screw thread for knob attachment: 10-32 X .3
- Screw thread for instrument panel: 3/8-24 X .5



*Installer must ensure maximum travel is not exceeded during installation and rigging of the control.
*Maximum push load with 3-1/2” of wire extending from the conduit. Push loads depend on wire diameter, length of wire not supported by conduit, geometry of the rigging and the actuator configuration.

Turn-to-Lock Controls

Perfect for homebuilt or custom projects!
These versatile controls are ideal for many applications. They feature a turn-to-lock mechanism that requires a quarter turn of the knob to lock or unlock the control.



- Quality stainless steel construction
- High temperature Teflon lined conduit for smooth, consistent control
  (low-quality controls with poly liners will not tolerate engine temperatures)
- Wire end - may be trimmed to length
- Not for use on certified aircraft, flight controls or flight control trim tabs

Dual twisted wire ends: *P/N MCTL1014D**LLL**-**K** (**LLL** = length in inches, **K** = Knob style)*
- 1/16” diameter 7X7 stainless steel
- ~ 30 lbs minimum locking force
- Includes two adjustable barrel stops to attach to Rotax choke arms
- Available in 4, 6, 8 and 12 ft lengths

Dual solid wire ends: *P/N MCTL2254D072-**K** (**K** = Knob style)*
- 0.071” diameter music wire
- ~ 55 lbs minimum locking force
- 6 foot length

Single twisted wire end: *P/N MCTL1034-072-**K** (**K** = Knob style)*
- 1/16” diameter 1X7 stainless steel
- ~ 30 lbs minimum locking force
- 6 foot length

Single solid wire end: *P/N MCTL2254-072-**K** (**K** = Knob style)*
- 0.071” diameter music wire
- ~ 55 lbs minimum locking force
- 6 foot length

Call us with your custom requirements!
Custom Department: 866-920-2741 ext. 289

Specifications:
- Travel (stroke): 4.0” maximum
- Conduit (dual wire controls): 0.188 in OD Teflon lined
- Conduit (single wire controls): 0.25 in OD Teflon lined, Teflon jacket
- Max Work Loads: Pull: ~25 lbs; Push: ~10 lbs*
- Operating Temp: -65 to 450°F (knob/housing assembly: -65 to 250°F)
- Panel Fitting: 1/2-20 UNF thread

* Push loads apply to controls with solid wire only and depend on wire diameter, length of wire not supported by conduit, geometry of wire rigging, and the actuator configuration.



MCTL1014D MCTL2254D series **MCTL1034 MCTL2254 series**

Knob Style Suffix (-K)	Knob Style
-B	Ball
-F	Fluted
-P	4-Prong
-T	Shortened T-Handle
-FA	Fluted, engraved "Airbox Lock"
-FH	Fluted, engraved "Cabin Heat Lock"
-FL	Fluted, engraved "Lock"
-PL	4-Prong, engraved "Lock"
-TC	T-Handle, engraved "Choke Lock"
-TL	T-Handle, engraved "Lock"
	No knob

Push-to-unlock Controls

Perfect for home built or custom projects!

- Quality stainless steel construction with bright powder coated aluminum knobs
- High temperature Teflon lined conduit for smooth, consistent control (low-quality controls with poly liners will not tolerate engine temperatures)
- Heavy duty strength and long life
- Not for use on certified aircraft, flight controls or flight control trim tabs

Custom laser marking of the knobs is available!
Call for details.



Clean and Durable!

Round knob with solid wire end (MC6150 series):
Order P/N MC6150-071**XXLLL** where **XX** is the knob color code and **LLL** is the length in inches

- Red, black, blue, clear (silver), or Chrome plated bronze (designed to match vintage controls)
- Available in 4, 6, 8, 10, 12 foot and custom lengths
- May be trimmed to length

Square knob with solid wire end (MC6160 series):
Order P/N MC6160-071**XXLLL** where **XX** is the knob color code and **LLL** is the length in inches

- Square black knob with a black or clear (silver) push-button
- Available in 6, 8, 12 foot and custom lengths
- May be trimmed to length
- Ideal for carburetor heat or alternate air

Round knob with 10-32 threaded push rod end (MC6250 series):
Order P/N MC6250-**XXLLL** where **XX** is the knob color code and **LLL** is the length in inches

- Red, black, blue and clear (silver)
- Available in 4, 5, 6, 7, 8, 9, 10 foot and custom lengths

Round knob with dual solid wire ends (MC6350 series):
Order P/N MC6350-**XXLLL** where **XX** is the knob color code and **LLL** is the length in inches

- Red, black, blue and clear (silver)
- Available in 4, 6, 8, 12 foot and custom lengths
- May be trimmed to length

Knob Color Codes	
Code	**Description**
BB	Black powder coated aluminum
RR	Red powder coated aluminum
LL	Blue powder coated aluminum
CC	Clear (Silver) anodized aluminum
CB	Black powder coated aluminum with Clear (Silver) push button
HH	Chrome plated brass knob



MC6150 series **MC6160 series** **MC6250 series** **MC6350 series**

Vintage Chrome also available!



Specifications:

- Travel (stroke): 3” minimum
- Conduit (dual wire): 0.188 inch OD, .071 inch ID (Inner Wire) Teflon lined wound conduit
- Conduit (single wire): 0.24 inch OD, .071 inch ID (Inner Wire) Teflon lined wound conduit with a Teflon jacket
- Max Work Loads: Pull: ~25 lbs; Push: ~10 lbs*
- Min Locking Force (measured at the knob): 15 lbs tensile, 10 lbs compression
- Operating Temp: -65° to 450° F (knob/housing assembly: -65° to 250° F)
- Panel Fitting: 7/16-20 thread

*Max push load for solid wire end designs is dependent on wire diameter, length of trimmed wire (unsupported by conduit), geometry of wire rigging, and the actuator configuration.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Vernier-Assist™ Throttle Controls

Precision Control

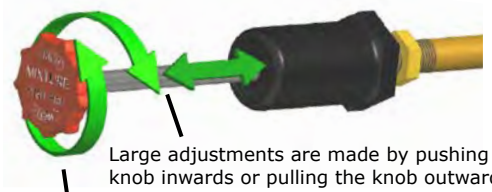
- Jam-proof safety
- Precision power adjustments
- Smooth friction control
- Light and compact
- Standard vernier action, but without the button!



Vernier-Assist™

Patent No. 8,485,057 B1

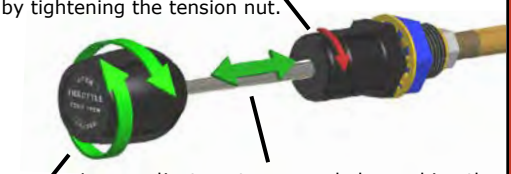
MCMV Mixture Series
Vernier action with only a 3/8" panel hole!



Large adjustments are made by pushing the knob inwards or pulling the knob outwards.

MCVA Throttle Series
Vernier and friction lock - The best of both!

Tension and vernier action is increased by tightening the tension nut.



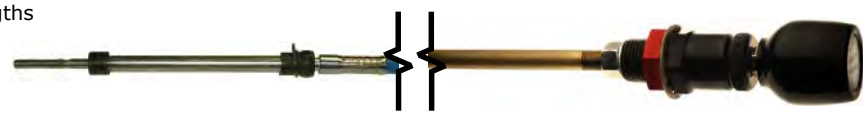
Large adjustments are made by pushing the knob inwards or pulling the knob outwards.

Make fine adjustments by rotating the knob clockwise or counterclockwise. Our ***Vernier-Assist***™ controls use a patented roller action and do not use a positive lock thread engagement. For extreme conduit routing or heavy carburetor load installations, slight inward or outward assist pressure could be required during rotation.

Throttle Control with 10-32 threaded end and 3.5" travel:

P/N *MCTV1035-**LLL*** with knob or *MCVA1035-20-**LLL*** without knob [1] *(**LLL** = length in inches)*

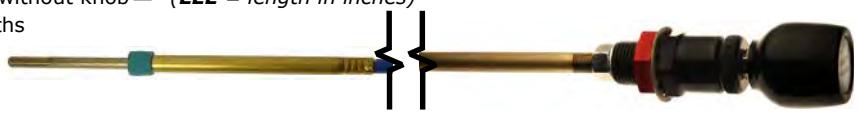
- Available in 3, 4, 5, 6, 7, 8 foot and custom lengths
- Vernier and friction lock
- Requires a 3 3/4" panel hole



Throttle Control with 1/4-28 threaded end and 3.5" travel:

P/N *MCTV2035-**LLL*** with knob or *MCVA2035-20-**LLL*** without knob [1] *(**LLL** = length in inches)*

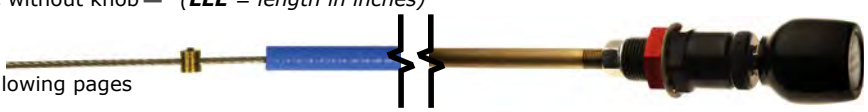
- Available in 3, 4, 5, 6, 7, 8 foot and custom lengths
- Vernier and friction lock
- Requires a 3/4" panel hole



Throttle Control with 5/64" diameter 1X7 twisted stainless wire end and 3.5" travel:

P/N *MCTV3035-**LLL*** with knob or *MCVA3035-20-**LLL*** without knob [1] *(**LLL** = length in inches)*

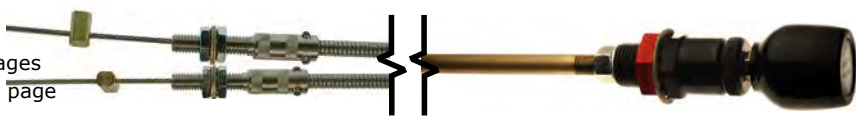
- Available in 4, 6, 8, 12 foot and custom lengths.
- Vernier and friction lock
- Includes P/N 6515 Barrel Stop Assembly, see following pages
- Requires a 3/4" panel hole



Dual Throttle Control with 1/16" diameter 1X7 twisted stainless wire ends and 3.5" travel:

P/N *MCTV0005D**LLL*** with knob or *MCVA0005-30D**LLL*** without knob [1] *(**LLL** = length in inches)*

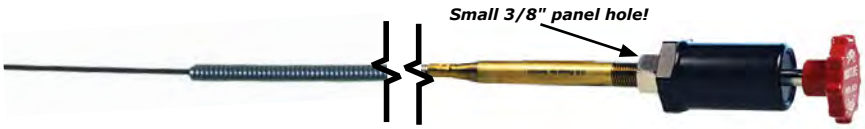
- Available in 4, 6, 8, 12 foot and custom lengths
- Vernier and friction lock
- Includes P/N 6408 Hardware Kit, see following pages
- Perfect for Rotax 912/914 engines! See following page
- Requires a 3/4" panel hole



Mixture Control with 0.061" diameter solid wire end and 3.5" travel:

P/N *MCMV0241-**LLL*** with knob or *MCVA0241-03-**LLL*** without knob [1] *(**LLL** = length in inches)*

- Available in 4, 6, and 10 foot lengths
- May be trimmed to length
- Compact behind the dash
- Requires a 3/8" panel hole
- Not recommended for use as a throttle control



Alternate knobs available

- All controls below are offered with or without a knob
- As a propeller control use knob P/N 6730
- See page 60 for complete list of 1/4-20 thread knobs





Vernier Assist Roller Pin P/N 6518
Now sold in six packs!

[1] Requires a knob with 1/4-20 thread. See pages 60-63 for available knob options.

Controls for Dual Carburetor 912/914 Series Rotax Engines

Allows a neat, clean installation without a clunky splitter box

- Quality metal construction
- High temperature Teflon lined conduit for smooth consistent control (Cheapy controls with poly liners will not tolerate engine temperatures)
- Available in 4, 6, 8 and 12 foot and custom lengths - Easily trimmed to length
- Manufactured to the same quality standards as McFarlane's FAA-PMA parts
- Not for use on certified aircraft, or for flight controls or flight control trim tabs



Throttle Controls for 912/914 Series Rotax Engines

- Includes throttle hardware kit P/N 6408 with lightweight throttle return springs (P/N 6822 and 7235) to prevent throttle creep *(see page 59)*
- Inner Wire: Heavy duty 0.062 inch diameter, flexible 1/16 1X7 stainless steel twisted wire
- Conduit: 0.188 inch OD Teflon lined for smooth consistent control
- Design work load: 10 lbs (pull only)
- Operating temp: -65 to 450°F

P/N 6408
Dual hardware throttle kit



Panel Mount: *P/N MCT100D**LLL** (**LLL** = length in inches. Add a "-B" for a ball knob)*

- Super smooth friction lock
- Travel (stroke): 3.75" max
- Typical locking force: 1 to 10 lbs (locking force dependent on friction lock engagement)
- Panel fitting: 1/2-20 UNF thread
- Control length is measured from panel fitting to end of conduit, wires extend 6 inches beyond conduit
- Two knob options (ball or standard barrel shape)



P/N EC03
Standard style knob



P/N EC53
Ball style knob



***Vernier-Assist*™ Panel Mount:**
*P/N MCTV0005D**LLL*** with knob or *MCVA0005-30D**LLL*** without knob[1] *(**LLL** = length in inches)*

- Travel (stroke): 3.5" max
- Typical locking force: 1 to 10 lbs (locking force dependent on friction lock engagement)
- Panel fitting: 3/4-16 UNF X 0.875 inch thread
- Control length is measured from panel fitting to end of conduit, wires extend 6 inches beyond conduit
- See page 57 for additional details

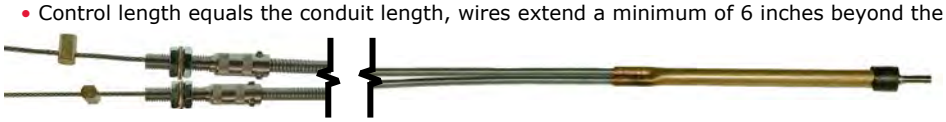


Vernier option without button! See page 57



Quadrant Style: *P/N MCQ100D**LLL** (**LLL** = length in inches)*

- Includes convenient dual conduit clamp P/N 6433-1 for simple quadrant mounting
- Viton boot to dampen vibration and seal out dust on the quadrant end
- Travel (stroke): 4" max
- Pushrod thread (quadrant end): 10-32 UNF X 0.65 inch thread
- Control length equals the conduit length, wires extend a minimum of 6 inches beyond the conduit





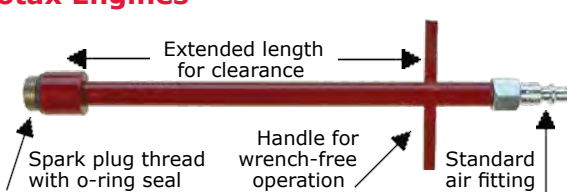
P/N 6433-1
Dual Conduit Clamp

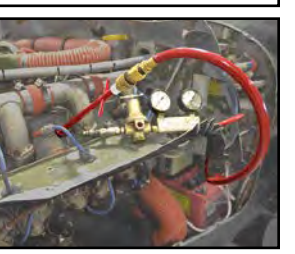
[1] Requires a knob with 1/4-20 thread. See page 60-63 for available knob options.

Compression Tester Extension for Rotax Engines

P/N EXTENSION CT12 (12mm thread)

- Wrench-free compression testing
- Allows for exhaust system and baffling clearance
- Makes compression testing easier

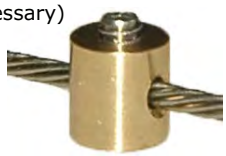




Manufactured by Baines Specialites LLC

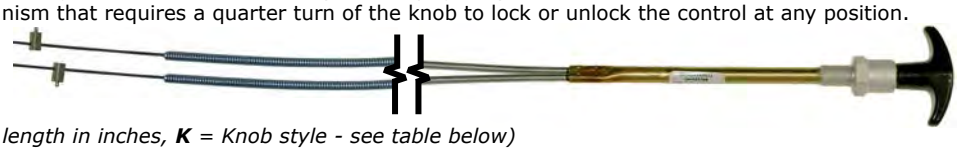
Choke Controls for 912/914 Series Rotax Engines

- Includes two adjustable barrel stops P/N 6515 to attach to the carb choke arms (no swaging or soldering necessary)
- Inner Wire: Heavy duty 0.062 inch diameter, flexible 1/16 7X7 stainless steel twisted wire
- Conduit: 0.188 inch OD Teflon lined for smooth consistent control
- Design work load: 25 lbs (pull only)
- Operating temp: -65 to 450°F (knob housing assembly: -65 to 250°F)
- Control length is measured from panel fitting to end of conduit, wires extend 6 inches beyond conduit


P/N 6515
Barrel Stop

Turn-to-Lock: *P/N MCTL1014D**LLL**-**K** (**LLL** = length in inches, **K** = Knob style - see page 55)*
These controls feature a turn-to-lock mechanism that requires a quarter turn of the knob to lock or unlock the control at any position.

- Travel (stroke): 4.0" max
- Minimum locking force ~30 lbs
- Panel fitting: 1/2-20 UNF thread



Non-Locking: *P/N MCC101D**LLL**-**K** (**LLL** = length in inches, **K** = Knob style - see table below)*
Internal elastomer seal to dampen vibration and provide a small amount of resistance. If your choke installation features a return spring, this control will return to the closed position when released.

- Travel (stroke): 3.5" max
- Panel fitting: 7/16-20 X 1.3" UNF thread



Knob Style Suffix (-K)	Knob Style
-RB	Round, Black
-RC	Round, Clear (silver)
-RL	Round, Blue
-RR	Round, Red
-RBC	Round, Black, engraved with "Choke"
-RCC	Round, Clear (silver), engraved with "Choke"
-RLC	Round, Blue, engraved with "Choke"
-RRC	Round, Red, engraved with "Choke"



Many knob styles available!

Throttle Return Springs

Stop throttle creep! Kit P/N 7140
A common complaint about the Rotax 912/914 engines is that the throttle return springs are too strong. We stock a variety of springs so you can choose the one that best fits your application. All of our Throttle Controls for Rotax engines contain P/N 7140. A new design limits potential contact with adjacent parts. Individual springs can also be purchased, see table. *For use on non-certified aircraft.*



Spring P/N	Relaxed Spring Length (max in)	Approx. Pre Load (lbf)	Spring Rate (lbf/in)
6822, Red, Left	1.6	1.5	2.1-2.7
7235, Blue, Right	1.6	1.5	2.1-2.7
Rotax Original	1.8 (approx.)	2.0	8-12 (approx.)

Throttle Hardware Kit for Rotax Engines

Dual Throttle Hardware Kit P/N 6408
Parts also available separately. For use on non-certified aircraft.

Slip Fit Conduit Terminal P/N 6271

- M6x1 x 1.00 inch thread for easy adjustment
- Three installation options — (1) Free Fitting: Slip on the conduit, (2) Semi-Permanent: Secure to conduit with provided set screws, (3) Permanent: Epoxy to conduit with set screws

Adjustable cable stops P/N 6270
Prevents damage to the carburetor from excessive pilot force at the idle-cutoff position. If needed, install cable stop assembly on control wire(s). Locate stop so that when carburetor is at full idle, the cable stop is against part number 6271 conduit terminal.

Alternate Carburetor Arm Return Spring P/N 6822 (Red, Left) and 7235 (Blue, Right)

- Less than half the strength of the original stock Rotax springs
- Prevents throttle "creep" due to excessive return spring force
- Requires 1 per carburetor (2 per engine)
- Installer must determine whether this spring is appropriate for their application.



Kit contains:
2 each 6271 Slip Fit Conduit Terminal Assemblies, 2 each 6270 Adjustable Cable Stop Assemblies
1 each 6822 (Red, Left) and 7235 (Blue, Right) Spring, 1 each Hex Wrench

Slip Fit Conduit Terminals

P/N 6271 (for 0.188" diameter conduit),
P/N 7002 (for 0.258" diameter conduit)
M6x1 x 1.00 inch thread for easy adjustment

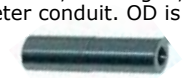


Three installation options:
(1) Free Fitting: Slip on the conduit
(2) Semi-Permanent: Secure to conduit with provided set screws
(3) Permanent: Epoxy to conduit with set screws

Conduit Terminal P/N 6424

May be used as a slip fit conduit terminal, or swaged, or epoxied onto the conduit. Fits 0.188" diameter conduit. OD is 0.25"

- 2 per control
- Stainless Steel



Barrel Stop Assembly P/N 6515

- Attach to the carburetor choke arm
- No swaging or soldering necessary
- Accepts 1/16" wire



MCTL1014D series Turn-to-Lock Choke Controls,
MCC101D series Non-Locking Choke Controls.

Conduit Clamps

Standard (AN742 Series)
MIL-SPEC standard clamps.

Extra Grip (6317 Series)
Similar to standard AN742 clamps, but include a detent groove for better grip on coiled wire conduit.

Cushioned CJ Type MIL-Spec (MS21919WCJ Series)
Adel clamps for high temp application. *(See page 122)*


AN742 Series


6317 Series


MS21919 Series

Part Number	Material	Approx. Conduit Diameter
6317-3	Steel	3/16"
6317-4	Steel	1/4"
6317D3	Aluminum	3/16"
6317D4	Aluminum	1/4"
AN742-3	Steel	3/16"
AN742-4	Steel	1/4"
AN742D3	Aluminum	3/16"
AN742D4	Aluminum	1/4"

McFarlane recommends using steel clamps near the engine or exhaust instead of aluminum clamps.

Replacement Knobs for McFarlane Controls

Photos on the following pages

Parts used on FAA-PMA approved controls are FAA-PMA approved. All other parts are non FAA-PMA approved.

Knobs:

P/N	Fig	Description	Thread	Color	Marking	Use Eligibility
1536A-B	1	T-Handle	10-32	Black		MCU series controls
1536A-C	2	T-Handle	10-32	Clear		MCU series controls
1536A-GN	3	T-Handle	10-32	Green		MCU series controls
1536A-L	4	T-Handle	10-32	Blue		MCU series controls
1536A-R	5	T-Handle	10-32	Red		MCU series controls
1536A-W	6	T-Handle	10-32	White		MCU series controls
1536A-Y	7	T-Handle	10-32	Yellow		MCU series controls
1536B-B	8	T-Handle	1/4-20	Black		MCTL series controls
1536B-C	9	T-Handle	1/4-20	Clear		MCTL series controls
1536B-GN	10	T-Handle	1/4-20	Green		MCTL series controls
1536B-L	11	T-Handle	1/4-20	Blue		MCTL series controls
1536B-R	12	T-Handle	1/4-20	Red		MCTL series controls
1536B-W	13	T-Handle	1/4-20	White		MCTL series controls
1536B-Y	14	T-Handle	1/4-20	Yellow		MCTL series controls
6277B[1]	15	Round powder coated aluminum	10-32	Black		MCC101D and MCU series controls
6277C[1]	16	Round anodized aluminum	10-32	Clear (silver)		MCC101D and MCU series controls
6277L[1]	17	Round powder coated aluminum	10-32	Blue		MCC101D and MCU series controls
6277R[1]	18	Round powder coated aluminum	10-32	Red		MCC101D and MCU series controls
6307-BK	19	Round powder coated aluminum	10-32	Black		MCU series controls
6307-RD	20	Round powder coated aluminum	10-32	Red		MCU series controls
6417	21	T-Handle	1/4-20	Black		MCTL series controls
6418	22	T-Handle	1/4-20	Black	"Lock" w/arrows	MCTL series controls
6427	23	4 Prong	1/4-20	Black		MCTL series controls
6428	24	4 Prong	1/4-20	Black	"Lock" w/arrows	MCTL series controls
6429	25	Fluted	1/4-20	Black		MCTL series controls
6430	26	Fluted	1/4-20	Black	"Lock" w/arrows	MCTL series controls
6432	27	Shortened T-Handle	1-4-20	Black		MCTL series controls
6489B[1]	28	Square powder coated aluminum	10-32	Black		MCU series controls
6489C[1]	29	Square anodized aluminum	10-32	Clear (silver)		MCU series controls
6489L[1]	30	Square powder coated aluminum	10-32	Blue		MCU series controls
6489R[1]	31	Square powder coated aluminum	10-32	Red		MCU series controls
6495-01B	32	Phenolic	10-32	Black		MCU series controls
6495-02B	33	Phenolic	10-32	Black		MCU series controls
6495-03B	34	Phenolic	10-32	Black		MCU series controls
6495-04B	35	Phenolic	10-32	Black		MCU series controls
6495-04R		Phenolic	10-32	Red		MCU series controls
6512B	36	Triangle powder coated aluminum	10-32	Black		MCU series controls
6512C	37	Triangle anodized aluminum	10-32	Clear (silver)		MCU series controls
6512L	38	Triangle powder coated aluminum	10-32	Blue		MCU series controls
6512R	39	Triangle powder coated aluminum	10-32	Red		MCU series controls
6570	40	Vernier-Assist Mixture	1/4-20	Red		Vernier-Assist Mixture series controls
6620	41	Vernier-Assist Throttle	1/4-20	Black		Vernier-Assist Throttle series controls
6660	42	T-Handle	1/4-20	Black	Choke Lock	MCTL series controls
6661	43	Fluted	1/4-20	Black	Cabin Heat Lock	MCTL series controls

[1] See Knob Options table below for Color and Marking Codes

Replacement Knobs continued on the next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Replacement Knobs continued

Photos on the following pages

Parts used on FAA-PMA approved controls are FAA-PMA approved. All other parts are non FAA-PMA approved.

Knobs:

P/N	Fig	Description	Thread	Color	Marking	Use Eligibility
6662	44	Fluted	1/4-20	Black	Airbox Lock	MCTL series controls
6730	45	Vernier-Assist Propeller	1/4-20	Blue		Vernier-Assist series controls
EC03	46	Black Knob	1/4-20	Black		Throttle controls
EC53	47	Black Ball Knob	1/4-20	Black		P/N MC12693-04 or MC455-139, MCT100D, MCTL and MCC101D series controls
EC125-1	48	2” Hemisphere	1/4-20	Black		
MC471-052	49	Round, Phenolic	10-32	Ivory		Piper Cabin Environment and Carb Heat Controls
MC471-053	50	Round, Phenolic	10-32	Red		Piper Mixture Controls
MC471-060	51	Round, Phenolic	10-32	Black		Piper Cabin Environment Controls
MC471-084	52	Round, Phenolic	10-32	Black		Piper Carb Heat Controls
MC571-131	53	Round, Phenolic	10-32	Clear (Silver)		Piper Cabin Environment and Carb Heat Controls
Knob Adapter	54	Adapts the McFarlane throttle control to the early hemisphere style knobs. Inner thread size is 1/4-20. Outer thread size is 1/4-28.				

1 See Knob Options table below for Color and Marking Codes

Knob Jam Nuts and Lock Washers	
Part Number	**Description**
EC33	1/4-20 Jam Nut
Use Eligibility: MCTL Series Throttle Controls using 1/4-20 threaded fittings (except P/Ns MC12693-04 & MC455-139)	
MS35650-304	10-32 Jam Nut
Use Eligibility: MCC101D series controls	
MS35333-40	1/4” Steel Lock Washer
Use Eligibility: MCTL and MCC101D Series Controls	
Decals	
6289	Carb Heat Decal
Use Eligibility: Piper Carb Heat Controls	



Custom engraved knobs are available
for a small additional fee. Call for details.



Knob Options
Marking Code
A - CABIN AIR only on 6277 series knobs (PULL ON)
B - CARB HEAT only on 6489 series knobs (PULL ON)
C - CHOKE use on 6277 series knobs
D - DEFROST only on 6277 series knobs (PULL ON)
H - CABIN HEAT only on 6277 series knobs (PULL ON)
P - PARK BRAKE only on 6277 series knobs (PULL ON)

Knob Options
Color Code
B - Black
C - Clear (Silver)
GN - Green
L - Blue
R - Red
W - White
Y - Yellow



Custom Engine Controls

Duplicate your existing control or completely customize a new assembly!

Custom length, thread size and pitch, wear sleeve location, diameter, and travel length

Perfect for homebuilt or experimental aircraft



Replacement Parts for McFarlane Controls

Photos on the following pages

Parts used on FAA-PMA approved controls are FAA-PMA approved. All other parts are non FAA-PMA approved.
Boots: Fuel, oil and temperature resistant, keeps trash out of the control and dampens vibration.

P/N	Fig	Description	Use Eligibility
235	62	3/16" Pushrod Boot	Controls with a 3/16" pushrod
272	63	1/4" Pushrod Boot	Controls with a 1/4" pushrod
EC04	64	Swivel Boot	Controls employing a swivel joint
Retaining Nuts and Lock Washers: The retaining nut threads onto the threaded section of the control on the back side of the instrument panel to secure the control.			
P/N	**Fig**	**Description**	**Use Eligibility**
6060-8	65	1/2-20 Retaining Nut	Throttle controls using 1/2-20 threaded fittings
EC111	66	1/2" Lock Washer	Throttle controls using 1/2" threaded fittings
MS35333-44	67	Same as EC111	
6060-12	68	3/4-16 Retaining Nut	Throttle controls using 3/4-16 threaded fittings
EC112	69	3/4" Lock Washer	Throttle controls using 3/4" threaded fittings
MS35333-47	70	Same as EC112	
6196	71	3/8-24 Jam Nut	Cessna carb heat controls
6197	72	3/8" Lock Washer	Cessna carb heat controls
6133	73	7/16-20 Retaining Nut	Throttle controls using 7/16-20 threaded fittings
6260	74	7/16-20 Retaining Nut, Modified	MC6350 Dual Push-to-Unlock controls
EC38	75	7/16" Lock Washer	
EC61	76	3/8" Lock Washer	P/N MC12693-04 or MC455-139
EC62	77	3/8-24 Retaining Nut	P/N MC12693-04 or MC455-139
EC65	78	Throttle Spacer Bushing	P/N MC12693-04 or MC455-139
EC119	79	3/4-16 Retaining Nut Extended Nut	McFarlane vernier controls using 3/4-16 threaded fittings
Threaded Wear Sleeve Nuts and Lock Washers: Threaded wear sleeves are used on many McFarlane controls to secure the control to the firewall and/or mounting brackets.			
P/N	**Fig**	**Description**	**Use Eligibility**
EC38	80	7/16" Lock Washer	MC565-548 series controls
EC70	81	12M x 1.25 Jam Nut	MC565 series controls
EC72	82	12mm Lock Washer	MC565 series controls
Spring			
P/N	**Fig**	**Description**	**Use Eligibility**
6822	83	Spring, Throttle, Red	Alternate carburetor arm return spring for dual carburetor 912/914 series Rotax engines. Less than half the strength of the original stock Rotax springs. Prevents throttle "creep" due to excessive return spring force. Requires 1 per carburetor (2 per engine). See page 59.
7235	107	Spring, Throttle, Blue	
7140	108	Spring, Throttle Kit (one red and one blue)	
Adjustable Friction Lock Service Kits			
P/N	**Fig**	**Description**	**Use Eligibility**
EC12SK	84	Friction Packing Service Kit	Throttle controls using a 1/2" friction nut
EC312SK	85	Friction Packing Service Kit	Throttle controls using a 9/16" friction nut
Miscellaneous			
P/N	**Fig**	**Description**	**Use Eligibility**
6135	86	1/8 " Ball Bearing, sold in 5 packs	Replaces the ball bearing used in the locking mechanism for the MC6150, MC6250 and MC6350 series Push-to-Unlock controls.
6270	87	Cable Stop Assembly	Rotax Engines
6271	88	Conduit Terminal Assembly, Slip Fit	Rotax Engines
6290-06-12K	89	Panel Hole Reducer 0.375 X 0.75	Includes a flat washer. Not for use on certified aircraft.
6290-08-12K	90	Panel Hole Reducer 0.50 X 0.75	Includes a flat washer. Not for use on certified aircraft.
6408	91	Dual Throttle Hardware Kit	Rotax Engines
6409	92	Allen Wrench	MCTL series controls
6415	93	Panel Bolt, Turn-to-Lock	MCTL series controls
6416	94	Pin, Turn-to-Lock	MCTL series controls
6420	95	Ferrule, Turn-to-Lock, Brass	MCTL series controls
6423	96	Ferrule, Turn-to-Lock, Nylon	MCTL series controls
6424	97	Conduit Terminal	Rotax Choke Controls
6433-1	98	Conduit Clamp	MCQ100 series controls
6515	99	Barrel Stop Assembly	MCC101D and MCTL series controls
6518	100	Vernier Assist Roller Pin	Vernier Assist series controls
6797	101	Control Clip Plate	Typically used on quadrant style controls
7002	102	Slip Fit Terminal	Rotax Engines
EC02	103	1/2" Friction Adjust Wheel	Throttle controls using a 1/2" friction adjust wheel
EC89	104	Wedge Washer	One used on each side of the instrument panel to angle a control (approx 6.5°) to avoid interference behind the panel. 9/16" ID, sold in pairs. Included with Cessna 170 aircraft throttle control.
EC98	105	9/16" Friction Adjust Wheel	Throttle controls using a 9/16" friction adjust wheel
M83248/1-006	106	O-ring	MCC101D series controls

See photos on next page!

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

1  1536A-B	2  1536A-C	3  1536A-GN	4  1536A-L	5  1536A-R	6  1536A-W	7  1536A-Y	8  1536B-B	9  1536B-C
10  1536B-GN	11  1536B-L	12  1536B-R	13  1536B-W	14  1536B-Y	15  6277B	16  6277C	17  6277L	18  6277R
19  6307-BK	20  6307-RD	21  6417	22  6418	23  6427	24  6428	25  6429	26  6430	27  6432
28  6489B	29  6489C	30  6489L	31  6489R	32  6495-01B	33  6495-02B	34  6495-03B	35  6495-04B	36  6512B
37  6512C	38  6512L	39  6512R	40  6570	41 6620	42 6660	43 6661	44 6662	45 6730
46 EC03	47 EC53	48 EC125-1	49 MC471-052	50 MC471-053	51 MC471-060	52 MC471-084	53 MC571-131	54 KNOB ADAPTER
55 6277BP	56 6277BC	57 6277LP	58 6489RB	59 6489CB	60 6378	61 474-084 with 6289 Decal	62 235	63 272
64 EC04	65 6060-8	66 EC111	67 MS35833-44	68 6060-12	69 EC112	70 MS35333-47	71 6196	72 6197
73 6133	74 6260	75 EC38	76 EC61	77 EC62	78 EC65	79 EC119	80 EC38	81 P/N EC70
82 EC72	83 6822	84 EC12SK	85 EC312SK	86 6135	87 6270	88 6271	89 6290-06-12K	90 6290-08-12K
91 6408	92 6409	93 6415	94 6416	95 6420	96 6423	97 6424	98 6433-1	99 6515
100 6518	101 6797	102 7002	103 EC02	104 EC89	105 EC98	106 M83248/1-006	107 7235	108 7140

McFarlane now offers a wide selection of spark plugs, vacuum pumps, oil filters, and more!

We continue providing high-quality FAA-PMA parts and services for your instrument panel and firewall forward by expanding our product selection to include Tempest, Alcor, Marvel Schebler, Precision Airmotive, and Consolidated Systems.

Pneumatic, Ignition, and Filtration Products

Tempest is a leading manufacturer of dry air pumps, spark plugs, and oil filters. Additional products include fuel pumps, oil filter adapters, and specialty tools.



New, Rebuilt, and Overhauled Carburetors

Marvel-Schebler provides genuine MSA carburetors, kits and parts including factory overhauls. Each carburetor is built with the highest quality standards. Factory carburetors are subjected to a dynamic fuel delivery analysis from idle to full throttle to ensure proper engine performance.



Instruments, Probes, and Sensors

Alcor has been a leader in the world of exhaust gas temperature (EGT), cylinder head temperature (CHT) and turbine inlet temperature (TIT) sensor development. Alcor maintains a stellar reputation for its high-quality probes. Alcor probes and sensors are compatible with the vast majority of engine monitors.

Fuel Injection Systems

Precision Airmotive provides factory new, rebuilt and overhauled RSA fuel injection servos. They also manufacture new, rebuilt and overhauled flow dividers, new and overhauled nozzles, as well as a complete line of replacement parts and kits.



FAA Repair Station

Consolidated Fuel Systems offers complete overhaul services for RG Lear Romec fuel pumps and Continental fuel injection systems.









Resistance Tester

Know when to replace your Spark Plugs!

P/N AT5K

Measures between the terminal inside the lead and the spark plugs' center firing tip.

- Follows MIL-S-7886
- Prevents misfiring, wasted fuel, and pollution



Green only — *Excellent*
Green and Red — *Serviceable*
Red only — *Replace with a new Spark Plug*

Thread Lubricant

Lubricate your Spark Plug threads during the cleaning process

P/N T556

- Flows smoothly
- Spreads evenly
- Doesn't ball up!
- Dries quickly

Maintenance Tip:

Do not get any lubricant on the electrodes or the insulator. If you do, wipe it off with a cloth dampened with water.



Spark Plug Gasket

Best price — quantity discount!

P/N MS17840-1
18mm solid copper



Spark Plug Tray

Balance and organize Spark Plugs during maintenance

P/N AA446

- Constructed with high quality metal, protecting Spark Plug damage
- Rubber feet to keep tray in place on metal workbenches and tool boxes
- Numbered slots for proper organization and rotation

**Spark Plugs not included*





Avoid spilling your Spark Plugs!

Spark Plugs

The best spark plugs at the best price!

Not your grandfather's spark plugs!



- 'Fired in' resistor for stable resistance value and smoother running engine
- Zero-leakage seal encloses hot, high pressure combustion gases
- Durable nickel finish offers wear and corrosion resistance
- Ceramic insulator provides high performance in severe operational conditions
- Reduced fouling and enhanced heat range control

Engine Models	Part Number	Massive										Fine Wire									
		EAREM37HE	UREB37E	UREM37BY	UREM38E	UREM40E	EARHB32E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	EARHB32S	URHB32S	URHB36S	URHM38S	EARHM38SE			
Continental Motors		5/8"-24					3/4"-20					5/8"-24		3/4"-20							
A-65, A-75, C-75, C-85, C-90, C115, C-125 Series				•		•					•		•				•				
C-145 Series				•	•	•				•	•		•				•				
E165, E-185, E225 Series				•		•					•		•				•				
O-200-A,B,C,D				•		•					•		•			•	•				
IO-240-A, B					•					•			•				•				
O-300-A,B,C,D,E				•	•	•				•	•		•				•				
GO-300-A,B,C,D,E,F				•	•	•				•	•		•				•				
IO-360-A,AB,C,CB,D,DB,E,ES,G,GB,H,HB,J,JB,K,KB					•					•			•				•				
IO-360-B						•					•		•				•				
TSIO-360-A,AB,B,BB,C,CB,D,DB,E,EB,ES,F,FB,G,GB,H,HB,JB,K,KB,LB, MB,NB,PB,RB,SB					•					•			•				•				
LTSIO-360-E,EB,K,KB,RB					•					•			•				•				
O-470-2					•					•			•				•				
O-470-4, 11, 11B, 11B-C1, 11-C1, 13, 13A, 15						•					•		•				•				
O-470-B,G,H,M,N,P,R,S					•	•				•	•		•				•				
O-470-B-C1, G-C1, K-C1, L-C1, M-C1						•					•										
O-470-A,E,J,K,L						•					•		•				•				
O-470-T,U								•							•	•					
IO-470-A,C,G,P,R,T					•	•				•	•		•				•				
IO-470-D,E,F,H,L,LO,M,N,S,U,V,VO								•							•	•					
IO-470-J,K						•					•		•				•				
L/IO-470-A					•	•				•	•		•				•				
TSIO-470-B,C,D								•							•	•					
IO-520 Series								•													
IO-520-A,B,BA,BB,C,CB,D,E,F,J,K,L,M,MB,N,NB								•							•	•					
LIO-520 Series								•													
TSIO-520-A,AE,AF,B,BB,BE,C,CE,D,DB,E,EB,F,G,H,J,JB,K,KB,L, LB,M,N,NB,P,R,T,U,UB,V,VB,WB								•							•	•					
LTSIO-520-A,AE,B,BE,C,CE,D,DB,E,EB,G,H,J,JB,K,KB,L,LB,M, N,NB,P,R,T,U,UB,VB,WB								•							•	•					
GTSIO-520-C,D,E,F,G,H,K,L,M,N								•							•	•					
IO-550-A,B,C,D,E,F,G,L,N,P,R								•							•	•					
IOF-550-B,C,D,E,F,L,N,P,R															•						
TSIO-550-A,B,C,E,K								•							•	•					
R9-A			•						•			•				•					
R-670				•		•															
R-670-3, -4, -8, -11, -11A													•				•				
W-670				•		•					•		•				•				
Continental Titan™ Engines																					
OX-320 Series					•	•				•	•		•				•				
IOX-320 Series					•	•				•	•		•				•				
OX-340 Series					•	•				•	•		•				•				
IOX-340 Series					•	•				•	•		•				•				
OX-360 Series					•	•				•	•		•				•				
IOX-360 Series					•	•				•	•		•				•				
OX-370 Series					•	•				•	•		•				•				
IOX-370 Series					•	•				•	•		•				•				
OX-540 Series					•	•				•	•		•				•				
IOX-540 Series					•	•				•	•		•				•				
O-340 Series (ASTM certified)					•	•				•	•		•				•				
IO-340 Series (ASTM certified)					•	•				•	•		•				•				
Electroair (electronic ignition)																					
EIS-41000, EIS-41000IC, EIS-41000T, EIS-41000TIC, EIS-41000TLH, EIS-41000LHIC		•					•							•				•			

Eligibility continued on next page

Spark Plugs eligibility continued from previous page

Engine Models / Part Number	Massive										Fine Wire						
	EAREM37HE	UREB37E	UREM37BY	UREM38E	UREM40E	EARHB32E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	EARHB32S	URHB32S	URHB36S	URHM38S	EARHM38SE
Franklin/PZL/WSK	5/8"-24					3/4"-20					5/8"-24		3/4"-20				
2A-120-A,B,C,D							•								•		
4A-235-B, B1, B2, B3, B4, B6							•				•				•		
6AS-335-A,B		•					•	•			•				•		
6V-335-A1A, A1B		•					•	•			•				•		
6VS-335-A,B, A1, B1		•					•	•			•				•		
6A-350-C1, C1A, C2, C2A, C1L, C1R, D, D1, D1A, D1B							•				•			•	•		
6AS-350-A, A1							•				•				•		
6V-350-A,B							•				•				•		
PZL-3S, 3S 2nd Series, 3SR		•						•			•				•		
ASZ-62IR-16, M18		•						•			•				•		
Jacobs																	
L-4, L-5, L-6 Series					•					•		•				•	
4M, 4MA, 4MA7, 4MB, 5M, 5MB, 6M, 6MA, 6MBA					•							•				•	
R-755-A1, A2, A2M, A2M1, B1, B2, B2M, E					•					•							
R-755S, SM				•	•				•								
R-755-9					•							•				•	
R-915-3, 5, 7												•				•	
Ken Royce																	
Ken Royce 7F, 7G					•					•							
Ken Royce 90 5G					•					•							
Kinner																	
B-5, B-54, C-5, K-5					•					•							
Kinner R-5, R-5 Series 2, R-55, R-56					•					•							
Lambert																	
B-5, B-54, C-5, K-5					•					•							
LeBlond																	
LeBlond 70 5DE, 5E					•					•							
LeBlond 85 5F, 5DF					•					•							
LeBlond 90 5F					•					•							
LeBlond 110 7DF					•					•							
Menasco																	
Buccaneer A-6, B-6, B6S					•					•							
Super Buccaneer C6S-4					•					•							
Pirate A-4, B-4, C4, D4, M-50					•					•							
Super Pirate D-4-87		•									•						
P. Ponk																	
O-470-50 Super Eagle							•							•			
Pratt & Whitney																	
R-985 Wasp Jr. Series			•		•					•		•				•	
R-1340 Wasp Series (Short Reach)			•		•					•		•				•	
R-1340 Wasp Series (Long Reach)		•					•	•									
SR-1340-E					•					•							
R-1800 Twin Wasp E1		•					•	•									
R-1830 Twin Wasp Series		•					•	•			•			•	•		
R-2000 Twin Wasp Series		•					•	•			•				•		
Twin Wasp SC-G, SC3-G, S1C-G, S1C3-G, S3C4-G, S4C4-G		•					•	•			•			•	•		
R-2800 Double Wasp A,B Series		•					•	•			•			•	•		
Double Wasp Series CA3, CA5, CA15, CA17, CA18, CA19, R2800-97, CB3, CB4, CB16, CB17		•					•	•			•			•	•		
R-4630 Wasp Major Series		•					•	•			•				•		
Ranger																	
Ranger 6-390, 6-410, 6-440 Series					•					•		•				•	
Superior Air Parts																	
O-360-A1A1, A1A2, A2A1, A2A2, A3A1, A3A2, A4A1, A4A2, A5A1, A5A2, A6A1, A6A2, B1A1, B1A2, B2A1, B2A2, B3A1, B3A2, B4A1, B4A2, B5A1, B5A2, B6A1, B6A2, C1A1, C1A2, C2A1, C2A2, C3A1, C3A2, C4A1, C4A2, C5A1, C5A2, C6A1, C6A2, D1A1, D1A2, D2A1, D2A2, D3A1, D3A2, D4A1, D4A2, D5A1, D5A2, D6A1, D6A2, E1A1, E1A2, E2A1, E2A2, E3A1, E3A2, E4A1, E4A2, E5A1, E5A2, E6A1, E6A2					•												

Eligibility continued on next page

Spark Plugs eligibility continued from previous page

Engine Models	Part Number	Massive										Fine Wire								
		EAREM37HE	UREB37E	UREM37BY	UREM38E	UREM40E	EARHB32E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	EARHB32S	URHB32S	URHB36S	URHM38S	EARHM38SE		
Textron Lycoming																				
O-235-C,E,H,K,L,M,N,P Series				•	•	•				•	•		•				•			
O-235-F,G,J Series					•					•	•		•				•			
O-290 Series				•	•	•				•	•		•				•			
O-320-A,B,C,D,E,H Series				•	•	•				•	•		•				•			
O-320-F Series					•	•				•	•		•							
IO-320 A, B, C, D, E, Series				•	•	•				•	•		•				•			
IO-320-F Series				•	•	•				•	•		•				•			
IO-320-C1A, F1A (Long Reach)			•						•			•								
IO-320-C1B (Long Reach)			•						•											
AIO-320-A, B, C Series				•	•	•				•	•		•				•			
LIO-320-B Series (Short Reach)				•	•	•				•	•		•				•			
LIO-320-C1A (Long Reach)			•						•			•				•				
AEIO-320 A, B, C, D, E Series				•	•	•				•	•		•				•			
O-340-A, B Series					•	•				•	•		•				•			
O-360-A, B, C, D, F, J Series				•	•	•				•	•		•				•			
O-360-E Series					•	•				•	•		•				•			
HO-360-A, B, C Series				•	•	•				•	•		•				•			
IO-360-A, B, C, D, E, F, J, K, L, M Series				•	•	•				•	•		•				•			
IO-360-A1B6, C1A, C1F, F1A Series (Long Reach)			•						•			•				•				
LO-360-A, C, E Series				•	•	•				•	•		•				•			
TO-360-A, C, E, F Series			•					•	•			•			•	•				
TO-360-C1A6D, E1A6D, F1A6D Series (Long Reach)								•	•			•			•	•				
VO-360-A, B Series				•	•	•				•	•		•				•			
AIO-360-A, B Series				•	•					•			•				•			
HIO-360-A, B, G Series				•	•	•				•	•		•				•			
HIO-360 -C, D Series					•					•			•				•			
HIO-360-E1AD, E1BD, F1AD Series (Long Reach)								•	•						•	•				
IVO-360-A Series			•					•	•			•			•	•				
LIO-360-C, M Series				•	•					•			•				•			
LTO-360-A1A6D, E1A6D			•					•	•			•			•	•				
TIO-360-A, C Series			•					•	•			•			•	•				
AEIO-360-A, B, C, H Series				•	•	•				•	•		•				•			
AEIO-360-A Series (Long Reach)			•						•			•				•				
LHIO-360-C Series				•	•					•			•							
LHIO-360-F1AD								•	•						•	•				
IO-390-A, C			•						•			•				•				
AEIO-390-A			•						•			•				•				
O-435-A, C, K Series					•	•				•	•		•				•			
O-435-B Series													•				•			
O-435-A1A (Long Reach)								•	•											
O-435-6, 6A															•					
O-435-23, 23A, 23B, 23C, 25, 25A			•					•	•			•			•	•				
GO-435-A Series					•					•			•				•			
GO-435-C, D, Series						•					•		•				•			
GO-435-K Series						•					•									
VO-435-A Series					•	•				•			•				•			
VO-435-A,B Series (Long Reach)			•					•	•			•			•	•				
TVO-435-A Series (Short Reach)					•					•			•				•			
TVO-435-A,B,C,D,E,F,G Series (Long Reach)			•					•	•			•			•	•				
O-480-1, 3								•				•			•	•				
GO-480-B,D,F Series					•	•				•	•		•				•			
GO-480-C,G Series					•					•			•				•			
GO-480-G1,G2 Series (Long Reach)			•					•	•			•			•	•				
GO-480-E1A6													•				•			
GSO-480-A,B,D,F Series (Short Reach)					•	•				•	•		•				•			
GSO-480-A, B Series (Long Reach)			•						•			•				•				
IGO-480-A Series (Long Reach)			•					•	•			•			•	•				
IGSO-480-A Series (Short Reach)					•	•				•	•		•				•			
IGSO-480-A Series (Long Reach)			•					•	•			•			•	•				

Eligibility continued on next page

Spark Plugs eligibility continued from previous page

Engine Models / Part Number	Massive										Fine Wire						
	EAREM37HE	UREB37E	UREM37BY	UREM38E	UREM40E	EARHB32E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	EARHB32S	URHB32S	URHB36S	URHM38S	EARHB38SE
Textron Lycoming cont.	5/8"-24					3/4"-20					5/8"-24		3/4"-20				
O-540-A,B,D,E,F,G,H,J Series				•	•				•	•		•				•	
O-540-L3C5D, M1B5D Series (Long Reach)		•						•			•				•		
IO-540-A,AB,AE,B,C,D,E,G,J,K,L,M,N,P,R,S,T,U,V,W (Short Reach)				•	•				•	•		•				•	
IO-540-AF (Short Reach)				•	•				•	•							
IO-540-AA,AC,AE,E,G,J,K,M,N,P,R,S,U (Long Reach)							•	•						•	•		
IO-540-E1A5, E1B5, E1C5, J4A5, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, KIG5D, K1H5, K1J5, K1J5D, K1K5, K1K5D, K2A5, P1A5, R1A5 (Long Reach)		•					•	•			•			•	•		
VO-540-A,B,C Series (Short Reach)				•					•			•				•	
VO-540-A,B,C Series (Long Reach)		•						•			•				•		
TIO-540-C1A, E, H		•															
TIO-540-A,AA,AB,AE,AF,AG,AH,AJ,AK,C,E,F,G,H,J,K,N,R,S, T,U,V,W Series							•	•						•	•		
LTIO-540-F,J,N,R Series							•	•			•			•	•		
LTIO-540-U,V Series							•	•						•	•		
AEIO-540-D, L Series (Short Reach)				•	•				•	•		•				•	
AEIO-540-L Series (Long Reach)		•					•	•						•	•		
IGO-540-A,B, Series		•					•	•						•	•		
IVO-540-A Series		•						•			•				•		
TIVO-540-A Series							•	•			•			•	•		
IGSO-540-A,B Series							•	•						•	•		
TIO-541-A,E Series		•					•	•			•			•	•		
TIGO-541-A, E Series		•					•	•			•			•	•		
IO-580 Series (Short Reach)				•													
IO-580 Series (Long Reach)		•						•							•		
AEIO-580 Series (Short Reach)				•													
AEIO-580 Series (Long Reach)		•						•							•		
R-680 Series					•					•		•				•	
IO-720-A,B,C,D Series (Short Reach)				•					•			•				•	
IO-720-A,B,C,D Series (Long Reach)		•					•	•			•			•	•		
Warner																	
Scarab Series 28, 29, 30, 40, 50					•					•		•				•	
Scarab Jr. Series 40, 50					•					•		•				•	
Super Scarab Series 40, 50, 50A					•					•		•				•	
Super Scarab 165, A, B, D, 185, 185J, 185K					•					•		•				•	
Wright/ Curtis Wright																	
Cyclone Double Row Series		•						•									
Cyclone R-1300 Series		•						•			•				•		
Cyclone R-1820 Series (Except F & HE)		•						•			•				•		
Cyclone R-1820-84 (C9HE) Series							•							•			
Cyclone R-2600 Series		•						•			•				•		
Cyclone R-3350-C18BA, C18BD		•						•			•				•		
GR-540 Series					•					•							
GR-975 Series (Short Reach)					•					•							
GR-975C Series (Long Reach)		•						•									
R-540 Series					•					•							
R-975 Series (Short Reach)					•					•							
R-975 Series (Long Reach)		•						•									
Whirlwind J-5 (Short Reach)					•					•							
Whirlwind J-5 (Long Reach)		•						•									
Whirlwind R-760 Series (Long Reach)		•						•									
Whirlwind R-760 Series - 1/2" reach cyl.					•					•							

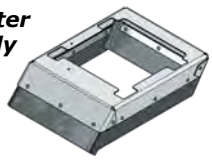
AeroGuard™ Air Filters

Greatly reduces contaminants and maximizes airflow

- Stops more than 99% of contaminants larger than 5 microns
- Less piston ring wear
- Air filters are cheap — engines are not!
- Cleans with air and soap water
- These are not a paper filter, no AD applies



McFarlane Air Filter Shroud Assembly now available
(see page 95)



Air Filters also available for ***Grumman and Van's*** aircraft! Visit our website for more details





One teaspoon of dirt ruins an engine!

Aircraft Model	Part Number
Aeronca	
65-CA, S-65-CA	AA10-7150
Aeronca (Champion)	
7AC, 7ACA, 7BCM, 7CCM, 7DC, 7EC, 7ECA, 7FC, 7GCAA, 7GCBC, 7JC, 7KC, 7KCAB, S7AC, S7CCM, S7DC, S7EC	AA10-7150
Aviat	
A-1	AA10-7150
Beechcraft	
19A, 23, A23, A23-19, A23A, A24, B23	AA617058
35-33, 35-B33,C33, E33	AA13-0374
E33A, F33A, F33C, G33	
B35,C35,D35,E35,F35,G35,H35,J35,K35,M35, N35,P35	
S35,V35, V35A,V35B, V35TC	
35-C33A, 36, A36	
95-C55, C55A, D55, D55A	AA12-7996
E55, E55A, 58	AA12-7996
	AA12-8167
58P, 58TC	AA12-4439
Bellanca	
17-30A	AA10-6150
Britten-Norman (Pilatus)	
BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21,BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27	AA10-6150
Cessna	
120, 140, 140A	AA10-7150
150, 150A,B,C,D,E,F,G,H,J,K,L,M	
A150K,L,M, F150G,H,J,K,L,M, FA150K,L	
152, A152, F152, FA152	
170, 170A,B	AA10-7172
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q	
172R,S	AA198281
F172D,E,F,G,H,K,L,M,N,P	AA10-7172
177, 177A,B,177RG	AA11-0172
180A,B,C,D,E,F,G,H,J,K	AA10-6150
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T, T182T	
182R,T, TR182	AA13-1367
F182P,Q	AA10-6150
185, 185A,B,C,D,E, A185E, A185F	
Champion/Aeronca	
7GCAA, 7GCBC, 7KCAB, 8GCBC, 8KCAB	AA10-6150
Diamond	
DA 40F	AA10-7172
Ercoupe	
F-1, F-1A	AA10-7150
Ercoupe (Univair)	
A-2, A2-A	AA10-7150
Grumman	
AA-1, AA-1A, AA-1B, AA-1C	AA10-7150

Continued in next column

Continued from previous column

Aircraft Model	Part Number
Luscombe	
8, 8A,8B,8C,8D,8E,8F, T-8F	AA10-7150
Maule	
M-4, M-4C,4S,4T, M-4-180C,S,T, M-4-220, M-4-220C,S,T	AA10-7172
M-180C, M-5-10C, 210TC, M-5-235C	
M-6-180, M-6-235	
M-7-235, MX-7-160,MX-7-180	
Mooney (Univair)	
M10	AA10-7150
Mooney	
M-18C, M-20, M20A,B,C,D,G	AA10-7172
Piper	
J-3, J3C-65,J3C-65S, J4A, J4A-S, J4E, J5A, J5A-80	AA10-7150 [1]
PA-11, PA-11S, PA-12, PA-12S, PA-16, PA-17	
PA-18, PA-18 "125", "135", "150", PA-18A, PA-18A "150", PA-18AS "125", "135", PA-18S, PA-18S "125", "150"	
P-19, PA-20, PA-20 "115", "135"	
PA-22	
PA-23-235	AA617058
PA-23-250	AA617058
	AA617774
PA-E23-250	AA617774
PA-24, PA-24-250,260	AA617058
PA-28-140,150,160,180,181,201T,235	
PA28R-180,200,201	AA617053
PA28R-201T, PA28RT-201, 201T	AA617053
	AA617058
PA-30	AA617053
PA-32-260	AA617058
PA-32-300	AA617058
	AA617774
PA-32-301,301FT, PA-32R-300,301, PA32RT-300	AA617058
PA-34-200	AA617053
PA-34-200T,220T	AA617058
PA-36-285,300,375	
PA-38-112	AA10-7150
PA-39, PA-44-180	AA617053
Swift	
GC-1A,1B	AA10-7150
Taylorcraft	
19, F19,21,22,22A,22B,22C	AA10-7150
BC12-64, BC12-D1, BC12-D-4-85, BC12-D-85, BC-65, BCS12-D1, BCS12D-4-85, BCS12D-85, BCS-65, DC-65, DCO-65	

Notes:

[1] Verify your OEM part number before replacing the air filter. Some aircraft require a square filter, and others require a cylinder. The PMA supplement may differ than the original filter installed on the aircraft. P/N AA10-7150 is a square filter.

Oil Filters

Save time and money!

- Strengthened can
- Increased burst strength
- Full pleat media designed for uniform flow and collapse resistance
- Spin EZ® lubricant for easy removal of the filter
- Better by-pass valve

Best Oil Filters in the industry at the lowest price! $$$



Aircraft	Engine Model	Part Number
Aerospatiale (Socata)		
TB9 Tampico	O-320-D2A	AA48110-2
TB10 Tobango	O-360-A1AD	AA48110-2
TB20 Trinidad	IO-540-C4D5D	AA48103-2
TB21 Trinidad TC	TIO-540-AB1AD	
TB-30	AEIO-540-L1B5D	AA48103-2
American General Aircraft		
AG5B Tiger	O-360-A4K	AA48110
Beech Debonair/Bonanza		
E33A, F33A, F33B, F33C	IO-520B	AA48109
G-33	IO-470N	AA48108-2
H-35	O-470	AA48108-2
J, K, M-35	IO-470C	AA48108-2
N, P-35	IO-470N	AA48108-2
S35, V35, V35A, V35B	IO-520	AA48109
S35	IO-520B	AA48109
V35TC, V35A-TC, V35B-TC	TSIO-520D	AA48109
V35, V35A, V35B, 36, A36	IO-520B	AA48109
A36TC, B36TC	TSIO-520-UB	AA48109
B36-550	IO-550	AA48109
C33A, E33A, E33C	IO-520B	AA48109
Beech Musketeer		
Sport III	O-320	AA48110
23	O-320	AA48110
A23-19, 19A, B19 Sport	O-320	AA48110-2
A23, A23A	IO-346A	AA48109
B23, C23 Sundowner	O-360	AA48110-2
B23	O-360A4JD	AA48103
Beech Serra		
24, A-24, A-24R, B-24R, C-24R	IO-360, L2A	AA48110-2
Beech Skipper		
77	O-235-L2C	AA48110-2
Beech Barron		
C55, D55, E55, 58	IO-520C	AA48109
56TC, A56TC	TIO-541-E	AA48104
58P, 58TC	TSIO-520-L,W,B	AA48108-2
58C, 550	IO-550	AA48109
Beech Duke		
60, A60, B60	TIO-541	AA48104
Beech Queen Air		
65, 70	IGSO-480	AA48111
80, 88, B80	IGSO-540	AA48111
Beech Travel Air		
95, B95	O-360	AA48110-2
B95A, D95A, E95	IO-360, L2A	AA48110-2
Beech Duchess		
76	O-360-A1G6D	AA48103-2
Beech Bellanca		
17-31A, 17-31ATC	IO-540-K	AA48110-2
17-31A Viking	IO-540-K	AA48110-2
17-31ATC Turbo	TIO-540	AA48110-2

Eligibility continues on the next column

Continued from previous column

Aircraft	Engine Model	Part Number
Cessna (Single Engine)		
All Cessna aircraft modified under Cessna Service bulletin SEB-93-1 or MEB-93-1 require Tempest Oil Filter AA48108. The AA48109 may be used if clearance permits installation.		
150 A thru M	O-200	AA48108-2
F150 F thru M	O-200	AA48108-2
A150L	O-200	AA48108-2
FA150	O-200	AA48108-2
152	O-235-L2C, H2C	AA48110-2
172 A thru H	O-300	AA48108-2
172 I thru M	O-320	AA48110
172 N	O-320-H2AD	AA48103-2
172 P	O-320-D2J	AA48111
F172 D thru H	O-300	AA48110
FR172 E thru K	IO-360	AA48108-2
R172K	IO-360-K	AA48108-2
172R	IO-360-L2A	AA48110-2
172RG	O-360-F1A6	AA48110-2
172S	IO-360-L2A	AA48110-2
177	O-320	AA48110-2
177A, B	O-360-A1B6D	AA48103-2
177RG	IO-360-A1B6D	AA48103-2
180 A thru J	O-470	AA48108-2
180Q	O-470-U	AA48108-2
180, S/N 53087 and on	IO-470-U	AA48108-2
182 A thru P	O-470	AA48108-2
182Q, R	O-470-U	AA48108-2
182S	IO-540-AB1A5	AA48110-2
A182 K thru N	O-470	AA48108-2
182, S/N 67042 and on	O-470-U	AA48108-2
F182, S/N 00130 and on	O-470-U	AA48108-2
R182	O-540-J3C5D	AA48103-2
T182	O-540-L3C5D	AA48103-2
TR182, FTR182	O-540-L3C5D	AA48103-2
185 A thru D	IO-470, IO-520	AA48108-2
A185E, F	IO-470, IO-520	AA48108-2
185, S/N 03852 and on	IO-520	AA48108-2
188	O-470, IO-520	AA48108-2
188, S/N 03474 and on	IO-520-D	AA48109
T188, S/N 03474 and on	TSIO-520	AA48109
205A	IO-470	AA48108-2
C-206	IO-540	AA48110
206 A thru G	IO-520	AA48108-2
206H	IO-540-AC15A	AA48110-2
206, S/N 05030 and on	IO-520	AA48109
206, S/N 05030 and on	TSIO-520	AA48109
U206	IO-520	AA48108-2
T-206H	TIO-540-AJ1A	AA48110-2
TU-206	TSIO-520	AA48108-2
P206	IO-520	AA48108-2
TP-206	TSIO-520	AA48108-2

Eligibility continues on the next page

Oil Filters eligibility continued from previous page

Continued from previous page		
Aircraft	**Engine Model**	**Part Number**
Cessna (Single Engine) cont.		
207	IO-520	AA48108-2
207, S/N 05227 and on	IO-520	AA48109
T207, S/N 05227 and on	TSIO-520	AA48109
T207	TSIO-520	AA48108-2
210	IO-470, IO-520	AA48108-2
210, S/N 63373-63375 and on	IO-520	AA48109
T210, S/N 63373-63375 and on	TSIO-520	AA48108
P210, S/N 278 and on	TSIO-520	AA48108-2
T210, P210, S/N 1-277	TSIO-520	AA48108-2
Cessna (Twin Engine)		
T303	TSIO-520-AE	AA48109
310-C thru Q	IO-470	AA48108-2
310-R	IO-520-M	AA48108-2
T310-P, Q, R	TSIO-520-B	AA48108-2
320-A	TSIO-470	AA48104
320-B, C	TSIO-470	AA48109
320-D, E, F	TSIO-520-B	AA48108-2
335	TSIO-520-EB	AA48109
336	IO-360	AA48108-2
337	IO-360	AA48108-2
P337, P337H	TSIO-360	AA48108-2
T337H	TSIO-360-H	AA48108-2
340	TSIO-520-K	AA48108-2
340A	TSIO-520-N,NB	AA48109
401/402	TSIO-520E	AA48108-2
402C	TSIO-520-VB	AA48109
404	GTSIO-520-M	AA48111
411, S/N OOO thru 0126	GTSIO-520-C	AA48104
411, S/N 0127 and on	GTSIO-520-C	AA48111
414, 414A	TSIO-520-J,N	AA48108-2
421-A, B	GTSIO-520-D,H	AA48111
421-C, S/N 1017 thru 1404	GTSIO-520-L,N	AA48111
Cirrus		
SR20	IO-360ES	AA48108-2
SR22	IO-550N	AA48109
SR22T	TSIO-550-K	AA48109
Columbia/Lancair		
300, 350	IO-550N	AA48109
400	TSIO-550	AA48109
Diamond		
DA20-C1	IO-240	AA48108-2
DA40-180	IO-360	AA48110-2
Riley Conversion		
310	TIO-540-N2BD	AA48103-2
	LTIO-540-N2BD	AA48103-2
Gulfstream American (Single Engine)		
AA-1, 1A, 1B, 1B Trainer, TR	O-235	AA48110-2
A1C LYNX, T-CAT	O-235-L	AA48110-2
AA-5 Traveler	O-320-E	AA48110-2
AA-5A Cheetah	O-320-E	AA48110-2
AA-5B Tiger	O-360-A4K	AA48110-2
Cougar	O-320-D	AA48110-2
Commander (Single Engine)		
112, 112-A	IO-360-C, L2A	AA48110-2
112-TC	TO-360-C1A6D	AA48110-2
114	IO-540-T4A5D	AA48110-2
Commander (Twin Engine)		
500-B, 500-U	IO-540	AA48110-2
700	TIO-540-R2AD	AA48103-2

Eligibility continues on the next column

Continued from previous column		
Aircraft/Mfg Model	**Engine Model**	**Part Number**
Helio		
HELIO 700	TIO-540-J2BD	AA48103-2
Maule		
M5-180-C, MX7-180	O-360-C, C1F	AA48110-2
M5-210-TC	TO-360-C1A6D	AA48103-2
M5-235-C, M6-235, M7-235	O-540-J1A5D	AA48103-2
MX-7-235	O-540-WIA5D	AA48103-2
Mooney		
M20	O-320	AA48110-2
M20-A, B, Mark 21	O-360	AA48110-2
M20-D Master	O-360	AA48110-2
M20-C Ranger	O-360	AA48110-2
M20-G Statesman	O-360	AA48110-2
M20-E Chaparral	IO-360,L2A	AA48110-2
M20-F Executive	IO-360,L2A	AA48110-2
M20-J-201	IO-360-A3B6D,L2A	AA48103-2
M20-K-231	TSIO-360-G,LB	AA48108-2
M20-M-TLS	TIO-540-AFIA,B	AA48110-2
M20-R	IO-550	AA48108-2
M22 Mustang	TIO-541	AA48110-2
M20-K-252 TSE	TSIO-360-MB1	AA48108-2
Piper Cub		
PA-18-150	O-320	AA48110-2
Piper Tri-Pacer		
PA-22-150	O-320	AA48110-2
PA-22-160	O-320	AA48110-2
Piper Commanche		
PA-24-180	O-360	AA48110-2
PA-24-250	O-540, IO-540	AA48110-2
PA-24-B, PA-24-C-260	O-540, IO-540	AA48110-2
PA-24 Turbo 260	IO-540	AA48110-2
Piper Commanche (Twin)		
PA-30-160 Turbo	IO-320	AA48110-2
PA-39-160	IO-320	AA48110-2
PA-39-160 Turbo	IO-320	AA48110-2
Piper Pawnee		
PA-25-150	O-320	AA48110-2
PA-25-260	O-540	AA48110-2
PA-36 Brave	6-285B	AA48109-2
PA-36-375 Brave	IO-720-D1C	AA48110-2
PA-36-400 Brave	IO-720-DICD	AA48104
Piper Cherokee, Cadet		
PA-28-140	O-320	AA48110-2
PA-28-150	O-320	AA48110-2
PA-28-160, 161	O-320	AA48110-2
PA-28-180	O-360	AA48110-2
PA-28-180, 181	O-360-A4M	AA48110-2
PA-28-235	O-540	AA48110-2
PA-28-151	O-320	AA48110-2
Piper Cherokee Six		
PA-32-260	O-540	AA48110-2
PA-32-300	IO-540	AA48110-2
PA-32R-300	IO-540-K1AD	AA48103-2
PA-32R-300	TIO-540-S1AD	AA48103-2
PA-32RT-300T	TIO-540-S1AD	AA48103-2
PA-32-301	IO-540-K1G5D	AA48103-2
PA-32-301	TIO-540-S1AD	AA48103-2
PA-32R-301	IO-540-K1G5D	AA48103-2
PA-32R-301	TIO-540-S1AD	AA48103-2

Eligibility continues on the next page

Oil Filters eligibility continued from previous page

Continued from previous page		
Aircraft/Mfg Model	**Engine Model**	**Part Number**
Piper Arrow		
PA-28R-180	IO-360, L2A	AA48110-2
PA-28R-180	IO-360-C1CD,L2A	AA48103-2
PA-28R-200 Arrow II	IO-360, L2A	AA48110-2
PA-28R-200 Turbo Arrow III	TSIO-360	AA48108-2
PA-28R-201T	TSIO-360-F1	AA48108-2
Piper Dakota		
PA-28-235	O-540-J3A5D	AA48103-2
PA-28-201T	TSIO-360-FB	AA48108-2
Piper Tomahawk		
Trainer PA-38-112	O-235-L2C	AA48103-2
Piper Malibu		
PA-46-301-P	O-235-L2C	AA48109
Piper Malibu Mirage		
PA-46-350-P	TIO-540-AE2A	AA48103-2
Piper Apache		
PA-23-150	O-320	AA48110-2
PA-23-160	O-320	AA48110-2
PA-23-235	O-540	AA48110-2
Piper Aztec		
PA-23-250	O-540	AA48110-2
C-PA-23	IO-540	AA48110-2

Eligibility continues on the next column

Continued from previous column		
Aircraft/Mfg Model	**Engine Model**	**Part Number**
Piper Aztec cont.		
PA-23-250 Turbo C,D,E,F	IO-540	AA48110-2
PA-23-250 Turbo	TIO-540	AA48110-2
Piper Navajo		
PA-31-300	IO-540	AA48110-2
PA-31-310 Turbo	TIO-540	AA48110-2
PA-31-325	TIO-540-F2BD	AA48103-2
PA-31-350 Cheiftain	TIO-540-J2BD	AA48103-2
PA-31P-425	TIGO-541	AA48104
PA-31P-350 Mojave	TIO-540-V2AD	AA48104
Piper Seneca		
PA-34	IO-360-C	AA48110-2
PA-34-200T Seneca II	TSIO-360-E	AA48108-2
PA-34-220T Seneca III	TSIO-360-KB	AA48108-2
Piper Aerostar		
PA-60-600, 600A	IO-540-G,K	AA48110-2
PA-60-604, 601B	IO-540-P,S	AA48110-2
PA-60-601P	IO-540-S	AA48110-2
PA-60-602P	IO-540-AA1A5	AA48110-2
Piper Seminole		
PA-44-180	O-360-E1AD	AA48103-2
PA-44-180T	TO-360-E1A6D	AA48103-2

EZ Drain Tool

P/N AA473

Saves time, prevents drips and spills, and makes cleanup easy!

Oil change is as easy as 1... 2... 3

1. Slip EZ Drain around filter and secure by turning the butterfly knob until tight against the filter. Ensure that Easy Drain is located at the lowest part of the oil filter can (to allow maximum drainage).
2. Attach host to the bottom of t-handle and then twist the t-handle to puncture the filter. Back the t-handle out to original position to allow the oil to drain.
3. Drain oil into pan. This process will take awhile. Oil drains slowly, no matter the temperature, because the media pack is saturated with oil.





Works on horizontally or vertically mounted oil filters!

Can Cutter

P/N AA470

Can be used on all aircraft oil filters!
Light weight and durable



Replacement cutter blades P/N AA004A

Media Cutter

P/N AA471

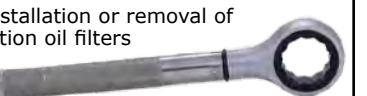
An efficient and safe way to cut the media pack open and spread the pleats during inspection!



Torque Wrench

P/N AA472

Easy installation or removal of all aviation oil filters



EZ Wrench Extension

P/N AA474

Install the oil filter nut with ease using this extension



AeroShell Aircraft Engine Oil

McFarlane has the lowest cost on engine oil!
All oil is sold in 6 quarts per case, except
Sport Plus 4 (sold in individual liters)



Engine oil is priced at COST!

Choosing the Right Grade of Oil	
Oil Type	**Part Number**
Straight Grade Mineral Oil • Aids engine break-in • Prevents cylinders glazing • Clean burning	AEROSHELL 80 AEROSHELL 100
Single Grade Ashless • Improved performance • Reduce maintenance costs • Reduce oil consumption	AEROSHELL W80 AEROSHELL W100 AEROSHELL W120
Single Grade Ashless Plus • Prolonged engine life • Advanced additive for cam protection and rust and corrosion protection	AEROSHELL W80 PLUS AEROSHELL W100 PLUS
Multigrade Sport Plus • Developed for light sport planes • Can be used in any climate • Advanced additive for full performance with different fuel types	AEROSHELL SPORT PLUS 4
Multigrade Ashless • High performance in all seasons • Reduced oil and fuel consumption • Advanced additive for cam protection and rust and corrosion protection	AEROSHELL W15W-50

Save $$$ with Multigrade and Plus Oils!

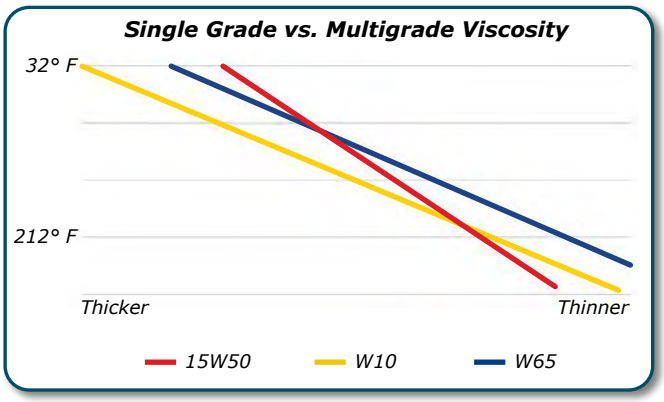
AeroShell single grade plus and multigrade oils comply with AD 80-04-03 and DO NOT require adding the **expensive** Lycoming LW16702 additive.
This ***saves you over $50.00*** during oil change!

Comparison example:

AeroShell W80 Plus = $48.02	**AeroShell 80** = $43.12
(already contains additive)	LW16702 additive = $60.00
Total cost = $48.02	**Total cost = $103.12**

AeroShell Plus Oil saves you over $50.00!

**Pricing as of 6/1/2022*



Phillips Aircraft Engine Oil

P/N PHILLIPS X/C 20W50
P/N PHILLIPS VICTORY 20W50 *(pre-blended with Lycoming-approved anti-wear additive)*
Ashless dispersant, multi-grade engine oil for piston engines

- Aids engine break-in
- High performance in all seasons
- Save $$$
- Sold in 12 quarts per case

All engine oil is priced at COST!
We want to keep you flying!



NEW! CamGuard™ Aviation Advanced Oil Supplement

P/N CAMGUARD AVIATION 16 OZ and **P/N CAMGUARD AVIATION GAL**
FAA accepted! The only lubricant to undergo certification testing in the extremes of aerobatic use

- Provides maximum engine protection with blends of high performance additives
- Prevents rust and corrosion with multi-metal corrosion inhibitors
- Dramatically reduces the wear of cams, lifters, cylinders, rings, gears, and valve guides
- Prevents varnish and carbon deposits throughout engine with ashless deposit control additives
- Prevents oil weeping and keep seals supple, flexible, and performing like new with seal conditioners



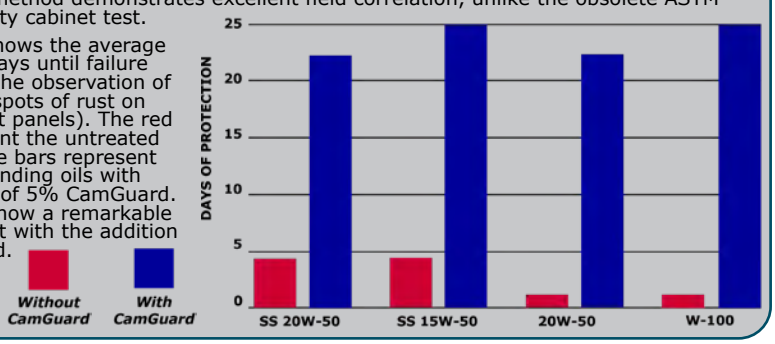
NEW

Available in pint and gallon!

Increased Corrosion Protection with CamGuard

Four of the top selling piston oils were tested for corrosion resistance with and without CamGuard. Testing was performed using the DIN 50017 humidity cabinet test. The DIN 50017 method demonstrates excellent field correlation, unlike the obsolete ASTM 1748 humidity cabinet test.

The graph shows the average number of days until failure (defined as the observation of three 1mm spots of rust on the steel test panels). The red bars represent the untreated oils. The blue bars represent the corresponding oils with the addition of 5% CamGuard. All the oils show a remarkable improvement with the addition of CamGuard.





These are pistons from two different Lycoming IO-540 aircraft engines. The left piston is from an FAA certification engine using CamGuard for 500 hrs. The testing was in an aerobatic aircraft that used very high power settings resulting in extremely high temperatures. The piston on the right was taken from a non-aerobatic aircraft engine that was flown at typical cruise settings, without CamGuard, for 500 hrs. **The difference in deposits is striking.**

Pneumatic Filters

FAA-PMA approved

- Uses 0.3-micron filtration elements for superior protection against outside contaminants
- Keeps your system clean and improves the pneumatic system performance
- Save $$$





For full aircraft eligibility, enter your aircraft model on our website. Scan this code for direct access!

.../products/category/firewall-forward-pneumatic-system-filters/

High Flow Fittings

Specially designed to reduce pressure drop!

- Improved pneumatic system performance
- Manufactured with light-weight thin wall steel tubing
- Smooth tube bends allow air flow through the fitting
- Straight fittings, or fittings with bends from 45-160° are available



P/N	Description	Angle	Aircraft used in
AA1K1-4-6	¼ NPT x ⅜ Hose	90°	
AA1K1-4-8	¼ NPT x ½ Hose	90°	
AA1K1-6-8	⅜ NPT x ½ Hose	90°	Piper
AA1K1-6-10	⅜ NPT x ⅝ Hose	90°	Cessna, Maule, Piper, Beech
AA1K1-8-10	½ NPT x ⅝ Hose	90°	Beech
AA1K1-8-12	½ NPT x ¾ Hose	90°	
AA1K8-6-8	⅜ NPT x ½ Hose	52°	Piper
AA1K8-6-10	⅜ NPT x ⅝ Hose	52°	Cirrus
AA1K9-4-6	¼ NPT x ⅜ Hose	60°	Cessna
AA1K9-6-10	⅜ NPT x ⅝ Hose	45°	Cessna, Cirrus, Beech
AA1K9-8-10	½ NPT x ⅝ Hose	45°	
AA1K9-8-12	½ NPT x ¾ Hose	45°	
AA1K10-2-4	⅛ NPT x ¼ Hose	Straight	
AA1K22-10-10	⅝ x ⅝ Hose Bulkhead	Straight	Piper
AA1K43-10-10	⅝ x ⅝ Hose Bulkhead	90°	Mooney, Piper

Instrument Air Filter

P/N AA103535IA
Replaces Cessna P/N C294501-0302

P/N AA103435IA
Replaces Cessna P/N C294501-0301



Pneumatic Garter Filter

P/N ARB3-5-1
FAA-PMA approved for Cessna, Beech, Mooney, Piper, Grumman, and more!

- Superior protection against outside contaminants
- Maintains clean pneumatic system
- Protects your vacuum pump



Pneumatic Valves

Improved FAA-PMA new or overhauled assemblies!

- Save $$$
- Light-weight and high performing
- Accurately controls the air pressures in your pneumatic system



For full aircraft eligibility, scan this code!

.../products/category/firewall-forward-pneumatic-system/

Flow Divider and Nozzles

Available separately or in kits

- Save $$$ with the full kits
- In stock, ready to ship
- Return your nozzles for core credit



For full aircraft eligibility, scan this code!

.../products/category/fuel-injection-nozzles/

Fuel Servos

FAA-PMA fuel injection systems for certified and experimental aircraft

- Peak performance
- Dynamically tested to verify fuel flow from idle to full throttle



For full aircraft eligibility, scan this code!

.../products/category/firewall-forward-fuel-injection-servos/

Vacuum Pump Cooling Kits

P/N's KIT #10, KIT #11, and KIT #20

Increase the life of your vacuum pump!

- Keeps cooler air flowing around the pump housing
- Powered by ram air forward of the engine baffle
- Easy installation, minimal tools and RTV silicone adhesive required
- FAA-PMA STC approved



P/N Kit #10



P/N Kit #11



P/N Kit #20

Component List for Vacuum Pump Cooling Kits			
P/N	**Qty**	**Part Number**	**Description**
KIT #10	1	2CDH	Cooling Shroud (3.96" O.D.)
	1	2CDH-1	Flange 1"
	13 - 14"	2CDH-2	1" ID SCAT Aeroduct Ducting
	2	2CDH-3	Cable Ties
	4	AN526-632R8	Screws
	4	AN365-632	Nuts
	4	AN960-6	Washers
KIT #11	1	4ADH	Cooling Shroud (3.96" O.D. Modified)
	1	2CDH-1	Flange
	17 - 18"	2CDH-2	1" ID SCAT Aeroduct Ducting
	2	2CDH-3	Cable Ties
	4	AN526-632R8	Screws
	4	AN365-632	Nuts
	4	AN960-6	Washers
KIT #20	1	6ADH	Cooling Shroud (4.20" O.D.)
	1	6CDH-1	Flange
	17 - 18"	6CDH-2	1.25" ID SCAT Aeroduct Ducting
	2	2CDH-3	Cable Ties
	4	AN526-632R8	Screws
	4	AN365-632	Nuts
	4	AN960-6	Washers



Aircraft	KIT #10 [1]	KIT #11 [2]	KIT #20 [3]
Beechcraft			
F33A, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC	•	•	•
Cessna			
152, A152	•		
172K,L,M,N,P,Q	•		
182G,H,J,K,L,M,N,P,Q, R182, TR182, T182	•		
206, U206, U206A,B,C,D,E,F,G, TU206A,B,C,D,E,F,G	•		
P206A,B,C,D,E, TP206A,B,C,D,E	•		
210L,M,N,R, P210N,R, T210L,M,N	•	•	•
310P,Q,R, T310P,Q,R	•	•	•
Piper			
PA-28-140,150,151,160, S-160,161, S-180,181,235,236,201T	•		
PA-28R-180, R-200, R-201, R-201T, RT-201, RT-201T	•		
PA-32-260,300,301, S-300,R-300,R-301,RT-300	•	•	•
PA-34-200T, 220T	•	•	•
Mooney			
M20E,F,J,K	•	•	•

[1] KIT #10 for Airborne model 200 thru 212CW, CC Dry Air Pumps, Tempest models AA3215CC and AA3216CW Dry Air Pumps
[2] KIT #11 for EDO-AIRE model 1U128, 1U12BA and 1U128B and Sigma Tek model 1U128B Dry Air Pumps
[3] KIT #20 for Airborne model 400-Series Dry Air Pumps and Tempest AA441CC and A442CW

Vacuum Pump Wrench

Get into those really tight spots!
P/N TOOL133 (use for small pumps)
P/N TOOL133-L (use for large pumps)

- Heat treated tool steel
- 1/4" square drive
- Torque wrench friendly



Precision made!



Dry Air Pumps

New and overhauled FAA-PMA assemblies

- Smooth temperature compensation
- Low friction
- Increased service life
- Wear resistant
- Durable and light-weight



TEMPEST excellence

Know where you're at with the built-in vane wear indicator!

Aircraft		Engine	Dry Air Pumps New P/N	Dry Air Pumps Overhauled P/N
Aero Commander / Gulfstream / Rockwell				
500		Lyc. O-540-A	AA3215CC	215CC-OH SERIES
500-A		Cont. IO-470-M	AA3216CW	216CW-OH SERIES
500-B, -U		Lyc. IO-540-B,-E	AA3215CC	215CC-OH SERIES
500-S		Lyc. IO-540-E	AA3215CC	216CW-OH SERIES
520		Lyc. GO-435-C	AA3216CW	216CW-OH SERIES
700 Non Deice & Deice		Lyc. TIO-540-R		241CC-OH SERIES
Aerostar / Ted Smith Aerostar / Piper Aerostar				
360, 400		Lyc. O-360-D,-E	AA3215CC	215CC-OH SERIES
PA-60-600, -601 Aerostar	Non Deice 003 thru 0925 except 0750	Lyc. IO-540-G,-P	AA243CC-13	243CC-13OH SERIES
	Deice 003 thru 0925 except 0750 w/o Auto Timer	Lyc. IO-540-G,-P	AA441CC-17	441CC-17OH SERIES
PA-60-601P	Non Deice 0153 thru 0925 except 0750	Lyc. IO-540-G,-P	AA441CC-17	441CC-17OH SERIES
	Deice 0153 thru 0925 except 0750 w/Auto Timer	Lyc. IO-540-P,-A	AA243CC-13	243CC-13OH SERIES
	Deice 0153 thru 0925 except 0750 w/o Auto Timer	Lyc. IO-540-P,-A	AA441CC-17	441CC-17OH SERIES
PA-60-602P	Non Deice 0750, 0861 thru 0932, 60-8265001 thru 60-8365021	Lyc. IO-540-P,-A	AA243CC-13	243CC-13OH SERIES
	Non Deice 0750, 0861 thru 0932, 60-8265001thru 60-8365021 w/ or w/o Auto timer		AA441CC-17	441CC-17OH SERIES
PA-60-700P	Non Deice 60-8423001 and up	Lyc. TIO-540-U	AA441CC-17 RH AA442CW-20 LH	441CC-17OH SERIES 442CW-20OH SERIES
	Deice 60-8423001 and up w/ or w/o Auto Timer	Lyc. LTIO-540-U		
Aviat Aircraft				
A1C-160		Lyc. O-320-D2A	AA3215CC	215CC-OH SERIES
A1C-180		Lyc. O-320-A1P		
A1C-200		Lyc. O-320-A1D6		
Beechcraft				
19 and 19A	MB1 thru MB480	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
B19 Musketeer Sport 150	MB481 thru MB865	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
23 Musketeer	M1 thru M554	Lyc. O-320-D	AA3215CC	215CC-OH SERIES
A23 and A23A	M555 thru M1094	Cont. IO-346-A	AA3216CW	216CW-OH SERIES
A23-24	MA1 thru MA363	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
B23	M1095 thru M1284	Lyc. O-360-B	AA3215CC	215CC-OH SERIES
C23 Sundowner	M1285-M1979 except M1971	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
	M1971, M1980-M2290 w/ Comfort Pack			
	M1971, M1980-M2290 w/o Comfort Pack			
	M2291 and up			
24, A24	MA1 thru MA368	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
A24R, B24R	MC2 thru MC451 except MC449	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
C24R	MC449, MC452 thru MC536 except MC533	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
	MC533, MC537 thru MC739 w/ or w/o Comfort Pack			
	MC740 and up			
35-33, 35A33, 35B33	w/ Conversion Kit	Cont. IO-470-J,K	AA3216CW	216CW-OH SERIES
35-C33, 35-C33A	CD826 thru CD1118, CE1 thru CE179 except CD982	Cont. IO-470	AA3216CW	216CW-OH SERIES
	CE1 thru CE179 except CD892 w/Conversion Kit		AA244CW	244CW-OH SERIES

Continued on next page

Dry Air Pumps continued from previous page



Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Beechcraft continued				
C33, C33A	CD826 thru CD1118, CE1 thru CE179 except CD982	Cont. IO-470-J	AA3216CW	216CW-OH SERIES
E33	CD1119 thru CD1234, CE180 thru CE289	Cont. IO-470-K	AA3216CW	216CW-OH SERIES
E33A	CD1119 thru CD1234, CE180 thru CE289	Cont. IO-520-B	AA3216CW	216CW-OH SERIES
E33C, F33	CD1235 thru CD1254	Cont. IO-470-K, IO550	AA3216CW	216CW-OH SERIES
F33A	CE290 thru CE631	Cont. IO-520-B,-BA,-BB, IO550	AA244CW AA442CW	244CW-OH SERIES 442CW-OH SERIES
	CE632 thru CE1439, CE1441 thru CE1456		AA3216CW, AA442CW	216CW-OH SERIES, 442CW-OH SERIES
	CE1440, CE1457 and up, CE1056 thru CE1457 and up w/ Standby		AA3216CW	216CW-OH SERIES
F33C	CJ26 thru CJ179	Cont. IO-520-B,-BA,-BB, IO550	AA244CW	216CW-OH SERIES
			AA442CW	442CW-OH SERIES
	CJ180 and up, CJ156 thru CJ180 and up w/Standby System		AA3216CW	216CW-OH SERIES
G33	CD1255 thru CD1304	Cont. IO-470-N	AA3216CW	216CW-OH SERIES
35, A35	w/Conversion Kit	Cont. E-185-1	AA3216CW	216CW-OH SERIES
B35, 35R	w/Conversion Kit	Cont. E-185-8	AA3216CW	216CW-OH SERIES
C35, D35, E35, F35	w/Conversion Kit	Cont. E-185-11	AA3216CW	216CW-OH SERIES
G35	w/Conversion Kit	Cont. E-225-8	AA3216CW	216CW-OH SERIES
H35	w/Conversion Kit	Cont. IO-470-G	AA3216CW	216CW-OH SERIES
J35, K35, M35	w/Conversion Kit	Cont. IO-470-C	AA3216CW	216CW-OH SERIES
N35, P35	w/Conversion Kit	Cont. IO-470-N	AA3216CW	216CW-OH SERIES
S35	D7310 thru D7976	Cont. IO-520-B,-BA	AA3216CW	216CW-OH SERIES
V35		Cont. IO-520-B,-BA	AA3216CW	216CW-OH SERIES
			AA244CW	244CW-OH SERIES
V35A, V35A-TC	D7977 thru D9068	Cont. IO-520-B,-BA,-BB, TSIO-520	AA3216CW	216CW-OH SERIES
V35B, V35B-TC	D9069 thru D9855	Cont. IO-520-B,-BA,-BB	AA244CW	244CW-OH SERIES
	D9858 and up		AA3216CW	216CW-OH SERIES
			AA442CW	442CW-OH SERIES
36, A36	E1 thru E196 except E184	Cont. IO-520-B,-BA,-BB, IO-550	AA3216CW	216CW-OH SERIES
			AA244CW	244CW-OH SERIES
	E184, E197, E203 thru E451		AA244CW	244CW-OH SERIES
			AA442CW	442CW-OH SERIES
	E452 thru E2179		AA244CW	244CW-OH SERIES
			AA442CW	442CW-OH SERIES
	E2180 and up w/ Standby System		AA3216CW	216CW-OH SERIES
A36TC, B36TC	EA1 thru EA502, EA504 w/ Standby System	Cont. TSIO-520-U, IO-550	AA3216CW	216CW-OH SERIES
			AA442CW	442CW-OH SERIES
	EA503, EA505 and up w/ Standby System	Cont. TSIO-520-U, IO-550	AA3216CW	216CW-OH SERIES
45 (YT-34)		Cont. E-225-8	AA3216CW	216CW-OH SERIES
A45 (T-34A), B-45, D45 (T-34B)		Cont. O-470	AA3216CW	216CW-OH SERIES
50, B50		Lyc. GO-435-C	AA3216CW	216CW-OH SERIES
G50, H50		Lyc. IGSO-480-A	AA442CW	442CW-OH SERIES
95-55, 95-A55		Cont. IO-470-L	AA3216CW	216CW-OH SERIES
			AA442CW	442CW-OH SERIES
95-B55 Non Deice	TC1608 - TC2002	Cont. IO-470-L	AA3216CW	216CW-OH SERIES
	TC2003 - TC2075		AA442CW-12	442CW-12OH SERIES
	TC2076 and up		AA3216CW	216CW-OH SERIES
			AA442CW-14	442CW-14OH SERIES
95-B55 Deice	TC2003 and up	Cont. IO-470-L	AA442CW-14	442CW-14OH SERIES
95-B55A		Cont. IO-470-L	AA442CW	442CW-OH SERIES
95-C55, 95-C55A		Cont. IO-520-C	AA244CW	244CW-OH SERIES
			AA442CW-12	442CW-12OH SERIES
D55	Non Deice TE452 Thru TE767	Cont. IO-520-C,-CB	AA244CW	244CW-OH SERIES
			AA442CW-12	442CW-12OH SERIES
	Deice TE452 Thru TE767		AA442CW-12	442CW-12OH SERIES
D55A	Non Deice	Cont. IO-520-C,-CB	AA3216CW	216CW-OH SERIES
	Deice		AA244CW	244CW-OH SERIES

Continued on next page

Dry Air Pumps continued from previous page

Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Beechcraft continued				
E55 Non Deice	TE768 - TE937, TE939 - TE942	Cont. IO-520-C,-CB	AA244CW	244CW-OH SERIES
			AA442CW-12	442CW-12OH SERIES
	TE938, TE943 - TE1114 and Up		AA244CW	244CW-OH SERIES
			AA442CW-14	442CW-14OH SERIES
E55 Deice	TE768 - TE942 except TE938	Cont. IO-520-C,-CB	AA442CW-12	442CW-12OH SERIES
	TE938, TE943 - TE1075 and Up		AA442CW-14	442CW-14OH SERIES
55A	Non Deice	Cont. IO-520-C,-CB	AA3216CW, AA244CW	216CW-OH SERIES, 244CW-OH SERIES
56TC Non Deice	TC1 thru TG83	Lyc. TIO-541-E	AA244CW	244CW-OH SERIES
	TG84 thru TG94		AA442CW	442CW-OH SERIES
56TC Deice	TG52 thru TG94	Lyc. TIO-541-E	AA442CW	442CW-OH SERIES
58 Non Deice	TH1 thru TH873	Cont. IO-520-C	AA244CW	244CW-OH SERIES
	TH874 and up		AA442CW-12	442CW-12OH SERIES
58 Deice	TH1 thru TH852 and Up, except TH1389	Cont. IO-520-C	AA442CW-12	442CW-12OH SERIES
			AA442CW-14	442CW-14OH SERIES
58P Non Deice	TJ3 thru TJ123 and Up	Cont. TSIO-520-L,-LB	AA244CW-4	244CW-4OH SERIES
58P Deice	TJ3 thru TJ96 and Up		AA442CW-4	442CW-4OH SERIES
58TC Non Deice	TK1 thru TK150 except TK147	Cont. TSIO-520-L,-LB	AA244CW-4	244CW-4OH SERIES
58TC Deice			AA442CW-4	442CW-4OH SERIES
60, A60 Non Deice w/o Auto Pilot	P4 thru P246	Lyc. TIO-541-E	AA244CW	244CW-OH SERIES
60, A60 Non Deice w/ Auto Pilot			AA442CW	442CW-OH SERIES
A60 Deice			AA442CW	442CW-OH SERIES
B60 Non Deice	P247 and up Single Instrument	Lyc. TIO-541-E	AA244CW	244CW-OH SERIES
	P247 and up Dual Instrument		AA442CW	442CW-OH SERIES
B60 Deice	P247 - P307 Single Instrument	Lyc. TIO-541-E	AA442CW	442CW-OH SERIES
	P308 - P509 and up Dual Instrument		AA442CW	442CW-OH SERIES
65-B80 Non Deice or Deice	LD362and up	Lyc. IGSO-540-A	AA441CC-9	441CC-9OH SERIES
A65 Non Deice or Deice	LC240 - LC271 and Up	Lyc. IGSO-480-A	AA442CW	442CW-OH SERIES
70 Non Deice or Deice	LB1 and up	Lyc. IGSO-480-A	AA442CW	442CW-OH SERIES
76	ME1 and up	Lyc. O-360-A, LO-360-A	AA3215CC, LH	215CC-OH SERIES
			AA3216CW RH	216CW-OH SERIES
77	WA-1 and up	Lyc. O-235-L2C	AA3215CC	215CC-OH SERIES
95, B95		Lyc. O-360-A	AA3215CC	215CC-OH SERIES
B95A	TD708 and up	Lyc. IO-360-B	AA3215CC	215CC-OH SERIES
Deice	TD708 and up	Lyc. IO-360-B	AA441CC	441CC-OH SERIES
Bellanca (Aeronca, Alexanderia, American Champion)				
7AC		Lyc. O-235-C	AA3215CC	215CC-OH SERIES
7GC, 7HC		Lyc. O-290-D	AA3215CC	215CC-OH SERIES
7GCA, 7GCB, 7KC, 7GCBA		Lyc. O-320-A	AA3215CC	215CC-OH SERIES
Beechcraft				
7ECA		Cont. O-200-A	AA3215C-9	215CC-9OH SERIES
		Lyc. O-235-C	AA3215CC	215CC-OH SERIES
7GCAA, 7GCBC		Lyc. O-320-A,-C	AA3215CC	215CC-OH SERIES
		Lyc. O-235-C	AA3215CC	215CC-OH SERIES
7KCAB, 8KCAB		Lyc. IO-320-E	AA3215CC	215CC-OH SERIES
8GCBC		Lyc. O-360-C	AA3215CC	215CC-OH SERIES
14-19-2		Cont. O-470-D	AA3216CW	216CW-OH SERIES
14-19-3		Cont. O-470-F	AA3216CW	216CW-OH SERIES
14-19-3A		Cont. O-470-F	AA3216CW	216CW-OH SERIES
17-30 Viking		Cont. IO-520-D	AA3216CW	216CW-OH SERIES
17-30A Super Viking (75 and up)		Cont IO-520-K	AA31216CW	216CW-OH SERIES
17-31, 17-31TC		Lyc. IO-540-G	AA3215CC	215CC-OH SERIES
			AA441CC-7	441CC-7OH SERIES
17-31A, 17-31ATC		Lyc. IO-540-G	AA3215CC	215CC-OH SERIES
			AA441CC-7	441CC-7OH SERIES
Britten Norman				
BN-2A Islander	Non Deice	Lyc. O-540-E, IO-540-K	AA3216CW	216CW-OH SERIES
	Deice		AA442CW	442CW-OH SERIES

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Dry Air Pumps continued from previous page

Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Cessna				
120, 140 w/ Lycoming		Lyc. O-235	AA3215CC	215CC-OH SERIES
150, 150A, B, C	17001 thru 15060087	Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
150D	15060088 thru 15060772	Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
150J,K,L,M	15069309 thru 15078505	Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
A150K,L,M	A1500001 thru A1500685	Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
F150K,L,M	F15000530 thru F15001339	Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
FA150K,L,M	FA1500001 thru FA1500312	Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
152	15279404 and up	Lyc. O-235	AA3215CC	215CC-OH SERIES
	Electric Standby 15285940 and up		AA3216CW Standby	216CW-OH SERIES
A152	A1520735 and up	Lyc. O-235	AA3215CC	215CC-OH SERIES
	Electric Standby A1521028 and up		AA3216CW Standby	216CW-OH SERIES
F152	F15201429 thru F15201808	Lyc. O-235	AA3215CC	215CC-OH SERIES
FA152	FA15200337 and up	Lyc. O-235	AA3215CC	215CC-OH SERIES
172 w/Pully Driven Pump	F17249545 thru 17251822	Cont. O-300-A,-B		212CW-6, 216CW-6
	17251823 thru 17256512	Cont. O-300-C		212CW-6, 216CW-6
172A,B,C,D,E,F,G,H	All	Cont. O-300-D	AA3215CC	215CC-OH SERIES
172 I thru P	17256513 thru 17257164	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
	17257165 thru 17259760	Lyc. O-320-E	AA3215CC-9	215CC-OH SERIES
	17259761 thru 17265685 and up	Lyc. O-320E, -H	AA3215CC	215CC-OH SERIES
172Q	17276260 and up	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
	Electric Standby		AA3216CW Standby	216CW-OH SERIES
172R,S	17280001 and up	Lyc. IO-360-L	AA3215CC Upper	215CC-OH SERIES
			AA3216CW Lower	216CW-OH SERIES
172RG		Lyc. O-360-F	AA3215CC	215CC-OH SERIES
F172	F17200805 thru F17201234	Cont. O-300-D	AA3215CC-9	215CC-9OH SERIES
	F17201235 thru F17201385 and Up	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
	F17202234 and up	Lyc. O-320-D	AA3215CC	215CC-OH SERIES
	Electric Standby		AA3216CW Standby	216CW-OH SERIES
FR172K (Hawk XP)	FR17200591 thru FR17200675	Cont. O-300-K,-KB	AA3215CC	215CC-OH SERIES
P172, P172D	P17257120 thru P17257188	Cont. GO-300-E	AA3216CW	216CW-OH SERIES
R172E and R172F Hawk XP		Cont. IO-360-D	AA3215CC	215CC-OH SERIES
R172H Hawk XP		Cont. IO-360-C,-D,-H	AA3215CC	215CC-OH SERIES
R172J Hawk XP		Cont. IO-360-H,-HB	AA3215CC	215CC-OH SERIES
R172K	R1722000 thru R1723454	Cont. IO-360-K,-KB	AA3215CC	215CC-OH SERIES
175, 175A,B,C		Cont. GO-300A,-C,-D,-E	AA3215CC	215CC-OH SERIES
177	17700001 thru 17701164	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
	17701165 thru 17701530	Lyc. O-360-A	AA3215CC-9	215CC-9OH SERIES
	17701531 thru 17702752	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
177RG	All	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
F177RG	F177RG001 thru F177RG0177	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
180, 180A thru F	w/ Conversion Kit	Cont. O-470-L,-K,-R	AA3216CW	216CW-OH SERIES
180G,H,J	18051313 thru 18052384	Cont. O-470-A,-K,-L,-R,-S	AA3216CW	216CW-OH SERIES
182 A thru G	w/ Conversion Kit	Cont. O-470-L,-R,-S,-U	AA3216CW	216CW-OH SERIES
182N, P	18260446 thru 18265176 and Up	Cont. O-470-R,-S	AA3216CW	216CW-OH SERIES
	Electric Driven Pump 18268435 and up	Cont. O-470-R,-S	AA3216CW	216CW-OH SERIES
182Q thru R		Cont. O-470-U	AA3216CW	216CW-OH SERIES
182S, 182T, T182T		Lyc. IO-540-A	AA3215CC Upper	215CC-OH SERIES
			AA3216CW Lower	216CW-OH SERIES
F182	F18200001 thru F18200169	Cont. O-470-S,-U	AA3216CW	216CW-OH SERIES
FR182	F18200001 thru F18200070	Lyc. O-540-J	AA3215CC	215CC-OH SERIES
R182, TR182	R18200001 and up	Lyc. O-540-J	AA3215CC	215CC-OH SERIES
	Electric Drive Pump R18202000 and up		AA3216CW	216CW-OH SERIES
T182	18267716 thru 18268434	Lyc. O-540-L	AA3215CC	215CC-OH SERIES
	18268435 and up		AA3216CW	216CW-OH SERIES
	Electric Driven Pump 18268435 and Up		AA3216CW	216CW-OH SERIES
185A, B	w/ Conversion Kit	Cont. IO-470-F	AA3216CW	216CW-OH SERIES
185C,D,E	185-0654 thru 18502310	Cont. IO-470-F, IO-520-D	AA3216CW	216CW-OH SERIES
A185E, F		Cont. IO-520-D	AA3216CW	216CW-OH SERIES
188, 188A, 188B Ag Wagon		Cont. O-470-R,-S	AA3216CW	216CW-OH SERIES
A188, A188A, A188B		Cont. IO-520-D	AA3216CW	216CW-OH SERIES

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Dry Air Pumps continued from previous page

Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Cessna continued				
205, 205A		Cont. IO-470-S	AA3216CW	216CW-OH SERIES
206, U206, U206A, P206, P206A thru E		Cont. IO-520-A	AA3216CW	216CW-OH SERIES
206H	20680001 and up	Lyc. IO-540-A	AA3215CC Upper	215CC-OH SERIES
			AA3216CW Lower	216CW-OH SERIES
U206B thru G		Cont. IO-520-F	AA3216CW	216CW-OH SERIES
U206, TU206 Single Pump	20602200 thru U20606440 and Up	Cont. IO-520-FC, TSIO-520-C,-M	AA3216CW	216CW-OH SERIES
U206, TU206 Dual Pump	U20606700 and up	Cont. IO-520-A,-F, TSIO-520-C,-M	AA3216CW (RH)	216CW-OH SERIES
U206, TU206	Electric Standby U20606847	Cont. IO-520-A,-F, TSIO-520-C,-M	AA3216CW	216CW-OH SERIES
TU206A thru E, TP206A thru E		Cont. TSIO-520-C	AA3216CW	216CW-OH SERIES
TU206F		Cont. TSIO-520-C	AA244CW	244CW-OH SERIES
207,T207	All	Cont. IO-520-F, TSIO-520-G,-M	AA3216CW	216CW-OH SERIES
210 Non Deice, Single Pump	21059810, 21059819 thru 21064898 and up	Cont. IO-470-E,-S, IO-520-L	AA3216CW	216CW-OH SERIES
210 Non Deice, Dual Pump w/ Conversion Kit	21064136 thru 21064535 w/SK210-103 Mod 21064536 thru 21064772	Cont. IO-470-E,-S, IO-520-A,-L	AA3216CW	216CW-OH SERIES
210 Electric System w/ Conversion Kit	21064898 and up	Cont. IO-470-E,-S, IO-520-A, -L	AA3216CW	216CW-OH SERIES
210 Deice, Single Pump w/ Conversion Kit	21059840, 21059819 thru 21064135	Cont. IO-470-E,-S, IO-520-A,-L	AA442CW-8	442CW-8OH SERIES
210 Deice, Dual Pump	21064136 thru 21064535 w/SK210-103 Mod	Cont. IO-520-A,-J, -L	AA3216CW (LH)	216CW-OH SERIES
			AA442CW-8 (RH)	442CW-8OH SERIES
	21064536 thru 21064772		AA3216CW (LH)	216CW-OH SERIES
			AA442CW-8 (RH)	442CW-8OH SERIES
	21064773 and up		AA442CW-8	442CW-8OH SERIES
T210 Non Deice, Single Pump	21059810, 21059819 thru 210664536 and up	Cont. TSIO-520-C,-H,-R	AA3216CW	216CW-OH SERIES
Non Deice Dual Pump	21064136 thru 21064535 w/SK210-103 Mod 21064536 thru 21064772	Cont. TSIO-520-C,-H,-R	AA3216CW	216CW-OH SERIES
T210 w/ Electric Driven System	21064898 and up	Cont. TSIO-520-C,-H,-R	AA3216CW	216CW-OH SERIES
T210		Cont. TSIO-520-C,-H,-R	AA442CW-8	442CW-8OH SERIES
T210 Deice, Single Pump	21059810, 21059819 thru 21064135	Cont. TSIO-520-C,-H,-R	AA442CW-8	442CW-8OH SERIES
T210 Deice, Dual Pump	21064136 thru 21064535 w/SK210-103 Mod	Cont. TSIO-520-C,-H,-R	AA3216CW (LH)	216CW-OH SERIES
			AA442CW-8 (RH)	442CW-8OH SERIES
	21064536 thru 21064897		AA3216CW (LH)	216CW-OH SERIES
			AA442CW-8 (RH)	442CW-8OH SERIES
	21064898 and up		AA442CW-8	442CW-8OH SERIES
P210 Non Deice, Single Pump	P21000001 thru 21000812 and up	Cont. TSIO-520-P	AA3216CW	216CW-OH SERIES
P210 Non Deice, Dual Pumps	P21000761 thru P21000835 and up	Cont. TSIO-520-P	AA3216CW	216CW-OH SERIES
P210 Electric Driven Pump	P21000835 and up P21000001 thru 21000760 w/ SK210-105 & 103 Mod.	Cont. TSIO-520-P	AA3216CW	216CW-OH SERIES
P210 Deice, Single Pump	P21000001 thru P21000835 and up	Cont. TSIO-520-P	AA442CW-8	442CW-8OH SERIES
P210 Deice, Dual Pump	P21000001 thru 21000760 w/SK210-105 & -103 Mod	Cont. TSIO-520-P	AA3216CW (LH)	216CW-OH SERIES
			AA442CW-8 (RH)	442CW-8OH SERIES
T303	Non Deice T30300001 and up	Cont. TSIO-520-AE	AA3216CW (LH)	216CW-OH SERIES
		Cont. LTSIO-520-AE	AA3215CC (RH)	215CC-OH SERIES
	Deice T30300001 and up	Cont. TSIO-520-AE	AA442CW-8 (LH)	442CW-8OH SERIES
		Cont. LTSIO-520-AE	AA441CC-3 (RH)	441CC-3OH SERIES
305A thru F		Cont. O-470	AA3216CW	216CW-OH SERIES
310		Cont. O-470-B,-M	AA3216CW	216CW-OH SERIES
310A, 310B		Cont. O-470-B,-M	AA3216CW	216CW-OH SERIES
310C thru H and J	Non Deice	Cont. O-470-D,-U	AA3216CW, AA242CW	216CW-OH SERIES, 244CW-OH SERIES
	Deice		AA442CW	442CW-OH SERIES
E310H, E310J	Non Deice	Cont. IO-470-D,-U	AA3216CW, AA242CW	216CW-OH SERIES, 244CW-OH SERIES
	Deice		AA442CW	442CW-OH SERIES

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Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Cessna continued				
310I, 310J	Non Deice w/ Conversion Kit	Cont. IO-470-U	AA3216CW, AA242CW	216CW-OH SERIES, 244CW-OH SERIES
	Deice		AA442CW	442CW-OH SERIES
310K	Non Deice	Cont. IO-470-V,-VO	AA3216CW, AA242CW	216CW-OH SERIES, 244CW-OH SERIES
	Deice		AA442CW	442CW-OH SERIES
310L w/ Auto Pilot	310L0001 and up	Cont. IO-470-V,-VO	AA244CW	244CW-OH SERIES
310N w/ Auto Pilot	310N0001 and up	Cont. IO-470-VO	AA244CW	244CW-OH SERIES
310P w/o Auto Pilot	w/ Conversion Kit 310P0001 and up	Cont. IO-470-VO	AA3216CW	216CW-OH SERIES
310P w/ Auto Pilot	310P0001 and up	Cont. IO-470-VO	AA244CW	244CW-OH SERIES
310Q, w/o Auto Pilot	w/ Conversion Kit 310Q0953 and up	Cont. IO-470-VO	AA3216CW	216CW-OH SERIES
310Q, w/ Auto Pilot	w/ Conversion Kit 310Q0001 thru 310Q0460 and Up	Cont. IO-470-VO	AA244CW	244CW-OH SERIES
310R Non Deice	310R0001 and up	Cont. IO-520-M,-MB	AA3216CW	216CW-OH SERIES
310R Deice	310R0001and up	Cont. IO-520-M,-MB	AA442CW	442CW-OH SERIES
T310P,Q,R	w/ Conversion Kit	Cont. TSIO-520-B,-BB	AA244CW	244CW-OH SERIES
	Deice	Cont. TSIO-520-B,-BB	AA442CW	442CW-OH SERIES
320, -1, -A, -B	w/ Auto Pilot	Cont. TSIO-470-B,-C	AA3216CW	216CW-OH SERIES
	w/o Auto Pilot, w/ Conversion Kit	Cont. TSIO-470-B,-C	AA244CW	244CW-OH SERIES
	w/ Deice, w/ Conversion Kit	Cont. TSIO-470-B,-C	AA442CW	442CW-OH SERIES
320	w/o Auto Pilot w/ Conversion Kit	Cont. TSIO-470-D	AA3216CW	216CW-OH SERIES
	w/ Auto Pilot	Cont. TSIO-470-D	AA244CW	244CW-OH SERIES
	Deice	Cont. TSIO-470-D	AA442CW	442CW-OH SERIES
320D thru F	w/ Conversion Kit	Cont. TSIO-520-B,-BB	AA244CW	244CW-OH SERIES
	Deice w/ Conversion Kit	Cont. TSIO-520-B,-BB	AA442CW	442CW-OH SERIES
321		Cont. O-470-2	AA3216CW	216CW-OH SERIES
335	Non Deice 3350001 thru 3350065	Cont. TSIO-520-EB	AA3216CW	216CW-OH SERIES
	Deice 3350001 thru 3350065	Cont. TSIO-520-EB	AA442CW	442CW-OH SERIES
336	3360001 thru 3360195	Cont. IO-360-A	AA3215CC	215CC-OH SERIES
337 Non Deice	3370001 thru 3370963	Cont. IO-360-C,-D,-DB	AA3215CC	215CC-OH SERIES
	3370964 thru 3371193		AA3215CC-9	215CC-9OH SERIES
	3371194 thru 33701611		AA3215CC	215CC-OH SERIES
337 Deice	33701490 and up	Cont. IO-360-C,-D,-DB	AA441CC	441CC-OH SERIES
F337 Non Deice	F33700001 thru F33700086	Cont. IO-360-C, -D,-DB	AA3215CC	215CC-OH SERIES
F337 Deice	F33700056 and up	Cont. IO-360-C,-D,-DB	AA441CC	441CC-OH SERIES
FT337 Non Deice	FP3370001 thru FP3370016 and up	Cont. IO-360-C,-D,-DB	AA3215CC	215CC-OH SERIES
FT337 Deice	FP3370001 and up	Cont. IO-360-D,-DB	AA441CC	441CC-OH SERIES
M337B		Cont. IO-360-D,-DB	AA3215CC	215CC-OH SERIES
P337 Non Deice	P3370001 thru P3370226	Cont. TSIO-360-C,-CB	AA3215CC	215CC-OH SERIES
	P3370053 and up		AA441CC	441CC-OH SERIES
P337H Deice	Non Deice	Cont. TSIO-360-C,-DB	AA3215CC	215CC-OH SERIES
	Deice		AA441CC	441CC-OH SERIES
T337B	Non Deice	Cont. TSIO-360-A,-B	AA3215CC	215CC-OH SERIES
	Deice	Cont. TSIO-360-A	AA441CC	441CC-OH SERIES
T337C thru F	Non Deice	Cont. TSIO-360-A	AA3215CC	215CC-OH SERIES
	Deice		AA441CC	441CC-OH SERIES
T337G Non Deice	P3370001 thru P3370226	Cont. TSIO-360-C,-CB	AA3215CC	215CC-OH SERIES
T337G Deice	P3370053 and up		AA441CC	441CC-OH SERIES
T337, T337H-SP		Cont. TSIO-360H,-HB,-JB	AA3215CC	215CC-OH SERIES
340 w/ Single Instruments	3400001 and up	Cont. TSIO-520-K,-KB	AA3216CW	216CW-OH SERIES
340 w/ Dual Instruments	3400001 and up	Cont. TSIO-520-K,-KB	AA442CW	442CW-OH SERIES
340 w/ Auto Pilot	3400001 and up	Cont. TSIO-520-K,-KB	AA244CW	244CW-OH SERIES
340A Non Deice, Single Instruments	340A0001 and up	Cont. TSIO-520-N,-NB	AA3216CW	216CW-OH SERIES
340A Non Deice Dual Instruments	340A0001 and up	Cont. TSIO-520-N,-NB	AA442CW	442CW-OH SERIES
340A w/ Auto Pilot	340A0001 and up	Cont. TSIO-520-N,-NB	AA244CW	244CW-OH SERIES
340A Deice	340A0201 thru 340A1805 and up	Cont. TSIO-520-N,-NB	AA442CW	442CW-OH SERIES
401, 401A w/o Auto Pilot	401-0001 and up, 401A0001 and up	Cont. TSIO-520-E,-EB	AA3216CW	216CW-OH SERIES
401, 401A w/ Auto Pilot			AA244CW	244CW-OH SERIES
401B w/o Auto Pilot	401B0001 thru 401B0300	Cont. TSIO-520-E,-EB	AA3216CW	216CW-OH SERIES

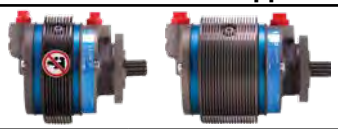
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Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Cessna continued				
401B w/ Auto Pilot	401B0001 thru 401B0300	Cont. TSIO-520-E,-EB	AA244CW	244CW-OH SERIES, 442CW-OH SERIES
402 w/ Conversion Kit		Cont. TSIO-520-E,-EB	AA3216CW	216CW-OH SERIES
402A	w/o Auto Pilot w/ Conversion Kit	Cont. TSIO-520-E,-EB	AA3216CW	216CW-OH SERIES
	w/ Auto Pilot w/ Conversion Kit		AA244CW	244CW-OH SERIES
402B w/o Auto Pilot	402B0001 thru 402B0101 and Up	Cont. TSIO-520-E,-EB	AA3216CW	216CW-OH SERIES
402B w/ Auto Pilot	402B0001 thru 402B0101 and Up	Cont. TSIO-520-E,-EB	AA244CW	244CW-OH SERIES, 442CW-OH SERIES
404 Titan		Cont. GTSIO-520-M	AA3215CC	215CC-OH SERIES
411, 411A	w/o Auto Pilot	Cont. GTSIO-520-C	AA3215CC	215CC-OH SERIES
	w/ Auto Pilot		AA241CC	241CC-OH SERIES
414, 414A Vac. Instrument	4140001 thru 4140349	Cont. TSIO-520-J,-JB,-N,-NB	AA3216CW	216CW-OH SERIES
414, 414A w/ Auto Pilot	4140001 thru 4140349	Cont. TSIO-520-J,-JB,-N,-NB	AA244CW	244CW-OH SERIES
414, 414A Pressure Instruments	4140251 and up	Cont. TSIO-520-J,-JB,-N,-NB	AA3216CW	216CW-OH SERIES
414, 414A w/ Auto Pilot	4140251 and up	Cont. TSIO-520-J,-JB,-N,-NB	AA244CW	244CW-OH SERIES
414A w/ Dual Instruments		Cont. TSIO-520-J,-JB,-N,-NB	AA442CW	442CW-OH SERIES
414A Deice		Cont. TSIO-520-J,-JB,-N,-NB	AA442CW	442CW-OH SERIES
421, A, B w/o Auto Pilot	421B0001 thru 421B0602 and up	Cont. GTSIO-520-D,-H	AA3215CC	215CC-OH SERIES
421, A , B w/ Auto Pilot	421B0001 thru 421B0602 and up	Cont. GTSIO-520-D,-H	AA241CC	241CC, AA241CC
421C Non Deice	1976 thru 1985	Cont. GTSIO-520-L,-N	AA3215CC	215CC-OH SERIES
421C Dual Instrument	C1097 and up	Cont. GTSIO-520-L,-N	AA441CC	441CC-OH SERIES
421C Deice	1976 thru 1985	Cont. GTSIO-520-L,-N	AA441CC	441CC-OH SERIES
Cirrus				
SR20		Cont. IO-360-ES	AA3215CC	215CC-OH SERIES
Grumman American / American Aviation / American General / Gulfstream / Tiger Aircraft				
AA-1, AA1A		Lyc. O-235-C	AA3215CC	215CC-OH SERIES
AA-1B TC	AA-1B-0219 and Up Except AA1B-243 and 246 thru 250	Lyc. O-235-C	AA3215CC	215CC-OH SERIES
	AA-1B-0379 and up			
AA-1C, T	(Model Years 1977/1978)	Lyc. O-235-L	AA3215CC	215CC-OH SERIES
AA-5		Lyc. O-320-E	AA3215CC	215CC-OH SERIES
AA-5A	(Model Years 1977, 1978, 1979)	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
AA-5B	(Model Years 1977, 1978, 1979)	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
GA-7		Lyc. O-320-D	AA3215CC	215CC-OH SERIES
Helio				
H295	1204 and up	Lyc. GO-480-G	AA3216CW	216CW-OH SERIES
Lake				
LA-4-200 Buccaneer	437 and up	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
250 and Turbo 250 Renegade		Lyc. O-540-C	AA3215CC	215CC-OH SERIES
Maule				
M-4-180		Franklin 6A-335-B	AA3216CW	216CW-OH SERIES
M-4-210		Cont. IO-360-A,-D	AA3215CC	215CC-OH SERIES
M-4-220		Franklin 6A-350-C	AA3216CW	216CW-OH SERIES
M-5-180C		Lyc. O-360-C	AA3215CC	215CC-OH SERIES
M-5-200		Lyc. IO-360-J	AA3215CC	215CC-OH SERIES
M-5-235		Lyc. O-540-J, IO-540-W	AA3215CC	215CC-OH SERIES
M-6-180		Lyc. O-360-C	AA3215CC	215CC-OH SERIES
M-6-235		Lyc. O-540-J, IO-540-W	AA3215CC	215CC-OH SERIES
Mooney				
M20		Lyc. O-320	AA3215CC	215CC-OH SERIES
M20A		Lyc. O-360-A	AA3215CC	215CC-OH SERIES
M20B	1701B thru 1939B	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
M20C	1940C up, 680001C thru 680225C, 690001 thru 700091	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
	20-0001 thru 20-0045, 20-1147 and up	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
M20D	101D and up	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
M20E	101E and up, 690001 thru 700061	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
	21-0001 thru 21-0060, 21-1161 and up	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
M20F	670001 thru 680215, 690001thru 700072	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
	22-0001 thru 22-0078, 22-1179 and up	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
M20G	680001 thru 680205, 690001 thru 700006	Lyc. IO-360-A	AA3215CC	215CC-OH SERIES

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Dry Air Pumps continued from previous page



Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Mooney continued				
M20K w/ Single Alternator	25-1001 thru 25-1087	Cont. TSIO-360-G,-L,-M,-S	AA3215CC	215CC-OH SERIES
			AA241CC	241CC, AA241CC
	25-1088 and up		AA3215CC	215CC-OH SERIES
			AA241CC	241CC, AA241CC
M20K w/ Dual Alternator	25000 and up		AA3216CW	216CW-OH SERIES
			AA244CW	244CW-OH SERIES
M20K w/ Standby System	25-1001 and up	Cont. TSIO-360-G,-L,-M,-S	AA3216CW	216CW-OH SERIES
M20M		Lyc. TIO-540-A	AA243CC-15	243CC-15OH SERIES
M20R		Cont. IO-550-G	AA244CW	244CW-OH SERIES
M22	670001 thru 670004 and 680001 and up	Lyc. TIO-541	AA3216CW	216CW-OH SERIES
Navion				
Model G		Cont. IO-470-H	AA3216CW	216CW-OH SERIES
Model H		Cont. IO-520-B	AA3216CW	216CW-OH SERIES
Piaggio				
P.136-L		Lyc. GO-435-C2B	AA3216CW	216CW-OH SERIES
Piper				
J5C		Lyc. O-235-C	AA3215CC	215CC-OH SERIES
PA-12, PA-12S		Lyc. O-235-C	AA3215CC	215CC-OH SERIES
PA-14		Lyc. O-235-C1	AA3215CC	215CC-OH SERIES
PA-16, -16S		Lyc. O-235-C1	AA3215CC	215CC-OH SERIES
PA-18	18-8020 thru 18-7609013 and Up, 189001 and up	Lyc. O-235-C, O-290-D, O-320	AA3215CC	215CC-OH SERIES
PA-20-115, PA-20S-115		Lyc. O-235-C	AA3215CC	215CC-OH SERIES
PA-20, -20S, -20-135, -20S-135		Lyc. O-290-D,-D2	AA3215CC	215CC-OH SERIES
PA-22		Lyc. O-290-D,-D2	AA3215CC	215CC-OH SERIES
PA-22-108	22-8000 thru 22-8710 and up	Lyc. O-235-C	AA3215CC	215CC-OH SERIES
PA-22-135, PA-22S-135		Lyc. O-290-D	AA3215CC	215CC-OH SERIES
PA-22-150, PA-22S-150		Lyc. O-320-A,-B	AA3215CC	215CC-OH SERIES
PA-22-160, PA-22S-160		Lyc. O-320-A,-B	AA3215CC	215CC-OH SERIES
PA-23-160H	23-2395 and up	Lyc. O-320-A,-B,-C	AA3215CC	215CC-OH SERIES
PA-23-235 Non Deice	27-505 thru 27-622	Lyc. O-540-A	AA3215CC	215CC-OH SERIES
PA-23-235 Deice	27-549 thru 27-622	Lyc. O-540-A	AA441CC-7	441CC-7OH SERIES
PA-23-250 Non Deice, Single Inst.	27-2000 thru 27-7654001	Lyc. O-540-A	AA3215CC	215CC-OH SERIES
PA-23-250 Non Deice, Dual Inst.	27-7554001 and up	Lyc. O-540-A	AA441CC-7	441CC-7OH SERIES
PA23-250 Deice	27-4510 thru 27-7654001	Lyc. O-540-A	AA441CC-7	441CC-7OH SERIES
	27-7554112 thru 27-7554168			
PA-24-180	24-2176, 24-2177, 24-2179 thru 24-2184	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
	24-2186 thru 24-2202, 24-2204 thru 24-2218			
	24-2222, 24-2999 thru 24-2587 except 24-2563			
	24-2563, 24-2588 and up			
PA-24-250	24-2563, 24-2588 and up	Lyc. IO-540-D,-N,-R	AA3215CC	215CC-OH SERIES
PA-24-260	24-3842, 24-4000 and up	Lyc. O-540-D,-E,-N,-R	AA3215CC	215CC-OH SERIES
PA-24-400	26-2 and up	Lyc. IO-720	AA3215CC	215CC-OH SERIES
PA-25		Lyc. O-320,-A	AA3215CC	215CC-OH SERIES
PA-25-235, -260		Lyc. O-540-B,-G	AA3215CC	215CC-OH SERIES
PA-28-140	28-20002 thru 28-26958, 28-7125001 thru 28-7425454	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
	28-7585001 and up			
PA-28-150	28-1 thru 28-4377	Lyc. O-320-A,-E	AA3215CC	215CC-OH SERIES
PA-28-151	28-7415001 thru 28-7415713	Lyc. O-320-E	AA3215CC	215CC-OH SERIES
	28-7515001 thru 28-7715314			
PA-28-160	28-1 thru 28-4377	Lyc. O-320-D	AA3215CC	215CC-OH SERIES
PA-28-161	28-7716001 and up	Lyc. O-320-D	AA3215CC	215CC-OH SERIES
	2841001 and up w/ Aux. Pump System			
PA-28-180, PA-28S-180	28-671 thru 28-5869, 28-7105001 thru 28-7406290	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
	28-7505001 thru 28-7505261			

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Dry Air Pumps continued from previous page

Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Piper continued				
PA-28R-180	28R-30005 thru 28R31279, 28R7130001 thru 7130019	Lyc. IO-360-B	AA3215CC	215CC-OH SERIES
	28R-75350001 and up			
PA-28-181	28-7690001 and up, 28-90206 and up	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
PA-28R-200	28R-30482, 28R-35001 thru 28R-35830	Lyc. IO-360-C	AA3215CC	215CC-OH SERIES
	28R-7135001 thru 28R-7475331			
	28R-7535001 and up			
PA-28-201T	28-7921001 thru 28-7921091	Cont. TSIO-360-F	AA3215CC	215CC-OH SERIES
PA-28R-201	28R-7737002 thru 28R-7837317	Cont. TSIO-360-F	AA3215CC	215CC-OH SERIES
	28R-7837318 and up, 2837001 and up			
PA-28R-201T	28R-7703001 thru 28R-7803374 and up	Cont. TSIO-360-F	AA3215CC	215CC-OH SERIES
	2803001 and up Aux. Pump			
PA-28RT-201	28RT-7918001 thru 28R-8218026	Lyc. IO-360-C	AA3215CC	215CC-OH SERIES
	28RT-8218027 thru 28R-8218039			
	28R-7931001 and up	Cont. TSIO-360-F		
PA-28-235	28-10003 thru 28-11039	Lyc. O-540-B	AA3215CC	215CC-OH SERIES
PA-28-236	28-7911001 and up	Lyc. O-540-J	AA3215CC	215CC-OH SERIES
PA-28-236 w/Aux. Pump System	28-7911001 and up	Lyc. O-540-J	AA3215CC	215CC-OH SERIES
PA-30	30-2 and up	Lyc. IO-320-B	AA3215CC	215CC-OH SERIES
	C/R Option (LH) Engine	Lyc. LIO-320-B	AA3216CW	216CW-OH SERIES
PA-31 Deice	C/R Option (RH) Engine w Wing Locker 31-7812098 and up	Lyc. LTIO-540-A	AA441CC-7 LH, AA442CW-6 RH	441CC-7OH SERIES, 442CW-6OH SERIES
PA-31-300 Non Turbo	Non Deice, Single Instrument	Lyc. IO-540-M	AA3215CC	215CC-OH SERIES
PA-31-300	Non Deice, Dual inst. 31-5 thru 31-7612018	Lyc. IO-540-M	AA441CC-7	441CC-7OH SERIES
PA-31-300	Deice	Lyc. IO-540-M	AA441CC-7	441CC-7OH SERIES
PA-31-325 Non Deice	Single Inst. 31-5 thru 31-7612019 and Up	Lyc. TIO-540-F	AA3215CC (LH)	215CC-OH SERIES
		Lyc. LTIO-540-F	AA3216CW (RH)	216CW-OH SERIES
PA-31-325 Non Deice	Dual Inst. 31-5 thru 31-7612019 and Up	Lyc. TIO-540-F	AA441CC-7 (LH)	441CC-7OH SERIES
		Lyc. LTIO-540-F	AA442CW-6 (RH)	442CW-6OH SERIES
PA-31-325 Deice	31-5 thru 31-7612019 and up	Lyc. TIO-540-F	AA441CC-7 (LH)	441CC-7OH SERIES
		Lyc. LTIO-540-F	AA442CW-6 (RH)	442CW-6OH SERIES
PA-31-350 Non Deice	Single Instruments 31-5001 thru 31-7652124 and up	Lyc. TIO-540-J	AA3215CC (LH)	215CC-OH SERIES
		Lyc. LTIO-540-J	AA3216CW (RH)	216CW-OH SERIES
	Dual Instruments 31-5001 thru 31-7652124 and up	Lyc. TIO-540-J	AA3215CC (LH)	215CC-OH SERIES
		Lyc. LTIO-540-J	AA3216CW (RH)	216CW-OH SERIES
PA-31-350 Deice	31-5001 thru 31-7652123	Lyc. TIO-540-J	AA441CC-7 (LH)	441CC-7OH SERIES
		Lyc. LTIO-540-J	AA442CW-6 (RH)	442CW-6OH SERIES
	31-7652124 thru 31-7952250 w/ Kit 764016 or 764017	Lyc. TIO-540-J	AA441CC-7 (LH)	441CC-7OH SERIES
		Lyc. LTIO-540-J	AA442CW-6 (RH)	442CW-6OH SERIES
	31-8052001 and up	Lyc. TIO-540-J	AA441CC (LH)	441CC-OH SERIES
		Lyc. LTIO-540-J	AA442CW (RH)	442CW-OH SERIES
PA-31P-350 Non Deice	31P-8414001 and up	Lyc. TIO-540-V	AA3215CC (LH)	215CC-OH SERIES
		Lyc. LTIO-540-V	AA3216CW (RH)	216CW-OH SERIES
PA-31P-350 Deice	31P-841400 and up	Lyc. TIO-540-V	AA441CC-7 (LH)	441CC-7OH SERIES
		Lyc. LTIO-540-V	AA442CW-6 (RH)	442CW-6OH SERIES
PA-32-260	32-1 thru 32-7400061, 32-7500001 thru 32-7800008	Lyc. O-540-E	AA3215CC	215CC-OH SERIES
PA-32-300	32-40000 thru 32-744182, 32-7540001 thru 32-7940282	Lyc. IO-540-K	AA3215CC	215CC-OH SERIES
PA-32R-300	32R-7680001 thru 32R-7880088	Lyc. IO-540-K	AA3215CC	215CC-OH SERIES
PA-32RT-300	32R-7885001 thru 32R-7985125	Lyc. IO-540-K	AA3215CC	215CC-OH SERIES
PA-32RT-300T	32R-7887001 thru 32R-7987146	Lyc. TIO-540-S	AA3215CC	215CC-OH SERIES
PA-32-301	32-8006001 and up	Lyc. IO-540-K	AA3215CC	215CC-OH SERIES
PA-32-301T	32-8024001 and up	Lyc. TIO-540-S	AA3215CC	215CC-OH SERIES
PA-32R-301 Non Deice	32R-8013001 and up	Lyc. IO-540-K	AA3215CC	215CC-OH SERIES
PA-32R-301T Non Deice	32R-8129001and up	Lyc. TIO-540-S	AA3215CC	215CC-OH SERIES
PA-32R-301T Deice	32R-8129012 and up	Lyc. TIO-540-S	AA442CW-6	442CW-6OH SERIES
PA-34-200 Non Deice or Deice	34-7250001 thru 34-7450220	Lyc. IO-360-C	AA3215CC, (LH)	215CC-OH SERIES
		Lyc. LIO-360-C	AA3216CW, (RH)	216CW-OH SERIES
PA-34-200T Non Deice	34-7570001 thru 34-7870492	Cont. TSIO-360-E	AA3215CC, (LH)	215CC-OH SERIES
		Cont. LTSIO-360-E	AA3216CW, (RH)	216CW-OH SERIES
	34-7970001 thru 34-8170092	Cont. TSIO-360-E	AA3215CC, (LH)	215CC-OH SERIES
		Cont. LTSIO-360-E	AA3216CW, (RH)	216CW-OH SERIES

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Dry Air Pumps continued from previous page

Aircraft		Engine	Dry Air Pumps	
			New P/N	Overhauled P/N
Piper continued				
PA-34-200T Deice	Single Inst. 34-7570001 thru 34-8170092	Cont. TSIO-360-E	AA441CC-7, (LH)	441CC-7OH SERIES
		Cont. LTSIO-360-E	AA442CW-6, (RH)	442CW-6OH SERIES
	Dual Inst. 34-7570001 thru 34-8170092	Cont. TSIO-360-E	AA441CC-7, (LH)	441CC-7OH SERIES
		Cont. LTSIO-360-E	AA442CW-6, (RH)	442CW-6OH SERIES
PA-34-220T Non Deice	34-8133001 and up	Cont. TSIO-360-K	AA3215CC, (LH)	215CC-OH SERIES
		Cont. LTSIO-360-K	AA3216CW, (RH)	216CW-OH SERIES
PA-34-220T Deice 14 Volt	34-8133001 thru 34-448001	Cont. TSIO-360-K	AA441CC-7, (LH)	441CC-7OH SERIES
		Cont. LTSIO-360-K	AA442CW-6, (RH)	442CW-6OH SERIES
PA-34-220T Deice 28 Volt	34-448002 and up	Cont. TSIO-360-K	AA441CC-7, (LH)	441CC-7OH SERIES
		Cont. LTSIO-360-K	AA442CW-6, (RH)	442CW-6OH SERIES
PA-36-300		Lyc. IO-540-K	AA3215CC	215CC-OH SERIES
PA-38-112		Lyc. O-235-L2C	AA3215CC	215CC-OH SERIES
PA-39	C/R 39-1 thru 39-155	Lyc. IO-320-B	AA3215CC, (LH)	215CC-OH SERIES
		Lyc. LIO-320-B	AA3216CW, (RH)	216CW-OH SERIES
PA-40 Non Deice		Lyc. IO-320-B	AA3215CC, (LH)	215CC-OH SERIES
		Lyc. LIO-320-B	AA3216CW, (RH)	216CW-OH SERIES
PA-44-180 Non Deice	44-7995001 thru 44-8195026, 44-95001 and up	Lyc. O-360-A,-E	AA3215CC, (LH)	215CC-OH SERIES
		Lyc. LO-360-E	AA3216CW, (RH)	216CW-OH SERIES
PA-44-180T Non Deice	44-8107001 thru 44-8207020	Lyc. TO-360-E	AA3215CC, (LH)	215CC-OH SERIES
		Lyc. LTO-360-E	AA3216CW, (RH)	216CW-OH SERIES
PA-44-180T Deice	44-8107033, 44-8207007 and up	Lyc. TO-360-E	AA441CC-7, (LH)	441CC-7OH SERIES
		Lyc. LTO-360-E	AA442CW-6, (RH)	442CW-6OH SERIES
PA-46-310P Non Deice, Single Pump System	46-8408001 thru 46-8608067, 46-08001 thru 46-08140	Cont. TSIO-520-B	AA3216CW	216CW-OH SERIES
PA-46-310P Non Deice or Deice w/ Standby System	46-8408001 thru 46-8608067, 46-08001 thru 46-08140	Cont. TSIO-520-B	AA442CW-6, (LH)	442CW-6OH SERIES
PA-46-350 Non Deice, Single Pump	46-22001 and up	Lyc. TIO-540-AE	AA3216CW	216CW-OH SERIES
PA-46-350P Non-Deice, Dual Pump	46-22001 and up	Lyc. TIO-540-AE	AA441CC-17, Upper	441CC-17OH SERIES
			AA442CW-6, Lower	442CW-6OH SERIES
PA-46-350P Deice	46-22001 and up	Lyc. TIO-540-AE	AA441CC-17, Upper	441CC-17OH SERIES
			AA442CW-6, Lower	442CW-6OH SERIES
Rockwell /Gulfstream / Commander				
100		Lyc. O-320-A	AA3215CC	215CC-OH SERIES
112	1 thru 125	Lyc. O-360-C	AA3215CC	215CC-OH SERIES
112A	126 thru 499	Lyc. IO-360-C	AA3215CC	215CC-OH SERIES
112B	500and up	Lyc. IO-360-C	AA3215CC	215CC-OH SERIES
112TC	13000 thru 13149	Lyc. TO-360-C	AA3215CC	215CC-OH SERIES
112TCA	13150 and up	Lyc. TO-360-C	AA3215CC	215CC-OH SERIES
114, 114A		Lyc. IO-540-T	AA3215CC	215CC-OH SERIES
100-180	5001 and up	Lyc. O-360-A2F	AA3215CC	215CC-OH SERIES
Socata / Aerospatiale / Eads / Daher				
MS88B		Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
MS892A-150 & E-15O		Lyc. O-320-E	AA3215CC	215CC-OH SERIES
MS893A, E		Lyc. O-360-A	AA3215CC	215CC-OH SERIES
MS894A, E		Franklin 6A-350-C	AA3216CW	216CW-OH SERIES
100S		Cont. O-200-A	AA3215CC-9	215CC-9OH SERIES
150T, ST		Lyc. O-320-E	AA3215CC	215CC-OH SERIES
235E		Lyc. O-540-B	AA3215CC	215CC-OH SERIES
TB9	001 thru 822, 850 thru 947 except 888	Lyc. O-320-D	AA3215CC	215CC-OH SERIES
TB10	001 thru 822, 850 thru 947 except 888	Lyc. O-360-A	AA3215CC	215CC-OH SERIES
TB20	001 thru 822, 850 thru 947 except 888	Lyc. O-540-C	AA3215CC	215CC-OH SERIES
TB21	948 and up	Lyc. TIO-540-A	AA241CC-13	241CC-13OH SERIES
Siai - Marchetti				
S.205-18/F, /R		Lyc. O-360-A	AA3215CC	215CC-OH SERIES
S.205-20/F, /R		Lyc. O-360-A	AA3215CC	215CC-OH SERIES
S.205-22/R		Franklin 6A-350-C	AA3216CW	216CW-OH SERIES
S.208/-A, F.260/-B/-C		Lyc. O-540-E	AA3215CC	215CC-OH SERIES
S.210		Lyc. TIO-360-A	AA3215CC	215CC-OH SERIES
Vulcanair / Partenavia				
P68, P68B, P68C Deice		Lyc. IO-360-A	AA3215CC	215CC-OH SERIES
			AA441CC-23	441CC-23OH SERIES
P68C-TC Deice		Lyc. IO-360-C	AA3215CC	215CC-OH SERIES
			AA441CC-23	441CC-23OH SERIES

Carburetor Assemblies from Marvel Schebler

New, rebuilt, and overhauled Carburetors!

- Advanced inspections and flow test procedures to ensure high performance
- Innovative, fuel-proof epoxy floats — will not absorb fuel!
- To order rebuilt assemblies, add suffix "-M". For overhauled assemblies, add suffix "-H". New assemblies are the same part number as the Marvel-Schebler part number





Engine Model	Marvel-Schebler P/N	Deluxe Repair Kit	Engine Mfg P/N	Model
Continental (Teledyne) Motors				
	10-4115-1 3		627143	MA-3SPA™
	10-4457 3			MA-3SPA™
A-65 or A-75 Series where P/N 627365 is installed	10-4233 1 2 3	286-1632	627365	MA-3PA™
A-65 or A-75 Series where P/N 627366 is installed	10-4240-1 1 2 3	286-2036	627366	MA-3SPA™
C-115 or C-125 Series where P/N 40366 is installed	10-2848 3	286-1629	40366	MA-3SPA™
C-145 or O-300 Series where P/N 633029 is installed	10-4895-1 1 2 3	286-2035	633029	MA-3SPA™
C-90 Series where P/N 627367 is installed	10-4252-2 1 2 3	286-2037	627367	MA-3SPA™
C-90 Series where P/N 629175 is installed	10-4457-1 1 2	286-2038	629175	MA-3SPA™
C-90 Series where P/N 637835 is installed	10-5282 1 2 3	286-1638	637835	MA-3SPA™
O-200 Series where 633028 is installed	10-4894-1 1 2 3	286-2025	633028	MA-3SPA™
O-470 Series where 538872 is installed	10-3859-1 1 2 3	286-1654	538872	MA-4-5™
O-470 Series where 64113 is installed	10-4893-1 1 2 3	286-1669	641139	MA-4-5™
O-470 Series where P/N 646232 is installed	10-5284 1 2 3	286-1790	646232	MA-4-5™
O-470 Series where P/N 10-6050 is installed with STC 1153AT	10-6050 1 2 3			MA-4-5™
O-470J	10-3965-12 3		538872	MA-4-5™
GO-300 Series where 626789 is installed	10-4171 2 3	286-1660	626789	MA-4-5™
Experimental				
	5-3678-32 1 3			
	5-3878 1			
	5-4164-1 1			
	5-5217 1	286-2013		
	5-6200 1 3			
Franklin				
6A-350 Series	10-4865 3	286-1664	20671	MA-5™
6V-350 Series	10-4809 3		20555	MA-5™
Textron Lycoming Engines				
	10-5189	286-1718	LW-13757	HA-6™
O-235-C1, C1B, C2A, C2B, C2C, H2C, L2C	10-3103-1 3	286-1650	61547	MA-3A™
O-235-C1C, M1, M2C, P2A, N2A, L2A	10-5220 1 2 3	286-1771	LW-16073	MA-3PA™
O-235-E2A, C1, H2C, C2A, C2C	10-5050 1 2 3	286-1640	LW-10619	MA-3PA™
O-235-F1B, O-235-C2C, O-235-L2C	10-4953 2 3	286-1617	77585	MA-3A™
O-235-F2A, F2B, G1, J2A, G2A	10-5126 1 2 3	286-1672	LW-13133	MA-3PA™
O-235-H2C	10-5257 1 2 3	286-1772	LW-16677	MA-3PA™
O-235-K2A, K2B, L2A, N2A, H2C, L2C	10-5142 1 2 3	286-1696	LW-14016	MA-3PA™
O-235-K2C, L2A	10-5199 1 2 3	286-1740	LW-15496	MA-3A™
O-235-N2C, P1, M1, N2A	10-5267 1 2 3	286-1783	LW-16907	MA-3PA™
O-290-A, AP, C, (O-290-3 type),-CP,-D, (O-290-11 type), D2, D2A, D2B, D2C	10-3346-1 3	286-1628	62289	MA-3SPA™
O-290-A, AP, C, (O-290-3 type),CP, D, (O-290-11 type),D2, D2A, D2B, D2C	10-3565-1 3	286-1630	62830	MA-3SPA™
O-320 Series	10-4910 1 2 3	286-1668	77279	MA-4SPA™
O-320 Series	10-4910-1 1 2 3	286-2012	LW-16559	MA-4SPA™
O-320 Series	10-5224 1 2 3		LW-15958	HA-6™
O-320-A1A, A2A, A2B, A3A, B1A, B2A	10-3678-12 1 2 3	286-1624	69250	MA-4SPA™
O-320-A1B, A2A, A2B, A2C, A2D, A3B, A3C, B1B, B2B, B2C, B3B, B3C, D1A, D1AD, D1C, D2A, D2B, D2C, E1A, E2A, E2B, E2C, E3D	10-3678-32 1	286-1623	72394	MA-4SPA™
O-320-A1B,D1F,D2F,E1C,E1F,E1J,E2D,E2F,E2G,E3H,H1AD,D2C,E1A,E2C,E3D, H2AD,A2B,B2B,E2A	10-5009 1 2 3	286-1622	78728	MA-4SPA™
O-320-A2C,D1A,D1AD,D2G,D2H,D2J,D3G,E1J,E2A,E2D,E2G,E2H,E3D,E3H,H2AD	10-5217 1 2 3		LW-13659	
O-320-D2G,D2H,D2J,E2H,H2AD,A2C,D1AD,E1J,E2D,E2G,E3H,D1A,E3D,E2A,D3G	10-5217 1 2 3		LW-15986	MA-4SPA™
O-320 and O-360 Series	10-5092	286-1613	LW-12097	HA-6™
O-320, O-360 and LO-360 Series	10-5219 1 2 3	286-1760	LW-15957	HA-6™
O-360 and LO-360 Series	10-5230 1 2 3	286-1762	LW-15959	HA-6™
O-360 and LO-360 Series	10-5255 1 2 3	286-1767	LW-16625	HA-6™
O-360 and LO-360 Series	10-5282 2 3	286-2014	LW-18662	HA-6™
O-360 and LO-360 Series	10-5283 1 2 3	286-2015	LW-18663	HA-6™
O-360 and LO-360 Series	10-6019 1 2 3	286-2020	61E21713	HA-6™
O-360 and LO-360 Series	10-6019-1 1 2 3		61E23632	HA-6™

Eligibility continued on next page

Marvel Schebler Carburetors eligibility continued from previous page

Engine Model	Marvel-Schebler P/N	Deluxe Repair Kit	Engine Mfg P/N	Model
Continental (Teledyne) Motors				
O-360 Series	10-5045-1		LW-12175	HA-6™
O-360 Series	10-5253 1 2 3	286-1768	LW-16518	HA-6™
O-360-A1A,A1AD,A1D,A1F,A1F6D,A1LD,A2A,A2D,A2E,A2F,A3A,A3AD,A4A, A4AD, A4M,A5AD,B2A,C1A,C1C,C1G,C2A,C2C,D2A,D2B	10-3878 1 2 3	286-1670	71098	MA-4-5™
O-360-A1A,A1AD,A1C,A1D,A1F,A1F6,A1F6D,A1LD,A1P,A2A,A2D,A2E,A2F,A3A, A3AD,A3D,A4D,A4AD,A4D,A4G,A4M,A4N,A4P,A5AD,B1A,B1B,B2A,B2B,B2C,C1A, C1C,C1E,C1G,C2A,C2B,C2C,C2D,C2E,C4F,C4P,D1A,D2A,D2B	10-6054 1 2 3		61C22551	MA-4-5™
O-360-A1A,A1AD,A1C,A1D,A1F,A1F6,A1F6D,A1LD,A1P,A2A,A2D,A2E,A2F,A3A, A3AD,A3D,A4D,A4AD,A4D,A4G,A4M,A4N,A4P,A5AD,B1A,B1B,B2A,B2B,B2C,C1A, C1C,C1E,C1G,C2A,C2B,C2C,C2D,C2E,C4F,C4P,D1A,D2A,D2B	10-6102 1 2 3		61C23100	MA-4-5™
O-360-A1F6, A1F6D, A4N, A2F	10-5034		LW-10064	MA-4-5™
O-360-A2D, C1E, C2C, C2E, A1A, A1D, A2A, A2D, A2F, A3A, A4A, C1C, C2A	10-4164-1 1 2 3	286-1661	71710	MA-4-5™
O-360-A4M, A1A, A4A	10-5193 1 2 3	286-1719	LW-15380	MA-4-5™
O-360-A4N	10-5288 1 2 3	286-2017	LW-18788	MA-4-5™
O-360-J2A	10-6045 1 2 3	286-2039	61C22198	MA-4-5™
O-360-J2A	10-6110 1 2 3		61B23955	MA-4SPA™
O-540 Series	10-5042 2 3	286-1646	LW-10196	MA-4-5™
O-540 Series	10-5235 1 2 3	286-1763	LW-15960	HA-6™
O-540 Series	10-6001 1 2 3	286-1784	LW-18987	HA-6™
O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4D5, B1A5, B1B5, B2A5, B2B5, B4B5, E1A5, E4A5, E4B5, E4C5, J1A5D, J1B5D	10-4404 1 2 3	286-1643	72740	MA-4-5™
O-540-B1B3	10-4975		77888	MA-6AA™
O-540-B2C5, B2C5D, G1A5, G1A5D, G2A5, H1B5D, H2A5, H2B5D, A15D, B2B5	10-4044-1 1 2 3		74121	MA-4-5™
O-540-B2B5, B4B5, B4B5D, E4B5D, J2A5D, J3A5D,E4B5, J1A5D, E4B5”	10-5054 1 2 3	286-1647	LW-10540	MA-4-5™
O-540-F1A5, F1B5	10-6035-11 1 2 3	286-2051	61C22451	MA-4-5™
HO-360 Series	10-6030-1 1 2 3	286-2060	61E22534	HA-6™
LO-360-A2D	10-4164-1 1 2 3	286-1661	71710	MA-4-5™
TO-360 Series	10-5200 3		LW-155047	HA-6™
TO-360 Series	10-5211 3	286-1735	LW-15674	HA-6™
TO-360 Series	10-5211-1 3		LW-15985	HA-6™
TO-360 Series	10-5238 2 3	286-1764	LW-15961	HA-6™
TO-360 Series	10-5246 2 3	286-1766	LW-16028	HA-6™
TO-360 Series	10-5280-2 1 2 3		LW-18999	HA-6™
TO-360 and LTO-360 Series	10-5256-1 2 3	286-1779	61E22563	HA-6™
VO-435-A1B, A1C, AID	10-3856-12 1 2 3	286-1662	71685	MA-4-5™
VO-435-A1E, A1F, B1A, A1D, O-540-A1A	10-4025-12 2 3	286-1384	71684	MA-4-5AA™
VO-540-B1A, B1B, B1B3, B1C, B1F, B2A	10-4218-1 2 3	286-1645	72407	MA-6AA™
VO-540-B1D, B2B, C1A, C1B, C1C3, C2A, C2B, C2C	10-4401-1 3	286-1618	72920	MA-6AA™
TVO-435-A1A, -B1A, -B1B, -D1A, -D1B, -F1A, -G1A, -G1B	10-4438-1 2 3	286-1394	73899	MA-6AA™
Miscellaneous				
O-290 Series	10-2065 3			MA-2™
	10-2153 3			MA-3™
	10-2356-1 3			
	10-2539-1 3			
	10-2827 3			MA-4-5™
	10-2971-P 3			MA-3SPA™
	10-3168 2 3			MA-4-5™
	10-3391 3		62830	MA-3SPA™
	10-3634 3			MA-4-5™
	10-3649-1 3			MA-4-5™
	10-4439 3			MA-3SPA™
	10-5009N 3			MA-4SPA™
	10-5067 3			
	10-5221 3			
O-540 Series	10-5243 3	286-1765	LW-15963	HA-6™
Superior Air Parts Engines				
O-360-A1A1, A1A2, A2A1, A2A2, A3A1, A3A2, B1A1, B1A2, B2A1, B2A2, B3A1, B3A2, B4A1, B4A2, B5A1, B5A2, B6A1, B6A2, C1A1, C1A2,C2A1, C2A2, C2A1, C3A2, D1A1, D1A2, D2A1, D2A2, D3A1, D3A2, D4A1, D4A2, D5A1, D5A2, D6A1, D6A2, E1A1, E1A2, E2A1, E2A2, E3A1, E3A2	10-6104 1 2 3		SV10-6104	MA-4-5™

Notes:
1 New assembly available. Same part number as the original Marvel-Schebler part number.
2 Rebuilt assembly available. Add “-M” suffix for rebuilt.
3 Overhauled assembly available. Add “-H” suffix for overhauled.

Marvel Schebler Miscellaneous Replacement Parts

Figure reference tables on the following pages

Photos are not to scale or relative to each other



1 **229-587** Tube Assembly, Idle
2 **229-603** Tube Assembly, Idle
3 **229-584** Tube Assembly, Idle
4 **233-614** Float Assembly, Needle and Seat
5 **46-A257** Venturi
6 **46-F10** Venturi, Combo
7 **47-749** Nozzle Assembly
8 **47-A109** Nozzle, Secondary
9 **194-580** Plunger Assembly
10 **194-625** Plunger Assembly
11 **194-591** Plunger Assembly, Pump
12 **36-540** Valve Assembly
13 **36-525** Valve Assembly
14 **36-587** Valve Assembly, Pump, Check
15 **43-564** Needle, idle
16 **43-648** Needle Assembly, Idle Adjustment
17 **43-A93** Needle, Idle Adjustment
18 **16-B57** Gasket
19 **16-B75** Gasket, Throttle Body
20 **16-B85** Gasket, Throttle Body
21 **16-A31** Gasket
22 **666-1002** Float Kit, Large
23 **30-862** Float Assembly, Large
24 **30-864** Float Assembly, Small
25 **30-860** Float Assembly
26 **MS80-430** Float Kit, Set of 2 Bing Carburetor/Rotax
27 **13-1519** Shaft Assembly, Throttle
28 **13-1521** Shaft Assembly, Throttle
29 **13-1533** Shaft Assembly, Throttle
30 **32-35** Shaft, Float Lever
31 **32-88** Shaft, Float Lever
32 **32-32** Shaft, Float Lever

Description	Fig	Part Number
Baffle, Fuel Bowl	N/A	178-34
Ball	N/A	206-21
	N/A	206-22
Ball, Lead	N/A	37-7
Bellows Assembly	N/A	293-593
	N/A	293-542
	N/A	293-549
	N/A	293-551
	N/A	293-556
Bolt, Eye	N/A	104-28
Bracket	N/A	136-58
Bracket, Float	N/A	136-62
Bracket, Pump	N/A	136-493
Bushing	N/A	60-A127
Bushing, Cutoff Valve	N/A	60-A163
Bushing, Throttle Shaft	N/A	60-260
	N/A	60-A160
Bushing, Vertical Well Vent	N/A	60-A137
Button	N/A	M-123A
Cam Assembly	N/A	155-657
Clip, Float Valve	N/A	29-182
	N/A	29-184
	N/A	29-193
Collar, Idle Tube	N/A	124-52
Cotter Pin	N/A	82-9
Cover Assembly, Bowl	N/A	56-597
	N/A	56-598
Drill Plug	N/A	15-223
Fitting	N/A	68-93
Fitting, Inlet	N/A	68-101
	N/A	68-245
Flange Retainer	N/A	110-173
Float Assembly	25	30-860

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Description	Fig	Part Number
Float Assembly, Large MA	23	30-862
Float Assembly, Small MA	24	30-864
Float Assembly, Needle and Seat	4	233-614
	N/A	233-615
	N/A	233-699
	N/A	233-700
Float Kit, Bing Carburetor/ Rotax	26	MS80-430
Float Kit, HA-6	N/A	666-1001
Float Kit, Large	22	666-1002
Float Kit, Small	N/A	666-1000
Gage, Float Setting	N/A	M-509
Gage, Pin Depth	N/A	M-141
Gasket	N/A	16-A16
	21	16-A31
	N/A	16-B45
	N/A	16-B57
Gasket, Air Metering	N/A	16-A56
Gasket, Bowl Cover	N/A	16-B330
Gasket, Bowl Vent Strainer	N/A	16-A16
Gasket, Drain Plug	N/A	16-B322
Gasket, Fiber	N/A	16-B287
Gasket, Float Valve Seat	N/A	16-223
	N/A	16-224
	N/A	16-A32
Gasket, Fuel Cut Off Valve	N/A	16-B302
	N/A	16-B303
Gasket, Idle Needle	N/A	16-A120
Gasket, Main Nozzle	N/A	16-B58
Gasket, Idle Adjustment Needle	N/A	16-A39
Gasket, Nozzle	N/A	16-222

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Description	Fig	Part Number
Gasket, Nozzle	N/A	16-A30
	N/A	16-B59
Gasket, Plate Lock	N/A	16-B288
Gasket, Power Jet	N/A	16-A367
	N/A	16-A107
	N/A	16-A42
Gasket, Pump Idler Screw	N/A	16-B44
Gasket, Special Lock	N/A	16-B172
Gasket, Throttle	N/A	16-B12
Gasket, Throttle Body	19	16-B75
	20	16-B85
Gasket, Throttle Body to Bowl	N/A	16-221
Guide, Pump	N/A	88-92
Housing, Pump Inlet	N/A	221-76
Jet, Air Metering Pin	N/A	49-199
	N/A	49-267
	N/A	49-A79
Jet, Economizer	N/A	49-180
	N/A	49-207
	N/A	49-218
	N/A	49-258
Jet, Power	N/A	49-A73
	N/A	49-A102
	N/A	49-A134
	N/A	49-A140
	N/A	49-A147
	N/A	49-A252
	N/A	49-A257
	N/A	49-A260
	N/A	49-A262
	N/A	49-A267

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Marvel Schebler Miscellaneous Replacement Parts continued from previous page

Figure reference and photos are on previous page

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Description	**Fig**	**Part Number**
Jet, Power	N/A	49-A281
	N/A	49-A282
	N/A	49-A400
	N/A	49-B352
Lever, Control	N/A	12-B375
Lever, Mixture Control	N/A	155-300
	N/A	155-307
	N/A	155-357
	N/A	155-367
	N/A	155-387
	N/A	155-409
	N/A	155-A4
Lever Assembly, Mixture Control	N/A	155-580
	N/A	155-597
	N/A	155-627
	N/A	155-629
Lever, Pump	N/A	155-226
	N/A	155-A74
Lever Assembly, Pump	N/A	155-560
	N/A	155-650
Lever Assembly, Pump, Idler	N/A	155-568
Lever, Throttle	N/A	12-A216
	N/A	12-B56
	N/A	12-B57
	N/A	12-B58
	N/A	12-B59
	N/A	12-B72
	N/A	12-B112
	N/A	12-B296
	N/A	12-B371
Lever Assembly, Throttle	N/A	12-1033
	N/A	12-1096
	N/A	12-929
	N/A	12-982
Link, Pump	N/A	168-366
Lockwire	N/A	66-18
Needle, Idle	15	43-564
Needle, Idle Adjustment	N/A	43-362
	N/A	43-A90
	17	43-A93
Needle Assembly, Idle Adjustment	N/A	43-648
	N/A	43-649
Nozzle	N/A	47-858
Nozzle, Main	N/A	47-A128
Nozzle, Secondary	N/A	47-A109
	N/A	47-A163
Nozzle Assembly	N/A	47-466
	N/A	47-652
	N/A	47-684
	N/A	47-702
	N/A	47-719
	N/A	47-728
	N/A	47-734
	N/A	47-735
	N/A	47-739
	N/A	47-741
	7	47-749
	N/A	47-750
	N/A	47-751
	N/A	47-755

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Description	**Fig**	**Part Number**
Nozzle Assembly	N/A	47-757
	N/A	47-770
	N/A	47-773
	N/A	47-775
	N/A	47-779
	N/A	47-781
	N/A	47-803
	N/A	47-805
	N/A	47-806
	N/A	47-813
	N/A	47-817
	N/A	47-818
	N/A	47-819
	N/A	47-821
	N/A	47-822
	N/A	47-828
	N/A	47-830
	N/A	47-831
	N/A	47-833
	N/A	47-845
	N/A	47-846
	N/A	47-847
	N/A	47-850
	N/A	47-851
	N/A	47-852
	N/A	47-853
	N/A	47-857
	N/A	47-826-1
Nut, Castle	N/A	81-311
Nut, Lock	N/A	81-244
Nut, Pump Linkage	N/A	81-298
O-Ring	N/A	44-220
	N/A	44-221
	N/A	44-222
	N/A	44-223
	N/A	44-224
Packing, Pump Stem	N/A	44-49
Packing, Vacuum Pump Block Rod	N/A	44-286
Pin	N/A	62-436
	N/A	62-A19
	N/A	62-A31
	N/A	62-A34
	N/A	71-37
Pin, Air Metering	N/A	173-133
	N/A	173-144
	N/A	173-146
	N/A	173-154
	N/A	173-159
	N/A	173-160
Pin, Economizer Stop	N/A	62-F1
Plate	N/A	198-379
Plate, ID, Red, MA-3	N/A	63-B456
Plate, ID, Red, MA4-5	N/A	63-B452
Plate, ID, Red, MA-5	N/A	63-B453
Plate, Pump Linkage	N/A	198-223
Plug	N/A	99-34
	N/A	99-45
Plug, 0.125-18 NPTF	N/A	99-35
Plug, 0.4375-20 UN-3A	N/A	99-37

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Description	**Fig**	**Part Number**
Plug, Air Metering	N/A	80-151
	N/A	80-364
Plug, Drain	N/A	99-101
Plug, Expansion	N/A	179-45
Plug, Pipe	N/A	99-44
Plug, Pipe	N/A	99-8
Plunger Assembly	9	194-580
	N/A	194-593
	N/A	194-605
	10	194-625
	N/A	194-800
Plunger Assembly, Pump	11	194-591
	N/A	194-749
Ratchet Assembly	N/A	261-501
Retainer	N/A	55-255
	N/A	55-270
	N/A	55-A139
	N/A	55-A191
	N/A	55-A246
Retainer Assembly	N/A	55-524
Retainer, Bellows	N/A	55-449
Retainer, Mixture Valve	N/A	55-A239
Retainer, O-Ring	N/A	55-A233
Ring, Retaining	N/A	78-A123
	N/A	78-A124
	N/A	78-A125
	N/A	78-A127
Rod	N/A	119-126
	N/A	17-383
Rod, Actuating, Air Metering	N/A	119-113
	N/A	119-125
Rod, Actuating Pump Plunger	N/A	119-112
	N/A	119-124
Rod, Pump Connecting	N/A	17-372
Screen Assembly	N/A	95-506
	N/A	95-509
	N/A	95-529
	N/A	95-530
Screen, Bowl Vent	N/A	95-63
Screen, Nozzle	N/A	95-75
Screen, Pump Inlet	N/A	95-54
Screw	N/A	15-58
	N/A	15-A1
	N/A	15-A14
	N/A	15-A21
	N/A	15-A408
	N/A	15-A84
	N/A	15-B105
	N/A	15-B109
	N/A	15-B110
	N/A	15-B135
Screw and Washer	N/A	15-483
Screw, 5-40x1/8 UNC-2A HEX	N/A	15-A260
Screw, Bowl Cover	N/A	15-B126
Screw, Drive	N/A	15-367
	N/A	15-A204
Screw, Fill Head	N/A	15-A151
	N/A	15-A407
Screw, Hex Headless Set	N/A	15-B496

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Marvel Schebler Miscellaneous Replacement Parts continued from previous page

Figure reference and photos are on previous pages

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Description	**Fig**	**Part Number**
Screw, Idle	N/A	15-126
	N/A	15-42
Screw, Machine	N/A	15-B108
Screw, Machine Slotted	N/A	15-C1
Screw, Plug	N/A	15-A22
Screw, Pump Lever	N/A	15-A15
Screw, Retainer	N/A	15-B395
Screw, Throttle Adjusting	N/A	15-85
	N/A	15-A354
Screw, Throttle Body	N/A	15-B98
Screw, Throttle Lever	N/A	15-493
Screw, Throttle Valve	N/A	15-A23
Seal, Lead	N/A	298-1
Shaft Assembly, Throttle	N/A	13-1435
	27	13-1519
	N/A	13-1520
	28	13-1521
	N/A	13-1522
	N/A	13-1523
	N/A	13-1524
	29	13-1526
	N/A	13-1531
	29	13-1533
	N/A	13-1928
	N/A	13-811
	N/A	13-853
Shaft, Float Lever	32	32-32
	30	32-35
	31	32-88
Spring, Air Motor Pin	N/A	24-A30
Spring, Compression	N/A	24-B247
Spring, Idle Adjustment	N/A	24-A1
	N/A	24-A56
Spring, Idle Cutoff	N/A	24-A126
Spring, Idle Needle	N/A	24-340
Spring, Mixture Control	N/A	24-480
Spring, Pump Discharge	N/A	24-A115
Spring, Pump Inlet	N/A	24-A47
Spring, Throttle	N/A	24-487
	N/A	24-A10
	N/A	24-A33
	N/A	24-A39
	N/A	24-A443
	N/A	24-A469
	N/A	24-B38
	N/A	24-B72
Spring, Throttle Lever	N/A	24-262
Stud, Bellows Spring	N/A	83-479
Tool	N/A	M-134
Tool, Arbor Assembly	N/A	M-83
Tool, Assembly	N/A	M-519
Tool, Bushing Assembly	N/A	M-516
Tool, Clinching	N/A	M-109
Tool, Counterbore And Pilot Assembly	N/A	M-542
Tool, Float Setting	N/A	M-510
Tool, Float Valve Seat	N/A	M-103
Tool, Float Valve Seat	N/A	M-104
Tool, Gage Assembly	N/A	M-94
Tool, Peen Throttle Fly Screw	N/A	M-100

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Continued from previous column		
Description	**Fig**	**Part Number**
Tool, Punch	N/A	M-107
Tool, Punch	N/A	M-123
Tool, Seal Prot	N/A	M-522
Tool, Service	N/A	M-520
Tool, Socket	N/A	M-133
Tool, Staking, Expansion Plug	N/A	M-36902
Tool, Throttle Bush Reamer	N/A	M-108
Tool, Throttle Shaft Bushing Insert	N/A	M-86
Tool, Throttle Shaft Bushing Reamer	N/A	M-95
Tool, Throttle Shaft Packaging	N/A	M-105A
Tool, Throttle Shaft, Bushing	N/A	M-122
Tool, Throttle Shaft, Packing	N/A	M-105
Tool, Venturi Large	N/A	M-512
Tool, Venturi Rmv	N/A	M-120
Tube Assembly, Idle	N/A	229-541
	N/A	229-566
	N/A	229-567
	N/A	229-569
	N/A	229-572
	3	229-584
	N/A	229-585
	1	229-587
	N/A	229-588
	N/A	229-589
	N/A	229-592
	N/A	229-594
	N/A	229-596
	N/A	229-598
	N/A	229-599
	2	229-603
	N/A	229-608
	N/A	229-609
	N/A	229-650
	N/A	229-651
Tube, Pitot	N/A	154-100
	N/A	154-131
	N/A	154-131-1
Tube, Pump Discharge	N/A	229-164
Valve And Spring Assembly	N/A	34-516
Valve Assembly	N/A	242-542
	13	36-525
	12	36-540
	N/A	36-596
Valve Assembly, Mixture Control	N/A	242-508
	N/A	242-514
Valve Assembly, Mixture Meter	N/A	242-525
	N/A	242-528
Valve Assembly, Fuel, Cutoff	N/A	242-533
	N/A	242-537
	N/A	242-541
Valve Assembly, Pump, Check	14	36-587
Valve Assembly, Pump, Discharge	N/A	36-625
Valve, Throttle	N/A	14-172
	N/A	14-187
	N/A	14-189

Continued on next column

Continued from previous column		
Description	**Fig**	**Part Number**
Valve, Throttle	N/A	14-190
	N/A	14-277
	N/A	14-348
Valve, Idle, Cutoff	N/A	34-93
Valve, Pump, Discharge	N/A	34-72
	N/A	34-91
Venturi	N/A	46-A225
	N/A	46-A226
	N/A	46-A227
	N/A	46-A228
	N/A	46-A255
	5	46-A257
Venturi, Combo	6	46-F10
	N/A	46-F11
	N/A	46-F12
	N/A	46-F7
	N/A	46-F8
	N/A	46-F9
Washer	N/A	78-297
	N/A	78-A110
	N/A	78-A159
	N/A	78-A161
	N/A	78-A160
	N/A	78-A169
Washer	N/A	78-A305
	N/A	78-A40
Washer, Bowl Cover Screw	N/A	78-A122
Washer, Flat	N/A	78-1
	N/A	78-184
	N/A	78-A292
	N/A	78-A293
	N/A	78-A294
Washer, Horse Shoe	N/A	78-356
Washer, Lock Tab	N/A	78-A97
Washer, Mixture Control Lever	N/A	78-A109
Washer, Pump Stem Package	N/A	78-388
Washer, Pump Strainer	N/A	78-121
Washer, Ring Set	N/A	78-A295
Washer, Special Lock	N/A	78-357
	N/A	78-A111
Washer, Spring	N/A	78-430
Washer, Throttle Lever Spacer	N/A	78-420
Washer, Wave	N/A	78-A299

Carburetor to Engine Gaskets

FAA-PMA Approved Continental and Lycoming Engine gaskets

In stock, ready to ship!

NEW



P/N 652105
P/N 652137



P/N SL60592
P/N SL66224

Manufactured by Superior Air Parts, Inc.

Engine Models	P/N	Location
Continental Series		
E-165,185,225	652137	Carburetor to Engine
O-470		
IO-470		
TSIO-360		
LTSIO-360		
A65, A75	652105	Carburetor to Engine
C125-2, C145-2,2H, C75, C85, C90		
O-200-A,B		
O-300-A,B,C,D		
Lycoming Series		
O-320, IO-320, AEIO-320, AIO-320, LIO-320,O-320-H	SL66224	Carburetor or Fuel Injector to Engine
O-340		
O-360, HO-360, IO-360, HIO-360, AIO-360, TIO-360, VO-360, IVO-360, LO-360 E1A6D, TO-360, LTO-360		
VO-435, TVO-435		
GO-480		
O-540, IO-540, TIO-540, VO-540, TIVO-540		
O-235-C1,B,C, C2A,C, F2A,B, H2C, J2A, K2A,B,C, L2A,C, M1, N2A,C, P2A	SL60592	Carburetor to Engine
O-290-D,D2,D2B,D2C		

Exhaust to Engine Cylinder Gaskets

FAA-PMA approved Continental and Lycoming Gaskets

- Blow-proof gaskets
- Save money now, and down the road!

NEW



P/N RA77611



P/N RA970



P/N RA628620

Manufactured by Superior RAPCO, Inc.

Continental Engine Model	Description	Part Number
A-65, A-75	Gasket, Engine Exhaust, Solid Gasket, Engine Exhaust, Spiral Wound	RA632837 RA627429
C85-12F		
C90-8F,12F,14F,16F		
E-165, E-185, E-225		
O-200-A,B		
O-300-A,C,D		
O-470-A,E,J		
TSIO-520-A,B,C,D,E,G,H,J,K,L,M,N,P,R,T,U	Gasket, Turbocharger Wastegate	RA636465
TSIO-520-AE,AF,BB,BE,CE,DB,EB,JB,KB,LB,NB,UB,VB,WB		
LTSIO-520-AE		
IO-360-A	Gasket, Engine Exhaust, Spiral Wound	RA628260
O-470-B,G,K,L,M,P,R,S,U,IO-470-D,U,V, TSIO-470-B		
GTSIO-520-C, TSIO-520-B,C,D		
IO-360-A,C,D	Gasket, Engine Exhaust, Spiral Wound	RA970
TSIO-360-A,B		
Lycoming Engine Model	**Description**	**Part Number**
O-340	Gasket, Engine Exhaust, Spiral Wound	RA77611
O-360, HO360-B, IO-360-A,B,C, HIO-360-A,B,C		
O-540-A,B,E,G,J,K, IGO-540-A, IGSO-540-A		
IO-320		
IO-720-A		
GO-480, GSO-480		
VO-435, TVO-435		
ISGO-430		
E1A4, E1B4, E1C4, TIO-541, TIO-541-A1A	Gasket, Engine Exhaust, Spiral Wound	RALW15486
	Gasket, Engine Exhaust, Solid	RALW15619

Airbox to Carburetor Gaskets

FAA-PMA approved!

- We have them in stock, ready for you!
- Eligible for Cessna and Piper Aircraft
- Drastic savings!
- MIL-SPEC Fuel Proof

NEW


P/N MC73451-07


P/N MC649974


P/N MC63684-04


P/N MC0750142-1


P/N MC2050005-1

Aircraft Models	Part Number
Cessna	
172I,K,L,172M[1],N,P, F172L,F172M[1]	MC649974
172Q	MC0750142-1
172R,S	MC2050005-1
175, 175A,B,C	MC0750142-1
180[2], 180A,B,C,D,E,F,G,H,180J[2],K	
182, 182A,B,C,D	
188, 188A,B	
Piper	
PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161 [3]	MC73451-07
PA-28-180, PA-28R-180, PA-28-181[4]	MC63684-04
PA-28R-200, PA-28R-201[5], PA28RT-201	
PA-28-235	
PA-28-236[6]	

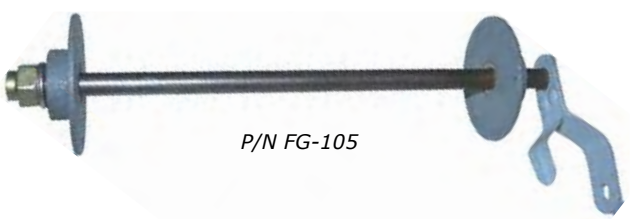
Notes:
[1] 172M S/N 17260759 thru 17267584; F172M S/N F17200905 thru F17201234
[2] 180 S/N 32151 thru 32661; 180J s/n 18052285 thru 18052770
[3] PA-28-161 S/N 28-7716001 thru 28-8616057; 2816001 thru 2816119; 2841001 thru 2841365 2842001 thru 2842999
[4] PA-28-181 S/N 28-7690001 thru 28-8690062, 2890001 thru 2890231, 2843001 thru 2843999
[5] PA-28R-201 S/N 28R-7737002 thru 28R-7837317, 2837001 thru 2837061, 2844001 thru 2844999
[6] PA-28-236 S/N 28-7911001 thru 28-8611008, 2811001 thru 2811050

Avglas™ STC Repair Kit for Continental Steel Carburetor Heat Boxes

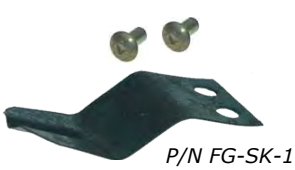
New hardened stainless steel bearing for vibration resistance and longer life!

FAA-PMA, STC Kits include:

- Replacement shaft, arm, and detent spring assembly
- Bearings
- Bearing housing
- Locknut and washer
- Complete instructions


P/N FG-105

Installation:
The butterfly (not included in kit) must be brazed or tack welded to the shaft during installation. The bearing housings must be brazed, tack welded, or flush riveted to the carburetor heat box. Avoid applying excessive heat during brazing or tack welding, or the heat-treated stainless steel bearing may be damaged.


P/N FG-SK-1

Engine Model	Continental Airbox P/N	Avglas P/N
C-75	50256	FG-100
C-85	50256	FG-100
C-90	50256	FG-100
O-200	628122, 653675, 641534	FG-100
O-300	530852, 531143	FG-105
Avglas repair kits only applicable to aircraft.		

Spring Service Kit P/N FG-SK-1
Eligible for installation on P/N FG-100 and FG-105.
Service kit contains (1) FG102S Spring and (2) MS20613-3-P3 Rivets

Control Arms, Shafts, and Bearing Housings for Cessna Air Boxes

Unique elastomer bearing replaces needle bearing

Our elastomer bearing is assembled with tension between the mating surfaces, which prevents micro-movement and related metal erosion. Our bearing contact area that transfers vibration motion from the heat box to the butterfly shaft is 100x greater than the original needle bearing. The large surface effectively prevents localized metal erosion.

- Absorbs shaft and butterfly vibration
- Eliminates needle bearing failures
- Increases service life of ***all*** components
- Direct replacement for original parts



Costs less $$$ and never wears out!



Needle bearings don't work!



Proven Design

- Tested over 700,000 cycles while exposed to avgas, heat, and vibration without performance change
- Extremely rugged and wear resistant in high temperature and fuel environments

Convenient

- Discontinued part numbers through the factory are now manufactured by McFarlane
- Also available in kits containing the shaft, arm, bearing housings, monel rivets, and roll pin

Model	Serial Number	Shaft P/N	Arm P/N	Roll Pin P/N [3]	Rivet P/N	Bearing Housing P/N	Kit P/N
152	All	MC0450068-2	MCS2280-8-00	MS16562-17	MS20615-4M9	MC0750113-1	CCH-KT-1
A152	All	MC0450068-2	MCS2280-8-00	MS16562-17	MS20615-4M9	MC0750113-1	CCH-KT-1
F152	All	MC0450068-2	MCS2280-8-00	MS16562-17	MS20615-4M9	MC0750113-1	CCH-KT-1
FA152	All	MC0450068-2	MCS2280-8-00	MS16562-17	MS20615-4M9	MC0750113-1	CCH-KT-1
172B,C	All	MC0550180-16	[2]	[2]	MS20615-4M9	MC0750113-1	CCH-KT-2
172D,E,F,G	All	MC0550180-28	[2]	[2]	MS20615-4M9	MC0750113-1	CCH-KT-3
F172D,E,F,G	All	MC0550180-28	[2]	[2]	MS20615-4M9	MC0750113-1	CCH-KT-3
172H,I,K,L,M,N,P	All	MC0550180-16	[2]	[2]	MS20615-4M9	MC0750113-1	CCH-KT-2
F172H,K,L,M,N,P	All	MC0550180-16	[2]	[2]	MS20615-4M9	MC0750113-1	CCH-KT-2
172Q	All	MC0509068-6	MC0750111-19	MS16562-17	MS20615-4M9	MC0750113-3	CCH-KT-4
P172	All	Not Available	Not Available	Not Available	MS20615-4M9	MC0750113-1	N/A
175, 175A	All	MC0750133-8	MC0750111-19	MS16562-17	MS20615-4M9	MC0750113-3	CCH-KT-5
175B,C	All	Not Available	Not Available	Not Available	MS20615-4M9	MC0750113-1	N/A
177	All	Not Available	Not Available	Not Available	MS20615-4M9	MC0750113-3	N/A
177A,B	All	MC1752078-4	MC0750111-19	MS16562-16	MS20615-4M9	MC955	CCH-KT-17
180 [1]	30000 thru 32150	MC0750112	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-7
180 [1], 180A,B	32151 thru 50661	MC0750126-19	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-3	CCH-KT-8
180C,D,E,F,G,H,J,K	All	MC0750133-8	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-9
182, 182A,B,C,D,E,F,G,H	All	MC0750133-8	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-9
182J,K,L,M,N,P,Q,R	All	MC0750133-8	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-9
F182P,Q	All	MC0750133-8	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-9
R182	All	Not Available	MCS2280-3-157	MS16562-205	MS20615-4M9	MC0750113-1	N/A
FR182	All	Not Available	MCS2280-3-157	MS16562-205	MS20615-4M9	MC0750113-1	N/A
185, 185A,B,C,D,E A185E [1]	185-0001 thru 185-1300	MC0750173-3	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-10
A185E [1]	185-1301 thru 18501832	MC0750173-4	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-11
188	188-0001 thru 18802348	MC0750133-8	MC0750111-19	MS16562-16	MS20615-4M9	MC0750113-1	CCH-KT-9
210-5 (205), 210-5A (205A)	All	MC1250311-1	N/A	N/A	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-12
		MC0850500-37	N/A	N/A	MS20470AD4-7	MC0850500-31 [4]	CCH-KT-13
		MC1250311-1	MC0850500-30	MS16562-27	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-14
		MC0850500-37	MC0850500-30	MS16562-27	MS20470AD4-7	MC0850500-31 [4]	CCH-KT-15
206, U206, U206A,B, P206, P206A,B	All	MC1250311-1	N/A	N/A	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-12
		MC0850500-37	N/A	N/A	MS20470AD4-7	MC0850500-31 [4]	CCH-KT-13
		MC1250311-1	MC0850500-30	MS16562-27	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-14
		MC0850500-37	MC0850500-30	MS16562-27	MS20470AD4-7	MC0850500-31 [4]	CCH-KT-15
U206C,D,E,F,G, P206C,D,E	All	MC1250311-1	N/A	N/A	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-12
		MC1250311-1	MC0850500-30	MS16562-27	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-14
207, 207A	All	MC1250311-1	N/A	N/A	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-12
		MC1250311-1	MC0850500-30	MS16562-27	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-14
210, 210A,B,C	All	MC1250311-1	N/A	N/A	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-12
		MC0850500-37	N/A	N/A	MS20470AD4-7	MC0850500-31 [4]	CCH-KT-13
		MC1250311-1	MC0850500-30	MS16562-27	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-14
		MC0850500-37	MC0850500-30	MS16562-27	MS20470AD4-7	MC0850500-31 [4]	CCH-KT-15
210D,E,F,G	All	MC1250311-1	N/A	N/A	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-12
		MC1250311-1	MC1250718-1	MS16562-27	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-16
210H,H,K,L,M,N [1]	21058937 thru 21064535	MC1250311-1	N/A	N/A	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-12
		MC1250311-1	MC0850500-30	MS16562-27	MS20470AD4-7	MC1250309-1 [4]	CCH-KT-14
310, 310B		N/A	MC0850500-30	N/A	N/A	N/A	N/A

[1] Partial model eligibility
[2] The control arm is integral with the shaft.
[3] Attach shaft to arm with the specified roll pin
[4] P/N MC0850500-31 and MC1250309-1 are not for sale individually unless the customer previously purchased the eligible corresponding shaft P/N MC0850500-37 or MC1250311-1.

Cessna Carburetor Heat Air Box Assembly

Remove that tired, old air box — Install NEW, not rebuilt!

Finally a cost effective, improved air/heat system!

- New with improved components
- Direct replacement of original assembly
- Quality built with McFarlane bearing housings
- Transport Canada Part Design Approval — ships with Transport Canada Form One

Don't waste anymore time or money with that old air box. Damaged components, mis-repair, and inferior seals can cause dangerous conditions and the inability to clear away ice. McFarlane vibration absorbing bearings stop flapper (butterfly) vibration — no more needle bearing failures! New construction eliminates metal fatigue and cracks.

Replacement components are available separately.

Cessna 182 Air Boxes now available!



P/N 0552164-4AWL

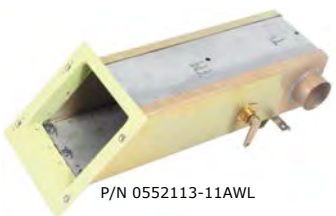
Save $$$

180/182/188 Air Box Collar/Flange
P/N 0750288-1AWL
Machined from solid material, rather than formed and heat-treated. This part comes un-drilled to better match your existing air box. It's intended to be riveted and installed with wet adhesive.

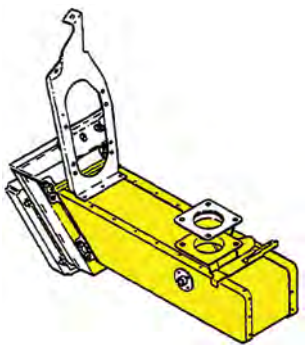
182 Top Skin
P/N 0750133-20AWL
Manufactured from stainless steel with a pulled-through stainless lip to attach to the top attach flange. We strongly suggest replacing with a new air box assembly if the air box has multiple cracks in multiple panels.

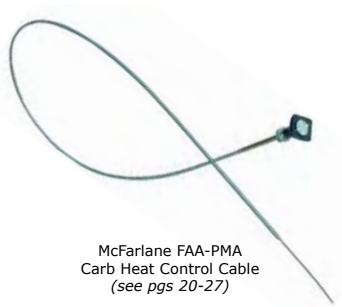
Air Box Flapper-Shaft Standoff
P/N 0750133-9AWL
This stainless steel flapper standoff should be replaced in sets of 2. Should be installed outside of the air box to ensure proper bucking of the rivets.

Manufactured by Acorn Welding



P/N 0552113-11AWL





McFarlane FAA-PMA
Carb Heat Control Cable
(see pgs 20-27)



P/N 0552169-6AWL

Maintenance Tip:

When there is excessive "slack" or lack of "sufficient friction" on the carb heat control cable the flapper (butterfly) will vibrate, wearing the airbox.

McFarlane's carb heat cables have a friction/tension system built in for reduced vibration wear, longer life and smooth, consistent control it has a special processed and heavier wire for more fatigue strength and reliability!

Replace your old, worn, carb heat cable with a new McFarlane FAA-PMA approved cable (see pages 20-27).

Aircraft Model	Part Number	Description
152, A152, F152, FA152	0550180-13AWL	Carb Attach Flange
172B,C,D,E,F,G,H	0750133-9AWL 0550180-10AWL 0550180-13AWL	Flapper Standoff Flapper Assembly Carb Attach Flange
172I,K	0550180-10AWL 0550180-13AWL 0552113-11AWL[1] 0750133-9AWL	Flapper Assembly Carb Attach Flange Carb Air Box Flapper Standoff
172L,M	0550180-10AWL 0550180-13AWL 0552113-10WL 0552113-13AWL[1] 0750133-9AWL	Flapper Assembly Carb Attach Flange Air Box Center Panel Carb Air Box Flapper Standoff
172N,P	0552164-4AWL 0552169-6AWL 0550180-13AWL	Carb Air Box Flapper Assembly Carb Attach Flange
172RG	0550180-13AWL	Carb Attach Flange
F172D,E,F,G,H,K	0550180-10AWL 0550180-13AWL 0750133-9AWL	Flapper Assembly Carb Attach Flange Flapper Standoff
F172L,M	0550180-10AWL 0550180-13AWL 0552113-13AWL[1] 0750133-9AWL	Flapper Assembly Carb Attach Flange Carb Air Box Flapper Standoff
F172N,P	0550180-13AWL 0552164-4AWL 0552169-6AWL	Carb Attach Flange Carb Air Box Flapper Assembly
P172D, 175, 175A,B,C, 177A,B	0750288-1AWL	Carb Attach Flange
180A,B	0750288-1AWL 0750126-21AWL 0750126-3AWL	Carb Attach Flange Air Box Air Box, Top Skin
180C,D,E,F,G,H,J,K	0750133-9AWL 0750288-1AWL 0750144-33AWL	Flapper Standoff Carb Attach Flange Air Box Assy
182,182A ***New!***	0750133-9AWL 0750288-1AWL 0750144-33AWL 0750133-1AWL[2] 0750133-18AWL[3] 0750133-20AWL	Flapper Standoff Carb Attach Flange Airbox Assy Air Box Air Box Spares, Top Skin
182B,C ***New!***	0750133-9AWL 0750288-1AWL 0750144-33AWL	Flapper Standoff Carb Attach Flange Air Box Assy
182D,E,F,G,H,J,K,L,M,N,P,Q,R F182Q ***New!***	0750133-9AWL 0750288-1AWL 0750144-33AWL 0750144-28AWL	Flapper Standoff Carb Attach Flange Air Box Assy Top Skin
188, 188A,B, A188, A188A	0750133-9AWL 0750288-1AWL 0750144-33AWL	Flapper Standoff Carb Attach Flange Air Box Assy

[1] P/N 0552113-11AWL and 0552113-13AWL is offered with Dynamic Propeller STC/PMA seal P/N DP0552130-11 as a special order item
[2] S/N 33000 thru 34440
[3] S/N 34441 thru 51556

Carb Heat Box

Longer Life
P/N AD15005-00
PA-18 Series aircraft



- Self lubricating bearing for longer service life
- 304 stainless steel to prevent corrosion and rust
- FAA-PMA

Manufactured by F Atlee Dodge

Air Filter Dome for PA18-150

Reinforced to go the distance
P/N 3281



- Reinforced with a doubler around the attach hole
- Powder coated white
- FAA-PMA approved

Manufactured by F Atlee Dodge

Air Filter Shroud Assembly

New! FAA-PMA approved for Cessna aircraft
Our Air Filter Shroud Assembly body is built to last!

- Durable aluminum – costs less than OEM's plastic
- Low friction **Cowl Saver™** seals prevent cowl damage
- Helps cool the engine
- They're pretty too!

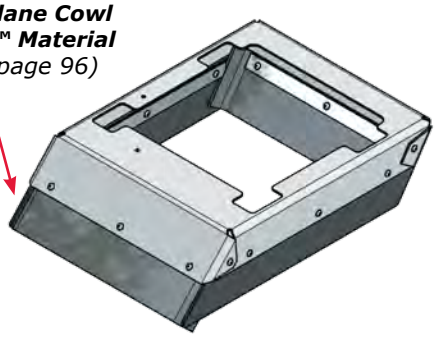




Aircraft	Air Filter Shroud Assembly P/N	Air Filter Shroud Seal Kit P/N
150L,M, A150L,M, F150L,M, FA150L,M	MC0452017-15	ABS-KT-03 1
152, A152, F152, FA152	MC0450066-5	ABS-KT-02 1
172L,M, F172L,M	MC0552130-11	ABS-KT-01 1

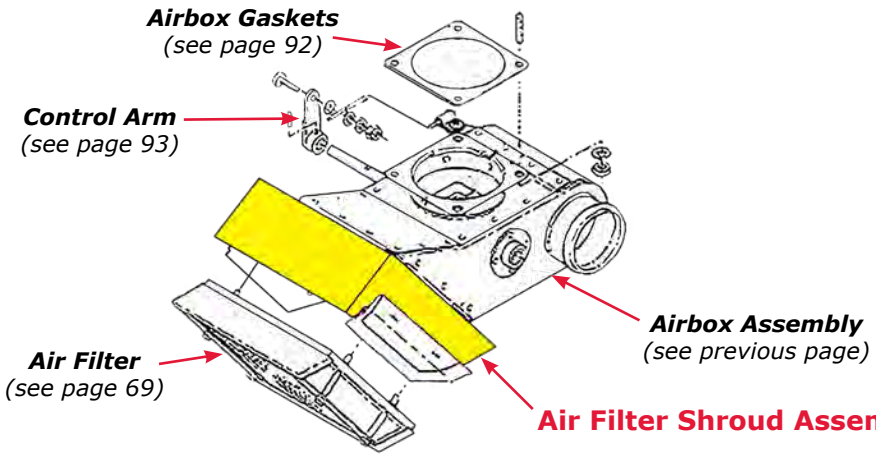
Notes:
1 McFarlane Air Filter Shroud Seal Kits (ABS-KT-xx) are only eligible with McFarlane Air Filter Shroud Assemblies. Kits include necessary parts to replace worn seals: Rivets, Retaining Strips, and Seals.

McFarlane Cowl Saver™ Material
(see page 96)



P/N MC0552130-11

Strong aluminum, not plastic!



Air Filter (Airbox) Shroud Assembly

By Dave McFarlane

What does the Air Filter (Airbox) Shroud do?

A lot of Cessna airplanes are flying with a broken or missing air filter shroud assembly. For many people, they seem to be unimportant because airplanes can fly without them. So, what does the shroud actually do?

Cessna engineers had a reason for putting a sealing shroud around the air cleaner. The shroud provides a seal between the air filter and the cowling, which prevents RAM air (from the propeller and forward motion of the aircraft) from entering the lower cowl. But why is that important?

The engine cooling system depends on RAM air to enter the cowl opening on top of the engine. The air circulates around the engine and then draws into the lower cowl area. The opening of the aft lower cowl creates low pressure, which helps draw the turbulent air out into the slip stream. The air filter shroud prevents the high-pressure RAM air from diluting the low pressure created in the lower cowl. In essence, the shroud helps cool the engine by improving air flow through the cowl. The shroud is particularly important during climbs, ground operations, and hot weather flying.

Why does the Cessna Shroud Fail So Often?

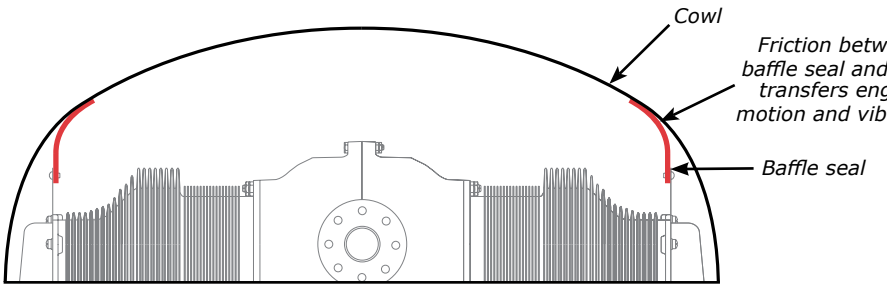
The engine is constantly in motion, as a reaction to the firing of each cylinder. The cowl is fixed to the airframe with little flexibility. Since the airbox is a long way from the center of engine motion, it moves a lot in relation to the cowling. The seal friction restricts the airbox motion, which transfers a lot of energy into the plastic shroud. The plastic also ages with oil, solvents, and radiant heat. This plastic degradation combined with the constant energy from motion quickly fails the plastic shrouds. It is very important that you ensure that the shroud seals are in proper position after the lower cowl is installed.

Cowl Saver™ Baffle Seal Material with Bi-Flex™ Technology

Reduce Airframe Vibration, Stop Cowl and Firewall Cracks

You can feel the difference in the cockpit!

Bi-Flex™ technology!



US Patent No. 8,070,099

Bi-Flex™ Technology

The three inch rolls of Cowl Saver™ material are available with a precision laser engraved flex pattern to ensure an optimum flexibility/ stiffness combination for maximum cooling and minimum friction. The flex pattern covers slightly less than half the width of the material.

See page 97 for more details.

Baffle seal friction causes airframe vibration, which destroys your cowl

Typical silicone rubber baffle seals have a coefficient of friction among the highest of any known material. This friction transfers engine vibration into your cowl and firewall causing fastener fretting, fatigue, cracking, chaffing and airframe vibration.

Cowl Saver™ Baffle Seal Material has 30x less friction!

- One side is silicone and the other is a low friction Teflon coated rubber, unique to our patented **Cowl Saver**™ Baffle Seal Material
- **Cowl Saver**™ dramatically reduces friction between the cowl and baffle seals
- Half of the engine vibration you feel in the cockpit is from baffle seal transfer

Low friction saves you $$$

- Reduces transfer of vibration to the engine cowl and airframe
- Eliminates cowl erosion
- Extends baffle seal life
- Reduces expensive cowl and cowl fastener repairs
- Less fatigue and cracking in baffles, cowl skins, and firewall
- The cowling even goes on easier!

Unbeatable performance

- Ideal balance of flexibility and stiffness
- Fiberglass reinforced
- Meets industry standard AMS3320G
- McFarlane quality you can count on!



You will feel the difference! Satisfaction ***GUARANTEED!***

36-month
Money-back Guarantee!

Cowl Saver™ Baffle Seal Material

P/N	Thickness	Size
CS085X3X36GBF	0.085 in	3 in wide, sold in 3 ft MOQ with **Bi-Flex**™
CS085X18X36G	0.085 in	18 in X 36 in (3 ft)
CS085X36X36G	0.085 in	36 in X 36 in (3 ft)
CS085X3X108GBF	0.085 in	3 in X 108 in (9 ft) with **Bi-Flex**™
CS085X3X156GBF	0.085 in	3 in X 156 in (13 ft) with **Bi-Flex**™
Color: Black/Gray		

Convenient Baffle Seal Repair Kits

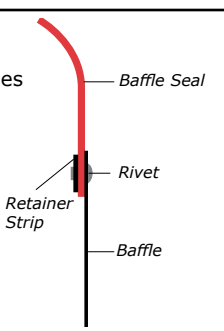
Kit P/N BAFFLE-KIT-1BF with **Bi-Flex**™		
1	CS085X3X108GBF	3 in X 108 in (9ft) **Cowl Saver**™ with **Bi-Flex**™
1	RIVET-KIT-2	Baffle Seal Rivet Kit
10	6036-012	Baffle Seal Retainer Strips
Best for small aircraft with straight baffle seals		
Kit P/N BAFFLE-KIT-2		
1	CS085X18X36G	18 in X 36 in (3ft) **Cowl Saver**™
2	RIVET-KIT-2	Baffle Seal Rivet Kit
20	6036-012	Baffle Seal Retainer Strips
Recommended for most aircraft. Allows fabrication of straight, curved or irregular shaped baffle seals.		
Kit P/N BAFFLE-KIT-3BF with **Bi-Flex**™		
1	CS085X3X156GBF	3 in X 156 in (13ft) **Cowl Saver**™ with **Bi-Flex**™
1	RIVET-KIT-2	Baffle Seal Rivet Kit
14	6036-012	Baffle Seal Retainer Strips
Best for aircraft with straight baffle seals		

Baffle Seal Retainer Strip

P/N 6036-012

Use as a retainer for riveting baffle seals to baffles

- 0.050 inch thick 6061-T6 aluminum
- Corrosion resistant
- Economical
- 7/16” X 12” strips (cut to length during installation)
- Clamps better than washers or light gauge sheet metal



Baffle Seal Rivet Kit

P/N RIVET-KIT-2

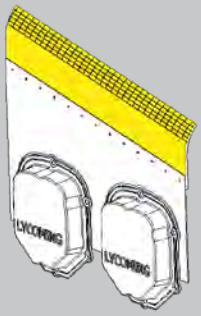
- Soft rivets that won’t deform baffles
- Several sizes for various baffle thicknesses and hole sizes

RIVET-KIT-2	
Qty	**Rivet P/N**
100	MS20470A3-5
100	MS20470A4-5
100	MS20470A4-6
Rivets included are approx.	



Custom Flexibility for Optimal Cooling

Flexibility to only the areas of the baffle seal that you choose



Cowl Saver™ baffle seal material can be extremely flexible for the perfect cowl seal *and* rigid elsewhere to prevent the seal from blowing past the cowl contact line. With other baffle seal materials, you compromise by choosing either rigid enough material to not blow past the cowl contact line, or material that is flexible enough to blend to the contours of the engine cowl to ensure a good seal. Either choice results in less than optimal engine cooling. With Cowl Saver™, you no longer have to compromise.

Cowl Saver™ material has a layer of black Teflon (clear for older material) bonded to a flexible reinforced silicone rubber base. In addition to low friction, the Teflon also gives the laminate the solid stiffness needed near the engine baffle to prevent the seal from blowing past the cowl contact line. This extra stiffness, however, is not always desirable in the area that the material seals against the contours of the cowl.

Where extra flexibility is needed to make a good air seal, the black Teflon layer can simply be scored in a cross hatch, diagonal or parallel line pattern.

With care, a normal razor blade may be used, or McFarlane **P/N TOOL120** has more efficiency and greater control of cutting depth. Alternatively, for straighter sections, 3-inch wide rolls of Cowl Saver™ material with **Bi-Flex™** technology may be used.

The extreme bond of the Teflon layer is not affected by the scoring. The score line spacing and the extent of the score pattern control the amount of flexibility. The score line orientation and the type of pattern control the direction(s) of flexibility. Score patterns as small as 1/8 inch form little islands of friction free Teflon that has shown good durability while providing the extreme flexibility of soft silicone rubber.

For Bi-Flex™ material with precision laser engraved flex pattern, see pg 96



3-inch roll with Bi-Flex™
P/N CS085X3X108GBF

This customization can be performed when doing a new baffle seal installation or to perfect the fit and seal of an existing installation. As long as care is taken to just score the Teflon layer and as little of the silicone as possible (do not cut the fiberglass reinforcing layer), the material will still meet the original AMS3306 specification to which it was certified.

Cowl Saver™ Scoring Tool

P/N TOOL120



Only for use on the Teflon side of Cowl Saver™ baffle seal material

Customize Cowl Saver™ baffle seal material to be extremely flexible for the perfect seal.

This unique tool has 3 circular razor blades, spaced 0.16" apart, making it fast and easy to score the stiff outer layer of the Cowl Saver™ material where more flexibility is required. The spacers precisely control the depth of the cuts to prevent material damage.

- You control the amount of flexibility
- Use on a new baffle seal installation or perfect the fit and seal of an existing installation
- Material still meets the original AMS3306 specification to which it was certified as long as the fiberglass reinforcing layer has not been cut
- Replacement blade kit also available (P/N TOOL120-BKT)



Cowl Saver™ Baffle Seal Kits for Cessna Aircraft

NEW

Reduce airframe vibration, cowl cracks, and firewall cracks with our complete Cowl Saver™ kits!
U.S. Patent No. 8,070,099

- Unbeatable performance – ideal balance of flexibility and stiffness
- 30x less friction – eliminating cowl erosion
- Reduce fatigue and expensive baffle, cowl and firewall repairs
- Eliminate guess work! Kits include all required baffle seals, soft rivets, and McFarlane P/N 6036-012 retainer strips
- Cut to fit, saving you time and money
- Individual baffles available for sale

Now approved for 150 and 152 aircraft!

Now with Bi-Flex™ Technology!

Precision laser engraved flex pattern ensures optimum flexibility/stiffness combination for maximum cooling and minimum friction.



Model	Serial Number	Kit P/N
150, A,B,C	All	BSC-KT-2
150D,E,F,J,K A150K F150F,G,H,J,K FA150K FA150L,M [1]	All	BSC-KT-3
150L,M A150L,M F150L,M	All	BSC-KT-4
152	152079406 thru 152083591	BSC-KT-5
	152083592 thru 152085066	BSC-KT-6
	152085067 thru 152086033	BSC-KT-7
A152	A1520735 thru A1520878	BSC-KT-5
	A1520879 thru A1520974	BSC-KT-6
	A1520975 thru A1521049	BSC-KT-7
F152	F15201429 thru F15201673	BSC-KT-5
	F15201674 thru F15201928	BSC-KT-6
	F15201929 thru F15201980	BSC-KT-7
FA152	FA1520337 thru FA1520357	BSC-KT-5
	FA1520358 thru FA1520382	BSC-KT-6
	FA1520383 thru FA1520425	BSC-KT-7
172R	17280001 and on	BSC-KT-1
172S	172S80001 and on	

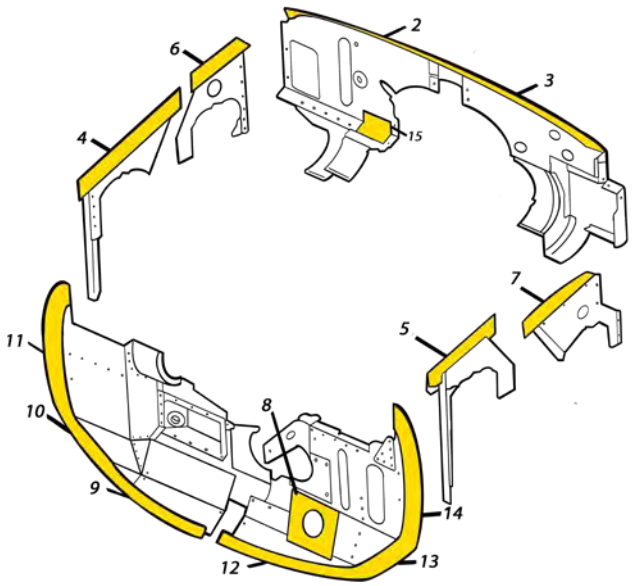
[1] When equipped w/FKA150-2311 and FKA150-2316

Cowl Saver™ Baffle Seal Kits with Bi-Flex™ Technology
Reduce airframe vibration, stop cowl and firewall cracks
Scan the QR Code to see the difference in vibration of our Cowl Saver™ compared to the standard competitive silicone!

Kit components continue on the following pages!

BSC-KT-1

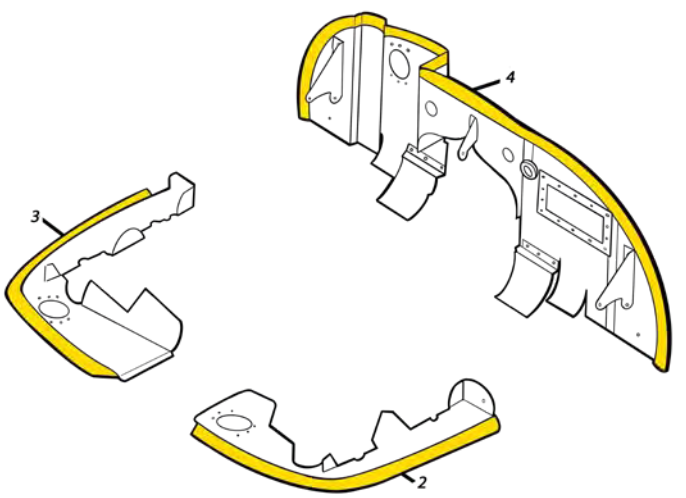
NEW



P/N BSC-KT-1 Kit Components			
Part Number	Index	Description	Quantity
MC0509069-4	2	Right Aft	1
MC0509070-4	3	Left Aft	1
MC0509071-2	4	Cylinder 1 Right Forward	1
MC0509072-4	5	Cylinder 2 Left Forward	1
MC0509073-6	6	Cylinder 3 Right Aft	1
MC0509074-2	7	Cylinder 4 Left Aft	1
MC0509079-2	8	Air Intake for Heat Muffler	1
MC0555250-17	9	Forward Right Lower	1
MC0555250-18	10	Forward Right Middle	1
MC0555250-19	11	Forward Right Upper	1
MC0555259-25	12	Forward Left Lower	1
MC0555259-26	13	Forward Left Middle	1
MC0555259-27	14	Forward Left Upper	1
MC2455076-1	15	Right Aft Sub Panel	1
6036-012	N/A	Retainer Strip	14
MS20470A4-5	N/A	Soft Rivet	100

BSC-KT-2

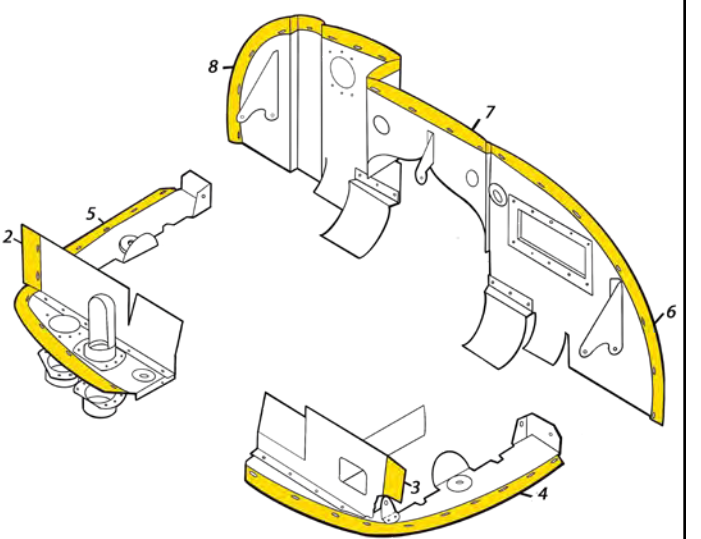
NEW



P/N BSC-KT-2 Kit Components			
Part Number	Index	Description	Quantity
MC0450502-12	2	Seal, Baffle, Left Cylinder	1
MC0450502-13	3	Seal, Baffle, Right Cylinder	1
MC0450502-6	4	Seal, Baffle, Rear Assembly	1
6036-012	N/A	Retainer Strip	6
MS20470A4-5	N/A	Soft Rivet	100

BSC-KT-3

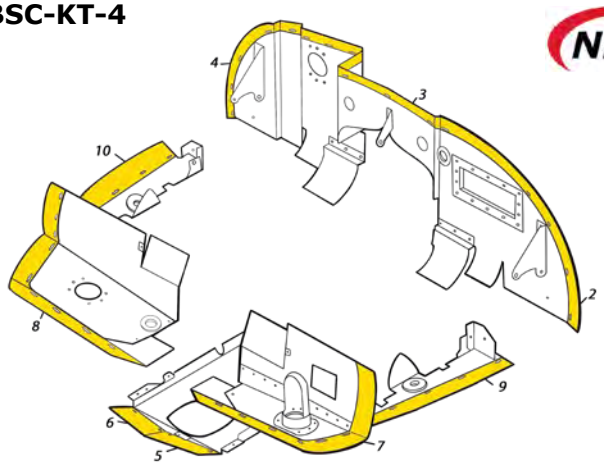
NEW



P/N BSC-KT-3 Kit Components			
Part Number	Index	Description	Quantity
MC0450302-4	2	Seal, Baffle, Left Cylinder	1
MC0450303-3	3	Seal, Baffle, Right Cylinder	1
MC0450502-12	4	Seal, Baffle, Left Cylinder	1
MC0450502-13	5	Seal, Baffle, Right Cylinder	1
MC0450502-28	6	Seal, Baffle, Rear Left	1
MC0450502-29	7	Seal, Baffle, Rear Center Assy	1
MC0450502-30	8	Seal, Baffle, Rear Right	1
6036-012	N/A	Retainer Strip	7
MS20470A4-5	N/A	Soft Rivet	100

BSC-KT-4

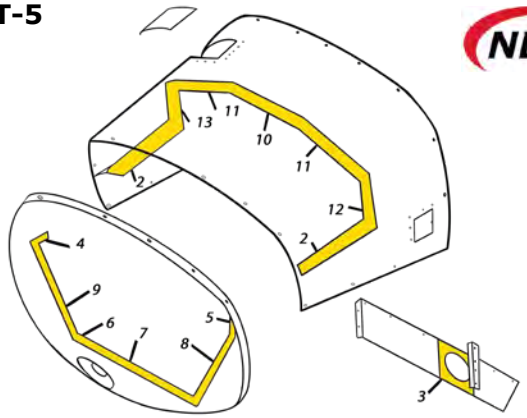
NEW



P/N BSC-KT-4 Kit Components			
Part Number	**Index**	**Description**	**Quantity**
MC0450502-28	2	Seal, Baffle, Rear Left	1
MC0450502-29	3	Seal, Baffle, Rear Center Assy	1
MC0450502-30	4	Seal, Baffle, Rear Right	1
MC0455000-13	5	Seal, Baffle, Lower Left	1
MC0455000-6	6	Seal, Baffle, Lower Right	1
MC0455000-7	7	Seal, Baffle, Front Left	1
MC0455001-10	8	Seal, Baffle, Front Right	1
MC0455001-7	9	Seal, Baffle, Left Cylinder	1
MC0455001-8	10	Seal, Baffle, Right Cylinder	1
6036-012	N/A	Retainer Strip	14
MS20470A4-5	N/A	Soft Rivet	100

BSC-KT-5

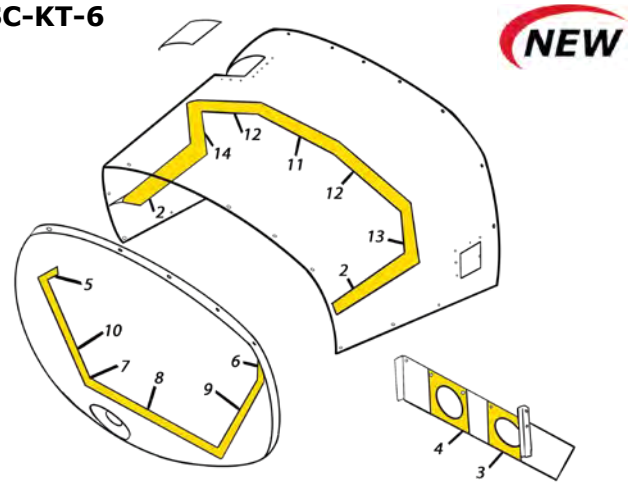
NEW



P/N BSC-KT-5 Kit Components			
Part Number	**Index**	**Description**	**Quantity**
MC0452220-5	2	Seal, Baffle, Lower Cowl	2
MC0455018-20	3	Seal, Baffle, Heat Muffler	1
MC0455024-11	4	Seal, Baffle, Upper Right	1
MC0455024-14	5	Seal, Baffle, Upper Left	1
MC0455024-18	6	Seal, Baffle, Lower Right	1
MC0455024-5	7	Seal, Baffle, Forward Center	1
MC0455024-6	8	Seal, Baffle, Forward Left	1
MC0455024-8	9	Seal, Baffle, Forward Right	1
MC0455026-3	10	Seal, Baffle, Middle Cowl	1
MC0455026-4	11	Seal Baffle, Inner Cowl	2
MC0455026-5L	12	Seal, Baffle, Vertical Cowl, Left	1
MC0455026-5R	13	Seal, Baffle, Vertical Cowl, Right	1
6036-012	N/A	Retainer Strip	14
MS20470A4-5	N/A	Soft Rivet	100

BSC-KT-6

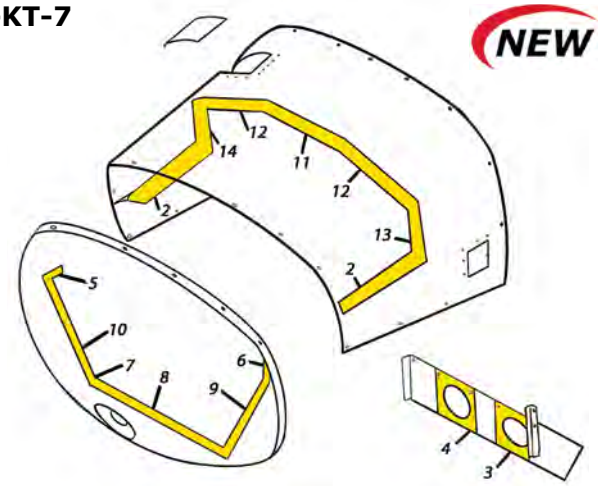
NEW



P/N BSC-KT-6 Kit Components			
Part Number	**Index**	**Description**	**Quantity**
MC0452220-5	2	Seal, Baffle, Lower Cowl	2
MC0455018-20	3	Seal, Baffle, Heat Muffler	1
MC0455018-28	4	Seal, Baffle, Heat Muffler	1
MC0455024-11	5	Seal, Baffle, Upper Right	1
MC0455024-14	6	Seal, Baffle, Upper Left	1
MC0455024-18	7	Seal, Baffle, Lower Right	1
MC0455024-5	8	Seal, Baffle, Forward Center	1
MC0455024-6	9	Seal, Baffle, Forward Left	1
MC0455024-8	10	Seal, Baffle, Forward Right	1
MC0455026-3	11	Seal Baffle, Middle Cowl	1
MC0455026-4	12	Seal, Baffle, Inner Cowl	2
MC0455026-5L	13	Seal, Baffle, Vertical Cowl, Left	1
MC0455026-5R	14	Seal, Baffle, Vertical Cowl, Right	1
6036-012	N/A	Retainer Strip	19
MS20470A4-5	N/A	Soft Rivet	100

BSC-KT-7

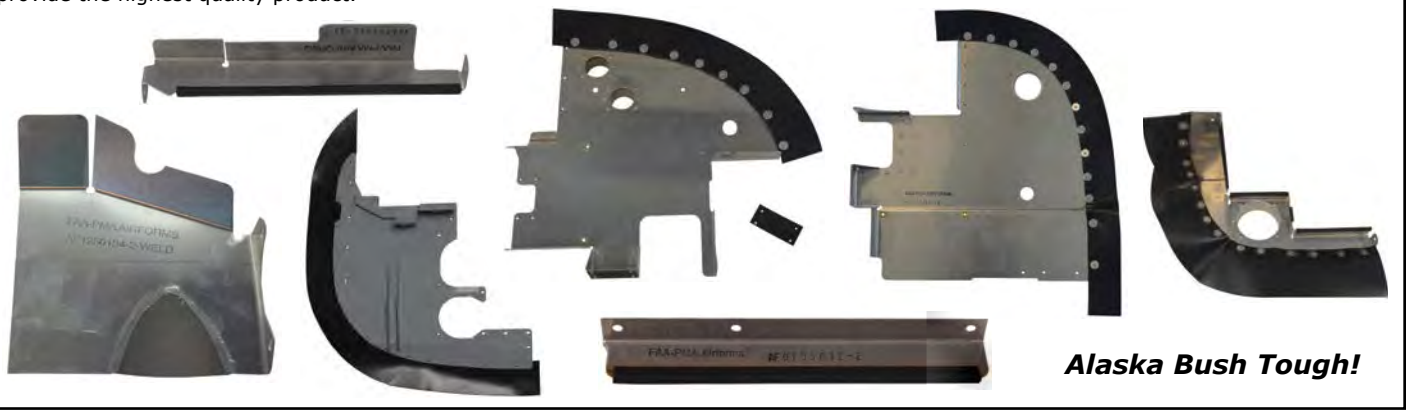
NEW



P/N BSC-KT-7 Kit Components			
Part Number	**Index**	**Description**	**Quantity**
MC0452220-5	2	Seal, Baffle, Lower Cowl	2
MC0455018-20	3	Seal, Baffle, Heat Muffler	1
MC0455018-28	4	Seal, Baffle, Heat Muffler	1
MC0455024-11	5	Seal, Baffle, Upper Right	1
MC0455024-14	6	Seal, Baffle, Upper Left	1
MC0455024-18	7	Seal, Baffle, Lower Right	1
MC0455024-25	8	Seal, Baffle, Forward Center	1
MC0455024-6	9	Seal, Baffle, Forward Left	1
MC0455024-8	10	Seal, Baffle, Forward Right	1
MC0455026-3	11	Seal Baffle, Middle Cowl	1
MC0455026-4	12	Seal, Baffle, Inner Cowl	2
MC0455026-5L	13	Seal, Baffle, Vertical Cowl, Left	1
MC0455026-5R	14	Seal, Baffle, Vertical Cowl, Right	1
6036-012	N/A	Retainer Strip	19
MS20470A4-5	N/A	Soft Rivet	100

Airforms Complete FAA-PMA Product Line

Airforms is located in the heart of the Alaskan aviation scene. Their products are developed from real world needs of experienced Alaskan bush pilots and operators. All Airforms parts are manufactured using state-of-the-art CAD/CAM technology and CNC equipment combined with exemplary craftsmanship to provide the highest quality product.



Alaska Bush Tough!

Complete Engine Baffle Kits

Keep your engine cool with new baffle kits!

Airforms is the premier manufacturer of FAA-PMA replacement baffle kits for Cessna, Piper and the Beechcraft Baron

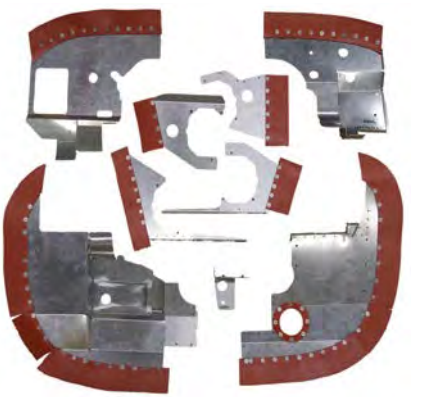
- 6061-T6 aluminum with black high temperature fiberglass reinforced silicone seals pre-installed (orange or blue seals available as special order for an extra charge)
- Bare aluminum or gray powder coat finish
- Individually interchangeable with factory baffles

Many Improvements

- Stainless steel brackets where needed
- Hard rivet construction
- 1/2" back plates to secure seals
- Improved fit

Notes

- If aftermarket components (starter, alternator, exhaust, engine mod, etc) have been installed it is the installer's responsibility to adjust baffles to fit.
- Mounting hardware is not included (nuts, bolts, screws, Tinnerman clips, etc).



Eligibility and images on the following pages

Aircraft Model	Serial Number	Bare Aluminum P/N	Powder Coat P/N	Figure
Beechcraft				
95-B55	TC-1386 thru TC-2002	B9555-BRBK	B9555-PCBK	1
Cessna				
120/140	All	C120140-BRBK	C120140-PCBK	43
150D,E,F,G,H,J,K	All	C150-6470BRBK	C150-6470PCBK	2
150L,M, A150L,M, FA150L	All	C150-7177BRBK	C150-7177PCBK	3
152 1	15279406 thru 15283591	C152-7879BRBK	C152-7879PCBK	4
A152 1	A1520735 thru A1520878			
F152 1	F15201429 thru F15201673			
FA152 1	FA1520337 thru FA1520357			
152 1	15283592 thru 15285594	C152-8082BRBK	C152-8082PCBK	4
A152 1	A1520879 thru A1521014			
F152 1	F15201674 thru F15201928			
FA152 1	FA1520358 thru FA1520382			
170A,B 1 6	18730 thru 25372	C170A-4952BRPS	C170A-4952PCPS	5
170B 1	25373 and On	C170B172-BRBK	C170B172-PCBK	6
172 1 4	28000-36965			
172I,K,L,M 1	17256513 thru 17261898	C172IKL68-M73-BRBK	C172IKL68-M73-PCBK	7
F172L,M 1	F17200805 thru F17201034			
172M 1	17261899 thru 17267584	C172M-7476BRBK	C172M-7476PCBK	8
F172M 1	F17201035 thru F17201514			
172N 1	17267585 thru 17271953	C172N-77795BRBK 5	C172N-77795PCBK	9
F172N 1	F17201515 thru F17201909			
172R	17280001 thru 17280697	N/A	C172R-9798PCBK	12
	17280698 thru 17281233		C172R-9904PCBK	13
172N 1	17271954 thru 17274009	C172N-79580BRBK 5	C172N-79580PCBK	10
F172N 1	F17201910 thru F17202039			
172P, F172P	All	C172P-BRBK	C172P-PCBK	11
172S	172S8001 thru 172S9770	N/A	C172S-98045PCBK	14

Eligibility continued on next page



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Complete Engine Baffle Kits continued from previous page

Product images on the following page

Continued from previous page

Aircraft Model	Serial Number	Bare Aluminum P/N	Powder Coat P/N	Figure
172RG	172RG0001 thru 172RG0817 and 172RG0891 thru 172RG1191	C172RG-BRBK	C172RG-PCBK	15
177	All	C177-68BRBK	C177-68PCBK	16
177B	17701774 thru 17702123	C177-7374BRBK	C177-7374PCBK	17
177RG	177RG0593 thru 177RG1366	C177RG-7578BRBK	C177RG-7578PCBK	18
180, 180A,B,C,D,E,F,G,H,J,K 182A,B,C,D,E,F,G,H,J,K,L,M,N,P[1]	32151 and on 34755 thru 18262465	C180182-PKGA-BRBK[2]	C180182-PKGA-PCBK[2]	19
		C180182-PKGB-BRBK[2]	C180182-PKGB-PCBK[2]	
		C180182-PKGC-BRBK[2]	C180182-PKGC-PCBK[2]	
		C180182-PKGD-BRBK[2]	C180182-PKGD-PCBK[2]	
182P[1] ,F182P	18262466 thru 18265175 F18200001 thru F18200025	C182-7476-PKGG-BRBK[2]	C182-7476-PKGG-PCBK[2]	20
		C182-7476-PKGH-BRBK[2]	C182-7476-PKGH-PCBK[2]	
182Q,R, F182Q	18265176 thru 18268615 F18200026 thru F18200169	C182-7786-PKGG-BRBK[2]	C182-7786-PKGG-PCBK[2]	21
		C182-7786-PKGH-BRBK[2]	C182-7786-PKGH-PCBK[2]	
182T, T182T	182-81318 and on	C182T-BRBK ***New!***	C182T-PCBK ***New!***	48
185, 185A,B,C,D,E, A185E,F	All	C185-PKGJ-BRBK[2]	C185-PKGJ-PCBK[2]	22
		C185-PKGK-BRBK[2]	C185-PKGK-PCBK[2]	
206, U206A,B,C,D,E[1]	206-0001 thru U20601604	C206-64715-PKGE-BRBK[2]	C206-64715-PKGE-PCBK[2]	23
		C206-64715-PKGF-BRBK[2]	C206-64715-PKGF-PCBK[2]	
		C206-64715-PKGI-BRBK[2]	C206-64715-PKGI-PCBK[2]	
U206F[1], G	U20602200 thru U20607020	C206-7486BRBK	C206-7486PCBK	24
P206, P206A,B,C,D,E	All	CP206-BRBK[2]	CP206-PCBK[2]	23
207	20700001 thru 20700268	C207-6975-PKGE-BRBK[2]	C207-6975-PKGE-PCBK[2]	23
		C207-6975-PKGF-BRBK[2]	C207-6975-PKGF-PCBK[2]	
		C207-6975-PKGI-BRBK[2]	C207-6975-PKGI-PCBK[2]	
210K,L[1]	21059200 thru 21060089	C210-7073BRBK	C210-7073PCBK	25
210L[1],M,N	21061040 thru 21064897	C210-7680BRBK	C210-7680PCBK	24
401, 401A,B, 402, 402A,B,C, 414, 414A	All	C402414-BRBK	C402414-PCBK	26
Grumman				
AA-5A	All	AA5A-BRBK	AA5A-PCBK	27
AA-5B	All	AA5B-BRBK	AA5B-PCBK	28
Mooney				
M20J	24-0001 thru 24-1623 and 24-1632 thru 24-3431	M20BRBK	M20JPCBK	29
Piper				
PA-18 "150"	1809001 thru 1809079, 18-3781 thru 18-8309025	PA18150-BRBK	PA18150-PCBK	30
PA-22-150	22-2425 thru 22-7630	PA22150-BRBK	PA22150-PCBK	31
PA-28-140	28-20002 thru 28-7125471	PA28140-64715BRBK	PA28140-64715PCBK	32
PA-28-161	All	PA28161-BRBK	PA28161-PCBK	33
PA-28-180	28-1761 thru 28-7205091	PA28180-65725BRBK	PA28180-65725PCBK	34
	28-7205092 thru 28-7505259	PA28180-72.575BRBK	PA28180-72.575PCBK	35
PA-28-181	28-8090001 thru 28-8690056	PA28181-2BRBK	PA28181-2PCBK	36
	28-8690061 and 28-8690062			
	2843001 thru 2843999	PA28181-3BRBK	PA28181-3PCBK	
PA-28-235	28-10003 thru 28-7210033	PA28235-BRBK	PA28235-PCBK	37
PA-28-236	All	PA28236-BRBK	PA28236-PCBK	38
PA-28R-200	28R-35001 thru 28R-35820	PA28R200-BRBK	PA28R200-PCBK	39
	28R-7135001 thru 28R-7135229			
PA-28R-201	All	PA28R201-BRBK	PA28R201-PCBK	40
PA-30	All	PA30-BRBK	PA30-PCBK	41
PA-31 (PA-31-310)[3]	31-2 thru 31-822031	PA31310-BRBK	PA31310-PCBK	45
PA-31-325[3] PA-31-350, PA-31-350 (T1020)[3]	31-7512001 thru 31-8312019 31-7305001 thru 31-8553002	PA31325350-BRBK	PA31325350-PCBK	46
PA-32-260	32-1 thru 32-1033	PA32260-6568.5BRBK	PA32260-6568.5PCBK	44
	32-1034 thru 32-7800008	PA32260-68.578BRBK	PA32260-68.578PCBK	
PA-32-300	32-7640072 thru 32-7940290	PA32300-BRBK	PA32300-PCBK	47
PA-44-180	All	PA44180-BRBK	PA44180-PCBK	42

Notes: Black, blue, or orange seals are available. P/Ns listed contain black seals. To purchase with blue or orange seals use suffix: BRBL (Bare Aluminum Blue Seals), BROR (Bare Aluminum Orange Seals), PCBL (Powder Coat Blue Seals), PCOR (Powder Coat Orange Seals).

[1] Partial model eligibility

[2] To determine the part number required see oil cooler configuration with applicable figure

[3] Baffle kits and components have received Alternative Method Of Compliance (AMOC) from the FAA for AD 93-23-13. Mandatory 50 hour inspection is no longer required.

[4] P/N AF0550165-2 and AF0550165-6 are available in black only

[5] There is some overlap with the baffle design in these serial number ranges. See figures 9 and 10 to determine required part number

[6] Baffle seals are available in black only

Firewall Forward
Baffle Kits

Figure 1

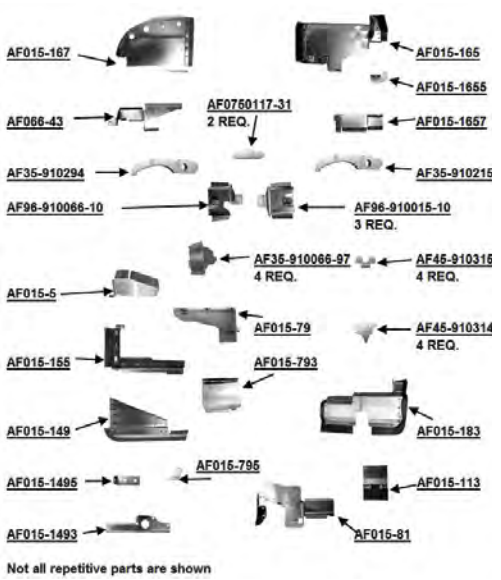


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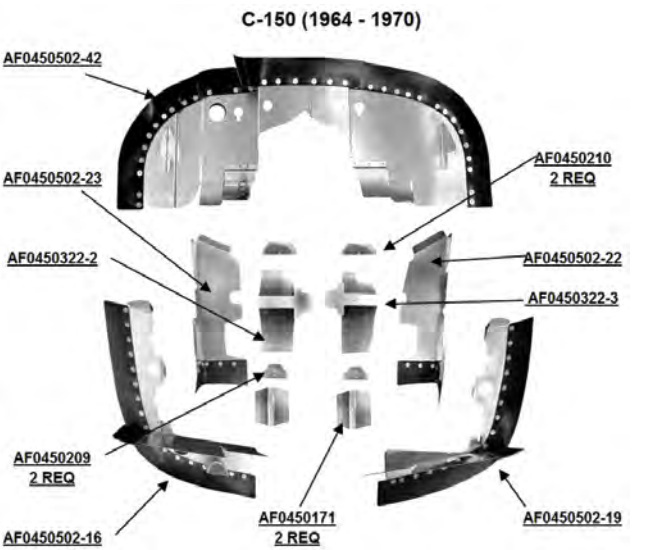


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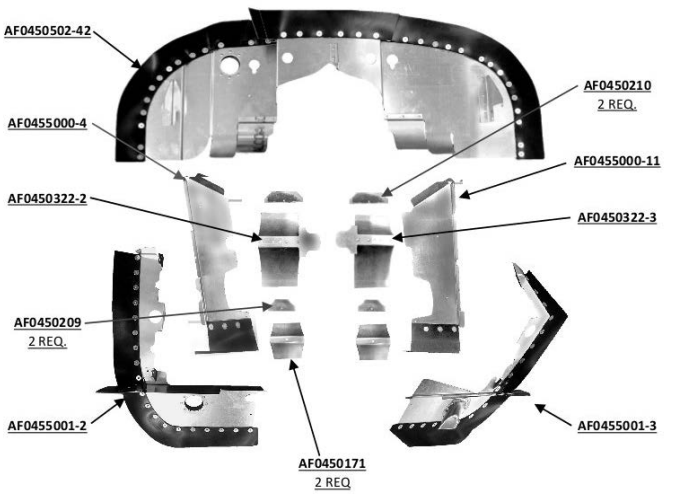


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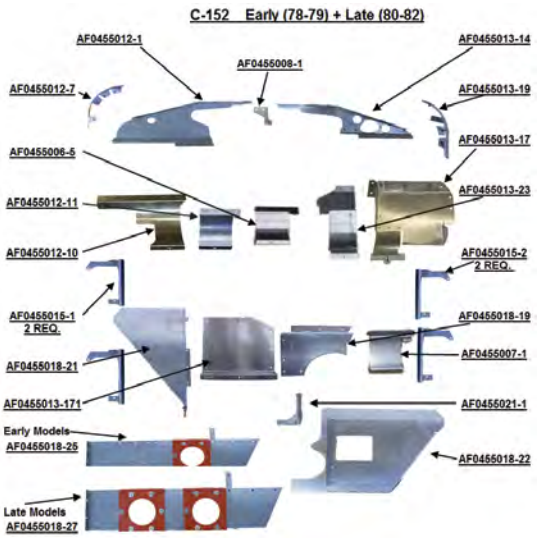


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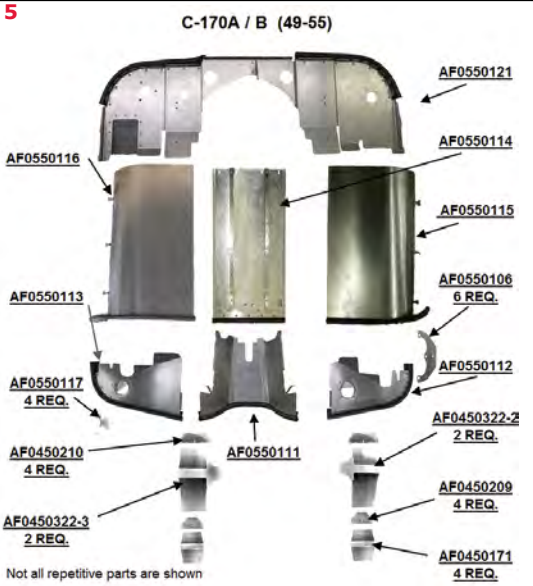


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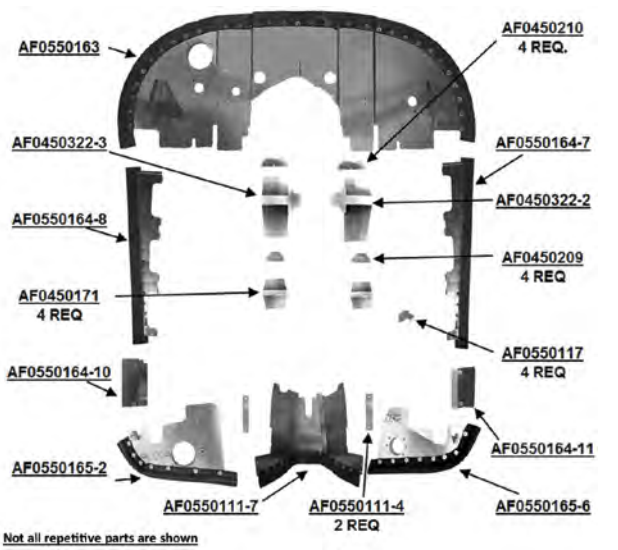


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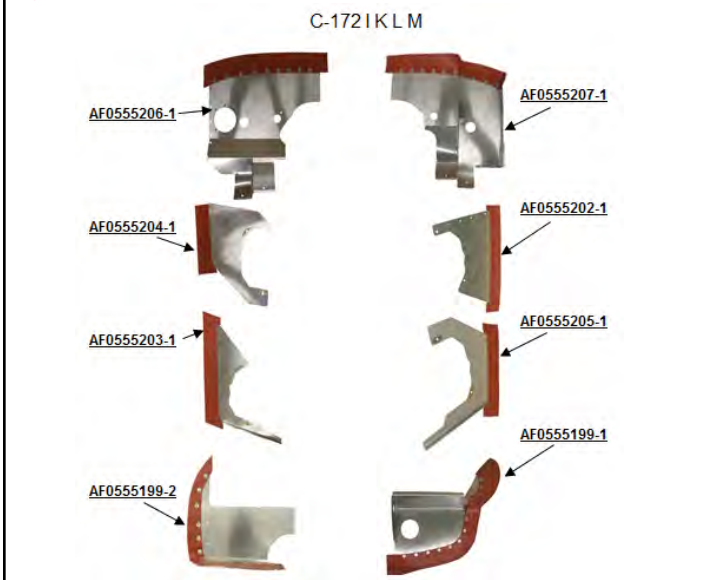


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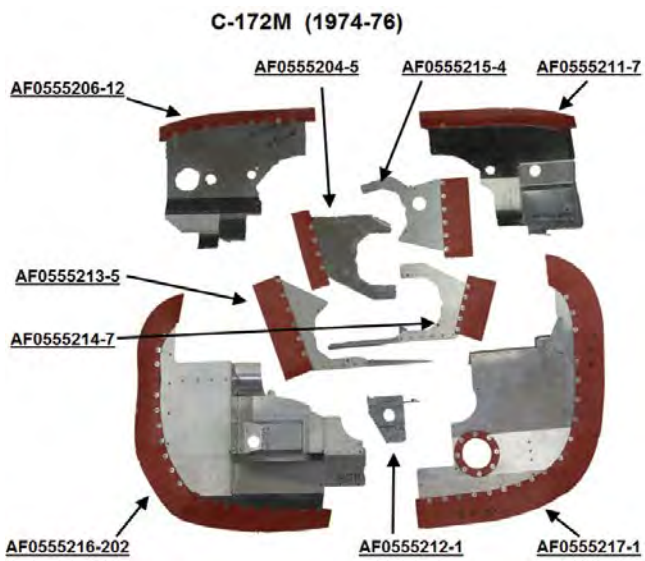


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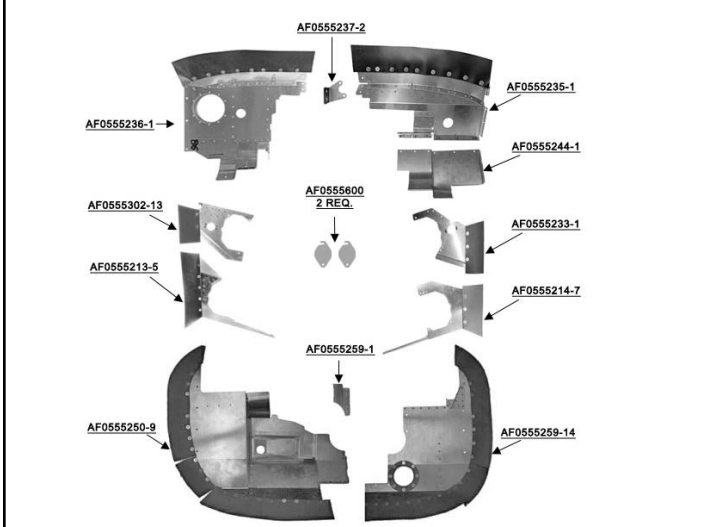


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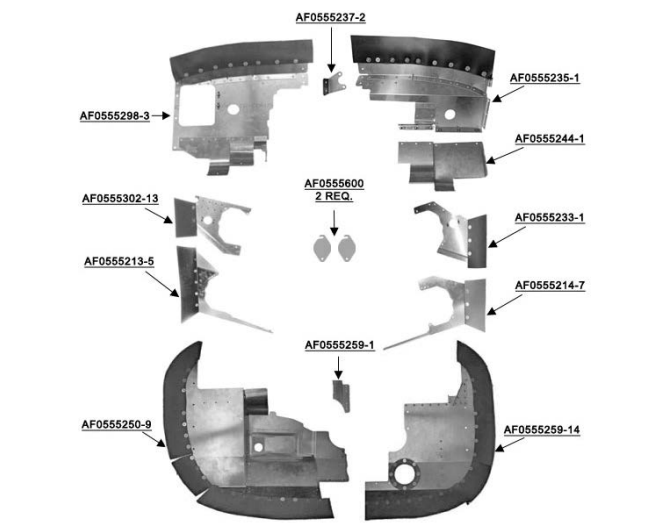


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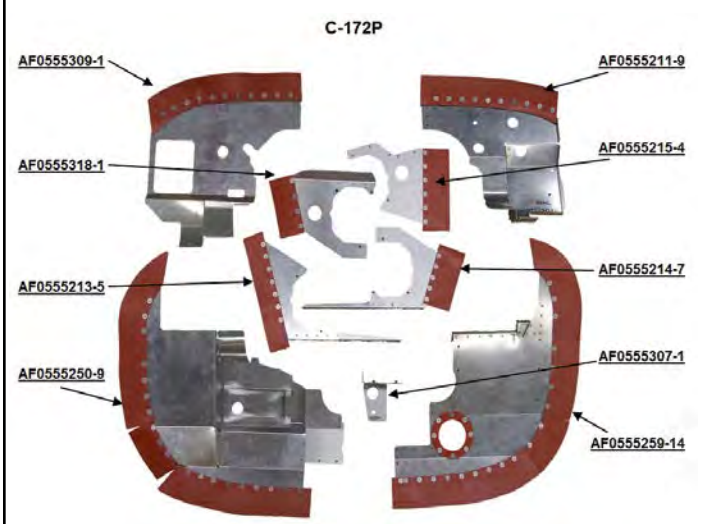
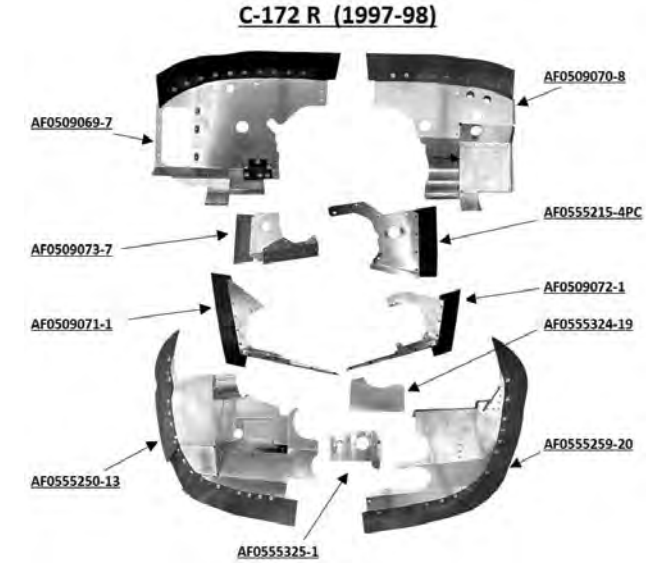


Figure 12



Firewall Forward
Baffle Kits

Figure 13

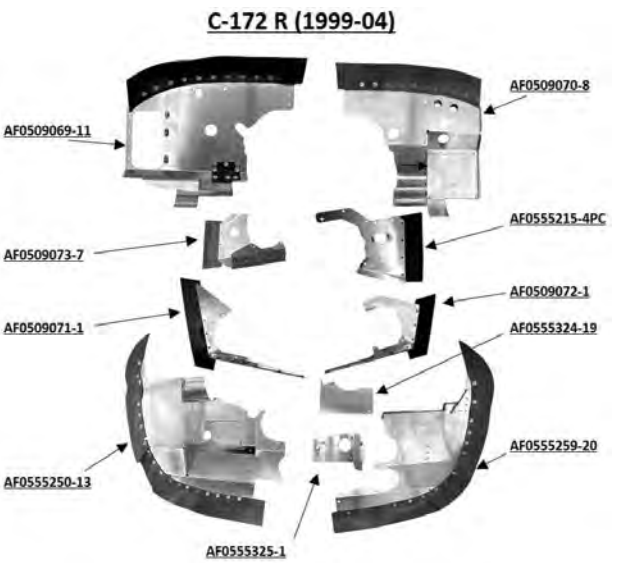


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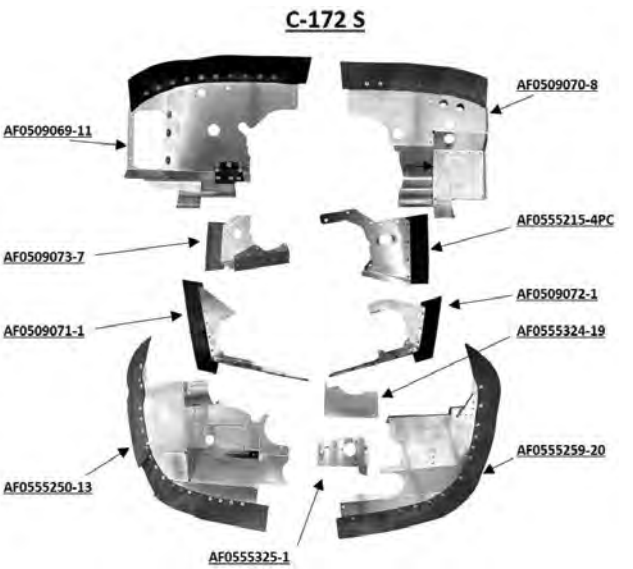


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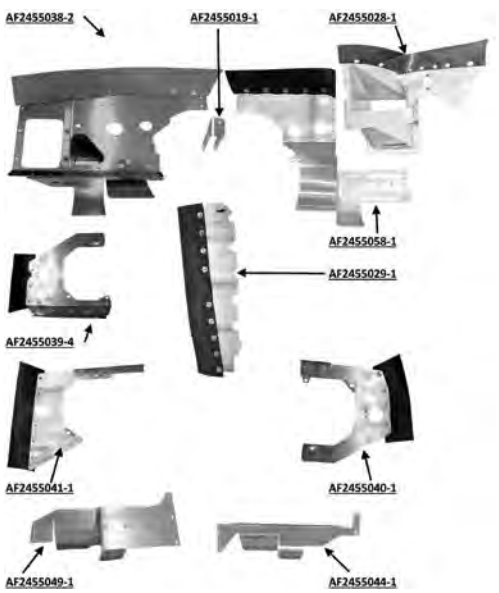


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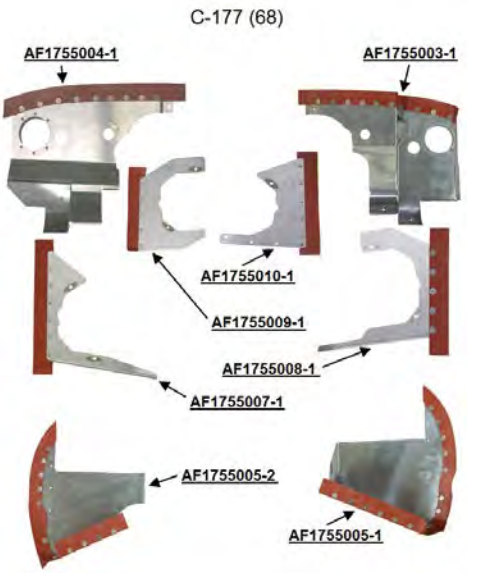


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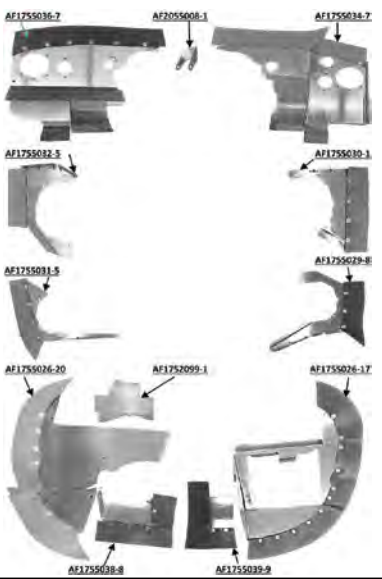


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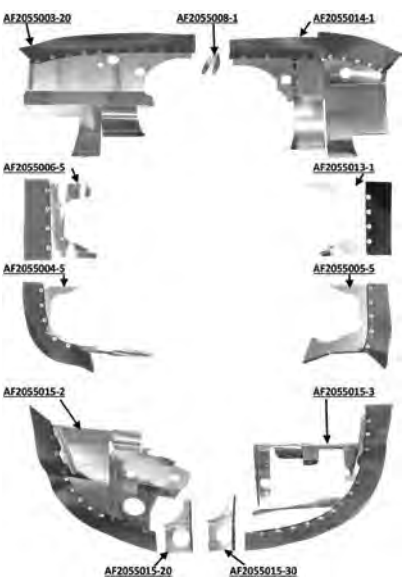
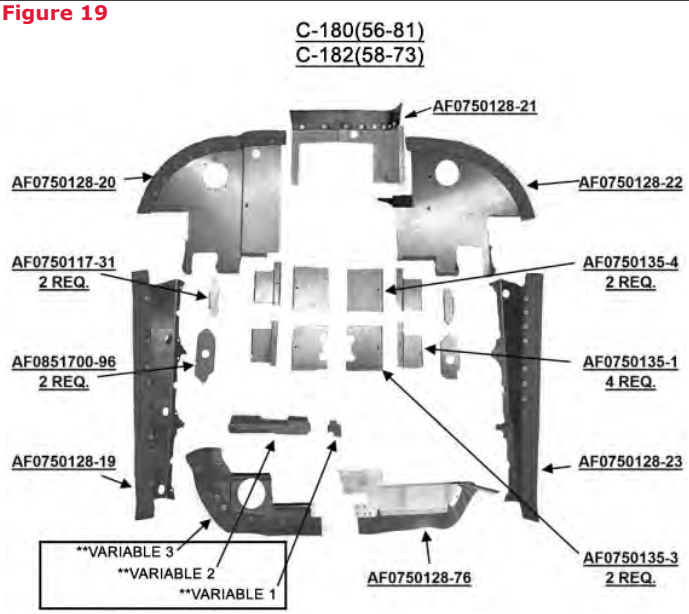
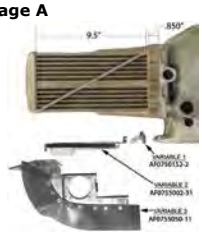


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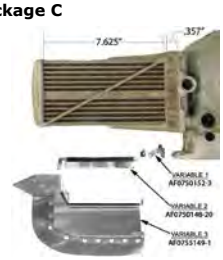
Package A



Package B



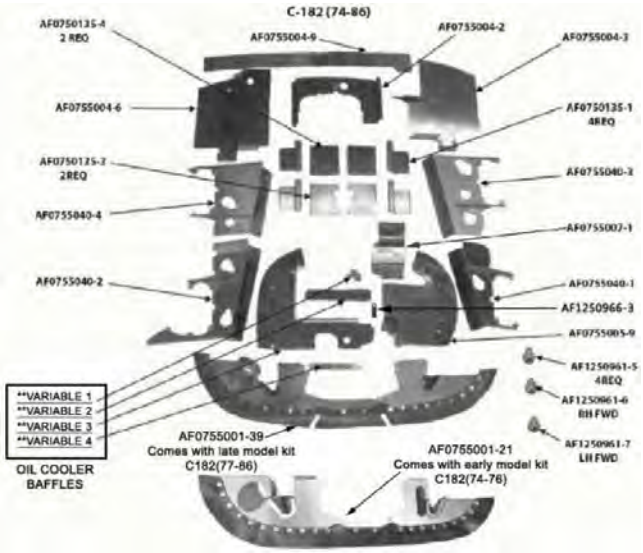
Package C



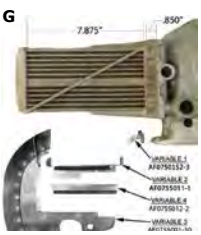
Package D



Figure 20



Package G



Package H

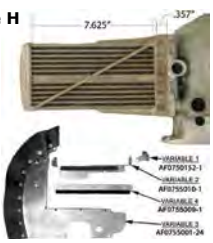
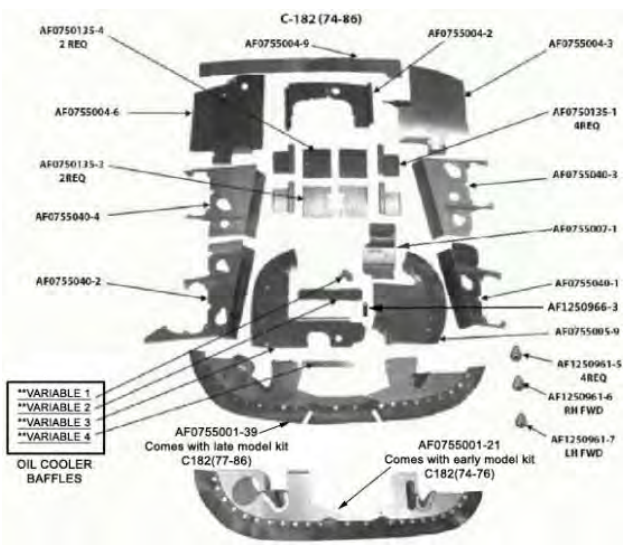


Figure 21



Package G



Package H

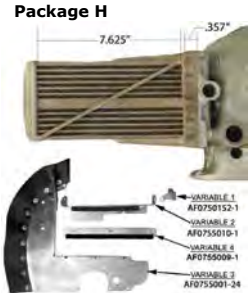
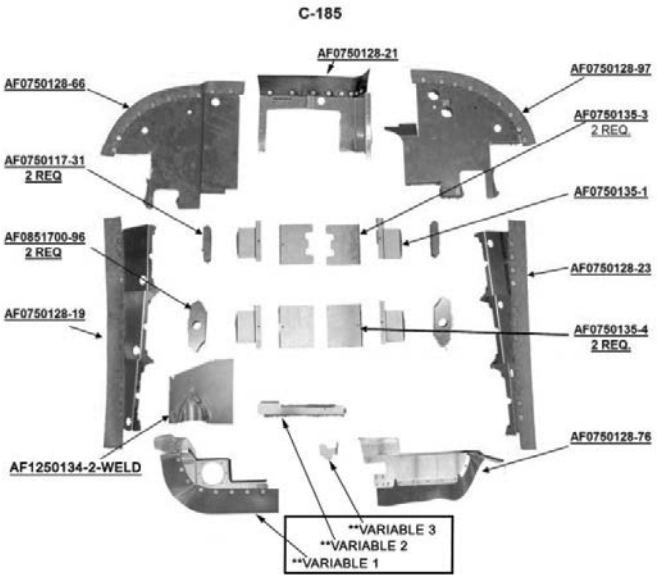
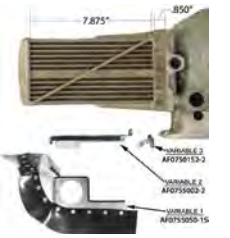


Figure 22



Package J



Package K



Figure 23

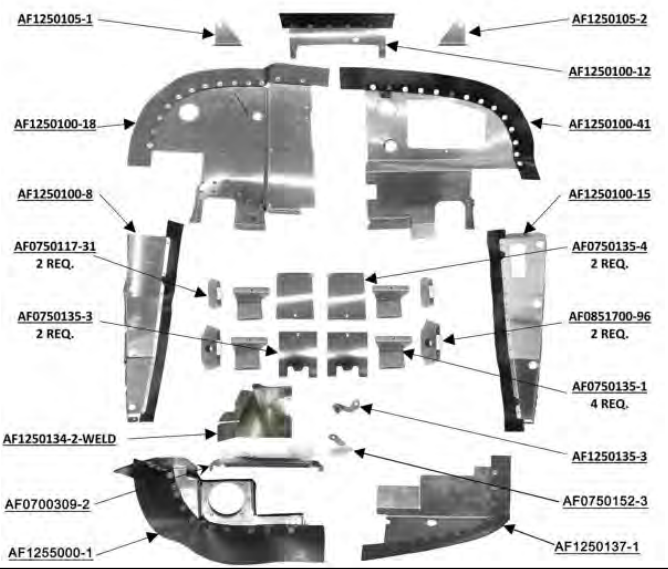


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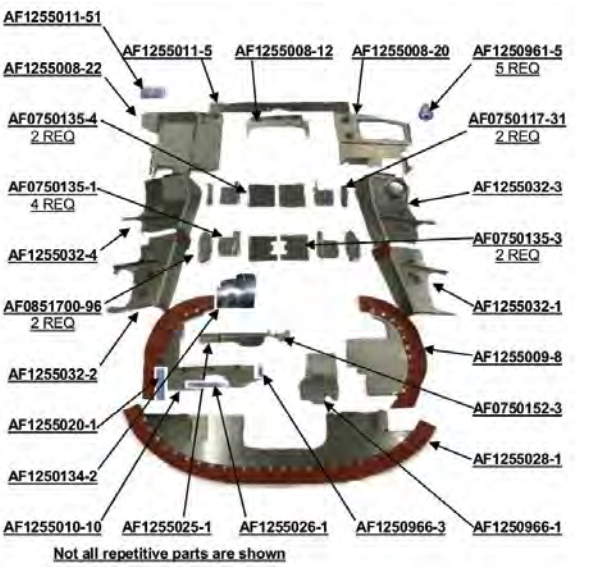


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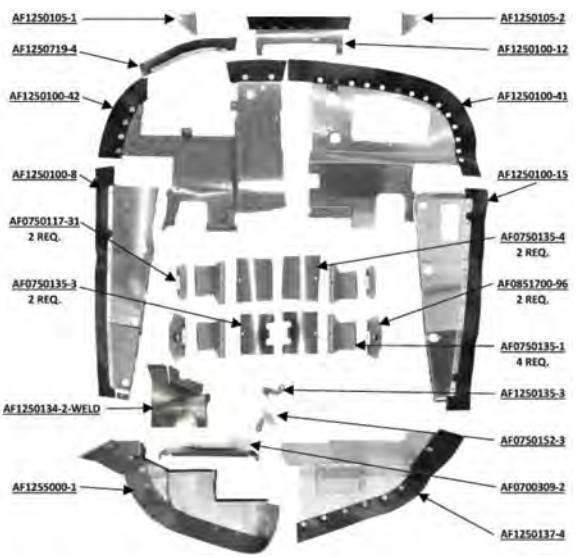


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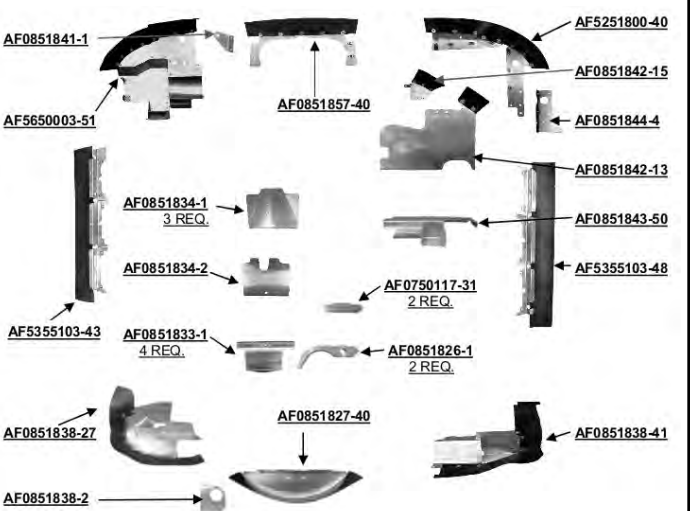


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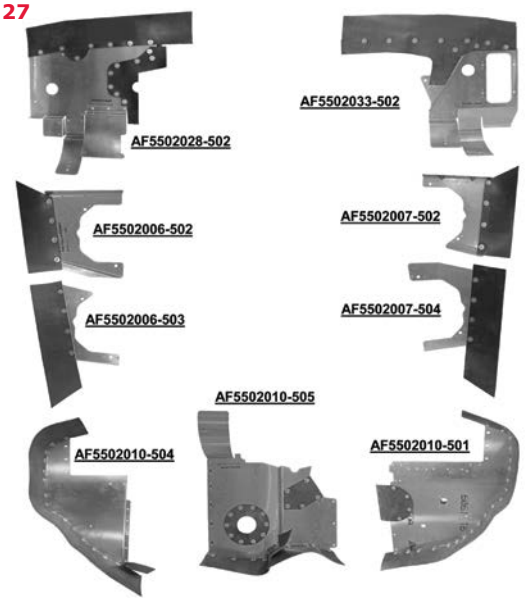


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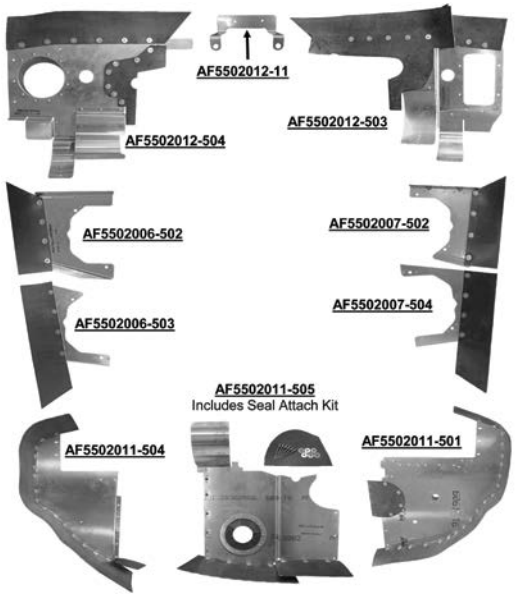


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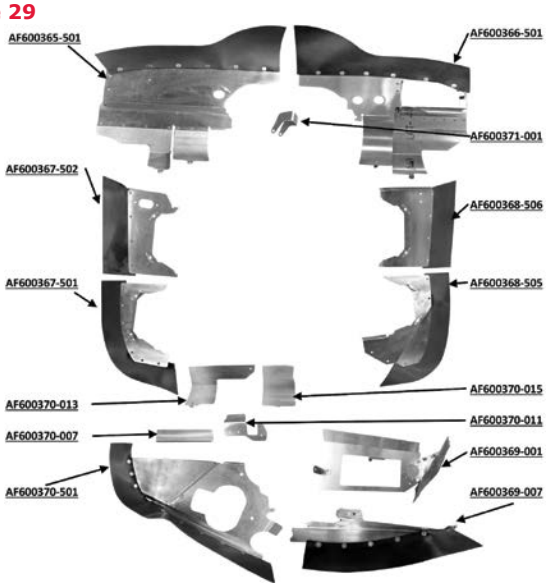


Figure 30

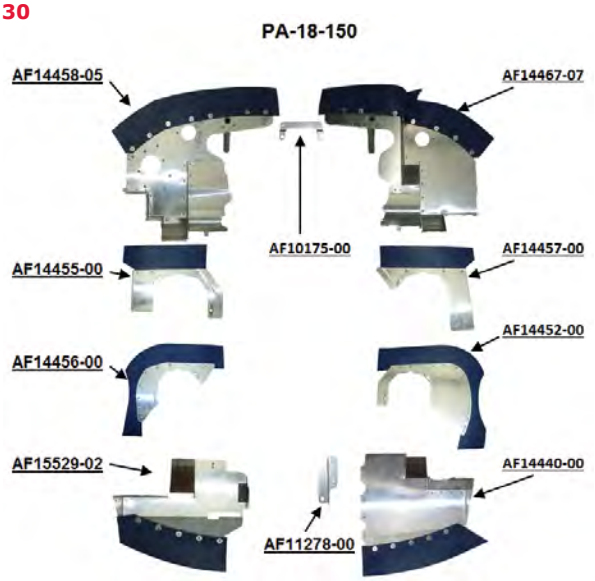


Figure 31

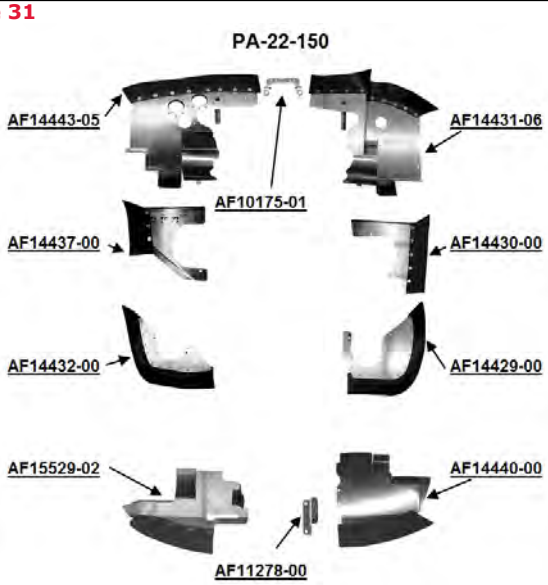


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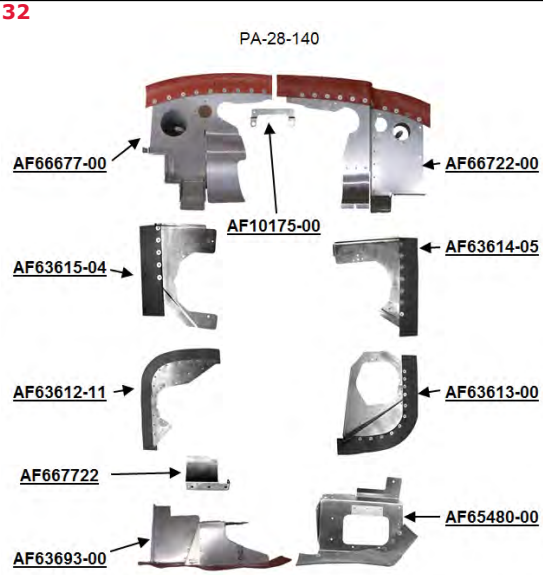


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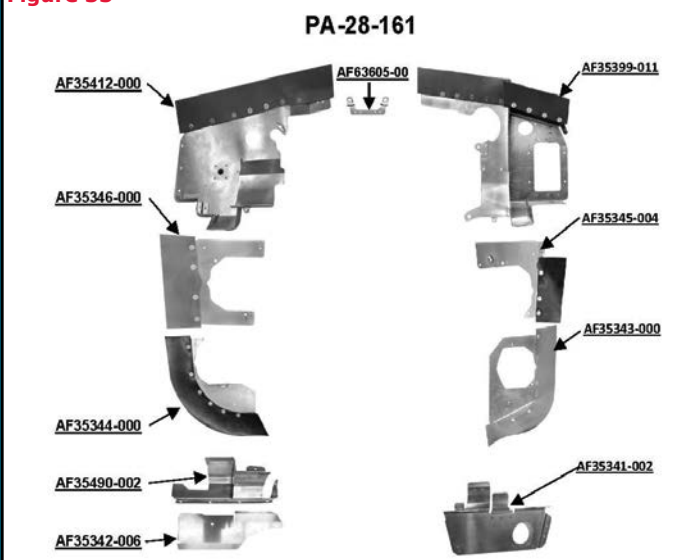


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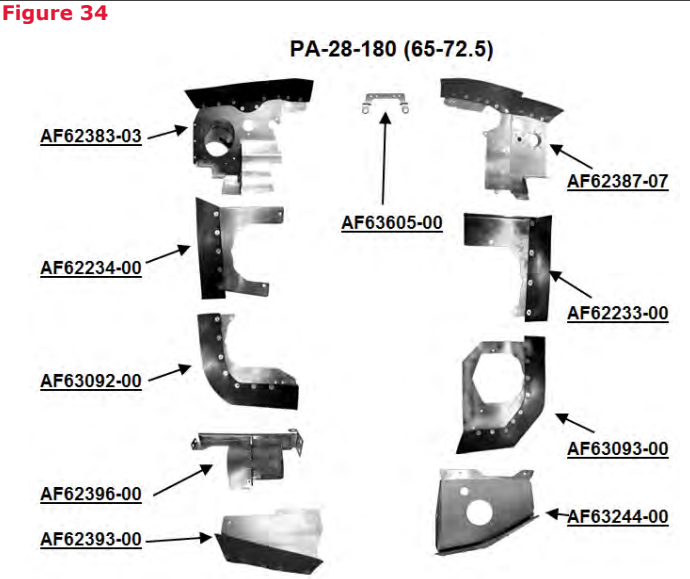


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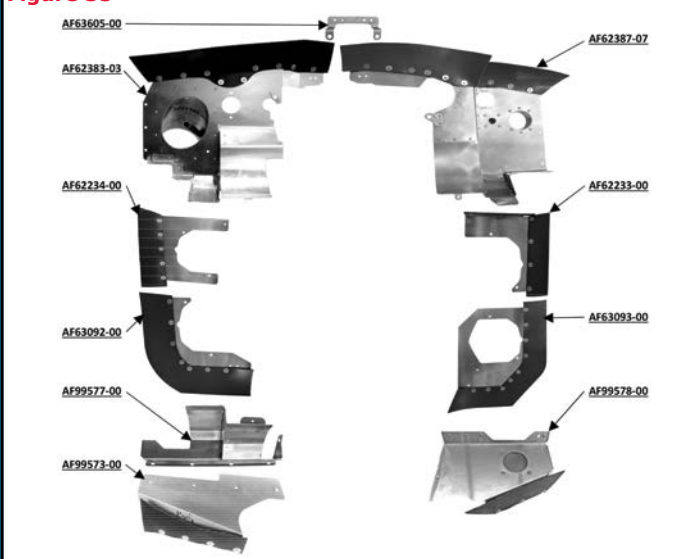


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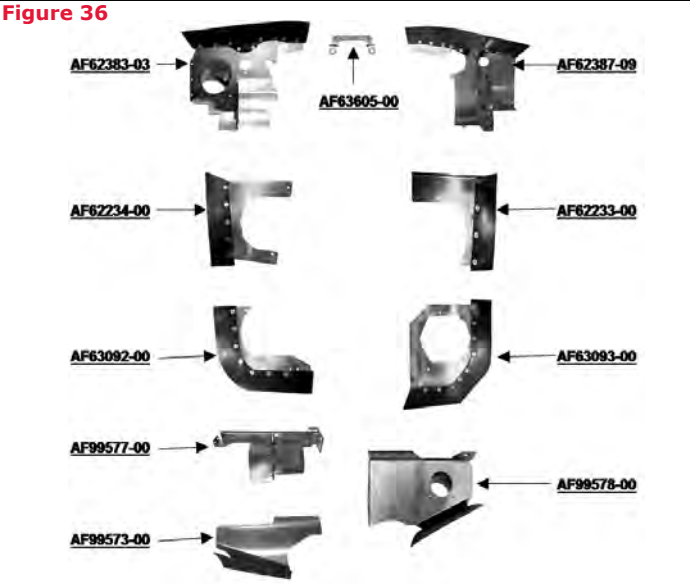


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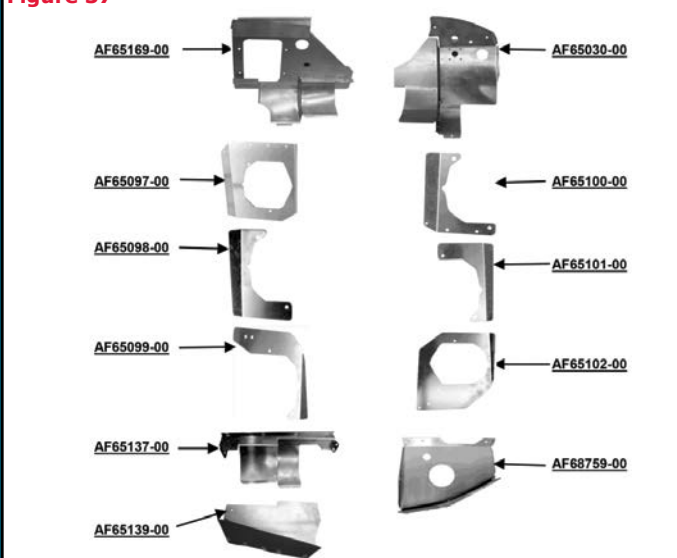


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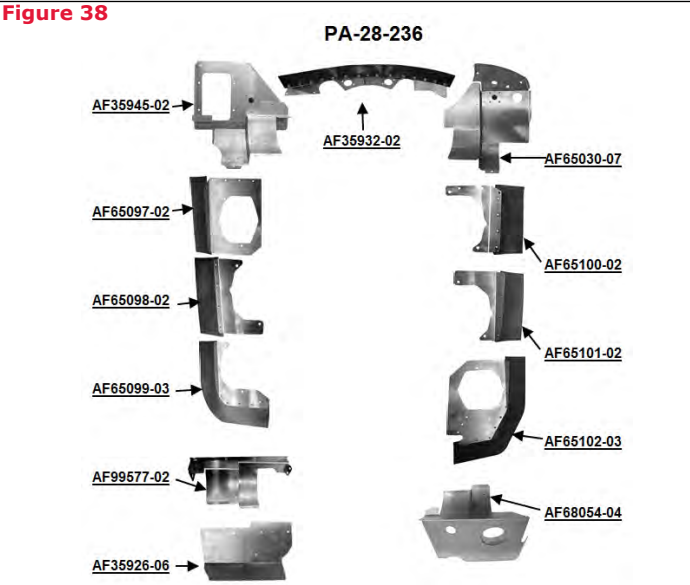


Figure 39

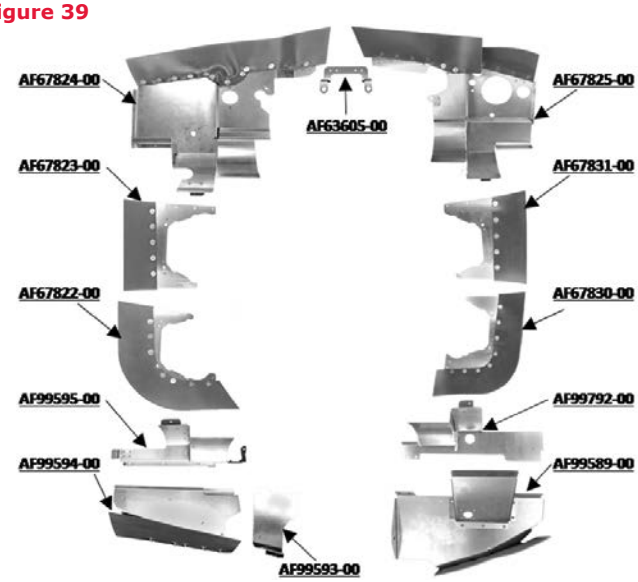


Figure 40

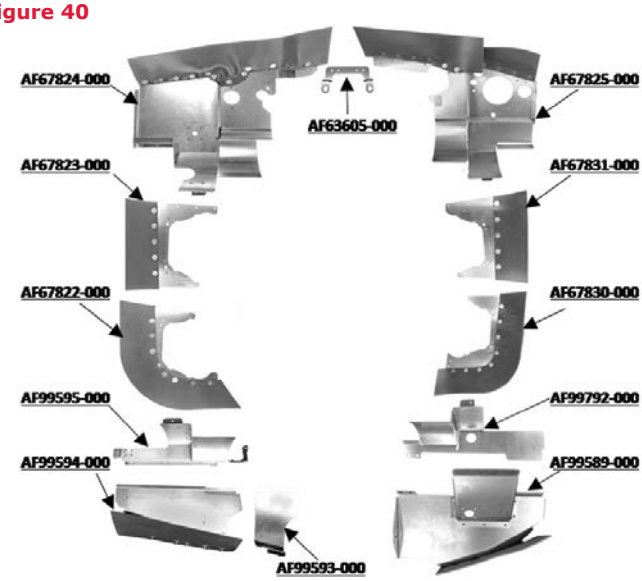


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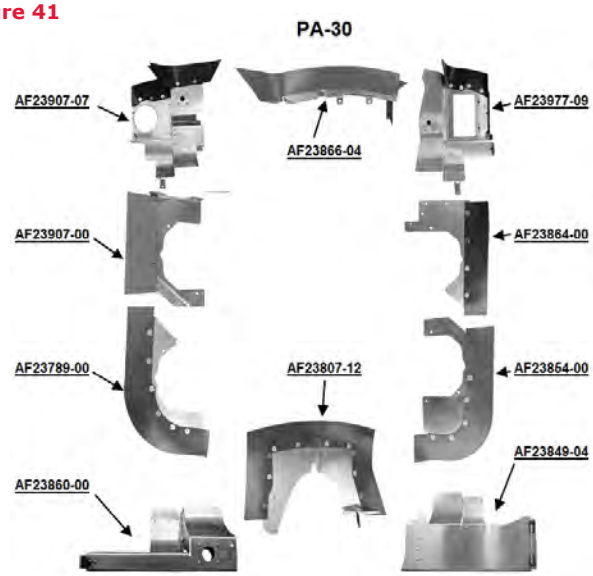


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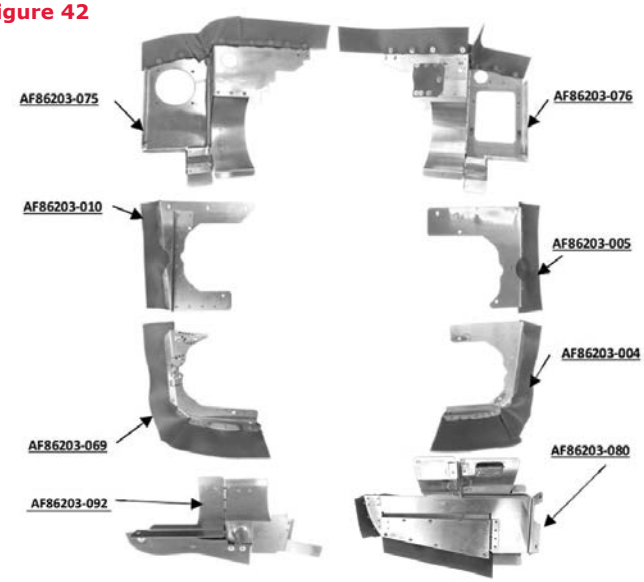


Figure 43



Figure 44

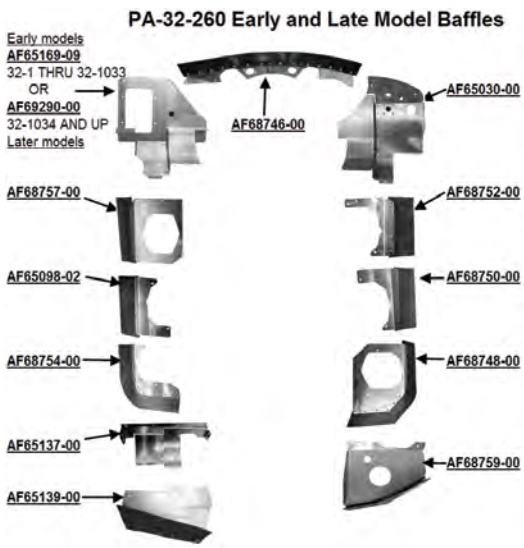
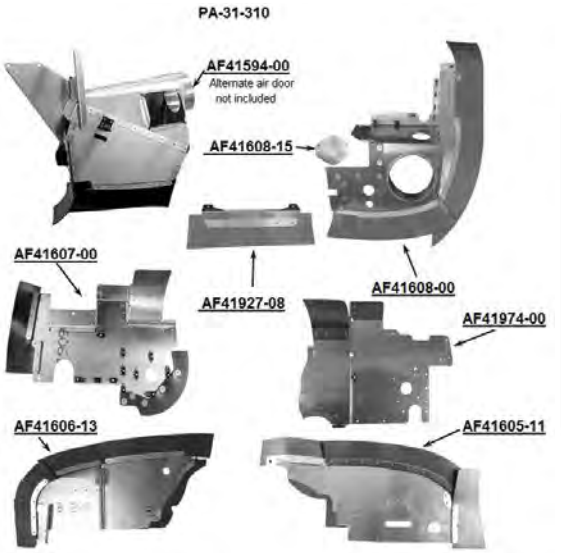


Figure 45



Baffle kits and components for models PA-31 (PA-31-310), PA-31-325 and PA-31-350 have received Alternative Method Of Compliance (AMOC) from the FAA for AD 93-23-13. Mandatory 50 hour inspection is no longer required.

Figure 46

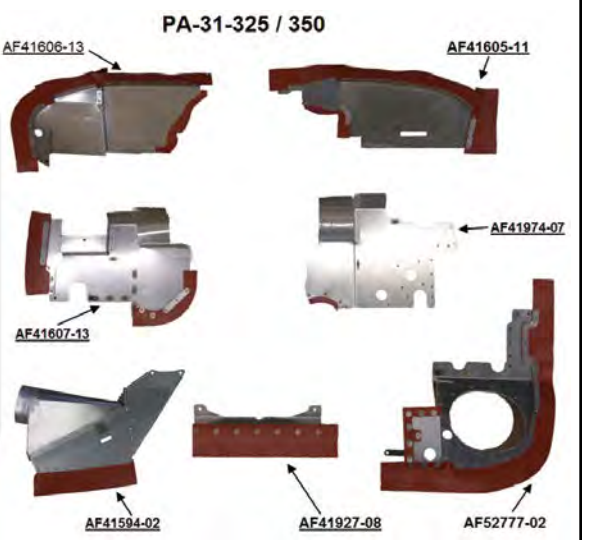


Figure 47

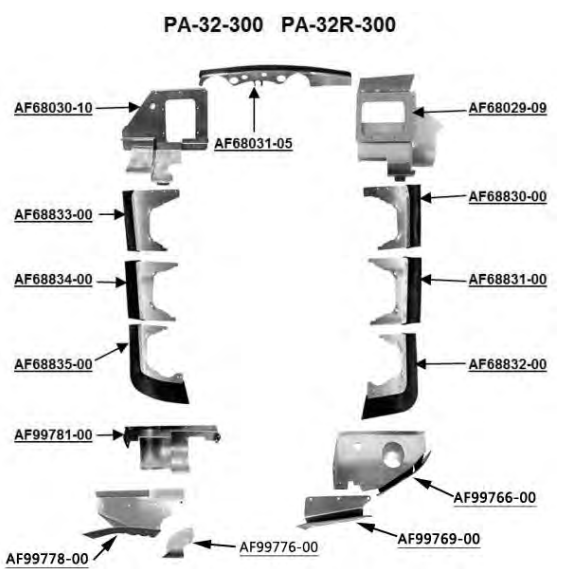
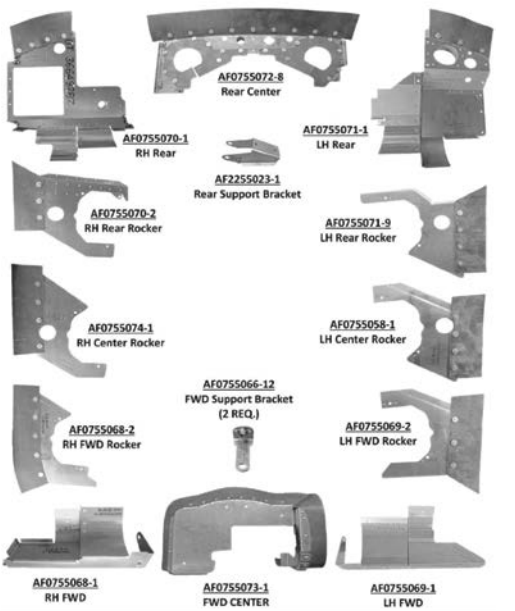


Figure 48

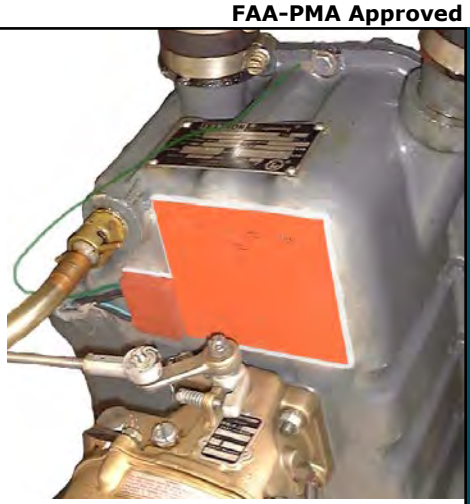




SAFE-HEET™ Silicone Pad Aircraft Engine Heaters

Easy to use!
Preheat in cold weather for longer engine life

- Permanent installation — thin flexible pad bonds to engine oil sump
- FAA-PMA for Continental, Lycoming and Franklin engines
- No STC or 337 form required (log book entry only)
- No engine or airframe modifications required
- Kit contains instructions and all necessary materials
- Uses standard 110V AC
- Can also be used with a timer or temperature controller



Now with surge protection!

Economical and Efficient

- Heats the air inside the engine
- Uses about 300 Watts
- Warms the engine oil from subzero to safe starting temperature in **less than 1 hour**
- Thermally conductive adhesive for efficient heat transfer and lower surface temperatures
- Bonded heatsink distributes heat evenly
- Reduces costly starter and engine abuse during cold weather starts

Safe

- UL recognized components. 100% thermal fused element
- External ground wire grounds the engine and airframe to the electrical outlet, reducing the risk of electrical shock in damp outdoor locations
- Thermostatically controlled to maintain oil sump temperature less than 160° F
- No flame or hot air to burn cowling or plastic parts
- Reduces the risk of fires associated with cold starts
- Ground Fault Circuit Interrupter (GFCI) included to reduce the risk of electrical shock and power surge damage

Installation Tip:
SAFE-HEET engine heaters are installed with a two-part adhesive. The engine heater can be installed quickly and easily by using the 707 temperature controller at half power. At temperatures below 70°F the temperature controller must be used to ensure proper adhesive cure. Proper adhesive cure is essential to full service life of the heater.

Convenient Kits Include Variable Temperature Controller
(also available separately, see next page)

Industry-leading
48-month Warranty!



SAFE-HEET P/N 700
200 Watts
4" X 4"



SAFE-HEET P/N 705
150 Watts
3.5" X 7.3"



SAFE-HEET P/N 720
300 Watts
4" X 7"

FAA-PMA Model Series	P/N	Kit P/N
Teledyne Continental Engines		
A65, A75, C-75, C-85, C-90, O200	705	705KT
C-125, C-145, O-300, GO-300, E165, E185, E225, IO-360, TIO-360, LTSIO-360	700	700KT
O-470, IO-470, LIO-470, FSO-470, TSIO-470, GIO-470, IO-520, GTSIO-520, LTSIO-520, IO-550	720[3]	720KT
Textron Lycoming Engines		
O-235, O-290, O-320 (EXCEPT O-320-H), IO-320, AIO-320, LIO-320, AEIO-320, O-360, HO-360, LO-360, IO-360, HIO-360, AIO-360, LIO-360, LHIO-360, AEIO-360, VO-360, IVO-360, TIO-360, TO-360, TIO-360, LTO-360, O-435, GO-435, VO-435, GO-480, GSO-480, IGSO-480	700	700KT
O-540, VO-540, TVO-540, IO-540, HIO-540, AEIO-540, IGO-540,IGSO-540,IVO-540,TIO-540,LTIO-540,TIVO-540,IO-720	720[3]	720KT
Franklin Engines		
6A4-150, 6A4-165	700 or 720	700KT or 720KT

Notes:
[1] Engine oil sump configurations may vary for specific engine models. There is insufficient oil sump or oil tank area and clearances as specified in the SAFE-HEET Installation Instructions for use of the SAFE-HEET engine heaters on some engine-airframe installations.
[2] For dry sump engines, use SAFE-HEET pads on the oil tank. The installer must evaluate as per the SAFE-HEET Installation Instructions the available oil sump or oil tank area below the oil level for use of SAFE-HEET pads on all engine models.
[3] Where the oil sump area is limited, Model 700 may be used. Specifically; 182RG Aircraft are equipped with an O-540 engine. Eligibility shows to use model 720 SAFE-HEET. We have found that there is a limited area to install the 720 model, and customers with a 182RG should use model 700 SAFE-HEET.

Variable Temperature Controller

Makes installation fast and easy!
P/N 707



Our variable temperature controller can be used for continuous engine heating. Lower temperature settings help prevent internal engine corrosion normally associated with leaving engine heaters on at full power.

Our SAFE-HEET engine heater can be plugged into the controller to improve installation. The controller allows the pad to cure its special thermo conductive adhesive by using its own heat energy at a reduced rate.

May be used with other brand engine heaters.

Ground Fault Circuit Interrupter (GFCI)

P/N 709SK



Included with our SAFE-HEET is a Ground Fault Circuit Interrupter. 709SK is used to protect your engine and SAFE-HEET from ground fault situations (insulation failure). The 600W GFCI will open the circuit if more than 5 mA is detected not returning through the GFCI.

This prevents lethal electrical shocks to the operator or electrical arcing between the engine and heat pad. Insulation failure could be caused by lightning, electrical surge or mechanical damage. In some situations, arcing between the heat pad and the engine pan could cause oil leakage and subsequent engine failure. Each GFCI is individually tested.

May be used with other brand engine heaters.

Intercylinder Baffles with Teledyne Continental Six Cylinder Engines

CASA-PMA approved for Cessna aircraft

- Replace worn baffles to maintain optimum engine cooling
- Maximum engine life
- Australian PMA approved



P/N ASP834-101



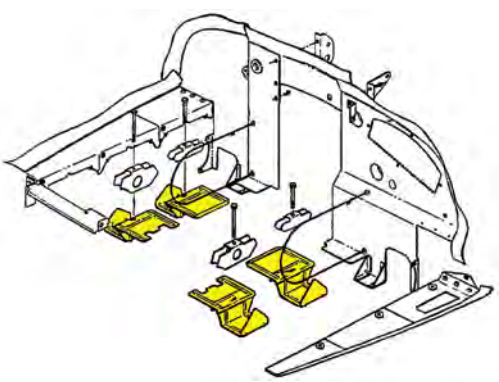
P/N ASP834-102



P/N ASP135-103



P/N ASP135-104



Manufactured by Aircraft Engineering & Maintenance Services

Model	Serial Number	ASP135-103	ASP135-104	ASP833-105	ASP834-101	ASP834-102
180	32151 thru 32661	2	2	4		
180A,B,C,D,E	32662 thru 18051183	2	1	4		
180F,G,H,J,K	18051184 thru 18018053203	3	2	4		
182	33000 thru 33482	2	2	4		
182A,B,C,D,E	33483 thru 18254423	2	1	4		
182F,G,H,J,K,L,M,N,P[1]	18254424 thru 18262465	1	1	4		
182P[1],Q,R	18262466 thru 18268615	2	2	4		
A185F	All			4		
188,188A,B, A188, A188A,B, T188C	188-0001 thru T18803968T	2	2	4		
210-5 (205), 210-5A (205A)	205-0001 thru 205-0577	1	2	4		
206,U206,U206A,B,C,D,E,F,G	206-0001 thru U20607020	2	2	4		
P206,P206A,B,C,D,E	P206-0001 thru P20600647	2	2	4		
207,207A	20700001 thru 20700788	2	2	4		
210,210A,B,C,D,E,F,G,H,J,K,L,M,N,R	57001 thru 21065009	2	2	4		
310,310A,B,C,D,E,F,G,H,I,J,K,L,N	35000 thru 310N0198	2	2	4		
T310R	All			4		
320,320A,B,C	320-0001 thru 320C0073	2		4		
320D,E,F	320D0001 thru 320F0045			4	6	2
335	335-0001 thru 335-0065			4	6	2
340,340A	340-0001 thru 340A1817			4	6	2
401,401A,B	401-0001 thru 401B0300			4	6	2
402,402A,B,C	402-0001 and On			4	6	2
414,414A	414-0001 and On			4	6	2

[1] Partial model eligibility
P/N ASP135-103 replaces Cessna P/N 0750135-3
P/N ASP135-104 replaces Cessna P/Ns 0750135-4 and 0750135-8
P/N ASP833-105 replaces Cessna P/Ns 0750135-1 and 0851833-1
P/N ASP834-101 replaces Cessna P/N 0851834-1
P/N ASP834-105 replaces Cessna P/N 0851834-2

Intake Hose Heat Deflector Shields with Teledyne Continental Six Cylinder Engines

FAA-PMA approved for Cessna aircraft
P/N MC0750143-1

- Vibration dampened to prevent cracking
- Polished stainless steel for better heat control
- Much better and 1/4 the price!





P/N MC0750143-1 replaces Cessna P/N 0750121, 0750121-1, 0750121-2, 0750143-2 and 0750143-3

Aircraft Model	Serial Number
175[1],A,B,C	56083 thru 17557119
P172	P17257120 thru P17257188
180,A,B,C,D,E,F,G,H,J,K	30000 thru 18053203
182,A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R	33000 thru 18268615
F182P,Q	F18200001 thru F18200169
A182J,K,L,M,N	A182-0001 thru A182-0148
T182	18267716 thru 18268615
185,A,B,C,D,E/A185E,F	185-0001 thru 18504448
188,A,B/A188,A,B	188-0001 thru 18803968T
T188C	T18803297T thru T18803968T
210-5 (205), 210-5A (205A)	205-0001 thru 205-0577
206	206-0001 thru 206-0275
U206,A,B,C,D,E,F,G	U206-0276 thru U20607020
P206,A,B,C,D,E/TP206A,B,C,D,E	P206-0001 thru P20600647
TU206A,B,C,D,E,F,G	U206-0438 thru U20607020
207,A/T207,A	20700001 thru 20700788
210,A,B,C,D,E,F,G,H,J,K,L,M,N,R, T210K,L,M,N,R	57001 thru 21065009
P210N,R	P21000001 thru P21000874
T210G,H,J	T210-0198 thru T210-0454

[1] Partial model eligibility

AERO-Classics Oil Coolers

FAA-PMA Approved

- Direct replacements for most oil coolers
- Ideal for many certified and experimental aircraft
- FAA 8130-3 tags included with each oil cooler

Outstanding Performance

During comparative performance tests, AERO-Classics 7 and 9 plate oil coolers outclassed competitive models, offering better overall cooling and lower weight.

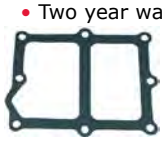
Direct Replacements for Stewart Warner Oil Coolers

- HE Series High Efficiency Coolers
- FAA-PMA direct replacement for Stewart Warner (Meggitt) oil coolers
- Match or outperform the original
- Save $$$

Don't be fooled by Stewart Warner oil coolers from many aviation suppliers. If it didn't come directly from the aircraft manufacturer or if they don't say "FAA-PMA", then it is not FAA approved (even though they may have the same part number and manufacturer).

Highest Quality, Best Value

- Corrosion Protection per MIL-C-5541, Class 1A
- Optimized internal oil flow design
- Low cost
- In-stock for fast delivery
- Pressure tested to 400 psig
- Light-weight
- Two year warranty


P/N 654117


P/N 652079


P/N 649964

Manufacturer Installation Tips:

Mounting Flanges

Be sure to mount the cooler using all four mounting flanges. This will evenly distribute stress that can cause cracking.

Threads and Hoses

- On pipe (tapered) threads, Anti-seize lubricant should always be used to prevent thread galling. Steel fittings are an additional added measure that can prevent thread galling.
- Avoid damage to the oil cooler during operation. Hoses connecting to the oil cooler should be installed, supported, and tied down to avoid vibration and pulling stresses onto the oil cooler. Hoses must be fastened to the same structure as the cooler. If the cooler is mounted to the airframe structure, the hoses must be supported by the airframe structure. If the cooler is attached to the engine structure, the hoses must be supported by the engine structure. Do not allow engine movement stresses into the cooler through the hoses.
- A back-up wrench should always be used when installing fittings into any oil cooler to prevent damage to the oil cooler.
- Please note (if applicable) the threads on this part have been inspected by the manufacturer before shipment and found to be in conformity. Galling of threads is not considered a warrantable claim.


Front Mount,12 Bolt Non Congealing Oil Cooler
P/N 8000319


Rear Mount Oil Cooler
P/N 8000464


Front Mount, 8 Bolt Oil Cooler
P/N 8000934

P/N	Description	FAA Approved Replacement	Eligible Continental Engine Models	Gaskets (not included with oil cooler)
Front-Mount, 8 Bolt Oil Coolers				
8000925		Continental 627392, Niagara 20585A	O-470-A,B,E,G,J,K,L,M,P,R,S,U IO-470- C,D,E,F,G,H,J,K,L,M,N,P,R,S,U,V	654117 649964 (plate)
8000934		Continental 646880, Niagara 20591A	IO-360-A,AB,C,CB,D,DB,G,GB,H,HB,HB9,J,JB,K,KB,ES TSIO-360-A,AB,B,C,CB,D,DB,E,F,GB,H,JB,KB,LB,MB L/TSIO-360-E,EB,F,FB,GB,H,HB,JB,KB,LB,MB,RB	654117, 649964 (plate)
Front-Mount, 12 Bolt Congealing Oil Coolers				
8000683	Non-7th Stud	Continental 626189, Niagara 20573A	O-470-B,J,K,L,M,R,IO-470-D,F,L,M,S IO-520-A,D,E,F,J,K,L, L/TSIO-520-AE, O-550-D	654553 649964 (plate)
8000687	7th Stud	Continental 652671, Niagara 20440A	IO-520-A,D,E,F,J,K,L, L/TSIO-520-AE, IO-550-D	654555, 649964 (plate)
Front-Mount, 12 Bolt Non Congealing Oil Coolers				
8000545	10" Universal 7th Stud	Continental 639171, Niagara 20795A Continental 654595, Niagara 20617A	O-470-R,S,U, IO-520-A,D,E,F,J,K,L TSIO-520-C,G,H,M,P,R,T,AF,CE, IO550-D,E,F,L	654554 652079 (plate)
8000319	11" Universal 7th Stud	Continental 639151, Niagara 20446A	O-470-F,K,L,R, IO-470-L, IO-520-A,D,E,F,J,K,L	654560, 652079 (plate)
8000319	11 7th Stud	Continental 654593, Niagara 20618A	IO-470-L, IO-520-A,D,E,F,J,K,L	654554, 652079 (plate)
8000531	11.5" Universal 7th Stud	Continental 639152, Niagara 20623A	O-470-M, IO-470-D,U,V, IO-520-A,D,E,F,J,K,L	654560, 652079 (plate)
8000127	11.5" 7th Stud	Continental 652759, Niagara 20448A	IO-520-A,D,E,F,J,K,L	654554, 652079 (plate)
Rear-Mount Oil Coolers				
8000440	Valve P/N 639305 small	Continental 654580, Niagara 10279A	TSIO-520-BE,E,J,L,N,VB,WB,EB,JB,LB,NB, 550-E, IO-550-B,C,G	G-KT-1
8000464	Valve P/N 639305 small	Continental 646685, Niagara 10196A	GTSIO-520-C,D,F,H,K,L,M,N	G-KT-2
8000953	Valve P/N 649369 large	Continental 654585, Niagara 10281A	IO-550-G,N,P,R, IO-F550-G,N,P,R, TSIO-550-G	G-KT-3
8000960	Valve P/N 639305 small	Continental 654572, Niagara 10278A	IO-520-B,BA,BB,C,CB,M,MB, TSIO-520-B,D,K,UB, IO-550-A,B,C	G-KT-1
8001213	Valve P/N 649369 large	Continental 655090, Niagara 10280A	IO-550-B,C, IOF-550-B,C, TSIO-520-B	G-KT-5

Continued on next page

AERO-Classics Oil Coolers continued from previous page

Remote Mount Oil Coolers (typically used with Lycoming engines)



Bar and Plate
P/N 8000356



7 row drawn cup
P/N 8000075



HE Series
P/N 8001646



HE Series
P/N 8001599

Important: To confirm FAA approved eligibility, verify that your current (or originally) installed oil cooler P/N is listed in the "FAA Approved Replacement for" column for your aircraft model.

Aircraft Model	FAA Approved Replacement for P/N	Description	P/N
AEROSTAR			
601, 601P, 602P, 700P	Niagara 20015A, 20044A, Harrison 8541336	bar and plate	8000357
American Champion Aircraft Corp.			
7ECA, 7GCAA, 7GCBC	American Champion Aircraft 8526250	7 row drawn cup	8000075
Beechcraft			
19, C23, A24R, C24R	Niagara 20002A, Harrison 8526250, AP07AU06-03	7 row drawn cup	8000075
19A, B19, A23, A23A, A24, A24R, B23, C23	Beech 169-910002-23, 169-380001-1, Stewart Warner 8406R	HE Series	8001602
A23-24	Beech 169-910002-23, 169-380001-1, Stewart Warner 8406R	HE Series	8001602
	Beech 169-380033, Stewart Warner 8432S		8001694
Brittan-Norman (Pilatus)			
BN-2	BN 354501026, Stewart Warner 8406R	HE Series	8001602
BN-2A	Niagara 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215
	BN 354501026, Stewart Warner 8406R	HE Series	8001602
BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27	BN 354501026, Stewart Warner 8406R	HE Series	8001602
BN-2B	Niagara 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215
BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T-4R	BN 354501026, Stewart Warner 8406R	HE Series	8001602
Cessna			
150, 152, A152	Niagara 20002A, Harrison 8526250 and AP07AU06-03	7 row drawn cup	8000075
162	Cessna and Stewart Warner 10578R	HE Series	8001535
170	Niagara 20002A, Harrison 8526250 and AP07AU06-03	7 row drawn cup	8000075
172	Niagara 20002A, Harrison 8526250 and AP07AU06-03	7 row drawn cup	8000075
	Cessna and Stewart Warner 8406R	HE Series	8001733
175, 177	Niagara 20002A, Harrison 8526250 and AP07AU06-03	7 row drawn cup	8000075
177RG	Cessna and Stewart Warner 8406R	HE Series	8001733
172N	Cessna and Stewart Warner 10599R	HE Series	8001599
172R,S	Cessna and Stewart Warner 10877R	HE Series	8001588
182	Cessna and Stewart Warner 10610R	HE Series	8001646
R182, TR182	Cessna and Stewart Warner 10614R	HE Series	8001643
	Cessna and Stewart Warner 10610R		8001646
T182, TR182, T182T	Cessna and Stewart Warner 10891A	HE Series	8001718
210-5 (205), 210-5A (205A)	Cessna and Stewart Warner 10634R	HE Series	8001652
206, 206H, P206, P206A,B,C,D,E, U206, U206A,B,C,D,E,F,G	Cessna and Stewart Warner 10880A	HE Series	8001713
T206H, TP206A,B,C,D,E, TU206A,B,C,D,E,F,G	Cessna and Stewart Warner 10865B	HE Series	8001701
210, 210A thru 210R, P210N,R, T210F thru T210R	Cessna and Stewart Warner 10634R	HE Series	8001652
Commander, Twin Commander Aircraft LLC			
114, 114A, 500S	Commander 630146-509, Niagara 20009A, Harrison 8533718, 8537798	18 row drawn cup	8000353
Cub Crafters Inc.			
CC18-180, CC18-180A	Niagara 20003A, Harrison 8529245 and AP09AU06-01	9 row drawn cup	8000074
Grumman			
AA-5 (Tiger)	5505002-2, Stewart Warner 10568R	HE Series	8001640
AA-5A Series (Cheetah)	5505002-1, Stewart Warner 10578R	HE Series	8001535
Maule			
M-5-180, M-5-180C, M-5-235C, M-6-180, M8-235, MX7-160, MX7-160C, MX7-180, MX7-180A, MX7-180AC, MX7-180B, MX7-180C, MXT7-160, MXT7-180, MXT7-180A,	Niagara 20003A, Harrison 8529245 and AP09AU06-01	9 row drawn cup	8000074
M5-235, M6-235, M7-235A, M8-235, MX7-235, MT7-235, M7-235B, M7-235C, MT7-260, M7-260, M7-260C	Niagara 20003A, Harrison 8529245 and AP09AU06-01	9 row drawn cup	8000074
	Niagara 20006A, Harrison 8534108 and AP13AU06-01	13 row drawn cup	8000215 1

Continued on next page

AERO-Classics Oil Coolers continued from previous page

Remote Mount Oil Coolers (typically used with Lycoming engines)

Eligibility continued from previous page			
Aircraft Model	**FAA Approved Replacement for P/N**	**Description**	**P/N**
Mooney			
MC20A, MC20B	Mooney 620036, Stewart Warner 8406R	HE Series	8001602
M20C, M20D	Niagara 20002A, Harrison 8526250, AP07AU06-03	7 row drawn cup	8000075
	Mooney 620036, Stewart Warner 8406R	HE Series	8001602
M20E, M20F	Mooney 620016, 620052, Stewart Warner 8432R	HE Series	8001689
	Mooney 6200160501, Stewart Warner 8432S		8001694
M20G	Mooney 620036, Stewart Warner 8406R	HE Series	8001602
M20J	Mooney 620016, 620052, Stewart Warner 8432R	HE Series	8001689
Piper			
PA-18,18A	Harrison 8521940	bar and plate	8000328
[2] PA-18, -18A, -18S, -18 "105" Special, -18 "125"(Army L-21A), -18S "125", -18AS "125", -18 "135" (Army L-21B),-18A "135", -18S "135", -18AS "135", -18 "150", -18A "150", -18S "150P", -18AS "150", -19 (Army L-18C), -19S	Niagara 20003A, Harrison 8529245 and AP09AU06-01	9 row drawn cup	8000074
PA22-135,150,160	Harrison 8521940	bar and plate	8000328
PA-23, S/N 23-163 and up	Piper 18622-00, Niagara 20002A, Harrison 8526250	7 row drawn cup	8000075
PA-23	Niagara 20104A, Harrison 8530016, 8537798	9 row, 2 pass drawn cup	8000343
PA-23-160	Piper 18622-00, Niagara 20002A, Harrison 8526250	7 row drawn cup	8000075
PA23-235,250	Niagara 20104A, Harrison 8530016, 8537798	9 row, 2 pass drawn cup	8000343
PA-23-250	Piper 32330-07, S/W Meggit 10631S	HE Series	8001956
PA-24	18622-00, Niagara 20002A, Harrison 8526250, AP07AU06-03	7 row drawn cup	8000075
PA-24-260 S/N 24-4783, 24-4804 and up	Niagara 20104A, Harrison 8530016, 8537798	9 row, 2 pass drawn cup	8000343
PA-25	Niagara 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215
PA-25-235	Niagara 20104A, Harrison 8530016, 8537798	9 row, 2 pass drawn cup	8000343
PA-28-140,150,151,160,161,180,181	Niagara 20002A, Harrison 8526250 and AP07AU06-03	7 row drawn cup	8000075
	Niagra 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215 [1]
PA-28R-200,201,201T	Piper 67848-00, Niagara 20017A, Harrison 8537820	13 row, drawn cup with cutout	8000661
PA-28-235	Niagara 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215 [1]
PA-28-236	Niagara 20003A, Harrison 8529245 and P09AU06-01	9 row drawn cup	8000074
PA-30	18622-00, Niagara 20002A, Harrison 8526250, AP07AU06-03	7 row drawn cup	8000075
	Niagara 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215 [1]
PA-31	Niagara 20104A, Harrison 8530016, 8537798	9 row, 2 pass drawn cup	8000343
PA-31-310,325,350	Niagara 20010A, Harrison 8535311	bar and plate	8000356
PA-32-260	Piper 18622-00, Niagara 20002A, Harrison 8526250	7 row drawn cup	8000075
PA-32-300	Niagara 20003A, Harrison 8529245	9 row drawn cup	8000074
PA-32R-300	Piper 556-391, Harrison 8543897	bar and plate	8001201
PA-32RT-300,300T, PA-32R-301,301T	Niagara 20010A, Harrison 8535311	bar and plate	8000356
PA-34-200	Piper 67848-00, Niagara 20017A, Harrison 8537820	13 row, drawn cup with cutout	8000661
PA-39	Piper 18622-00, Niagara 20002A, Harrison 8526250	7 row drawn cup	8000075
Robinson Helicopter			
R22	Niagara 20008A	17 row drawn cup	8000216
R44, R44II	Robinson and Stewart Warner 10886A	HE Series	8001723
Sikorsky Aircraft			
269C	Meggitt and Stewart Warner 10655A		8002517
Sky International (PITTS)			
S-2B	Niagara 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215
	Niagara 20009A, Harrison 8533718, 8537798	18 row drawn cup	8000353
Socata			
TB9, TB10	Niagara 20002A, Harrison 8526250, AP07AU06-03	7 row drawn cup	8000075
TB20, TB200	Niagara 20006A, Harrison 8534108, AP13AU06-01	13 row drawn cup	8000215
	Niagara 20009A, Harrison 8533718, 8537798	18 row drawn cup	8000353

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AERO-Classics Oil Coolers continued from previous page

Remote Mount Oil Coolers (typically used with Lycoming engines)

Eligibility continued from previous page			
Taylorcraft 2000, LLC			
F22B, F22C, F22R	Niagara 20002A, Harrison 8526250, AP07AU06-03	7 row drawn cup	8000075
Univair (Stinson)			
108, 108-1, 108-2, 108-3	Niagara 20002A, Harrison 8526250, AP07AU06-03	7 row drawn cup	8000075
Vulcan Air S.p.a.			
P.68C	Vulcan S.p.a. NOR.373-1	13 row drawn cup	8000215

Notes

1 McFarlane engineering is unable to confirm this eligibility entry. P/N 8000215 is for larger (300HP+) engines.

2 When modified with IAW Cub Crafters Inc. STC # SA00718SE or SA92NW.

Cross Reference	
Beechcraft P/N	**AERO-Classics P/N**
169-380001-1	8001602
169-380033	8001694
169-910002-23	8001602
Britten-Norman (Pilatus) P/N	**AERO-Classics P/N**
354501026	8001602
Continental P/N	**AERO-Classics P/N**
626189	8000683
627392	8000925
639151	8000319
639171	8000545
646685	8000464
646880	8000934
652671	8000687
652759	8000127
654572	8000960
654580	8000440
654585	8000953
654593	8000307
654595	8000545
655090	8001213
693152	8000531
Harrison P/N	**AERO-Classics P/N**
8521940	8000328
8526250	8000075
8529245	8000074
8530016	8000343
8533718	8000353
8534108	8000215
8535311	8000356
8537798	8000343
8537820	8000661
8541336	8000357
8543897	8001201
Mooney P/N	**AERO-Classics P/N**
620016	8001689
620036	8001602
620052	8001689
6200160501	8001694
Niagra P/N	**AERO-Classics P/N**
10196A	8000464
10278A	8000960
10279A	8000440
10280A	8001213
10281A	8000953
20002A	8000075
20003A	8000074
20006A	8000215
20008A	8000216

Continued in next column

Cross Reference	
Continued from previous column	
Niagra P/N	**AERO-Classics P/N**
20009A	8000353
20010A	8000356
20015A	8000357
20017A	8000661
20044A	8000357
20104A	8000343
20440A	8000687
20446A	8000319
20448A	8000127
20573A	8000683
20585A	8000925
20591A	8000934
20617A	8000545
20618A	8000307
20623A	8000531
20710A	8001080
20795A	8000545
Piper P/N	**AERO-Classics P/N**
18622-00	8000075
556-391	8001201
67848-00	8000661
85472-012	8001080
Stewart Warner	**AERO-Classics P/N**
8406R	8001733
8406R	8001602
8432R	8001689
8432S	8001694
10568R	8001640
10578R	8001535
10599R	8001599
10610R	8001646
10614R	8001643
10634R	8001652
10865B	8001701
10877A	8001588
10880A	8001713
10886A	8001723
10891A	8001718
Twin Commander P/N	**AERO-Classics P/N**
630146-509	8000353
True Flight Holding LLC P/N	
5505002-1	8001535
5505002-2	8001640
Verify aircraft make and model to ensure direct replacement eligibility. An IPC will confirm the part number that came equipped with the aircraft.	

Save 3.7 lbs with the aluminum Oil Coolers for PA18 and PA22 Series!

Stewart Warner Oil Coolers

Factory new oil coolers manufactured by Stewart Warner are ideal for many experimental applications. They are identical to Stewart Warner oil coolers used on many certified aircraft but are not FAA-PMA approved. Form 337 field approvals are required for installation on certified aircraft.

Available part numbers: 10611R, 10611S, 10631S, 10655A, 8001602, 8001733 and 8446S.



Rocker Cover Gaskets

Reusable, silicone!

- FAA-PMA Direct replacement for Continental and Lycoming Engines
- For use in certified and experimental aircraft

Intake Manifold Tubes

550 Crossflow Style

- FAA-PMA Direct replacement for Continental Engines

Oil Drain-Back Tubes

Save up to 50%

- FAA-PMA direct replacement for Lycoming tubes
- For use in certified and experimental

Figure numbers referenced in eligibility table below


1
P/N APS-11935


2
P/N APS-68759


3
P/N APS-68760


4
P/N APS-68761


5
P/N APS-71737


6
P/N APS-72702


7
P/N APS-72703


8
P/N APS-73027


9
P/N APS-74808


10
P/N APS-653193-S


11
P/N APS-655528-S


12
P/N APS-655704-S


13
P/N APS-655705-S

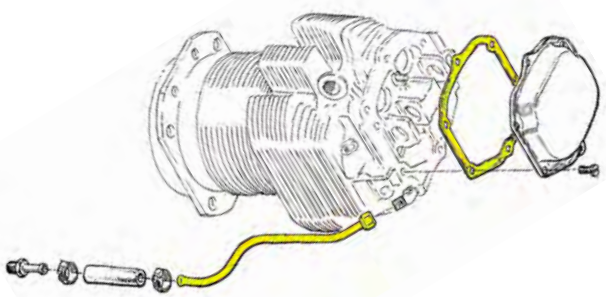

14
P/N APS-655706-S


15
P/N APS-67193-S


16
P/N APS-71450-S


17
P/N APS-75906-S


18
P/N APS-76036-S



Engine Model		Intake Manifold Tubes								Oil Drain-Back Tubes									Rocker Cover Gaskets								
		APS-633730 (Flange)	APS-646198 (#1 Cyl.)	APS-646199 (#2 Cyl.)	APS-646204 (#3 Cyl.)	APS-646205 (#4 Cyl.)	APS-646206 (#5 Cyl.)	APS-646207 (#6 Cyl.)	APS-646440 (Induction)	APS-11935 Fig. 1	APS-68759 Fig. 2	APS-68760 Fig. 3	APS-68761 Fig. 4	APS-71737 Fig. 5	APS-72702 Fig. 6	APS-72703 Fig. 7	APS-73027 Fig. 8	APS-74808 Fig. 9	APS-653193-S Fig. 10	APS-655528-S Fig. 11	APS-655704-S Fig. 12	APS-655705-S Fig. 13	APS-655706-S Fig. 14	APS-67193-S Fig. 15	APS-71450-S Fig. 16	APS-75906-S Fig. 17	APS-76036-S Fig. 18
Continental Engines																											
A-75, A-85, C90, C125, C145 Series																						•					
E165, E185, E225 Series																			•								
GO300	A,B,C,D,E,F																					•					
GTSIO520	C,D,F,H,K,L,M,N (C and F only applicable to APS-655705-S)	•																				•					
IO240, IO360 Series																					•						
IO470	J,K																		•								
	D,E,F,H,L,M,N,S,U,V																			•							
IO520 Series																				•							
IO550	A,B,C,D,E,F,L																			•							
	G,N,P,R	•	•	•	•	•	•	•	•													•					
IO550F	N,P,R	•	•	•	•	•	•	•	•																		
LTSIO520	A,E																		•								
O200, O300 Series																						•					
O470	A,E,J																		•								
	G,K,L,R,S,U																			•							
TSIO360 Series																					•						
TSIO470	B,C																			•							
TSIO520	AF,CE,UB,B,BB,C,D,DB,E,EB,G,H,J,JB,K,KB,L, LB,M,N,NB,P,R,T,VB,WB																			•							
	BE	•	•	•	•	•	•	•	•													•					
TSIO550	A,B,C,E,G,K	•	•	•	•	•	•	•	•													•					
TSIOF550	D,J,K	•	•	•	•	•	•	•																			

Eligibility continued on next page

Gaskets, Intake Manifold Tubes, and Oil Drain-Back Tubes continued from previous page

Eligibility continued from previous page





Engine Model		Oil Drain-Back Tubes									Rocker Cover Gaskets								
		APS-11935 Fig. 1	APS-68759 Fig. 2	APS-68760 Fig. 3	APS-68761 Fig. 4	APS-71737 Fig. 5	APS-72702 Fig. 6	APS-72703 Fig. 7	APS-73027 Fig. 8	APS-74808 Fig. 9	APS-653193-S Fig. 10	APS-655528-S Fig. 11	APS-655704-S Fig. 12	APS-655705-S Fig. 13	APS-655706-S Fig. 14	APS-67193-S Fig. 15	APS-71450-S Fig. 16	APS-75906-S Fig. 17	APS-76036-S Fig. 18
Lycoming Engines																			
A-40, A-50, A-65, A-70 Series															•				
AEIO320	D1B,D2B,E1A,E1B,E2A,E2B		•	•	•														
AEIO360	A1A,A1B,A1B6						•	•	•							•			
	A1C						•	•	•										
	A1D,A1E,A1E6,A2B						•	•	•	•						•			
	A2A							•	•	•									
	A2C						•	•	•	•									
	A1D6,A2E,A3B6D									•									
	B1B,B1F,B1H,B1G6,B2F,B4A,H1A,H1B		•	•	•													•	
	B1D,B1F6, B2F6		•	•	•														
AEIO540	D4A5,D4B5,D4D5		•		•	•												•	
	D4C5		•		•	•													
	L1B5,L1B5D,L1D5						•	•	•							•			
AEIO580	B1A						•	•	•										
AIO320	A1A,A1B,A2A,A2B,B1B,C1B		•	•	•														
AIO360	A1A,A1B,B1B						•	•	•	•						•			
	A2A,A2B						•	•	•	•									
C75, C85 Series															•				
GO435	C2															•			
HIO360	A1A,C1A				•			•	•										
	A1B,C1B,D1A,E1AD,E1BD,F1AD							•	•										
	B1A		•	•	•														
	B1B				•														
HIO540	A1A						•	•	•							•			
HO360	C1A																	•	
	A1A,B1A		•	•															
IGO540	B1A,B1C																•		
IGSO540	A1A,A1C,A1D,A1E,A1H															•			
	B1A,B1C																•		
IHO360	B1A, G1A																•		
IO320	A1AA,2AB1A		•																
	A1AA2,AB1A			•	•														
	B1B,B1C,B1D,B1E,B2A,C1A,C1B,D1A,D1B,D1C,E1A,E1B,E2A,E2B,F1A		•	•	•														
IO360	A1A,A1B,A1B6,A1B6D,A1C,A1D,A1D6,A2A,A2B,A2C,A3B6,A3B6D,A3D6D, C1B,C1C,C1C6,C1D6,C1E6, C1E6D,C1G6,D1A,J1A6D,K2A						•	•	•	•						•			
	A1C6							•		•									
	A1D6D,C1F						•	•	•	•									
	B1B,B1BD,B1D,B1E,B1F,B1G6,B2E,B2F,B2F6,B4A,L2A,M1B,MIA		•	•	•													•	
	B1A,B1C,B1F6,E1A		•	•	•														
	C1A							•	•	•						•			
	F1A		•	•	•											•			•
	J1AD							•	•	•									
IO390	A1A6,A3A6,A1B6,A3B6									•									
IO540	A1A5,B1B5,G1B5,G1C5,G1D5,G1E5,G1F5,K1C5,L1B5D,P1A5						•	•	•										
	AA1A5,AA1B5,AE1A5,K1A5,K1A5D,K1B5,K1D5,K1E5,K1F5,K1F5D,K1G5, K1G5D,K1J5,K1J5D,K1K5						•	•	•							•			
	AB1A5,C4B5,C4B5D,C4D5D,D4A5,N1A5,T4B5D,V4A5D,W1A5D		•		•	•												•	
	B1A5,B1C5,EIA5,E1B5						•	•	•								•		
	C1B5,C4C5,C4D5,R1A5,S1A5,T4A5D,T4B5,T4C5D		•		•	•													
	D4B5,D4C5,E4C5D,N1A5D,V4A5,W1A5,W1A5D,W3A5D																	•	
	G1A5		•		•	•	•	•	•										
	J4A5		•		•	•										•			•

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Gaskets, Intake Manifold Tubes, and Oil Drain-Back Tubes continued from previous page

Eligibility continued from previous page





Engine Model		Oil Drain-Back Tubes									Rocker Cover Gaskets								
		APS-11935 Fig. 1	APS-68759 Fig. 2	APS-68760 Fig. 3	APS-68761 Fig. 4	APS-71737 Fig. 5	APS-72702 Fig. 6	APS-72703 Fig. 7	APS-73027 Fig. 8	APS-74808 Fig. 9	APS-653193-S Fig. 10	APS-655528-S Fig. 11	APS-655704-S Fig. 12	APS-655705-S Fig. 13	APS-655706-S Fig. 14	APS-67193-S Fig. 15	APS-71450-S Fig. 16	APS-75906-S Fig. 17	APS-76036-S Fig. 18
Lycoming Engines continued from previous page																			
IO540	K1H5															•			
	K2A5,M1A5							•	•										
	L1A5D						•									•			
	L1C5		•		•	•										•			
	M1A5D						•										•		
	M1B5D		•		•	•											•		
	UIA5D,U1B5D																•		
IO580	A1A,B1A						•	•	•										
IO720	A1A,A1B,D1B,D1C,D1CD															•			
	B1B,B1BD,C1B																•		
IVO540	A1A															•			
LIHO360	C1A,C1B,F1AD							•	•										
LIO320	B1A,C1A		•	•	•														
LIO360	C1E									•									
	C1E6						•	•	•	•						•			
	C1E6D									•						•			
	M1A		•	•	•														
LO360	A1G6D A1H6		•	•	•													•	
	E1AD,E1BD		•	•	•														
LTIO540	F2BD,J2B,J2BD	•	•		•	•											•		
	K1AD	•	•		•	•													
	N2BD,R2AD	•					•	•	•								•		
	U2A	•					•	•	•							•			
	V2AD	•														•			•
	W2A	•																	
O235, O290 Series																		•	
O320	A1A,A1B,A2A,A2B,A2C,A2D,A3A,A3B,A3C,B1A,B1B,B2A,B2B,B2C, B2D,B2E,B3A,B3B,B3C,C1A,C1B,C2A,C2B, C2C,C3A,C3B,C3C,D1A,D1B, D1C,D1D,D1F,D2A,D2B,D2C,D2F,D2G,D2H,D2J,D3G,E1A,E1B,E1C,E1F, E1J,E2A, E2B,E2C,E2D,E2F,E2G,E2H,E3D,E3H,H1AD,H1BD,H2BD,H3AD,H3BD		•	•	•														
O320 Series																		•	
O340	A1A,A2A,B1A		•	•	•														
O340 Series																		•	
O360	A1A,A1AD,A1C,A1D,A1F6,A1F6D,A1G,A1G6,A1G6D,A1H,A1H6,A1J,A1LD, A1P,A2A,A2D,A2E,A2F,A2G,A3A,A3AD, A4A,A4AD,A4D,A4G,A4J, A4JD,A4K,A4M,A4N,A4P,A5AD,B2A,C1A,C1C,C1E,C1F,C1G,C2A,C2C, C2D,C2E,C4F,C4P, D2A, D2B, F1A6,G1A6		•	•	•													•	
	A2H,A3D,B1A,B1B,B2B,B2C,E1AD,E1BD,E2AD,E2BD,J2A		•	•	•														
O540	A1A,A1A5,A1B5,A1C5,A1D,A1D5,A2B,A3D5,B4B5,W1A5,W1A5D,W3A5D		•		•	•													
	A4D5,E4B5D,G1A5D,J1C5D,J2A,J2A5D																	•	
	B1A5,B1B5,B2B5,B2C5,E4A5,E4B5,E4C5,F1B5,G1A5,G2A5,H1B5D,H2B5D, J1A5D,J3A5,J3A5D,J3C5D,L3C5D		•		•	•												•	
	B2A5		•															•	
TIGO541	E1A															•			
TIO360	A1A,A1B,A3B6						•	•	•	•									
TIO540	A1A,A1B,A2A,A2B	•			•		•		•								•		
	A1C,A2A	•			•		•		•										
	A2C	•					•	•	•								•		
	AE2A	•					•	•	•							•			
	AH1A	•	•		•											•			
	C1A,E1A,H1A	•	•		•													•	
	AJ1A,AK1A,G1A,T2AD,W2A	•	•		•														
	AA1AD,AB1AD,AF1A,AG1A,K1AD	•	•		•													•	
	AB1BD,AF1B	•																•	

Eligibility continued on next page

Gaskets, Intake Manifold Tubes, and Oil Drain-Back Tubes continued from previous page

Eligibility continued from previous page





Engine Model		Oil Drain-Back Tubes									Rocker Cover Gaskets								
		APS-11935 Fig. 1	APS-68759 Fig. 2	APS-68760 Fig. 3	APS-68761 Fig. 4	APS-71737 Fig. 5	APS-72702 Fig. 6	APS-72703 Fig. 7	APS-73027 Fig. 8	APS-74808 Fig. 9	APS-653193-S Fig. 10	APS-655528-S Fig. 11	APS-655704-S Fig. 12	APS-655705-S Fig. 13	APS-655706-S Fig. 14	APS-67193-S Fig. 15	APS-71450-S Fig. 16	APS-75906-S Fig. 17	APS-76036-S Fig. 18
Lycoming Engines continued from previous page																			
TIO540	F2BD,J2BD,J2BD,N2BD,R2AD,S1AD	•	•		•												•		
	U2A	•					•	•	•										
	V2AD	•														•			•
TIO541	E1A4,E1B4,E1C4,EAD4															•			•
TIVO540	A2A															•			
TO360	C1A6D															•			•
TVO435	A1A,B1A,B1B,D1A,D1B,F1A,G1A,G1B															•			
TVO540	A1A															•			
VO435	A1A,A1C,A1D,A1E,A1F,B1A															•			
VO540	A1A,B1A,B1B,B1B3,B1C,B1D,B1F,B2D,C1A,C1B,C1C3,C2A,C2C															•			

Oil Access Door for Cessna Aircraft

FAA-PMA approved P/N WAC752000

- Improved to better match the contour of the cowl
- More affordable than other replacement doors
- Replaces Cessna P/N 0752000-56

Now manufactured by McFarlane!



Model	Serial Number
180-180G	30000 thru 18051445
182-182G	33000 thru 18255844
185-185C	185-0001 thru 185-0776
210-210E	57001 thru 21058715

Adel Clamps (MS21919 W Series)

Loop type, cushioned support clamps, commonly referred to as "Adel Clamps" feature a wedge that is bonded to the cushion to prevent the escape of small wires when used for general purpose wire bundle clamping. Meets the requirements of Mil Spec MS21919.

Standard MS21919WDGXX Clamps

- Aluminum band with a chlorophrene cushion (black with blue stripe)
- For use in areas contaminated with petroleum based hydraulic fluids and occasional fuel splash
- Ozone resistant
- Rated to 212° F
- Not resistant to phosphate ester based fluids
- Supersedes MS21919-DG series without the wedge

High Temperature MS21919WCJXX Clamps

Won't get hard and brittle with engine temperatures!

- Corrosion resistant steel band with a blue fluorosilicone cushion
- Perfect for use in engine or other areas with elevated temperature and/or where petroleum based fluid contamination is present
- Ozone resistant
- Rated to 450° F
- Not resistant to phosphate ester based fluids

Tube/ Bundle O.D. (in)	Aluminum Band Chlorophrene Cushion: MS21919WDG Series	Corrosion Resistant Steel Band, Fluorosilicone Cushion: MS21919WCJ Series
1/8	MS21919WDG2	MS21919WCJ2
3/16	MS21919WDG3	MS21919WCJ3
1/4	MS21919WDG4	MS21919WCJ4
5/16	MS21919WDG5	MS21919WCJ5
3/8	MS21919WDG6	MS21919WCJ6
7/16	MS21919WDG7	MS21919WCJ7
1/2	MS21919WDG8	MS21919WCJ8
9/16	MS21919WDG9	MS21919WCJ9
5/8	MS21919WDG10	MS21919WCJ10
11/16	MS21919WDG11	MS21919WCJ11
3/4	MS21919WDG12	MS21919WCJ12
13/16	MS21919WDG13	MS21919WCJ13
7/8	MS21919WDG14	MS21919WCJ14
15/16	MS21919WDG15	MS21919WCJ15
1	MS21919WDG16	MS21919WCJ16


P/N MS21919WCJ2


P/N MS21919WCJ3


P/N MS21919WCJ4


P/N MS21919WCJ5


P/N MS21919WCJ7


P/N MS21919WCJ15

A little more expensive but will last a long time in firewall forward applications!


P/N MS21919WDG9


P/N MS21919WDG13


P/N MS21919WDG3


P/N MS21919WDG4

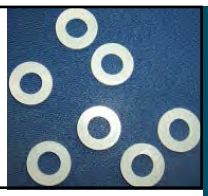
Nylon Washers

Industry standard washers

- Protects the aluminum surfaces under cowl, spinners and fairing screws!
- These will not deform like soft washers

Sold in convenient 100 packs!

P/Ns:
NAS1515H04L, NAS1515H06L, NAS1515H08L, NAS1515H3, NAS1515H4



Cowl Attach Plates and Bushings for Piper Aircraft

Bushing P/N MC69790-00 with Retaining Ring P/N MC484-840
Plate P/N MC69791-000 (Includes Bushing and Retaining Ring)
New bushing material. Stronger and more tough!

- High temperature stainless steel plates and retaining ring
- Bushing is made from high temperature/high strength thermoplastic that lasts longer than original Nylon and Teflon bushing materials!
- Each component sold separately



Plate with Bushing and Retaining Ring



Retaining Ring



Bushing



Save up to 50%

Model Series	Serial Numbers
PA-28-150	28-1761 and on
PA-28-160	28-1761 and on
PA-28-180	28-1761 and on
PA-28-181	28-7690001 and on
PA-28-235	28-10003 and on
PA-28R-180	28-30005 and on
PA-28R-200	28-35001 and on
PA-28R-201	All
PA-28RT-201	All
PA-32-260	All
PA-32-300	All
PA-32R-300	All
PA-32RT-300	All

Cowl Flap Hinges for Cessna Aircraft

Replace worn-out cowl flap hinges at half the cost!
FAA-PMA direct replacement
Quantity of (2) required per aircraft

- Assembly includes hinge and hinge pin
- No looseness in the hinge to start vibration wear
- Selective fit pins

Save $$$ up to 50%



McFarlane Assembly P/N	Replaces Cessna Part Number		
	Assembly	Hinge Halves	Hinge Pin
MC0552144-14	0552144-14	0552144-15, 0552144-16	0552144-17
MC0752014-15	0752014-15	0752014-15	0752609-27
MC0752000-116	0752000-116	0752000-114	0752000-158
MC0752625-200	0752625-200	0752625-200	0752609-27
MC1213261-200	1213261-200	1213506-5, 1213506-6	1213472-1
MC1213469-205	1213469-205	1213506-3, 1213506-4	1213472-1
MC1752091-13	1752091-13	1752091-14, 1752091-15	1213472-3

Aircraft	Part Number
FR172J,K[1][2]	MC0552144-14
R172K	MC0552144-14
177B	MC1752091-13
180, 180A,B	MC0752000-116
180C,D,E,F,G,H,J,K	MC0752014-15
182B,C,D	MC0752014-15
182E,F,G,H,J,K,L,M,N,P[1][3]	MC0752625-200
182P[1],Q,R[1][4]	MC0752625-200
T182[1][5]	MC0752625-200
185, 185A,B,C,D,E, A185E,F	MC0752014-15
210-5 (205), 210-5A (205A)	MC1213469-205
206, U206, U206A,B,C,D	MC1213469-205
U206E,F,G	MC1213261-200
P206, P206A,B,C,D	MC1213469-205
P206E	MC1213261-200
TP206A,B,C,D, TU206A,B,C,D	MC1213469-205
TU206E,F,G	MC1213261-200
210B,C,D,E,F,G,H	MC1213469-205
210J,K,L,M,N,R, P210R	MC1213261-200
T210F,G,H	MC1213469-205
T210J,K,L,M,N	MC1213261-200

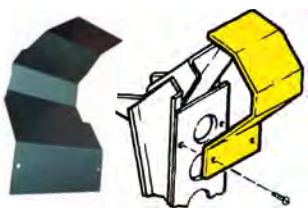
Quantity of (2) required per aircraft
[1] Partial model eligibility
[2] S/N FR17200441 thru FR17200675
[3] S/N 18253599 thru 18261425
[4] S/N 18262466 thru 18268160
[5] S/N 18267716 thru 18268160

Engine Mount Heat Shield

Better heat protection!
(1) P/N AF1250918-2
(4) P/N KIT AF1250918-2

Cerakote polymer-ceramic side coating inhibits heat transfer to the flexible isolators

- Extends engine mount life
- Direct replacement for Cessna P/N 1250918-2



FAA-PMA Approved Models
U206A,B,C,D,E,F, P206A,B,C, D,E, TU206A,B,C,D,E,F TP206A,B,C,D,E
207, 207A, T207, T207A
210G,H,K,L,M,N,R,T210G,H, J,K,L,M,N,R, P210N

Motor Mount Bolt Lock Washer for Cessna Aircraft

P/N MC0851559-1

- Up to 4x the locking power!
- Stronger material allows FAA approval to eliminate the standard washer!
- Only the McFarlane washer is embossed for improved locking and no-slip during installation.
- Designed with six tabs instead of two giving extra locking power
- Easier to use
- Four lock washers required per engine.



Model	Serial Number
180F,G,H,J,K	18051184 thru 18053203
182E,F,G,H,J,K,L,M,N,P,Q,R	18253599 thru 18268615
A182J,K,L,M,N/F182P,Q	All
185, 185A,B,C,D,E/A185E,F	All
188, 188A,B/A188/A188A,B/T188C	All
210-5 (205), 210-5A (205A)	All
P206, P206A,B,C,D,E, TP206A,B,C,D,E	All
206, U206, U206A,B,C,D,E,F,G	All
TU206A,B,C,D,E,F,G	All
207, 207A, T207, T207A	All
210,210A,B,C,D,E,F,G,H,J,K,L,M,N,R	All
P210N,R, T210F,G,H,J,K,L,M,N,R	All
310, 310B,C,D,F,G,H,I,J,K,L,N,P,Q,R	All
T310P,Q,R,	All
320D,E,F	All
411, 411A, 414	All
414A	414A0001 thru 414A0680

Exhaust Valve Guide Cleaning Reamers for Continental and Lycoming Engines

Why McFarlane Special Reamers?

We now offer special valve guide reamers sized specifically for cleaning Continental and Lycoming exhaust valve guides. Standard valve guide reamers are designed to perfect the guide hole size when reaming new guides. The standard reamer pilot is sized to fit the small bore of a new unfinished guide to ensure a straight finished bore with stability. When this same type of reamer is used to clean the valve guides, the pilot is smaller than the finished hole. This causes the reamer to wander and misalign in the guide hole.

The McFarlane cleaning reamers have a pilot the same size as the valve stem. This properly sized pilot forces the reamer cutter to start straight and follow the correct valve stem path through the guide hole.

While using standard reamers to clean valve guides, you have probably noticed some valve guide metal in the reamer flutes afterwards. This metal is cut from the sides of the guide when hard carbon deposits displace the unguided reamer from the original guide hole, or the reamer was not started in alignment with the guide hole. Wavy or gouged guide holes cause premature carbon buildup, poor heat transfer, and early guide hole wear. Prevent damage to your valve guides by using McFarlane Cleaning Reamers!



Features and Benefits

- Discounted pricing for complete set
- Spiral flutes for a better guide finish
- Pilot sized specifically for cleaning
- Cutting pilot cleans guides without notching guide surfaces
- Constructed of precision ground, high speed tool steel
- See page 464 for additional product information



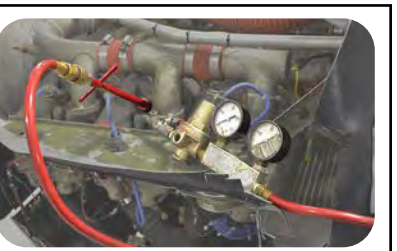
U.S. Patent No. 9,878,354

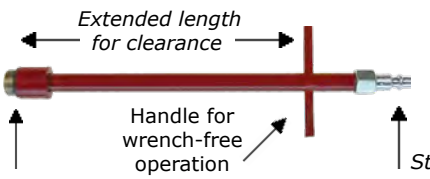
Compression Tester Extension

EXTENSION CT1 (18mm thread)
EXTENSION CT12 (12mm thread)
EXTENSION CT14 (14mm thread)

Save time and money!

- Wrench-free compression testing
- Quality welded construction, O-ring seal
- Allows for exhaust system and baffling clearance
- Makes compression testing easy





Manufactured by Baines Specialties, LLC.

V-Belts for Lycoming & Continental Engines

Replace your old worn belt today with a high-quality McFarlane V-belt!

- FAA-PMA approved for specific engine
- Each lot is tested for strength and stretch
- Constructed for increased abrasion resistance and tension load carrying
- Save $$$



Part Number	Lycoming Engines
MC37A19773-376	O-235-L2A, O-235-L2C
	O-320-E2D
	IO-360-L2A
MCS1597-1-37.5	O-360-A1A, O-360-A1AD, O-360-A1D, O-360-A1F6, O-360-A1F6D, O-360-A1G6, O-360-A1LD
	O-360-A2A, O-360-A2D, O-360-A2F, O-360-A2G
	O-360-A3A, O-360-A3AD
	O-360-A4A
	O-360-A5AD
Part Number	**Continental Engines**
MC539547-31.19	IO-470-C,D,E,F,G,H,J,K,L,N,P,R,S
	O-470-A,B,E,G,J,K,L,M,P,R,S
	IO-520-A,F

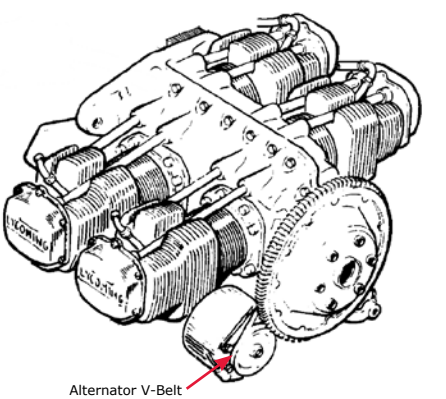
V-Belts for Cessna and Piper Aircraft

Replace your old cracked belt today!

- FAA-PMA Approved for specific aircraft at a lower price!
- Save with our realistic prices
- Constructed for increased abrasion resistance and tension load carrying
- Each lot tested for strength and stretch

Eligibility on the following pages





V-Belts for Cessna and Piper aircraft continued from previous page

Model	Serial Number	P/N	Notes
Cessna Aircraft			
152[1]	15279406 thru 15285940	MCS1597-1-37.5[3]	
A152[1]	A1520735 thru A1521028	MCS1597-1-37.5[3]	
F152[1]	F15201429 thru F15201952	MCS1597-1-37.5[3]	
FA152[1]	FA1520337 thru FA1520387	MCS1597-1-37.5[3]	
172I,J,K,L, M,N,P,Q	All	MCS1597-1-37.5[3]	
172RG[1]	172RG0001 thru 172RG1178	MCS1597-1-37.5[3]	
F172L,M,N,P	All	MCS1597-1-37.5[3]	
177, 177A,B, 177RG, F177RG	All	MCS1597-1-37.5[3]	
180F,G	All	MC539547-31.19[2]	
180H	All	MCS2416-1-31.0[3]	
180J,K[1]	18052385 thru 18052981	MCS2416-1-31.0[3]	Used with 60 Amp, 14 and 28 Volt Alternators
182G[1]	18255101 thru 18255125	MCS2416-1-31.0[3]	
182H,J,K,L,M, N,P,Q,R, F182P,Q	All	MCS2416-1-31.0[3]	18262466 thru 18267715 and F18200026 thru F18200094; with or without O-470-R, O-470-S Engines
FR182, R182, TR182[1]	FR18200001 thru FR1820070 R18200001 thru R18202032	MCS1597-1-37.5[3]	Used with O-540-J3C5D Engine
T182	All	MCS1597-1-37.5[3]	Used with 60 Amp Alternator on Lycoming O-540L3C5D Engine
		MCS1597-1-38.5[3]	Used with 95 Amp Alternator on Lycoming O-540L3C5D Engine
185, 185A,B,C	All	MC539547-31.19[2]	
185D,E, A185E,F	All	MCS2416-1-31.0[3]	18502311 thru 18503619 with 60 Amp 14V and 28V Alternators; 18503260 thru 18504448 with 60 Amp 28 Volt Alternator
188, A188,188A,B, A188A,B, T188C	All	MCS2416-1-31.0[3]	188-0001 thru 188-0572 with 60 Amp, 12, 14, and 28 Volt Alternators; 188-0573 thru 18802348 with 60 Amp, 14 and 28 Volt Alternators; 18802349 thru 18803973, T18803325T thru T18803974T used with 60 Amp, 14 and 28 Volt Alternators, and 95 Amp, 128 Volt Alternator
TU206F,G, U206F,G	All	MCS2416-1-31.0[3]	U20604469 thru U20605919 with 60 Amp, 24 Volt Alternator; U20605920 thru U20607020 with 60 Amp, 24 Volt Alternator and 95 Amp Alternator
207, 207A, T207, T207A	All	MCS2416-1-31.0[3]	
210E,F,G,H,J, T210F,G,H,J	All	MCS2416-1-31.0[3]	
210K,L,M,N,R, T210K,L,M,N,R	All	MCS2416-1-31.0[3]	21059200 thru 21064135 with 60 Amp, 12 and 24 Volt Alternators; 21064136 thru 21065009 with 60 Amp and 95 Amp Alternators
		MCN7365[3]	21064536 thru 21064950 with Fwd Alternator of Dual Alternator Installation; 21064898 thru 21065009 with Aft Alternator of Dual Alternator Installation
P210N	All	MCS2416-1-31.0[3]	
		MCN7365[3]	P21000761 thru P21000834 with Fwd Alternator of Dual Alternator Installation
P210R[1]	P21000835 thru P21000867	MCN7365[3]	For use with Fwd Alternator of Dual Alternator Installation

Notes:
[1] Partial model eligibility
[2] Location of use is Generator
[3] Location of use is Alternator

Model	Serial Number	Location	Alternator Assy	OD	Width	Part Number
Piper Aircraft						
PA-28-140	28-7125472 thru 28-7725290 and 28-250001	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
PA-28-151	All	Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-28-161	28-7716001 thru 28-7816000	Engine, Alternator Drive		33.00"	0.47"	MC73965-015
	28-7816001 thru 28-8616057 2816001 thru 2816119	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-28-180	28-7205092 thru 28-7505260 and 28-5663	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
PA-28-181	2843001 thru 2843999	A/C Compressor		40.55"	0.44"	MC73965-010
	2890001 thru 2890231 28-7690001 thru 28-8690062	Alternator	Kelly Aerospace AL Y6522	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Alternator	680-500 (ES4032), 02591-002 (Lycoming)	42.08"	0.41"	MC73965-020
		Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-28-236	2811001 thru 2811050	Alternator	Prestolite 99891-000	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010

Eligibility continued on next page

V-Belts for Cessna and Piper Aircraft continued from previous page

Eligibility continued from previous page

Continued from previous page

Model	Serial Number	Location	Alternator Assy	OD	Width	Part Number
Piper Aircraft						
PA-28-236	28-7911001 thru 28-8611008	Alternator	Prestolite 99891-000	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-28R-200	28R-7235001 thru 28R-7635545	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
PA-28R-201	2837001 thru 2837061 28R-7737002 thru 28R-7837317	Alternator	Prestolite 99891-000, Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
	2844001 thru 2844999	Alternator	Prestolite 99891-000, Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
PA-28R-201T	2803001 thru 2803012 28R-7703001 thru 28R-7803373	Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-28RT-201	28R-7918001 thru 28R-8218026	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-28RT-201T	2831001 thru 2831038	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
	28R-7931001 thru 28R-8631005	Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-32-300	32-7240056 thru 32-7940290, 32-40853	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
PA-32-301	3206001 thru 3206060 32-8006002 thru 32-8606023	Alternator	Prestolite ALY-6421	37.50"	0.38"	MC73965-003
		Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
PA-32-301T	32-8024001 thru 8424002	Alternator	60 A Prestolite or 90 A Ford	37.50"	0.38"	MC73965-003
		Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Alternator	87415-05 (Ford 90 amp, 690-019)	39.09"		MC73965-016
PA-32R-300	32R-7680001 thru 32R-7880068	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
PA-32R-301	3213001 thru 3213103 32R-8013001 thru 32R-8613006	Alternator	Prestolite ALY-6421	37.50"	0.38"	MC73965-003
		Alternator	Prestolite 99891-000	40.55"	0.28"	MC73965-009
	3246001 thru 3246087	A/C Compressor		40.55"	0.44"	MC73965-010
PA-32R-301T	3229001 thru 3229003 32R-8029001 thru 32R8629008	Alternator		37.50"	0.38"	MC73965-003
		Alternator	Prestolite 99891-000	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Alternator	87415-03 (Ford 90 amp)	39.09"	0.41"	MC73965-016
PA-32RT-300	32R-7885002 thru 32R-7985106	Alternator	Prestolite ALY-6421	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-32RT-300T	32R-7787001 thru 32R-7987126	Alternator	Prestolite ALY-6422	40.55"	0.28"	MC73965-009
		A/C Compressor		40.55"	0.44"	MC73965-010
		Engine, Alternator Drive	Chrysler	33.00"	0.47"	MC73965-015
PA-34-200	34-7250001 thru 34-7450220	Alternator	Prestolite ALY-6421	37.50"	0.38"	MC73965-003
PA-44-180	44-7995001 thru 44-8195026 and 4495001	Alternator	Prestolite ALY-6421, ALX 84 21 LS	37.50"	0.38"	MC73965-003
PA-44-180T	44-817001 thru 44-8207020	Alternator	Prestolite ALY-6421, ALX 84 21 LS	37.50"	0.38"	MC73965-003
PA-46-310P	4608001 thru 4608140 46-8408001 thru 46-8608067	Alternator	690-040 (Electrosystems ES4005-2)	35.00"	0.38"	MC73965-011
PA-46-350P (w/o G1000)	4622001 thru 4622200	Alternator	690-040 (Electrosystems ES4005-2)	35.00"	0.38"	MC73965-011
PA-46-500TP (w/ G1000)	4697002 thru 4697999	Alternator	602-300 (ES-4019-1)	22.08"	0.41"	MC73965-023
PA-46-500TP (w/o G1000)	4697001 thru 4697398	Alternator	602-300 (ES-4019-1)	22.08"	0.41"	MC73965-023

Engine Mount Bonding Strap

P/N AD0750137

- 4 per aircraft
- FAA-PMA



Save $$$

Manufactured by F Atlee Dodge

Aircraft Model
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P, 182Q,R, T182
185, 185A,B,C,D,E, A185E,F
188, 188A,B, A188, A188A
210-5 (205), 210-5A (205A)
210, 210A,B,C,D,E,F,G,H,J,K,L,M,N,R
P210N,R, T210F,G,H,J,K,L,M,N,R

Engine Mount Heat Shield

Stainless steel for longer service life

P/N AD1250918-2

- 4 per aircraft
- FAA-PMA

Save $$$

Aircraft Model
U206A,B,C,E,D,E,F,G, P206A,B,C,D,E
TU206A,B,C,D,E,F, TP206A,B,C,D,E
207,207A, T207, T207A
210K,L,M,N,R, P210N, T210G,H,J,K,L,M,N,R

Breather Tube

Replace worn breather tubes with cost effective replacements!

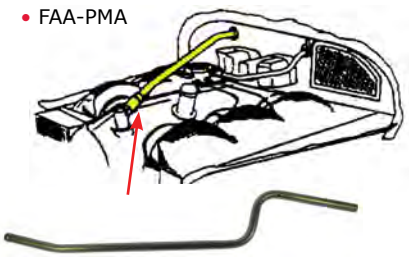
P/Ns AD1200106-108 (Fwd)

AD1200106-166 (Aft), AD0700147-9 (Aft)

- Direct replacement at less than half the cost
- FAA-PMA

Maintenance Tip: *Support breather tubes directly to the engine, not the cowl or airframe, to prolong breather tube life.*

Manufactured by F Atlee Dodge



(Fwd)
P/N AD1200106-108



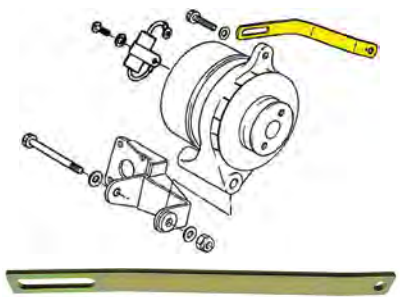
(Aft)
P/N AD1200106-166

Model	P/N
180F,G,H,J,K	AD1200106-108 (Fwd)
182D,E	AD1200106-108 (Fwd) AD0700147-9 (Aft)
182H,J,K,L,M,N,P,Q,R	AD1200106-108 (Fwd)
185, 185A,B,C	AD1200106-108 (Fwd)
A185E,F	AD1200106-108 (Fwd) AD0700147-9 (Aft)
188, 188A,B, A188, A188A,B	AD1200106-108 (Fwd)
U206, U206A,B,C,D,E,F,G	AD1200106-108 (Fwd)
TU206A,B,C,D,E,F,G	AD1200106-108 (Fwd)
P206, P206A,B,C,D,E	AD1200106-108 (Fwd)
TP206A,B,C,D,E	AD1200106-108 (Fwd)
207, 207A, T207, T207A	AD1200106-108 (Fwd) AD1200106-166 (Aft)
210D,E,F,G,H,J,K,L,M,N,R	AD1200106-108 (Fwd)
T210F,G,H,J,N	AD1200106-108 (Fwd)

Alternator Adjust Arm

P/N AD0750221-1

- Direct replacement
- 1/4 of the cost of OEM
- FAA-PMA



Model
180F,G,H,J,K
182Q,R, F182Q
185, 185A,B,C,D,E, A185E,F
206, U206, P206

Parts for the Legendary Pratt & Whitney PT6 Engines

- In stock, no long lead times!
- Save $$$ on commonly replaced parts



P/N	Description	Eligibility
CA3011155	Fuel Transfer Tube	PT6A-10, 11, 11AG, 15AG, 21, 25, 25A, 25C, 27, 28, 34, 34AG, 34B, 36, 38, 41, 41AG, 42, 45A, 45B, 45R, 50, 60A, 61, 64, 65B, 65R, 65AG, 65AR, 67, 67A, 67B, 67D, 67R, 67AF, 67AG, 110, 112, 114, 114A, 116, 135, 135A, PT6B-36, 36A, 36B, PT6T-3, 3B, 3BE, 6, 6B, ST6T-75
CA3020030	Fuel Transfer Tube	PT6T-3, 3B, 6, ST6T-75, 76
CA3029566	Fuel Nozzle Gasket	PT6A-11, 11AG, 15AG, 110, 112, 114, 114A, 116, 21, 27, 28, 34, 34AG, 34B, 36, 135, 135A, 25, 25A, 25C, PT6T-3, 3B, BE, 6, 6B, PT6B-36, 36A, 36B
CA3029678	Fuel Nozzle Gasket	PT6A-6, 6A, 6B, 20, 20A, 20B
CA3101469-01	Fuel Manifold Gasket	PW118, 118A, 118B, 120A, 121, 123, 123AF, 123B, 123C, 123D, 123E, 125B, 126, 126A, 127B, 127D
CA3103345-01	Retainer Plate	PT6A-10, 11, 11AG, 15AG, 21, 25, 25A, 25C, 27, 28, 34, 34AG, 34B, 36, 38, 41, 41AG, 42, 45A, 45B,45R, 45AG, 50, 60A, 60AG, 61, 65B, 65R, 110, 112, 114, 116, 135, 135A, PT6B-36, 36A, 36B, PT6T-3, 3B, 3BE, 6, 6B, ST6T-75
CA3103346-01	Diaphragm	PT6-A38, 41, 41AG, 42, 45A, 45B, 45R, 45AG, 50, 65B, 65R
CA3103347-01	Diaphragm	PT6A-10, 11, 11AG, 15AG, 21, 25, 25A, 25C, 27, 28, 34, 34AG, 34B, 36, 110, 112, 114, 114A, 116, 135, 135A, PT6B-36, 36A, 36B, PT6T-3, 3B, 3BE, 6, 6B, ST6T-75
CA3110998-01	Prop Shaft Shim	PT6A, 60A, 65B, 65R, 65AR, 65AG
CA3118962-01	Gasket	PT6A-6, 6A,6B, 20A, 20B, 21, 25, 25A, 25C ,27
CG3011587	Rod End Bearing	PT6A-15AG, 27, 28, 34, 34AG, 34B, 36, 45R, 60A, 61, 135
MS9371-16	Gasket	PT6



P/N CA3103347-01



PN CG3011587



P/N CA3020030



P/N CA3103345-01



P/N CA3110998-01



P/N CA3101469-01



P/N CA3118962-01



P/N CA3029566

Manufactured by PMA Products, Inc.

D A M™ Exhaust Lube

Aircraft Exhaust Anti-seize/Lubricant — The only anti-seize that works!

D A M™ Exhaust Lube is designed specifically for aircraft exhaust ball joints, clamps, slip joints, and hardware. A low viscosity liquid is blended with molybdenum-disulfide and other special micro-lubricants to produce a protective dry lubricant film. This film imbeds into the stainless steel and keeps your joints lubricated for years!

- Protects up to 2400° F
- **No** stainless corroding **graphite**
- Prevents heat corrosion and joint lockup
- Joints stay free to move with thermal expansion
- No greasy powdered metal paste that locks up anyway
- Low viscosity — a little goes a long way
- Loosens assembled joints

Do not use an anti-seize that contains graphite on your exhaust systems. Graphite corrodes and destroys the grain structure of stainless steel.

Handy Swab-top Can!



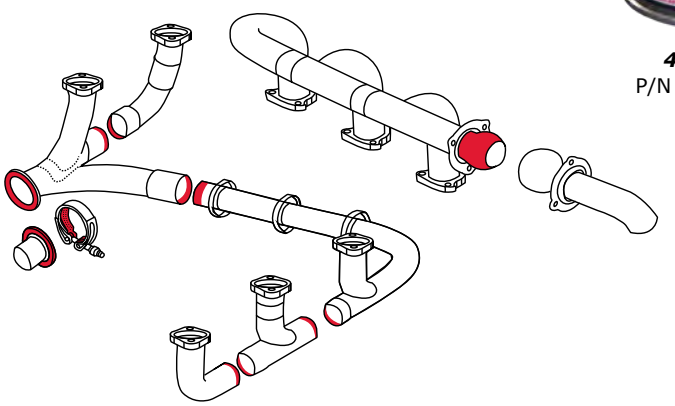
4 oz. can
P/N DAM20-4.0

Directions

Shake well.

Pre-assembly: Clean joint and apply a wet coat to both surfaces to be joined. The joint can be assembled wet or dry.

Assembled joints: Apply several times to joint edge. Allow time for capillary action to penetrate the joint. For better penetration of locked up joints, mix 50/50 with acetone, MEK, toluene, or similar solvents.



FOR BEST RESULTS, APPLY BEFORE ASSEMBLY
(Can also be applied to joint edges on older assemblies)





CASA 212 Exhaust Deflector

P/N AT-CASA-EXDF-1001

Keeps exhaust from impinging on the wing trailing edge and flaps

- Decreases the amount of corrosion in the flap
- Extends the life span of the flap
- Save $$$ on repairing corroded or damaged areas

Easier to keep the aircraft clean!

Manufactured by Aero Twin, Inc.



Caravan Exhaust Deflector

P/N ED8-100
P/N ED8-100-3 (with Camera Ops)

Keeps exhaust from impinging on the cargo pod.
For aircraft with infrared cameras installed, P/N ED8-100-3 extends the deflector to avoid the camera view.

- Greatly reduces temperatures on the forward pod
- Save $$$ on repairing heat-induced pod delamination



P/N ED8-100-3



P/N ED8-100

Eliminates exhaust stains

Manufactured by Aero Twin, Inc.



NEW! Stainless Steel Exhaust Nuts and Studs

FAA-PMA approved for Continental and Lycoming engines

Save $$$

No more rust!

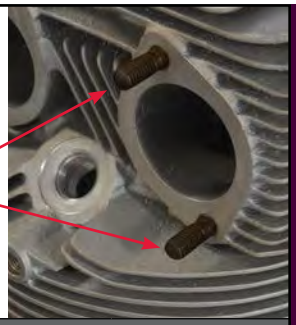
NEW

- Heat-treated, high-strength stainless alloy
- Less stress on the exhaust flanges and gaskets as the engine heats up and cools down
- Studs are nitrocarburized ***Black Max***™ coating to resist galling and corrosion
- ***Black Max***™ prevents galvanic corrosion between stainless and aluminum cylinder
- Stainless steel nuts are CAD plated — better on galvanized and stainless studs
- Saves labor and cost by lasting longer!

*These are the **good** ones!*







Nitrocarburized Black Max Exhaust Studs

Engine	Nominal P/N *Sold in 4 PK*	Oversized P/N [1] [2] *Sold in 2 PK*	L (In)	A Min (In)	Designation A	B Min (In)	Designation B
Continental	MC401885	MC401885P003 MC401885P007 MC401885P012	1.313	0.542	5/16-24 UNRF	0.663	5/16-18 UNR
Continental	MC401804	MC401804P003 MC401804P007 MC401804P012	1.059	0.530	1/4-28 UNRF	0.515	1/4-20 UNR
Continental	MC402044	MC402044P003 MC402044P007 MC402044P012	1.38	0.718	5/16-24 UNRF	0.582	5/16-18 UNR
Continental	MC401893	MC401893P003 MC401893P007 MC401893P012	1.246	0.667	1/4-28 UNRF	0.565	1/4-20 UNR
Continental	MC402151	MC402151P003 MC402151P007 MC402151P012	1.25	0.554	5/16-24 UNRF	0.524	5/16-18 UNR
Continental	MC657986-1.38	MC657986-1.38P003 MC657986-1.38P007 MC657986-1.38P012	1.383	0.713	5/16-24 UNRF	0.579	5/16-18 UNR
Continental	MC657985-1.38	MC657985-1.38P003 MC657985-1.38P007 MC657985-1.38P012	1.384	0.722	1/4-28 UNRF	0.531	1/4-20 UNR
Lycoming	MC25C-10	MC25C-10P03 MC25C-10P07 MC25C-10P12	1.249	0.479	1/4-20 UNRC	0.639	1/4-20 UNR
Lycoming	MC25C-11	MC25C-11P03 MC25C-11P07 MC25C-11P12	1.382	0.710	1/4-20 UNRC	0.598	1/4-20 UNR
Lycoming	MC25C-8	MC25C-8P03 MC25C-8P07 MC25C-8P12	1.000	0.331	1/4-20 UNRC	0.568	1/4-20 UNR
Lycoming	MC31-10	MC31-10P03 MC31-10P07 MC31-10P12	1.253	0.540	5/16-24 UNRF	0.654	5/16-18 UNR
Lycoming	MC31-12	MC31-12P03 MC31-12P07 MC31-12P12	1.498	0.567	5/16-24 UNRF	0.758	5/16-18 UNR
Lycoming	MC31C-10	MC31C-10P03 MC31C-10P07 MC31C-10P12	1.253	0.461	5/16-18 UNRC	0.629	5/16-18 UNR
Lycoming	MC31C-12	MC31C-12P03 MC31C-12P07 MC31C-12P12	1.497	0.514	5/16-18 UNRC	0.731	5/16-18 UNR
Lycoming	MC31C-13	MC31C-13P03 MC31C-13P07 MC31C-13P12	1.633	0.677	5/16-18 UNRC	0.765	5/16-18 UNR

Notes:

[1] Nominal studs with oversized offerings P03, P07, P12 denote the additional oversize in 0.01 inches.

[2] Nominal studs with oversized offerings P003, P007, P012 denote the additional oversize in 0.001 inches.

Engine eligibility on next page

Stainless Steel Exhaust Nuts

Engine	P/N Sold as Each	Type	Overall Height (H)	Flat to Flat (W)	Designation
Continental	MC22022	Standard	0.445 - 0.461	0.489 - 0.500	5/16-24 UNF
Lycoming	MCSTD-37	Standard	0.258 - 0.273	0.489 - 0.500	5/16-24 UNF
Lycoming	MCSTD-1410	Standard	0.258 - 0.273	0.489 - 0.500	5/16-18 UNC
Lycoming	MCSTD-1411	Standard	0.212 - 0.226	0.488 - 0.505	1/4-20 UNJC

NEW! Stainless Steel Exhaust Nuts and Studs Engine Eligibility

FAA-PMA approved for Continental engines

NEW

See previous page for dimensions
See next page for Lycoming engine eligibility

- Heat-treated, high-strength stainless alloy
- Less stress on the exhaust flanges and gaskets
- Studs are nitrocarburized with ***Black Max***™ coating
- Stainless steel nuts are CAD plated
- Saves labor and cost by lasting longer!

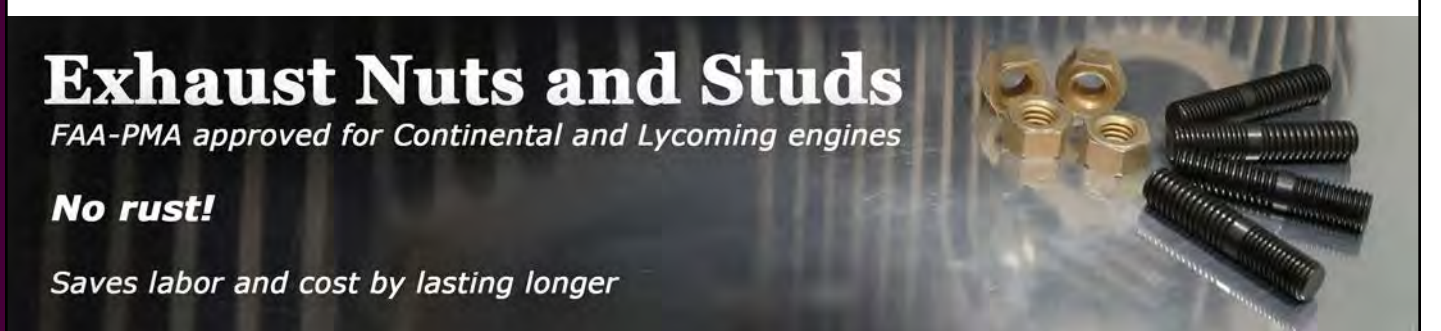
*These are the **good** ones!*

No more rust!



Continental Engine Model Eligibility		Part Number							
		Nut	Stud						
		MC22022	MC401804	MC401885	MC401893	MC402044	MC402151	MC657985-1.38	MC657986-1.38
A-50-1,2,3,4,4J,5,5J,6,6J,7,7J,8,8J,9,9J A-65, A-65-1,3,6,6J,7,8,8F,8FJ,8J,9,9F,9FJ,9J,12,12F,12FJ,12J,14,14F,14FJ,14J A-75, A-75-3,6,6J,8,8F,8FJ,8J,9,9J A-80-5J,8,8J,9,9J		•							
C-75, C75-2,8,8F,8FH,8FHJ,8FJ,8J,12,12B,12BF,12BFH,12F,12FH,12FHJ,12FJ,12J,15,15F C-85, C85-8,8F,8FHJ,8FJ,8J,12,12F,12FH,12FHJ,12FJ,12J,14F,15,15F C-90-12F,14F, 8F		•					•		
C-115-1,2		•							
C-125-1,2 C145-2,2H,2H,2HP		•					•		
E165-2,3,4 E-185, E-185-1,2,3,5,8,9,10,11 E-225, E225-2,4,8,9		•		•					
O-200	O-200-A,B,	•					•		
IO-240	IO-240-A,B	•							
IOF-240	IOF-240-B	•							•
O-300	O-300-A,B,C,D,E	•					•		
GO-300	GO-300-A,C,D,E	•					•		
IO-360	IO-360-A,C,D,G,H,J,K	•				•			
	IO-360-AB,CB,DB,ES,GB,HB,JB,KB	•							•
TSIO-360	TSIO-360-A,B,C,D,E,F	•				•			
	TSIO-360-AB,CB,DB,EB,FB,GB,H,HB,JB,KB,LB,MB,RB,SB	•							•
LTSIO-360	LTSIO-360-E	•				•			
	LTSIO-360-EB,KB,RB	•							•
O-470	O-470-A,E,J	•		•					
	O-470-B		•						
	O-470-G,K,L,M,P,R,S				•				
	O-470-G-CI,U							•	
IO-470	IO-470-C,D,E,F,G,H				•				
	IO-470-J,K,VO							•	
	IO-470-L,M,N,P,R,S,U,V				•				
IO-520	IO-520-A,B,BA,BB,C,CB,D,E,F,J,K,L,M,MB							•	
TSIO-520	TSIO-520-B,C,D,E,G,H,P,R				•				
	TSIO-520-AE,J,K	•							
	TSIO-520-AF,BE,CE,DB,EB,JB,KB,L,LB,M,N							•	
	TSIO-520-NB,T,UB,VB,WB							•	
LTSIO-520	LTSIO-520-AE							•	
GTSIO-520	GTSIO-520-C,D,H,L,M,N							•	
IO-550	IO-550-A,B,C,D,E,F,G,L,N,P,R							•	
IOF-550	IOF-550-N,P,R							•	
TSIO-550	TSIO-550-A,B,C,E,G,J,K,N							•	
TSIOF-550	TSIOF-550-D,J,K,P							•	
TSIOL-550	TSIOL-550-A,C							•	

Lycoming eligibility on next page



NEW! Stainless Steel Exhaust Nuts and Studs Engine Eligibility

FAA-PMA approved for Lycoming and Continental engines

See previous pages for additional eligibility and dimensions

- Heat-treated, high-strength stainless alloy
- Less stress on the exhaust flanges and gaskets
- Studs are nitrocarburized with ***Black Max***™ coating
- Stainless steel nuts are CAD plated
- Saves labor and cost by lasting longer!

No more rust!



NEW

Lycoming Engine Model Eligibility		Part Number: Nut MCSTD-1410	Nut MCSTD-1411	Nut MCSTD-37	Stud MC25C-10	Stud MC25C-11	Stud MC25C-8	Stud MC31-10	Stud MC31-12	Stud MC31C-10	Stud MC31C-12	Stud MC31C-13
O-235 O-290	O-235-C1,C1B,C1C,C2A,C2C,F2A,F2B,H2C,J2A,K2A,K2B,K2C, L2A,L2C,M1,N2A,N2C,P2A, O-290-D,D2,D2B,D2C	•									•	
O-320	O-320-A2A,A2B,A2C,A2D,A3A,A3B,A3C,B1A,B2A,B2B,B2C, B3A,B3B, B3C,C1A,D1A,D1D,D1F,D2A,D2B,D2C,D2G,D2J,D3G, E1A,E1C,E1F,E2A,E2B,E2C,E2D,E2F,E2G,E2H,E3D,E3H, H1AD	•									•	
	O-320-H2AD										•	
	O-320-H2BD,H3AD,H3BD	•									•	
IO-320	IO-320-B1A, B1C, C1A, D1A	•									•	
	IO-320-D1B, E1A										•	
	IO-320-E2A	•									•	
	IO-320-E2B										•	
AIO-320	AIO-320-B1B, C1B										•	
LIO-320	LIO-320-B1A,C1A	•									•	
O-340	O-340-A1A,A2A, B1A	•									•	
O-360	O-360-A1A,A1C,A1D,A1F6	•									•	
	O-360-A1AD,A1F6D	•										
	O-360-A1G										•	
	O-360-A1G6,A1G6D	•										
	O-360-A1H,A1H6										•	
	O-360-A1LD	•										
	O-360-A1P										•	
	O-360-A2A,A2D,A2E,A2F,A2G,A3A	•									•	
	O-360-A3AD	•										
	O-360-A4A	•									•	
	O-360-A4G,A4K,A4M	•										
	O-360-4N,A4P	•									•	
	O-360-A5AD	•										
	O-360-B2A,B2C,C1A,C1C,C1E,C1F,C1G,C2A	•									•	
	O-360-C2B	•										
	O-360-C2C,C2D,C2E,C4F,C4P,D2A,D2B,E1A6D	•									•	
	O-360-F1A6										•	
	O-360-J2A	•									•	
HO-360	HO-360-B1A,B1B,C1A	•									•	
IO-360	IO-360-A1A,A1B,A1B6,A1B6D,A1C,A1D,A1D6,A2A,A2B, A3B6D, B1A,B1B,B1D,B1E,B1F,B2F,B2F6,B4A	•									•	
	IO-360-A1B6,A3B6D			•				•				
	IO-360-C1A,C1B,C1C,C1C6,C1D6,C1E6,C1F										•	
	IO-360-C1F							•				
	IO-360-C1G6	•									•	
	IO-360-E1A,J1A6D										•	
	IO-360-L2A,M1A,M1B	•									•	
LO-360	LO-360-A1H6										•	
	LO-360-E1A6D	•									•	
	LO-360-A1G6D	•									•	
TO-360	TO-360-C1A6D											
	TO-360-E1A6D				•							
VO-360	VO-360-A1A,A1B,B1A				•							
AIO-360	AIO-360-A1A,A1B,B1B	•									•	
HIO-360	HIO-360-A1A	•									•	
	HIO-360-A1B	•										
	HIO-360-B1A	•									•	
	HIO-360-B1B	•										
	HIO-360-C1A,C1B,D1A	•									•	
	HIO-360-E1AD,E1BD,F1AD	•									•	•
	HIO-360-G1A	•										•

Eligibility continues on the next page

NEW! Stainless Steel Exhaust Nuts and Studs Engine Eligibility Continued

FAA-PMA approved for Lycoming and Continental engines

See previous pages for additional eligibility and dimensions

- Heat-treated, high-strength stainless alloy
- Less stress on the exhaust flanges and gaskets
- Studs are nitrocarburized with ***Black Max***™ coating
- Stainless steel nuts are CAD plated
- Saves labor and cost by lasting longer!

*These are the **good** ones!*

No more rust!

NEW



Lycoming Engine Model Eligibility Continued		Part Number: Nut: MCSTD-1410	Nut: MCSTD-1411	Nut: MCSTD-37	Stud: MC25C-10	Stud: MC25C-11	Stud: MC25C-8	Stud: MC31-10	Stud: MC31-12	Stud: MC31C-10	Stud: MC31C-12	Stud: MC31C-13
IVO-360	IVO-360-A1A										•	
LIO-360	LIO-360-C1E6										•	
	LIO-360-B1G6											
	LIO-360-M1A	•									•	
LTO-360	LTO-360-E1A6D										•	
TIO-360	TIO-360-A1B										•	
	TIO-360-C1A6D		•		•							
AEIO-360	AEIO-360-A1E,B1B,B1F,B1G6,B1H,H1A,H1B	•									•	
	AEIO-360-A1E6	•										
IO-390	IO-390-A1A6,A1B6,A3A6				•		•					
	IO-390-A3B6,B1A6,B1B6,C1A6,C1B6,C3A6,C3B6,D1A6, D1B6,D3A6,D3A6,D3B6											•
HIO-390	HIO-390-A1A					•	•					
VO-435 TVO-435	VO-435-A1B,A1C,A1D,A1E,A1F,A2A,B1A,B1B3,B1C,B1D,B2A, B2C,B2D,C1A,C1B,C2A TVO-435-A1A,B1A											•
GO-480	GO-480											•
	GO-480-B,B1A6,B1B,B1C,B1D,D1A,F1A6,F2A6,F4A6											•
	GO-480-F6											
GSO-480	GSO-480-A1A6,A2A6,B1A6,B1B6,B1C6,B1E6,B1J6,B2D6											•
IGSO-480	IGSO-480-A1A6,A1B6,A1C6,A1E6,A1F6											•
	IGSO-480-A1D6											•
O-540	O-540-A1A,A1A5,A1B5,A1C5,A1D,A1D5,A2B,A3D5,A4B5, A4D5,A4E5,B1A5,B1B5,B2B5,B2C5,B4B5,E4A5,E4B5,E4C5, F1B5,G1A5,G2A5,H1B5D,H2A5,H2B5D,J1A5D,J3A5,J3A5D, J3C5D				•		•					
	O-540-L3C5D				•		•		•			
IO-540	IO-540-A1A5,AB1A5				•		•					
	IO-540-AC1A5		•							•		
	IO-540-AE1A5,AF1A5				•		•					
	IO-540-AG1A5,B1A5,B1C5			•			•					
	IO-540-C1B5				•		•					
	IO-540-C4B5				•		•		•			
	IO-540-C4C5				•		•					
	IO-540-C4D5D				•							
	IO-540-D4A5,D4B5				•		•		•			
	IO-540-E1A5			•			•					
	IO-540-E1B5			•								
	IO-540-G1A5,G1B5,G1C5				•		•					
	IO-540-G1D5				•		•		•			
	IO-540-G1E5,G1F5,J4A5				•		•					
	IO-540-K1A5,K1A5D,K1B5				•		•		•			
	IO-540- K1C5				•		•					
	IO-540-K1D5,K1E5,K1F5,K1F5D,K1G5,K1G5D,K1J5,K1J5D				•		•		•			
	IO-540-K1K5				•			•				
	IO-540-L1C5				•		•					
	IO-540-M1A5			•			•					
	IO-540-N1A5,P1A5,R1A5,T4B5				•		•					
	IO-540-S1A5						•		•			
	IO-540-T4A5D,T4B5D				•		•		•			
	IO-540-T4C5D,V4A5,V4A5D,W1A5,W1A5D,W3A5D				•		•					
VO-540	VO-540-A1A											•
	VO-540-C2B											•
IGO-540	IGO-540-A1A,A1C											•
	IGO-540-B1A,B1C											•

Eligibility continues on the next page

NEW! Stainless Steel Exhaust Nuts and Studs Engine Eligibility Continued

FAA-PMA approved for Lycoming and Continental engines

See previous pages for additional eligibility and dimensions

- Heat-treated, high-strength stainless alloy
- Less stress on the exhaust flanges and gaskets
- Studs are nitrocarburized with ***Black Max***™ coating
- Stainless steel nuts are CAD plated
- Saves labor and cost by lasting longer!

No more rust!



Lycoming Engine Model Eligibility Continued		Part Number										
		Nut			Stud							
		MCSTD-1410	MCSTD-1411	MCSTD-37	MC25C-10	MC25C-11	MC25C-8	MC31-10	MC31-12	MC31C-10	MC31C-12	MC31C-13
TIO-540	TIO-540-A1A,A1B,A2A,A2B,A2C,F2BD,J2B,J2BD,N2BD,R2AD			•								
	TIO-540-AA1AD,AB1AD,AF1A,AF1B,AG1A,AK1A				•							
	TIO-540-AE2A,AH1A,U2A							•				
	TIO-540-C1A,E1A,G1A,H1A				•		•					
	TIO-540-AJ1A,W2A		•					•				
	TIO-540-V2AD	•						•				
AEIO-540	AEIO-540-D4A5,D4B5,L1B5,L1B5D				•		•					
IGSO-540	IGSO-540-A1A,A1C,A1D,A1E,A1H											•
	IGSO-540-B1A,B1C											•
LTIO-540	LTIO-540-F2BD,J2B,J2BD,N2BD,R2AD			•								
	LTIO-540-U2A							•				
	LTIO-540-V2AD			•								
TIO-541	TIO-541-A1A			•								
	TIO-541-E1A4,E1B4,E1C4	•						•				
TIGO-541	TIGO-541-E1A	•						•				
IO-580 AEIO-580	IO-580-B1A AEIO-580-B1A										•	
IO-720	IO-720-A1A,A1B				•		•					
IO-720	IO-720-B1B,B1BD,C1B			•			•					
IO-720	IO-720-D1B				•		•					
IO-720	IO-720-D1C						•					

Exhaust Mufflers, Tailpipes, Shrouds, Risers, Clamps and More

Now offering the largest inventory of exhaust system components

McFarlane now has a full product line of exhaust system components, including AWI and Acorn Welding. These leading exhaust manufacturers offer high-quality components for many major aircraft models including Aero Commander, American Champion, Beechcraft, Cessna, Cirrus, Grumman, Mooney, Piper, and Rockwell. Systems and parts for both Continental and Lycoming engines are available.

- FAA-PMA or Transport Canada Part Design Approval
- Largest inventory in the industry!
- One-stop shop for all your needs
- Save money with complete system kit
- Upgrade with Performance kits

AWI

Specializes in top quality exhaust systems, engine mounts, carb heat boxes, and more. Their replacement parts are made from stainless steel, aluminum, Inconel, titanium, and magnesium. Advanced aero-technology and precision machining ensure the perfect fit for your aircraft.

Acorn Welding

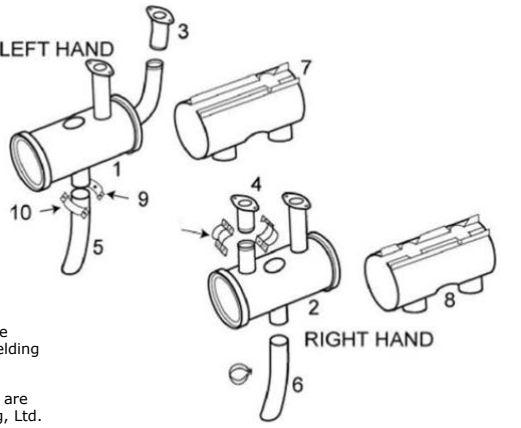
They design and manufacture turbine engine exhaust, piston aircraft exhaust systems, engine mounts, and support trusses. Other products include assemblies such as induction boxes, seat frame elements, and engine and flight control linkages. Their exhaust products are made from stainless steel or Inconel with design improvements that reduce thermal fatigue and provide longer life.



150,150A,B,C,D,E,F,G,H,J,K,L,M, A150K,L,M F150F,G,H,J,K,L,M,FA150K,L
S/N 17001 thru 15079405
A1500001 thru A1500734
F150-0001 thru F15001428
FA1500001 thru FA1500120

Description	Idx	Part Number
Clamp Half, w/Pin	9	A0450338-9 10
Clamp Half, w/o Pin	10	A0450338-10 9
Clamp Assembly, Riser	N/A	568-06 16
Clamp, Tailpipe Hanger	N/A	MS27405-16P 9
Gasket, Cylinder	N/A	627429
Muffler, LH	1	0450400-3AWL 11
		A0450400-3 3
Muffler, RH	2	0450400-26AWL 11
		A0450400-26 6 12
Riser, Curved, LH	3	0450338-76AWL 11
		A0450338-69 3 9 13
Riser, Straight, RH	4	0450338-74AWL 11
		A0450338-70 6 9
		A0450338-14 2
Shroud, LH	7	0450400-200AWL 11
		0450400-201AWL 7
		A0450400-200 5 14
		A0450400-201 8 15
Shroud, RH	8	0450400-6AWL 11
		A0450400-6 4 9
Tailpipe, LH	5	0450338-67AWL
		A0450338-67 1
Tailpipe, RH	6	0450338-66AWL
		A0450338-66 1

Notes:
1 Models 150,150A,B,C,D,E,F,G,H,J,K,L,M only
2 Models 150 S/N 17001 thru 17999, 59001 and on, 150A,B,C,D,E,F,G
3 Models 150E S/N 15061329 and on, 150F,G,H,J,K,L,M
4 Models 150E S/N 15061329 and on, 150F,G,H,J,K,L,M, A150K,L,M, F150F,G,H,J,K,L,M,FA150K,L
Continued on next column



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

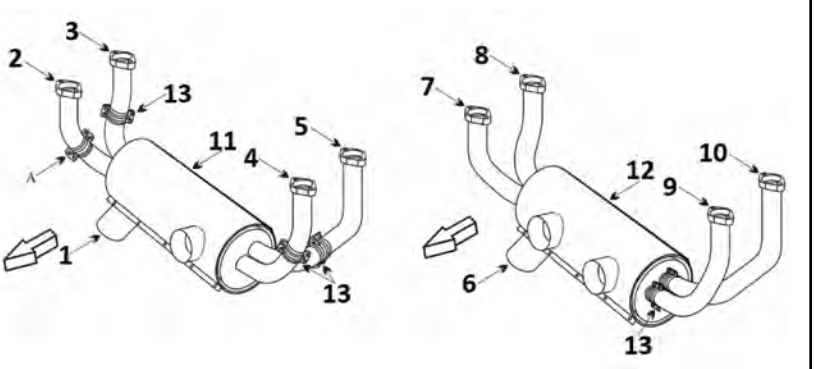
Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Notes continued:
5 Models 150E S/N 15061329 and on, 150F,F150F, F150G S/N F150-0068 thru F150-0087 only
6 Models 150H,J,K,L,M,A150K,L,M only
7 Models 150H,J,K,L,M,A150K,L,M,F150H,J,K,L,FA150K,L
8 Models 150H,J,K,L,M,A150K,L,M,F150K,L,M,FA150K,L
9 May be purchased as part of the Cessna 150 Conversion Kit, which includes 2 mufflers, 2 risers, 2 tailpipes, 2 shrouds, gaskets, riser clamps, tailpipe clamps, and attaching hardware
10 (1) Required for each tailpipe, (2 per system)
11 At initial replacement order muffler, riser, and shroud for S/N 17001 thru 15061328, and F150-0001 thru F150-0087
12 Uses 2.5" Riser P/N A0450400-26 and A0450338-70
13 2 Bolt Flange
14 (2) 2" Ports
15 (1) 2" Port, (1) 3" Port
16 Models 150H,J,K,L,M only

152, A152, F152, FA152
S/N 15279406 thru 15286033
A1520735 thru A1521049
F15201429 thru 15201980
FA1520337 thru FA1520425

Description	Idx	Part Number
Clamp	13	A0750161-25 1 8
Muffler Assembly	1	A0454009-5 3
		0454009-5AWL
Muffler Assembly, w/Stubs	6	A0454009-6 2
Riser Assembly, LH Aft	5	A0454002-10 3 6
		0454002-10AWL
	10	A0454023-1 2 7
Riser Assembly, RH Aft	3	A0454002-2 3 6
		0454002-2AWL
	8	A0454023-3 2 7
Riser Assembly, LH Fwd	4	A0454002-11 3 6
		0454002-11AWL
	9	A0454023-2 2 7
Riser Assembly, RH Fwd	2	A0454002-4 3 6
	2	0454002-4AWL
	7	A0454023-4 2 7
Shroud Assembly	12	0454010-9AWL 5
	11	0454010-1AWL 4

Notes:
1 Model 152 only
2 Models 152 S/N 15285092 and on, 152A S/N A1520976 and on
3 Models 152 S/N 15279406 thru 15285091, A152 S/N A1520735 thru A1520975, F152 S/N F15201429 thru F15201893, FA152 S/N FA1520337 thru FA1520377
4 Models 152 S/N 15279406 thru 15283591, A152 S/N A1520735 thru A1520878, F152 S/N F15201429 thru F15201673, FA152 S/N FA1520337 thru FA1520357
Continued on next column



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Notes continued:
5 Models 152 S/N 15283592 and on, A152 S/N 1520879 and on, F152 S/N 15201674 and on, FA152 S/N 1520378 and on
6 Use with A0454009-5 Muffler
7 Use with A0454009-6 Muffler
8 Must be a stock aircraft. No engine modifications or supplemental type certificates.

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#1 MANUFACTURER OF QUALITY FIBERGLASS REPLACEMENT PARTS





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When you're ready to replace your wing tips or fairings,

Knots 2U has the parts you will need!

FLY GREEN - FLY MT

mt-propeller

- ***2- to 7-blade hydraulic variable pitch propellers*** for engines producing up to 5000 hp
- ***2- to 4-blade electric variable pitch propellers*** for engines producing up to 350 hp
- ***Reverse propellers*** for piston engines and propeller turbines
- ***Fixed pitch propellers***
- ***Custom Propellers*** for wind tunnels, airships, hovercraft, high altitude and vintage aircraft
- ***28,000+*** MT-Propeller systems flying worldwide
- ***90,000+*** blades in service
- more than ***180 MIO*** flying hours accumulated

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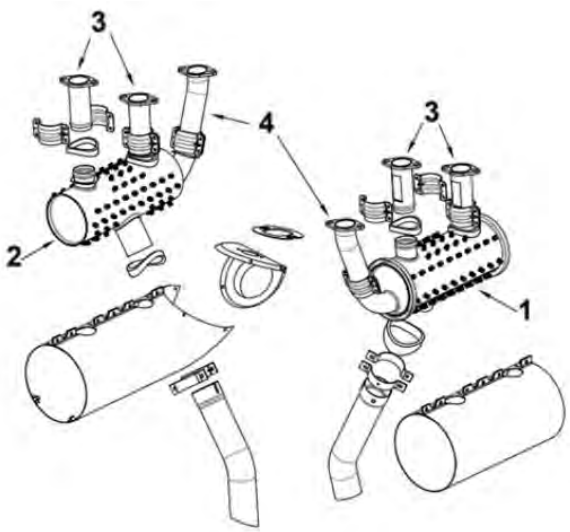
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McFarlane®

170,170A,B
S/N 18000 thru 27169

Description	Idx	Part Number
Muffler, Avcon	N/A	15006AWL 3
Muffler, LH	1	A0550157-9 1
Muffler, RH	2	A0550157-32 1
Riser, Curved	4	A0550157-8 2
Riser, Straight	3	A0450338-14

Notes:
1 Models 170,170A with Hanlon-Wilson exhaust manifolds installed. 170B S/N 25373 thru 20999 and 25000 thru 27169
2 Model 170B only
3 Applies to STC Avcon Industries Muffler

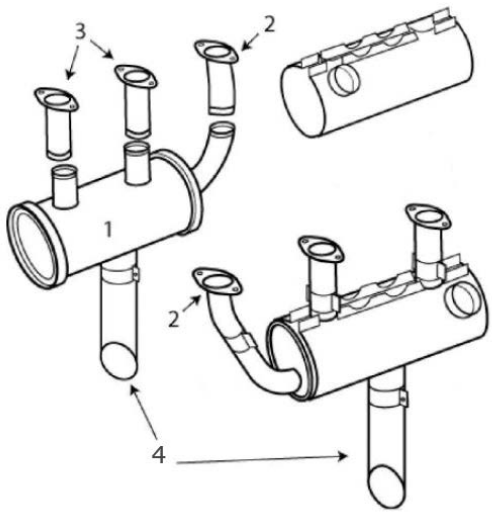


Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.



172,172A,B,C,D,E,F,G,H
S/N 28000 thru 47746
17247747 thru 17256512

Description	Idx	Part Number
Muffler Assembly, with O-300	1	A0550176-59 2
Muffler Assembly, Avcon	N/A	15006AWL 3
Riser, Curved	2	A0550176-57 2
Riser, Straight	3	A0450338-14
Tailpipe, 7.5"	4	A0550176-54 1
Tailpipe, Extended	4	A10172-013-2 1
Clamp Assembly, Riser	N/A	568-06 4

Notes:
1 172B,C,D,E,F,G,H
2 172B S/N 17248732 to 17248734,172C,D,E,F,G,H
3 Applies to STC Avcon Industries muffler
4 All 172B,C,D,E,F,G,H serial numbers, except 172H S/N 17256493



172I,K,L,M,N,P,Q,R,RG,S
S/N 17256513 thru 17276654
17280001 thru 17299999
172RG0001 thru 172RG1191
172S8001 thru 172S99999

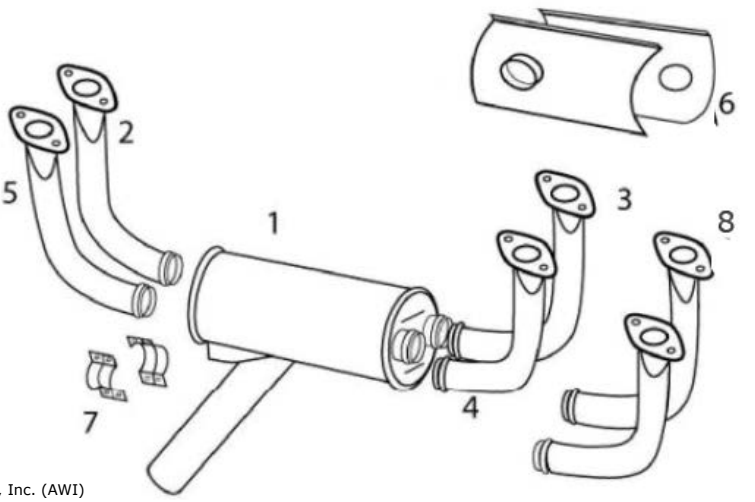
Description	Idx	Part Number
Clamp Half, w/Pin	7	A0750161-24 7 11 12 13
Clamp Half, w/o Pin	7	A0750161-22 7 11 12 13
Muffler Assembly	1	A9954100-9 6 8
		9954100-9AWL 6
		A1754001-23 4
		A1754001-9 1
Muffler Assembly, Avcon		15006AWL 3 9
Riser, LH Aft	3	1754008-1AWL 2
	8	A9954100-5 5 10
		9954100-5AWL 6
Riser, RH Aft	2	9954100-4AWL 6
Riser, LH Fwd	4	1754009-1AWL 2
	5	A9954100-6 5
		9954100-6AWL 6
Riser, RH Fwd	5	9954100-7AWL 6
Tailpipe	N/A	A2454000-15 7 11 12

Notes:
1 Models 172I,K only
2 Models 172I,K,L,M,N,P,Q only
3 Models 172I,K,L,M,N,P only
4 Models 172L,R,S only
5 Models 172Q S/N 17275869 through 17276054, 17276101 through 17276211,172R,S only
6 Models 172R,S only
7 Model 172RG only
8 Inconel Material
9 Applies to STC Avcon Industries muffler
10 Must be a stock aircraft. No engine modifications or engine Supplemental Type Certificates.
11 AD 83-14-04 requires modification of shroud & inspection of muffler and shroud rings
12 AD 85-20-01 one time compliance to inspect for holes to be drilled into muffler core
13 May be purchased as part of the A0750161-KIT which includes A0750161-22 Clamp w/Pin, A0750161-24 Clamp w/o Pin, and attaching hardware

Lycoming Engine
172I,K,L,M,N,P,Q,R,RG,S
S/N 17256513 thru 17276654
17280001 thru 17299999
172RG0001 thru 172RG1191
172S8001 thru 172S99999

Description	Idx	Part Number
Clamp Set, Riser	7	A0750161-25 7
Muffler, w/Baffles	1	A1754001-9 1
Muffler, w/o Baffles	1	A1754001-25 5 7
		1754001-25AWL 3
Riser, LH Aft	3	A1754008-1 2
		1754008-1AWL 2
Riser, RH Aft	2	A1754007-1 4 7
		9954100-4AWL 4
Riser, LH Fwd	4	A1754009-1 2
		1754009-1AWL 2
Riser, RH Fwd	5	A1754010-1 4 7
		9954100-7AWL 4
Shroud, Muffler	6	A9954100-3 6 7

Notes:
1 172I,K
2 172I,K,L,M,N,P
3 172I,K,L,M,N,P,Q
4 172I,K,L,M,N,P,R,S
5 172I,R,S
6 172M S/N 17261899 and on, 172R S/N 17280001 and on, 172S S/N 172S8001 and on
7 Must be installed on a stock aircraft. No engine modifications or supplemental type certificates.



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

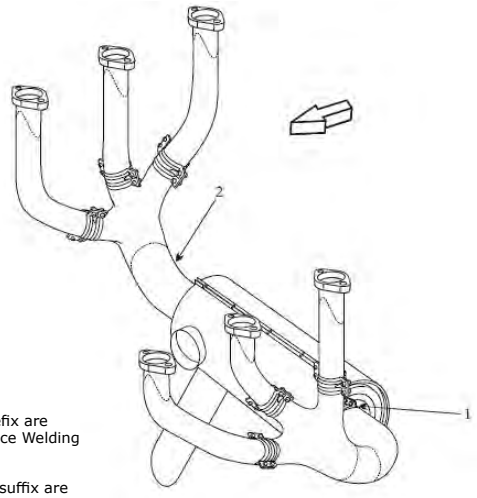
Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.



P172D,R172E,F,G,H,J,K,R172K
S/N P17257120 thru P17257189
R1720001 thru R1720620
R1722000 thru R1723454

Description	Idx	Part Number
Clamp Half, w/o Pin	1	A0750161-22 2 6 7 8
Clamp Set, 2 Halves	N/A	A1250860-29 3
Muffler Assembly	2	A1455009-3 3
		1455009-3AWL 3
Muffler Assembly, Float Plane	2	A1455009-3FP 3
Muffler Assembly, Avcon	N/A	15006AWL 1 5

Notes:
1 Models 172I,K,L,M,N,P,Q only
2 Models 172I,K,L,M,N,P only
3 Models 172L,R,S only
4 Models 172Q S/N 17275869 through 17276054, 17276101 through 17276211,172R,S only
5 Models 172R,S only
6 Model 172RG only
7 Inconel Material
8 Applies to STC Avcon Industries muffler



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

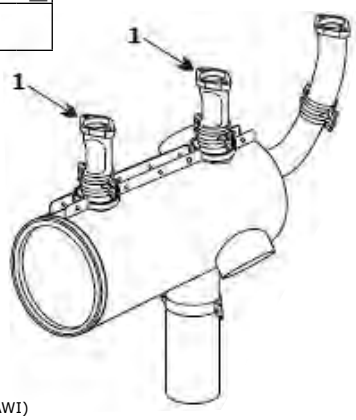
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175,175A,B,C
S/N 55001 thru 56777
17556778 thru 17557119

Description	Idx	Part Number
Riser, Straight	1	A0450338-14
Clamp Assembly, Riser	N/A	568-06 1

Notes:
1 Models 175B,C only

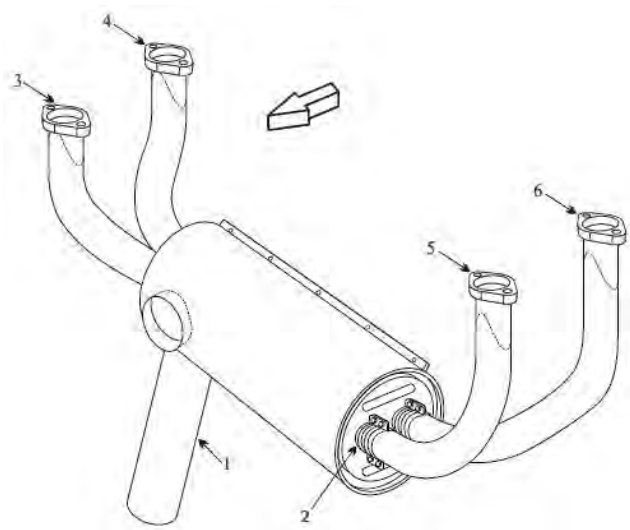


Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

177,177A,B
S/N 17700001 thru 17702752

Description	Idx	Part Number
Muffler	1	A1754001-25 1 3
		1754001-25AWL
Riser, Clamp Set	2	A0750161-25 1
Riser, LH Aft	6	A1754008-1 1
		1754008-1AWL 1
		A9954100-5 2 3
		9954100-5AWL 2
Riser, RH Aft	4	A1754007-1 3
		9954100-4AWL
Riser, LH Fwd	5	A1754009-1 1
		1754009-1AWL 1
		A9954100-6 2 3
		9954100-6AWL 2 3
Riser, RH Fwd	3	A1754010-1 3
		9954100-7AWL

Notes:
1 Models 172I,K,L,M,N,P,Q only
2 Models 172I,K,L,M,N,P only
3 Models 172L,R,S only
4 Models 172Q S/N 17275869 through 17276054, 17276101 through 17276211, 172R,S



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

180
S/N 3000 thru 32150

Description	Idx	Part Number
Collector Assembly	5	0750238-20AWL 3
	N/A	0750130-48AWL 2
Muffler	2	A0750290-3 1
	1	0750290-3AWL 1
	2	C-1851D-1 5
		C-1851D-3 6
Riser, Center	6	0750238-5AWL 4
Shroud, Muffler	3	4236
Tailpipe, LH		0750290-25AWL 1
Tailpipe, RH		0750290-26AWL 1

Notes:
1 Model 180 only
2 Models 180,180A,B,C,D,E,F,G,H,J only
3 This stack is 15" Tall and has a center slip riser PN 0750238-5AWL. Where the exhaust is installed VIA SA00780NY upgrade STC the entire kit must be initially replaced. On aircraft SN 18256685 thru 18257608 both exhaust stacks must be changed at initial replacement as there is a change to increase the distance between the muffler shroud and the intake duct (Refer to Cessna SL67-37). Also, this exhaust stack is designed for use on the O-470 Series engines only.
4 This exhaust stack center slip riser is designed to fit the exaust stacks: 0750238-20AWL / -210AWL/ -47AWL. It will also work with other Cessna 0750238-XX series exhaust stacks.
5 Muffler w/Cones
6 Muffler w/o Cones

180,180A,B,C,D,E,F, 182,182A,B,C,D
S/N 32151 thru 18051312
33000 thru 18253598

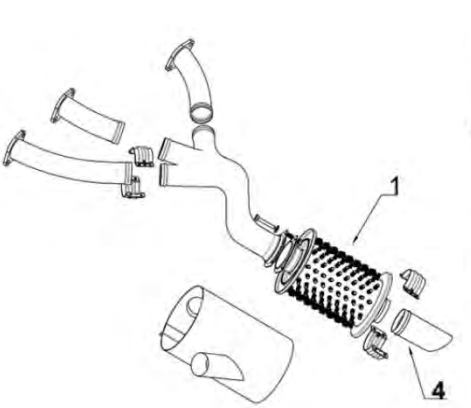
Description	Idx	Part Number
Collector Assembly	N/A	0750130-48AWL
	N/A	A0750130-6
Muffler	N/A	A0750130-12 3 6
	N/A	0750130-12AWL 3
	N/A	A0750130-44 4 7
	N/A	0750130-44AWL 4 7
	2	C-1851D-1 9
	2	C-1851D-3 10
Shroud, Muffler		4236
Muffler, 7.5" Tailpipe	N/A	A0750130-9 1 5
	N/A	0750130-9AWL 1 5
Riser, LH Aft/RH Fwd	N/A	0750130-5AWL 2
Riser, RH Aft/LH Fwd	N/A	0750130-3AWL 2
Riser, Center	3	0750238-5AWL 8
	N/A	0750130-4AWL 2

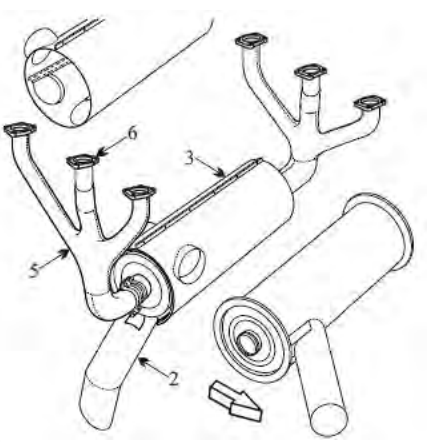
Notes:
1 Models 180 S/N 32151 and on, 180A S/N 32662 thru 50105,182, 182A S/N 33843 thru 34753
2 Models 180 S/N 32151 and on,180A S/N 32662 thru 32999, 50001 and on, 180B,C,D,E,F,182,182A S/N 33843 thru 34999, 51001 and on, 182B,C,D
3 Models 180A S/N 50106 and on, 182A S/N 51557 and on
4 Models 180B S/N 50356 and on, 180C,D,E,F,182, 182A,B,C,D
5 Shroud ring close to the tailpipe
6 Shroud ring opposite side away from tailpipe
7 4 fins and center ring
8 This exhaust stack center slip riser is designed to fit the 0750238-20AWL/-210AWL/-47AWL exhaust stacks. It will also work with other Cessna 0750238 series exhaust stacks.
9 Muffler w/Cones
10 Muffler w/o Cones

180G,H,J,K, 182E,F,G,H,J,K,L,M,N,P,Q,R
S/N 18051313 thru 18053203
18253599 thru 18268586

Description	Idx	Part Number
Collector Assembly	5	0750238-20AWL 9
	5	0750238-210AWL 3 11
	N/A	0750130-48AWL 1
	N/A	0750238-47AWL 8 10
	N/A	A0750130-6 4
Muffler	N/A	0750130-54AWL 5
	N/A	A0750130-60 6
	N/A	0750130-60AWL 6
	2	C-1851D-1 13
	2	C-1851D-3 14
Shroud, Muffler		4236
Muffler, Float Plane	1	A0750161-89FP 2
Riser, Center	3	0750238-5AWL 12
Shroud	6	A0750161-87 2
	6	0750161-87AWL 2 15
	6	0750161-40AWL 7 16

Notes:
1 Models 180G,H,J,182E,F
2 Models 180G,H,J,K,182N S/N 18260446 and on, 182P,Q,R only
3 Models 180G,H,182G,H,J, 182G,H,J,K,L,M,N,P,Q,R
4 Models 182E,F only
5 Model 182E only
6 Model 182F only
7 Models 182G,H,182J,K,L,M,N S/N 18260056 thru 18260445. 182J S/N 18255685 thru 18257608 also eligible if equipped with exhaust stack 0750238-20AWL
8 Models 182H,J,K only
9 This exhaust stack is 15" Tall and has a center slip riser PN 0750238-5AWL. Where the exhaust is installed via SA00780NY upgrade STC the entire kit must be initially replaced. On aircraft SN 18256685 thru 18257608 both exhaust stacks must be changed at initial replacement as there is a change to increase the distance between the muffler shroud and the intake duct (Refer to Cessna SL67-37). Also, this exhaust stack is designed for use on the O-470 Series engines only.
10 This exhaust stack is 15" tall with a center slip riser P/N 0750238-5AWL. Dimensionally, the same height as the 0750238-20AWL. This stack has reinforcement doublers at the engine attach flanges and is made from 25% thicker material.
11 This stack is 15.5" tall with a center slip riser P/N 0750238-5AWL. On aircraft S/N 18256685 thru 18257608, both exhaust stacks must be changed to 0750238-20AWL or 10182-049-1 shroud must be used or there will be contact between the muffler shroud and the intake duct (Refer to Cessna SL67-37). On aircraft 18051313-18051551 and 18255059-18256329 you will either need to procure 0750225-1/-2 clamps to mount 0750607-4/-5 carb heat shrouds or install SK182-78. Also, this exhaust stack is designed for use on the O-470 Series engines only.
12 Designed to fit the 0750238-20AWL/-210AWL/-47AWL exhaust stacks. It will also work with other Cessna 0750238 series exhaust stacks.
13 Muffler w/Cones
14 Muffler w/o Cones
15 Acceptable to mirror exhaust exit hole on DWG 005-259 on aircraft modified for skydive operations requiring reversed exhaust
16 Acceptable to mirror exhaust exit hole on DWG 005-260 on aircraft modified for skydive operations requiring reversed exhaust



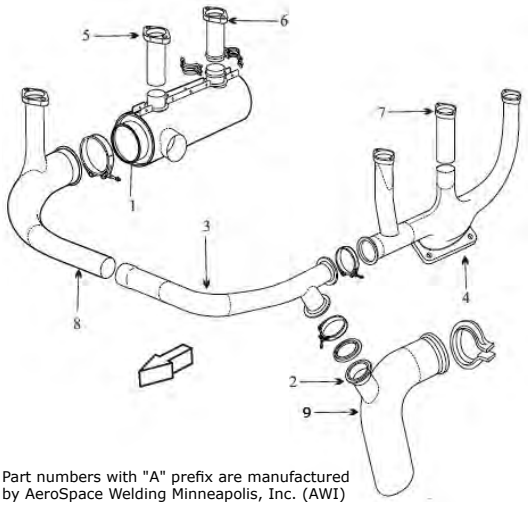


P/Ns with "A" prefix are manufactured by AeroSpace Welding (AWI)
P/Ns with "AWL" suffix are manufactured by Acorn Welding
P/Ns with "AD" prefix or (4) digits are manufactured by F Atlee Dodge

T182,TR182
S/N 18267716 thru 18268541
R18200001 thru R1820241

Description	Idx	Part Number
Crossover Assembly, LH	3	2254008-4AWL 1
Crossover Assembly, RH	8	2254013-1AWL
Heat Exchange	4	2254012-2AWL 1 2
Riser	2	2254015-1AWL
Riser Assembly	2	2254009-1AWL
Riser, LH Center	7	2254005-1AWL
Riser, RH Center	5	2254005-3AWL
Riser, RH Aft	6	2254005-5AWL
Tailpipe	9	2254010-1AWL
Tailpipe, Adapter	1	2254009-1AWL

Notes:
1 Model TR182 only
2 Service Letter SE80-9 Must be complied with or exhaust stack may fail. (Installation of SK182-62A)



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

FR182,R182
S/N FR18200001 thru FR18200070

Description	Idx	Part Number
Muffler	N/A	A1250250-5 3
	N/A	1250250-5AWL 1
	N/A	A1250251-13 3
Riser, Center	N/A	2254000-1AWL 4
Stack, LH	N/A	2254003-3AWL 4
Stack, RH	N/A	2254003-4AWL 4
Tailpipe, LH	N/A	A2254003-17 2
Tailpipe, RH	N/A	A2254003-18 2

Notes:
1 Model FR182 only
2 Models FR182,R182 only
3 Model R182 S/N R18200001 thru R18201798
4 Model R182 S/N R18200002 thru R18202041

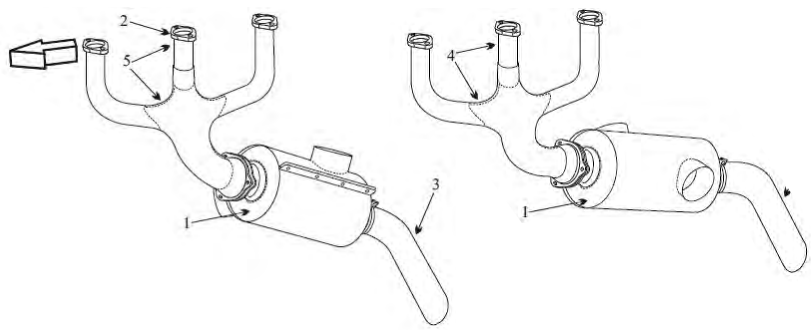
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

182S,T
S/N 18280001 thru 182999999

Description	Idx	Part Number
Muffler	1	A1254017-19 1
Riser, Center	2	0750238-5AWL 1 3
Stack, LH	5	9954200-5AWL 1
Stack, RH	4	9954200-6AWL 1
Tailpipe, LH	3	A9954200-11 2
		9954200-11AWL 2
Tailpipe, RH	6	A9954200-12 2

Notes:
1 182S,T only
2 182S S/N 18280287 thru 1828094, 182T
3 Designed to fit the exhaust stacks: 0750238-20AWL/-210AWL/-47AWL. It will also work with other Cessna 0750238 series exhaust stacks.



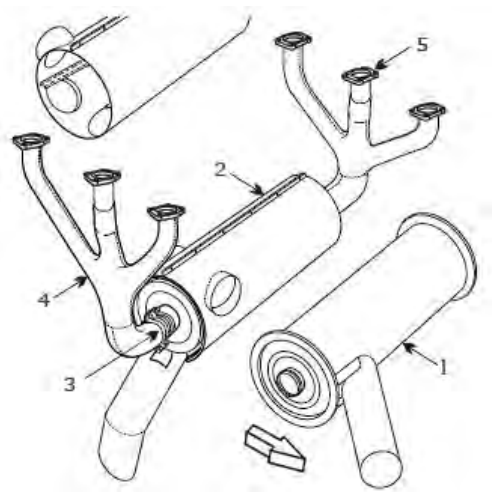
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

185,185A,B,C,D,E,A185E,F
S/N 185-0001 thru 185-1599
18501600 thru 18504448

Description	Idx	Part Number
Clamp, Tailpipe	3	A0750161-22 2 9 10 14
Clamp, Riser	N/A	A0750161-25 2 11
Collector Assembly	4	0750238-210AWL 3 12
		0750238-47AWL 7
Muffler	N/A	A0750161-28 1
Muffler, Float Plane	1	A0750161-89FP 5
Riser Assembly	5	0750238-5AWL 1 17
Shroud, Muffler		4236
Shroud, Muffler	2	A0750161-87 6 13
		0750161-87AWL 6 13
Collector, Slip Center, 15"	4	A0750238-20 4 12
Collector, Slip Center, 15.5", Float Plane	4	A0750238-47 8

Notes:
1 Models 185,185A,B,C,D,E, A185E,F only
2 Models 185,185A,B,C,D,E only
3 Models 185,185A,B,C,D,E, A185E only
4 Models A185F S/N 18502311 thru 18504394 only
5 Models A185E,F only
6 Model A185F S/N 1854418 and on only
7 AD 83-14-04: modification of shroud, & inspection of muffler & shroud rings
8 AD 85-20-01 one-time compliance to inspect for holes to drill into muffler core
9 Must be a stock aircraft. No engine modifications or STCs
10 New Stack does not have center riser clamps
11 Shroud ports are approximately 180° from each other
12 Designed for use on the O-470 Series engines only
13 Designed to fit the exhaust stacks: 0750238-20AWL/-210AWL/-47AWL. It will also work with other Cessna 0750238-XX series exhaust stacks
14 May be purchased as part of the A0750161-KIT (includes A0750161-22 Clamp w/ Pin, A0750161-24 Clamp w/o Pin, and attaching hardware)

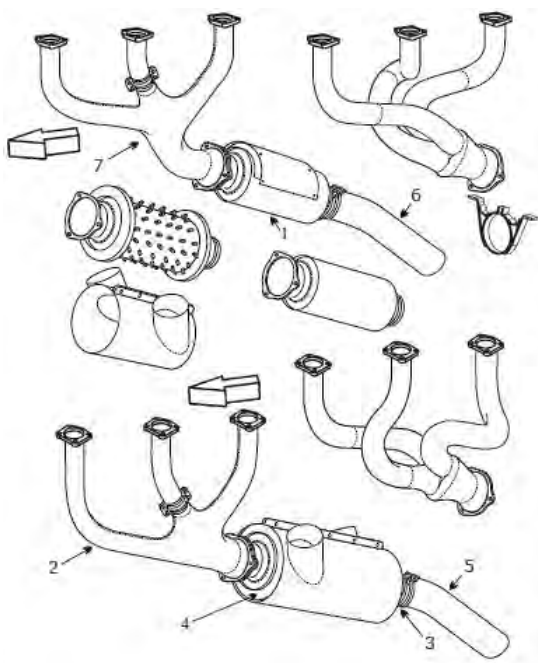


P/Ns with "A" prefix are manufactured by AeroSpace Welding (AWI)
P/Ns with "AWL" suffix are manufactured by Acorn Welding
P/Ns with "AD" prefix or (4) digits are manufactured by F Atlee Dodge

210-5 (205), 210-5A (205A)
S/N 205-001 thru 205-0577

Description	Idx	Part Number
Clamp, Tailpipe	3	1250259-1AWL
Collector Assembly, LH, High Performance	2	A1250263-2HP 2
Collector Assembly, RH, High Performance	7	A1250264-2HP 2
Muffler, LH	4	A1250250-5 1
Muffler, RH	1	1250251-13AWL
		A1250251-13 1
Muffler Shroud, LH		AD1250250-6
Shroud		AD236.362-17
Tailpipe Support Assy		AD1250258-1
Tailpipe, LH	5	1250256-7AWL
		AD1250256-7
Tailpipe, RH	6	1250257-7AWL
		AD1250264-6

Notes:
1 Model 210-5 (205) only
2 This is a modification part(STC SA02809CH)



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

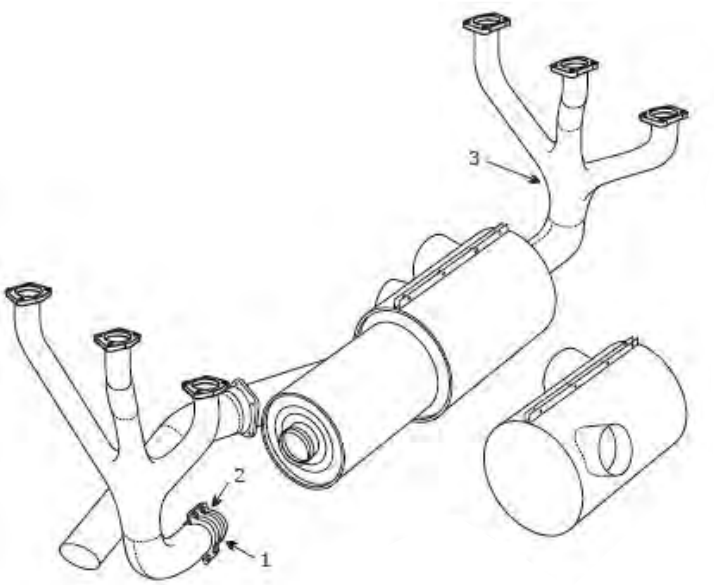
Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Part numbers with "AD" prefix are manufactured by F Atlee Dodge

188,188A,B
S/N 188-0001 thru 18802348

Description	Idx	Part Number
Clamp, Tailpipe, w/Pin	1	A0750161-24 ***Pending approval!*** 2 3
Clamp, Tailpipe, w/o Pin	2	A0750161-22 ***Pending approval!*** 2 3
Collector Assembly	3	0750238-210AWL 1 4 5

Notes:
1 Models 188,188A,188B S/N 18800833 thru 1880145 only
2 AD 83-14-04 requires shroud modification, & muffler & shroud rings inspection
3 AD 85-20-01 one-time compliance to inspect for holes to drill into muffler core
4 Must be a stock aircraft. No engine modifications or STCs
5 On aircraft S/N 18256685 thru 18257608 both exhaust stacks must be changed to 0750238-20AWL or 10182-049-1 shroud must be used, or there will be contact between the muffler shroud and intake duct (Refer to Cessna SL67-37). On aircraft 18051313 thru 18051551 and 18255059 thru 18256329 you will either need to procure 0750225-1/-2 clamps to mount 0750607-4/-5 carb heat shrouds or install SK182-78. Also, this exhaust stack is designed for use on the O-470 series engines only.



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

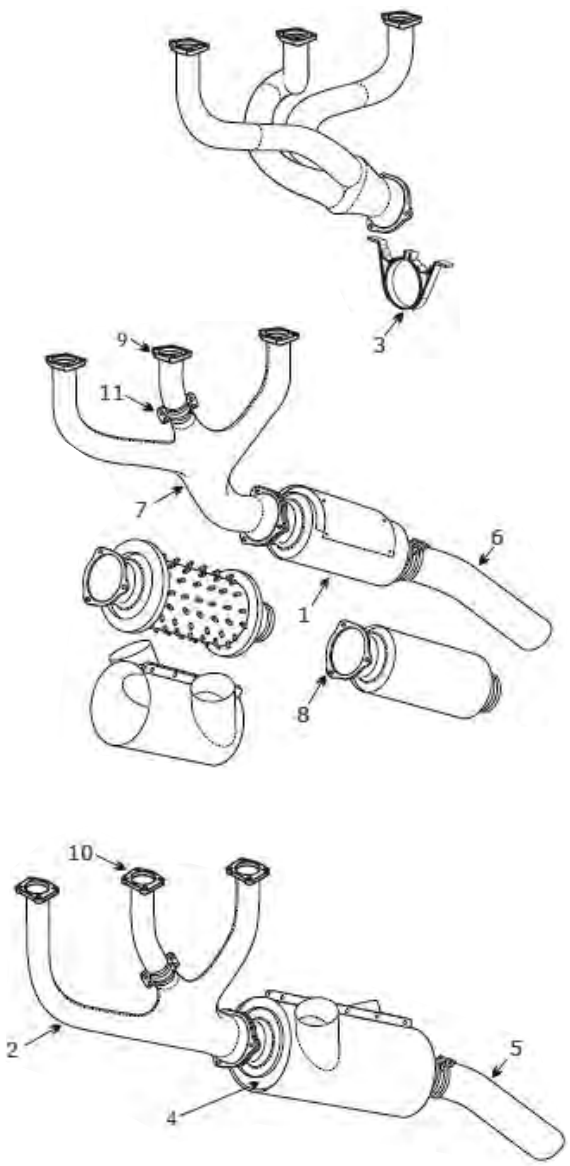
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206,P206,P206A,B,C,D,E, U206, U206A,B,C,D,E,F,G
S/N 206-0001 thru 206-0275
P206-0002 thru P20600647, T20608001 thru T206999999,
U206-0276 thru U20607020

Description	Idx	Part Number
Clamp Half, w/o Pin	11	A0750161-22 4 11 12 16
Clamp, Riser	11	A0750161-25 1 14
Clamp, Tailpipe	3	1250259-1AWL 5
Collector Assy, LH	2	A1250263-2M 9 13
		1250263-2AWL 2
Collector Assy, RH	7	A1250264-2M 9 13
		1250264-2AWL 2 15
Collector Assy, LH, High Performance	2	A1250263-2HP 2 13
Collector Assy, RH, High Performance	7	A1250264-2HP 2 13
Muffler, LH	4	A1250250-5 1
		1250250-5AWL 2
Muffler, RH	1	1250251-13AWL 6
		A1250251-13 8
Muffler, 650-92 Alternative	8	A1250251-16 10
		1250251-16AWL 7
Muffler Shroud, LH		AD1250250-6
Shroud		AD1250251-17 17
Riser Assembly, LH	10	1254011-1AWL 2
Riser Assembly, RH	9	1250251-9AWL 2
Tailpipe, LH	5	A1250256-7 3
		1250256-7AWL 3
		AD1250256-7
		AD1242013-L (sea)
Tailpipe, RH	6	AD1242013-2 (sea)
		AD1250264-6
		A1250264-6 3
		1250257-7AWL 3
Tailpipe Hanger Assy		AD1250255-7 19
Tailpipe Support Assy		AD1250258-1 20
Exhaust Deflector Assy		3238 18

Notes:
1 206, U206,U206A,B,C,D,E,F,G only
2 206, P206,P206A,B,C,D,E, U206, U206A,B,C,D,E,F,G only
3 206,P206,U206 only
4 206,U206F,G only
5 206,U206,U206A,B,C,D,E S/N U206-1445 thru U206-1669, P206,P206A,B,C,D,E
6 206,U206F,G only
7 U206 only
8 U206F S/N U20602200 thru U20603020
9 U206F,G only
10 U206F S/N U20603021 thru U20603521, U206G S/N U20603522 thru U20605919 only
11 AD 83-14-04 requires modification of shroud and inspection of muffler and shroud rings
12 AD 85-20-01 one-time compliance to inspect for holes to be drilled into muffler core
13 This part is modified (STC SA02809CH)
14 Must be stock aircraft. No engine mods or STCs
15 Always buy with Riser 1250251-9AWL
16 May be purchased as part of the A0750161-KIT (includes A0750161-22 clamp w/ pin, A0750161-24 Clamp w/o Pin, and attaching hardware)
17 Models U206, U206A,B,C,D,E,F only
18 Models 206, U206, P206, P206B-E, U206A-G only
19 Models U206E,F, only (2 per aircraft)
20 Models 206, U206A,B,C,D,E, P206A,B,C,D,E only (4 per aircraft)



Part Numbers with "A" prefix are manufactured by AeroSpace Welding (AWI)

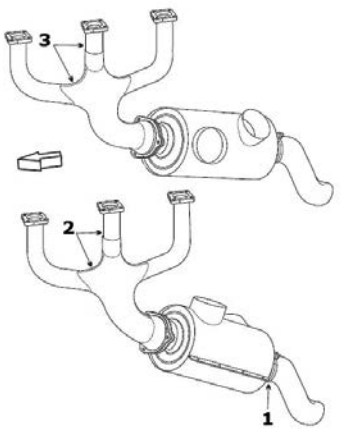
Part Numbers with "AWL" suffix are manufactured by Acorn Welding

Part Numbers with "AD" prefix or (4) digits are manufactured by F Atlee Dodge

206H
S/N 20608001 thru 206999999

Description	Idx	Part Number
Clamp, Riser	N/A	A0750161-25 1
Collector Assembly, LH	2	9954300-5AWL
Collector Assembly, RH	3	9954300-6AWL
Muffler	1	9954300-9AWL

Notes:
1 Must be a stock aircraft. No engine mods or STCs



Part numbers with "A" prefix are manufactured by AWI
Part numbers with "AWL" suffix are manufactured by Acorn Welding

T206H
S/N T20608001 thru T206999999

Description	Idx	Part Number
Clamp Half, w/o Pin	N/A	A0750161-22 1 2 3
Elbow, Cylinder #1	N/A	40B22190AWL
	N/A	40B23387AWL 4
Stack, Cylinder#2	N/A	40B22318AWL
	N/A	40B23386AWL 6
Stack, Cylinder#3	N/A	40B22621AWL
	N/A	40B23388AWL 9
Stack, Cylinder#4	N/A	40B22379AWL
	N/A	40B23385AWL 7
Stack, Cylinder #5	N/A	40B22267AWL
Stack, Cylinder#6	N/A	40B22380AWL
	N/A	40B23384AWL 8
Stub, Cylinder#4	N/A	40G22384AWL
Stub, Cylinder#5	N/A	40B22193AWL
	N/A	40B23389AWL 5

Notes:
1 AD 83-14-04 requires modification of shroud and inspection of muffler and shroud rings
2 AD 85-20-01 one time compliance to inspect for holes to be drilled into muffler core
3 May be purchased as part of the A0750161-KIT which includes A0750161-22 Clamp w/Pin, A0750161-24 Clamp w/o Pin, and attaching hardware
4 Identical to 40B22190AWL except for addition of welded threaded Probe Bung for threaded type EGT system required on install of certain types of Avionics
5 Identical to 40B22193AWL except for addition of welded threaded Probe Bung for threaded type EGT system required on install of certain types of Avionics
6 Identical to 40B22318AWL except for addition of welded threaded Probe Bung for threaded type EGT system required on install of certain types of Avionics
7 Identical to 40B22379AWL except for addition of welded threaded Probe Bung for threaded type EGT system required on install of certain types of Avionics
8 Identical to 40B22380AWL except for addition of welded threaded Probe Bung for threaded type EGT system required on install of certain types of Avionics
9 Identical to 40B22621AWL except for addition of welded threaded Probe Bung for threaded type EGT system required on install of certain types of Avionics

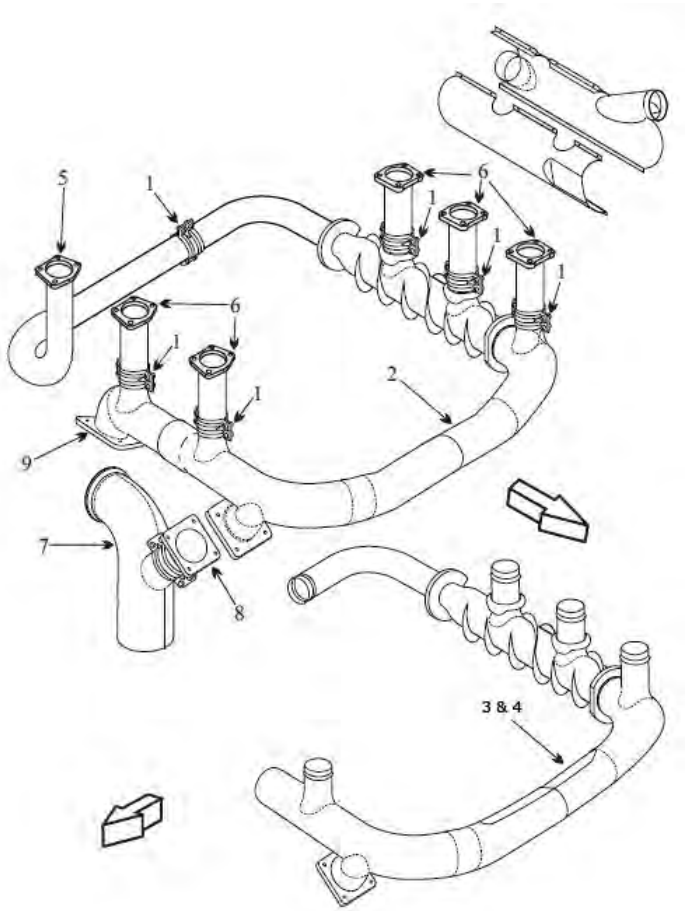
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

TP206A,B,C,D,E,TU206A,B,C,D,E,F,G
S/N P2060191 thru P20600647
U2060487 thru U20607020
20700001 thru 20700788
T2100001 thru T2100454
21059200 thru 21065009

Description	Idx	Part Number
Clamp	1	A1250860-29 1
Crossover	5	A1250860-121
Exhaust, Left Front	2	A1250860-157 6
		A1250860-157M 5 6
Exhaust, Right Front	N/A	A1250860-120
Riser	6	A1250860-100 3
Shroud, Inboard	N/A	A1250860-64
Shroud, Outboard	N/A	A1250860-65
Tailpipe	7	A1250860-164 4
Tailpipe, Adapter	8	A1250860-168
Turbo Bracket, Front Lower	4	A1250818-201
Turbo Bracket, Rear Lower	3	A1250818-200 2
Turbo Inlet	9	A1250860-122
		A1250860-122M
Turbo Inlet, Elbow	N/A	A1250860-122-1M

Notes:
1 TU206A,B,C,D,E,F only
2 TP206A,B,C,D,E,TU206A,B,C,D,E,F,TU206F S/N U2060220 and on, TU206G only
3 TP206A,B,C,D,E, TU206F,G only
4 TP206D S/N P206-0575 thru P206-0603, TP206E, TU206D S/N U206-1323 and on, TU206E,F
5 With STC SA5010NM installed only
6 When installed, this P/N relieves the owner/operator of AD71-09-07 R1, paragraph (a) repetitive 50 hours inspect and pressure test heat exchanger

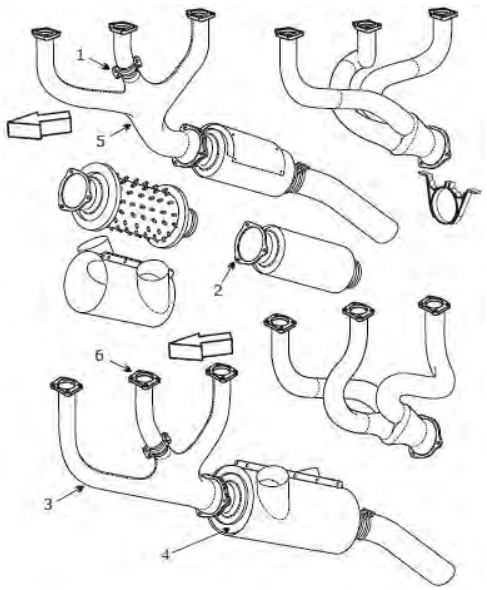


Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

207,207A
S/N 20700001 thru 20700788

Description	Idx	Part Number
Clamp Half, w/o Pin	1	A0750161-22 1 2 6
Clamp, Riser	1	A0750161-25 4
Clamp, Tailpipe		AD1250259-1
Collector Assembly, LH	3	1250263-2AWL
Collector Assembly, RH	5	1250264-2AWL 5
Collector Assy, LH, High Performance	3	A1250263-2HP 3
Collector Assy, RH, High Performance	5	A1250264-2HP 3
Muffler	4	A1250250-5
		1250250-5AWL
Muffler, 650-92 Alternative	2	A1250251-16
		1250251-16AWL
Muffler Shroud, LH		AD1250250-6
Tailpipe, LH		AD1254004-3
Tailpipe, RH		AD1254004-4
Tailpipe Support Assy (2 per aircraft)		AD1254003-1 (LH)
Tailpipe Support Assy (2 per aircraft)		AD1254003-2 (RH)
Riser Assembly, LH	6	1254011-1AWL
Riser Assembly, RH	N/A	1250251-9AWL

1 AD 83-14-04 requires shroud mod and inspection of muffler and shroud rings
2 AD 85-20-01 one-time compliance inspects for holes to be drilled into muffler core
3 This is a modification part (STC SA02809CH)
4 Must be a stock aircraft. No engine mods or STCs.
5 Always buy with riser 1250251-9AWL
6 May be purchased as part of the A0750161-KIT (includes A0750161-22 Clamp w/ Pin, A0750161-24 Clamp w/o Pin, and attaching hardware)

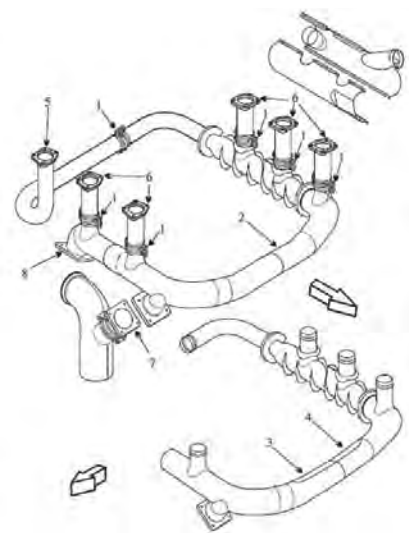


P/Ns with "A" prefix are manufactured by AeroSpace Welding (AWI)
P/Ns with "AWL" suffix are manufactured by Acorn Welding
P/Ns with "AD" prefix are manufactured by F Atlee Dodge

T207,T207A
S/N 20700001 thru 20700788

Description	Idx	Part Number
Clamp	1	A1250860-29
Clamp, Tailpipe		AD1250259-1
Crossover	5	A1250860-121
Heat Exchanger	N/A	A1250250-5 1
Exhaust, Left Front	2	A1250860-157 3
		A1250860-157M 2 3
Muffler, 650-92 Alternative	N/A	A1250251-16 1
Riser	6	A1250860-100
Shroud, Inboard	N/A	A1250860-64
Shroud, Outboard	N/A	A1250860-65
Tailpipe, LH		AD1254004-3
Tailpipe, RH		AD1254004-4
Tailpipe, Adapter	7	A1250860-168
Tailpipe Support Assy (2 per aircraft)		AD1254003-1 (LH)
Tailpipe Support Assy (2 per aircraft)		AD1254003-2 (RH)
Turbo Bracket, Front Lower	4	A1250818-201
Turbo Bracket, Rear Lower	3	A1250818-200
Turbo Inlet	8	A1250860-122
		A1250860-122M
Turbo Inlet, Elbow	N/A	A1250860-122-1M

1 Models T207,T207A S/N 20700363 thru 20700654
2 With STC SA5012 installed
3 When installed, this P/N relieves the owner/operator of AD71-09-07 R1, Paragraph (a) repetitive 50 hours inspect and pressure test heat exchanger

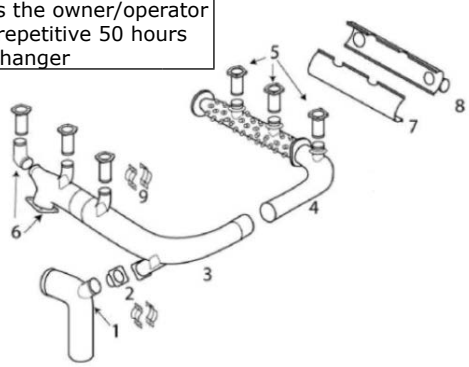


Part numbers with "A" prefix are manufactured by AeroSpace Welding (AWI)
Part numbers with "AWL" suffix are manufactured by Acorn Welding
Part numbers with "AD" prefix are manufactured by F Atlee Dodge

T210F,G,H,J,K,L,M,N,R
S/N T2100001 thru T2100454
21059200 thru 21065009

Description	Idx	Part Number
Clamp	9	A1250860-29 1
Clamp, Tailpipe		AD1250259-1
Crossover	N/A	A1250860-121
Exhaust, Left Front	4	A1250860-157 5
		A1250860-157M 4 5
Exhaust, Right Front	3	A1250860-120
Muffler, 650-92 Alternative	N/A	A1250251-16 2
Riser	5	A1250860-100 3
Shroud, Inboard	7	A1250860-64
Shroud, Outboard	8	A1250860-65
Tailpipe	1	A1250860-164
Tailpipe, Adapter	2	A1250860-168 1
Turbo Bracket, Front Lower	N/A	A1250818-201 1
Turbo Bracket, Rear Lower	N/A	A1250818-200 1
Turbo Inlet	6	A1250860-122
		A1250860-122M
Turbo Inlet, Elbow	6	A1250860-122-1M

Notes:
1 Models T210G,H,J,K,L,M,N,R only
2 Models T210K,L,M,N,R only
3 Models T210N only
4 With STCSA5012 installed
5 When installed, this P/N relieves the owner/operator of AD71-09-07 R1, Paragraph (a) repetitive 50 hours inspect and pressure test heat exchanger



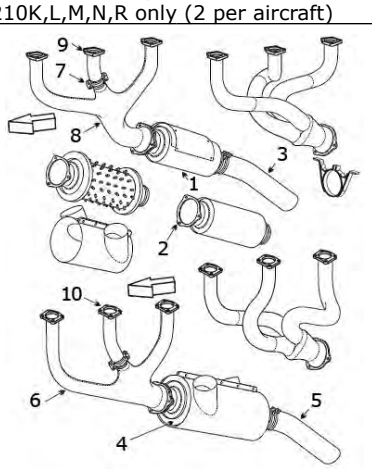
Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AD" prefix are manufactured by F Atlee Dodge

210,210A,B,C,D,E,F,G,H,J,K,L,M,N,R
S/N 57001 thru 57575, 21057576 thru 21065009

Description	Idx	Part Number
Clamp Half, w/o Pin	7	A0750161-22 9 10 11 15
Clamp, Riser	7	A0750161-25 13
Clamp, Tailpipe	N/A	1250259-1AWL 7
Collector Assembly, LH	6	A1250263-2M 9 12
		1250263-2AWL 4
Collector Assembly, RH	8	A1250264-2M 9 12
		1250264-2AWL 4 14
Collector Assy, LH, High Perf.	6	A1250263-2HP 6 12
Collector Assy, RH, High Perf.	8	A1250264-2HP 6 12
Muffler, LH	4	A1250250-5 6
		1250250-5AWL 3
		1250200-3AWL 1
Muffler, RH	1	A1250251-13 5
		1250201-17AWL 1
Muffler, 650-92 Alternative	2	A1250251-16 2
		1250251-16AWL 3
Muffler Shroud, LH		AD1250250-6 17
Riser Assembly,LH	10	1254011-1AWL 4
Riser Assembly, RH	9	1250251-9AWL 4
Tailpipe Hanger Assembly		AD1250255-7 18
Tailpipe Support Assembly		AD1250258-1
Tailpipe, LH	5	A1250256-7 8
		1250256-7AWL 8
		AD1250256-7 16
Tailpipe, RH	3	AD1250264-6 16
		A1250264-6 8
		1250257-7AWL 8

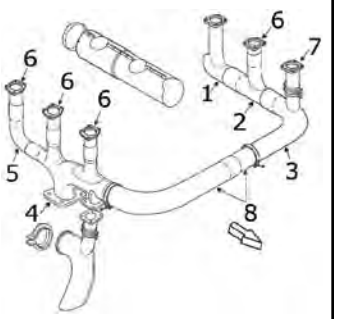
Notes:
1 210, 210A only
2 210,210A,C,D,E,F,G,H,J,K,L,M,N,R only
3 210A,B,C,D,E,F,G,H,J,K,L,M,N only
4 210A,B,C,D,E,F,G,H,J,K,L,M,N,R only
5 210B only
6 210B,C,D,E,F,G,H,J,K,L,M,N,R only
7 210B S/N 21058000 and on, 210C,D,E,F,G,H,J,K S/N 21059200 thru 21059351
8 210B S/N 21058000 and on, 210C,D,E,F,G,H,J,K,L,M,N,R
9 Models 210K,L,M,N,R only
10 AD 83-14-04 requires shroud modification and inspection of muffler and shroud rings
11 AD 85-20-01 one time compliance to inspect for holes to be drilled into muffler core
12 This is a modification part (STC SA02809CH)
13 Must be a stock aircraft. No engine mods or STCs.
14 Always buy with riser 1250251-9AWL
15 May be purchased as part of the A0750161-KIT (includes A0750161-22 Clamp w/Pin, A0750161-24 Clamp w/o Pin, and attaching hardware)
16 Models 210C,D,E,F,G,H,J,K,L,M,N,R only
17 Models 210K,L,M,N only
18 Models 210K,L,M,N,R only (2 per aircraft)



Part numbers with "A" prefix are manufactured by AeroSpace Welding (AWI)
Part numbers with "AWL" suffix are manufactured by Acorn Welding
Part numbers with "AD" prefix are manufactured by F Atlee Dodge

P210N
S/N P21000001 thru P21000834

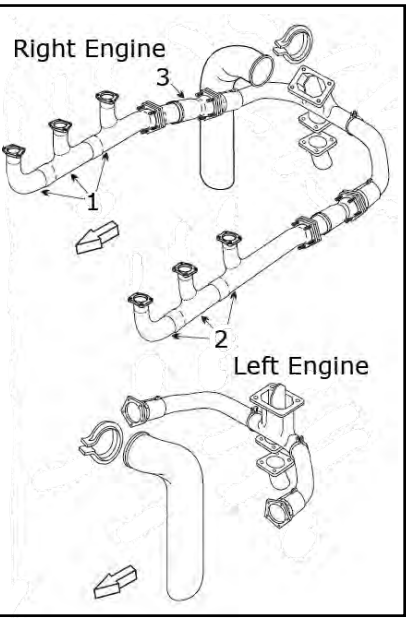
Description	Idx	Part Number
Collector Assembly	4	2154000-55AWL
Crossover Assembly	8	2154000-68AWL
Elbow	5	2154000-64AWL
Muffler Shroud, LH		AD1250250-6
Riser, Inconel	7	A1250860-117
		1250860-117AWL
	6	2154002-3AWL
Riser, Left Center	2	2154000-47AWL
Riser, Left Front	3	2154000-43AWL
Riser, Left Rear	1	2154000-50AWL
Riser, Stainless Steel	7	A1250860-100



"A" prefix are manufactured by AWI
"AD" prefix are manufactured by F Atlee
"AWL" suffix are manufactured by Acorn

310P,Q
S/N 310P0001 thru 310P0240
310Q0001 thru 310Q1160

Description	Idx	Part Number
Slip Joint	3	A9910296-7
Stack Assy, LH	2	A9910295-13
Stack Assy, LH, Inconel	2	A9910295-13I
Stack Assy, RH	1	A9910295-14
Stack Assy, RH, Inconel	1	A9910295-14I



Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

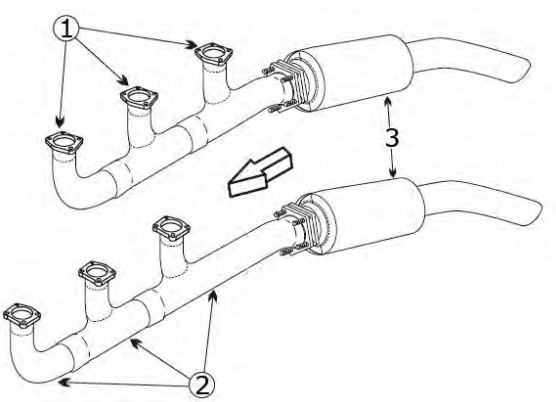
310R,T310R
S/N 310R0001 thru 310R2140

Description	Idx	Part Number
Muffler	3	A9910297-1 1
		9910297-1AWL 1
Slip Joint	N/A	A9910296-7
Stack Assy, LH	2	A9910295-13
Stack Assy, LH Inconel	2	A9910295-13I
Stack Assy, RH	1	A9910295-14
Stack Assy, RH Inconel	1	A9910295-14I

Notes:
1 Supersedes P/N 0852597-1

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

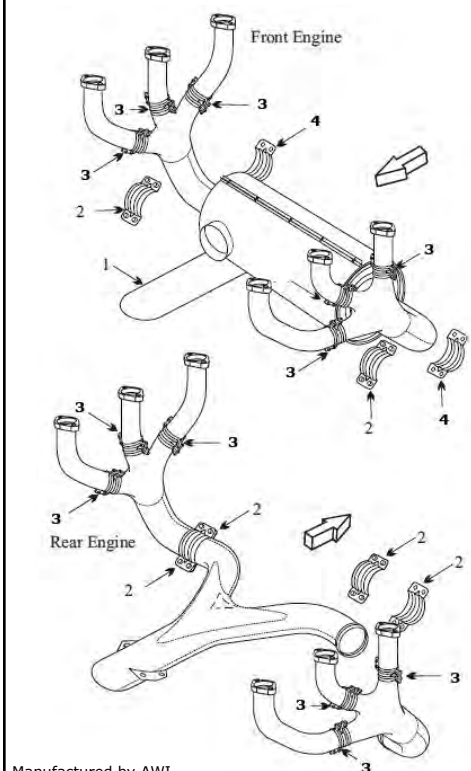
Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.



336
S/N 3360001 thru 3360195, 633, 636

Description	Idx	Part Number
Clamp, Riser	4	A0750161-25 3
Clamp, Tailpipe, w/Pin	3	A0750161-24 1 2 4
Clamp, Tailpipe, w/o Pin	2	A0750161-22 1 2 4
Muffler	1	A1455009-3

Notes:
1 AD 83-14-04 requires shroud modification and inspection of muffler and shroud rings
2 AD 85-20-01 one time compliance to inspect for holes to be drilled into muffler core
3 Must be stock aircraft. No engine mods or STCs
4 May be purchased as part of the A0750161-KIT (includes A0750161-22 clamp w/ pin, A0750161-24 Clamp w/o Pin, and attaching hardware)

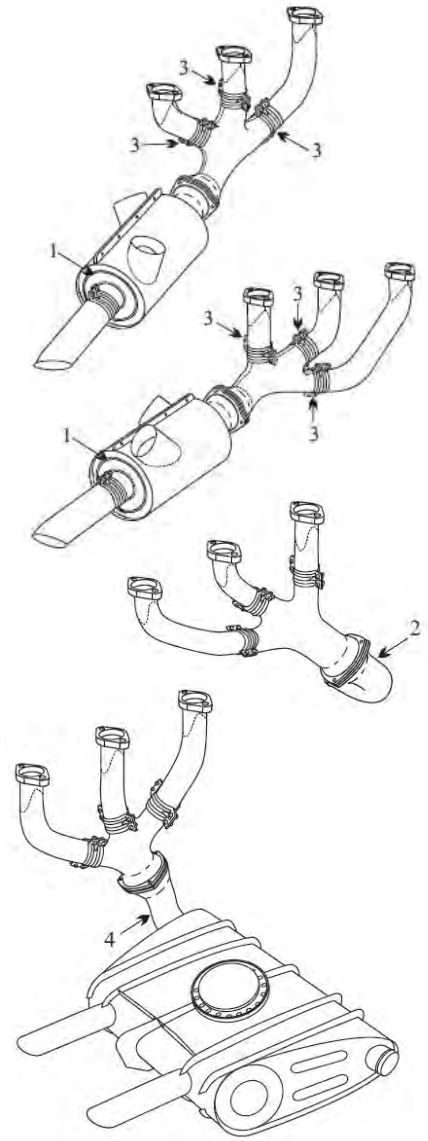


Manufactured by AWI

337,337A,B,C,D,E,F,G,H, F337E,F,G,H M337B,P337H,T337G,H
S/N 337-0002 thru 33701950
F3370001 thru F3379999
337-M0001 thru 337-M0476
P3370001 thru P3370356

Description	Idx	Part Number
Clamp, Riser	3	A1250860-29 6
		A0750161-25 5 9
Clamp, Tailpipe	N/A	1250259-6AWL 1
Elbow, LH	4	1555011-13AWL 3
Elbow, RH	2	1555011-12AWL 3
Elbow, Lower Aft	N/A	1555048-1AWL 8
Elbow, Upper Aft	N/A	1555047-1AWL 8
Muffler	1	A1250250-5 2
		1250250-5AWL 4
Turbo Inlet	N/A	1555010-101AWL 7 10

Notes:
1 337,337A,B,C,D,E, F337E, M337B
2 337,337A,B,C,D,E,F,G,H only
3 337,337A,B,C,D,E,F,G,H S/N 33701816 thru 33701927, M337B
4 337,337A,B,C,D,E,F,G,H, M337B only
5 337,337A,B,C,D,E,F,G,H, P337H only
6 337,337A,B,C,D,E,F,G,H, F337E,F,G,H, P337H, T337H only
7 337B 337-0001, 33700569 and on, 337C,D,E,F,G,H, T337G S/N P3370226 and on, P337H
8 337H,T337G S/N P3370226 and on, P337H
9 Must be a stock aircraft. No engine mods or STCs.
10 Supersedes P/N 1555010-24



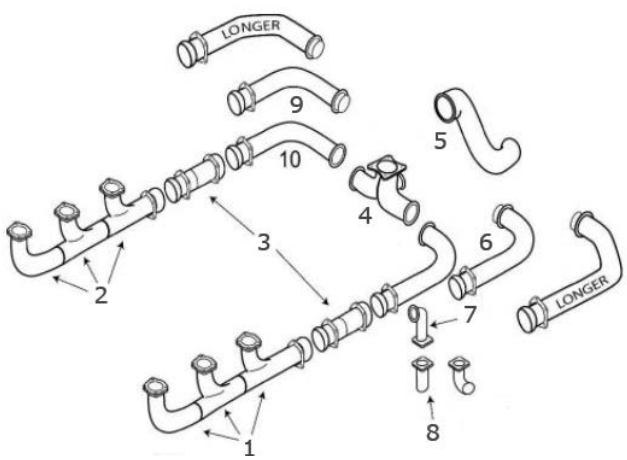
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

340,340A
S/N 340-0001 thru 340-0555
340A0001 thru 340A1817

Description	Idx	Part Number
Bypass, Elbow, Seal	7	A9910299-5 3
Bypass, Elbow, Sealess	7	A9910299-10 5
Elbow, LH, Seal	10	A9910299-3 2
		A9910299-3I 2 6
Elbow, RH, Seal	10	A9910299-4 2
		A9910299-4I 2 6
Elbow, LH, Sealess	6	A9910299-15 5
		A9910299-15I 5 6
Elbow, RH, Sealess	9	A9910299-16 5
		A9910299-16I 5 6
Header Assembly	4	9910341-1AWL 1
Slip Joint	3	A9910296-7
Stack Assembly, LH	1	A9910295-13
		A9910295-13I 6
Stack Assembly, RH	2	A9910295-14
		A9910295-14I 6
Tailpipe, LH	5	A9910299-1
Tailpipe, LH, Extended	5	A9910299-1X
Tailpipe, RH	5	A9910299-2
Tailpipe, RH, Extended	5	A9910299-2X
Wastegate Overboard	8	A9910299-6 4

Notes:
1 340 only
2 340,340A S/N 340A0001 thru 340A0600 only
3 340A S/N 340A0208 thru 340A0600 only
4 340A S/N 340A0208 and on only
5 340A S/N 340A0601 and on only
6 Inconel material

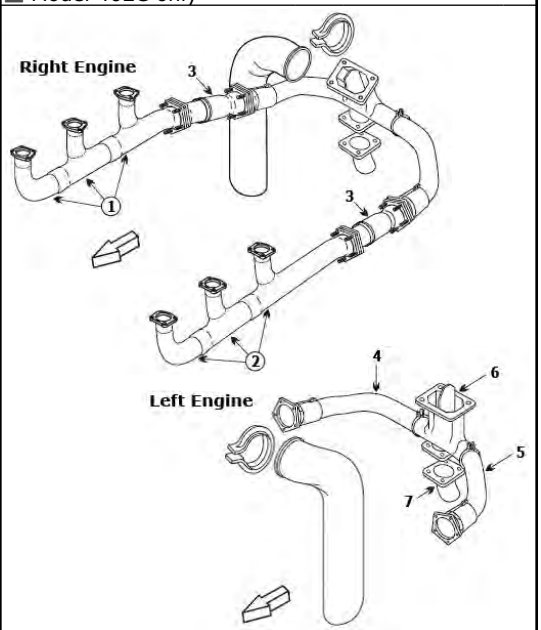


Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

401,401A,B, 402,402A,B,C
S/N 4010001 thru 4010322
401A0001 thru 401A0132
4020001 thru 402-0322
402A0001 thru 402A0129
402B0001 thru 402B1384
402C0001 thru 402C1020

Description	Idx	Part Number	
Elbow, LH	4	A9910377-1	1
Elbow, RH	5	A9910377-2	1
Exhaust Bracket	N/A	A5650118-3	1
Header Assembly	6	9910433-6AWL	1
Slip Joint	3	A9910296-7	
Stack Assembly, LH	2	A9910295-13	
Stack Assembly, LH, Inconel	2	A9910295-13I	
Stack Assembly, RH	1	A9910295-14	
Stack Assembly, RH, Inconel	1	A9910295-14I	
Turbo Bracket	N/A	A5250110-3	1
Wastegate Overboard	7	A9910433-7	1

Notes:
1 Model 402C only



"A" prefix are manufactured by AWI

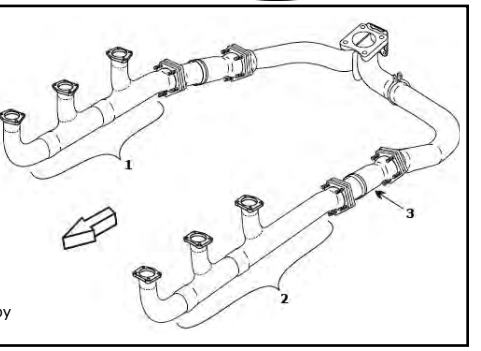
"AWL" suffix are manufactured by Acorn Welding

404
S/N 4040001 thru 404-0859

Description	Idx	Part Number
Slip Joint	3	A9910296-7
Stack Assy, LH	2	A9910295-13
Stack Assy, LH, Inconel	2	A9910295-13I
Stack Assy, RH	1	A9910295-14
Stack Assy, RH, Inconel	1	A9910295-14I

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.



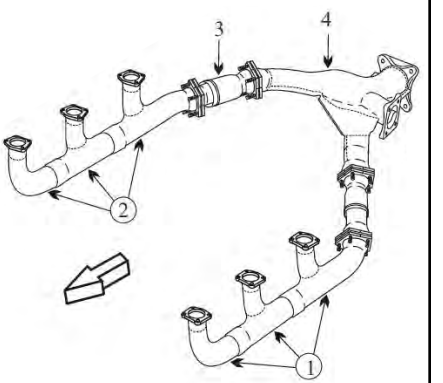
421A,B,C
S/N 421A0001 thru 421A0158
421B0001 thru 421B0970
421C0001 thru 421C1807

Description	Idx	Part Number	
Bypass Elbow	N/A	A5155156-49	1
		A9910300-3	2
Collector Assy	3	9910300-13AWL	2
Sleeve	N/A	A5155157-4	1
Slip Joint	4	A9910296-7	2
Stack Assembly, LH	1	A9910295-15	2
Stack Assy, LH, Inconel	1	A9910295-15I	2
Stack Assy, RH	2	A9910295-16	2
Stack Assy, RH, Inconel	2	A9910295-16I	2

Notes:
1 Models 421A,B only
2 Model 421C only

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.



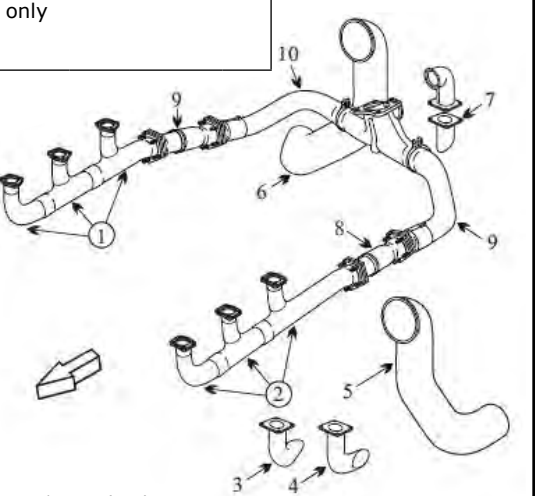
For the most up-to-date eligibility and product images, visit our website, or scan this code for direct access!

.../products/category/exhaust-system/

414,414A
S/N 414-0001 thru 414-0965
414A0001 thru 414A1212

Description	Idx	Part Number	
Bracket Assy	N/A	A5650118-3	1
Bypass, Elbow, Seal	N/A	A9910299-5	3
Bypass, Elbow, Sealess	N/A	A9910299-10	4
Elbow, LH	9	A9910377-1	4
Elbow, RH	10	A9910377-2	4
Elbow, LH, Seal	N/A	A9910299-3	1
		A9910299-3I	1 5
Elbow, RH, Seal	N/A	A9910299-4	1
		A9910299-4I	1 5
Slip Joint	8	A9910296-7	2
Stack Assy, LH	2	A9910295-13	2
		A9910295-13I	2 5
Stack Assy, RH	1	A9910295-14	2
		A9910295-14I	2 5
Tailpipe, LH	5	A9910299-1	
Tailpipe, LH, Extended	5	A9910299-1X	
Tailpipe, RH	6	A9910299-2	
Tailpipe, RH, Extended	6	A9910299-2X	
Wastegate Overboard	7	A9910299-6	1
Wastegate Overboard, LH Pipe	4	A9910299-13	1
Wastegate Overboard, RH Pipe	3	A9910299-14	1

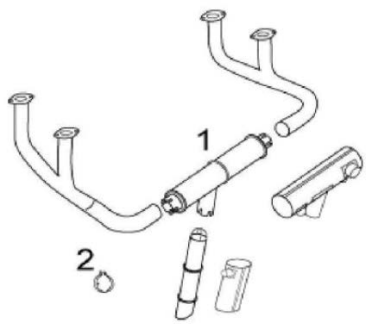
Notes:
1 414 only
2 414 S/N 414-0251 thru 4140965,414A only
3 414 S/N 414-0903 and on only
4 414A only
5 Inconel material



Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

J3C-65,-65S,J3F-65,J3L-65,-65S
S/N 2325 thru 9999999

Description	Idx	Part Number
Clamp, w/Pin	2	A14235-00
Muffler	1	A71053-02

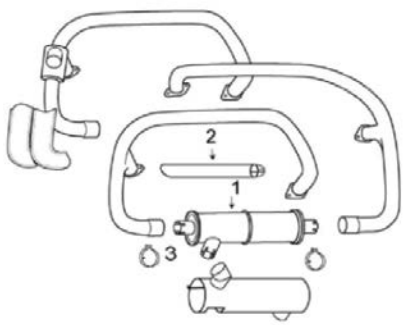


Manufactured by AWI

PA-22,PA-22-108,-135,-150,-160,
PA-22S-135,-150,-160
S/N 22-1 thru 22-99999

Description	Idx	Part Number
Clamp, w/Pin	2	A14235-00 [1]
Muffler	1	10308-03AWL
		A10308-003
Tailpipe	3	A11417-04

Notes:
[1] S/N 22-1949 and on



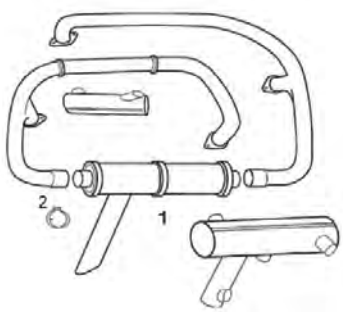
"A" prefix are manufactured by AWI

"AWL" suffix are manufactured by Acorn Welding

PA-18,PA-18-105,-125,-135,-150,
PA-18A, PA-18A135,-125,-135,-150,
PA-18S, PA-18S105,-125,-135,-150
S/N 12-1 thru 18-7632
1809001 thru 1809113
18-3771 thru 18-8309025

Description	Idx	Part Number
Clamp, w/ Pin	2	A14235-00 [2] [1]
Muffler	1	12433-14AWL [2]
		A12433-14
Muffler, Shroud		3236 [6]
Muffler, Hot Rod		3241HR [3] [5]
Shroud, Pre-Heat		3182 [4]

Notes:
[1] S/N 18-3014 and on
[2] All listed models except PA-18-125
[3] New shroud, clamps, and tailpipe included
[4] With STC SA02023AK installed
[5] For aircraft using Lycoming 0320 (150 and 160 HP) engines or 0-360 180 HP engine with STC SA02272-AK
[6] Model PA-18-150 only, with STC SA02024AK installed

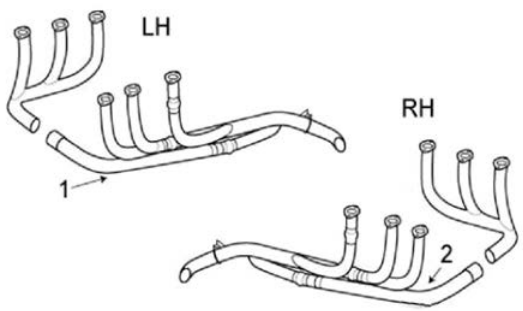


P/Ns with "A" prefix are mfg by AeroSpace Welding (AWI)
P/Ns with "AWL" suffix are mfg by Acorn Welding
P/Ns with "AD" prefix are mfg by F Atlee Dodge

PA-23-250
S/N 27-2505 thru 27-7554168

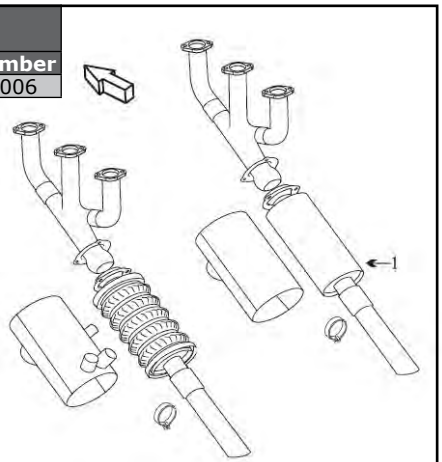
Description	Idx	Part Number
Crossover Tube, LH	1	A33419-05
Crossover Tube, RH	2	A33420-05

Manufactured by AWI



PA-24-260
S/N 24-3642 thru 24-5034

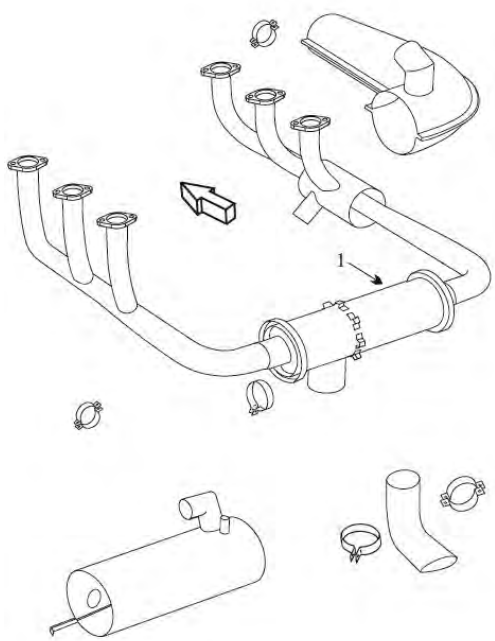
Description	Idx	Part Number
Muffler	1	A26345-006



Manufactured by AWI

PA-24-250
S/N 24-1 thru 24-3687
24-3642 thru 24-5034

Description	Idx	Part Number
Muffler	1	A14235-00



"A" prefix are manufactured by AWI

"AWL" suffix are manufactured by Acorn Welding

PA-28-140
S/N 28-20001 thru 28-7725290

Description	Idx	Part Number
Clamp, w/Pin	N/A	35655-02AWL
Clamp, Tailpipe	N/A	A14235-00 3
Link Assy	N/A	35656-02AWL
		A35656-029
Muffler	N/A	99482-00AWL 5
		A99482-00 5
Shroud	N/A	A62208-02 2
		A66704-02 4
		A63723-002 3 6
Shroud Assy	N/A	A63723-001 6
Stack, LH Aft	N/A	99044-03AWL
		A99044-03 3
Stack, RH Aft	N/A	99044-04AWL
		A99044-04 3
Stack, LH Fwd	N/A	63726-02AWL 1
		A63726-02 3
Stack, RH Fwd	N/A	63726-04AWL 1
		A63726-04 3
Tailpipe	N/A	A63666-002 3

Notes:
1 S/N 28-20001 thru 28-7125471 only
2 S/N 28-20002 thru 28-24999 only
3 S/N 28-20002 and on only
4 S/N 28-25000 and on only
5 AD70-16-05 50- or 100-hour inspection on muffler not applicable when 99482-02 is installed
6 P/N A63723-002 is blank, not drilled. P/N A63723-001 is an assembly (drilled) top and bottom, containing both P/Ns A63723-002 and A63723-003

PA-28-180
S/N 28-671 thru 28-7505260

Description	Idx	Part Number
Clamp, w/Pin	N/A	35655-02AWL
Clamp, Tailpipe	N/A	A14235-00
Link Assembly	N/A	35656-02AWL
		A35656-02
Muffler	N/A	66894-03AWL
		A99482-02 1 5
Shroud	N/A	A63652-02 2
		A62208-02 3
		A63723-002 6 7
Shroud Assy	N/A	A63723-001 6 7
Shroud, LH	N/A	A62981-006 4
Shroud, RH	N/A	A62981-007 4
Stack, LH Aft	N/A	99044-03AWL 1
		A99044-03 1
		A62231-00 4
Stack, RH Aft	N/A	99044-04AWL 1
		A99044-04 1
Stack, LH Fwd	N/A	63726-02AWL 1
		A63726-02 1
Stack, RH Fwd	N/A	63726-04AWL 1
		A63726-04 1
Tailpipe	N/A	A63666-002 1

Notes:
1 S/N 28-671 thru 28-1760 only
2 S/N 28-761 thru 28-1520 only
3 S/N 28-1521 thru 28-1760 only
4 S/N 28-1761 and on only
5 AD70-16-05 50 hour or 100 hour inspection on muffler not applicable when muffler 99482-02 is installed
6 P/N A63723-002 is blank, not drilled. P/N A63723-001 is an assembly (drilled) top and bottom, containing P/Ns A63723-002 and A63723-003
7 S/Ns 28-671 thru 28-677, 28-680, 28-682 thru 28-684, 28-686 thru 28-689, 28-692, 28-694 thru 28-696, 28-698 thru 28-705, and 28-708 thru 28-1760

PA-28-150
S/N 28-1 thru 28-4377

Description	Idx	Part Number
Clamp, w/Pin	N/A	35655-02AWL
Clamp, Tailpipe	N/A	A14235-00
Link Assy	N/A	35656-02AWL
		A35656-02
Muffler	N/A	99482-00AWL 2 5
		A99482-00 2 5
Shroud	N/A	A63652-02 1
		A66704-02 3
		A63723-002 6 7
Shroud Assy	N/A	A63723-001 6 7
Shroud, LH	N/A	A62981-006 4
Shroud, RH	N/A	A62981-007 4
Stack, LH Aft	N/A	99044-03AWL 2
		A99044-03 2
		62892-03AWL 4
Stack, RH Aft	N/A	99044-04AWL 2
		A99044-04 2
Stack, LH Fwd	N/A	99044-02AWL 2
		A63726-02 2
Stack, RH Fwd	N/A	63726-04AWL 2
		A63726-04 2
Tailpipe	N/A	A63666-002

Notes:
1 S/N 28-1 thru 28-1520 only
2 S/N 28-1 thru 28-1760 only
3 S/N 28-1521 thru 28-1760 only
4 S/N 28-1761 and on only
5 AD70-16-05 50- or 100-hour inspection on muffler not applicable when 99482-02 is installed
6 P/N A63723-002 is blank, not drilled. P/N A63723-001 is an assembly (drilled) top and bottom, containing both P/Ns A63723-002 and A63723-003
7 S/Ns 28-671 thru 28-677, 28-680, 28-682 thru 28-684, 28-686 thru 28-689, 28-692, 28-694 thru 28-696, 28-698 thru 28-705, and 28-708 thru 28-1760

PA28-160
S/N 28-1 thru 28-4377

Description	Idx	Part Number
Clamp, w/Pin	N/A	35655-02AWL
Clamp, Tailpipe	N/A	A14235-00
Link Assy	N/A	35656-02AWL
		A35656-02
Muffler	N/A	99482-00AWL 2 5
		A99482-00 2 5
Shroud	N/A	A63652-02 1
		A62208-02 3
		A63723-002 6 7
Shroud Assy	N/A	A63723-001 6 7
Shroud, LH	N/A	A62981-006 4
Shroud, RH	N/A	A62981-007 4
Stack, LH Aft	N/A	99044-03AWL 2
		A99044-03 2
Stack, RH Aft	N/A	99044-04AWL 2
		A99044-04 2
Stack, LH Fwd	N/A	99044-02AWL 2
		A63726-02 2
Stack, RH Fwd	N/A	63726-04AWL 2
		A63726-04 2
Tailpipe	N/A	A63666-002

Notes:
1 S/N 28-1 thru 28-1520 only
2 S/N 28-1 thru 28-1760 only
3 S/N 28-1521 thru 28-1760 only
4 S/N 28-1761 and on only
5 AD70-16-05 50 hour or 100 hour inspection on muffler not applicable when muffler 99482-02 is installed
6 P/N A63723-002 is blank, not drilled. P/N A63723-001 is an assembly (drilled) top and bottom, containing both P/Ns A63723-002 and A63723-003
7 S/Ns 28-671 thru 28-677, 28-680, 28-682 thru 28-684, 28-686 thru 28-689, 28-692, 28-694 thru 28-696, 28-698 thru 28-705, and 28-708 thru 28-1760

PA-28-181
S/N 2843001 thru 2843999
28-7690001 thru 28-8690062
2890001 thru 2890231

Description	Idx	Part Number
Clamp, w/Pin	N/A	35655-02AWL
		A63243-002 3
Link Assembly	N/A	35656-02AWL
		A35656-02
Muffler	N/A	A66894-03 5
Muffler, Fwd	N/A	A85477-02 6
Muffler, Rear	N/A	A85477-05 6
Stack, LH Aft	N/A	62231-00AWL
		A62231-005
Stack, RH Aft	N/A	62232-00AWL
		A62232-004
		62232-03AWL 4
Stack, LH Fwd	N/A	35300-00AWL
		A35300-00 2
Stack, RH Fwd	N/A	62230-00AWL
		A62230-00 1
Strap	N/A	A24793-004 6
Tailpipe	N/A	A85477-011 6
Tailpipe Hanger Clamp	N/A	A24791-006 6

Notes:
1 S/N 2843001 thru 2843999, 28-7690001 thru 28-8690056, 2890001 and on only
2 S/N 2843001 thru 2843999, 28-7690001 thru 28-8690062, 2890206 and on only
3 S/N 28-7690001 thru 28-8690062 only
4 28-7690001 thru 28-8690062 and 2890001 thru 2890205
5 S/N 28779001 and on only
6 For the PA-28-181, 2 muffler, 1 tailpipe exhaust system

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

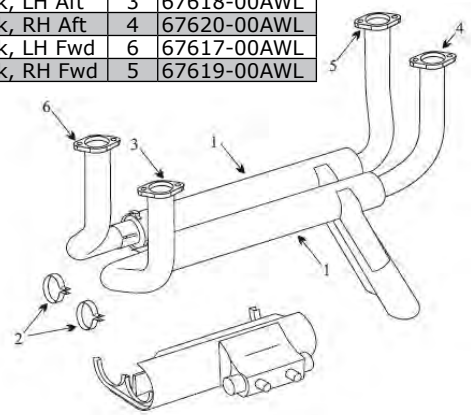
PA-28-201T, PA-28R-201T, PA-28RT-201T
S/N 28-7921001 thru 28-7921095
2803001 thru 2803012
28R-7703001 thru 28R-7803373
2831001 thru 2831038
28R-7931001 thru 28R-8631005

Description	Idx	Part Number
Elbow, Crossover	N/A	654303AWL
Elbow, Cylinder #5	N/A	654261AWL
Elbow, Cylinder #6	N/A	654260AWL
Inlet, WYE Assembly	N/A	654304AWL
Stack, LH Aft	N/A	67811-00AWL 1
	N/A	A67811-000 1
Stack, RH Aft	N/A	67812-00AWL 1
	N/A	A67812-000 1
Stack, LH Fwd	N/A	67810-00AWL 1
	N/A	A67810-000 1
Stack, RH Fwd	N/A	67809-00AWL 1
	N/A	A67809-000 1
Tee, Cylinder #1	N/A	654265AWL
Tee, Cylinder #2	N/A	654264AWL
Tee, Cylinder #3	N/A	654263AWL
Tee, Cylinder #4	N/A	654262AWL
Tie Rod End	N/A	654305AWL
	N/A	654306AWL
Valve, Bypass	N/A	654302AWL

Notes:
1 Model 28R-201T only

PA-28R-180
S/N 28R-30002 thru 28R-7130013

Description	Idx	Part Number
Clamp, w/Pin	2	35655-02AWL
		A63243-002
Link Assembly	N/A	35656-02AWL
		A35656-02
Muffler	1	67517-00AWL
		A67517-00
Stack, LH Aft	3	67618-00AWL
Stack, RH Aft	4	67620-00AWL
Stack, LH Fwd	6	67617-00AWL
Stack, RH Fwd	5	67619-00AWL



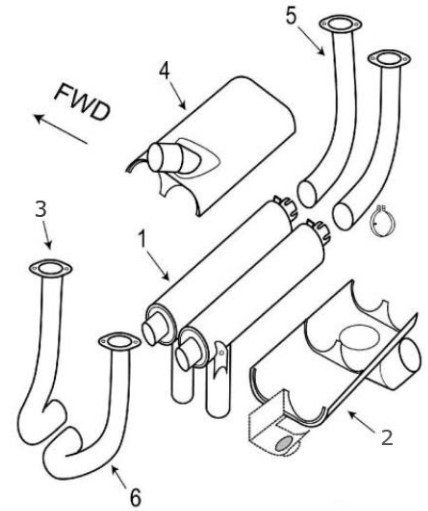
"A" prefix are manufactured by AWI

"AWL" suffix are manufactured by Acorn Welding

PA-28-151,PA-28-161
S/N 28-7415001 thru 28-7715314
2816001 thru 2816119
2841001 thru 2841365
2842001 thru 2842999
287716001 thru 28-8616057

Description	Idx	Part Number
Clamp, w/Pin	N/A	35655-02AWL
		A63243-002 3
Link Assembly	N/A	35656-02AWL
		A35656-02
Muffler	1	66894-03AWL
		A66894-03
Stack, LH Aft	4	35301-00AWL
		A62231-005 1
Stack, RH Aft	2	62232-000AWL
		A62232-004 1
Stack, LH Fwd	3	35300-00AWL
		A35300-00 2
Stack, RH Fwd	5	62230-00AWL
		A62230-00 1
	6	37922-02AWL

Notes:
1 Models PA-28-151, PA-28-161 S/N 2841001 thru 2841365 & 287716002 and on only
2 Models PA-28-151, PA-28-161 S/N 287716001 thru 287716323 only
3 Models PA-28-151, PA-28-161 S/N 287716001 thru 288616057 only



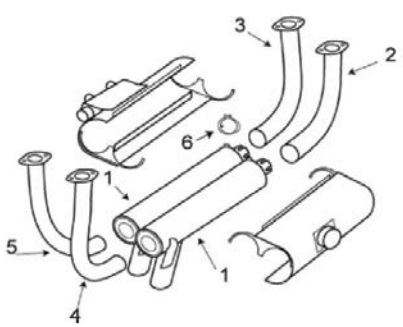
"A" prefix are manufactured by AWI

"AWL" suffix are manufactured by Acorn Welding

PA-28R-200, PA-28R-201
S/N 28R-35001 thru 28R-7635545
2837001 thru 2837061
2844001 thru 2844999
28R-7737002 thru 28R-7837317

Description	Idx	Part Number
Clamp, w/Pin	N/A	35655-02AWL
	6	A63243-002 2
Link Assembly	N/A	35656-02AWL
		A35656-02
Muffler	1	67517-00AWL 1
		A67517-00
Stack, LH Aft	4	67811-00AWL
		A67811-000
Stack, RH Aft	2	67812-00AWL
		A67812-000
Stack, LH Fwd	5	67810-00AWL
		A67810-000
Stack, RH Fwd	3	67809-00AWL
		A67809-000

Notes:
1 Model 28R-200 only
2 Models PA-28R-200, PA-28R-201 S/N 2837001 thru 2837061, 2844001 thru 2844999



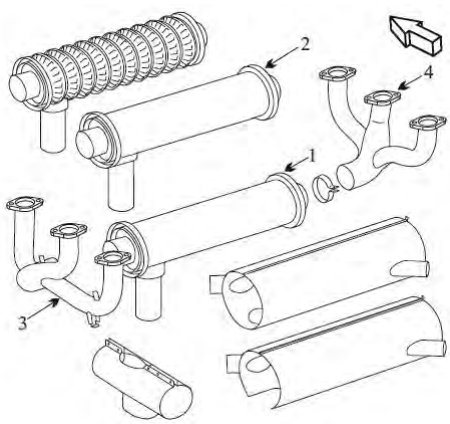
"A" prefix are manufactured by AWI

"AWL" suffix are manufactured by Acorn Welding

PA-28-235
S/N 28-10001 thru 28-771089

Description	Idx	Part Number
Muffler, Round Cuff	2	A65813-00 3
Muffler, Square Cuff	1	A65012-00 2
Stack, LH	3	A65038-00 1
Stack, RH	4	A65039-00 1

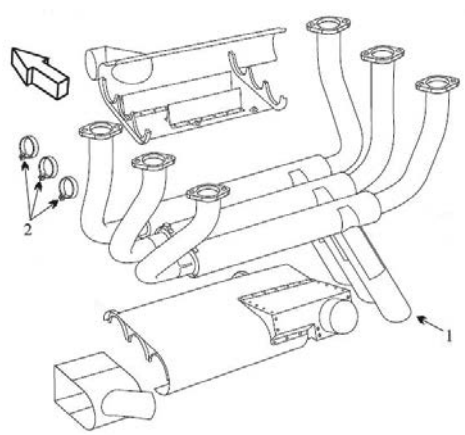
Notes:
1 S/N 28-10001 thru 28-11378, 28-7110001 thru 28-7210023 only
2 S/N 28-10003 thru 28-10062 only
3 S/N 28-10986 thru 28-7210033 only



Manufactured by AWI

PA-28-236
S/N 2811001 thru 2811050
2845001 thru 2845999
28-7911001 thru 28-8611008

Description	Idx	Part Number
Clamp, w/Pin	2	A63243-002
Link Assembly	N/A	35656-02AWL
		A35656-02
Muffler	1	67517-00AWL
		A67517-00



"A" prefix are manufactured by AWI

"AWL" suffix are manufactured by Acorn Welding

PA-30, PA-39
S/N 30-1 thru 30-2000
39-1 thru 39-162

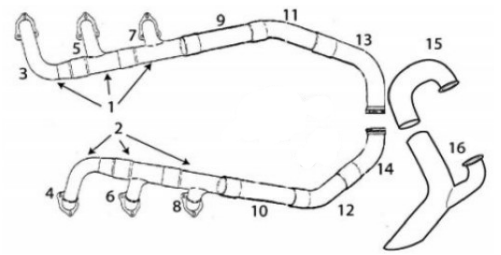
Description	Idx	Part Number
Stack, Cylinder #1	N/A	23850-008AWL
Stack, Cylinder #2	N/A	23850-010AWL
Stack, Cylinder #3	N/A	23850-011AWL
Stack, Cylinder #4	N/A	23850-014AWL

Manufactured by Acorn Welding, Ltd.

PA-31-310, PA-31-325
S/N 31-2 thru 31-8312019
31-7400990 thru 31-8312019

Description	Idx	Part Number
Elbow, Intermediate, LH Aft	14	LW16790AWL 2 3
Elbow, Intermediate, RH Aft	13	LW16793AWL 2 3
Elbow, Intermediate, LH Center	12	LW16789AWL 2 3
Elbow, Intermediate, RH Center	11	LW16792AWL 2 3
Riser, LH Aft	8	A10162
Riser, RH Aft	7	A10161
Riser, LH Center	6	A10163
Riser, RH Center	5	A10160
Riser, LH Fwd	4	A10164
Riser, RH Fwd	3	A10159
Stack Assembly, LH	2	A16826 5 6
Stack Assembly, RH	1	A16825 4 6
Tailpipe, Lower	16	40310-09AWL 1
		A40310-9
Tailpipe, Upper	15	40310-08AWL 1
Tube, Intermediate, LH Fwd	10	LW15849AWL 2 3
		A15849
Tube, Intermediate RH Fwd	9	LW15850AWL 2 3

Notes:
1 Model PA-31-310 only
2 This exhaust should be changed with the Front, Middle intermediate tube and the Aft Intermediate tube to prevent accidental disengagement of the slip joints
3 The slip joints must be lubricated and allow to move during operation to prevent cracking of the flanges
4 Part number A16825 is the full Stack Assembly, which contains one each of A10159, A10160, and A10161.
5 Part number A16826 is the full Stack Assembly, which contains one each of A10164, A10163, and A10162.
6 If components are installed individually, there is no guaranteed fit. This part number is non-returnable.



Piper PA-31-350
31-5001 thru 31-8553002

Description	Idx	Part Number
Elbow, Intermediate, LH Aft	14	A16697 1 2
		LW16697AWL 1 2
Elbow, Intermediate, RH Aft	13	A16620 1 2
		LW16620AWL 1 2
Elbow, Intermediate, LH Center	12	A16696 1 2
		LW16696AWL 1 2
Elbow, Intermediate, RH Center	11	A16621 1 2
		LW16621AWL 1 2
Riser, LH Aft	8	LW10162AWL
		A10162
Riser, RH Aft	7	LW10161AWL
		A10161
Riser, LH Center	6	LW10163AWL
		A10163
Riser, RH Center	5	LW10160AWL
		A10160
Riser, LH Fwd	4	LW10164AWL
		A10164
Riser, RH Fwd	3	LW10159AWL
		A10159
Stack Assembly, LH	2	A16826 4 5
Stack Assembly, RH	1	A16825 3 5
Tailpipe, Lower	16	40310-09AWL
		A40310-9
Tailpipe, Upper	15	40310-10AWL
		A40310-10
Tube, Intermediate, LH/RH Fwd	9	A15849
	10	LW15849AWL

Notes:
1 This exhaust should be changed with the Front, Middle intermediate tube and the Aft Intermediate tube to prevent accidental disengagement of the slip joints
2 The slip joints must be lubricated and allow to move during operation to prevent cracking of the flanges
3 Part number A16825 is the full Stack Assembly, which contains one each of A10159, A10160, and A10161.
4 Part number A16826 is the full Stack Assembly, which contains one each of A10164, A10163, and A10162.
5 If components are installed individually, there is no guaranteed fit. This part number is non-returnable.

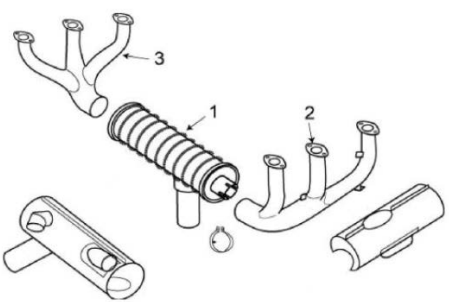
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

PA-32-260
S/N 32-1 thru 32-700008

Description	Idx	Part Number
Muffler	1	A68718-00 1
Stack, LH	2	A65038-00 1
Stack, RH	3	A65039-00 1

Notes:
1 S/N 32-1 thru 32-1297 and 32-7100001 thru 32-7800008 only

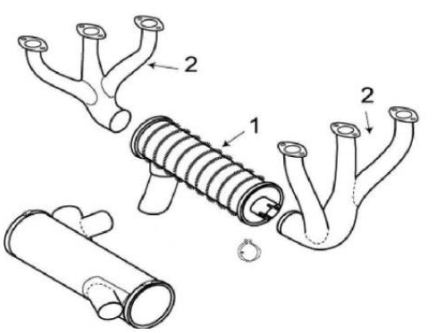


Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

PA-32-300
S/N 32-40000 thru 32-7940290

Description	Idx	Part Number
Muffler	1	A68796-00 1
Stack Assembly, LH and RH	2	A68793-00

Notes:
1 S/N 32-40000 thru 32-7540198 only



Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

PA-32-301T,PA-32R-301T,PA-32RT-301T
S/N 32-8024001 thru 32-8424002
3229001 thru 3229003
32R-8029001 thru 32R-8629008
32R-7887002 thru 32R-7987126

Description	Idx	Part Number
Adapter, Exhaust Pipe, Cylinder #1/2/5/6	N/A	40B19840AWL 1
Crossover, LH Aft	N/A	LW16103AWL
Crossover, RH Aft	N/A	LW16102AWL
Elbow, Bypass	N/A	764-501AWL 2
Elbow, Transition Inlet	N/A	LW15806AWL
Riser, Cylinder #5	N/A	LW15805AWL
Riser, Cylinder #6	N/A	40B21375AWL
Tailpipe	N/A	98705-002AWL
Transition/Valve	N/A	LW16858AWL

Notes:
1 PA-32R-301T S/N 3257001 and on only
2 This elbow should be purchased when replacing the 98705-000 or 98705-002 Tailpipe

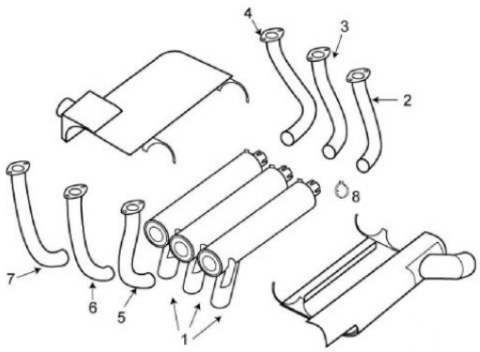
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

PA-32R-300, PA-32RT-300, PA-32-301
S/N 32R-7680001 thru 32R7880068
32R-7885002 thru 32R-7985106
3213001 thru 3213103
3246001 thru 3246999
32R8013001 thru 32R-8613006

Description	Idx	Part Number
Clamp, w/ Pin	8	A63243-002
Muffler	1	A67517-00
Stack, LH Front	2	A38137-04
Stack, RH Front	5	A38137-05
Stack, LH Center	3	A38137-03
Stack, RH Center	6	A38137-06
Stack, LH Rear	4	A38137-02
Stack, RH Rear	7	A38137-07

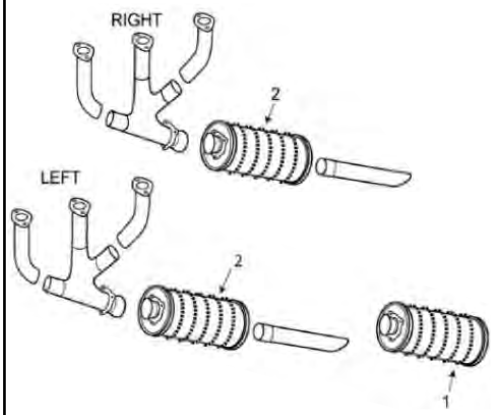
Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)



PA-32-301
S/N 3213001 thru 3213103
3246001 thru 3246999
32R-8013001 thru 32R8613006

Description	Idx	Part Number
Muffler, 9"	1	A26345-008
Muffler, 9.5"	2	A26345-005 [1]

Notes:
[1] Carbureted aircraft use (2) A26345-005 mufflers

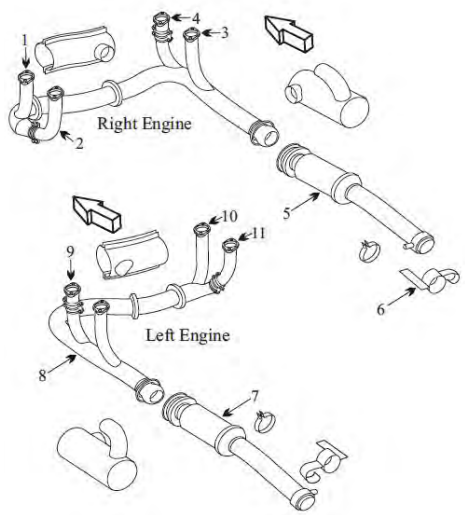


Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

PA-34-200
S/N 34-7250001 thru 34-7450220

Description	Idx	Part Number
Clamp	N/A	A0750161-25 [1] [2]
Collector, LH Inboard	10	78463-004AWL
Collector, RH Inboard	1	78463-013AWL
Collector, LH Outboard	8	78463-006AWL
Collector, RH Outboard	3	78463-015AWL
Riser, LH Inboard	11	78463-002AWL
Riser, RH Inboard	2	78463-012AWL
Riser, LH Outboard	9	78463-007AWL
Riser, RH Outboard	4	78463-016AWL
Tailpipe, LH	7	78463-010AWL
Tailpipe, RH	5	78463-018AWL
Tailpipe, Support Assy	6	78463-11AWL

Notes:
[1] S/N 34-725001 thru 34-7350343 only
[2] Must be stock aircraft. No engine mods or STCs
[3] Tailpipe is supplied Pre-Modified IAW FAA AD 83-14-05



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

PA-34-200T, PA-34-220T
S/N 34-8133001 thru 34-8633031
3433001 thru 3433172
3447001 thru 3447029
3448001 thru 3448079
3449001 thru 3449999

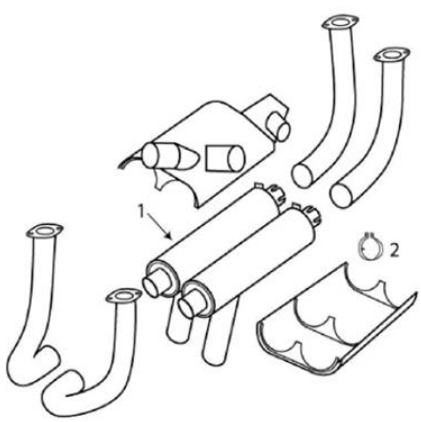
Description	Idx	Part Number
Elbow, LH Intermediate	N/A	654238AWL [1]
Elbow, RH Intermediate	N/A	656297AWL [1]
Elbow, Cylinder #5	N/A	654261AWL
Elbow, Cylinder #6	N/A	654260AWL
Inlet, WYE Assembly	N/A	654237AWL [1]
Tailpipe	N/A	654270AWL [1]
Tee, Cylinder #1	N/A	654265AWL
Tee, Cylinder #2	N/A	654264AWL
Tee, Cylinder #3	N/A	654263AWL
Tee, Cylinder #4	N/A	654262AWL
Tie Rod End	N/A	654305AWL
	N/A	654306AWL
Valve, Bypass	N/A	654274AWL [1]

Notes:
[1] Exclude S/N 3449001 thru 3449999

Manufactured by Acorn Welding, Ltd.

PA-38-112
S/N 38-78A0001 thru 38-82A0122

Description	Idx	Part Number
Clamp, w/Pin	2	A63243-002
Muffler	1	77669-002AWL
		A77669-02



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

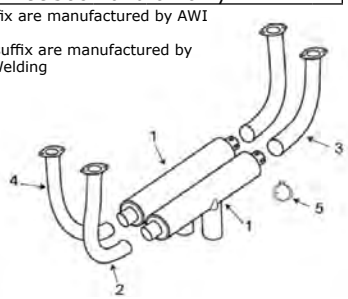
PA-44-180
S/N 44-7995001 thru 44-8195026
4495001 thru 4495013
4496001 thru 4496999

Description	Idx	Part Number
Clamp, w/Pin	5	A63243-002
Muffler	1	86299-007AWL
		A86299-008
Stack, LH Aft	N/A	A89366-011 [2]
Stack, RH Aft	4	A89366-005 [1]
Stack, LH Fwd	3	A89366-003 [1]
Stack, RH Fwd	2	A86202-004 [3]

Notes:
[1] S/N 4495001 and on only
[2] S/N 4496001 and on only
[3] S/N 7995001 and on only

"A" prefix are manufactured by AWI

"AWL" suffix are manufactured by Acorn Welding



PA-46-350P, PA-46R-350T
S/N 4622001 thru 4622200
4636001 thru 4636999
4692001 thru 4692999

Description	Idx	Part Number
Adapter, Wastegate	N/A	40B19851AWL
Elbow, LH Fwd, Cylinder #2	N/A	40B19841AWL
Elbow, RH Fwd, Cylinder #1	N/A	40B19844AWL
Inlet, Bypass/Wastegate	N/A	47C21952AWL [1]
Stack, LH Center, Cylinder #4	N/A	40B19842AWL
Stack, RH Center, Cylinder #3	N/A	40B19827AWL
Tube, Center	N/A	40B19974AWL
Tube, LH	N/A	40B19850AWL
Tube, RH	N/A	40B19975AWL

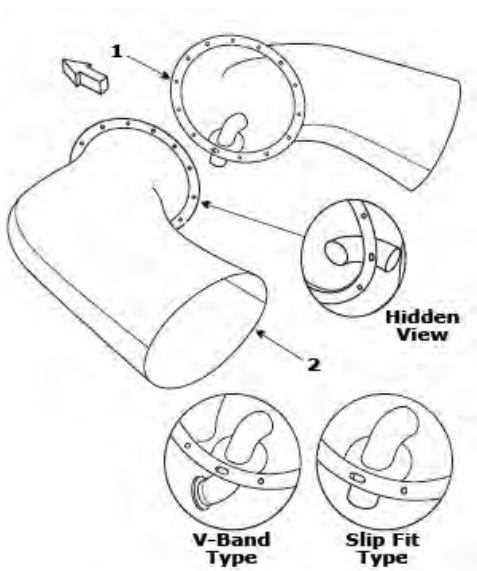
Notes:
[1] Exclude S/N 3449001 thru 3449999

Manufactured by Acorn Welding, Ltd.

A200,A200C,A200CT
S/N BC-1 thru BC-9999
BD-1 thru BD-9999
BJ-1 thru BJ-9999
BP-1 thru BP-63
GR-1 thru GR-19
FC-1 thru FC-9999
FE-1 thru FE-36

Description	Idx	Part Number
Elbow, Stack Hose	N/A	101-910204-11AWL 1
Hose, Exhaust Stack	N/A	101-9048-21AWL 1
Stack, LH	2	101-950018-21AWL 2 6 7 10
		101-950019-47AWL 4 6 7
		101-950023-1AWL 4 6 7
		130-950001-39AWL 1
Stack, RH	1	101-950018-23AWL 3 6 8 10
		101-950019-49AWL 5 6 8
		101-950023-3AWL 5 6 8
		130-950001-41AWL 1

Notes:
1 With or without STC SA10737SC or SA10824SC
2 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97, 78-00-00-10,AF78-00-00-10
3 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-60,101-950016-25,-43,-69,-75,-83,-99, 78-00-00-20,AF78-00-00-20
4 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97, 101-950018-13,-21
5 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-60,101-950016-25,-43,-69,-75,-83,-99, 101-950018-15,-23
6 Compatible Flow Thru Style Heated Lips are: Intake Lips modified by Beech Kit 101-9048 or Acorn Welding REO C-RA12-167, Intake Lips previously modified by Butterfield Industries BI-1001-1 or Raisbeck Engineering BI-1001-1 and modified by Acorn REO C-RA12-167
7 Upper Cowlings will require modification when replacing the following exhaust stacks: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97
8 Upper Cowlings will require modifications when replacing the following exhaust stacks: 101-950001-60, 101-950016-25,-43,-69,-75,-83,-99
9 Must be used with 101-950018-23AWL
10 Must be used with 101-950018-21AWL



B200,B200C,CGT,CT,GT,T
S/N BB-734 thru BB-9999
BW-1 thru BV-9999
BL-37 thru BL-9999
BP-64 thru BP-9999
BU-1 thru BU-10
BV-1 thru BV-10
BZ-1 thru BZ-9999
BN-2 thru BN-4
BY-1 thru BY-9999
BT-23 thru BT-9999

Description	Idx	Part Number
Elbow, Stack Hose	N/A	101-910204-11AWL 1 2 3
Hose, Exhaust Stack	N/A	101-9048-21AWL 1 2 3
Stack, LH	2	101-950018-21AWL 5 9 10 12
		101-950019-47AWL 7 9 10
		101-950023-1AWL 7 9 10
		130-950001-39AWL 1 2 3
Stack, RH	1	101-950018-23AWL 2 4 6 9 11 13
		101-950019-49AWL 2 4 8 9 11
		101-950023-3AWL 2 4 8 9 11
		130-950001-41AWL 2 3

Notes:
1 Models B200 S/N BB-854 and on, B200C S/N BW-1 thru BV-9999, BL-37 thru BL-9999, BP-64 thru BP-9999,B200CGT,CT,GT,T
2 Except BB-871, BB-873, BB-892, BB-893
3 With or without STC SA10737SC or SA10824SC
4 S/N BB-854 thru BB-9999 with or without STC SA10737SC or SA 10824SC
5 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97, 78-00-00-10,AF78-00-00-10
6 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-60, 101-950016-25,-43,-69,-75,-83,-99, 78-00-00-20,AF78-00-00-20
7 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97, 101-950018-13,-21
8 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-60,101-950016-25,-43,-69,-75,-83,-99, 101-950018-15,-23
9 Compatible Flow Thru Style Heated Lips are: Intake Lips modified by Beech Kit 101-9048 or Acorn Welding REO C-RA12-167, Intake Lips previously modified by Butterfield Industries BI-1001-1 or Raisbeck Engineering BI-1001-1 and modified by Acorn REO C-RA12-167
10 Upper Cowlings will require modification when replacing the following exhaust stacks: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97
11 Upper Cowlings will require modifications when replacing the following exhaust stacks: 101-950001-60, 101-950016-25,-43,-69,-75,-83,-99
12 Must be used with 101-950018-23AWL
13 Must be used with 101-950018-21AWL

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

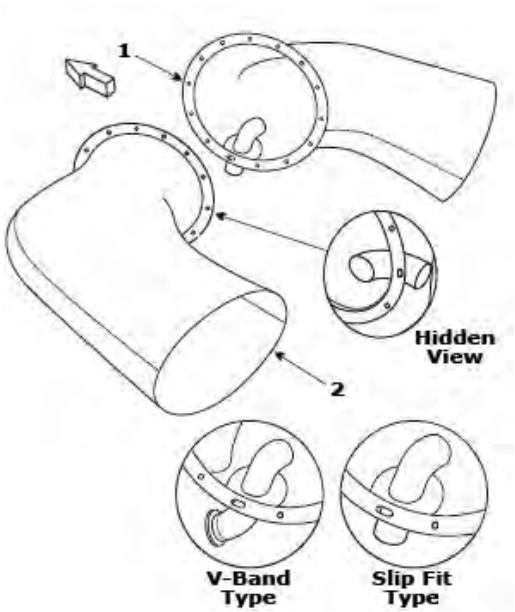
Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

200,200C,200CT,200T
S/N BB-2 thru BB-912
BL-1 thru BL-36
BN-1 thru BN-1
BT-1 thru BT-22

Description	Idx	Part Number
Elbow, Stack Hose	N/A	101-910204-11AWL 1 2 3
Hose, Exhaust Stack	N/A	101-9048-21AWL 1 2 3
Stack, LH	2	101-950018-21AWL 5 9 10 12
		101-950019-47AWL 7 9 10
		101-950023-1AWL 7 9 10
		130-950001-39AWL 1 2 3
Stack, RH	1	101-950018-23AWL 2 4 6 9 11 13
		101-950019-49AWL 2 4 8 9 11
		101-950023-3AWL 2 4 8 9 11
		130-950001-41AWL 2 3

Notes:
1 Models 200 S/N BB-2 thru BB-853, BB-871 thru BB-873, BB-892 thru BB-893,200C,200CT,200T only
2 Except S/N BB-734, BB-793, BB-829
3 With or without STC SA10737SC or SA10824SC
4 S/N BB-2 thru BB853 w/ or w/o STC SA10737SC or SA10824SC
5 This exhaust may also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97, 78-00-00-10,AF78-00-00-10
6 May also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-60, 101-950016-25,-43,-69,-75,-83,-99, 78-00-00-20,AF78-00-00-20
7 May also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97, 101-950018-13,-21
8 May also replace the following exhaust stacks when combined with a Flow Thru Style Heated Lip: 101-950001-60, 101-950016-25,-43,-69,-75,-83,-99, 101-950018-15,-23
9 Compatible Flow Thru Style Heated Lips: Intake Lips modified by Beech Kit 101-9048 or Acorn Welding REO C-RA12-167, Intake Lips previously modified by Butterfield Industries BI-1001-1 or Raisbeck Engineering BI-1001-1 and modified by Acorn REO C-RA12-167
10 Upper Cowlings will require modification when replacing the following exhaust stacks: 101-950001-59, 101-950016-23,-41,-67,-73,-81,-97
11 Upper Cowlings will require modifications when replacing the following exhaust stacks: 101-950001-60, 101-950016-25,-43,-69,-75,-83,-99
12 Must be used with 101-950018-23AWL
13 Must be used with 101-950018-21AWL





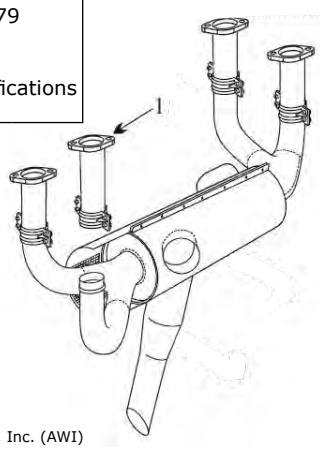
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

23,A23,A23A,B23,C23
S/N M-1 thru M-2392

Description	Idx	Part Number
Clamp, Riser	N/A	A0750161-25 1 3 5
Riser	1	A099001-120 2 4

Notes:
1 Models 23 S/N M-125 and on, A23,A23A,B23,C23 S/N M-1285 thru 1979
2 Models B23 S/N M-1143,M-1155,M-1235 and on, C23 S/N M01285 thru M-1979
3 Excludes S/N M-1974
4 Excludes S/N M-1921
5 Must be a stock aircraft. No modifications or Supplemental Type Certificates.

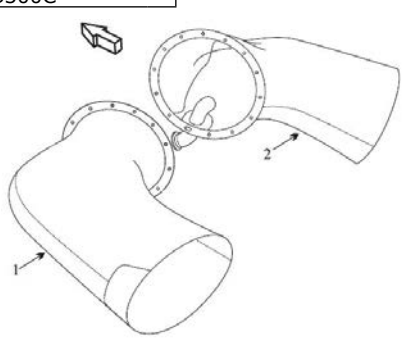


Manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

300,300LW,B300,B300C
S/N FA-1 thru FA-230
FF-1 thru FF-19
FL-1 thru FL-9999
FM-1 thru FM-9999
FN-1

Description	Idx	Part Number
Stack, LH	1	101-950017-101AWL 1
		130-950001-29AWL 1
Stack, RH	2	101-950017-103AWL 1
		130-950001-31AWL 1

Notes:
1 Models 300 S/N FA-2 thru FA-224, FF-1 and on, 300LW,B300,B300C

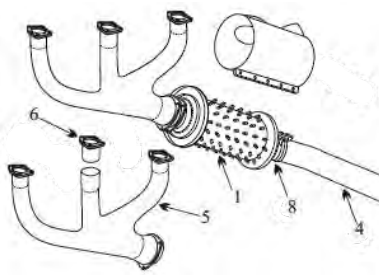


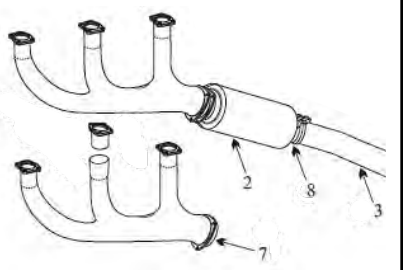
Manufactured by Acorn Welding, Ltd.

35-33,35-A33,-B33,-C33,-C33A, E33,E33A,C,F33,F33A,C,G33
S/N CD-1 thru CD-1304
CE-1 thru CE-9999
CJ-1 thru CJ-9999

Description	Idx	Part Number
Clamp, w/hardware	8	A35-950004-17 5
Muffler, LH/RH	N/A	A189 1 7
Muffler, LH	2	701-20AWL 6 11
	2	A701-20 4 11
	2	A701-4 3 12
Muffler, RH	2	701-21AWL 6
	1	A701-19 6 10
	1	A701-5 6 9
Riser, LH Center	N/A	35-950005-43AWL 5
Riser, RH Center	6	35-950005-63AWL 5 8
Stack, LH	7	35-950005-37AWL 6
		A35-950005-37M 5
Stack, LH, High Performance	7	A35-950005-37HP 5 8
Stack, RH	5	35-950005-39AWL 6
	5	A35-950005-39M 5
Stack, RH, High Performance	5	A35-950005-39HP 5 8
Tailpipe, LH, Angle Cut	N/A	A35-950005-61 5
	N/A	35-950005-61AWL 2
Tailpipe, RH, Angle Cut	N/A	A35-950005-57 5
	N/A	35-950005-57AWL 5
Tailpipe, LH, Straight Cut	3	A35-950005-11 2
		35-950005-11AWL 5
Tailpipe, RH, Straight Cut	4	A35-950005-9 2
		35-950005-9AWL 5

Notes:
1 35-A33 S/N CD-225 thru CD-232,CD-235, CD-237 thru CD-240,CD-242 thru CD-245, CD-251 thru CD-387, 35-B33,35-C33,E33,F33 only
2 35-C33A,E33A,C,F33C Only
3 F33A S/N CE-290 thru CE-470, F33C S/N CJ-26 thru CJ-51,G33
4 F33A S/N CE-471 and on,F33C S/N CJ-52 and on
5 F33A,F33C only
6 F33A,F33C,G33 only
7 Except S/N CD-982
8 Must purchase both LH and RH exhaust collectors when upgrading to High Performance
9 Riser 35-950005-43AWL required with purchase
10 Riser 35-950005-63AWL required with purchase
11 Inconel Cone
12 Stainless Steel Cone





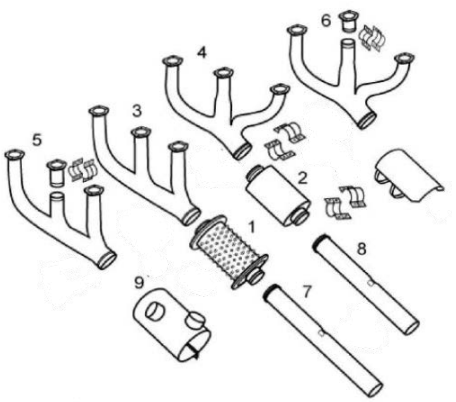
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

H35,J35,K35,M35,N35,P35
S/N D-4866 thru D-7108

Description	Idx	Part Number
Clamp, w/hardware	9	A35-950004-17
Muffler, LH	2	701-20AWL
Muffler, RH	1	701-21AWL
Muffler, LH, Fixed	1	492-43AWL 3
		A492-43 3
Muffler, RH, Fixed	2	492-27AWL 3
		A492-27 3
Riser, LH Center	3	35-950005-43AWL
Riser, RH Center	4	35-950005-63AWL
Stack, LH	5	35-950005-37AWL 1
Stack, RH	6	35-950005-39AWL 2
Tailpipe, LH, Fixed	7	35-950004-7AWL 3
		A35-950004-7 3
Tailpipe, RH, Fixed	8	35-950004-9AWL 3
		A35-950004-9 3

Notes:
1 35-950005-43AWL required w/ purchase
2 35-950005-63AWL required w/ purchase
3 Must be used with Fixed Collector only



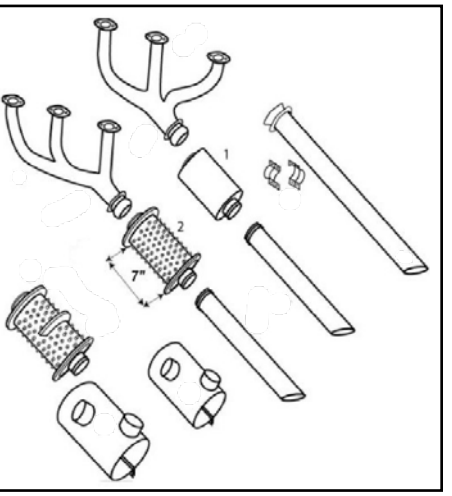
"A" prefix are manufactured by AWI
"AWL" suffix are manufactured by Acorn Welding, Ltd.

35,A35,B35,C35,D35,E35,F35,G35
S/N D-1 thru D-4865

Description	Idx	Part Number
Muffler, LH	2	A186 1 2
Muffler, RH	1	A189 1 2

Notes:
1 35,A35,B35,C35,D35,E35,F35, G35 only
2 Except S/N D-3293 or D-4376

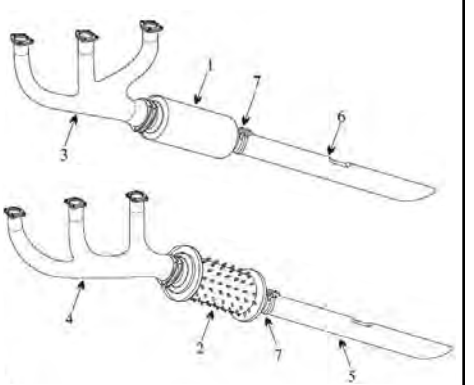
Manufactured by AWI



P35
S/N D-7109 thru D-7309

Description	Idx	Part Number
Clamp, w/ hardware	7	A35-950004-17
Muffler, RH	1	701-20AWL
Muffler, LH	2	701-21AWL
Riser, LH Center	4	35-950005-43AWL
Riser, RH Center	3	35-950005-63AWL
Stack, LH	N/A	35-950005-37AWL 1
Stack, RH	N/A	35-950005-39AWL 2
Tailpipe, LH, Fixed	5	35-950004-7AWL 3
		A35-950004-7 3
Tailpipe, RH, Fixed	6	35-950004-9AWL 3
		A35-950004-9 3

Notes:
1 35-950005-43AWL required w/ purchase
2 35-950005-63AWL required w/ purchase
3 Must be used with Fixed Collector only

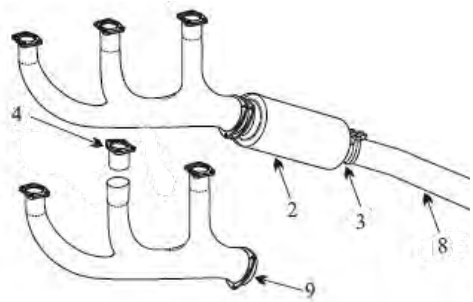


"A" prefix are manufactured by AWI
"AWL" suffix are manufactured by Acorn Welding, Ltd.

S35,V35,V35A,V35B
S/N D-7310 thru D-9999

Description	Idx	Part Number
Clamp, w/hardware	3	A35-950004-17 1
Muffler, LH	2	A701-4 2 6
		A701-20 5
		701-20AWL 5
Muffler, RH	1	A701-5 2 6
		A701-19 5
		701-21AWL 5
Riser, LH Center	4	35-950005-43AWL
Riser, RH Center	6	35-950005-63AWL
Stack, LH	9	35-950005-37AWL 3
		A35-950005-37M
Stack, RH	5	35-950005-39AWL 4
		A35-950005-39M
Stack, LH, High Performance	9	A35-950005-37HP 7
Stack, RH, High Performance	N/A	A35-950005-39HP 7
Tailpipe, LH, Angle Cut	N/A	A35-950005-61
	N/A	35-950005-61AWL
Tailpipe, RH, Angle Cut	N/A	A35-950005-57
	N/A	35-950005-57AWL
Tailpipe, LH, Straight Cut	8	A35-950005-11
		35-950005-11AWL
Tailpipe, RH, Straight Cut	7	A35-950005-9
		35-950005-9AWL

Notes:
1 S35,V35B S/N D-9069 thru D-9551 only
2 S35,V35,V35A,V35B S/N D-9069 thru D-9551 only
3 Riser 35-950005-43AWL required with purchase
4 Riser 35-950005-63AWL required with purchase
5 Inconel Cone
6 Stainless Steel Cone
7 Must purchase both LH and RH exhaust collectors when upgrading to High Performance



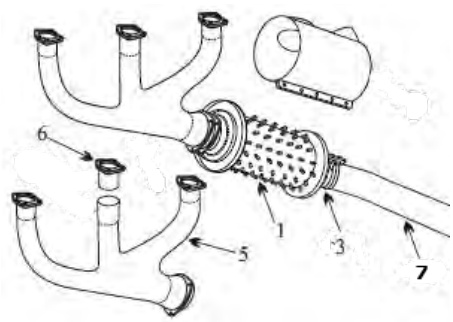
36,A36,G36
S/N E-1 thru E-9999

Description	Idx	Part Number
Clamp, w/hardware	3	A35-950004-17
Muffler, LH	2	701-20AWL 3
		A701-20 1 3
Muffler, RH	1	701-21AWL 3
		A701-19 1 3
Riser, LH Center	4	35-950005-43AWL
Riser, RH Center	6	35-950005-63AWL
Stack, LH	9	35-950005-37AWL 4
		A35-950005-37M 2
Stack, RH	5	35-950005-39AWL 5
		A35-950005-39M 2
Stack, LH, High Performance	9	A35-950005-37HP 2 6
Stack, RH, High Performance	N/A	A35-950005-39HP 2 6
Tailpipe, LH, Angle Cut	N/A	A35-950005-61
	N/A	35-950005-61AWL
Tailpipe, RH, Angle Cut	N/A	A35-950005-57
	N/A	35-950005-57AWL
Tailpipe, LH, Straight Cut	8	A35-950005-11
		35-950005-11AWL
Tailpipe, RH, Straight Cut	7	A35-950005-9
		35-950005-9AWL

Notes:
1 Model 36 only
2 Models 36,A36 only
3 Inconel Cone
4 Riser 35-950005-43AWL required with purchase
5 Riser 35-950005-63AWL required with purchase
6 Must purchase both LH and RH exhaust collectors when upgrading to High Performance

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

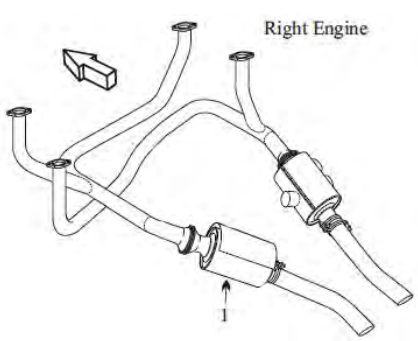


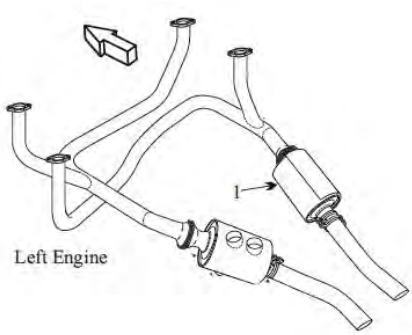
95,B95,B95A
S/N TD-2 thru TD-533

Description	Idx	Part Number
Muffler, Inboard	1	A189

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.





1900,1900C,D
S/N UA-2 thru UA-3
UB-1 thru UB-74
UC-1 thru UC-174
UD-1 thru UD-6
UE-1 thru UE-439

Description	Idx	Part Number
Stack, LH Inboard	N/A	118-950023-45AWL 1
Stack, RH Outboard	N/A	118-950023-47AWL 1
Stack, LH Inboard/RH Outboard	N/A	129-950020-11AWL 2
Stack, RH Inboard/LH Outboard	N/A	129-950000-15AWL 2
	N/A	118-950023-43AWL 1
Reinforcement Doubler	N/A	129-950033-1AWL

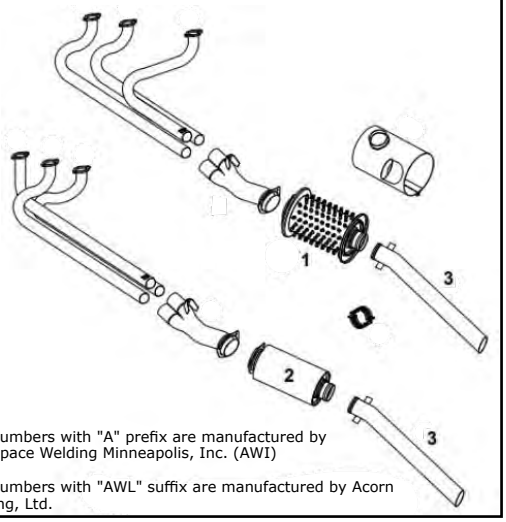
Notes:
1 Models 1900 S/N UA-3,1900C
2 Model 1900D only

Manufactured by Acorn Welding

Cirrus SR20
S/N 1423 and on

Description	Idx	Part Number
Heat Exchanger	1	A20559-002 [1]
		A20559-004 [3]
Muffler	2	A20560-001
Tailpipe	3	A20556-002 [2]

Notes:
[1] S/N 1423 thru 1885 only
[2] S/N 1424 and on only
[3] S/N 1886 and on only



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

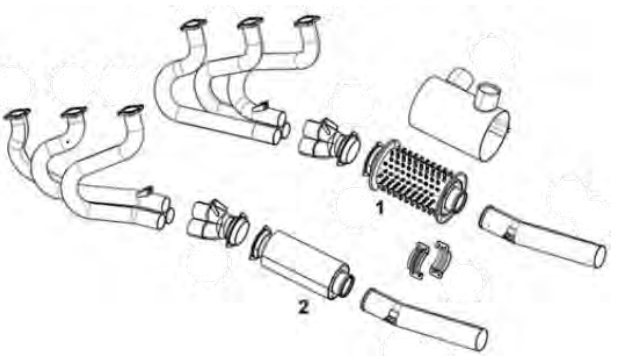
Cirrus SR22
S/N 0320 and on

Description	Idx	Part Number
Heat Exchanger	1	A14837-001 [1]
		A21892-001 [2]
Muffler	2	A14836-001

Notes:
[1] S/N 0320 thru 2437 only
[2] S/N 2437 and on only

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.



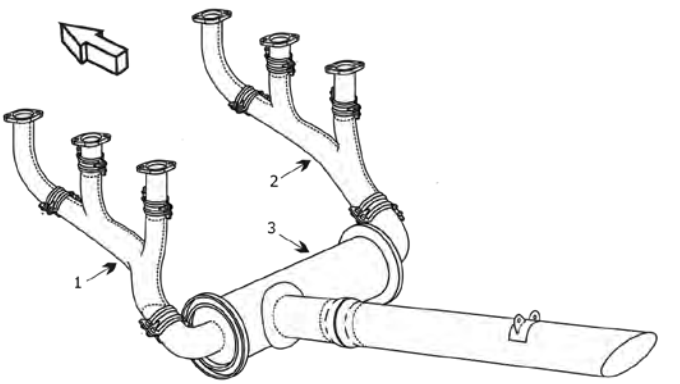
Robinson R44
S/N 0002 thru 9999

Description	Idx	Part Number
Collector, LH	1	C169-5AWL
Collector, RH	2	C169-6AWL
Muffler	3	C169-3AWL
	N/A	C169-32AWL [1]

Notes:
[1] Robinson R44 Raven II only

Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

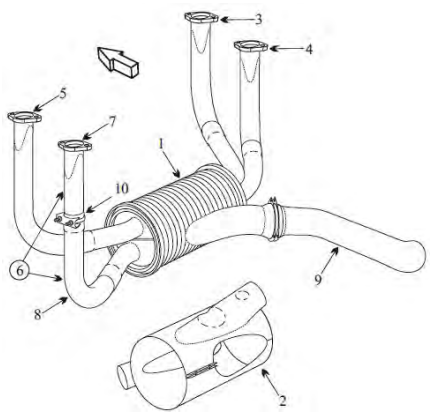
Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.



Mooney M20E
S/N 101 thru 469
470 thru 1308
21-0001 thru 21-1180
670001 thru 670062
690001 thru 690073
700001 thru 700061

Description	Idx	Part Number
Muffler	1	A630045-503 [1]
Riser, LH Aft	6	A630053-513 [1]
Riser, LH Aft Lower	8	A630053-015 [1]
Riser, LH Aft Upper	7	A630053-013 [1]
Riser, RH Aft	4	A630053-507 [1]
Riser, LH Fwd	5	A630053-509 [1]
Riser, RH Fwd	3	A630053-511 [1]
Tailpipe	9	A630056-501

Notes:
[1] S/N 101 thru 400,470 thru 1217,1219, 1221, 1223 thru 1308, 21-0001 thru 21-1180, 670001 thru 670062,690001 thru 90073, 700001 thru 700043, 700045 thru 700052, 700055 thru 700056,700060 thru 700061

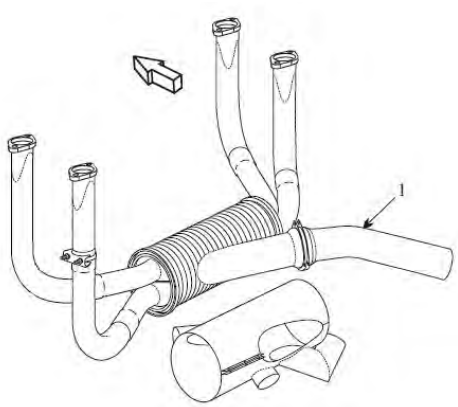


Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Mooney M20C,G
S/N 20-0001 thru 20-1258
2807 thru 3466
670001 thru 670149
680001 thru 680198
700001 thru 700091
680001 thru 680164

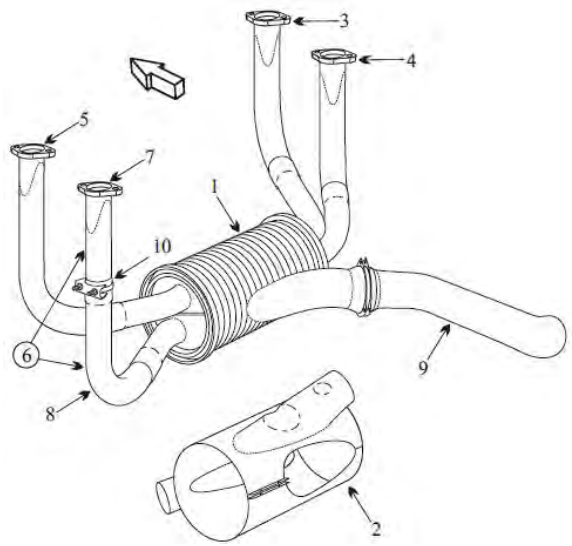
Description	Idx	Part Number
Tailpipe	1	A630066-000



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Mooney M20J S/N 24-0002 thru 24-3431		
Description	**Idx**	**Part Number**
Muffler	1	A630045-503
Riser, LH Aft	6	A630053-513
Riser, LH, Aft Lower	8	A630053-015
Riser, LH, Aft Upper	7	A630053-013
Riser, RH Aft	4	A630053-507
Riser, LH Fwd	5	A630053-509
Riser, RH Fwd	3	A630053-511
Tailpipe	9	A630056-501



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

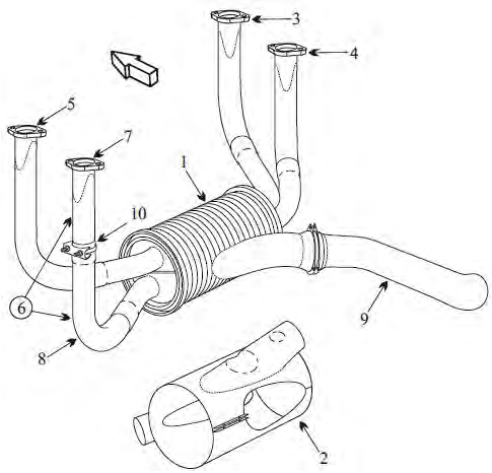
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.../products/category/exhaust-system/

Mooney M20F S/N 22-0001 thru 22-1439 660002 thru 660004 670001 thru 670539 680001 thru 680206 690001 thru 690092 700001 thru 700061		
Description	**Idx**	**Part Number**
Muffler	1	A630045-503 [1]
Riser, LH Aft	6	A630053-513 [1]
Riser, LH Aft Lower	8	A630053-015 [1]
Riser, LH Aft Upper	7	A630053-013 [1]
Riser, RH Aft	4	A630053-507 [1]
Riser, LH Fwd	5	A630053-509 [1]
Riser, RH Fwd	3	A630053-511 [1]
Tailpipe	9	A630056-501

Notes:

[1] S/N 22-0001 thru 22-1439, 660002 thru 660004, 670001 thru 6700363, 670365 thru 670385, 670387 thru 670482, 670484 thru 670539, 680001 thru 680206, 690003 thru 690090, 690092, 700001 thru 700061, 700063 thru 700066, 700070 thru 700072



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Grumman AA-1,AA-1A,AA-1B,AA-1C,AA-5, AA-5A,AA-5B,GA-7 S/N AA1-0433 and On AA1A-0001 and On AA1B and On AA1B-0601 and On AA5-0001 and On AA5A-0283 and On AA5B-0001 and On		
Description	**Idx**	**Part Number**
Clamp, w/hardware	1	A0750161-25 [3]
Riser, Curved	N/A	A099005-184 [2]
Riser, Straight	2	A099001-102 [1]

Notes:

[1] S/N AA1-0001 thru AA1-0459, AA1A-0001 thru AA1-0470, AA-1B All, AA-1C All, S/N AA5-0001 thru AA5-0640, AA-5A All, AA-5B All

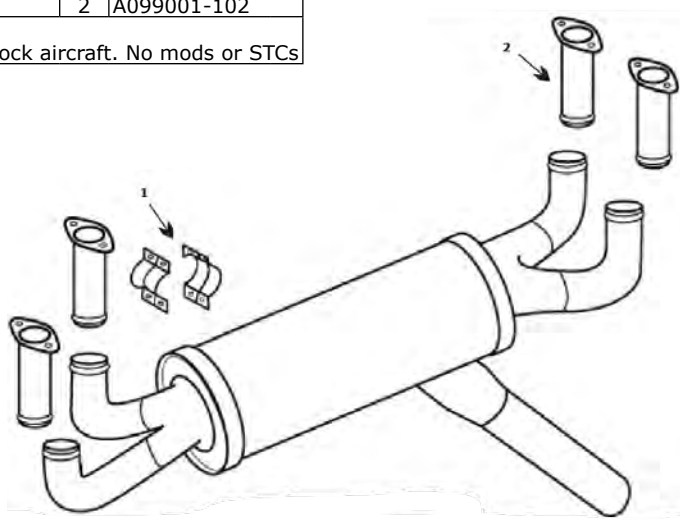
[2] Model AA-5B Only

[3] Must be a stock aircraft. No mods or STCs.

Aero Commander 100-180 S/N 5001 and On		
Description	**Idx**	**Part Number**
Clamp, w/hardware	1	A0750161-25 [1]
Riser, Straight	2	A099001-102

Notes:

[1] Must be a stock aircraft. No mods or STCs



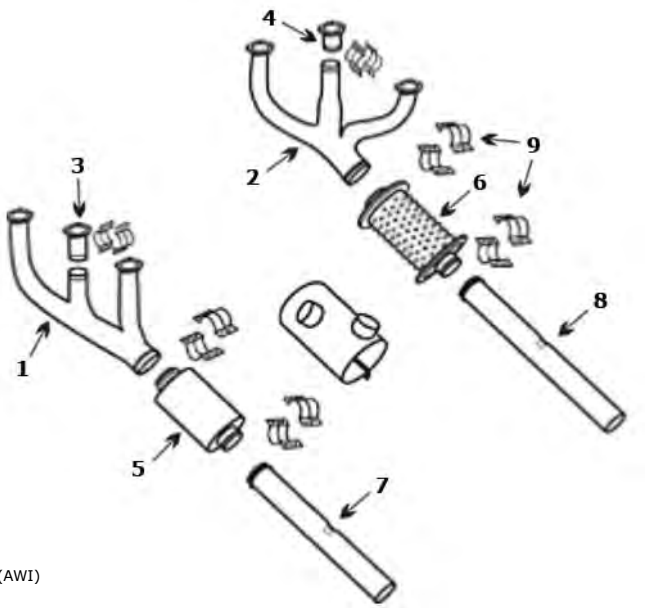
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Navion (Army L-17A),Navion 16A, Navion A,B,D,E,F,G,H
S/N NAV-4-2 and On
NAV-4-2B and On
NAV-4-2351G and On
NAV-4-2500T and On

Description	Idx	Part Number
Clamp, w/hardware	9	A35-950004-17
Muffler, LH	5	A701-4
Muffler, RH	6	A701-5
Stack, LH	1	A35-950005-37M
Stack, RH	2	A35-950005-39M
Stack, LH, High Performance	1	A35-950005-37HP [1]
Stack, RH, High Performance	2	A35-950005-39HP [1]
Tailpipe, LH, Angle Cut	8	A35-950005-61
Tailpipe, RH, Angle Cut	7	A35-950005-57
Tailpipe, LH, Straight Cut	8	A35-950005-11
Tailpipe, RH, Straight Cut	7	A35-950005-9

Notes:
[1] Must purchase both LH and RH exhaust collectors when upgrading to High Performance



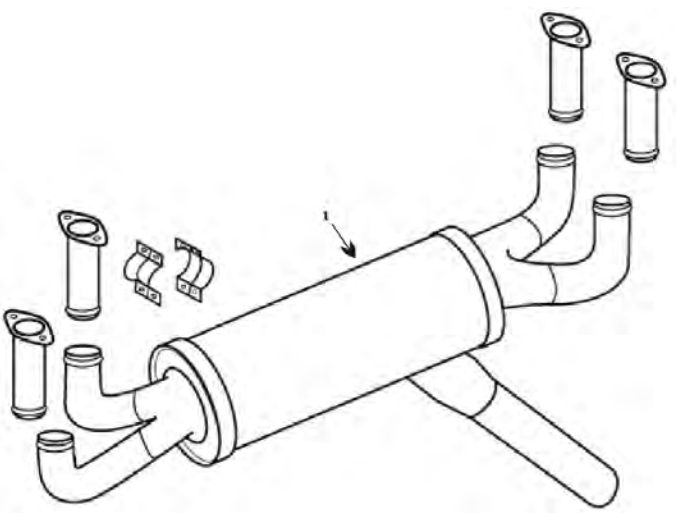
Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

Champion/Aeronca 7GCAA,7GCBC,7KCAB,8KCAB
S/N All

Description	Idx	Part Number
Muffler	1	A099001-190 [1] [3]
		A099001-193 [2] [3]

Notes:
[1] Models 7GCAA, 7GCB, 7KCAB only
[2] Model 8KCAB only
[3] Partial eligibility. See www.mcfarlaneaviation.com for full eligibility

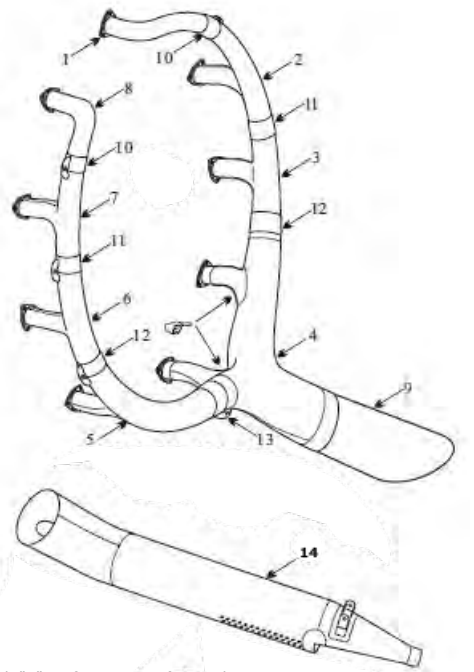


Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

De Havilland DHC-2 Mk 1
S/N All

Description	Idx	Part Number
Cylinder #1, Exhaust Segment	1	C2EE243AWL
Cylinder #2, Exhaust Segment	2	C2EE245AWL
Cylinder #3, Exhaust Segment	3	C2EE247AWL
Cylinder #4/5, Exhaust Segment	4	C2EE249AWL
Cylinder #6, Exhaust Segment	5	C2EE251AWL
Cylinder #7, Exhaust Segment	6	C2EE253AWL
Cylinder #8, Exhaust Segment	7	C2EE255AWL
Cylinder #9, Exhaust Segment	8	C2EE257AWL
Extension Pipe	9	C2EE261AWL
Heater Pipe Assembly	14	C2EE281AWL
Sleeve, Cylinder #1/2/8/9	10	C2EE359AWL
Sleeve, Cylinder #2/3/7/8	11	C2EE363AWL
Sleeve, Cylinder #3/4/6/7	12	C2EE367AWL
Sleeve, Cylinder #5/6	13	C2EE371AWL



Part numbers with "A" prefix are manufactured by AeroSpace Welding Minneapolis, Inc. (AWI)

Part numbers with "AWL" suffix are manufactured by Acorn Welding, Ltd.

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Cessna 150, 152, 170, 172, 175, 177, 182 and 185



Why not just repair my valve?

Many of the original valves have too much damage to be repaired cost-effectively. The original Cessna fuel valve that started in model 170 was a simple but ingenious cam ball design that has proven very reliable over the years. We have repaired a lot of these original Cessna valves, and we know them well. However, we are now rejecting a big percentage of the valve cores sent to us. A lot of them have corrosion damage in the main body that is too severe to fix, or the O-ring retention area is damaged and too rough to seal. Many of the fittings are corroded through. The cam bearing is brass and easily corrodes the aluminum alloy cam. Due to the poor condition of many original valves, McFarlane developed a totally new valve that was ***designed just like the original valve but with improvements where needed.***

Better Corrosion Resistance

McFarlane's new fuel valves are totally anodized where the original valves were Alodine® conversion coated. This change drastically improves the surface durability, wear resistance, and corrosion resistance of all the components! Corrosion protection is important since the valves are at the lowest point in the fuel system without any upstream water separation or contaminate screening. We have also eliminated the brass bushing that corrodes the cam.

Improved O-ring Retention

Modern machining processes lets us precision machine the O-ring capture cavity. The original valve O-rings were retained by staking (stamp forming) the housing. This process was inconsistent at best and distressed and weakened the surrounding aluminum structure.

More Balanced Fuel Flow

Yesterday's manual machining process of the original fuel valves were often inconsistent enough to let one port flow more fuel than needed while the other port might flow a very marginal amount of fuel. Our new and improved McFarlane valves are computer machined for a perfect balance of fuel flow.

You can rest assured that if it's our new McFarlane valve or repaired by us, it will be pressure, functional, and flow tested!
Now for more good news! All the improved parts in our new valve are ***interchangeable with the original Cessna valve.*** This means that if your valve is in good condition (with the exception of a few parts), we can fix it at a reasonable price! Whether you need your valve overhauled or a new valve, we will save you money.

Fuel Valve Repair Kits, Seal Kits, Gaskets, Fittings, and O-rings

Repair Kits
P/Ns FSO-KT-1 thru FSO-KT-24



- Contains all required hardware to reseal and perform a repair
- Seals, springs, O-rings, roll pins, washers, screws, balls and plug
- FSO-KT-1 for 0716613 series valves includes the parts contained in Cessna P/N 0716613-200 and -201 seal kits plus additional hardware required for a basic repair
- All parts are FAA approved or certified industry standard hardware.

Many Cessna Fuel Valves (including 0716613 series) require special tools and processes for reassembly.
It's often more cost effective to have McFarlane overhaul your valve.

Seal Kits
P/Ns FSS-KT-1 thru FSS-KT-20
Only McFarlane has FAA approval to replace old, less fuel resistant O-rings with the latest fuel-proof fluorocarbon O-rings!

- Includes all necessary O-rings and/or gaskets applicable to specific single engine Cessna aircraft models
- Replace old MS or NAS series O-rings with Fluorocarbon for improved fuel and heat resistance
- Cork/Rubber gaskets meet tough government standards for fuel resistance

Gaskets, Fittings and O-rings



- Gaskets are available individually or as convenient kits
- O-rings are available in quantities of 10 each or as convenient kits!
- Commonly replaced AN fittings in stock!
- 45° plug P/N AN823-8D and 90° plug P/N MS20822-8D



Replacement Parts

- Complete line of replacement parts for Cessna fuel valves
- Detent plates, springs, plastic seals, cams and more in-stock!
- Common components for McFarlane and Cessna valves on following pages

Critial ordering tip: on models 172M and F172M, (S/Ns 17260759 thru 17267584, and F17200905 thru F17201514) that before ordering, you should identify the detent housing style of your current fuel valve. Order either MC0513120-8 or MC0513120-200 based on the style installed on your aircraft.

MC0513120-8 *MC0513120-200*



Cessna Fuel Selector and Shut Off Valves and Kits

		Fuel Selector Valve			Fuel Shut-Off Valve		
Model	**Serial Number**	**McF P/N 5**	**Seal Kit**	**Repair Kit**	**McF P/N 5**	**Seal Kit**	**Repair Kit**
120,140	8001 thru 15075	0411716S, 08HD1/4X1/4X1S					
140A	15200 thru 15724	0413020-3S					
150 1	17001 thru 17769				0411803-2S, 9851078-2 3		
150 1, 150A,B,C,D,E,F,G	17770 thru 15067198	MC9851078-4 ***New!***			0411803-5S 0411803-6S		
150H,J,K,L 1	15067199 thru 15073658	MC9851078-4 ***New!***			0411803-6S		
150L 1,M 1	15073659 thru 15078505	MC9851078-4 ***New!***			0411803-8S		
150M 1	15078506 thru 15079405	MC9851070-2 ***New!***			9851070-2S	FSS-KT-1	FSO-KT-2
A150K,L 1	A1500001 thru A1500342	MC9851078-4 ***New!***			0411803-6S		
A150L 1	A1500343 thru A1500523	MC9851078-4 ***New!***			0411803-8S		
A150L 1,M 1	A1500524 thru A1500684	MC9851078-4 ***New!***			0411803-8S		
A150M 1	A1500685 thru A1500734	MC9851070-2 ***New!***			9851070-2S	FSS-KT-1	FSO-KT-2
A-A150L 1	A-A1500001 thru A-A1500006				0411803-6S		
A-A150L 1	A-A1500007 thru A-A1500009				0411803-8S		
F150F,G,H,J,K,L 1	F150-0001 thru F15000863	MC9851078-4 ***New!***			0411803-6S		
F150L 1,M 1	F15000864 thru F15001338	MC9851078-4 ***New!***			0411803-8S		
F150M 1	F15001339 thru F15001428	MC9851070-2 ***New!***			9851070-2S	FSS-KT-1	FSO-KT-2
FA150K,L 1	FA1500001 thru FA1500166	MC9851078-4 ***New!***			0411803-6S		
FA150L 1,M 1	FA1500167 thru FA1500311	MC9851078-4 ***New!***			0411803-8S		
FA150M 1	FA1500312 thru FA1500336	MC9851070-2 ***New!***			9851070-2S	FSS-KT-1	FSO-KT-2

1 Partial model eligibility
2 Use FSS-KT-3 and FSO-KT-8 if equipped with air conditioner
3 Part number listed for reference only
4 The detent housing type must be verified by our technician before purchasing exchange unit from our stock. Please call 888-624-3153.
5 The "S", "SF" or "SP" suffix indicates a McFarlane repaired valve. The applicable Cessna part number is the McFarlane part number without the suffix. Reference the Cessna part number for all maintenance procedures.
6 FSO-KT-4 only works with valve S1903-2S
7 It is critical on model 172M, S/N 17260759 thru 17267584 that before ordering you identify the detent housing style your fuel valve has. See pictures at the top of the page.

MC prefix P/Ns will be a new McFarlane manufactured part

Eligibility continued on next page

Cessna Fuel Selector and Shut Off Valves and Kits continued from previous page

		Fuel Selector Valve			Fuel Shut-Off Valve		
Model	**Serial Number**	**McF P/N [5]**	**Seal Kit**	**Repair Kit**	**McF P/N [5]**	**Seal Kit**	**Repair Kit**
FRA150L[1]	FRA1500121 thru FRA1500166				0411803-6S		
FRA150L[1],M[1]	FRA1500167 thru FRA1500311				0411803-8S		
FRA150M[1]	FRA1500312 thru FRA1500336				9851070-2S	FSS-KT-1	FSO-KT-2
152/A152/ F152/FA152	All	MC9851070-2 ***New!***			9851070-2S	FSS-KT-1	FSO-KT-2
170[1]	18003 thru 18573	0511122S [3]					
170[1]	18574 thru 18729	0511160S					
170A,B[1]	18730 thru 20285	0413020-3S					
170B[1]	20286 thru 27169	MC0513120-5	FSS-KT-2	FSO-KT-17			
172, 172A,B,C	28000 thru 17249544	MC0513120-5	FSS-KT-2	FSO-KT-17			
172D,E	17249545 thru 17251822	MC0513120-6	FSS-KT-2	FSO-KT-17			
172F,G,H,I,K,L,M[1]	17251823 thru 17263458	MC0513120-8[7]	FSS-KT-2	FSO-KT-17			
172M[1]	17263459 thru 17267584	MC0513120-200[7]	FSS-KT-2	FSO-KT-17			
172N,P[1]	17267585 thru 17275034	9851067-4S	FSS-KT-5	FSO-KT-13			
172P[1], Q	17275035 thru 17276259	9851096-2S, 9851096-5S	FSS-KT-4[2]	FSO-KT-7[2]			
172P[1]	17276260 thru 17276654	9851096-5S	FSS-KT-4[2]	FSO-KT-7[2]			
172R,S	17280001 & On, 172S8001 & On	9851096-5S	FSS-KT-4	FSO-KT-7	S1903-2		
172RG[1]	172RG0001 thru 172RG0890	9851067-7S	FSS-KT-4	FSO-KT-15			
172RG[1]	172RG0891 thru 172RG1177	9851096-2S, 9851096-5S	FSS-KT-4	FSO-KT-7			
172RG[1]	172RG1178 thru 172RG1191	9851096-5S	FSS-KT-4	FSO-KT-7			
F172D,E	F172-0001 thru F172-0085	MC0513120-6	FSS-KT-2	FSO-KT-17			
F172F,G,H,K,L,M[1]	F172-0086 thru F17201234	MC0513120-8[7]	FSS-KT-2	FSO-KT-17			
F172M[1]	F17201235 thru F17201514	MC0513120-200[7]	FSS-KT-2	FSO-KT-17			
F172N,P[1]	F17201515 thru F17202134	9851067-4S	FSS-KT-5	FSO-KT-13			
F172P[1]	F17202135 thru F17202254	9851096-2S, 9851096-5S	FSS-KT-4[2]	FSO-KT-7[2]			
FR172E,F,G,H,J[1]	FR17200001 thru FR17200390	MC0513120-8	FSS-KT-2	FSO-KT-17	0716111-1SF	FSS-KT-16	FSO-KT-3
FR172J[1]	FR17200391 thru FR17200530	MC0513120-8	FSS-KT-2	FSO-KT-17	0716111-2S[3]		
FR172J[1]	FR17200531 thru FR17200590	MC0513120-200	FSS-KT-2	FSO-KT-17			
R172K, FR172K	All	MC0513120-200	FSS-KT-2	FSO-KT-17	0716109-1S	FSS-KT-17	FSO-KT-5
P172/FP172	All	MC0513120-6	FSS-KT-2	FSO-KT-17			
175, 175A,B	All	MC0513120-5	FSS-KT-2	FSO-KT-17			
175C	17557003 thru 17557119	MC0513120-6	FSS-KT-2	FSO-KT-17			
177,177A,B	All	MC0513120-9	FSS-KT-2	FSO-KT-17	S1903-1S	FSS-KT-16	FSO-KT-4
177RG[1]	177RG0001 thru 177RG0282				0716111-4S, S1903-2S	FSS-KT-16	FSO-KT-4[6]
177RG[1]	177RG0283 thru 177RG0314	MC0716613-4	FSS-KT-18	FSO-KT-1			
177RG[1]	177RG0315 thru 177RG1051	MC0716613-5	FSS-KT-18	FSO-KT-1			
177RG[1]	177RG1052 thru 177RG1366	9851067-6S	FSS-KT-5	FSO-KT-13			
F177RG[1]	F177RG0001 thru F177RG0062				0716111-4S, S1903-2S	FSS-KT-16	FSO-KT-4[6]
F177RG[1]	F177RG0063 thru F177RG0077	MC0716613-4	FSS-KT-18	FSO-KT-1			

[1] Partial model eligibility
[2] Use FSS-KT-3 and FSO-KT-8 if equipped with air conditioner
MC prefix P/Ns will be a new McFarlane manufactured part
[3] Part number listed for reference only
[4] The detent housing type must be verified by our technician before purchasing exchange unit from our stock. Please call 888-624-3153.
[5] The "S", "SF" or "SP" suffix indicates a McFarlane repaired valve. The applicable Cessna part number is the McFarlane part number without the suffix. Reference the Cessna part number for all maintenance procedures.
[6] FSO-KT-4 only works with valve S1903-2S
[7] It is critical on model 172M, S/N 17260759 thru 17267584 that before ordering you identify the detent housing style your fuel valve has. See pictures at the top of page 162.
[8] For aircraft flared threads use P/N 0716111-1SF. For aircraft with pipe threads use P/N 0716111-1SP

Eligibility continued on next page

Cessna Fuel Selector and Shut Off Valves and Kits continued from previous page

		Fuel Selector Valve			Fuel Shut-Off Valve		
Model	**Serial Number**	**McF P/N[4]**	**Seal Kit**	**Repair Kit**	**McF P/N[4]**	**Seal Kit**	**Repair Kit**
F177RG[1]	F177RG0078 thru F177RG0160	MC0716613-5	FSS-KT-18	FSO-KT-1			
F177RG[1]	F177RG0161 thru F177RG0177	9851067-6S	FSS-KT-5	FSO-KT-13			
F177RG[1]	F177RG0161 thru F177RG0177	9851067-6S	FSS-KT-5	FSO-KT-13			
180,180A,B,C, D,E,F,G,H,J	30000 thru 18052770	0311070-1S	FSS-KT-6	FSO-KT-16			
180K	18052771 thru 18053203	9851067-5S	FSS-KT-5	FSO-KT-13			
182,182A,B,C,D	33000 thru 18253598	0311070-1S	FSS-KT-6	FSO-KT-16			
182E,F,G,H,J, K,L,M,N,P	18253599 thru 18265175	MC0716613-1	FSS-KT-18	FSO-KT-1			
182Q,R[1]	18265176 thru 18268055	9851067-5S	FSS-KT-5	FSO-KT-13			
182R[1]	18268056 thru 18268434	9851096-1S	FSS-KT-5	FSO-KT-6			
182R[1], 182S	18268435 and On	9851096-3S	FSS-KT-7	FSO-KT-9			
182T	18280945 thru 18299999	9851116-1S, 9851116-2S	FSS-KT-8	FSO-KT-23			
A182J,K,L,N[1]	A182-0001 thru A182-0148	0716613-1S	FSS-KT-18	FSO-KT-1			
F182P	F18200001 thru F18200025	MC0716613-1	FSS-KT-18	FSO-KT-1			
F182Q	F18200026 thru F18200169	9851067-5S	FSS-KT-5	FSO-KT-13			
FR182	FR18200001 thru FR18200070	9851067-4S	FSS-KT-5	FSO-KT-13			
R182[1],TR182[1]	R18200001 thru R18201798	9851067-4S	FSS-KT-5	FSO-KT-13			
	R18201799 thru R18201999	9851096-2S	FSS-KT-4	FSO-KT-7			
	R18201799 thru R18202041	9851096-5S	FSS-KT-4	FSO-KT-7			
T182[1]	18267716 thru 18268055	9851067-4S	FSS-KT-5	FSO-KT-13			
	18268056 thru 18268541	9851096-2S, 9851096-5S	FSS-KT-4	FSO-KT-7			
T182T	T18208001 thru T18299999	9851116-1S, 9851116-2S	FSS-KT-8	FSO-KT-23			
185, 185A[1]	185-0001 thru 185-0413				0716109-1S	FSS-KT-17	FSO-KT-25
185A[1]	185-0414 thru 185-0512	Fuel Valve Control P/N MCS1241-1			0716111-1S[8]	FSS-KT-16	FSO-KT-3
185B	185-0513 thru 185-0653	MC0716613-3	FSS-KT-18	FSO-KT-1	0716111-1S[8]	FSS-KT-16	FSO-KT-3
		Fuel Valve Control P/N MCS1241-1					
185C	All	MC0716613-3	FSS-KT-18	FSO-KT-1	0716111-1S[8]	FSS-KT-16	FSO-KT-3
185D,E, A185E[1]	185-0777 thru 185-1300	MC0716613-3	FSS-KT-18	FSO-KT-1	0716111-1S[8]	FSS-KT-16	FSO-KT-3
					Fuel Shut Off Control P/N MCS1241-1		
A185E[1]	18501301 thru 18501599	MC0716613-4	FSS-KT-18	FSO-KT-1	0716111-1S[8]	FSS-KT-16	FSO-KT-3
					Fuel Shut Off Control P/N MCS1241-27		
	18501600 thru 18501679	MC0716613-4	FSS-KT-18	FSO-KT-1	0716111-1S[8]	FSS-KT-16	FSO-KT-3
					Fuel Shut Off Control P/N MCS1241-34		
A185E[1], A185F[1]	18501680 thru 18502310	MC0716613-4	FSS-KT-18	FSO-KT-1	0716111-1S[8]	FSS-KT-16	FSO-KT-3
A185F[1]	18502311 thru 18503153	0716613-4S	FSS-KT-18	FSO-KT-1	0716111-1SP	FSS-KT-16	FSO-KT-3
	18503154 thru 18504328	9851067-5S	FSS-KT-5	FSO-KT-13	9851070-2S	FSS-KT-1	FSO-KT-2
	18504329 thru 18504424	9851096-1S	FSS-KT-5	FSO-KT-6	9851070-2S	FSS-KT-1	FSO-KT-2
	18504425 thru 18504448	9851096-4S	FSS-KT-5	FSO-KT-6	9851070-2S	FSS-KT-1	FSO-KT-2
188,188A,B, A188,A188A,A188B Without Wing Tanks	188-0001 thru 18802348				1616016-1S[3] 1H14-2S[3]		
A188 With Wing Tanks	188-0446 thru 188-0572				0716111-1S[8]	FSS-KT-16	FSO-KT-3
A188A[1], A188B[1] With Wing Tanks	18800573 thru 18802348				0716111-5S	FSS-KT-16	FSO-KT-3
A188B[1]	18802349 thru 18802745T				0716111-5S	FSS-KT-16	FSO-KT-3
A188B[1],T188C	18802746 thru 18803974T				9851070-2S	FSS-KT-1	FSO-KT-2

[1] Partial model eligibility
[2] Use FSS-KT-3 and FSO-KT-8 if equipped with air conditioner
[3] Part number listed for reference only
[4] The detent housing type must be verified by our technician before purchasing exchange unit from our stock. Please call 888-624-3153.
[5] The "S", "SF" or "SP" suffix indicates a McFarlane repaired valve. The applicable Cessna part number is the McFarlane part number without the suffix. Reference the Cessna part number for all maintenance procedures.
[6] FSO-KT-4 only works with valve S1903-2S
[7] It is critical on model 172M, S/N 17260759 thru 17267584 that before ordering you identify the detent housing style your fuel valve has. See pictures at the top of page 162.

MC prefix P/Ns will be a new McFarlane manufactured part

Eligibility continued on next page

Cessna Fuel Selector and Shut Off Valves and Kits continued from previous page							
		Fuel Selector Valve			Fuel Shut-Off Valve		
Model	**Serial Number**	**McF P/N[4]**	**Seal Kit**	**Repair Kit**	**McF P/N[4]**	**Seal Kit**	**Repair Kit**
190[1],195[1], 195A,B	7004 thru 16083	0311070S					
	16084 thru 16183	0311070-1S	FSS-KT-6	FSO-KT-16			
210-5 (205)[1], 210-5A (205A)[1]	205-0001 thru 205-0550	1216405-1S	FSS-KT-10	FSO-KT-21			
210-5A (205A)[1]	205-0552 thru 205-0555	1216405-1S	FSS-KT-10	FSO-KT-21			
	205-0551, 205-0556 thru 205-0577	HE764S	FSS-KT-9	FSO-KT-24			
206/U206, U206A,B,C,D,E,F[1]	U206-0001 thru U20602199	C291503S	FSS-KT-11	FSO-KT-10			
TU206F[1],G[1], U206F[1],G[1]	U20602200 thru U20605919	1216100-1S, C291503-0101S	FSS-KT-11	FSO-KT-11			
TU206A,B,C,D,E,F[1]	U206-0487 thru U20602199	C291503S	FSS-KT-11	FSO-KT-10			
TU206G[1], U206G[1]	U20605920 thru U20606439	1216100-2S	FSS-KT-11	FSO-KT-11			
	U20606440 thru U20607020	1216100-1S	FSS-KT-11	FSO-KT-11			
P206,P206A,B,C,D,E	All	C291503S	FSS-KT-11	FSO-KT-10			
TP206A,B,C,D,E	All	C291503S	FSS-KT-11	FSO-KT-10			
206H,T206H	20608001 thru T20699999	9851096-5S	FSS-KT-4	FSO-KT-7			
207,T207, 207A[1],T207A[1]	20700001 thru 20700654	1216100-1S, C291503-0101S	FSS-KT-11	FSO-KT-11			
207A[1],T207A[1]	20700655 thru 20700729	1216100-2S	FSS-KT-11	FSO-KT-11			
	20700730 thru 20700788	1216100-1S	FSS-KT-11	FSO-KT-11			
210,210A	57001 thru 21057840	1216001-1S	FSS-KT-12	FSO-KT-12			
210B,C	21057841 thru 21058220	1216405-1S	FSS-KT-10	FSO-KT-21			
210D,E,F, T210F	All	HE764S	FSS-KT-9	FSO-KT-24			
210G,H,J	All	C291503S	FSS-KT-11	FSO-KT-10			
T210G,H,J	T210-0198 thru T210-0392	C291503S	FSS-KT-11	FSO-KT-10			
210K,L,M,N[1], T210K,L,M,N[1]	21059200 thru 21064535	1216100-1S, C291503-0101S	FSS-KT-11	FSO-KT-11			
210N[1],R/T210N[1],R	21064536 thru 21065009	9851110-3S	FSS-KT-15	FSO-KT-22			
P210N[1]	P21000001 thru P21000760	1216100-1S, C291503-0101S	FSS-KT-11	FSO-KT-11			
P210N[1],R	P21000761 thru P21000874	9851110-3S	FSS-KT-15	FSO-KT-22	0716111-4S		
310, 310B,C,D	35000 thru 39299	0855013-1S	FSS-KT-6	FSO-KT-18			
310F,G,H,I,J,J-1,K	310-0001 thru 310K0245	0855013-1S, 0855020-4S (Aux)	FSS-KT-6 FSS-KT-19	FSO-KT-18 FSO-KT-19			
320, 320-1, 320A,B,C	320-0001 thru 320C0073	0855013-1S 0855020-4S (Aux)	FSS-KT-6 FSS-KT-19	FSO-KT-18 FSO-KT-19			
320D	320D0001 thru 320D0130	0855020-5S	FSS-KT-20	FSO-KT-20			

[1] Partial model eligibility
[2] Use FSS-KT-3 and FSO-KT-8 if equipped with air conditioner
[3] Part number listed for reference only
MC prefix P/Ns will be a new McFarlane manufactured part
[4] The detent housing type must be verified by our technician before purchasing exchange unit from our stock. Please call 888-624-3153.
[5] The "S", "SF" or "SP" suffix indicates a McFarlane repaired valve. The applicable Cessna part number is the McFarlane part number without the suffix. Reference the Cessna part number for all maintenance procedures.
[6] FSO-KT-4 only works with valve S1903-2S
[7] It is critical on model 172M, S/N 17260759 thru 17267584 that before ordering you identify the detent housing style your fuel valve has. See pictures at the top of page 162.

Maintenance Tip:
The fuel selector valve works in unscreened fuel. Contaminated fuel can cause valve seal damage. When fueling from possibly contaminated fuel sources McFarlane recommends the use of a fuel filter, such as Mr. Funnel or other filtering devices to reduce trash in the fuel system. *See page 466 for details on Mr. Funnel.*



Cessna 180, Early 182, 190 and 195 Series Fuel Selector Valves

Sign up for our Email Newsletter to hear when they've been FAA-PMA approved!

- Expanding our eligibility to cover Cessna 180, early 182, 190 and 195 series
- We will have PMA replacement parts for these
- Save $$$

Coming Soon



Fuel Valve for PA-28

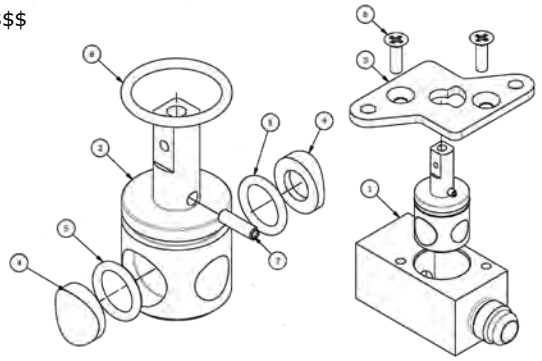
P/N 491-947



Replacement Parts for 150-152 Fuel Selector Valves and 185 Shut-Off Valves

Replacement Parts for McFarlane and Cessna original 150, 152 and 185 Valves

- Cover, rotors, bodies, o-rings, roll pins, and seals in-stock!
- Unique and common components for P/N MC9851078-4 and MC9851070-2 below
- Save $$$





Replaces your old sticky brass valves!

Cessna 150[1], 150A,B,C,D,E,F,G,J,K,L,M[1]
Serial Number 17770 thru 15078505

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851078-4
Unique Components	Body #1	MC9851077-1
	Rotor #2	MC9851072-3
	Cover #3	MC9851092-2
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna 150M[1]
Serial Number 15078506 thru 15079405

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851070-2
Unique Components	Body #1	MC9851071-2
	Rotor #2	MC9851072-2
	Cover #3	MC9851074-1
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna A150K,L,M[1]
Serial Number A1500001 thru A1500684

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851078-4
Unique Components	Body #1	MC9851077-1
	Rotor #2	MC9851072-3
	Cover #3	MC9851092-2
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna A150M[1]
Serial Number A1500685 thru A1500734

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851070-2
Unique Components	Body #1	MC9851071-2
	Rotor #2	MC9851072-2
	Cover #3	MC9851074-1
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna F150F,G,H,J,K,L,M[1]
Serial Number F150-0001 thru F15001338

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851078-4
Unique Components	Body #1	MC9851077-1
	Rotor #2	MC9851072-3
	Cover #3	MC9851092-2
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Continued in next column

Continued from previous column

Cessna F150M[1]
Serial Number F15001339 thru F15001428

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851070-2
Unique Components	Body #1	MC9851071-2
	Rotor #2	MC9851072-2
	Cover #3	MC9851074-1
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna FA150K,L[2],M[1 2]
Serial Number FA1500001 thru FA1500311

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851078-4
Unique Components	Body #1	MC9851077-1
	Rotor #2	MC9851072-3
	Cover #3	MC9851092-2
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna FA150M[1 2]
Serial Number FA1500312 thru FA1500336

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851070-2
Unique Components	Body #1	MC9851071-2
	Rotor #2	MC9851072-2
	Cover #3	MC9851074-1
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna 152/A152/F152/FA152
Serial Number All

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851070-2
Unique Components	Body #1	MC9851071-2
	Rotor #2	MC9851072-2
	Cover #3	MC9851074-1
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Cessna A185F
Serial Number 18403154 thru 18504448

Replacement Part		Part Number
Highest Assembly	Fuel Selector Valve	MC9851070-2
Unique Components	Body #1	MC9851071-2
	Rotor #2	MC9851072-2
	Cover #3	MC9851074-1
Common Components	Seal #4	MC9851073-2
	O-ring #5	MCM83248/1-011
	O-ring #6	MCM83248/1-016
	Roll Pin #7	MS06562-22

Notes:
[1] Partial model eligibility
[2] Includes aircraft equipped w/FKA150-2311 & FKA150-2316
[3] Indicates quantity of two per higher assembly

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Replacement Parts for McFarlane Cessna Fuel Selector Valves

For McFarlane FAA-PMA 170, 172, 175 and 177 series Fuel Valves

NEW

- Rotors, valves, springs, roll pins, screws, washers and more, ***all available today!***
- Unique and common components for McFarlane MC0513120-5, MC0513120-6, MC0513120-8, MC0513120-9, and MC0513120-200

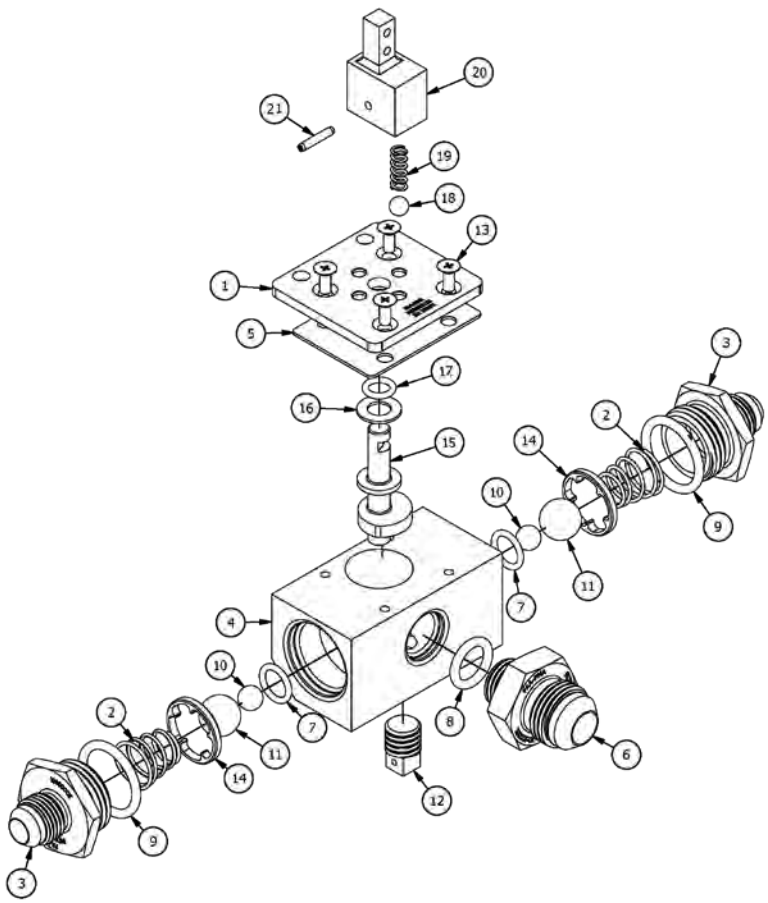
Model	Serial Number	Highest Assembly Fuel Selector Valve	Highest Assembly Position Housing	Unique Components Fuel Outlet Fitting
170B[1]	20286 thru 27169	MC0513120-5	MC0513124-2	MC0513126
172, 172A,B,C	28000 thru 17249544	MC0513120-5	MC0513124-2	MC0513126
172D,E	17249545 thru 17251822	MC0513120-6	MC0513124-2	MC0513126-1
172F,G,H,I,K,L,M[1]	17251823 thru 17263458	MC0513120-8	MC0513124-3	MC0513126-1
172M[1]	17263459 thru 17267584	MC0513120-200	MC0516011-2	MC0513126-1
F172D,E	F172-0001 thru F172-0085	MC0513120-6	MC0513124-2	MC0513126-1
F172F,G,H,K,L,M[1]	F172-0086 thru F17201234	MC0513120-8	MC0513124-3	MC0513126-1
F172M [1]	F17201235 thru F17201514	MC0513120-200	MC0516011-2	MC0513126-1
FR172E,F,G,H,J[1]	FR17200001 thru FR17200530	MC0513120-8	MC0513124-3	MC0513126-1
	FR17200531 thru FR17200590	MC0513120-200	MC0516011-2	MC0513126-1
R172K, FR172K	All	MC0513120-200	MC0516011-2	MC0513126-1
P172, FP172	All	MC0513120-6	MC0513124-2	MC0513126-1
175, 175A,B	All	MC0513120-5	MC0513124-2	MC0513126
175C	All	MC0513120-6	MC0513124-2	MC0513126-1
177,177A,B	All	MC0513120-9	MC1716014-1	MC0513126-1

Notes:
[1] Partial model eligibility



Common Components and Quantities used on all models:			
IPC Graphic	Description	Part Number	Qty Per Aircraft
1	Cover Plate	MC0513122	1
2	Valve Spring	MC0513120-2	2
3	Fuel Inlet Fitting	MC0513120-3	2
4	Valve Body	MC0513121	1
5	Cover Gasket	MC0513125	1
7	Valve O-ring	MCM83248/1-012	2
8	Outlet O-Ring	MCM83248/1-111	1
9	Inlet O-ring	MCM83248/1-116	2
10	Lifter Ball	MCS272-209	2
11	Valve Ball	MCS272-215	2
12	Drain Plug	MS20913-1D	1
13	Cover Screw	MS24693S25	4
14	Guide Insert	7715 [1]	2
15	Fuel Selector Cam	MC0513123	1
16	Thrust Washer	NAS1149C0432R	1
17	Cam O-ring	MS29513-010	1
18	Positioning Ball	MCS272-207	1
19	Positioning Spring	MC0513120-1	1
21	Roll Pin	MS16562-213	1

Notes:
[1] McFarlane fuel selector valves only



Replacement Parts for McFarlane Cessna Fuel Selector Valves continued

For McFarlane 177, 182 and 185 series Fuel Valves

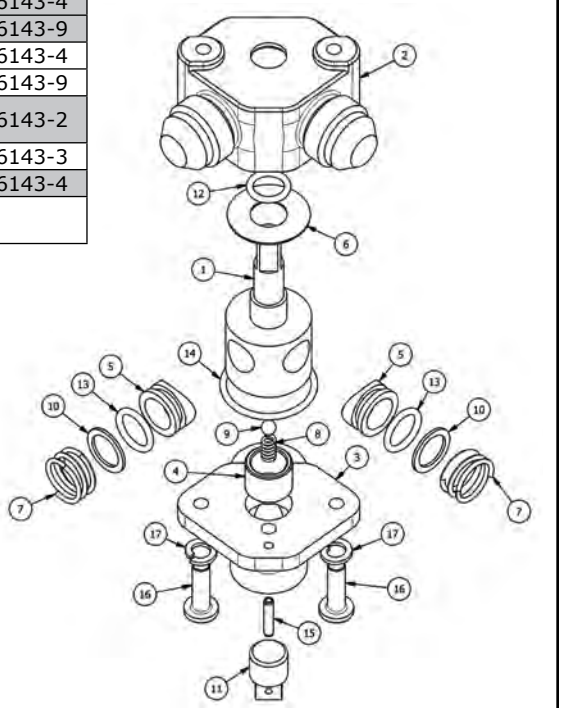
- Unique and common components for McFarlane MC0716613-1, MC0716613-3, MC0716613-4, and MC0716613-5 available below
- In stock and affordable!

Model	Serial Number	Highest Assembly: Fuel Selector Valve	Unique Component: Rotor
177RG	177RG0283 thru 177RG0314	MC0716613-4	MC0716143-4
	177RG0315 thru 177RG1051	MC0716613-5	MC0716143-9
F177RG	F177RG0063 thru F177RG0077	MC0716613-4	MC0716143-4
	F177RG0078 thru F177RG0160	MC0716613-5	MC0716143-9
182E,F,G,H,J,K, L,M,N,P, F182P	All	MC0716613-1	MC0716143-2
185B,C,D,E, A185E[1]	185-0513 thru 185-1300	MC0716613-3	MC0716143-3
A185E[1],F	185-1301 thru 18502310	MC0716613-4	MC0716143-4

Notes:
[1] Partial model eligibility

IPC Graphic	Common components and quantities used on all models:	
2	1 Valve Body	MC0716144-1
3	1 Valve Sump	MC0716145-1
4	1 Valve Bushing	MC0716146-1
5	2 Rotor Seal	MC1216107-4
6	1 Thrust Washer	MCS1438-14
7	2 Valve Spring	MC1216110-4
8	1 Positioning Spring	MC1216110-5
9	1 Positioning Ball	MCS272-5
10	2 Seal Washer	MCS2385-4
11	1 Drain Plug	MS20913-1D
12	1 Upper Rotor O-Ring	MCM83248/1-012
13	2 Rotor Seal O-Ring	MCM83248/1-013
14	1 Lower Rotor O-ring	MCM83248/1-021
15	1 Roll Pin	MS16562-65
16	2 Screw	MS16562-63
17	2 Lock Washer	MS35338-43

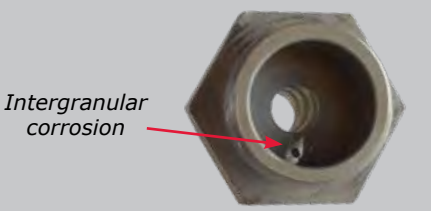




Fuel Valve Intergranular Corrosion

Intergranular Corrosion — Found During Fuel Valve Overhaul and Repair

Fuel Valves can produce intergranular corrosion, which occurs from a weakened area of the valve that was improperly heat treated during the manufacturing process. Over time, the area that was improperly heat treated is especially prone to corroding from the inside out. Once the corrosion hits the surface and exfoliates, leaking occurs and repair is needed. At that point, your Fuel Valve needs repaired. Intergranular corrosion is very common and often found in many valves during overhaul and repair.



Fuel Selector Valve Cam and Bearing for Cessna Aircraft

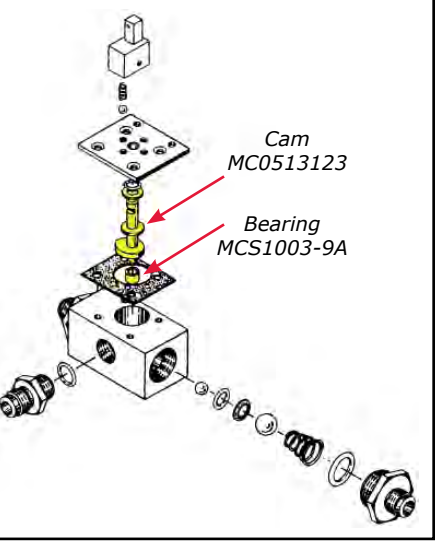
Improved corrosion protection with new aluminum bearing with the cam

- Anodized aluminum cam
- Aluminum bearing eliminates galvanic corrosion!
- Save $$$!

SAVE $$$

Aircraft	Cam MC0513123	Bearing MCS1003-9A
170B	•	
172, 172A,B,C,D,E,F,G,H,I,K,L	•	•
172M	•	•
F172D,E,F,G,H,K,L	•	•
F172M	•	•
FP172, P172D	•	•
R172E,F,G,H	•	•
R172K	•	•
FR172E,F,G,H	•	•
FR172J,K	•	•
175, 175A,B,C	•	•
177, 177A,B	•	•
180F,G,H,J		•





Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Door Cables

FAA-PMA approved for Cessna, Piper, and Beech

Custom Door Cables also available



Hand-crafted in-house

Don't settle for the factory color!
Choose a color to match your interior



Silicone Covering Color Chart		
Description	**Color Suffix**	
Dark Black (matte) Fed Spec 17038		**-DKBK2**
Dark Black (semi-gloss) Fed Spec 17038		**-DKBK1**
Black Fed Spec 27038		**-DKBK0**
Dark Gray Fed Spec 26008		**-DKGY0**
Dark Gray Fed Spec 36173		**-DKGY1**
Light Gray Vendor Color #K76169		**-LTGY1**
White Fed Spec 37150		**-LTWT0**
Gray Pantone 409C		**-LTGY0**
Butternut/Brown Fed Spec 30145		**-MDBN0**
Green Pantone 5783U		**-LTGN0**
Translucent (no color)		**-LTTL0**

Cabin & Cargo Door Hinges

Cessna 170-210 Series Aircraft



- FAA-PMA approved
- Improved McFarlane design
- Solid welded design with pre-drilled precision holes
- Straight or bent hinges available!



Coming Soon

Cessna 120, 140, 150 Series Cabin Door Hinges
*See **Door and Step Parts** section of our catalog for details*



SAVE $$$

Cowl Saver™

with Bi-Flex™ Technology

Baffle Seal Material



You can feel the difference in the cockpit!

- **Reduce airframe vibration**
- **Stop cowl and firewall cracks**

36-month money back guarantee!

FREE SHIPPING

*See **Firewall Forward** section of our catalog or more details*



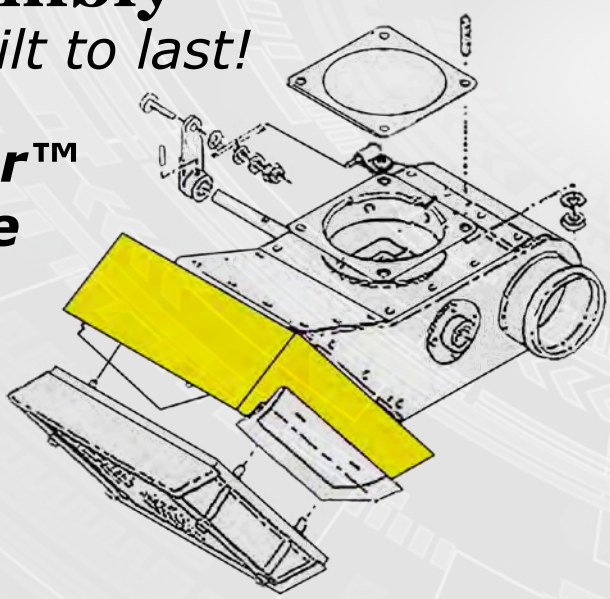


Air Filter Shroud Assembly

Durable aluminum body is built to last!

Our low friction Cowl Saver™ seals prevent cowl damage





New! FAA-PMA approved for Cessna aircraft

Cessna 150, 152, and 172 models

*See **Firewall Forward** section of our catalog for more details!*

McFarlane®

Fuel, Smoke, and Hydraulic Pump Solutions

McFarlane partnered with CJ Aviation to better serve the aviation community

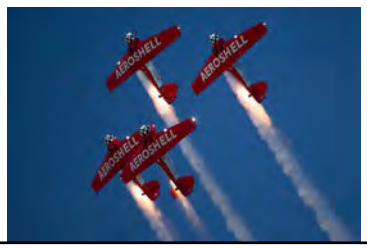
Together, McFarlane and CJ Aviation offer new Fuel Pump assemblies, overhauled exchange Smoke Pumps and Hydraulic Pumps, and services for Airborne, Dukes, and Weldon Fuel Pumps. With our expertise and quick turnaround, you'll pay less for superior work on overhauls, exhanges, repairs, and new assemblies. Visit our website or sign up for our newsletter to stay up to date on our new repair facilities and inventory status.

- FAA-PMA and EASA approved assemblies and repair station
- Exchanges and overhauls available
- Most new assemblies ship same day!
- Our product is installed on world class performers, including the AeroShell Team, Ghostwriters, Matt Younkin, Mike Goulian, and more!

CJ Aviation

Serving the aviation community for over 30 years, CJ Aviation has expertise in Fuel Pumps, Hydraulic Pumps, and smoke systems. CJ is also well-known for helping design fuel or smoke systems for experimental aircraft, including custom applications.





For details on overhaul, exchange, and custom services, call CJ Aviation at 800-544-8594



CJ Aviation Fuel Pumps

Precisely machined for better seal life!

Direct replacement for Dukes fuel pumps on Beechcraft, Cessna, Diamond, Maule, Mooney, Piper, and more.



Better
- Direct replacements
- Two year warranty or 300 hours, whichever comes first

Stronger
- Redesigned motor
- Tighter tolerances for longer seal life

Faster
- In stock
- Most orders ship same day

Aircraft	14 Volt P/N	28 Volt P/N
Beechcraft		
35-C33	4140-00-7NVCJ	
35-C33A	4140-00-39NVCJ	
36	4140-00-39NVCJ	1296-00-1NVCJ
	4258-00-15NVCJ	4613-00-3NVCJ
		4613-00-5NVCJ
A36, G36		4613-00-3NVCJ
		4613-00-5NVCJ
58		4404-00-7NVCJ
95-A55[24], 95-B55A, 95-B55B, 95-C55[25], 95-C55		4150-00-1NVCJ
95-B55		4404-00-7NVCJ[22] 4150-00-1NVCJ[23]
D55, D55A		4150-00-1NVCJ
E33	4140-00-7NVCJ	
E33A, E33C	4140-00-39NVCJ	
E55		4404-00-7NVCJ[20] 4150-00-1NVCJ
E55A		4150-00-1NVCJ
F33	4140-00-7NVCJ	
F33A, F33C	4140-00-39NVCJ	1296-00-1NVCJ
G33	4140-00-39NVCJ	
S35	4140-00-39NVCJ	
V35	4140-00-39NVCJ	1296-00-1NVCJ
V35A		1296-00-1NVCJ
Cessna		
172R,S		5100-00-4CJ
FR172E,F,G,H,J,K[1]	4140-00-17CJ[6]	
FR172K[1]		4140-00-15CJ[7]
R172K	4140-00-17CJ[8]	
		4140-00-15CJ[9]
177RG	4140-00-17CJ[10]	
		4140-00-15CJ[11]
Continued on next column		

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Aircraft	**14 Volt P/N**	**28 Volt P/N**
Beechcraft		
F177RG	4140-00-17CJ[12]	
R182, TR182[1]		4140-00-15CJ[13]
A188, A188A,B	4140-00-17CJ[3]	4140-00-15CJ[2]
206	4140-00-17CJ	
206H, T206H		4140-00-15CJ
P206, P206A,B,C, TP206A,B,C	4140-00-17CJ	
P206D,E, TP206D,E	4140-00-17CJ[18]	4140-00-15CJ
U206, U206A,B,C, TU206A,B,C	4140-00-17CJ	
U206D,E,F,G, TU206D,E,F,G	4140-00-17CJ[18]	4140-00-15CJ
207, 207A, T207, T207A	4140-00-17CJ[14]	
		4140-00-15CJ[15]
210D,E,F,G,H,J,K, T210K	4140-00-17CJ	
210L,M,N[1], T210L,M,N[1]		4140-00-15CJ[16]
P210N[1]		4140-00-15CJ[17]
T210F,G,H,J	4140-00-17CJ	
310, E310H,J, T310P,Q,R		4140-00-15CJ[2]
320, 320A,B,C,D,E,F		4140-00-15CJ[2]
340, 340A		4140-00-153CJ
		4140-00-15CJ
401, 401A,B, 402, 402A,B		4140-00-153CJ
		4140-00-15CJ
411, 411A		4140-00-153CJ
		4140-00-15CJ
414, 414A		4140-00-15CJ
421, 421A,B		4140-00-153CJ
		4140-00-15CJ
Continued on next page		

CJ Aviation Fuel Pumps continued from previous page

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Aircraft	**14 Volt P/N**	**28 Volt P/N**
Diamond		
DA 40, 40F, 42		5100-00-9CJ 19
Lake Aircraft (Revo)		
LA-4-200	4140-00-19ACJ	
Maule		
M-4	1184-00-3CJ	
	1471-00-3CJ	
	4140-00-57CJ 4	
M-4-180V, M-4-220	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
M-5-180C, M5-5-200	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
	4140-00-57CJ 4	
M-5-210C, M-5-210TC	4140-00-57CJ 4	
M-5-220C	1184-00-3CJ	
	1471-00-3CJ	
	4140-00-57CJ	
M-5-235C	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-57CJ 4	
	4140-00-400CJ	
M-6-180	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
M-6-235	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
M-7-235, M-7-235A,B,C, MT-7-235	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
M-7-260, M-7-260C, MT-7-260	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
M-7-420A, M-7-420AC	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
MT-7-420	4140-00-400CJ	4140-00-401CJ
Continued on next column		

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Aircraft	**14 Volt P/N**	**28 Volt P/N**
Maule continued		
MXT-7-160, MX-7-180, MXT-7-180, MX-7-180A, MXT-7-180A, MX-7-180AC,B,C, MX-7-235, M-8-235	1184-00-3CJ	4140-00-401CJ
	1471-00-3CJ	
	4140-00-400CJ	
Mooney		
M20D,E 1	4140-00-21ACJ	
M20E 1, F	4140-00-19ACJ	
M20G	4140-00-21ACJ	
M20J,K	4140-00-19ACJ	
Navion (Sierra Hotel Aero)		
H 5	4140-00-17NCJ	
Piper		
PA-24-250 PA-24-260 21	4140-00-218CJ	

1 Partial model eligibility
2 When originally equipped with Dukes P/N 4140-00-15 or P/N C291504-0201
3 When originally equipped with Dukes P/N 4140-00-17 or P/N C291504-0101
4 When equipped with Franklin 6A-300 series engine
5 When equipped with IO-520-B or IO-520-BA engine
6 S/N FR172-0001 thru F17200620
7 S/N FR17200621 and On
8 S/N R1722000 thru R1722724
9 S/N R1722725 and On
10 S/N 177RG0283 thru 177RG1266
11 S/N 177RG1267 and On
12 S/N F177RG0063 thru F177RG0177
13 S/N R18200584 thru R18201628
14 S/N 20700001 thru 20700414
15 S/N 20700228 and On
16 S/N 21059503 thru 21064535
17 S/N P21000001 thru P21000760
18 When equipped with aux. fuel pumps on the LH and RH firewall locations
19 If used by a flight school warranty is void
20 S/N TE-768 thru TE-942 only
21 S/N 24-3642 thru 24-5034 except 24-3643-24-3999
22 S/N TC-502 thru TC-1607
23 S/N TC-1608 thru TC-2456
24 All serial numbers except TC-350 and TC-371
25 All serial numbers except TE-50



Cross Reference

Dukes to CJ Aviation		TAT Conversion 1
Dukes P/N	**CJ P/N**	**TAT Conversion P/N**
1184-00-1 and 1184-00-3	1184-00-3CJ	1296-00-1NVCJ-TAT
1296-00-1NV	1296-00-1NVCJ	4140-00-39NVCJ-TAT
1471-00-1 and 1471-00-3	1471-00-3CJ	4258-00-15NVCJ-TAT
4140-00-7 and 4140-00-7NV	4140-00-7NVCJ	4613-00-3NVCJ-TAT
4140-00-15	4140-00-15CJ	4613-00-5NVCJ-TAT
4140-00-17	4140-00-17CJ	
4140-00-17N	4140-00-17NCJ	
4140-00-19A	4140-00-19ACJ	
4140-00-21A	4140-00-21ACJ	
4140-00-39NV	4140-00-39NVCJ	
4140-00-57	4140-00-57CJ	
4140-00-153	4140-00-153CJ	
4258-22-15NV	4258-00-15NVCJ	
4404-00-7NV	4404-00-7NVCJ	
4613-00-3 and 4613-00-3NV	4613-00-3NVCJ	
4613-00-5 and 4613-00-5NV	4613-00-5NVCJ	
5100-00-1, 5100-3, and 5100-00-4	5100-00-4CJ	
5100-00-9	5100-00-9NC	
5140-00-400	4140-00-400CJ	
4140-00-401	4140-00-401CJ	

Do you have a TAT conversion?

1 Tornado Alley Turbo Conversions

CJ Aviation has approved Fuel Pumps for Tornado Alley Turbo Conversions. These pumps run three PSI more than the standard pumps on average. The TAT conversions require more fuel as they are both a tuned system and put out more power.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

CJ Aviation Overhauled Fuel Pumps

FAA and EASA approved certified repair station

Overhauled Fuel Pumps are available for certified and experimental aircraft with exchanges on Airborne, Dukes and Weldon pumps. Quick turnaround with same day shipping on standard Fuel Pump part numbers. ***Call for details.***







Dukes		Weldon						
14 Volt P/N	28 Volt P/N	JA Style Lip Seal	J Style Lip Seal	J Style Face Seal	JC Style Lip Seal	JC Style Face Seal	JL Style Lip Seal	L Style
1171-00-1NV	1296-00-1NV	A8120-B	33959-2	900107	8150-B	A8150-B	10054-A	10024-B
1184-00-3	1500-00-31	A8120-C	33959-3	269A8304-19	8152-B	A8150-B1	10054-B	10028-A
1458-00-1	1500-00-35	A8120-D	481-766	269A8304-21	8153-C	A8152-B	10062-B	42113-5
1471-00-3	1500-00-38	A8121-B	481-780	461-758	8154-A	A8153-B	A10050-C	42113-6
1499-00-19	1817-00-1NV	A8122-A	8007-B	8018-A	8154-B	A8153-C	A10050-D	48885-2
1499-00-21	4140-00-111		8008-C	8027-C	8157-B	A8159-A	A10051-D	53050-2
1816-00-1NV	4140-00-15		8009-A	A8007-B	8158-A	A8160-B	A10053-A	A10008-F
4140-00-103NV	4140-00-153		8009-B	A8008-D	8158-B	A8160-D	A10053-B	A10009-F
4140-00-11NV	4140-00-400		8010-A	A8016-B	8159-A	A8163-A	A10055-B	A10009.1-A
4140-00-17	4140-00-401		8016-B	A8016-B1	8160-B	A8163-A1	A10056-B	A10009.1-B
4140-00-17N	4140-00-47		8017-A	A8017-A	8163-A	A8163-B	A10063-A	A10014-D
4140-00-19A	4140-00NV		8115-B	A8019-A	8163-B	A8164-A		A10014-D40
4140-00-19B	4404-00-7NV		8116-B	A8020-A	8164-A	A8168-A		A10014-D42
4140-00-1NV	4613-00-3NV		8120-G	A8020-B	8168-A	A8170-A		A10014-D44
4140-00-218	4613-00-5NV		8120-H	A8123-H	8169-A	A8171-A		A10014-E
4140-00-21A	5100-00-4		8120-J	A8127-A	8170-A	A8172-A		A10017-C
4140-00-39NV	5100-00-9		8120-K	A8127-B	8171-B	A8174-B		A10019-C
4140-00-57	5217-00-1R		8120-L	A8136-B	8172-A	A8176-B		A10019-D
4140-00-7NV	5217-00-3		8120-M	A8148-A	8174-A	A8177-A		A10019-E
4258-00-15NV			8123-H	A8148-B	8174-B	A8177-B		A10019-E1
5367-00-1			8136-B	B8009-A	8175-A	A8178-A		A10057-B
			8140-B	B8009-B	8175-B	A8178-B		B10000-F
			A8009-A	B8110-F	8176-B	A8179-A		B10000-F1
			A8009-B	B8110-G	8177-A	A8181-A		B10003-F
			A8110-C	B8118-A	8177-B	A8183-A		B10007-D
			A8110-F	B8120-G	8178-A	A8184-A		B10010-F
			A8110-G	B8120-H	8178-B	A8185-B		B10010-FW
			AA8001-G	B8120-J	8179-A	A8186-B		B10014-E
			AA8001-H	B8120-K	8180-B	A8188-B		B10014-F
			B8001-G	B8120-M	8190-B	A8189-B		TA1-23-84
			B8001-H	C8009-A		A8250-B		
			B8103-F	C8009-B		C8187-B		
			C8100-E	D8100-E		MY103-280		
			C8100-F	D8100-F				
			C8100-L					

Fuel and Alcohol Pumps for Cessna, Piper, and Beech Aircraft

Manufactured by PMA Products

Save over $400 off OEM List! FAA-PMA approved

- More dependable and uses less current than old breaker point pumps!
- Unconditional one year warranty
- Internal check valve to prevent backflow
- Replacement filter kit P/N CA42370 available for each fuel pump



P/N CA6508092-1A



P/N CA62220-004

Not approved for use in fuel injection aircraft

Part Number	Replaces OEM P/N	Eligible Models
CA476284E-1	Beechcraft P/N 476284	55,A55,B55,C55,D55,E55,56TC,A56TC,58,58P,58TC,60,A60,B60,A65,70,B80,E95,C90,E90, F90 s/n LA-2 thru LA-56, 100, A100 s/n B-1 thru B-247, 200 s/n BB-2 thru BB-665, 200T s/n BT-1 thru BT-16, 200C s/n BL-1 thru BL-9, 99,99A,A99A,B99,C99, T-34C s/n GL-1 and on, T-44A
CA6508092-1A[2]	Cessna P/N 476411, 6508091-1, and 6508092	310G,H,I,J,J-1,K,L,N,P, 310G0001 thru 310P0179, 310Q,310R, E310H,J, 320A,B,C,D,E,F, 335, 340,340A, 401,401A 401-0001 thru 401A0132, 401B, 402, 402A, 402-0001 thru 4022A0069, 402B,402C,411,411A,414,414A,421,421A, 421-0001 thru 421A0111, 404,421B,421C,425,441,500[1],525,550,560,650
CA35328-800E	Piper P/N 35328-800 and 481-666 (STC)	PA23, PA-23-150,-160,-235,-250,-250 (6 place), s/n 27-1 thru 27-2504 (14v), PA24, PA-24-180,-250,-260, s/n 24-3642,24-4000 thru -4782, and 24-4781 thru -4803, PA-28-140,150,151,160, 161(14v),180, PA-28-181 s/n 28-7690001 thru -7990626 and -8090001 and on (14v), PA-38-112
CA62220-004	Piper P/N 62220-004	PA-28-161 S/N 2816110 thru 2816119 and 2842001 and up, PA-28-181 S/N 2890206 thru 2890231, 2843001 thru 2843820, 2843822 thru 2843851 and 2843853 and up with Lycoming O-360-A4M engine
CA65628-800E	Piper P/N 65628-800 (STC)	PA-28-235,-236,PA-32-260,PA-44-180 with STC SA02579AT installed

[1] All S/Ns, including S/N 500-0001 thru 500-0040 incorporating SB30-1, and S/N 500-0001 thru 500-0213 incorporating SB21-9
[2] Applicable only if Service Kit SK421-26C is installed: 310G,H,I,J,J-1,K,L,N,P* 310G0001 thru 310P0179, E310H,J, 320A,B,C,D,E,F, 401, 401A 401-0001 thru 401A0132, 402, 402A, 402-0001 thru 4022A0069, 411, 411A, 421, 421A, 421-0001 thru 421A0111

Fuel Pumps

FAA-PMA for Lycoming or Continental engines

- Save $$$
- High quality and long service life
- Fuel Pumps for aircraft equipped with RAJAY turbochargers are available!



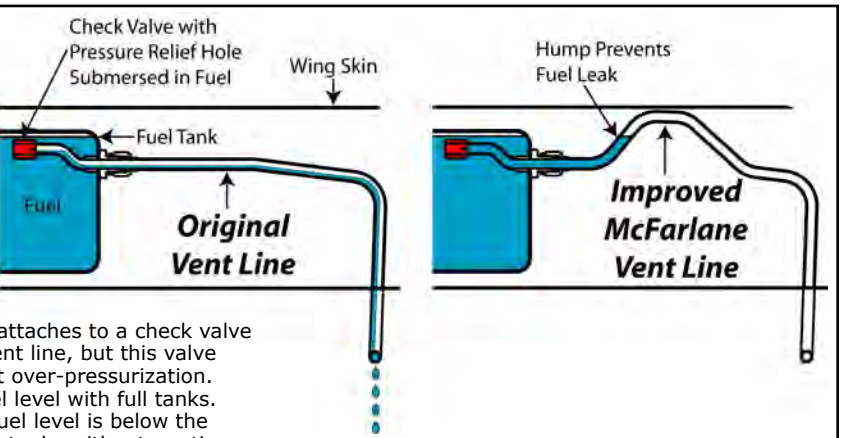
For full aircraft eligibility, enter your aircraft model on our website. Scan this code for direct access!

.../products/category/firewall-forward-pneumatic-system/

Fuel Vent Lines for Cessna Aircraft

Stops fuel waste!

- Stops asphalt damage and environmental damage
- Extends useful range
- Pays for itself quickly with the price of fuel!
- Adds value to your airplane
- FAA-PMA direct replacement, no STC or 337 form needed



The fuel vent line on most Cessna single engine aircraft attaches to a check valve inside the tank to prevent fuel from flowing out of the vent line, but this valve has a weep hole that allows some fuel to pass to prevent over-pressurization. Unfortunately, this weep hole is much lower than the fuel level with full tanks. Fuel will continuously leak out of the vent line until the fuel level is below the weep hole. With the original vent line, you cannot fill the tanks without wasting a lot of fuel.

The Cessna legacy aircraft also have a tank interconnect vent line that allows fuel from both tanks to leak out of the vent. When parked on an unlevel surface, the fuel loss from these aircraft can be many gallons.

McFarlane has solved these problems with a redesigned vent line featuring a unique hump that extends above the top of the tank. Some fuel can still escape through the weep hole and out the vent to prevent over-pressurization. However, once the pressure is relieved, the tanks will remain full.

Convenient Kits and Components

Kits containing a new connection hose (where required), P/N MCS1495-8 and rubber grommet, P/N MS35489-14 are also available where applicable. Just add a "K" suffix to the part numbers listed below. Rubber tubing sold by the foot is available by ordering P/N R221485.



Installation Tip:
Access to loosen or tighten the vent line in most of the Cessna aircraft is very tight because the tube flare nut ("B" nut) sits partway in the wing rib. However, with the correct wrench, you can loosen the nut from the under-wing inspection holes without removing the top tank access skin. The fitting in the tank has indexing flats and won't normally rotate while the tube flare nut is being loosened and re-tightened for the new line. Use caution in starting the nut as the Cessna tank fitting is a welded assembly with soft aluminum. Be sure not to cross-thread or over tighten the nut as you can easily strip the threads on this fitting.

		Standard Range Tanks		Extended Range Tanks	
Aircraft Model	**Serial Number**	**Left**	**Right**	**Left**	**Right**
150, 150A	All	MC0400311-119 3 2		MC0400311-121 3 2	
150B,C,D,E,F,G,H,J,K, L,M,F150F,G,H,J,K,L,M	All	MC0400311-119		MC0400311-121	
A150K,L,M, FA150K,L, M, FRA150L,M	All	MC0400311-120			
152, F152	All	MC0400311-119		MC0400311-121	
A152, FA152	All	MC0400311-120			
172, 172A,B,C	All	MC0523559-8 3 2			
172D,E,F,G,H,I		MC0523559-8			
172K,L,M 1	17257162 thru 17260805	MC0523559-8		MC0523559-6	
172M 1 ,N	17260806 thru 17274009	MC0523559-12		MC0523559-11	
172P	All	MC0523559-12 MC0523098-1 Integral Cell		MC0523559-11	
172Q	All	MC0523559-11 MC0523098-1 Integral Cell			
172RG	All	MC0523098-1			
F172D,E,F,G,H 1	F172-0001 thru F172-0561	MC0523559-8			
F172H 1 ,K,L	F172-0560 thru F17200904	MC0523559-8		MC0523559-6	
F172M 1	F17200905 thru F17201234	MC0523559-12			
F172M 1 ,N	F17201235 thru F17202254	MC0523559-12		MC0523559-11	

Eligibility continued on next page

Fuel Vent Lines for Cessna Aircraft continued from previous page



		Standard Range Tanks		Extended Range Tanks	
Aircraft Model	**Serial Number**	**Left**	**Right**	**Left**	**Right**
FP172	All	MC0523559-6			
FR172J,K	All	MC0523559-11 MC0523098-1 Integral Cell			
P172D	All	MC0523559-6			
R172K	All	MC0523559-11 MC0523098-1 Integral Cell			
175, 175A,B,C		MC0523559-6 3 2			
180 1	32488 thru 32661	MC0716122 Only for use with Service Kit SK180-6			
180A,B,C,D	All	MC0716127-1			
180E,F	All	MC0716127-1	MC0716127-2 4	MC1200106-51	MC1200106-52
180G,H,J,K 1	18051313 thru 18053000	MC0716127-1	MC0716127-2	MC1200106-51	MC1200106-52
180K 1	18053001 thru 18053203	MC1200106-266	MC1200106-267		
182	All	MC0716122			
182A,B,C,D	All	MC0716127-1			
182E,F,G,H,J, K,L,M,N,P,Q 1	18253599 thru 18266590	MC0716127-1		MC1200106-51	
182Q 1,R,S,T	18266591 thru 18299999	MC1200106-266	MC1200106-267		
F182P,Q 1	F18200001 thru F18200094	MC0716127-1		MC1200106-51	
F182Q 1	F18200095 thru F18200169	MC1200106-266	MC1200106-267		
FR182 1	FR18200001 thru FR18200020	MC0716127-1		MC1200106-51	
FR182 1	FR18200021 thru FR18200070	MC1200106-266	MC1200106-267		
R182 1	R18200001 thru R18200583	MC0716127-1		MC1200106-51	
R182 1,TR182 1	R18200584 thru R18202041	MC1200106-266	MC1200106-267		
T182,T182T	All	MC1200106-266	MC1200106-267		
185, 185A,B,C,D,E, A185E,A185F 1	185-0001 thru 18503683	MC0716127-1	MC0716127-2	MC1200106-51	MC1200106-52
A185F 1	18503684 thru 18504448	MC1200106-266	MC1200106-267		
210-5 (205), 210-5A (205A)	All	MC0716127-1	MC0716127-2	MC1200106-51	MC1200106-52
206,P206, P206A,B,C, D,E, TP206A,B,C,D,E TU206A,B,C,D,E,F,G U206, A,B,C,D,E,F,G	All	MC0716127-1	MC0716127-2	MC1200106-51	MC1200106-52
206H,T206H	All	MC1200106-266	MC1200106-267		
207,207A,T207,T207A	All	MC0716127-1	MC0716127-2	MC1200106-51	MC1200106-52
210,210A,B,C,D,E,F T210F	All	MC0716127-1	MC0716127-2	MC1200106-51	MC1200106-52

1 Partial model eligibility
2 These aircraft originally used ¼" vent lines, however they may be upgraded to a ⅜" vent line with installation of P/N 0523552-2 vent assembly per the applicable IPC. The indicated McFarlane vent lines are only eligible for use with the upgraded vent assembly.
3 Only for use with Cessna vent assembly 0523552-2
4 Not used with 0726001-16 RH Standard Fuel Tank

Fuel Injection/Hydraulic/Oxygen Line Union Cone

P/N AN800C2-MOD

Improved Design! These braze-on 316 stainless fittings are an improvement over AN800C2 fittings commonly used on 1/8" stainless steel fuel injection, hydraulic and oxygen lines.

Improvements include:

- Witness hole to assure complete braze penetration
- Closer tolerance ID (0.131" - 0.133") to assure compatibility with close tolerance MIL-T-8504/ASTM A632 stainless steel tubing. The precision ID provides ideal clearance for proper braze penetration.



Note: Although similar, these parts are not manufactured/certified to AN800 specs. Fittings certified to AN800 are available upon request.

Electricity in the Fuel Tank

Is it Safe?

By Dave McFarlane



Have you ever thought about those fuel quantity transmitters in your fuel tank? Just how much electricity go through them anyway? Is there any chance of a spark? Could they touch off an explosion? Could they be improved? How do they fail? These are some of the questions we had when we started to develop new FAA- PMA replacement fuel transmitters for the Cessna single engine airplanes. What we found out was quite shocking.

The first things we did were to review the aircraft electrical schematics for the fuel quantity system and dissect several fuel gages. A fuel indicating circuit was analyzed while it was working. Then we collected a lot of transmitters that were removed from service and a few new ones. Some of them still worked and some were obviously bad. After disassembly, the transmitter failure modes and defects were noted with the most common electrical defect being actual wear failure of the stainless-steel wire that is wound around a phenolic (laminated plastic) insulator board making up the variable resistor.

One particular defective transmitter caught our attention. The phenolic board was charred and discolored. This clearly indicated the stainless-steel resistor wires had been HOT! How did it get hot? There were no signs of external heat in the transmitter

"This clearly indicated the stainless-steel resistor wires had been HOT!"

housing or flange that would indicate external heat or fire.

Looking at and smelling this transmitter took me back twenty five years to when I ran a repair shop in Iowa. A customer brought in an almost new Cessna Agwagon that had an alternator run away due to a shorted field wire near the alternator. Before the pilot could shut down the master switch, the 28-volt system fried all the electrical components that were turned on at the time and the electrical instruments were brown and filled with smoke. I remember that the over-voltage had also damaged the fuel transmitters. An over-voltage might explain our one hot transmitter, but Fred McClenahan, our design engineer, and I were not convinced that was the only possibility.

In the normal operating mode, there are only a few milliamps of current flowing through the fuel transmitter to ground. Buss (battery or alternator) voltage is put into the fuel quantity indicator where the fine wire instrument coils reduce the voltage going to the transmitter. The voltage and related amp flow is very small as it goes through the transmitter to the grounded fuel tank. The chance of a spark at the point of contact of the transmitter's resistor wiper arm on the stainless-steel wire is very remote. The amp flow through the stainless steel resistive wire is so small it does not generate heat. But what happens when a malfunction occurs that would put full buss voltage directly to the transmitter? We were about to find out. Not having enough available amp power with our lab power supply, we took a good transmitter outside and lifted the hood on the company truck where we had the brute strength of a seven hundred amp Sears Die Hard®. We held the transmitter flange on the negative battery post and put a jumper wire from the positive post to the transmitter wire terminal. What I saw sent a cold chill down my spine. After a few seconds, the transmitter started to emit smoke and the stainless-steel resistor wire began to glow red hot!

Our certification tests proved that it will take the vibration and other abuses of the aircraft environment. Analyzing what this means, we determined if you had a short in the transmitter wire as it goes up the aircraft door post and this wire was shorted to another buss voltage wire, let's say the navigation light wire, you would have the same situation as we had under the Ford hood. The only difference would be that the smoke and red hot wire would be in your gas tank just before dark and maybe at six thousand feet. Another possibility for this type of failure would be if the wire going to the fuel quantity indicator was to touch the wire leaving the fuel quantity indicator, shorting buss voltage to the normally low voltage transmitter wire. If a mechanic was to accidentally short the transmitter wire to buss voltage, he better yell "IGNITION" and clear the hangar because he just switched on the fuel tank glow plug!



Why haven't we seen a lot of single engine airplanes with fuel tank fires or blown off wings? I guess it says a lot for the wiring reliability designed into our light aircraft. Another factor might be that the fuel air mixture must be correct for a gasoline explosion. If the tank was near full there is very little oxygen in the tank.

"What I saw sent a cold chill down my spine. After a few seconds, the transmitter started to emit smoke and the resistor wire began to glow red hot!"

Our next question was "what can we do to eliminate this risk?" The choices were to either keep the electricity out of the tank or find a resistor that would be safe at any voltage. Keeping the electricity out of the fuel tank would be very difficult without developing a totally different fuel quantity system with heavy modifications to the fuel system itself.

"What can we do to eliminate this risk?"

Other styles of fuel tank senders were looked at and we finally discovered the new Stewart Warner® "Thick Film Ceramic" transducer technology. This resistor is built by coating a ceramic base with a hard semiconductor film. This film is then laser cut to the exact resistance needed. The beauty of this beast is that being a semi-conductor it is "current limiting". In other words, applying more voltage has less effect on the number of amps that will flow through it. With limited amp flow, there is a corresponding limit to the heat that can be generated. The real test was to see how it reacted to the Sears Die-Hard®. When we duplicated our previous test at full voltage there was no heat generated at the higher resistance and about 350° F at the low resistance and the transmitter worked fine after the test.

One of the other advantages of this technology is the hard smooth and flat surface of the semi-conductor. The follower arm does not have to jump over wires. Stewart Warner®'s tests show this resistor will out wear their wire wound type many times. The accuracy of the resistance inputs is improved by the laser precision and increased number of resistance divisions built into the resistor. Our certification tests proved that it will take the vibration and other abuses of the aircraft environment.

McFarlane Aviation Products has FAA-PMA transmitters for most single engine Cessna and Piper airplanes at substantial savings over the old wire wound replacements and we are developing them for other aircraft.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Fuel Quantity Transmitters for Cessna and Piper Aircraft

McFarlane Fuel Quantity Transmitters are direct replacements for originally installed Stewart Warner type fuel quantity transmitters. Eliminates the need for expensive transmitter conversion kits that require replacement of fuel gauges and wiring. Our Fuel Quantity Transmitters are engineered to be compatible with the original fuel quantity gauge and wiring which uses time proven technology and reliability. Each Transmitter is manufactured using proprietary "thick film ceramic" resistor technology. The benefits are longer life and increased accuracy. All components are thoroughly tested to ensure reliable operation.

- More accurate and lasts longer!
- Proprietary McFarlane thick film resistor technology
- Direct replacement for original factory installed

Convenient Kits
Available individually or as kits including one transmitter, gasket(s) and screw/seal assemblies as applicable.


P/N MC0426517-1


P/N MC0523557-1


P/N MC0726110-1


P/N MC68101-02

Installation Warning:

Do not *replace the Rochester fuel quantity transmitter with the Stewart Warner transmitters. The electrical function is not compatible. Stewart Warner transmitters must be used to replace Stewart Warner transmitters only. Replacing the Rochester transmitter with the Stewart Warner transmitter will result in erroneous fuel quantity indications.*

Some Cessna and Piper aircraft have been modified with a Service Kit to use the Rochester fuel quantity indicating system. This modification required changing the fuel quantity gage, transmitter, and other electrical components. Do not use the McFarlane (Stewart Warner) transmitters as a replacement for these aircraft.

McFarlane transmitters for Piper aircraft are not compatible with serial numbers other than those listed in the eligibility data.


Rochester Transmitter

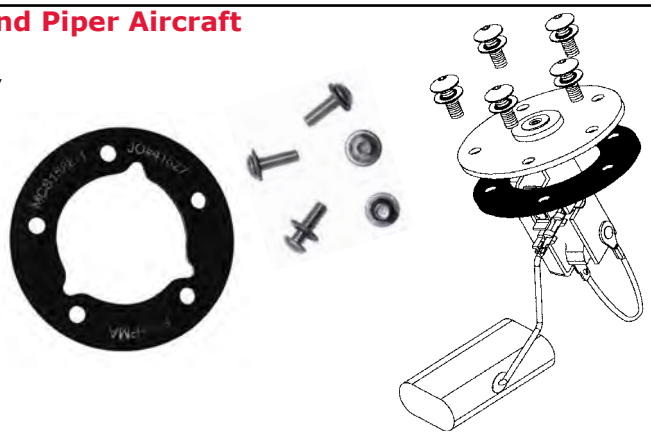

Early Style Stewart Warner Transmitter

Gaskets and Screw-Seal Assemblies for Cessna and Piper Aircraft

McFarlane Fuel Quantity Transmitter Gaskets are made from Dupont Viton®. Viton is the premier elastomer of the aerospace industry, offering flexibility and fuel resistance at all temperature extremes. Viton gaskets will not dry out or shrink like cork gaskets and do not harden with age like gaskets made from other elastomers. McFarlane gaskets are available for most single engine Cessna and Piper aircraft.

McFarlane screw-seal assemblies for Cessna aircraft have been engineered to eliminate chronic problems associated with fuel quantity transmitter hardware. Hex drive head screws made from stainless steel eliminate the corrosion process. The hex drive promotes ease of installation and eliminates the necessity for destructive down pressure during transmitter screw removal and installation. The stainless steel/ Viton seal used on the hex drive screw provides a positive seal around the screw. No more leaks and seeps!

McFarlane screw-seal assemblies for Piper aircraft use the same time proven seals as our Cessna screw/seal assemblies but use a slotted screw with safety wire holes.



Fuel Transmitter Access Cover Gaskets for Cessna Aircraft

P/Ns MC0523619-1 and MC1422306-1

- Retains position and shape with an adhesive backing!
- Prevents rain and occasional fuel spill from entering the wing!
- Available separately or in fuel quantity transmitter kits
- Fits most Cessna aircraft with fuel transmitter access opening on the top of the wing



Fuel Quantity Transmitters for Piper and Maule Aircraft

Transmitters by Instrument Tech

Instrument Tech provides FAA-PMA approved fuel quantity transmitters for Piper and Maule aircraft. These are new direct replacements for the original and difficult to find Rochester and AC units. Designed for use with the original OEM fuel quantity gauge, Instrument Tech transmitters do not require any modifications to the fuel system.

Eligibility on next page


Gasket included!



Eligibility for Transmitters, Gaskets and Screw-Seal Assemblies

Cessna Aircraft

Model	Serial Numbers	Fuel Quantity Transmitter	Gasket	Screw/Seal Assembly	Kit
150, 150A,B,C,D,E,F,G,H,J,K,L,M A150K,L,M, F150F,G,H,J,L,M FA150K,L, FRA150L,M	17001 thru 59018 15059019 thru 15079405 A1500001 thru A1500734 F1500001 thru F1500390 FA1500001 thru FA1500120 FRA1500121 thru FRA1500336	Standard Tanks MC0426517-12	MCS1588-1 MC0523619-1 (access cover gasket)	MCS35010R1010	FQT-KT-19
150J1, F150J1	15069455 thru 15071128 F1500490 thru F1500529	Patrol Tanks N/A	MCS1588-1	MCS35010R14	N/A
152, A152, F152, FA152	15279406 thru 15286033 A1520735 thru A1521049 F15201429 thru F15201980 FA1520337 thru FA1520425	Standard Tanks N/A Extended Range Tanks N/A	MCS1588-1	MCS35010R1010	N/A
172,172A, 172B,C,D,E,F,G,H,I,J,K,L,M,N,P1 F172D,E,F,G,H,K,L,M FR172E,F,G,H,J,K R172K, FP172, P172D	36966 thru 47746 17247747 thru 17276516 F1720001 thru F17201234 FR17200001 thru FR17200675 R1722000 thru 1723454 FP1720001 thru FP1720003 P17257120 thru P17257188	MC0523557-1345	MCS1588-1 MC0523619-1 (access cover gasket)	MCS35010R1010	FQT-KT-29
175, 175A,B,C	55001 thru 17557119	MC0523557-1	MCS1588-1 MC0523619-1 (access cover gasket)	MCS35010R1010	FQT-KT-29
180A,B,C,D,E, F,G,H,J,K1	32662 thru 18053000	MC0726110-15	MCS1588-18 MCS1588-28	MS35207-2647	FQT-KT-39
182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q1 A182J,K,L,M,N, F182P,Q1	33843 thru 18266590 A1820001 thru A1820148 F1820001 thru F18200094	MC0726110-15	MCS1588-18 MCS1588-28	MS35207-2647	FQT-KT-39
185,185A,B,C,D,E, A185E,F1	1850001 thru 18503683	MC0726110-15	MCS1588-18 MCS1588-28	MS35207-2647	FQT-KT-39
188A, A188, A188A A188B, T188C	1880445 thru 18803856 18802349T thru 18803968T T18803297T thru T18803968T	MCC668002-02016	MCS1588-18 MCS1588-28	MS35207-2647	FQT-KT-49
210-5 (205), 210-5A (205A)	2050001 thru 2050577	MC0726110-15	MCS1588-2 Qty 2	MS35207-2647	FQT-KT-59
206,U206, U206A,B,C,D,E,F,G1 TU206A,B,C,D,E,F,G1, P206, P206A,B,C,D,E,F,G1, TP206A,B,C,D,E	2060001 thru U20604649	MC0726110-15	MCS1588-18 MCS1588-28	MS35207-2647	FQT-KT-39
206H, T206H, U206F,G, TU206F, G			MCS2670-1		
207,207A1, T207,T207A1	20700001 thru 20700482	MC0726110-15	MCS1588-1	MS35207-2647	FQT-KT-69
207, 207A, T207, T207A	20700483 thru 20700788		MCS2670-1		
208, 208B			MCS2670-1		
210, 210A,B,C,D,E,F, T210F	21057001 thru 21058818	MC0726110-15	MCS1588-18 MCS1588-28	MS35207-2647	FQT-KT-39
210N,R, P210N,R, T210N,R	All		MCS2670-1		
337, 377A,B,C,D,E,F,G,H, F337E,F,G,H, FT337E,F, FT337GP,HP, M337B, P337H, T337B,C,D,E,F,G,H, T337H-SP	All		MC1422306-1 (access cover gasket)		

1 Partial model eligibility
2 This transmitter does not fit aircraft equipped with extended range fuel tanks.
3 Do not use this transmitter with gauge cluster P/N C669562-108 (Rochester® manufacture). This gage cluster could have been factory installed on aircraft built in 1978 or newer beginning with S/N 17269310.
4 Do not use this transmitter in aircraft with extended range fuel tanks with gage cluster P/N C669562-0109 (Rochester® manufacture). This gage cluster could have been factory installed on aircraft built in 1979 or newer beginning with S/N 17271035.
5 Includes aircraft with extended range fuel tanks.
6 188 model series with wing fuel tanks only.
7 A seal is not used in this application. P/N MS35207-264 supercedes P/N AN52010R10. P/N MS35207-264 is an industry standard hardware component.
8 Where both MCS1588-1 (approximately 1/8" thick) and MCS1588-2 (approximately 1/16" thick) are required, install MCS1588-1 between the transmitter and rib and install MCS1588-2 between the fuel cell and rib.
9 Each kit contains one transmitter, one or two gaskets and five screws or screw/seal assemblies as applicable. The fuel transmitter access cover gasket P/N MC0523619-1 is included when purchasing kit P/N FQT-KT-1 and FQT-KT-2.
10 Replaces Cessna P/Ns S350, AN960D10L and AN52010R10 when used to secure the fuel quantity transmitter. Quantity of 5 required per transmitter.
11 Replaces Cessna P/Ns S350, AN960D10L and AN52010R14 when used to secure the fuel quantity transmitter. Quantity of 5 required per transmitter.

Note: 9812 Series Transmitters are manufactured by Instrument Tech.

Piper and Maule Fuel Quantity Transmitters on the following page

Eligibility for Transmitters, Gaskets and Screw-Seal Assemblies

Piper Aircraft

Model	Serial Numbers	Fuel Quantity Transmitter	Gasket	Screw/Seal Assemblies	Kit
PA-28		9812-0026-101 replaces PS10013-11, 548-671 and 7740-00309			
PA-28-140	28-20551 thru 28-26956, 28-7125001 thru 28-7125651 28-7225001 thru 28-7225612, 28-7325001 thru 28-7325684 28-7425001 thru 28-7425454, 28-7525001 thru 28-7525350 28-7625001 thru 28-7625234, 28-7725001 thru 28-7725290	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]
PA-28-150, PA-28-160	28-1761 thru 28-4377	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]
PA-28-151	28-7415001 thru 28-7415703, 28-7515001 thru 28-7515449 28-7615002 thru 28-7615435, 28-7715001 thru 28-7715314	MC68101-02[1]	MC461-931	MC1802	FQTP-KT-2[2]
PA-28-161	28-7716002 thru 28-7716323, 28-7816001 thru 28-7816680 28-7916001 thru 28-7916598, 28-8016001 thru 28-8016373 28-8116001 thru 28-8116268, 28-8216007, 28-8216014, 28-8216017, 28-8216019, 28-8216021	MC68101-02[1]	MC461-931	MC1802	FQTP-KT-2[2]
		9812-0026-101 replaces PS10013-11, 548-671 and 7740-00309			
PA-28-180	28-1761 thru 28-5869, 28-7105001 thru 28-7105244 28-7205001 thru 28-7205328, 28-7305001 thru 28-7305611 28-7405001 thru 28-7405290, 28-7505001 thru 28-7505261	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]
PA-28-181	28-7690001 thru 28-7690467, 28-7790001 thru 28-7790607 28-7890001 thru 28-7890551, 28-7990001 thru 28-7990589 28-8090001 thru 28-8090372, 28-8190001 thru 28-8190279 28-8290017, 28-8290018, 28-8290028, 28-8290033, 28-8290034, 28-8290036	MC68101-02[1]	MC461-931	MC1802	FQTP-KT-2[2]
		9812-0026-101 replaces PS10013-11, 548-671 and 7740-00309			
PA-28R		9812-0023-101 replaces PS10013-5, 550-503 and 7740-00040 9812-0024-101 replaces PS10013-6, 550-504 and 7740-00041			
PA-28R-180	28R-30005 thru 28R-30481, 28R-30483 thru 28R-31279 28R-7130001 thru 28R-7130019	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]
PA-28R-200	28R-30482, 28R-35001 thru 28R-35830 28R-7135001 thru 28R-7135238, 28R-7235001 thru 28R-7235330 28R-7335001 thru 28R-7335455, 28R-7435001 thru 28R-7435331 28R-7535001 thru 28R-7535393, 28R-7635001 thru 28R-7635545	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]
PA-200T		9812-0023-101 replaces PS10013-5, 550-503 and 7740-00040			
PA-28R-201		9812-0023-101 replaces PS10013-5, 550-503 and 7740-00040 9812-0024-101 replaces PS10013-6, 550-504 and 7740-00041			
PA-28R-201T		9812-0023-101 replaces PS10013-5, 550-503 and 7740-00040			
PA-28RT, PA-28RT-201, PA-28RT-201T		9812-0024-101 replaces PS10013-6, 550-504 and 7740-00041			
PA-28-235	28-10003 thru 28-11393, 28-7110001 thru 28-7110042 28-7210001 thru 28-7210033, 28-7310001 thru 28-7310187 28-7410001 thru 28-7410120, 28-7510001 thru 28-7510145 28-7610001 thru 28-7610206, 28-7710001 thru 28-7710089	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]

Eligibility continued on next page

Eligibility for Transmitters, Gaskets and Screw-Seal Assemblies

Piper Aircraft continued from previous page

Model	Serial Numbers	Fuel Quantity Transmitter	Gasket	Screw/Seal Assemblies	Kit
PA-31 PA-31-300 PA-31-325 PA-31-350 PA-31P	31-1 thru 31-861, 31-7300901 thru 31-8312019 31-5001 thru 31-5004, 31-7305005 thru 31-8553002 31P-1 thru 31P-80, 31P-7300110 thru 31P-7730012	9812-0001-101 replaces PS50149-2, PASC40648-2, 40648-2, 550-695, 6427512			
		9812-0002-101 replaces PS50149-3, PAC40648-3, 40648-3, 550696, 6727511			
		9812-0003-101 replaces PS50149-4, PAC40648-4, 40648-4, 550-697, 6427514			
		9812-0004-101 replaces PS50149-5, PAC40648-5, 40648-5, 550-698, 6427513			
PA-32-260	32-1 thru 32-1320 32-7100001 thru 32-7100038, 32-7200001 thru 32-7200055 32-7300001 thru 32-7300076, 32-7400001 thru 32-7400061 32-7500001 thru 32-7500053, 32-7600001 thru 32-7600033 32-7700001 thru 32-7700023, 32-7800001 thru 32-7800008	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]
PA-32-300	32-40000 thru 32-41018, 32-7140001 thru 32-7140086, 32-7240001 thru 32-7240147 32-7340001 thru 32-7340201, 32-7440001 thru 32-7440182 32-7540001 thru 32-7540198, 32-7640001 thru 32-7640142 32-7740001 thru 32-7740113, 32-7840001 thru 32-7840222	MC68101-02[1]	MC462-021	MC1802	FQTP-KT-1[2]
PA-34		9812-0023-101 replaces PS10013-5, 550-503 and 7740-00040 9812-0024-101 replaces PS10013-6, 550-504 and 7740-00041			
PA-34-200		9812-0024-101 replaces PS10013-6, 550-504 and 7740-00041			
PA-34-200T		9812-0023-101 replaces PS10013-5, 550-503 and 7740-00040			
PA-34-220T		9812-0023-101 replaces PS10013-5, 550-503 and 7740-00040			
PA-44, PA-44-180		9812-0025-101 replaces PAC86688-002, 548-218 and 7740-00164			

[1] Not interchangeable with "Rochester type" fuel quantity transmitters. Transmitter is not to be used in aircraft equipped with Rochester manufactured fuel gauges that may have been installed as a Piper service spare part, in accordance with a Piper Service Kit.
[2] Each kit contains: (1) Transmitter, (1) Gasket and (5) Screw/Seal Assemblies

Maule Aircraft

Model	Fuel Quantity Transmitter
Bee Dee Ms4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180S, M-4-180T, M-4-180V, M-4-2 IOS, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, MX-7-235, MX-7-180, MX-7-420, MXT-7-180, MT-7-235, M-8-235, MX-7-160, MXT-7-160, MX-7-180A, MXT-7-180A, MX-7-180B, M-7-235B, M-7-235A, M-7-235C,MX-7-180C, M-7-260, MT-7-260, M-7-260C, M-7-420AC, MX-7-160C, M-7-180AC, M-7-420A, MT-7-420, M-9-235	9812-0028-101 replaces 7740-00304 [3]

[3] **INSTALLATION WARNING**: P/N 9812-0028-101 WILL NOT replace the old Stewart Warner type Senders. Please check what type you have before installation.

Fuel Cap Gaskets for Cessna Aircraft

No more leaking or hard to open fuel caps!
P/N FC-KT-1 (for caps P/N C156003-0101 and P/N C156004-0101)
P/N FC-KT-2 (for cap P/N 0426015-1)
Our unique double gasket slip ring arrangement combined with our FAA approved instructions for adjusting the tightness of the cap allows leak free fuel caps that don't require super-human strength to open.

- Kit contains required gasket and slip ring as required
- Fuel proof Viton® and Teflon® for long life

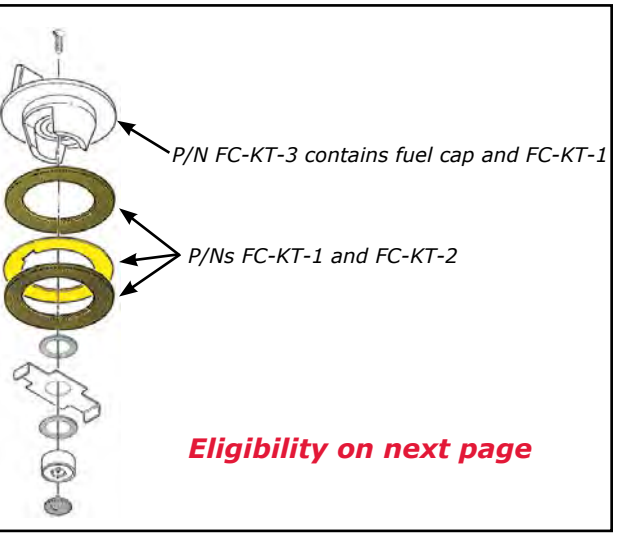
Fuel Cap Gasket Kit for Cessna Aircraft

P/N FC-KT-3[2] contains one P/N C156003-0101 and one P/N FC-KT-1



FC-KT-1

FC-KT-2



Eligibility on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Fuel Cap Gaskets for Cessna Aircraft continued from previous page

Aircraft	Serial Number	Kit P/N FC-KT-1[2]	Kit P/N FC-KT-2[3]
140A	All	•	
150, 150A,B,C,D,E,F,G,H,J,K	All	•	
150L[1]	15072004 thru 15072628	•	
150L[1],M	15072629 thru 15079405	•	•
A150K	All	•	
A150L[1]	A1500227 thru A1500276	•	
A150L[1],M	A1500277 thru A1500734	•	•
F150F,G,H,J,K,L[1]	F150-0001 thru F1500738	•	
F150L[1],M	F15000739 thru F15001428	•	•
FA150K,L[1]	FA1500001 thru FA1500166	•	
FA150L[1],M	FA1500167 thru FA1500336	•	•
FRA150L,M	FRA1500121 thru FRA1500166	•	
	FRA1500167 thru FRA1500336	•	•
152	15279406 thru 15279629	•	•
	15279630 thru 15286033	•	
A152	A1520735 thru A1520741	•	•
	A1520742 thru A1521049	•	
F152	F15201429 thru F15201528	•	•
	F15201529 thru F15201980	•	
FA152	FA1520337 thru FA1520347	•	•
	FA1520348 thru FA1520425	•	
170, 170A,B	18729 thru 27169	•	
172, 172A,B,C,D,E,F,G,H,I,K,L[1]	28000 thru 17259823	•	
172L[1],M, N[1]	17259824 thru 17269468	•	•
172N[1],P,Q,R,S, 172RG	17269469 thru 172S99999	•	
F172D,E,F,G,H,J,K	F172-0001 thru F17200804	•	
F172L,M,N[1]	F17200805 thr F17201749	•	•
F172N[1],P	F17201750 thru F17202254	•	
FR172E,F,G,H[1]	FR17200001 thru FR17200300	•	
FR172 H[1],J,K[1]	FR17200301 thru FR17200630	•	•
FR172K[1]	FR17200631 thru FR17200675	•	
R172K	R1722000 thru R1722751	•	•
	R1722752 thru R1723454	•	
FP172, P172D	All	•	
175, 175A,B,C	All	•	
177, 177A,B	All	•	
177RG, F177RG	All	•	
180, 180A,B,C,D,E,F,G,H,J,K	All	•	
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R	33000 thru 18268434	•	
182R,S,T, T182T	18268435 and On	•	
F182P,Q, FR182	All	•	
R182	R18202000 thru R18202041	•	
	R18200001 thru R18201999	•	
T182	18268435 thru 18268541	•	
	18267716 thru 18268434	•	
TR182[1]	R18200584 thru R18501999	•	
	R18202000 and On	•	
185, 185A,B,C,D,E, A185E,F[1]	185-0001 thru 18504424	•	
A185F[1]	18504425 thru 18504448	•	
188[1], 188A,B, A188A, A188B[1]	188-0446 thru 18803296	•	
A188B[1]	18803297 and On	•	
	18800967T thru 18803296T	•	
	18803297T thru 18803973T	•	
T188C	T18803325T thru T18803974T	•	
210-5 (205), 210-5A, (205A)	All	•	
206	All	•	
206H, T206H	All	•	
P206, P206A,B,C,D,E	All	•	
TP206A,B,C,D,E	All	•	
U206, U206A,B,C,D,E,F,G[1], TU206A,B,C,D,E,F,G[1]	U206-0276 thru U20606846	•	
U206G[1], TU206G[1]	U20606847 and On	•	
207, 207A, T207, T207A	All	•	
210, 210A,B,C,D,E,F,G,H,J,K[1],	57001 thru 21059361	•	
T210F,G,H,J	All	•	
210N[1],R, T210N[1],R	21064136 thru 21065009	•	
336, 337, 337A,B,C,D,E,F,G,H	All	•	
F337E,F,G,H, FT337GP, FT337HP, M337B, P337H T337G,H	All	•	

[1] Partial model eligibility
[2] P/N FC-KT-1 and FC-KT-3 are only eligible for indicated aircraft when equipped with fuel cap P/Ns C156003-0101 or C156004-0101
[3] P/N FC-KT-2 is only eligible for the indicated aircraft when they are equipped with fuel cap P/N 0426015-1

Fuel Cap for Cessna Aircraft

Replace worn out caps!
P/N C156003-0101

- Fits most Cessna aircraft
- Vented

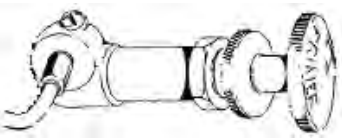


Manufactured by Cessna

Fuel Primer Seal Kit

P/N FPS-KT-1
Contains two MIL-SPEC fuel-proof fluoroelastomer (Viton) O-rings required to service most standard fuel primers.





Fuel Caps for Piper Aircraft

Improved materials and better design

- Fuel caps with "CA" prefix have fuel resistant elastomer to resist swelling, and a stronger lever that resists bending
- P/N 3267- a vented cap with a vertical fin on top for easy removal and made of stainless steel to prevent corrosion



P/N 3267



P/N CA16097N



P/N CA21821N



P/N CA27221N



P/N CA17672N

P/N	Cap	Replaces OEM P/N	Eligible Models
3267	Vented	10188-00, 454009	PA-11, PA-11S, PA-12, PA-12S, PA-14, PA-18, PA-20, PA-22
CA16097N	Vented	160297-000	PA-23-235 and PA-23-250, s/n 27-1 thru 27-7554168
CA17672N	Vented	454-084, 17672-000	PA-23, PA-23-160
CA21821N		21821-000, 27221-000	PA-24-250, 260 S/N 24-2299 and on (aux. fuel system only). Shorter, easier to remove from the filler opening.
CA27221N	Non-vented	27221-00, 554-180	PA-24-180,-250,-260,-400, PA-30,PA-39
Manufactured by PMA Products, Inc. and F Atlee Dodge			

Fuel Cap Seals for Piper, Beech, Mooney, and Cessna Citations

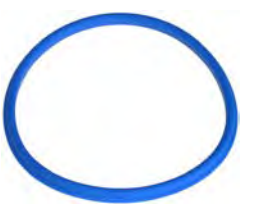
Manufactured by PMA Products, Inc.

Don't pay $750.00 for a fuel cap when you only need to replace the seal!
P/Ns CA38241 and CA457-98:

- The only seals that legally replace the main seal on many Beech, Cessna, and Mooney fuel caps
- Made of a fluorosilicone material with unlimited shelf life
- CA38241: Molded seal with a lip - designed for "lightning proof" fuel caps
- CA457-98: Round O-ring seal

P/N CA66815-000A:

- Round O-ring seal made of Viton to eliminate any swelling issues experienced when using AutoGas



P/N CA38241



P/N CA66815-000A

Part Number	Replaces OEM P/N	Eligible Models
CA38241	Beech P/N 38241, 38283 used with P/N 38339, 100-381005-1 or 100-381005-5 fuel caps only	99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200T, 200C, 200CT, B200, B200T, B200C, B200CT, B300, B300C, 1900, 1900C, 1900D
	Cessna	525 s/n 0549 and on, 650 s/n 0001 thru 0101 (incorporating SB650-28-23), 0102 and on, 680, 750
	Mooney seals used with P/N 457-370 fuel caps only	M20C,D,E,F,G,J (with O&N Aircraft Mod. fuel bladders per STC SA2277CE & SA2350CE)
CA457-98	Beech P/N 457-98, 457-98-1	E90, F90, 99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200T, 200C, 200CT, B200, B200T, B200C, B200CT
CA66815-000A	Piper P/N 66815-000, 462-056 used with fuel cap assemblies P/N 66817-00, 39824-02, 38599-02 or 66817-02 only	PA-28-140,150,160,180 s/n 28-1761 and on, PA-28-151,161,181,201T,235,236, PA-28R-180, PA-28R-200 s/n 28R-30482, 28R-35001 thru 28F-7135238, PA-28-201, PA-28R-201, PA28R-201T, PA-28RT-201, PA-32-260, PA-32-300 s/n 32-40000 thru 32-7840222 and 32-7940001 and on, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32-301, 301T, PA-32R-301, PA-32R-301T, PA-34-200, PA-34-220T, PA-38-112, PA-44-180, -180T

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Fuel Strainer Parts for Cessna Aircraft

We offer fuel bowls, top assemblies, fuel bowl washers, fuel bowl nuts, standpipes, plungers, stainless steel washers for your plunger, fuel-proof flourocarbon O-rings, fuel strainer drain cables and fuel strainer seal kits.
Buy any components separately or as convenient kits.

- Improved safety
- More reliable
- Longer life
- Less money

Eligibility on the next page

Fuel Bowl
P/N MC0756008-1



- Computer machined (not die cast)
- Gold anodized for additional corrosion resistance
- This bowl is engineered to last!

Fuel Strainer Seal Kits
P/Ns FS-KT-1, FS-KT-9, FS-KT-10 and FS-KT-11



- Only McFarlane has approval to replace the old less fuel resistant O-rings with the latest fuel-proof flourocarbon O-ring.
- Kits include applicable gasket and O-rings to seal the fuel strainer

Fuel Strainer Gasket
P/N MC0756041-1



- Fuel proof Viton foam won't shrink or harden from fuel exposure
- Fits restart Cessna aircraft and late U206G/TU206G models

Fuel Strainer Plunger
P/N MC0756010-11



- Special electro polished shaft for longer O-ring life
- McFarlane's Vulcanize bonded blue Viton® rubber tip outlasts the original in any fuel

Fuel Strainer Standpipe
P/N MC0756011-1



- Stainless steel
- Costs less
- No more corrosion pits
- No more stripped threads
- The last one you will buy!

Fuel Strainer Drain Cables
P/N MCS1517 Series



- Stainless steel conduit
- Improved aluminum knob
- Larger wire diameter

Fuel Top Assembly
P/N MC0756005-2



- All aluminum construction prevents galvanic corrosion between housing and inlet tube
- Fully anodized to prevent corrosion and galvanic reaction between the brass filter and aluminum inlet tube
- Improved fuel inlet tube attachment ensures secure fit



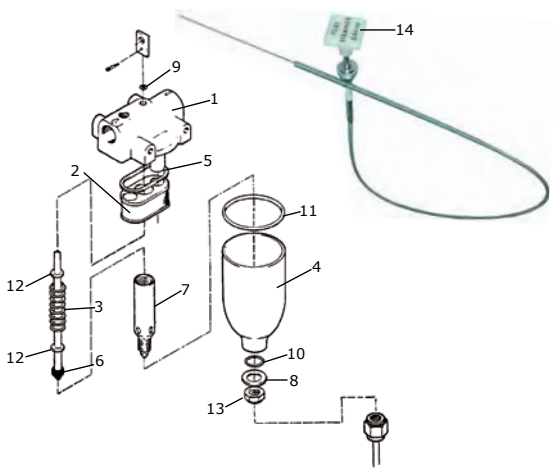
Maintenance Tip:
Cleaning the Fuel Screen - To remove the fuel screen, remove the standpipe. The rubber tipped plunger must be unseated before the standpipe is loosened. Failure to lift the plunger off of its standpipe seat can damage the plunger. Pull the strainer drain knob as if you were draining the fuel bowl. Block or clamp the knob in this position. Insert a smooth round tool such as a screw driver or punch in the standpipe cross-hole and un-screw the standpipe.

Fuel Strainer Kits

Save time and money with convenient kits!

See eligibility on the following page

Qty	Part Number	Description	Idx
FS-KT-1 Fuel Strainer Seal Kit			
1	MC0756009-8	Gasket	5
1	MCM83248/1-010	O-ring	9
1	MCM83248/1-111	O-ring	10
1	MCM83248/1-138	O-ring	11
FS-KT-2 Fuel Bowl Kit			
1	FS-KT-1	Fuel Strainer Seal Kit	
1	MC0756008-1	Fuel Bowl	4
1	MC0756015-1	Washer	8
1	MCS1573-3	Nut	13
FS-KT-3 Fuel Strainer Rebuild Kit			
1	FS-KT-2	Fuel Bowl Kit	
1	0756012-1	Spring	3
1	MC0756010-11	Plunger	6
1	MC0756011-1	Standpipe	7
2	MCS1450-27A7-032	Washer	12
FS-KT-4 Fuel Strainer Kit			
1	FS-KT-3	Fuel Strainer Kit	
1	MC0756005-2	Top Assembly	1
1	0756009-1	Filter	2
FS-KT-5 Fuel Strainer and Cable Kit			
1	FS-KT-4	Fuel Strainer Kit	
1	MCS1517-7	Strainer Drain Cable	14
FS-KT-6 Fuel Strainer Kit			
1	MC0756005-2	Top Assembly	1
1	0756009-7	Filter	2
1	FS-KT-3	Fuel Strainer Rebuild Kit	
FS-KT-7 Fuel Strainer and Cable Kit			
1	FS-KT-6	Fuel Strainer Kit	
1	MCS1517-7	Strainer Drain Cable	14
FS-KT-9 Fuel Strainer Seal Kit			
1	MC0756041-1	Gasket	15
1	M83248/1-011	O-ring	18
1	M83248/1-111	O-ring	17
1	M83248/1-138	O-ring	16
FS-KT-10 Fuel Strainer Seal Kit			
1	MC0756041-1	Gasket	15
1	M83248/1-010	O-ring	9
1	M83248/1-111	O-ring	17
1	M83248/1-138	O-ring	16
FS-KT-11 Fuel Strainer Seal Kit			
1	MC0756041-1	Gasket	15
1	M83248/1-111	O-ring	17
1	M83248/1-138	O-ring	16
FS-KT-12 Fuel Plunger Kit			
1	FS-KT-1	Fuel Strainer Seal Kit	
1	MC0756010-11	Plunger	6
1	MC0756015-1	Washer	8
1	MCS1573-3	Nut	13



Eligibility for Cessna Fuel Strainer Parts and Kits





Cessna Models	Serial Numbers	P/N and Description	MC0756005-2 Fuel Top Assembly	MC0756008-1 Fuel Bowl	MC0756010-11 Fuel Strainer Plunger	MC0756011-1 Fuel Strainer Standpipe	MCS15517-7 Fuel Strainer Drain Cable	FS-KT-1 Fuel Strainer Seal Kit	FS-KT-2 Fuel Bowl Kit	FS-KT-3 Fuel Strainer Rebuild Kit	FS-KT-4 Fuel Strainer Kit	FS-KT-5 Fuel Strainer and Cable Kit	FS-KT-6 Fuel Strainer Kit	FS-KT-7 Fuel Strainer and Cable Kit	FS-KT-9 Fuel Strainer Seal Kit	FS-KT-10 Fuel Strainer Seal Kit	FS-KT-11 Fuel Strainer Seal Kit	FS-KT-12 Fuel Plunger Kit
150E[1]	15060773 thru 15061152						•											
150E[1],F,G,H,J,K,L,M, A150K,L,M	15061153 thru 15079405 and A1500001 thru A1500734		•	•	•	•	•	•	•	•	•	•						•
F150F,G,H,J,K,L,M, FA150K,L,M	All		•	•	•		•	•	•									
FRA150L,M	All		•				•											
152, A152	All		•	•	•	•	•	•	•	•	•	•						•
F152, FA152	All		•	•	•		•	•	•									
172D,E,F[1]	17249545 thru 17252533						•											
172F[1],G,H	17252534 thru 17256512 and 638		•	•	•	•	•	•	•	•	•	•						•
172I,K,L,M,N,P,Q	All		•	•	•	•	•	•	•	•	•	•						•
172R,S	All														•			
172RG	172RG0001 thru 172RG0890 and 691		•	•	•	•	•	•	•	•	•	•						•
172RG	172RG0891 thru 172RG1191		•	•		•	•	•	•									
P172D	All			•		•		•	•	•	•							
F172D,F[1]	F172-0001 thru F172-0139						•											
F172F[1],G,H,K,L,M,N,P	F172-0140 thru F17202254		•	•	•		•	•	•									
FR172E	All		•	•	•			•	•									
FR172F,G,H,J,K	All		•	•	•		•	•	•									
R172E	All		•															
R172F,G,H	All		•				•											
R172K	All		•	•	•		•	•	•									
177, 177A,B	All		•	•	•	•	•	•	•	•	•	•						•
177RG	All		•	•	•	•		•	•	•	•							•
F177RG	All		•		•													
180H[1],J,K	18051497 thru 18051875		•	•	•	•		•	•	•	•							•
180H[1],J,K	18051876 thru 18053203[2]		•	•	•	•	•	•	•	•	•	•						•
182H[1],J,K	18256040 thru 18258505 and 675, 18255845		•	•	•	•		•	•	•	•							•
182L,M,N,P,Q,R	All		•	•	•	•	•	•	•	•	•	•						•
182S,T, T182T	All																•	
F182P,Q	All		•	•	•		•	•	•									
FR182	All		•	•	•		•	•	•									
R182, TR182	All		•	•	•	•	•	•	•	•	•	•						•
T182	All		•	•	•	•	•	•	•	•	•	•						•
185D[1],E	185-0844 thru 185-1149		•	•	•	•		•	•	•			•					•
A185E[1]	185-0968 thru 185-1149		•															
A185E[1],F	185-1150 thru 185-1300		•	•	•	•		•	•	•			•					•
A185E[1],F	185-1301 thru 18504448		•	•	•	•	[2]	•	•	•			•	[2]				•
188,188A,B	188-0001 thru 18802348 and 653		•	•	•	•	•	•	•	•								•
A188,A188A,B[1] (w/fuselage tanks)	188-0001 thru 18802348, 18800833T thru 18802348T and 653, 678T		•	•	•	•	•	•	•	•			•	•				•
A188,A188A,B[1] (w/wing tanks)	188-0001 thru 18802348, 18800833T thru 18802348T and 653, 678T		•	•	•	•	[3]	•	•	•			•					•
A188B[1] (w/fuselage tank)	18802349 thru 18802745		•	•	•	•	•	•	•	•			•	•				•
A188B[1] (w/wing tanks)	18802349 thru 18803973, 18802349T thru 18803973T		•	•	•	•	[3]	•	•	•			•					•
T188C	T18803325T thru T18803974T and T18802839T, 3307T, 3308T		•	•	•	•	[3]	•	•	•			•					•
206H,T206H	All																•	
P206,P206A,B, TP206A,B	All		•	•	•	•		•	•	•			•					•
P206C,D,E, TP206C,D,E	All		•	•	•	•	•	•	•	•			•	•				•
U206, U206A,B	All		•	•	•	•		•	•	•			•					•
U206C,D,E,F[1],G[1]	U206-0915 thru U20606846 and 676		•	•	•	•	•	•	•	•			•	•				•

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Eligibility for Cessna Fuel Strainer Parts and Kits continued from previous page



Cessna Models	Serial Numbers	P/N and Description	MC0756005-2 Fuel Top Assembly	MC0756008-1 Fuel Bowl	MC0756010-11 Fuel Strainer Plunger	MC0756011-1 Fuel Strainer Standpipe	MCS1517-7 Fuel Strainer Drain Cable	FS-KT-1 Fuel Strainer Seal Kit	FS-KT-2 Fuel Bowl Kit	FS-KT-3 Fuel Strainer Rebuild Kit	FS-KT-4 Fuel Strainer Kit	FS-KT-5 Fuel Strainer and Cable Kit	FS-KT-6 Fuel Strainer Kit	FS-KT-7 Fuel Strainer and Cable Kit	FS-KT-9 Fuel Strainer Seal Kit	FS-KT-10 Fuel Strainer Seal Kit	FS-KT-11 Fuel Strainer Seal Kit	FS-KT-12 Fuel Plunger Kit
U206G [1]	U20606847 thru U20607020						•									•		
TU206A,B	All	•	•	•	•		•	•	•				•					•
TU206C,D,E,F[1],G[1]	U206-0915 thru U20606846 and 676	•	•	•	•	•	•	•	•				•	•				•
TU206G[1]	U20606847 thru U20607020					•										•		
207,207A,T207,T207A	All	•	•	•	•	•	•	•	•				•	•				•
210E,F,G	All	•	•	•	•		•	•	•				•					•
210H,J,K,L,M,N[1]	21058937 thru 21064535	•	•	•	•	•	•	•	•				•	•				•
210N[1]	21064536 thru 21064897		•		•	•	•	•										
210R, T210R	All	•				•												
T210F,G	All	•	•	•	•		•	•	•				•					•
T210H,J,K,L,M,N[1]	T210-0308 thru T210-0454, 21059200 thru 21064535 and 21058140	•	•	•	•	•	•	•	•				•	•				•
T210N[1]	21064536 thru 21064897	•	•		•	•	•	•										
P210N[1]	P21000001 thru P21000760	•	•	•	•	•	•	•	•				•	•				•
P210N[1]	P21000761 thru P21000834		•		•	•	•	•										
337, 337A,B,C,D,E,F	All	•	•	•			•	•										
337G,H (standard range)	All	•	•	•	•		•	•	•				•					•
337G,H (long range), F337E,F,G,H	All	•	•	•			•	•										
FT337E,F, FT337GP, FT337HP	All	•	•	•			•	•										
T337B,C,D,E,F[1]	337-0526 thru 33701351 and 337-0001	•	•	•			•	•										
T337F[1]	33701352 thru 33701398	•	•				•	•										
T337H (standard range)	All	•	•				•	•										
T337H (long range)	All	•	•		•		•	•										
T337G, P337H	All	•		•	•													
T1137H-SP	All	•																

[1] Partial model eligibility
[2] Aircraft without floats use P/N MCS1517-7 and Aircraft with floats use P/N MCS1517-4.
[3] Models 188, 188A, A188, A188A,B S/N 188-0446 thru 18803926T with wing tanks use P/N MCS1517-12. Model T188C, S/N T18803297T thru T18803926T with wing tanks use P/N MCS1517-15.

Fuel Strainer Seal Kits for Piper Aircraft

Graphics not to scale

PA-23 thru PA-46

See next page for details and eligibility

See next page!

FSP-KT-1
P/N MC751-882 Upper Gasket and
P/N MC753-205 Lower Stat-O-Seal



FSP-KT-2
P/N MC757-255 Upper O-ring and
P/N MC751-898 Lower Stat-O-Seal

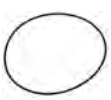


FSP-KT-3
P/N CA751-871 Gasket
P/N MS29513-008 O-ring

FSP-KT-4
P/N MS29513-043 O-ring
P/N MS29513-008 O-ring



O-ring
P/N MS29513-008



O-ring
P/N MS29513-043



Gasket
P/N CA751-871

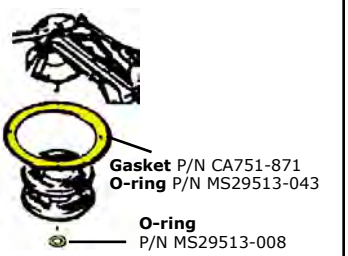
Fuel Strainer Seal Kits for Piper Aircraft continued from previous page

Improved seal at half the price!
Each kit includes both the upper and lower seal for one fuel strainer. Parts also available individually.



PA-23 and PA-44 Series
Kit P/N FSP-KT-1
Replace leaky copper crush seals with high performance Stat-O-Seals

- FAA-PMA approval to replace P/N 753-205 copper crush gaskets on the Aztec, Apaches, and Seminoles with stainless steel/fluorocarbon Stat-O-Seals
- The old copper crush gaskets were unreliable and poorly suited for sealing against the small lip on the bottom of the fuel bowl. They often required several attempts to get a satisfactory seal
- With our improved Viton Stat-O-Seal design, a positive seal is ***easy to achieve!***
- Kit also includes P/N MC751-882 upper gasket



PA-31, PA-34, PA-36, and PA-46 Series
Kit P/N FSP-KT-2
Fuel Proof O-Rings and Stat-O-Seals

- Improved FAA-PMA O-rings and Stat-O-Seals
- Fuel proof fluorocarbon that won't swell or degrade like the original Buna N seals

PA-24, PA-28-235, PA-30, PA-32, and PA-39 Series
Kit P/Ns FSP-KT-3 and FSP-KT-4
Fuel Bowl Gasket and O-Rings

- FSP-KT-3 replaces P/N 751-871 upper gasket and MS29513-008 (supersedes Piper P/Ns 755-919, 485-331, and 485-332) lower seal O-ring used on most of these aircraft
- However, some PA-28-235 and PA-32 aircraft use a newer style fuel strainer that use a MS29513-043 (supersedes Piper P/Ns 762-503 and 483-330) O-ring for an upper seal instead of the 751-871 gasket. These aircraft must use P/N FSP-KT-4.
- Kits contain PMA gaskets, standard O-rings, and O-rings per Piper SB 1198A



PA-28 Series (except PA-28-235)
P/N CA462-049
Fuel Strainer/Gascolator Gasket

- FAA-PMA approved direct replacement for Piper P/N 462-049
- P/N CA462-049 not recommended to be used with autogas

Aircraft Model	Serial Number	Gasket/O-ring Upper Seal P/N	Gasket/O-ring Lower Seal P/N	Kit P/N
PA-23-235, 250	All	MC751-882	MC753-205	FSP-KT-1
PA-E23-250	All	MC751-882	MC753-205	FSP-KT-1
PA-24-400	All	CA751-871	MS29513-008	FSP-KT-3
PA-28-140, 150, 160, 180	All	CA462-049	N/A	N/A
PA-28-151, 161	All	CA462-049	N/A	N/A
PA-28-181	28-7690001 thru 28-7990626, 28-8090001 thru 28-8690062	CA462-049	N/A	N/A
PA-28-201T	All	CA462-049	N/A	N/A
PA-28-235	All	CA751-871 (gasket) MS29513-043 (O-ring)	MS29513-008	FSP-KT-3 (gasket) FSP-KT-4 (O-ring)
PA-28-236	All	CA462-049	N/A	N/A
PA-28R-180	All	CA462-049	N/A	N/A
PA-28R-200	All	CA462-049	N/A	N/A
PA-28R-201, 201T	All	CA462-049	N/A	N/A
PA-28RT-201, 201T	All	CA462-049	N/A	N/A
PA-30	All	CA751-871	MS29513-008	FSP-KT-3
PA-31	All	MC757-255	MC751-898	FSP-KT-2
PA-31-300	All	MC757-255	MC751-898	FSP-KT-2
PA-31-325	All	MC757-255	MC751-898	FSP-KT-2
PA-31-350, 350 (T1020)	All	MC757-255	MC751-898	FSP-KT-2
PA-31P, 350	All	MC757-255	MC751-898	FSP-KT-2
PA-32-260	All	CA751-871 (gasket) MS29513-043 (O-ring)	MS29513-008	FSP-KT-3 (gasket) FSP-KT-4 (O-ring)
PA-32-300	All	CA751-871 (gasket) MS29513-043 (O-ring)	MS29513-008	FSP-KT-3 (gasket) FSP-KT-4 (O-ring)
PA-34-200T, 220T	All	MC757-255	MC751-898	FSP-KT-2
PA-36-285, 300, 375	All	MC757-255	MC751-898	FSP-KT-2
PA-38-112	All	CA462-049	N/A	N/A
PA-39	All	CA751-871	MS29513-008	FSP-KT-3
PA-44-180, 180T	All	MC751-882	MC753-205	FSP-KT-1
PA-46-310P, 350P	All[1]	MC757-255	MC751-898	FSP-KT-2
PA-46R-350T	All[1]	MC757-255	MC751-898	FSP-KT-2

Note:
[1] When equipped with filter assembly 561-046 or 599-180 (Air Maze).

P/N with MC prefix is mfg by McFarlane.
P/N with CA prefix is mfg by PMA Products.

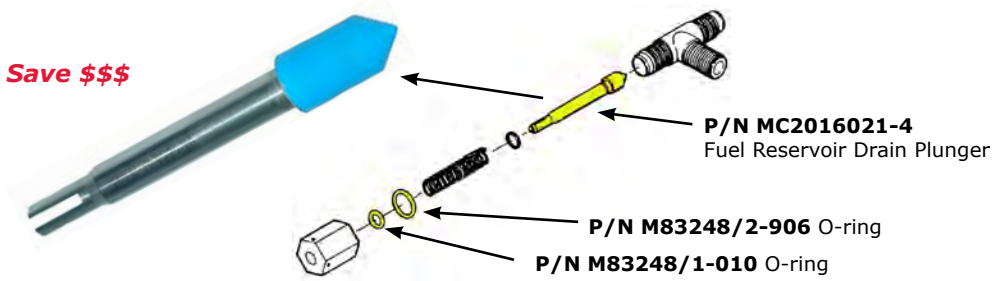

Fuel Strainer/ Gascolator Gasket
P/N CA462-049


Copper Crush Gasket
P/N 753-205

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 177RG and F177RG Fuel Reservoir Drain Plunger

- All metal, one piece design eliminates the flimsy C-clip
- McFarlane's Vulcanize bonded blue Viton® rubber tip outlasts the original in any fuel
- Convenient kits available containing the plunger and O-rings, P/N FDV-KT-1



Fuel Bowl Gaskets for Cessna 300 thru 400 Series

P/N CAB3-11-1
Replaces OEM P/N B3-11-1



Manufactured by PMA Products

P/N CAB3-11-1
300 series (except 303)
400 series (except 02C, 406, 425, 441)

Marvel-Schebler Fuel Inlet Screen Gaskets and Cotter Keys

The copper gaskets should be changed when finger screens are inspected at each annual inspection

- Fits many carbureted aircraft!
- Cad plated for corrosion resistance!
- Save up to 70%!



MC16-A108 *MC16-A36* *MC16-A48* *MC82-1 MC82-11 MC82-14*

Engine Model		Marvel-Schebler/Facet Carburetor Models	P/N
Continental	Lycoming		
A-65, A-75, C-85, C-90, O-200, C-125, C-145, O-300	O-235, O-290, O-320	MA-3, MA-3PA, MA-3A, MA-3SPA, MA-4SPA	MC16-A36
GO-300, O-470	O-340, O-360, O-435, O-540	MA-4-5, MA-5AA, MA-4-5AA, MA-5, MA-6, MA-6AA, A-6	MC16-A48
		MA4-5, MA-4-5AA, MA-5, MA-6AA, HA-6	MC16-A108
		MA-4-5, MA-4-5AA, MA-5, MA-5AA, MA-6AA	MC82-1
A-65, A-75, C-85, C-90, O-200, C-125, C-145, O-300, GO-300, O-470	O-235, O-290, O-320, O-340, O-360, O-435, O-540	MA-3, MA-3A, MA-3PA, MA-3SPA, MA-4SPA, MA-4-4, MA-4-5AA, MA-5, MA-5AA, MA-6, MA-6AA	MC82-11
		MA-3A, M A-3PA, MA-3SPA, MA-4SPA, MA-4-5, MA-5, MA-5AA, MA-6, MA-6AA, HA-6	MC82-14

Stat-O-Seal for Cessna Aircraft

FAA-PMA Approved P/N MC600-001-10

- Fuel-proof viton rubber
- Save $$$
- Fits some fuel drain valves
- Replaces Cessna P/Ns: 600-0000-10, 600-001-10, 600-0101-10



Aircraft
210, 210A
310R, T310R
335
340, 340A
401, 401A,B
402, 402A,B,C
404
411, 411A
414, 414A

King Air Fuel Drain Valve

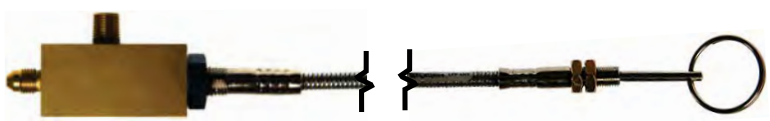
Improved, repairable valve for thousands less than Beech!
Fuel Drain Valve P/N MC90-380016-1

- Improved seal design provides a long life reliable valve
- Teflon lined control conduit and stainless steel cable
- Reliable design - proven over 10,000 cycles
- Approved for models A90, B90, C90, C90A, C90GTi, C90GT, E90, F90, 99, 99A, A99, B99, C99, 100 and A100
- Latest Viton fuel-proof seals
- Anodized for better corrosion resistance

SAVE $$$



P/N MC90-380016-1 consists of two components: a valve housing, and a replaceable valve control/plunger subassembly (P/N 6325K). Only McFarlane valves are repairable, Beech valves do not have replaceable components.



Unheard of 10 Year Limited Warranty!

Fuel Drain Valve Assembly for Cessna 185

P/N MC0716169-1

- Stronger, no-weld design
- Corrosion resistant aluminum alloy
- Sealed anodized finish for better corrosion resistance
- Save hundreds $$$

Longer lasting, more compact design

NEW



Aircraft	Serial Numbers
185A,B,C,D,E, A185E,F	185-0414 thru 18503683



Fuel and Oil Quick Drain Valves

- Simple operation — spring load close
- FAA-PMA, FAA-TSO or MIL-SPEC approved

A clean, no-mess way to test and drain fuel or oil!

SAF-AIR Aviation Products

- Unique O-ring placement prevents leaks by eliminating areas where dirt can gather
- O-rings can be replaced instead of buying a new valve
- Seal kits available

Curtis Superior Valve Co. Inc.

- Corrosion resistant, stainless steel springs
- Special "cure dated" synthetic rubber seals to withstand many liquids and temperatures
- Unique wedge seal design prevents leakage


P/N SA187


P/N CAV-160


P/N CCB-36450


P/N CCA-2460


P/N P5000


P/N 1250

Thread: "UNF" (Fine Thread) type are straight, non-sealing threads that rely on an O-ring to provide a seal. "NPT" (Pipe Thread) type are tapered threads that seal as they are tightened. Measure the O.D. of the thread on the valve you are replacing and compare to the thread specifications table on page 192 to determine the correct thread size.

Locking: Indicated valves lock in the open position for easy draining.

Flush mounted: Indicated valves are designed to mount flush with aircraft skin.

Use Pin Type Cup: Pin type cups similar to P/N CCA-39680 or MCCCA-39680 may be used with indicated valves for sampling fuel.

Open Action: "Spiral" valves require a push and turn action to open, "Push" valves require a push action to open.

Hose Adapter Size: A hose may be attached to the indicated valves for ease of draining fuel. The size indicated is the hose I.D.

Thread	Lock	Flush Mount	Use Pin Type Cup	Open Action	Hose Adapter Size	Material	Approval & Conformity Notes	Mfg	Part Number and Notes	Inx pg 193	Alternate P/Ns
	●		●	Push	1/2″	360 Brass	FAA-TSO	SAF	C500 3	22	CCA-3400
3/8 NPT	●			Spiral	1/2″	Brass, Unplated	FAA-TSO 9	Curt	CCA-3400	59	C500
1/8 NPT						360 Brass	FAA-TSO	SAF	B187	21	
1/8 NPT				Push	1/4″	360 Brass	FAA-PMA	SAF	CAV-110H-4 1	24	BJ1000AH1, CCA-110-H4
1/8 NPT				Push	1/4″	360 Brass	FAA-PMA	Curt	CCA-110-H4 1		CAV-110H-4
1/8 NPT				Spiral		Brass, Cad Plate	FAA-TSO 3	Curt	CCA-36150	61	BJ1000AS1MY, CAV-110
1/8 NPT			●	Push		360 Brass	FAA-PMA	SAF	CAV-110 1	23	BJ1000AS1MY, CCA-1250, CCA-1550, CCA-36150, CCA-7450, CCB-36700
1/8 NPT			●	Push		Brass, Cad Plate	FAA-TSO 2	Curt	CCB-36700	90	BJ1000AS1MY, CAV-110
1/8 NPT			●	Push		Brass, Unplated	FAA-TSO 8	Curt	CCA-1800 1	44	CAV-110, BJ1000AS1MY
1/8 NPT			●	Push		303 SS	Experimental	SAF	110SS	2	
1/8 NPT				Push		303 SS	FAA-TSO	Curt	CCA-110SS 1		
1/8 NPT			●	Push	1/4″	303 SS	Experimental	SAF	110HSS	1	
1/8 NPT		●	●	Push		360 Brass	FAA-TSO	SAF	SA18 14	113	491-806, CCA-2500, F391-18, S2106-3
1/8 NPT		●	●	Push		360 Brass	FAA-TSO	SAF	SA187 14	114	491-806, CCA-250, F391-187, S2106-3
1/8 NPT		●	●	Push		Brass, Unplated	FAA-TSO	Curt	CCA-2500 7	53	491-806, F391-187B, SA-187 F391-88, S2106-3, SA-18,
1/8 NPT	●			Push		Brass, Unplated	FAA-TSO 3	Curt	CCA-1550	40	492-100, 492-022, CAV-110 BJ1000AS1MY, BJ1000A-1, 1250
1/8 NPT	●		●	Push		360 Brass	FAA-TSO	SAF	1250 1	9	BJ1000A-1,CCA-1250, CCA-1550, CCA-7450
1/8 NPT	●			Push	1/4″	360 Brass	FAA-TSO	SAF	1250H 1	10	BJ1000AH1
1/8 NPT	●			Spiral		Anodized/ Aluminum	Experimental	Curt	CCA-1100 12	33	
1/8 NPT	●			Spiral		Anodized/ Aluminum	FAA-TSO	Curt	CCA-1150	34	
1/8 NPT	●			Spiral		Brass, Cad Plate	FAA-TSO 3	Curt	CCA-4850	70	1250, 492-100, 492-022, BJ1000A-1
1/8 NPT	●			Spiral		Brass, Unplated	FAA-TSO 3	Curt	CCA-1250	36	1250, 492-100, 492-022, BJ1000A-1, BJ1000AS1MY, CAV-110
1/8 NPT	●			Spiral		Stainless Steel	FAA-TSO 3	Curt	CCB-36750 7	91	1250, 492-100, 492-022, BJ1000A-1, BJ1000A-2
1/4 NPT				Push	1/4″	360 Brass	FAA-PMA	SAF	CAV-160H-4 1	26	BJ1000AH2
1/4 NPT				Push	1/4″	360 Brass	Experimental	Curt	CCA-160-H4		BJ1000AH2, CAV-160H-4
1/4 NPT			●	Push		303 SS	Experimental	SAF	160SS	4	
1/8 NPT	●			Spiral		Brass, Cad Plate	FAA-TSO 3	Curt	CCA-7450 6	78	BJ1000AS1MY, CAV-110, CCA-1250

Continued on the next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Fuel and Oil Quick Drain Valves continued from previous page

Continued from previous page

Thread	Lock	Flush Mount	Use Pin Type Cup	Open Action	Hose Adapter Size	Material	Approval Type and Conformity Notes	Mfg	Part Number and Notes	Fig on pg 193	Alternate P/Ns
1/8 NPT	●			Spiral		Brass, Cad Plate	FAA-TSO 3	Curt	CCA-9950 7	84	
1/4 NPT			●	Push	1/4”	303 SS	Experimental	SAF	160HSS	3	
1/4 NPT				Push		303 SS	FAA-TSO	Curt	CCA-160SS		
1/4 NPT			●	Push		360 Brass	FAA-PMA	SAF	CAV-160 1	25	BJ1000AS1MX, CCA-1300, CCA-1600, CCA-4900
1/4 NPT			●	Push		Brass, Unplated	FAA-TSO 8	Curt	CCA-1900 1	45	CAV-160, BJ1000AS1MX
1/4 NPT			●	Push		304 Stainless	FAA-TSO	SAF	SA-60S	119	
1/4 NPT		●	●	Push		360 Brass	FAA-TSO	SAF	SA14	112	CCA-2600, F391-14
1/4 NPT		●	●	Push		Brass, Unplated	FAA-TSO	Curt	CCA-2600 7	54	F391-14,SA-14
1/4 NPT	●		●	Push		360 Brass	FAA-TSO	SAF	2500 1	11	BJ1000A-2, CCA-1300, CCA-1600, CCA-4900
1/4 NPT	●			Push	1/4”	360 Brass	FAA-TSO	SAF	2500H 1	12	BJ1000AH2
1/4 NPT	●			Push		Brass, Cad Plate	FAA-TSO 4	Curt	CCA-4800 7	69	
1/4 NPT	●			Push		Brass, Unplated	FAA-TSO 4	Curt	CCA-1600	41	2500, BJ1000A-2
1/4 NPT	●			Spiral		Brass, Cad Plate	FAA-TSO 4	Curt	CCA-4900	71	2500, BJ1000A-2
1/4 NPT	●			Spiral		Brass, Unplated	FAA-TSO 4	Curt	CCA-1300	37	2500, BJ1000A-2
1/4 NPT	●			Spiral		Stainless Steel	FAA-TSO 4	Curt	CCA-39000	63	
3/8 NPT	●			Push		Brass, Unplated	FAA-TSO 5	Curt	CCA-1650	42	BJ1000A-3, P3750
3/8 NPT	●			Push		Anodized/ Aluminum	None 12	Curt	CCA-7000	77	
3/8 NPT	●		●	Push		360 Brass	FAA-TSO	SAF	P3750 1	105	
3/8 NPT	●			Spiral		Brass, Cad Plate	FAA-TSO 5	Curt	CCA-4950	72	BJ1000A-3, P3750
3/8 NPT	●			Spiral		Brass, Unplated	FAA-TSO 5	Curt	CCA-1350	38	
3/8-24 UNF				Push		303 SS	FAA-TSO	Curt	CCA-170SS 1		
3/8-24 UNF			●	Push		303 SS	Experimental	SAF	180SS	8	
3/8-24 UNF			●	Push	1/4”	303 SS	Experimental	SAF	180HSS	7	
3/8-24 UNF			●	Push		360 Brass	FAA-PMA	SAF	CAV-180 1	29	1100B52Z
3/8-24 UNF				Push	1/4”	360 Brass	FAA-PMA	SAF	CAV-180H-4 1	30	
3/8-24 UNF				Push		360 Brass	Experimental	Curt	CCA-180-H4		CAV-180H-4
3/8-24 UNF			●	Push		Brass, Unplated	FAA-TSO 8	Curt	CCA-2000 1	46	CAV-180, 1100B52Z
3/8-24 UNF		●	●	Push		360 Brass	FAA-TSO	SAF	SA32	115	CCA-2700, F391-32, S2106-1
3/8-24 UNF		●	●	Push		Brass, Unplated	FAA-TSO	Curt	CCA-2700 7	55	F391-32, S2106-1, SA-32
3/8-24 UNF	●		●	Push		360 Brass	FAA-TSO	SAF	3750 1	13	
3/8-24 UNF	●			Push	1/4”	360 Brass	FAA-TSO	SAF	3750H 1	14	
1/2-20 UNF		●	●	Push		Aluminum Anodized	FAA-PMA	SAF	SA5020	116	3651-00
1/2-20 UNF		●	●	Push		360 Brass	FAA-TSO	SAF	SA82 15	60	C100360, CCA-2900, F391-82, S2020-1
1/2-20 UNF		●	●	Push		Brass, Unplated	FAA-TSO	Curt	CCA-2900 7	57	C100360, F391-82, SA-82, S2020-2
1/2 NPT	●			Push		Brass, Unplated	FAA-TSO 1	Curt	CCA-1700 7	43	
1/2 NPT	●			Push	3/8”	Brass, Unplated	FAA-PMA 9	Curt	CCB-37000 7	92	
1/2 NPT	●			Spiral		Brass, Unplated	FAA-TSO 1	Curt	CCA-1400 7	39	
5/8-18 UNF	●			Spiral		Brass, Unplated	FAA-TSO	Curt	CCA-39550 7	65	
5/8-18 UNF	●			Spiral	3/8”	Brass, Unplated	None 12	Curt	CCA-39560 7	66	
3/4-16 UNF		●	●	Push		Aluminum Anodized	FAA-TSO	Curt	CCA-75		F75
3/4-16 UNF		●	●	Push		Aluminum Anodized	FAA-TSO	SAF	F75 3	101	CCA-75
3/4-16 UNF		●		Push		Aluminum Anodized	Experimental	Curt	CCA-1200	35	SA5817-4C, 710C-4
3/4-16 UNF		●		Push		Aluminum Anodized	FAA-TSO	SAF	SA5817-4C 4	118	CCA-1200, 710C-4
3/4-16 UNF		●		Spiral		Aluminum Anodized	10	Curt	CCB-36350-1	87	971D, 971D-1, F75
3/4-16 UNF	●	●		Push		Alodine/ Aluminum	FAA-TSO 12	Curt	CCB-36450	88	
3/4-16 UNF	●	●		Push		Aluminum Anodized	10	Curt	CCB-36450-5 13	89	
3/4-16 UNF	●	●		Push		Aluminum/ Nylon	FAA-TSO 10	Curt	CCB-37500 13	93	
3/4-16 UNF	●	●		Spiral		Aluminum Anodized	10	Curt	CCA-7500 10 11	79	
3/4-16 UNF	●	●		Spiral		Aluminum Anodized	10	Curt	CCA-7500-1 10	80	
3/4-16 UNF	●	●		Spiral		Aluminum Anodized	10	Curt	CCA-7500-2 10 12	81	

Continued on the next page

Fuel and Oil Quick Drain Valves continued from previous page

Continued from previous page

Thread	Lock	Flush Mount	Use Pin Type Cup	Open Action	Hose Adapter Size	Material	Approval Type and Conformity Notes	Mfg	Part Number and Notes	Fig on pg 193	Alternate P/Ns
3/4-16 UNF	●	●		Spiral		Aluminum Anodized	None 12	Curt	CCA-7600 12	83	
3/4-16 UNF	●	●		Spiral		Aluminum Anodized	10	Curt	CCA-7500-5 10	82	
7/16-20 UNF				Push		Aluminum Anodized	FAA-TSO	SAF	4350-6L 2	15	
7/16-20 UNF				Push		Brass, Cad Plate	FAA-TSO 7	Curt	CCB-4320 8	95	110B52Z-G, CAV-170
7/16-20 UNF				Push		Brass, Cad Plate	FAA-TSO 7	Curt	CCA-5800-3 7	75	110B52Z-G, CAV-170
7/16-20 UNF				Spiral		Brass, Cad Plate	FAA-TSO 7	Curt	CCA-5800-1 7	74	110B52Z-G, CAV-170
7/16-20 UNF			●	Push		303 SS	Experimental	SAF	170SS	6	
7/16-20 UNF			●	Push	1/4"	303 SS	Experimental	SAF	170HSS	5	
7/16-20 UNF			●	Push		360 Brass	FAA-PMA	SAF	CAV-170 1	27	110B52ZG, CCA-4300, CCA-5800-1, CCA-5800-3, CCB-4320
7/16-20 UNF				Push	1/4"	360 Brass	FAA-PMA	SAF	CAV-170H-4 1	28	BJ1000AHS-1
7/16-20 UNF				Push		360 Brass	Experimental	Curt	CCA-170-H4		BJ1000AHS-1, CAV-170H-4
7/16-20 UNF				Push		303 SS	FAA-TSO	Curt	CCA-180SS 1		
7/16-20 UNF			●	Push		Brass, Unplated	FAA-TSO 8	Curt	CCA-2100 1	47	CAV-170, 110B52ZG
7/16-20 UNF		●	●	Push		360 Brass	FAA-TSO	SAF	SA53S 15	117	CCA-53, F391-53S
7/16-20 UNF		●	●	Push		Brass	FAA-TSOb	Curt	CCA-53	N/A	SA53S, F391-53S
7/16-20 UNF		●	●	Push		360 Brass	FAA-TSO	SAF	SA72	120	CCA-2800, F391-72, S2106-2
7/16-20 UNF		●	●	Push		Brass, Unplated	FAA-TSO	Curt	CCA-2800 7	56	F391-72, S2106-2, SA-72
7/16-20 UNF	●		●	Push		360 Brass	FAA-TSO	SAF	4375 1	16	71D-4, BJ1000AS1M, CCA-4300, CCA-5800-1
7/16-20 UNF	●			Push	1/4"	360 Brass	FAA-TSO	SAF	4375H 1	17	BJ1000AHS1, CCA-5400
7/16-20 UNF	●			Spiral		Brass, Cad Plate	FAA-TSO 7	Curt	CCA-4300 7	67	110B52Z-G, 4375, CCA-5800-1 BJ1000AS1M, CAV-170, 71D-4
7/16-20 UNF	●			Spiral	1/4"	Brass, Cad Plate	FAA-TSO 9	Curt	CCA-5400 7	73	4375H, BK1000AHS1
9/16-18 UNF				Push		Alum. Anodized	Experimental	SAF	A5625	19	
9/16-18 UNF				Push		Brass, Cad Plate	FAA-TSO 8	Curt	CCA-31300 7	58	
9/16-18 UNF				Push		Alum. Anodized Red	FAA-TSO 8	Curt	CCA-39500	64	
9/16-18 UNF				Sprial		Brass, Cad Plate	FAA-TSO 8	Curt	CCA-36400 7	62	
9/16-18 UNF	●			Spiral		Brass, Cad Plate	FAA-TSO 8	Curt	CCA-4350 9	68	
M16x1.5			●	Push		360 Brass	Experimental	SAF	CAV-2165	31	Soccata TB-20
M16x1.6			●	Push		360 Brass	Experimental	SAF	CAV-M165H5	32	

Notes:
1 Replacement O-rings: see tables on next page
2 Stem can be cut to length per the application
3 Used on bladder style wing tanks
4 Hose attaches to the valve with a 7/16-20 flare fitting
5 Can be used in highly corrosive applications such as salt water.
6 One arm stem with turn-to-lock action
7 Lock wire drilled
8 Button-style push action
9 With stem for turning action
10 With screwdriver slot
11 With screen over screwdriver slot and mounting hardware
12 With mounting hardware (washer & two nuts installed)
13 Meets lightning safety requirement Mil-C-38373, Paragraph 4.6.14
14 P/N SA18 has a hex size of 5/8". P/N SA187 has a hex size of 1/2".
15 Valve inlet is below the threads and O-ring seals against hex face. See figure 117 on page 193.



See page 193 for product images

Conformity Notes:
1 Conforms to USAF Spec 28208
2 Conforms to USAF Spec 49F9798-49
3 Conforms to USAF Spec 28208 and 49F9798-49
4 Conforms to USAF Spec 28208 and 49F9798-50
5 Conforms to USAF Spec 28208 and 49F9798-51
6 Conforms to USAF Spec 28208, 49F9798-53 and MIL-V-25023
7 Conforms to USAF Spec 28208, 49F9798-52, MIL-V-25023 and MS29528-4
8 Conforms to USAF Spec 28208, 49F9798-53, MIL-V-25023 and MS29528-6
9 Conforms to USAF Spec 28208 and MIL-V-25023
10 Conforms to USAF Spec 28208, MIL-V-25023 and MS29571
11 Conforms to USAF Spec 49F9798-53 and MIL-V-25023
12 For non-certified aircraft only

Replacement Seals

SAF-AIR Seal Kits

- Add "K" or "-K" to the valve P/N to find the P/N for the applicable seal kit
- Seal kits only applicable for SAF-AIR valves with note 1 above
- All O-rings are made of Viton



Curtis Field Replaceable O-rings Fuel Valve P/N	MS29513-007 Stem Seal O-ring	MS29513-011 Mounting O-ring	MS29513-012 Mounting O-ring
CCA-1800	●		
CCA-1900	●		
CCA-2000	●	●	
CCA-2100	●		●

Flush Valve Fuel Plate

Supports when added stability is needed to mount a flush mount valve directly into a wet wing or fuel tank

- 2¾" overall diameter, 1½" from mounting surface to bottom hole diameter
- CCB-36450-5 flush mounted fuel drain valve is included



Manufactured by Curtis Superior Valve Co.

P/N	Description
PLT-275V	Flush Valve Fuel Plate without mounting holes. Includes CCB-36450-5 flush mounted drain valve. Non certified aircraft only.
PLT-275AV	Flush Valve Fuel Plate with mounting holes drilled. Includes CCB-36450-5 flush mounted drain valve.Non certified aircraft only.

Replacement Seals

FAA-PMA approved seals for Curtis Valves

Manufactured by PMA Products

PMA Products, Inc.

Seal P/N	Valve P/N	Aircraft	Serial Number	ID (in)	OD (in)	Thickness (in)
CACCA1269	CCA-4850	B55	TC-1608 thru TC-2071	0.100	0.280 - 0.285	0.064 - 0.068
		E55	TE-938, TE-943 thru TE-1102			
		58	TH-1 thru TH-2124			
CACCA1319	CCA-3400	B55	TC-1608 and On	0.150	0.350	0.058
		E55	TE-938, TE-943 and On			
		58	TH-1 thru TH-2124			

Note: Use with autogas not recommended.



Installation Sockets

Used to torque valves to desired specifications and also prevents valve damage upon installation and removal.



P/N CST-916

P/N		For use with valve P/N
CST-78	Fits all 7/8 Hex Valves	CCA-1400, CCA-1700, CCB-37000, CCA-39550, CCA-39560
CST-716	Fits all 7/16 Hex Valves	CCA-1250, CCA-1550, CCA-4850, CCA-7450, CCA-9950, CA-36150, CCB-36750
CST-916	Fits all 9/16 Hex Valves	CCA-1300, CCA-1600, CCA-4800, CCA-4900, CCA-39000
CST-1116	Fits all 11/16 Hex Valves	CCA-1350, CCA-1650, CCA-2440, CCA-2450, CCA-2460, CCB-4320, CCA-4950, CCA-5400, CCA-5800-1
CST-36450	For removal of certain Curtis flush mounted valves	CCB-36450, CCB-36450-5

Curtis Fuel Sampling Cup

P/N MCCCA-39680

Pin diameter: 1/8"

- Stainless steel pin and fuel-resistant clear plastic
- Convenient no-mess method of draining fuel to inspect for proper grade and contaminants
- Works with any quick drain valve designed for a pin type cup.

With our McFarlane logo!



Oil Drain Valve Adapters and Openers

Used with CCA-2450 and CCA-2460 oil drain valves to adapt to Rotax and Jabiru engines. Adapters are for non-certified aircraft only.



P/N RM12175



P/N CCA-2474



P/N F50-90



P/N F50-180



P/N CCA-2470
P/N CCA-2480

P/N	Thread	Material	Description
AN6-INV		2011 Aluminum	Christen inverted oil system
AN8-INV		2011 Aluminum	Christen inverted oil system
AN10-INV		2011 Aluminum	Christen inverted oil system
CCA-2470	12MM 1.75	Aluminum	Rotax 90-Degree adapter for CCA-2450 oil drain valve
CCA-2474	12MM 1.75	Aluminum	Rotax oil tank adapter for late models with CCA-2450 oil drain valve
CCA-2480	1/2-20 UNF	Aluminum	Jabiru 90-Degree adapter for CCA-2460 oil drain valve
F50-90			Opener - attaches at a 90 degree angle from valve.
F50-180			Opener - attaches straight out of the valve.
M1290B	1/2-20 UNF	2011 Aluminum	Banjo Bolt, Rotax for S5020J oil drain valve
M1490B	1/2-20 UNF	2011 Aluminum	Banjo Bolt, Volkswagen for S5020J oil drain valve
RM12175		2011 Aluminum	Rotax, Oil must be used on all new oil tanks being produced by Rotax as they changed the internal design on the tank requiring an adapter to use an oil drain valve.
S5090B	1/2-20 UNF	2011 Aluminum	Banjo Bolt, Jabiru for S5020J oil drain valve
S6290B	5/8-18 UNF	2011 Aluminum	Banjo Bolt, Continental for S6250 oil drain valve

Locking Oil Drain Valves

Features a detent to lock in the open position

Thread: "UNF" (Fine thread) type are straight, non-sealing threads that rely on an O-ring to seal. "NPT" (Pipe Thread) type are tapered threads that seal as they are tightened. Others are metric threads. Measure the O.D. of the thread on the valve you are replacing and compare to the thread specification table in maintenance tips to determine the correct thread size.

Open Action: Spiral valves require a push and turn action to open.

Hose Adapter: A hose adapter may be attached to the indicated valves for ease of draining. The size indicates the hose I.D.

P/N S6250



Thread	Open Action	Hose Adapter Size	Material	Approval	OEM	Part Number	See Figure on pg 193
1/2-14 NPT	Push	3/8"	Aluminum, Anodized	FAA-PMA	Curtis	CCB-5000 *New!*	121
1/2-14 NPT	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	P5000 3	106
1/2-14 NPT	Push		Aluminum	FAA-PMA	Curtis	CCB-38000 8	94
1/2-14 NPT	Spiral	3/8"	360 Brass, 302 Stainless	FAA-PMA	SAF-AIR	F50 3 5	99
1/2-14 NPT	Push		Aluminum	None 6	Curtis	CCB-36000H *New!*	86
1/2-20 UNF		3/8"		None 6	SAF-AIR	A5020 3	18
1/2-20 UNF	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	S5020J 3	109
1/2-20 UNF	Sprial	3/8"	Brass, Unplated	None 6	Curtis	CCA-2460	50
1/2-20 UNF	Spiral	3/8"	Brass, Unplated	None 6	Curtis	CCA-2485 2	52
3/4-14 NPT	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	P7500 3	107
3/4-14 NPT	Spiral	3/8"	360 Brass, 302 Stainless	FAA-PMA	SAF-AIR	F175 3	98
3/4-16 UNF	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	S7516 3	111
3/4-16 UNF	Spiral	3/8"	360 Brass, 302 Stainless	FAA-PMA	SAF-AIR	F167 3	97
5/8-18 UNF	Push	3/8"	Aluminum, Anodized	FAA-PMA	Curtis	CCB-6250 *New!*	122
5/8-18 UNF	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	S6250 3	110
5/8-18 UNF		3/8"	2011 Aluminum, 302 Stainless	None 6	SAF-AIR	A62-INV 4	20
5/8-18 UNF	Spiral	3/8"	360 Brass, 302 Stainless	FAA-PMA	SAF-AIR	F62 3 5	100
5/8-18 UNF		3/8"	Aluminum	None 6	Curtis	CCB-32000 *New!*	76
5/8-18 UNF	Push	3/8"	Aluminum	None 6	Curtis	CCB-33000 *New!*	85
1"-18 UNF	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	S1000 3	108
1"-18 UNF	Spiral	3/8"	360 Brass, 302 Stainless	FAA-PMA	SAF-AIR	F10 3 5	96
12MM 1.75	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	M12175 3	102
12MM 1.75	Spiral	3/8"	Brass, Unplated	None 6	Curtis	CCA-2450	49
12MM 1.75	Spiral	3/8"	Brass, Unplated	None 6	Curtis	CCA-2475 1	51
14MM 1.50	Spiral	3/8"	Brass, Unplated	None 6	Curtis	CCA-2440	48
20MM 1.50	Push	3/8"	2011 Aluminum, 302 Stainless	FAA-PMA	SAF-AIR	M20150 3	104
		3/8"	2011 Aluminum, 302 Stainless	7	SAF-AIR	M14150 3	103

1 Includes P/N CCA-2450 valve and P/N CCA-2470 adapter
2 Includes P/N CCA-2460 valve and P/N CCA-2480 adapter
3 Replacement o-ring kits available. Add "K" or "-K" to valve part number.
4 Used with AN6, AN8 and AN10 adapters to replace a cap. The valve and adapter are sold together.
5 2-piece, low profile. P/N F50-180 opener (attaches straight out of valve) included. P/N F50-90 opener available (attaches at 90° angle).
6 For non-certified aircraft only
7 For use on UL engines
8 Includes P/N CCB-38000 or CCB-32000 valve and P/N CCA-38001 activation tool.

Maintenance Tips:

Curtis Superior and SAF-AIR valves are designed for installation in a standard NPT port for NPT threaded valves or an AND-10050 style port for UNF threaded valves. Use a sealant on NPT threaded valves or a fuel resistant O-ring of the proper size for UNF threaded valves. Refer to aircraft manufacturer's torque specifications for the appropriate aircraft or to the torque specifications in the table below for Curtis valves.

Replace the rubber seals as per the aircraft manufacturer's recommendations or every 10 years when no guidance is given. McFarlane stocks replacement seals and seal kits for Curtis Superior and SAF-AIR. The new Curtis valves use a O-ring type seal instead of the flat seal that was previously used.

SAF-AIR valves are designed to disassemble and replace the O-rings. If the valve starts to leak over time, ensure the drain valve is tight. If the valve *is* tight, check the O-rings. All O-rings used are buna "n", MS29513 style, MIL-P-5315. SAF-AIR O-ring seal kits are available for most valves. Add "K" or "-K" suffix to the valve part number.

Never keep a hose attached to the oil drain valve in flight. Engine vibration and the additional mass can cause premature seal and valve wear, which could result in valve failure and a loss of engine oil.

Thread Specifications		
Thread O.D.	**Thread**	**Curtis Torque Spec**
0.375	3/8-24 UNF	80-85 In. Lbs
0.405	1/8-27 NPT	40-45 In. Lbs
0.438	7/16-20 UNF	80-85 In. Lbs
0.500	1/2-20 UNF	80-85 In. Lbs
0.540	1/4-18 NPT	80-85 In. Lbs
0.563	9/16-18 UNF	80-85 In. Lbs
0.625	5/8-18 UNF	100-115 In. Lbs
0.675	3/8-18 NPT	105-115 In. Lbs
0.750	3/4-16 UNF	80-85 In. Lbs
0.840	1/2-14 NPT	155-165 In. Lbs
Special Threads with Crush Washers		
Valve P/N	**Thread**	**Curtis Torque Spec**
CCA-2450	12MM 1.75	60-75 In. Lbs
CCA-2460	1/2-20	60-70 In. Lbs
CCA-2470	12MM 1.75	60-70 In. Lbs
CCA-2480	12-50	60-70 In. Lbs

Quick Drain Hoses

Designed to work with the Curtis Quick Drain Valves. In most cases, a simple push and twist action locks the Quick Drain Hose in place. Waste liquid flows through 5 feet of high grade vinyl tubing, preventing messy spills and making a safer, cleaner environment. Tubing will not harden in sub-freezing temperatures.

P/N	Connector Color	Used with Valve P/N
CCB-39600-1	Black	CCA-1400, CCA-1700, CCA-39550
CCB-39600-2	Blue	CCA-1350, CCA-2450, CCA-1650, CCA-4950
CCB-39600-3	Yellow	CCA-1300, CCA-1600, CCA-3400, CCA-4800, CCA-4900, CCA-39000
CCB-39600-4	Silver	CCA-4350, CCA-36400
CCB-39600-5	Brass	CCA-1250, CCA-1550, CCA-4300, CCA-7450, CCA-9950
Manufactured by Curtis Superior Drain Co., Inc.		



P/N CCB-39600-5

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

1  **110HSS** 1/8 NPT	2  **110SS** 1/8 NPT	3  **160HSS** 1/4 NPT	4  **160SS** 1/4 NPT	5  **170HSS** 7/16-20 UNF	6  **170SS** 7/16-20 UNF	7  **180HSS** 3/8-24 UNF	8  **180SS** 3/8-24 UNF	9  **1250** 1/8 NPT	10  **1250H** 1/8 NPT	11  **2500** 1/4 NPT	12  **2500H** 1/4 NPT	13  **3750** 3/8-24 UNF	14  **3750H** 3/8-24 UNF
15  **4350-6L** 7/16-20 UNF	16  **4375** 7/16-20 UNF	17  **4375H** 7/16-20 UNF	18  **A5020** 1/2-20 UNF	19  **A5625** 9/16-18 UNF	20  **A62-INV** 5/8-18 UNF	21  **B187** 1/8 NPT	22  **C500**	23  **CAV-110** 1/8 NPT	24  **CAV-110H-4** 1/8 NPT	25  **CAV-160** 1/4 NPT	26  **CAV-160H-4** 1/4 NPT	27  **CAV-170** 7/16-20 UNF	28  **CAV-170H-4** 7/16-20 UNF
29  **CAV-180** 3/8-24 UNF	30  **CAV-180H-4** 3/8-24 UNF	31  **CAV-2165** M16x1.6	32  **CAV-M165H5** M16x1.6	33  **CCA-1100** 1/8 NPT	34  **CCA-1150** 1/8 NPT	35  **CCA-1200** 3/4-16 UNF	36  **CCA-1250** 1/8 NPT	37  **CCA-1300** 1/4 NPT	38  **CCA-1350** 3/8 NPT	39  **CCA-1400** 1/2 NPT	40  **CCA-1550** 1/8 NPT	41 **CCA-1600** 1/4 NPT	42 **CCA-1650** 3/8 NPT
43 **CCA-1700** 1/2 NPT	44 **CCA-1800** 1/8 NPT	45 **CCA-1900** 1/4 NPT	46 **CCA-2000** 3/8-24 UNF	47 **CCA-2100** 7/16-20 UNF	48 **CCA-2440** 14MM 1.50	49 **CCA-2450** 12MM 1.75	50 **CCA-2460** 1/2-20 UNF	51 **CCA-2475** 12MM 1.75	52 **CCA-2485** 1/2-20 UNF	53 **CCA-2500** 1/8 NPT	54 **CCA-2600** 1/4 NPT	55 **CCA-2700** 3/8-24 UNF	56 **CCA-2800** 7/16-20 UNF
57 **CCA-2900** 1/2-20 UNF	58 **CCA-31300** 9/16-18 UNF	59 **CCA-3400** 3/8 NPT	60 **SA82** 1/2-20 UNF	61 **CCA-36150** 1/8 NPT	62 **CCA-36400** 9/16-18 UNF	63 **CCA-39000** 1/4 NPT	64 **CCA-39500** 9/16-18 UNF	65 **CCA-39550** 5/8-18 UNF	66 **CCA-39560** 5/8-18 UNF	67 **CCA-4300** 7/16-20 UNF	68 **CCA-4350** 9/16-18 UNF	69 **CCA-4800** 1/4 NPT	70 **CCA-4850** 1/8 NPT
71 **CCA-4900** 1/4 NPT	72 **CCA-4950** 3/8 NPT	73 **CCA-5400** 7/16-20 UNF	74 **CCA-5800-1** 7/16-20 UNF	75 **CCA-5800-3** 7/16-20 UNF	76 **CCB-32000** 5/8-18 UNF	77 **CCA-7000** 3/8 NPT	78 **CCA-7450** 1/8 NPT	79 **CCA-7500** 3/4-16 UNF	80 **CCA-7500-1** 3/4-16 UNF	81 **CCA-7500-2** 3/4-16 UNF	82 **CCA-7500-5** 3/4-16 UNF	83 **CCA-7600** 3/4-16 UNF	84 **CCA-9950** 1/8 NPT
85 **CCB-33000** 5/8-18 UNF	86 **CCB-36000H** 1/2-14 NPT	87 **CCB-36350-1** 3/4-16 UNF	88 **CCB-36450** 3/4-16 UNF	89 **CCB-36450-5** 3/4-16 UNF	90 **CCB-36700** 1/8 NPT	91 **CCB-36750** 1/8 NPT	92 **CCB-37000** 1/2 NPT	93 **CCB-37500** 3/4-16 UNF	94 **CCB-38000** 1/2 NPT	95 **CCB-4320** 7/16-20 UNF	96 **F10** 1"-18 UNF	97 **F167** 3/4-16 UNF	98 **F175** 3/4-14 NPT
99 **F50** 1/2-14 NPT	100 **F62** 5/8-18 UNF	101 **F75** 3/4-16 UNF	102 **M12175** 12MM 1.75	103 **M14150** 14MM 1.50	104 **M20150** 20MM 1.50	105 **P3750** 3/8 NPT	106 **P5000** 1/2-14 NPT	107 **P7500** 3/4-14 NPT	108 **S1000** 1"-18 UNF	109 **S5020J** 1/2-20 UNF	110 **S6250** 5/8-18 UNF	111 **S7516** 3/4-16 UNF	112 **SA14** 1/4 NPT
113 **SA18** 1/8 NPT	114 **SA187** 1/8 NPT	115 **SA32** 3/8-24 UNF	116 **SA5020** 1/2-20 UNF	117 **SA53S** 7/16-20 UNF	118 **SA5817-4C** 3/4-16 UNF	119 **SA-60S** 1/4 NPT	120 **SA72** 7/16-20 UNF	121 **CCB-5000** 1/2-14 NPT	122 **CCB-6250** 5/8-15 UNF				

Curtis SUPERIOR VALVE CO. INCORPORATED | SAF-AIR Aviation Products

Photos are not to scale relative to each other

Fuel Gascolator Assemblies

Fast and Easy to Maintain!

Gascolators are precision machined out of 6061 aluminum and an improved O-ring seal.
No more wire bails popping out of the cover! Eliminates stripped thumb wheels and screws.

Maintenance Tip:
Avoid sealant on 1st thread to avoid contamination in fuel.

For Piper assemblies, the Gascolator fits in the existing mounting brackets. Mounting brackets for Cessna aircraft are available. Each Gascolator includes a screen, screen retainer, and O-rings to seal the bowl to the top of the gascolator. D series remote drain bowls also include the drain valve and lever.

- FAA-PMA/STC (SA01026SE) and EASA approved
- STC, AML and installation instructions included
- Unique bayonet tab lock makes maintenance easy
- Tested to 180 PSI
- Great for homebuilt aircraft
- Extra O-ring included

1/4 NPT (3/8 ID Fuel Line) Gascolators					
P/N	Description	Remote Drain	Mounting Style	Sediment capacity (oz)	Max fuel tank capacity (gal)
SA3-00	3 oz bowl		Side	3	60
SA3-00-B	3 oz bowl with top mount cover		Top	3	60
SA3-00-BS	3 oz bowl for Vulcan Air/ Partenavia aircraft only		Side	3	60
SA3-00-A	4 oz bowl		Side	4	80
SA3-00-C	4 oz bowl with top mount cover		Top	4	80
SA3-00-D	4 oz remote drainable bowl	•	Side	4	80
SA3-00-B-D	4 oz with top mount cover w/ remote drainable bowl	•	Top	4	80
3/8 NPT (1/2 ID Fuel Line) Gascolators					
SA3-10-B	3 oz bowl		Side	3	60
SA3-10-C	3 oz bowl with top mount cover		Top	3	60
SA3-10	4 oz bowl		Side	4	80
SA3-10-A	4 oz bowl with top mount cover		Top	4	80
SA3-10-D	4 oz remote drainable bowl	•	Side	4	80
SA3-10-A-D	4 oz with top mount cover w/ remote drainable bowl	•	Top	4	80
Individual Replacement Parts					
C-120/140 Kit	Cessna 120/140 fuel line and bracket install kit contains (1) SA3-05 and (1) SA3-06				
SA3-3	Screen				
SA3-4	Screen Retainer				
SA3-05	Bracket for 120/140 aircraft only				
SA3-06	Fuel Line for 120/140 aircraft only				
SA3-07	Bracket, Side Mount				
SA3-11	Bracket, Top Mount				
SA3-14	Barrell Nut Assembly used on "D" remote series only				
V1000	O-ring (41X2mm)				
MS24665-287	Cotter Pin (3/32" X 1-1/4")				
MS28775-130	O-ring				

Replacement Parts:



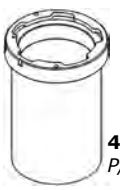
Bracket
P/N SA3-05



Bracket
P/N SA3-07



Bracket
P/N SA3-11

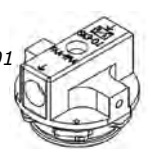


4 oz Bowl
P/N SA3-00-A



4 oz Remote Drain Bowl
P/N SA3-00-D

Barrell Nut Assembly
P/N SA3-14



Cover
P/N SA3-01



Cotter Pin
P/N MS24665-287



Non-sealing O-ring to prevent rocking (4 oz bowls only)
P/N MS28775-130



Screen
P/N SA3-3



Retainer
P/N SA3-4



O-ring (41X2 mm)
P/N V1000



3 oz Bowl
P/N SA3-00



3 oz Bowl
P/N SA3-00



4 oz Bowl
P/N A3-10



4 oz Bowl w/ Top Cover Mount
P/N SA3-10-A



Drainable Bowl
P/N A3-D Series

Eligibility on the following pages

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Fuel Gascolator Assemblies continued from previous page



3 oz Bowl
SA3-00



4 oz Bowl
SA3-10



Drainable Bowl
SA3-D Series

Aircraft	S/N	1/4 NPT (3/8 ID Fuel Line) Gascolators P/Ns							3/8 NPT (1/2 ID Fuel Line) Gascolators P/Ns					
		SA3-00 3 oz bowl	**SA3-00-A** 4 oz bowl	**SA3-00-B** 3 oz bowl with top mount cover	**SA3-00-B-D** 3 oz with top mount cover with remote drainable bowl, no bracket	**SA3-00-BS** 3 oz bowl for Vulcan Air/Partenavia aircraft only	**SA3-00-C** 4 oz bowl with top mount cover	**SA3-00-D** 4 oz remote drainable bowl	**SA3-10** 4 oz bowl	**SA3-10-A** 4 oz bowl with top mount cover	**SA3-10-A-D** 4 oz with top mount cover with remote drainable bowl, no bracket	**SA3-10-B** 3 oz bowl	**SA3-10-C** 3 oz bowl with top mount cover	**SA3-10-D** 4 oz remote drainable bowl
Aeronca, Aero Commander (Dynac), (Voltaire)														
100-180, 15AC, S15AC	All												•	
100,100A, 10, 10A	All	•	•					•						
11CC, S11CC	All	•												
50-C,50-L,50-LA,50-TC,50-TL, 60-TF, 65-C, 65-CA,65-LA,65LB,65-TAC,65-TAF, 65-TAL,65-TC, 65-TF,65-TL, CF,K,KC,KCA,KS, O-58A,O-58B, S15AC, S-50-C, S-65-C,S-65-CA, SO-58B, YO-58,YO-TC	All	•	•											
Aviat														
A-1,A-1A,A-1B	All	•	•					•						
A-1C-200	All		•					•						
Bellanca														
14-13,14-13-2,14-13-3,14-13-3W	All			•	•		•							
Britten-Norman (Pilatus)														
BN-2,BN-2A,BN-2A-2,BN-2A-3,BN-2A-6,BN-2A-8, BN-2A-9,BN-2A-20, BN-2A-21,BN-2A-26,BN-2A-27, BN-2B-20,BN-2B-21,BN-2B-26,BN-2B-27	All	•	•					•						
Cessna														
120, 140	All	•	•					•						
150, 150A,B,C,D,E	All			•	•		•							
150F,G,H,J,K,L,M	All[2]		•	•				•						
A150K	All[2]		•					•						
A150L,M	All[2]	•	•					•						
152, A152	All[3]								•					•
170A,B	All			•	•		•							
172, 172A,B,C,D,E,F[1]	28000 thru 17252533			•	•		•							
172F[1],G,H,I,K,L,M,N,P,Q	17252534 and on[3]								•					•
172R,S	All[3]								•					
172RG, P172D, R172E,F,G,H,J,K, 175, 175A,B,C	All			•	•		•							
177, 177A,177B	All[3]								•					•
180, 180A,B,C,D,E,F,G,H[1]	30000 thru 18051496									•	•			
180H[1],J,K	18051497 thru 18053203[3]													•
182, 182A,B,C,D,E,F,G,H[1]	33000 thru 18256039									•	•			
182H[1]J,K,L,M,N,P,Q	18256040 and on[3]													•
185, 185A,B,C,D[1]	185-0001 thru 185-0843									•	•			
185D[1],E, A185E,F	185-0844 and on[3]													•
210-5(205), 210-5A(205A), 206	All									•	•			
U206A,B,C,D,E,F,G, TU206A,B,C,D,E,F,G	All[3]													•
210, 210A,B,C,D,E, 310, 310A,B,C,D,F,G,H,I,J,K	All									•	•			
305A,B,C,D,E,F	All						•							

[1] Partial Model Eligibility
[2] Use Bracket P/N SA3-07
[3] Use Bracket P/N SA3-11
[4] Must use consolidated gascolator P/N 5221
[5] Systems with ⅜" fuel lines use SA3-00. Systems with ½" fuel lines use SA3-10-C.

Eligibility continued on next page

Fuel Gascolator Assemblies continued from previous page



3 oz Bowl
SA3-00



4 oz Bowl
SA3-10



Drainable Bowl
SA3-D Series

Aircraft	S/N	1/4 NPT (3/8 ID Fuel Line) Gascolators P/Ns							3/8 NPT (1/2 ID Fuel Line) Gascolators P/Ns					
		SA3-00 3 oz bowl	**SA3-00-A** 4 oz bowl	**SA3-00-B** 3 oz bowl with top mount cover	**SA3-00-B-D** 3 oz with top mount cover with remote drainable bowl, no bracket	**SA3-00-BS** 3 oz bowl for Vulcan Air/Partenavia aircraft only	**SA3-00-C** 4 oz bowl with top mount cover	**SA3-00-D** 4 oz remote drainable bowl	**SA3-10** 4 oz bowl	**SA3-10-A** 4 oz bowl with top mount cover	**SA3-10-A-D** 4 oz with top mount cover with remote drainable bowl, no bracket	**SA3-10-B** 3 oz bowl	**SA3-10-C** 3 oz bowl with top mount cover	**SA3-10-D** 4 oz remote drainable bowl
Champion/Aeronca														
7AC,7ACA,7BCM,7CCM,7DC,7EC,7ECA,7FC,7KCAB, S7AC,S7CCM,S7DC,S7EC, 8KCAB, 11AC,11BC, S11AC,S11BC	All	•	•					•						
11CC, S11CC	All		•					•						
7GCAA, 7GCBC,8GCBC	All											•		
Emigh (Edward Scott Kearns)														
A-2	All	•	•					•						
Ercoupe (Univair)														
A-2	All			•			•							
A2-A	All			•										
415-C, 415-CD, 415-D, F-1, F-1A	All	•	•											
415-E	All	•												
M10	All			•										
Extra Flugzeugbau GmbH EA														
300,300/200,300/L,300/S	All	•	•					•						
300/LC		•												
Interstate Aircraft (STOL)														
S-1A,S-1A-65F,S-1A-85F,S-1A-90F	All	•												
Luscombe														
8,8A,8B,8C,8D,8E,8F,T-8F	All	•	•					•						
Maule Bee Dee														
M-4,4C,4S,4T, M-4-180C,180S,180T, M-4-210, 210C,210S,210T,220C,220S, 220T, M-5-180C, 210C,210TC,220C, 235C, M-6-180, 235, M-7-235, M-7-235- A,B,C, M-7-260,260C, MT-7-235,260, MX-7-160,160C,180,180AC,180B,180C, 235, MXT7-160,180,180A, M-8-235	All[5]	•	•					•					•	
M-5-200	All	•						•					•	
Mooney														
M10				•			•							
M-18C,18C55,18L,18LA, M20, M20A,B,C,D,E,F,G,J,K,L,M,R,S,TN[4]	All	•	•											
Navion														
(Sierra Hotel Aero), (Army L-17A), A,B,D,E,F,G,H	All									•	•			
Partenavia														
P.68, 68B,68C,68C-TC	All					•								
Piper														
AE-1, HE-1, JC3-40,50,50S,65,65S, J3F-50,50S, 60,60S,65,65S, J3L, J3L-65,65S, J3L-S, J4, J4A,A-S, J4E, J5A, J5A-80, J5B, J5C	All	•	•					•						
PA-11, PA-11S, PA12, PA12S, PA-14, PA-15, PA-16, PA-16S, PA-17	All	•	•					•						
PA-18,PA-18A,PA-18S,PA-18 "105" (Special), PA-18S "105",PA-18 "125", PA-18AS "125",PA-18S "125",PA-18 "135",PA-18A"135", PA-18AS "135", PA-18S "135",PA-18 "150",PA-18A "150",PA-18AS "150",PA-18S "150", PA-19 (Army L-18C), PA-19S	All	•	•					•						
PA-20, PA-20 "115", PA-20 "135", PA-20S	All	•	•											

[1] Partial Model Eligibility
[2] Use Bracket P/N SA3-07
[3] Use Bracket P/N SA3-11
[4] Must use consolidated gascolator P/N 5221
[5] Systems with ⅜" fuel lines use SA3-00. Systems with ½" fuel lines use SA3-10-C.

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Fuel Gascolator Assemblies continued from previous page



3 oz Bowl
SA3-00



4 oz Bowl
SA3-10



Drainable Bowl
SA3-D Series

Aircraft	S/N	1/4 NPT (3/8 ID Fuel Line) Gascolators P/Ns							3/8 NPT (1/2 ID Fuel Line) Gascolators P/Ns					
		SA3-00 3 oz bowl	**SA3-00-A** 4 oz bowl	**SA3-00-B** 3 oz bowl with top mount cover	**SA3-00-B-D** 3 oz with top mount cover with remote drainable bowl, no bracket	**SA3-00-BS** 3 oz bowl for Vulcan Air/Partenavia aircraft only	**SA3-00-C** 4 oz bowl with top mount cover	**SA3-00-D** 4 oz remote drainable bowl	**SA3-10** 4 oz bowl	**SA3-10-A** 4 oz bowl with top mount cover	**SA3-10-A-D** 4 oz with top mount cover with remote drainable bowl, no bracket	**SA3-10-B** 3 oz bowl	**SA3-10-C** 3 oz bowl with top mount cover	**SA3-10-D** 4 oz remote drainable bowl
Piper continued from previous page														
PA-20S "115", PA-20S "135", PA-22, PA-22-108, 135,150, 160, PA-22S-135,150,160	All	•	•					•						
PA-23, PA-23-160, 235,250, -E23-250	All	•	•					•						
PA-24	24-1 thru 24-2298	•	•					•						
PA-25	All	•	•					•						
PA-25-235, PA-25-260	25-7405573 thru 25-8156024	•	•					•						
PA-28-140,150,151,160,S-160,161,180, R-180,S-180,181,R-200,RT201, RT201T, 236	All	•	•											
PA-28-235	All	•												
PA-28-201T, PA-28R-201, PA-28R-201T, PA-38-112	All	•	•											
Robinson														
R22, R44, R44II	All	•	•					•						
Rockwell (Commander Aircraft)														
112	3 thru 220	•	•											
Stinson														
108, 108-1	All			•	•									
108-2, 108-3	All									•	•			
Swift														
GC-1A,1B	All			•			•							
Taylorcraft														
BC, BC12-65, BC12-D, BC12-D1,BC12-D85, BC-65, BCS, BCS12-D, BCS12-D1, BCS12D-85, BCS12D-4-85, BCS12-65, BCS-65, DCI-65	All	•	•					•						
DC-65, DF-65, DL-65, DCO-65, F19, F21	All	•	•											

1 Partial Model Eligibility
2 Use Bracket P/N SA3-07
3 Use Bracket P/N SA3-11
4 Must use consolidated gascolator P/N 5221
5 Systems with ⅜" fuel lines use SA3-00.
Systems with ½" fuel lines use SA3-10-C.

Steve's Aircraft



3 oz Bowl
P/N SA3-00



4 oz Bowl
P/N A3-10



4 oz Bowl w/ Top Cover Mount
P/N SA3-10-A



Drainable Bowl
P/N A3-D Series

Fuel Indicator Plates

FAA-PMA Approved for Cessna 150-152

Replace your old plastic placard with our metal indicator plates FAA-PMA approved for 150J-M, A150K-M, F150J-L, FA150K-M, 152, A152, F152, FA152

NEW

- Powder coated for fade resistance
- Reference your current tank capacity with your model when ordering

Part Number	Tank Capacity (gallons)
MC0410218-10	22.5
MC0410218-11	21.5
MC0405050-1	24.5
MC0405050-2	27.5
MC0410218-12-279	35.0
MC0410218-13-279	37.5



Syringe for TCP Fuel Treatment

P/N 73138

Make precise measurement easy!



Manufactured by Alcor, Inc.

Header Tank

Direct replacement for original sheet metal tank
Front P/N 3169-1A
Rear P/N 3169-2

PA-18, 18-105, 125, 135, 150, A-150, PA-19

- Heavy-duty welded aluminum
- Light weight
- Eliminates cracking
- FAA-PMA/STC approved

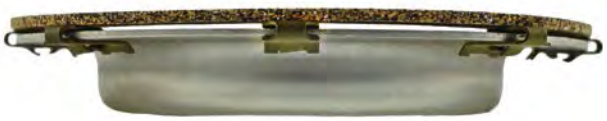


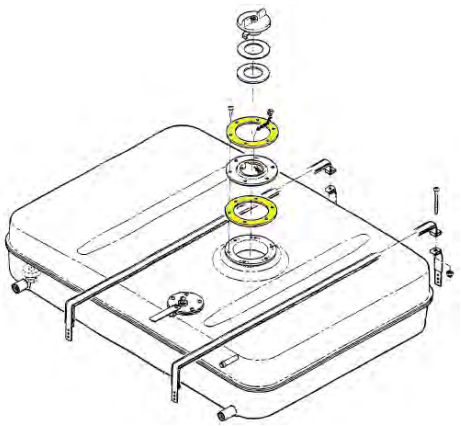
Cessna Fuel Filler Neck and Fuel Tank Adapter Gaskets

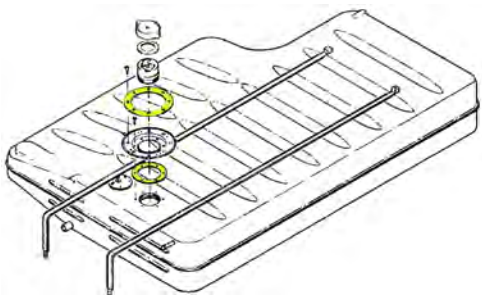
Replace dry, brittle gaskets to prevent water contamination in fuel.

Gaskets required to seal between the wing skin, fuel filler neck, fuel tank adapter and fuel tank.

- Realistically priced!
- Cork/rubber composite gaskets meet strict MIL-SPEC requirements for fuel resistance
- Never reuse these gaskets







Better Upper Gasket!
Thicker, softer material for a better seal around the tinnerman clips.



P/N MC0523532
Thickness 0.062"



P/N MC0523531
Thickness 0.094"



P/N MC0426013-2
Thickness 0.031"



P/N MC0426013-1
Thickness 0.062"

Aircraft	Serial Number	Qty per Aircraft	Part Number
140A	All	2	MC0523531
		2	MC0523532
150, 150A,B,C,D, E,F,G,H,J[1]	17001 thru 15069454	2	MC0523531
		4	MC0523532
150J[1]	15069455 thru 15071128	2	MC0523531
		4 [2]	MC0523532
150K,L[1]	15071129 thru 15072628	2	MC0523531
		4 [2]	MC0523532
150L[1],M	15072629 thru 15079405	2	MC0426013-1
		2	MC0426013-2
A150K,L[1]	A1500001 thru A1500276	2	MC0523531
		4 [2]	MC0523532
A150L[1],M	A1500277 thru A1500734	2	MC0426013-1
		2	MC0426013-2
F150F,G,H,J	All	2	MC0523531
		4	MC0523532
F150K,L[1]	F15000530 thru F15000738	2	MC0523531
		4 [2]	MC0523532
F150L[1],M	F15000739 thru F15001428	2	MC0426013-1
		2	MC0426013-2
FA150K,L[1]	FA1500001 thru FA1500166	2	MC0523531
		4 [2]	MC0523532
FA150L[1],M	FA1500167 thru FA1500336	2	MC0426013-1
		2	MC0426013-2
152, A152, F152, FA152	All	2	MC0426013-1
		2	MC0426013-2
170A	All	A/R	MC0523531
		4	MC0523532
170B	All	2	MC0523531
		4	MC0523532
172, 172A,B,C,D, E,F,G,H,I	All	2	MC0523531
		4	MC0523532
172K,L[1]	17257162 thru 17259823	2	MC0523531
		4	MC0523532
172L[1]	17259824 thru 17259903	2	MC0523531
		4	MC0523532
172L[1],M[1]	17259904 thru 17263458	2	MC0426013-1
172M[1],N,P,Q	17263459 thru 17276654	2	MC0426013-1
		2	MC0426013-2
F172D,E,F,G,H[1]	F172-0001 thru F172-0559	2	MC0523531
		4	MC0523532
F172H[1],K	F172-0560 thru F17200804	2	MC0523531
		4	MC0523532
F172L,M[1]	F17200805 thru F17201234	2	MC0426013-1
F172M[1],N,P	F17201235 thru F17202254	2	MC0426013-1
		2	MC0426013-2
FP172, P172D	All	2	MC0523531
		4	MC0523532
FR172E,F,G,H[1]	FR17200001 thru FR17200300	2	MC0523531
		4	MC0523532
FR172H[1],J,K	FR17200301 thru FR17200675	2	MC0426013-1
R172E,F,G,H[1]	R172-0302 thru R1720494	2	MC0523531
		4	MC0523532
R172H[1]	R1720495 thru R1720620	2	MC0426013-2
R172K	R1722000 thru R1723454	2	MC0426013-1
175, 175A,B,C	All	2	MC0523531
		4	MC0523532

[1] Partial model eligibility
[2] Requires 8 each per aircraft for aircraft with long range tanks

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



Alcor Instruments and Probes

Don't waste your money on cheap instruments and probes.
There is a big difference!

Increase engine life and enhance safety through proper monitoring

- Faster responding probes than low dollar alternatives
- Temperature compensated gauges for accuracy all year round at any altitude
- Single gauges monitor one cylinder, dual gauges for twin engine aircraft monitor one cylinder per engine. Add a selector switch to make an economical *custom dials also available!*

Alcor — *A name you can trust.*

- Over 50 years experience – designed, manufactured and supported in the USA
- Generous warranty: 3 years for gauges, 5 years for grounded probes, 1 year for ungrounded probes
- FAA-PMA/STC approved for all aircraft with reciprocating engines

Simple Installation

- No power required from the aircraft (lighted gauges require power)
- Works even with an electrical failure
- Great for homebuilt or antique aircraft with no electrical system
- Gauges include all mounting hardware
- Standard 2 ¼" or 3 ⅛" gauge sizes



Fast delivery!

CHT Gauges

Indicates true temperature from 200-600°F or 100-300°C in 25° increments

Save with kits on page 206!

P/N	Description	Compatible Thermocouple	Size	Calibration [1]
46171	CHT Gauge Celsius	J - Black & Yellow	2¼"	250C @ 8.0 Ω
46151	CHT Gauge	J - Black & Yellow	2¼"	500F @ 8.0 Ω
46127	CHT/CHT Dual Gauge	J - Black & Yellow	2¼"	500F @ 8.0 Ω
46157	CHT/CHT Dual Gauge	J - Black & Yellow	3⅛"	500F @ 8.0 Ω

[1] Factory calibrated at the specified temperature for any Alcor type J leads and probes.



P/N 46171 P/N 46151 P/N 46127 P/N 46157

Combination CHT/EGT Gauges

- CHT indicates true temperature from 200-600°F in 25° increments
- EGT indicates temperature relative to peak in 25° increments (lean to peak temperature indicated with an * — must be calibrated in-flight)
- 3 ⅛" size includes adjustable reference needle for the EGT

EGT Gauges on next page

P/N	Description	Compatible Thermocouple	Size	Calibration [1]
46126	CHT/EGT Dual Gauge	J - Black and Yellow (CHT) K - Red and Yellow (EGT)	2¼"	500F @ 8.0 Ω / 1600F @ 3.63 Ω
46156	CHT/EGT Dual Gauge	J - Black and Yellow (CHT) K - Red and Yellow (EGT)	3⅛"	500F @ 8.0 Ω / 1600F @ 3.63 Ω

[1] CHT Factory calibrated for any Alcor J leads and probes. EGT Factory calibrated for specified total lead and probe resistance, but may be re-calibrated in flight.



P/N 46126 P/N 46156

EGT Gauges

Save on fuel costs with precision leaning!

- Quick visual reference to peak EGT
- Set peak reference with easy in-flight calibration – special calibration screwdriver included!
- Single 2¼" and dual 3⅛" models include an adjustable reference needle
- Two marking options: Relative to peak (lean to peak temperature indicated with an *asterisk** — must be calibrated in flight) or true temperature from 1200-1700°F in 25° increments



P/N 46125
P/N 46188-3



P/N 46150
P/N 46148 w/Light 12V
P/N 46149 w/Light 24V



P/N 46164



P/N 46244 (7.6 Ω)
P/N 46162 (3.3 Ω)



P/N 45993 (Type E)
P/N 46000-1
P/N 46000-3
P/N 46000-7
P/N 46115 (w/light)
P/N 46155

P/N	Description	Compatible Thermocouple	Size	True Temp or Relative to Peak	Calibration [1]
46000-1	EGT/EGT Dual Gauge	K - Red & Yellow	3⅛"	TT	1650F @ 8.2 Ω (264") [2]
46000-3	EGT/EGT Dual Gauge	K - Red & Yellow	3⅛"	TT	1550F (100") [2] Front 3.6 Ω Rear 7.8 Ω (250")[2]
46000-7	EGT/EGT Dual Gauge	K - Red & Yellow	3⅛"	TT	1650F @ 7.6 Ω (240") [2]
46115	EGT/EGT Dual Gauge w/Light 24V	K - Red & Yellow	3⅛"	RTP	1600F @ 7.44 Ω [3]
46125	EGT/EGT Dual Gauge	K - Red & Yellow	2¼"	RTP	1600F @ 7.44 Ω [3]
46148	EGT Gauge w/Light 12V	K - Red & Yellow	2¼"	RTP	1600F @ 3.63 Ω [3]
46149	EGT Gauge w/Light 24V	K - Red & Yellow	2¼"	RTP	1600F @ 3.63 Ω [3]
46150	EGT Gauge	K - Red & Yellow	2¼"	RTP	1600F @ 3.63 Ω [3]
46155	EGT/EGT Dual Gauge	K - Red & Yellow	3⅛"	RTP	1600F @ 7.44 Ω [3]
46162	EGT Gauge w/Green Arc	K - Red & Yellow	2¼"	TT	1650F @ 3.3 Ω (90") [2]
46164	EGT Gauge	K - Red & Yellow	2¼"	TT	1650F @ 3.3 Ω (90")[2]
46188-3	EGT Dual Gauge w/Light	K - Red & Yellow	2¼"	RTP	1600F @ 7.44 Ω [3]
45993	EGT/EGT Dual Gauge	E - Red & Brown	3⅛"	RTP	1550F @ 8.9 Ω [3]
46244	EGT Gauge w/Green Arc	K - Red & Yellow	2¼"	TT	1650F @ 7.6 Ω (240") [2]

[1] Factory calibrated at the specified temperature for the specified total probe and lead resistance. Calibration temperature also indicates the location of the * or red line.
[2] Factory calibrated for leads of the indicated length but may be recalibrated for different lead lengths either at the factory or with an Alcal 2000 or 2000+ System.
[3] Factory calibrated for the specified total lead and probe resistance, but may be easily recalibrated in flight.

TIT Gauges

- Dual gauges for twin engine aircraft
- Indicates true temperature from 1200-1700°F in 25° increments



P/N 46243



P/N 46124



P/N 46224
P/N 46000-4

P/N	Description	Compatible Thermocouple	Size	Calibration [1]
46000-4	TIT/TIT Dual Gauge w/Light 24V	K - Red & Yellow	3⅛"	Scale 1650F @ 6.2 Ω (192")[2]
46224	TIT/TIT Dual Gauge	K - Red & Yellow	3⅛"	Scale 1650F @ 7.44 Ω (216")[2]
46243	TIT Gauge	K - Red & Yellow	2¼"	Scale 1650F @ 3.63 Ω (90")[2]
46124	TIT/TIT Dual Gauge	K - Red & Yellow	2¼"	Scale 1650F @ 7.6 Ω (240")[2]

[1] Factory calibrated at the specified temperature for the specified total probe and lead resistance. Calibration temperature also indicates the location of the red line.
[2] Factory calibrated for leads of the indicated length but may be recalibrated for different lead lengths either at the factory or with an Alcal 2000 or 2000+ System.

Fiberglass Fire Sleeve

P/N 49297

Protects wires from engine and exhaust heat. 6" length



Alumel EGT Lead Stagger Adapter

P/N 42523

Converts a probe from normal to reverse stagger



CHT RTD Thermistor Bulb

FAA-PMA approved P/N 86146

NEW

- Approved replacement for many obsolete part numbers
- Only approved product of its kind

Aircraft	Replaces	Model
Beech	AN-5546-1 102-00007 MS24482-1	95-55, 95-B55, G58, E55, E55A, 58, 58P, 58TC, F33A, F33C, V35B, A36, B36TC
Cessna	8013601-4 8013601-6	210, 310, 335, 340, 401, 402, 404
Piper	AN5546-1 102-00007 4537751	PA-31, PA-31-300, PA-31-325



Manufactured by Alcor

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Alcor Leads

- High quality stranded material for flexibility and long life (cheapy single stranded leads are prone to break)
- Used to attach a thermocouple probe to a gauge
- Must be of the same type as the thermocouple (e.g., a Type K probe must use Type K leads)
- Do not shorten or splice as this will alter the resistance and require recalibration of the gauge. See calibration note

CHT Leads

- Integrated resistor ensures the same resistance regardless of length
- Choose leads based on the distance from the probe to the gauge

EGT/TIT Leads

- Each length has a different resistance
- Total resistance of the lead and the probe must match the cali bration of the gauge
- Choose replacement leads based on the calibration of the existing gauge
- For a new system, choose leads based on the distance from the probe to the gauge and choose a gauge with the corresponding calibration

Calibration note:
EGT gauges with relative lean to peak markings may be easily recalibrated in flight per the instructions provided with the gauge. TIT, CHT and EGT gauges with True Temperature markings must either be recalibrated with an Alcal System Tester or returned to Alcor for recalibration if the total lead and probe resistance does not match the gauge calibration. Digital or amplified gauges from other manufacturers are not sensitive to lead resistance, therefore leads may be shortened as needed for these applications without requiring recalibration.





CHT Type J Black and Yellow		
P/N	Resistance	Length
42535	7.76 ± .20 Ω	90"
42536	7.76 ± .20 Ω	144"
42543	7.76 ± .20 Ω	216"
42537	7.76 ± .20 Ω	240"

EGT Type K Red and Yellow		
P/N	Resistance	Length
42525	4.34 ± .08 Ω	90"
42526	2.71 ± .06 Ω	144"
42528	6.52 ± .11 Ω	216"
42527	7.25 ± .12 Ω	240"

Bulk wire now available!
P/N 98156 (Type K Thermocouple Extension)
P/N 98204 (Type J)
P/N 98211 (Type K)

Save with kits see page 206!

JPI, EI and Westach to Alcor Probe Adapter

Makes upgrading to premium Alcor EGT/TIT probes easy!
P/N 74291

- Adapts small diameter (faster response) clamp style Alcor probes to exhaust hole diameters up to 0.25”
- Provides positive exhaust gas seal
- For EGT clamp style Probes



Manufactured by Alcor, Inc.

CHT Bayonet Adapter

P/N 28202

- 3/8"-24 UNF thread
- Threads into cylinder thermowell
- Adapts to standard bayonet probes



Manufactured by Alcor

Bulk Wire and Hardware for Alcor Probes Installed in Garmin Units

Bulk Wire P/N 98214
Hardware P/N 38091

NEW

- Wire bulk comes in 50 ft length
- Specifically designed for the Alcor probes in the table, but works with any Type K Alcor probes

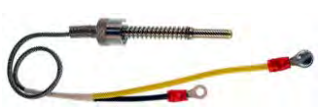
Garmin P/N	Alcor P/N	Description
494-700008-01	28202	CHT Adpater (used with probe 86252)
494-700002-00	86245	EGT/TIT Screw-In (7/16-20)
494-700008-00	86252	CHT Bayonet Style Type K (use adapter P/N 28202)
494-700000-00	86253	CHT Bayonet Style Type K, screw in
494-700001-00	86255	EGT Clamp Type K

CHT Thermocouple Probes

Includes fire sleeve and ring terminal hardware. Two different mount styles are available:

Bayonet Mount
These twist and lock into a screw-in adapter. The probe is spring loaded to ensure contact with metal instead of air. Choose bayonet style if the engine model is equipped with threaded thermowell receptor and/or bayonet adapter in the cylinders. (see above for adapter)

Gasket Mount
These do not require a screw-in adapter. The 18mm gasket fits on many common spark plugs. Some engine designs, such as radial engines, the O-235 and O-200, may prevent the use of bayonet style or may not allow for the use of a bayonet adapter. Choose gas-ket style if the engine model is NOT equipped with threaded thermowell receptor and/or bayonet adapter in the cylinders.



P/N 86251



P/N 86202



P/N 86252

P/N	Desc.	Thermocouple Type	Mount	Grounded or Ungrounded	Stagger	Resistance
86251[1]	CHT Probe	J - Black & Yellow	Bayonet	Grounded	Normal	0.24 ± .05 Ω
86202	CHT Probe	J - Black & Yellow	Gasket, 18 mm	Grounded	Normal	0.13 + .16 Ω - .05 Ω
86252[1]	CHT Probe	K - Red & Yellow	Bayonet	Grounded	Reverse	0.66 ± .10 Ω
86268	CHT Probe	K - Red & Yellow	Gasket, 18 mm	Grounded	Normal	0.60 ± .10 Ω
86268-2	CHT Probe	K - Red & Yellow	Gasket, 14 mm	Grounded	Normal	0.60 ± .10 Ω

[1] Requires bayonet adapter P/N 28202 (see above). Screws directly into thermowell.

EGT and TIT Thermocouple Probes

Alcor EGT probes are accurate +/-25° at 1500°F. Includes fire sleeve and ring terminal hardware. Two different mount styles available:

Screw-In Mount

This option provides the neatest installation. Many engines now come with a hole already threaded for a screw-in probe. If not, a threaded weld boss (P/N 28113) can be purchased to retrofit an engine. Alcor screw-in probes are available in 7/16"-20 UNF thread common in Continentals or 1/4"-18 NPT thread common in Lycomings. Some probes are available with adjustable depth to accommodate different weld boss heights. The probe tip should be 3/4" into the tube. Screw-in probes are also available with a 90° bend or an 8° bend to allow for an engine design that will not accommodate the straight-in style.

P/N	Indx	Description	Thermocouple Type	Mount	Grounded or Ungrounded	Stagger	Resistance
86143 1	16	EGT/TIT Probe	K - Red and Yellow	Screw-In, ¼" NPT	Grounded	Normal	0.89 ± .10 Ω
86160 2	3	EGT/TIT Probe	K - Red and Yellow	Screw-In, 7/16"-20	Grounded	Reverse	0.70 ± .10 Ω
86161 1	2	EGT/TIT Probe 90° Bend	K - Red and Yellow	Screw-In, ¼" NPT	Grounded	Reverse	0.70 ± .10 Ω
86230 1	4	EGT/TIT Probe 8° Bend	K - Red and Yellow	Screw-In, ¼" NPT	Grounded	Normal	0.89 ± .10 Ω
86240	5	EGT/TIT Probe	K - Red and Yellow	Screw-In, 7/16"-20	Grounded	Normal	0.80 ± .10 Ω
86245 2	6	EGT/TIT Probe, 11.56"	K - Red and Yellow	Screw-In, 7/16"-20	Grounded	Reverse	0.70 ± .10 Ω
86307 1 2	7	EGT/TIT Probe	K - Red and Yellow	Screw-In, ¼" NPT	Ungrounded	Normal	0.71 ± .03 Ω
86308 1 2	9	EGT/TIT Probe	K - Red and Yellow	Screw-In, 7/16"-20	Ungrounded	Normal	0.71 ± .03 Ω
86309 2	8	EGT/TIT Probe, Long Lead	K - Red and Yellow	Screw-In, 7/16"-20	Ungrounded	Normal	1.60 Ω
86341 1	10	EGT/TIT Probe	K - Red and Yellow	Screw-In, ⅛" NPT	Ungrounded	N/A	0.94 ± .10 Ω

1 Adjustable depth tip
2 Built in radiator

Clamp Mount

This is the most common option because installation is easy and no welding is required. A hole is simply drilled in the exhaust near the mounting flange. The probe is inserted in the hole and a hose-clamp style clamp secures it in place. Clamps are available in various sizes to accommodate different sized exhaust tubes.

P/N	Indx	Description	Thermocouple Type	Mount	Grounded or Ungrounded	Stagger	Resistance
86226 2	12	EGT/TIT Probe	K - Red and Yellow	Clamp, 3¼" Max	Grounded	Reverse	0.70 ± .10 Ω
86255 2 4	11	EGT/TIT Probe	K - Red and Yellow	Clamp, 1⅛" to 3⅜"	Grounded	Normal	0.80 ± .10 Ω
86275 2	14	EGT/TIT Probe, 13.8"	K - Red and Yellow	Clamp, 3¼" Max	Grounded	Normal	0.80 ± .10 Ω
86281 2	13	EGT/TIT Probe	K - Red and Yellow	Clamp, 3¼" Max	Grounded	Normal	0.85 ± .10 Ω
86310 2	1	EGT/TIT Probe	K - Red and Yellow	Clamp, 2.35" Max	Ungrounded	Normal	1.60 Ω
86343 2 3	15	EGT/TIT Probe	K - Red and Yellow	Clamp, 3¼" Max	Ungrounded	Normal	0.80 Ω

2 Built in radiator
3 Omega style male plug connector. Does not include fire sleeve.
4 Connector hardware kit P/N 38094 contains 2 each Nuts, Washers and Screws. Can be purchased separately and is included with P/N 86255.

Weld Boss Plug
P/N 28204
Screws into unused weld boss ports
7/16"-20 UNF thread



EGT/TIT Weld Boss
P/N 28113
Weld to exhaust tube to use screw-in probes
7/16"-20 UNF thread



Copper Gasket
P/N 70354
Used as a seal with EGT/TIT Probe P/N 86160 and Weld Boss P/N 28113


1
P/N 86310


2
P/N 86161


3
P/N 86160


4
P/N 86230


5
P/N 86240


6
P/N 86245


7
P/N 86307


8
P/N 86309


9
P/N 86308


10
P/N 86341


11
P/N 86255


12
P/N 86226


13
P/N 86281


14
P/N 86275


15
P/N 86343


16
P/N 86143

McFarlane®

So D A M™ good we had to share it!

Window Cleaner

Fast, streak-free, and safe on all surfaces

Also great for motorcycles, boats, RVs, and more





Window Towels

No more scratches on your windows!

Avoid the scratches left behind from standard paper towels

Pulley Oil

Improved oiler, same great oil!

Perfect for hard-to-reach areas





Exhaust Lube

The only anti-seize that actually works!

Use on exhaust ball joints, clamps, slip joints, and hardware

Protects up to 2400°, with no stainless corroding graphite!



*See **Tools and Maintenance** section of catalog for details*

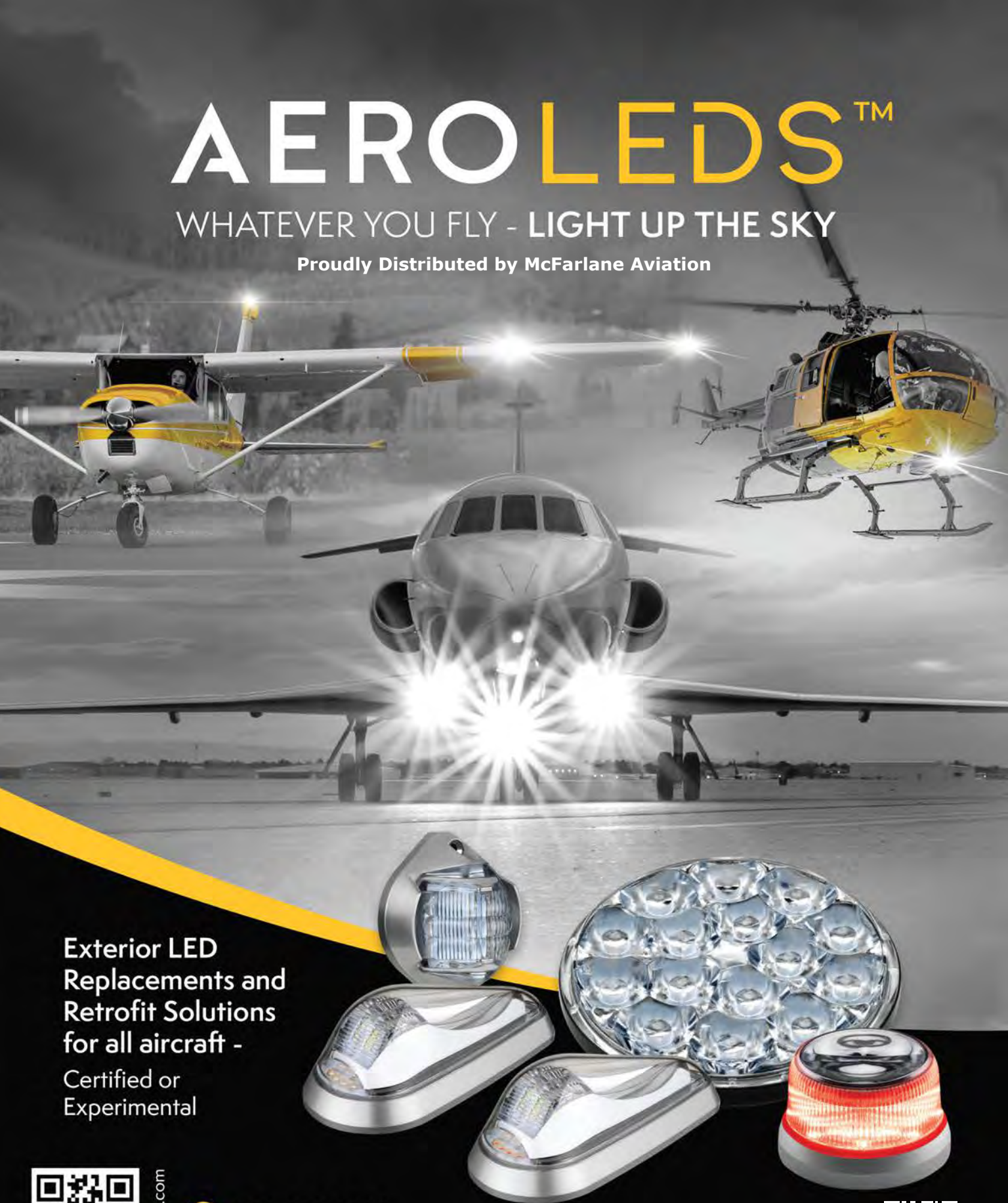
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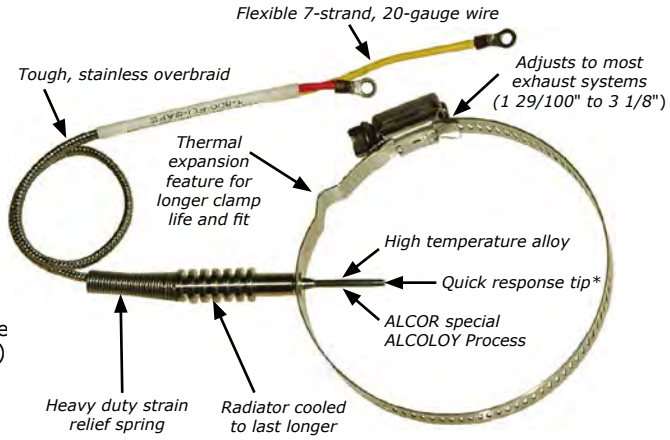
Visit McFarlane's website for more information!
Scan the code

Thermocouple Probes

With over 50 years of aviation manufacturing experience, Alcor makes the highest quality, longest lasting, and fastest responding probes.

- Best warranty in the industry (5 year on grounded probes, 1 year on grounded probes)
- Improved design features
- Designed, manufactured and supported in the USA

Alcor probe tips are the smallest in the industry for the fastest response time



Thermocouple Types: What's the difference?

A thermocouple is formed by the junction between two metals. When the junction is heated, a very small voltage measured in millivolts (1/1000V) is generated. The higher the temperature, the higher the voltage. Each metal combination is best suited for a specific temperature range. The type of thermocouple indicates the metal combination.

Three types are used in aviation EGT, CHT, and TIT applications:

Type	Wires			Description
	Color	Polarity	Material	
J	Yellow	-	constanton	Very sensitive. Limited to lower temps. Not for EGT or TIT probes.
	Black	+	iron	Standard for CHT probes. Required for all Alcor CHT gauges.
K	Red	-	alumel	Sensitive over a broad range of temps. Standard for EGT and TIT probes
	Yellow	+	chromel	and some amplified or digital CHT gauges from other companies.
E	Red	-	constanton	Used in older EGT systems. Alcor still supplies Type E gauges and a limited supply
	Brown	+	chromel	of probes, but not supply leads. If new probes or leads are required, it is a good time to upgrade to a Type K system. Brown wire may look tan or silver.

The type of thermocouple must match the type of gauge and lead.

Grounded vs Ungrounded

Grounded probes have the thermocouple junction welded directly to the probe shaft. They have faster response time, longer life, and lower cost, but since they have continuity with the engine ground, they are susceptible to more electrical noise. This noise does not affect Alcor gauges, but can cause problems with some amplified or digital gauges from other manufacturers. All Alcor gauges can use grounded thermocouple, although some airframe manufacturers require ungrounded probes.

Ungrounded probes have the thermocouple junction isolated from the probe shaft so there is no continuity between the thermocouple and the engine ground resulting in less electrical noise. They are required for some amplified or digital gauges from other manufacturers and by some airframe manufacturers.

Connectors

Most probes have ring terminal connectors however some have a Omega style male plug connector.
Omega style plugs are ***now available*** for converting an existing ring terminal installation.

Ring Terminals





Omega Connector
P/N 23931 (male)
P/N 23955 (female)
P/N 23932 (male Type J)
P/N 23944 (female Type J)

Stagger

The two different color probe wires are typically different lengths to ensure the correct polarity when reattaching them to the lead going to the gauge. Stagger refers to which color wire is longer.

For Type K probes, two options are available:

Normal: The yellow probe wire is longer



Reverse: The yellow probe wire is shorter



Normal and reverse stagger probes and leads are all completely compatible, however, having the correct stagger ensures a neat installation and correct polarity. P/N 42523 EGT Lead Stagger Adapter is available to convert a normal stagger to a reverse stagger.

Save $$$ with kits on next page!

Complete Kits

- Save with complete kits from McFarlane!
- Includes everything you need



Kit P/N	Description	Kit Contents: Gauge	Probes	Leads	Accessories (included)
211-110	2¼" EGT, Clamp Probe, 90" Lead	(1) 46150	(1) 86255	(1) 42525	
211-140	2¼" EGT, Clamp Probes, 90" Leads, 4 Cylinder Switch	(1) 46150	(4) 86255	(4) 42525	(1) 80825
211-160	2¼" EGT, Clamp Probes, 90" Leads, 6 Cylinder Switch	(1) 46150	(6) 86255	(6) 42525	(1) 80825
211-210	2¼" EGT, Clamp Probe, 144" Lead	(1) 46150	(1) 86255	(1) 42526	
213-101	2¼" CHT, Bayonet Probe, 90" Lead	(1) 46151	(1) 86251	(1) 42535	(1) 28202
213-104	2¼" CHT, Bayonet Probes, 90" Leads, 4 Cylinder Switch	(1) 46151	(4) 86251	(4) 42535	(4) 28202, (1) 80825
213-201	2¼" CHT, Bayonet Probe, 144" Lead	(1) 46151	(1) 86251	(1) 42536	(1) 28202
222-111	2¼" CHT/EGT Bayonet/Clamp Probes, 90" Leads	(1) 46126	(1) 86251, (1) 86255	(1) 42525,(1) 42535	(1) 28202
222-144	2¼" CHT/EGT Bayonet/Clamp Probes, 90" Leads, 4 Cylinder Switch	(1) 46126	(4) 86251, (4) 86255	(4) 42525,(4) 42535	(4) 28202, (1) 80827
222-211	2¼" CHT/EGT Bayonet/Clamp Probes, 144" Leads	(1) 46126	(1) 86251, (1) 86255	(1) 42526,(1) 42536	(1) 28202
222-266	2¼" CHT/EGT Bayonet/Clamp Probes, 144" Leads, 6 Cylinder Switch	(1) 46126	(6) 86251, (6) 86255	(6) 42526,(6) 42536	(6) 28202, (1) 80827
46126-Kit	2¼" CHT/EGT Dual Meter Kit	(1) 46126	(1) 86202, (1) 86255	(1) 42525,(1) 42535	
322-111	3⅛" CHT/EGT Bayonet/Clamp Probes, 90" Leads	(1) 46156	(1) 86251, (1) 86255	(1) 42525,(1) 42535	(1) 28202
1136-B20A	3⅛" Dual EGT, Screw-In Probes 240" Leads	(1) 46155	(2) 86245	(2) 42527	


P/N 46150


P/N 46156


P/N 86245


P/N 86255


P/N 86251


P/N 42535


P/N 42525


P/N 80825/80827


P/N 28202

Alcal 2000+ EGT/CHT/TIT System Tester/Calibrator

Trusted by aviation technicians since 1970!
P/N 85337

The Alcal 2000+ manufactured by Alcor provides everything needed for accurate calibration and troubleshooting of EGT/CHT/TIT, Type K, J, and E systems. The tester simulates thermocouple output millivolts so that instruments can be calibrated on the ramp or in the shop. The Alcal 2000+ also accepts a millivolt input while testing Alcor thermocouples installed in its special heater for accurate analysis at operating temperatures.

The Alcal 2000+ is also designed to check the accuracy of an entire system or the individual components. While the thermocouple is in the heater, the instrument can be read in the panel and recalibrated as necessary while simulating temperatures up to 1750°F. An easy-to-read LCD display makes accurate settings a snap. With its rugged Pelican case, the Alcal 2000+ is ready to use anywhere! Certification of the Alcal 2000+ is traceable to the National Institute of Standards and Technology (NIST).


P/N 85337

First annual calibration free!


New removable lid


P/N 86188


P/N 28187


P/N 86261

Alcal Accessories and Replacement Parts	
28187	Adapter for gasket style CHT thermocouples
28202	CHT Adapter
35291	EGT Heater for Alcal 2000 with 0.128" hole
35309	EGT Heater for older Alcal systems
35311	CHT Heater for Alcal 2000
72112	Eutectic Refill, EGT
86188	EGT/TIT Reference Thermocouple for Alcal 2000
86261	CHT Reference Thermocouple for Alcal 2000

New version of the trusted Alcal 2000 with great improvements!

- Pelican case redesigned with removable lid
- Internal carrying handle for transporting w/o lid
- 3rd EGT/TIT Heater (P/N 35291) accepts competitor's larger probes
- Easy access to the fuse for quick replacement if necessary
- Includes all reference probes and accessories needed for testing and calibrating EGT, TIT, and CHT systems


P/N 35291


P/N 35309


P/N 35311

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Buss Fuses

Hard to find 9/32" OD
4AG/AGS/ABS Series

The 4AG series fuses are commonly specified in older aircraft. About 30 years ago Buss superseded them to the obsolete AGS series fuses. Even this newer series, is now leaving many aircraft owners struggling to find replacements.

The AGS fuses are now being replaced by ceramic ABS series of fuses that have the same electrical and thermal performance. McFarlane now has all three series (4AG, AGS, ABS) with a mix of new and new surplus fuses in stock.

Note: AGC series auto fuses are smaller (1/4" OD) and have different thermal properties than the 4AG/AGS/ABS fuses.

- Glass or ceramic tube, 9/32" X 1-1/4"
- Part numbers 4AG-#, AGS-#, or ABS-# Where # indicates current rating in Amps (1 to 40 Amps)
- Sold in packs of 5 each



Sensorcon AV8 CO Detector

NEW

Portable Carbon Monoxide Monitor
Water-resistant and shock proof!

Alligator Clip included!

AV8 Inspector
P/N AV8-CO-01

- Larger screen size
- Range: 0-1999ppm
- Different alarm settings: visual and audio (Pro offers adjustable alarms)
  - Low alarm: greater than 35ppm
  - High alarm: greater than 200ppm
- Battery life: greater than 2 years
- Calibration life: 2 years
- Temp range: -20° C through 50° C
- Humidity range: 20% to 90%
- Response time: 20 seconds
- Hard mount



AV8 Inspector Pro
P/N AV8-CO-03
Same features as the AV8 Inspector, with these additional features:

- Vibrating alarm
- Alarm adjust settings
- 24-hour TWA protection

2-Year Warranty



Calibration note:
User needs to send detector in for calibration every 2 years. Cost is $50 with turnaround time at about 3 days.

Forensics CO Detector

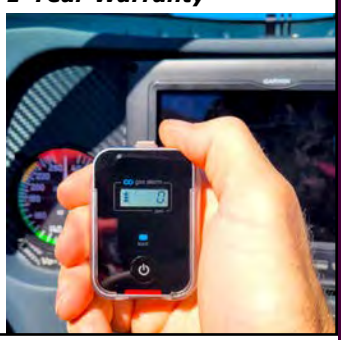
NEW

Portable Carbon Monoxide Monitor
CO Detector: P/N CAR001
Alligator Clip: P/N CAR001-ALLIGATOR
CO Detector and Alligator Clip Complete Kit: CAR001-KIT

- Smaller in size and smaller screen size
- Range: 0-999ppm
- Different alarm settings:
  - Low alarm: greater than 9ppm visual alarm
  - High alarm: greater than 25ppm visual and audio
- Battery life: 6-8 months
- No calibration necessary
- Temp range: -10° C through 50° C
- Humidity range: 15% to 90%
- Response time: 60 seconds
- Stick-on mount



1-Year Warranty





Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



Stock
McFarlane has over 4,500 cable assemblies and chains in stock. We have FAA-PMA approved cables available in corrosion-resistant, high-strength steel for most 100/200 series Cessna aircraft, PA28, PA32 and PA34 series Piper aircraft and G-164 series Ag-Cat aircraft. McFarlane also stocks cables for single engine piston and many turbine and twin engine Beechcraft, and stabilator adjust cables for Piper J-3, PA-11, PA-12, PA-14, PA-16, PA-18, PA-18A, PA-20 and PA-22.

Quality
McFarlane aircraft flight control cables offer quality that is second to none in the aircraft industry. Our quality assurance procedures and personnel ensure that our aircraft flight control cables meet the highest standards possible. These standards exceed the military specifications that govern aircraft flight control cables.

Each McFarlane cable assembly is made from the highest quality U.S. manufactured materials from suppliers that have been listed by the U.S. government as being tested and qualified for government use (QPL listed). Before cable assemblies are accepted a sample from each lot is subjected to a test load equal to 100% of their rated minimum breaking strength and then destroyed. Each cable terminal swaged on a cable assembly is inspected for proper dimension. All assemblies produced are pre-stretched to eliminate rigging and growth changes after installation. In addition, each and every McFarlane cable assembly must endure a sustained proof load equal to 60% of the cable's minimum rated breaking strength assuring the safest and highest quality aircraft flight control cables available.

Custom Cables
Custom cable assemblies can be fabricated and certified to specification MIL-DTL-6117, or certified to your special specifications. Our custom cables with standard fittings are pre-stretched and proof loaded in accordance with MIL-DTL-5688. Cables using nonstandard fittings are proof loaded and pre-stretched when possible, but cannot be certified to the MIL-DTL-5688 or MIL-DTL-6117 standards.

McFarlane can also manufacture and certify cable assemblies to the NAS302 through NAS310 standards. Cable assemblies requiring special non-standard terminals can be made to your data or old cable using our precision machine shop, inspection system, and quality controlled processes. Several industry standard corrosion preventative coatings are also available. Our experienced engineering staff is available to develop cables for unique applications.

Traceability of all materials and test reports are maintained for our custom cables.

Our extensive stock of cable and fittings allows us to quickly provide one to three day service for most orders. A custom cable design form is available on our website, or send us your old cable.

Custom assemblies are manufactured using the same materials and attention to quality as our FAA-PMA products, however, custom cables are not FAA-PMA approved.

Stainless Steel or Galvanized Steel Cable?
Stainless steel is corrosion resistant and works well in environments such as salt air, water saturation, or agricultural chemicals. Galvanized carbon steel and stainless cables are soaked in a MIL-SPEC rust preventative and lubricating compound. In normal environments, the galvanized cable will not suffer from corrosion damage for decades.

The advantages of galvanized cables are their wear resistance and cost. They resist abrasion wear about 5x longer than stainless steel.

Stainless steel wire is high in nickel, therefore softer than the carbon steel wire. Stainless steel cable will show signs of wire wear at pulleys and fairleads much quicker than the galvanized carbon steel wire.

We recommend using galvanized steel cables except in coastal geographical areas, agricultural aircraft, float planes, and other applications where the cable is exposed directly to water. ***Only McFarlane has FAA-PMA approved galvanized cables for the new production Cessna aircraft.***

All Beechcraft cables are made from galvanized steel cable and coated with a modified MIL-PRF-16173 compound. This is the same process used on Beechcraft original cables. It provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil. This provides both exceptional wear resistance and corrosion protection for many years.

Bulk Cable
McFarlane buys certified cable in large quantities direct from the mill. This allows us to provide low prices on bulk cable.

McFarlane offers pre-packaged bulk cable in a variety of sizes. Cable can be ordered in 100 ft. or 500 ft. lengths. Certification from the cable manufacturer is given with every order.

Pulleys
McFarlane stocks all pulleys required for Cessna single engine aircraft. Our FAA-PMA approval on pulleys replace the AN, NAS and S series pulleys commonly used on Cessna aircraft. Pulley kits contain all the pulleys and cotter pins required for one aircraft.

Trim Control Chains
McFarlane offers the trim control chains for Cessna single engine and most Beechcraft aircraft. Don't forget to replace your trim control chains and connecting links where necessary!





Hardware
McFarlane stocks an extensive inventory of cable hardware. We offer terminals, turnbuckles, eye ends, sleeves, locking clips, barrels and balls. Let our purchasing volume save you money!

Buy Complete Kits and Save!
McFarlane has complete flight control cable and trim chain kits for many aircraft, including Cessna, Piper, and Beechcraft.

Most of the light aircraft fleet has seen many years of service and have endured many flight hours. Worn, rusty, and frayed cables are now common. It is a tedious, time consuming job to research the part manuals for all cables required for a complete aircraft. McFarlane has done the research and has all of the part numbers required for your aircraft.

We stock kits in either galvanized-carbon steel or stainless steel. All components are fully traceable and carry a one-year limited warranty.

Sub-System Kits Now Available!
Along with our complete kits, we now offer sub-system kits for many Cessna, Piper, and Beechcraft aircraft. Now you can easily replace all the cables in each subsystem: aileron, elevator, rudder, and flap!



We are one of a few DOD QML-6117 certified manufacturers of aircraft cable assemblies!

- McFarlane quality is second to none!
- Over 25 years of cable experience!
- Many cables available in galvanized and stainless steel
- Cables are sold in kits or separately
- When you order cable and cable terminals from McFarlane you will always receive a certified product!
- Our large volume purchases give you great prices!



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Hardware

Over 100 certified aircraft control cable hardware part numbers in STOCK at discounted prices!!

- Balls, BM Series
- Balls, Single Shank, MS20664 Series
- Balls, Double Shank, MS20663 Series
- Barrels, Brass, MS21251 Series
- Bushings, AN111 Series
- Locking Clips, MS21256 Series
- Shackles, AN115 Series
- Sleeves, Tin and Zinc, MS51844 Series
- Special Terminals
- Straps, Eye and Fork NAS1435 Series
- Terminals, Eye, MS20668 Series
- Terminals, Fork, MS20667 Series
- Terminals, Stud, MS21259 Series
- Terminals, Turnbuckle MS21260 Series
- Thimbles, AN100 Series
- Turnbuckles, Clevis End, MS21252 Series
- Turnbuckles, Eye end for Pin, MS21254 Series
- Turnbuckles, Eye end for wire rope, MS21255 Series

McFarlane now manufactures NAS1435 and DOD QPL-781 qualified terminals



Cable Stop

P/N MC6057



- Improved for more consistent holding strength
- Used on the assist step cable on Beech Bonanzas 35, A35, C35
- (1) MC6057 replaces both Beech 35-524287 nut and 35-524288 screw part numbers
- Also included on select cable assemblies as required

Aileron Bellcrank Bushing

P/N MC0422280



- Use on all single engine Cessna
- High strength alloy steel
- Replace when replacing aileron cables
- 4 each included in all applicable Cessna cable kits

Parking Brake Cables for Cessna Aircraft

Don't forget to replace worn out parking brake cables!

Locate your make, model, and serial number on pages 217-260 to find the correct part number for your aircraft.



AG-CAT Aircraft Cables



Subassemblies consisting of a long and short cable are available. Call for details.

Aileron Cables			
Model	**Location**	**Part Number**	**Qty per Aircraft**
G-164	Upper Sector	MCA1860-101	2
G-164	Lower Sector	MCA1860-101	2
G164A	Upper Sector	MCA1860-401	2
G164A	Lower Sector	MCA1860-101	2
G164B	Upper Sector	MCA2860-7	2
G164B	Lower Sector	MCA2860-5	2
Rudder Cables			
G164, G164A	Left Hand	MCA1860-35	1
G164, G164A	Right Hand	MCA1860-36	1
G164B	Left & Right	MCA3860-3	2

Stabilator Adjust Cables for Piper Aircraft

- Time tested 'long splice' method for strength and reliability
- Available in galvanized or stainless
- Custom lengths available for your antique projects

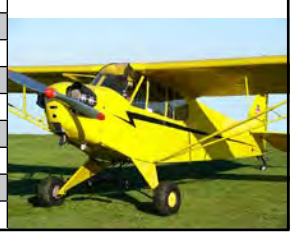


Self lubricating Fairlead

P/N MC42911



Model	S/N	P/N	Composition
J-3, PA-11	All	MC41671-2	Galvanized
PA-12	All	MC41671-5	Galvanized
PA-12	All	MC41671-6	Stainless
J-3, PA-11	All	MC41671-8	Stainless
PA-14	All	MC41671-9	Galvanized
PA-16, PA-20	All	MC41671-11	Galvanized
PA-14	All	MC41671-12	Galvanized
PA-18, PA-18A	1 thru 548	MC41671-13	Galvanized
PA-16	All	MC41671-14	Stainless
PA-18, PA-18A	All with Floats	MC41671-15	Stainless
PA-20, PA-22	All	MC41671-16	Galvanized
PA-18, PA-18A	549 and On	MC41671-17	Galvanized
PA-22	354 and On	MC41671-18	Stainless
PA-18, PA-18A	All with Floats	MC41671-19	Stainless



Bulk Cable

Great prices on galvanized or stainless steel

All cable meets MIL-DTL-83420 certification

- Direct mill purchases let us save you $$$
- Pre-packaged in 100 and 500 foot lengths
- Custom lengths available

Save $$$



Manufacturer cert. provided with every order

Diameter	Cable	Galvanized	Stainless
1/16	1X19	•	
	7X7	•	•
	7X19	•	•
1/8	7X19	•	•
1/4	7X19	•	•
3/32	1X19	•	
	7X7	•	•
	7X19	•	•
3/16	7X19		•
3/8	7X19	•	•
5/32	7X19	•	•
5/16	7X19	•	•

How to Determine Flight Cable Composition



Using a magnet to determine if a cable is galvanized steel or stainless steel alloy can be unreliable as stainless steel can display magnetic properties which can make alloy discrimination difficult. The unreliability comes from variation in the amount of magnetic permeability found in the stainless steel cable and from strength differences in the magnets used. Stainless steel cables become magnetic in the process of cold working stainless steel wires into cable. The amount of magnetic permeability varies with the amount of cold working the cable was subject to. It is also possible cables in-service will become more magnetic over time as they work-harden through use.

A better test is to use an ohm meter to measure the resistance in a length of cable. Stainless steel has more electrical resistance than zinc or tin coated high carbon steel, which allows us to identify cable composition by the amount of resistance in a length of cable. This test is applicable to the most common aircraft cable diameters: 1/16 through 5/32 with 7x7 or 7x19 construction. To ensure accuracy in cable resistance measurements, use the following procedure:

- You will need access to at least 3 feet of cable
- The ohm meter and leads must be in good condition
- Electrical isolation of the cable from the aircraft is required for an accurate resistance measurement. The cable should be removed from the aircraft or at least one end of the cable disconnected from the aircraft. Ensure the cable is not touching anything conductive between the freed end and the area of the measurement
- For non-auto ranging multimeters, set the resistance range to the lowest scale (typically 1x) and zero the meter
- Measure the resistance of the cable across (at least) 3 feet. Assure that the cable is clean and you have good contact between the cable and the ohm meter leads
- Do not allow your fingers to touch the metallic probes of the ohm meter leads when measuring
- Galvanized cable and tin coated cable will register less than 1 ohm resistance while stainless steel will indicate more than 1 ohm
- If possible, check your meter on a length of cable where the alloy is known

If the cable is returned to service, reinstall and rig the cable per the aircraft mfg's service manual. Install all required safety devices.

Adjustable Elevator Neutral Rigging Tool for Cessna Aircraft

Save time, you'll always have the correct tool!
P/N TOOL126

Proper elevator rigging is necessary for full range of motion and maneuverability of the airplane. Many Cessna maintenance manuals require the fabrication of a tool to hold the yoke in the neutral position while the mechanic rigs the elevator control system. These tools utilize the holes for the control gust lock. At least 17 different sizes of rigging tools are required to cover the various Cessna aircraft. Now there is one tool to replace them all.

Our Elevator Neutral Rigging Tool is adjustable from 0.4" to 2.5" and universal in design, consisting of six different pin sizes to fit your application. This tool may also be used to properly rig other makes of aircraft with similar elevator neutral rigging requirements.



Features and Benefits

- Replaces 17 costly tools
- Quick setup and adjustment
- Simple to use instructions
- Includes compact storage box
- Replacement parts available separately
- Stainless steel components

Note:
Refer to your Cessna maintenance manual to determine if your model requires the use of the elevator neutral rigging tool and follow its guidelines for proper pin selection and adjustment guidelines.



Fits most Cessna 150 thru 425 aircraft!

Elevator Neutral Rigging Tool Replacement Parts	
Part Number	**Description**
6409	0.050"/1.3mm Hex Wrench
6870	Square Nut
6868-4	Pin, 0.188, Short
6868-3	Pin, 0.188, Long
6868-1	Pin, 0.209, Short
6868-2	Pin, 0.209, Long
6869-1	Pin, 0.250, Short
6869-2	Pin, 0.250, Long

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120 1946-1947[1]
S/N 8003 thru 12890
Complete Cable Kit P/N CCKT120-01G (Galvanized)
Complete Cable Kit P/N CCKT120-01S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-01*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-01G-AIL or CCKT-01S-AIL			
2	MC0400107-1 or 1CS		Aileron Direct
1	MC0400107-2 or 2CS		Aileron Carry Thru
Elevator Cable Kit P/N CCKT-01G-ELE or CCKT-01S-ELE			
1	MC0400107-5 or 105		Elevator Control Up
1	MC0400107-9 or 109		Elevator Control Down
1	MC0400107-6[2]		Elevator Trim Carry Thru
1	MC0400107-7 or 7S		Elevator Trim Aft
1	MC0400107-8 or 8S		Elevator Trim Forward
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control

120 1947[1]-1949
S/N 12891 thru 15075
Complete Cable Kit P/N CCKT120-02G (Galvanized)
Complete Cable Kit P/N CCKT120-02S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-01*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-01G-AIL or CCKT-01S-AIL			
2	MC0400107-1 or 1CS		Aileron Direct
1	MC0400107-2 or 2CS		Aileron Carry Thru
Elevator Cable Kit P/N CCKT-02G-ELE or CCKT-02S-ELE			
1	MC0400107-5 or 105		Elevator Control Up
1	MC0400107-9 or 109		Elevator Control Down
1	MC0400107-7 or 7S		Elevator Trim Aft
1	MC0400107-8 or 8S		Elevator Trim Forward
1	MC0400107-11 or 111		Elev Trim Carry Thru Forward
1	MC0400107-12 or 12S		Elev Trim Carry Thru Aft
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control

140 1946[1]
S/N 8004 thru 10069
Complete Cable Kit P/N CCKT140-01G (Galvanized)
Complete Cable Kit P/N CCKT140-01S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-01*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-01G-AIL or CCKT-01S-AIL			
2	MC0400107-1 or 1CS		Aileron Direct
1	MC0400107-2 or 2CS		Aileron Carry Thru
Elevator Cable Kit P/N CCKT-01G-ELE or CCKT-01S-ELE			
1	MC0400107-5 or 105		Elevator Control Up
1	MC0400107-9 or 109		Elevator Control Down
1	MC0400107-6[2]		Elevator Trim Carry Thru
1	MC0400107-7 or 7S		Elevator Trim Aft
1	MC0400107-8 or 8S		Elevator Trim Forward
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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140 1946[1]-1947[1]
S/N 10070 thru 12890
Complete Cable Kit P/N CCKT140-02G (Galvanized)
Complete Cable Kit P/N CCKT140-02S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-01*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-01G-AIL or CCKT-01S-AIL			
2	MC0400107-1 or 1CS		Aileron Direct
1	MC0400107-2 or 2CS		Aileron Carry Thru
Elevator Cable Kit P/N CCKT-01G-ELE or CCKT-01S-ELE			
1	MC0400107-5 or 105		Elevator Control Up
1	MC0400107-9 or 109		Elevator Control Down
1	MC0400107-6[2]		Elevator Trim Carry Thru
1	MC0400107-7 or 7S		Elevator Trim Aft
1	MC0400107-8 or 8S		Elevator Trim Forward
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control
1	MC0400107-10 or 10S		Flap Control

140 1947[1]-1949
S/N 12891 thru 15075
Complete Cable Kit P/N CCKT140-03G (Galvanized)
Complete Cable Kit P/N CCKT140-03S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-01*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-01G-AIL or CCKT-01S-AIL			
2	MC0400107-1 or 1CS		Aileron Direct
1	MC0400107-2 or 2CS		Aileron Carry Thru
Elevator Cable Kit P/N CCKT-02G-ELE or CCKT-02S-ELE			
1	MC0400107-5 or 105		Elevator Control Up
1	MC0400107-9 or 109		Elevator Control Down
1	MC0400107-7 or 7S		Elevator Trim Aft
1	MC0400107-8 or 8S		Elevator Trim Forward
1	MC0400107-11 or 111		Elevator Trim Carry Thru Fwd
1	MC0400107-12 or 12S		Elevator Trim Carry Thru Aft
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control
1	MC0400107-10 or 10S		Flap Control

140A 1949-1951
S/N 15200 thru 15724
Complete Cable Kit P/N CCKT140-04G (Galvanized)
Complete Cable Kit P/N CCKT140-04S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-02*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-02G-AIL or CCKT-02S-AIL			
1	MC0400107-18 or 118		Aileron Carry Thru
2	MC0400107-17 or 117		Aileron Direct
Elevator Cable Kit P/N CCKT-03G-ELE or CCKT-03S-ELE			
1	MC0400107-5 or 105		Elevator Control Up
1	MC0400107-9 or 109		Elevator Control Down
1	MC0400107-11 or 111		Elevator Trim Carry Thru Fwd
1	MC0400107-12 or 12S		Elevator Trim Carry Thru Aft
1	MC0400107-13 or 113		Elevator Trim Aft
1	MC0400107-14 or 114		Elevator Trim Forward
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv	SS	Location
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD				
2	MC0400107-4 or 104			Rudder Control
1	MC0400107-10 or 10S			Flap Control
150 1959[1] S/N 17001 thru 17438 Complete Cable Kit P/N CCKT150-01G (Galvanized) Complete Cable Kit P/N CCKT150-01S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-03*				
Qty	**P/N**	**Galv or SS**		**Location**
Aileron Cable Kit P/N CCKT-03G-AIL or CCKT-03S-AIL				
2	MC0400107-31 or 131			Aileron Direct
1	MC0400107-21 or 121			Aileron Carry Thru
4	MC0422280			Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-04G-ELE or CCKT-04S-ELE				
1	MC0400107-5 or 105			Elevator Up
1	MC0400107-9 or 109			Elevator Down
1	MC0400107-11 or 111			Trim Wheel to Disconnect
1	MC0400107-29 or 129			Trim Wheel to Turnbuckle
1	MC0400107-28 or 128			Trim Actuator to Disconnect
1	MC0400107-30 or 130			Trim Actuator to Turnbuckle
2	MCS2295P25-69			Elevator Trim Chain
4	MCS2294-25			Chain Connecting Link
Flap Cable Kit P/N CCKT-01G-FLP or CCKT-01S-FLP				
1	MC0400107-22 or 122			Flap Extend Forward
1	MC0400107-23 or 123			Flap Retract Forward
2	MC0400107-34 or 134			Flap Extend LH
2	MC0400107-26 or 126			Flap Retract
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD				
2	MC0400107-4 or 104			Rudder Control
150 1959[1] S/N 17439 thru 17558 Complete Cable Kit P/N CCKT150-02G (Galvanized) Complete Cable Kit P/N CCKT150-02S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-03*				
Qty	**P/N**	**Galv or SS**		**Location**
Aileron Cable Kit P/N CCKT-03G-AIL or CCKT-03S-AIL				
2	MC0400107-31 or 131			Aileron Direct
1	MC0400107-21 or 121			Aileron Carry Thru
4	MC0422280			Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-04G-ELE or CCKT-04S-ELE				
1	MC0400107-5 or 105			Elevator Up
1	MC0400107-9 or 109			Elevator Down
1	MC0400107-11 or 111			Trim Wheel to Disconnect
1	MC0400107-29 or 129			Trim Wheel to Turnbuckle
1	MC0400107-28 or 128			Trim Actuator to Disconnect
1	MC0400107-30 or 130			Trim Actuator to Turnbuckle
2	MCS2295P25-69			Elevator Trim Chain
4	MCS2294-25			Chain Connecting Link
Flap Cable Kit P/N CCKT-02G-FLP or CCKT-02S-FLP				
1	MC0400107-22 or 122			Flap Extend Forward
1	MC0400107-23 or 123			Flap Retract Forward
2	MC0400107-34 or 134			Flap Extend LH
1	MC0400107-26 or 126			Flap Retract
1	MC0400107-33 or 133			Flap Retract LH
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD				
2	MC0400107-4 or 104			Rudder Control

Notes:
[1] Partial model eligibility

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Qty	P/N	Galv or SS	Location
150 1959[1]-1960 S/N 17559 thru 59018 Complete Cable Kit P/N CCKT150-03G (Galvanized) Complete Cable Kit P/N CCKT150-03S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-03*			
Aileron Cable Kit P/N CCKT-03G-AIL or CCKT-03S-AIL			
2	MC0400107-31 or 131		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-04G-ELE or CCKT-04S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-11 or 111		Trim Wheel to Disconnect
1	MC0400107-29 or 129		Trim Wheel to Turnbuckle
1	MC0400107-28 or 128		Trim Actuator to Disconnect
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
2	MCS2295P25-69		Elevator Trim Chain
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-03G-FLP or CCKT-03S-FLP			
1	MC0400107-22 or 122		Flap Extend Forward
1	MC0400107-23 or 123		Flap Retract Forward
2	MC0400107-34 or 134		Flap Extend LH
2	MC0400107-33 or 133		Flap Retract LH
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control
150A,B,C 1961-1963 S/N 15059019 thru 15060087 Complete Cable Kit P/N CCKT150-04G (Galvanized) Complete Cable Kit P/N CCKT150-04S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-04*			
Qty	**P/N**	**Galv or SS**	**Location**
Aileron Cable Kit P/N CCKT-04G-AIL or CCKT-04S-AIL			
2	MC0400107-35 or 135		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-04G-ELE or CCKT-04S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-11 or 111		Trim Wheel to Disconnect
1	MC0400107-29 or 129		Trim Wheel to Turnbuckle
1	MC0400107-28 or 128		Trim Actuator to Disconnect
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
2	MCS2295P25-69		Elevator Trim Chain
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-03G-FLP or CCKT-03S-FLP			
1	MC0400107-22 or 122		Flap Extend Forward
1	MC0400107-23 or 123		Flap Retract Forward
2	MC0400107-34 or 134		Flap Extend LH
2	MC0400107-33 or 133		Flap Retract LH
Rudder Cable Kit P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control

Notes:
[1] Partial model eligibility

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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150D,E 1964-1965
S/N 15060088 thru 15061532
Complete Cable Kit P/N CCKT150-05G (Galvanized)
Complete Cable Kit P/N CCKT150-05S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-05* or 06* Note 1

Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Note: S/N 15060088 thru 15061083 USE PULL-KT-05			
S/N 15061084 thru 15061532 USE PULL-KT-06			
Elevator Cable Kit			
P/N CCKT-04G-ELE or CCKT-04S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-11 or 111		Trim Wheel to Disconnect
1	MC0400107-29 or 129		Trim Wheel to Turnbuckle
1	MC0400107-28 or 128		Trim Actuator to Disconnect
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
2	MCS2295P25-69		Elevator Trim Chain
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-04G-FLP or CCKT-04S-FLP			
2	MC0400107-39 or 139		Flap Extend Forward
2	MC0400107-37 or 137		Flap Retract Forward
2	MC0400107-40 or 140		Flap Extend to Bellcrank
2	MC0400107-38 or 138		Flap Retract to Bellcrank
Rudder Cable Kit			
P/N CCKT-01G-RUD or CCKT-01S-RUD			
2	MC0400107-4 or 104		Rudder Control

150F[1] 1966[1]
S/N 15061533 thru 15061778
Complete Cable Kit P/N CCKT150-06G (Galvanized)
Complete Cable Kit P/N CCKT150-06S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-07*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-05G-ELE or CCKT-05S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-42 or 142		Trim Wheel to Disconnect
1	MC0400107-43 or 143		Trim Wheel to Turnbuckle
1	MC0400107-28 or 128		Trim Actuator to Disconnect
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
2	MCS2295P25-69		Elevator Trim Chain
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap
Rudder Cable Kit			
P/N CCKT-02G-RUD or CCKT-02S-RUD			
2	MC0400107-47 or 147		Rudder Control Forward
2	MC0400107-48 or 148		Rudder Control Aft

Notes:
[1] Partial model eligibility

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150F[1],G 1966[1]-1967 F150F,G 1966-1967
S/N 15061779 thru 15067198,
S/N F1500001 thru F1500219
Complete Cable Kit P/N CCKT150-11G (Galvanized)
Complete Cable Kit P/N CCKT150-11S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-07* Note 1

Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-05G-ELE or CCKT-05S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-42 or 142		Trim Wheel to Disconnect
1	MC0400107-43 or 143		Trim Wheel to Turnbuckle
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
1	MC0400107-28 or 128		Trim Actuator to Disconnect
2	MCS2295P25-69		Chain to Tab Act
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap
Rudder Cable Kit			
P/N CCKT-03G-RUD or CCKT-03S-RUD			
1	MC0400107-49 or 149[3]		Rudder Control LH
1	MC0400107-50 or 150[3]		Rudder Control RH
Note 1: S/N 15061779 thru 15067198 only			

150H 1968 F150H 1968
S/N 15067199 thru 15069308, F1500220 thru F1500389
Complete Cable Kit P/N CCKT150-07G (Galvanized)
Complete Cable Kit P/N CCKT150-07S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-08* Note 1

Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-06G-ELE or CCKT-06S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
1	MC0400107-52 or 152		Trim Wheel to Disconnect
1	MC0400107-53 or 153		Trim Wheel to Turnbuckle
1	MCS2295P25-69		Chain to Tab Actuator
1	MCS2295-25-61		Chain Trim Wheel
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap
1	MC0400107-28 or 128		Trim Actuator to Disconnect
Rudder Cable Kit			
P/N CCKT-03G-RUD or CCKT-03S-RUD			
1	MC0400107-49 or 149[3]		Rudder Control LH
1	MC0400107-50 or 150[3]		Rudder Control RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.

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150J[1] 1969[1], F150J 1969
S/N 15069309 thru 15070503, F1500390 thru F1500529
Complete Cable Kit P/N CCKT150-08G (Galvanized)
Complete Cable Kit P/N CCKT150-08S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-09* Note 1

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-07G-ELE or CCKT-07S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-28 or 128		Trim Actuator to Disconnect
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
1	MC0400107-54 or 154		Trim Wheel to Disconnect
1	MC0400107-55 or 155		Trim Wheel to Turnbuckle
1	MCS2295P25-69		Chain Trim Actuator
1	MCS2295-25-61		Chain Trim Wheel
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap
Rudder Cable Kit P/N CCKT-03G-RUD or CCKT-03S-RUD			
1	MC0400107-49 or 149[3]		Rudder Control LH
1	MC0400107-50 or 150[3]		Rudder Control RH

Note: For S/N 15069309 thru 15070503 only

150J[1],K,L,M[1],A150K,L,M[1],FA150K,L, FRA150L,M[1] 1969[1]-1975
S/N 15070504 thru 15077005 Note 1,
A1500001 thru A1500609 Note 2,
F15000530 thru F15001248 Note 3,
FA1500001 thru FA1500120 Note 4,
FRA1500121 thru FRA1500281 Note 5
Complete Cable Kit P/N CCKT150-09G (Galvanized)
Complete Cable Kit P/N CCKT150-09S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-09* thru PULL-KT-12*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-08G-ELE or CCKT-08S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-28 or 128		Trim Actuator to Disconnect
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
1	MC0400107-55 or 155		Trim Wheel to Turnbuckle
1	MC0400107-56 or 156		Trim Wheel to Disconnect
1	MCS2295P25-69		Chain Trim Actuator
1	MCS2295P25-63		Chain Trim Wheel
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap

Notations:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit P/N CCKT-03G-RUD or CCKT-03S-RUD			
1	MC0400107-49 or 149[3]		Rudder Control LH
1	MC0400107-50 or 150[3]		Rudder Control RH

Note 1: S/N 15070504 thru 15071128 USE PULL-KT-09
S/N 15071129 thru 15074399 USE PULL-KT-10
S/N 15074400 thru 15074661 USE PULL-KT-11
S/N 15074662 thru 15077005 USE PULL-KT-12
Note 2: S/N A1500001 thru A1500387 USE PULL-KT-10
S/N A1500388 thru A1500415 USE PULL-KT-11
Note 3: S/N F15000530 thru F15000943 USE PULL-KT-10
S/N F1500944 thru F15001062 USE PULL-KT-11
S/N F15001063 thru F15001248 USE PULL-KT-12
Note 4: S/N FA1500001 thru FA1500120 USE PULL-KT-10
Note 5: S/N FRA1500121 thru FRA1500211 USE PULL-KT-10
S/N FRA1500212 thru FRA1500261 USE PULL-KT-12

150M[1],A150M[1],F150M[1],FRA150M[1] 1976-1977
S/N 15077006 thru 15079405, A1500610 thru A1500734,
F15001249 thru F15001428, FRA1500282 thru FRA1500336
Complete Cable Kit P/N CCKT150-10G (Galvanized)
Complete Cable Kit P/N CCKT150-10S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-12* Note 1

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-09G-ELE or CCKT-09S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-57 or 157		Trim Actuator to Disconnect
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
1	MC0400107-55 or 155		Trim Wheel to Turnbuckle
1	MC0400107-56 or 156		Trim Wheel to Disconnect
1	MCS2295P25-69		Chain Trim Actuator
1	MCS2295P25-63		Chain Trim Wheel
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap
Rudder Cable Kit P/N CCKT-03G-RUD or CCKT-03S-RUD			
1	MC0400107-49 or 149[3]		Rudder Control LH
1	MC0400107-50 or 150[3]		Rudder Control RH

Note: Eligible for all S/Ns except A1500610 thru A1500734

Notations:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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152[1],A152[1],F152[1],FA152[1] 1978[1]-1979 [1]
S/N 15279406 thru 15281298,
15281300 thru 15281314, 15281316 thru 15281326,
15281328 thru 15281340, 15281342 thru 15281349,
15281351 thru 15281359, 15281361 thru 15281369,
15281371 thru 15281380, 15281382 thru 15281389,
15281391 thru 15281400, 15281402 thru 15281409,
15281411 thru 15281420, 15281422 thru 15281426,
A1520735 thru A1520785, F15201429 thru F15201538,
FA1520337 thru FA1520352
Complete Cable Kit P/N CCKT152-01G (Galvanized)
Complete Cable Kit P/N CCKT152-01S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-13*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-05G-AIL or CCKT-05S-AIL			
2	MC0400107-41 or 141		Aileron Direct
1	MC0400107-21 or 121		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-9G-ELE or CCKT-9S-ELE			
1	MC0400107-5 or 105		Elevator Up
1	MC0400107-9 or 109		Elevator Down
1	MC0400107-56 or 156		Trim Wheel to Disconnect
1	MC0400107-55 or 155		Trim Wheel to Turnbuckle
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
1	MC0400107-57 or 157		Trim Actuator to Disconnect
1	MCS2295P25-63		Chain Trim Wheel
1	MCS2295P25-69		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap
Rudder Cable Kit P/N CCKT-03G-RUD or CCKT-03S-RUD			
1	MC0400107-49 or 149[3]		Rudder Control LH
1	MC0400107-50 or 150[3]		Rudder Control RH

Note: For S/N 15061779 thru 15069308 only

152[1],A152[1],F152[1],FA152[1] 1978[1]-1985
S/N 15281299, 15281315, 15281327, 15281341, 15281350,
15281360, 15281370, 15281381, 15281390, 15281401,
15281410, 15281421, 15281427 thru 15286033,
A1520786 thru A1521049, F15201539 thru F15201980,
FA1520353 thru FA1520425
Complete Cable Kit P/N CCKT152-02G (Galvanized)
Complete Cable Kit P/N CCKT152-02S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-13* Note 1

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-06G-AIL or CCKT-06S-AIL			
2	MC0400107-60 or 160		Aileron Direct Cabin
1	MC0400107-61 or 161		Aileron Direct LH Wing
1	MC0400107-65 or 165		Aileron Direct RH Wing
1	MC0400107-59 or 159		Aileron Carry Thru LH
1	MC0400107-58 or 158		Aileron Carry Thru RH
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit (continued on next column) P/N CCKT-10G-ELE or CCKT-10S-ELE			
2	MC0400107-66 or 166		Elevator Forward
1	MC0400107-63 or 163		Elevator Up Aft
1	MC0400107-64 or 164		Elevator Down Aft
1	MC0400107-56 or 156		Trim Wheel to Disconnect

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit (continued from previous column) P/N CCKT-10G-ELE or CCKT-10S-ELE			
1	MC0400107-55 or 155		Trim Wheel to Turnbuckle
1	MC0400107-30 or 130		Trim Actuator to Turnbuckle
1	MC0400107-57 or 157		Tab Actuator to Disconnect
1	MCS2295P25-63		Chain Trim Wheel
1	MCS2295P25-69		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-05G-FLP or CCKT-05S-FLP			
2	MC0400107-45 or 145		Flap
2	MC0400107-46 or 146		Flap
Rudder Cable Kit P/N CCKT-03G-RUD or CCKT-03S-RUD			
1	MC0400107-49 or 149[3]		Rudder Control LH
1	MC0400107-50 or 150[3]		Rudder Control RH

Note 1: PULL-KT-13 is eligible for all serial numbers except F15201539 thru F15201952, and FA1520353 thru FA1520387

170 1948
S/N 18000 thru 18729
Complete Cable Kit P/N CCKT170-01G (Galvanized)
Complete Cable Kit P/N CCKT170-01S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-14*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-07G-AIL or CCKT-07S-AIL			
2	MC0510105-2 or 102		Aileron Direct
2	MC0510105-3 or 103		Aileron Carry Thru
Elevator Cable Kit P/N CCKT-11G-ELE or CCKT-11S-ELE			
2	MC0510105-4 or 104		Elevator Control
1	MC0510105-9 or 109		Trim Wheel to Turnbuckle
1	MC0510105-7 or 107		Trim Wheel to Disconnect
1	MC0510105-8 or 108		Trim Actuator to Turnbuckle
1	MC0510105-10 or 110		Trim Actuator to Disconnect
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-06G-FLP or CCKT-06S-FLP			
2	MC0510105-6 or 106		Flap Control Upper
1	MC0510105-5 or 105		Flap Control Lower
Rudder Cable Kit P/N CCKT-04G-RUD or CCKT-04S-RUD			
2	MC0510105-1 or 101		Rudder Control

170A 1949-1951
S/N 18730 thru 20266
Complete Cable Kit P/N CCKT170-02G (Galvanized)
Complete Cable Kit P/N CCKT170-02S (Stainless Steel)
Complete Cable Kit P/N CCKT170-02SF (Float Plane)
Complete Pulley Kit P/N PULL-KT-15*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-08G-AIL or CCKT-08S-AIL			
2	MC0510105-12 or 112		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
Elevator Cable Kit (continued on next page) P/N CCKT-12G-ELE or CCKT-12S-ELE			
1	MC0510105-15 or 115		Elevator Control Upper
1	MC0510105-4 or 104		Elevator Control Lower
1	MC0510105-9 or 109		Trim Wheel to Turnbuckle
1	MC0510105-7 or 107		Trim Wheel to Disconnect
1	MC0510105-8 or 108		Trim Actuator to Turnbuckle

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit (continued from previous page)			
P/N CCKT-12G-ELE or CCKT-12S-ELE			
1	MC0510105-10 or 110		Trim Actuator to Disconnect
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit (Not for Float Plane)			
P/N CCKT-07G-FLP or CCKT-07S-FLP			
2	MC0510105-11 or 111		Flap Control Upper
1	MC0510105-5 or 105		Flap Control Lower [4]
Flap Cable Kit (For Float Plane)			
P/N CCKT-08G-FLP or CCKT-08S-FLP			
2	MC0510105-11 or 111		Flap Control Upper
1	MC0510105-114		Flap Control Lower [5]
Rudder Cable Kit			
P/N CCKT-04G-RUD or CCKT-04S-RUD			
2	MC0510105-1 or 101		Rudder Control
170B[1] 1952-1954			
S/N 20267 thru 26504			
Complete Cable Kit P/N CCKT170-03G (Galvanized)			
Complete Cable Kit P/N CCKT170-03S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-16*			
Qty	**P/N**	**Galv or SS**	**Location**
Aileron Cable Kit			
P/N CCKT-09G-AIL or CCKT-09S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
Elevator Cable Kit			
P/N CCKT-12G-ELE or CCKT-12S-ELE			
1	MC0510105-15 or 115		Elevator Control Upper
1	MC0510105-4 or 104		Elevator Control Lower
1	MC0510105-9 or 109		Trim Wheel to Turnbuckle
1	MC0510105-7 or 107		Trim Wheel to Disconnect
1	MC0510105-8 or 108		Trim Actuator to Turnbuckle
1	MC0510105-10 or 110		Trim Actuator to Disconnect
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
2	MC0510105-59 or 159		Flap Direct Outboard
1	MC0510105-61 or 161		Flap Direct LH Inboard
1	MC0510105-62 or 162		Flap Direct RH Inboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return LH Inboard
1	MC0510105-64 or 164		Flap Return RH Inboard
Rudder Cable Kit			
P/N CCKT-04G-RUD or CCKT-04S-RUD			
2	MC0510105-1 or 101		Rudder Control
170B[1] 1955-1956			
S/N 26505 thru 27169			
Complete Cable Kit P/N CCKT170-04G (Galvanized)			
Complete Cable Kit P/N CCKT170-04S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-16*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-38 or 138		Tailwheel Steering
Aileron Cable Kit			
P/N CCKT-09G-AIL or CCKT-09S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
Elevator Cable Kit (continued on next column)			
P/N CCKT-12G-ELE or CCKT-12S-ELE			
1	MC0510105-15 or 115		Elevator Control Upper
1	MC0510105-4 or 104		Elevator Control Lower
1	MC0510105-9 or 109		Trim Wheel to Turnbuckle
1	MC0510105-7 or 107		Trim Wheel to Disconnect

Notes:
[1] Partial model eligibility

Continued on next column

Continued from previous column

Qty	P/N	Galv or SS	Location
Elevator Cable Kit (continued from previous column)			
P/N CCKT-12G-ELE or CCKT-12S-ELE			
1	MC0510105-8 or 108		Trim Actuator to Turnbuckle
1	MC0510105-10 or 110		Trim Actuator to Disconnect
2	MCS2295-25-63		Chain Elevator Trim
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
2	MC0510105-59 or 159		Flap Direct Outboard
1	MC0510105-61 or 161		Flap Direct LH Inboard
1	MC0510105-62 or 162		Flap Direct RH Inboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return LH Inboard
1	MC0510105-64 or 164		Flap Return RH Inboard
Rudder Cable Kit			
P/N CCKT-04G-RUD or CCKT-04S-RUD			
2	MC0510105-1 or 101		Rudder Control
172[1] 1956-1958			
S/N 28000 thru 36965			
Complete Cable Kit P/N CCKT172175-01G (Galvanized)			
Complete Cable Kit P/N CCKT172175-01S (Stainless)			
Complete Pulley Kit P/N PULL-KT-17*			
Qty	**P/N**	**Galv or SS**	**Location**
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-13G-ELE or CCKT-13S-ELE			
1	MC0510105-42 or 142		Elevator Forward Upper
1	MC0510105-40 or 140		Elevator Forward Lower
1	MC0510105-41 or 141		Elevator Aft Upper
1	MC0510105-54 or 154		Elevator Aft Lower
1	MC0510105-58 or 158		Trim Wheel to Turnbuckle
1	MC0510105-57 or 157		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295-25-71		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Upper
2	MC0510105-60 or 160		Flap Return Upper
1	MC0510105-63 or 163		Flap Return LH Lower
1	MC0510105-64 or 164		Flap Return RH Lower
1	MC0510105-61 or 161		Flap Direct LH Lower
1	MC0510105-62 or 162		Flap Direct RH Lower
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-05G-RUD or CCKT-05S-RUD			
2	MC0510105-39 or 139		Rudder Forward
1	MC0510105-56 or 156		Rudder Aft LH
1	MC0510105-55 or 155		Rudder Aft RH

Notes:
[1] Partial model eligibility

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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172[1] 1959, 175 1958-1959
S/N 36966 thru 46754, 55001 thru 56238
Complete Cable Kit P/N CCKT172175-02G (Galvanized)
Complete Cable Kit P/N CCKT172175-02S (Stainless)
Complete Pulley Kit P/N PULL-KT-17*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-11G-AIL or CCKT-11S-AIL			
2	MC0510105-72 or 172		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-13G-ELE or CCKT-13S-ELE			
1	MC0510105-42 or 142		Elevator Forward Upper
1	MC0510105-40 or 140		Elevator Forward Lower
1	MC0510105-41 or 141		Elevator Aft Upper
1	MC0510105-54 or 154		Elevator Aft Lower
1	MC0510105-58 or 158		Trim Wheel to Turnbuckle
1	MC0510105-57 or 157		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295-25-71		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Upper
2	MC0510105-60 or 160		Flap Return Upper
1	MC0510105-63 or 163		Flap Return LH Lower
1	MC0510105-64 or 164		Flap Return RH Lower
1	MC0510105-61 or 161		Flap Direct LH Lower
1	MC0510105-62 or 162		Flap Direct RH Lower
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-05G-RUD or CCKT-05S-RUD			
2	MC0510105-39 or 139		Rudder Forward
1	MC0510105-56 or 156		Rudder Aft LH
1	MC0510105-55 or 155		Rudder Aft RH

172A[1], 1960[1]
S/N 46755 thru 47298
Complete Cable Kit P/N CCKT172175-03G (Galvanized)
Complete Cable Kit P/N CCKT172175-03S (Stainless)
Complete Pulley Kit P/N PULL-KT-17*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-11G-AIL or CCKT-11S-AIL			
2	MC0510105-72 or 172		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-13G-ELE or CCKT-13S-ELE			
1	MC0510105-42 or 142		Elevator Forward Upper
1	MC0510105-40 or 140		Elevator Forward Lower
1	MC0510105-41 or 141		Elevator Aft Upper
1	MC0510105-54 or 154		Elevator Aft Lower
1	MC0510105-58 or 158		Trim Wheel to Turnbuckle
1	MC0510105-57 or 157		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295-25-71		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit (continued on next column) P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Upper
2	MC0510105-60 or 160		Flap Return Upper

Notes:
[1] Partial model eligibility

Continued on next column

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Qty	P/N	Galv or SS	Location
Flap Cable Kit (continued from previous column) P/N CCKT-09G-FLP or CCKT-09S-FLP			
1	MC0510105-63 or 163		Flap Return LH Lower
1	MC0510105-64 or 164		Flap Return RH Lower
1	MC0510105-61 or 161		Flap Direct LH Lower
1	MC0510105-62 or 162		Flap Direct RH Lower
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-06G-RUD or CCKT-06S-RUD			
2	MC0510105-39 or 139		Rudder Forward
1	MC0510105-75 or 175		Rudder Aft LH
1	MC0510105-76 or 176		Rudder Aft RH

172A[1],B,C 1960[1]-1962 175A,B,C 1960-1962
S/N 47299 thru 17249544, 56239 thru 17557119
Complete Cable Kit P/N CCKT172175-04G (Galvanized)
Complete Cable Kit P/N CCKT172175-04S (Stainless)
Complete Pulley Kit P/N PULL-KT-17*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-11G-AIL or CCKT-11S-AIL			
2	MC0510105-72 or 172		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-13G-ELE or CCKT-13S-ELE			
1	MC0510105-42 or 142		Elevator Forward Upper
1	MC0510105-40 or 140		Elevator Forward Lower
1	MC0510105-41 or 141		Elevator Aft Upper
1	MC0510105-54 or 154		Elevator Aft Lower
1	MC0510105-58 or 158		Trim Wheel to Turnbuckle
1	MC0510105-57 or 157		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295-25-71		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Upper
2	MC0510105-60 or 160		Flap Return Upper
1	MC0510105-63 or 163		Flap Return LH Lower
1	MC0510105-64 or 164		Flap Return RH Lower
1	MC0510105-61 or 161		Flap Direct LH Lower
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
1	MC0510105-62 or 162		Flap Direct RH Lower
Rudder Cable Kit P/N CCKT-07G-RUD or CCKT-07S-RUD			
2	MC0510105-39 or 139		Rudder Forward
1	MC0510105-80 or 180		Rudder Aft LH
1	MC0510105-81 or 181		Rudder Aft RH

172D,P172,F172D, FP172 1963
S/N 17249545 thru 17250572, P17257120 thru P17257188, F172-0001 thru F172-0018, FP172-0001 thru FP172-0003
Complete Cable Kit P/N CCKT172175-05G (Galvanized)
Complete Cable Kit P/N CCKT172175-05S (Stainless)
Complete Pulley Kit P/N PULL-KT-18*

Qty	P/N	Galv or SS	Location
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-11G-AIL or CCKT-11S-AIL			
2	MC0510105-72 or 172		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Rudder Cable Kit			
P/N CCKT-08G-RUD or CCKT-08S-RUD			
1	MC0510105-205 or 305		Rudder Forward LH
1	MC0510105-206 or 306		Rudder Forward RH
2	MC0510105-207 or 307		Rudder Aft
Elevator Cable Kit			
P/N CCKT-14G-ELE or CCKT-14S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-58 or 158		Trim Wheel to Turnbuckle
1	MC0510105-57 or 157		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295-25-71		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Upper
2	MC0510105-60 or 160		Flap Return Upper
1	MC0510105-63 or 163		Flap Return LH Lower
1	MC0510105-64 or 164		Flap Return RH Lower
1	MC0510105-61 or 161		Flap Direct LH Lower
1	MC0510105-62 or 162		Flap Direct RH Lower
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
172E 1964			
S/N 17250573 thru 17251822			
Complete Cable Kit P/N CCKT172175-06G (Galvanized)			
Complete Cable Kit P/N CCKT172175-06S (Stainless)			
Complete Pulley Kit P/N PULL-KT-19*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28 [2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-12G-AIL or CCKT-12S-AIL			
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-217 or 317		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-14G-ELE or CCKT-14S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-290 or 390		Elevator Aft Forward Lower
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-58 or 158		Trim Wheel to Turnbuckle
1	MC0510105-57 or 157		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295-25-71		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Upper
2	MC0510105-60 or 160		Flap Return Upper
1	MC0510105-63 or 163		Flap Return LH Lower
1	MC0510105-64 or 164		Flap Return RH Lower
1	MC0510105-61 or 161		Flap Direct LH Lower
1	MC0510105-62 or 162		Flap Direct RH Lower
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-08G-RUD or CCKT-08S-RUD			
1	MC0510105-205 or 305		Rudder Forward LH
1	MC0510105-206 or 306		Rudder Forward RH
2	MC0510105-207 or 307		Rudder Aft
172F,G,H,I,K,L[1], F172F,G,H,K,L[1], FR172E,F,G,H[1] 1965-1972[1]			
S/N 17251823 thru 17259834 Note 1,			
F172-0086 thru F17200820 Note 2,			
FR17200001 thru FR17200288 Note 3			
Complete Cable Kit P/N CCKT172175-07G (Galvanized)			
Complete Cable Kit P/N CCKT172175-07S (Stainless)			
Complete Pulley Kit P/N PULL-KT-20* or PULL-KT-21*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake Cable
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-13G-AIL or CCKT-13S-AIL			
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-216 or 316		Aileron Yoke Transition
1	MC0510105-220 or 320		Trim Wheel to Turnbuckle
2	MC0510105-224 or 324		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-15G-ELE or CCKT-15S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-221 or 321		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-55		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct & Retract
2	MC0510105-94 or 194[6]		Flap Direct & Retract
Rudder Cable Kit			
P/N CCKT-08G-RUD or CCKT-08S-RUD			
1	MC0510105-205 or 305		Rudder Forward LH
1	MC0510105-206 or 306		Rudder Forward RH
2	MC0510105-207 or 307		Rudder Aft

Note 1: S/N 17251823 thru 17259223 USE PULL-KT-20
Note 2: USE PULL-KT-20
Note 3: USE PULL-KT-21

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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172L[1],M[1],F172L[1]M[1],FR172H[1]J[1] 1971[1]-1975[1]
S/N 17259835 thru 17264202, Note 1
F17200821 thru F17201234, Note 2
FR17200289 thru FR17200559 Note 3
Complete Cable Kit P/N CCKT172175-08G (Galvanized)
Complete Cable Kit P/N CCKT172175-08S (Stainless)
Complete Pulley Kit P/N PULL-KT-20*, -21* or -22*

Qty	P/N	Galv or SS	Location
1	MC0510105-232[2]		Parking Brake Cable
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit P/N CCKT-13G-AIL or CCKT-13S-AIL			
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-224 or 324		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-15G-ELE or CCKT-15S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-220 or 320		Trim Wheel to Turnbuckle
1	MC0510105-221 or 321		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-55		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct & Retract
2	MC0510105-94 or 194[6]		Flap Direct & Retract
Rudder Cable Kit P/N CCKT-08G-RUD or CCKT-08S-RUD			
1	MC0510105-205 or 305		Rudder Forward LH
1	MC0510105-206 or 306		Rudder Forward RH
2	MC0510105-207 or 307		Rudder Aft

Note 1: S/N 17259904 thru 17263458 USE PULL-KT-20
S/N 17263459 thru 17264202 USE PULL-KT-22
Note 2: USE PULL-KT-20
Note 3: USE PULL-KT-21

172M[1],F172M[1] 1975[1]
S/N 17264203 thru 17265684, F17201235 thru F17201384
Complete Cable Kit P/N CCKT172175-09G (Galvanized)
Complete Cable Kit P/N CCKT172175-09S (Stainless)
Complete Pulley Kit P/N PULL-KT-22*

Qty	P/N	Galv or SS	Location
1	MC0510105-232[2]		Parking Brake Cable
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit P/N CCKT-13G-AIL or CCKT-13S-AIL			
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-224 or 324		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit P/N CCKT-15G-ELE or CCKT-15S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-220 or 320		Trim Wheel to Turnbuckle
1	MC0510105-221 or 321		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-55		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct & Retract
2	MC0510105-94 or 194[6]		Flap Direct & Retract
Rudder Cable Kit P/N CCKT-09G-RUD or CCKT-09S-RUD			
1	MC0510105-239 or 339		Rudder LH
1	MC0510105-238 or 338		Rudder RH

172M[1],N[1],F172M[1],N[1],FR172J[1]K[1] 1976-1979[1]
R172K[1] 1977-1978[1]
S/N 17265685 thru 17270454, F17201385 thru F17201749,
FR17200571 thru FR17200640, Note 1
R1722000 thru R1722822, Note 2
Complete Cable Kit P/N CCKT172175-10G (Galvanized)
Complete Cable Kit P/N CCKT172175-10S (Stainless)
Complete Pulley Kit P/N PULL-KT-22*, -21*

Qty	P/N	Galv or SS	Location
1	MC0510105-232[2]		Parking Brake Cable
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit P/N CCKT-14G-AIL or CCKT-14S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition
2	MC0510105-224 or 324		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-15G-ELE or CCKT-15S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-220 or 320		Trim Wheel to Turnbuckle
1	MC0510105-221 or 321		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-55		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct & Retract
2	MC0510105-94 or 194[6]		Flap Direct & Retract
Rudder Cable Kit P/N CCKT-09G-RUD or CCKT-09S-RUD			
1	MC0510105-239 or 339		Rudder LH
1	MC0510105-238 or 338		Rudder RH

Note 1: Use PULL-KT-21 for S/N FR17200571 thru FR17200590.
Pulley kit not available for S/N FR17200591 thru FR17200640
Note 2: Pulley kit not available

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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172N[1],F172N[1],P[1],FR172K[1] 1978[1]-1982[1]
R172K[1] 1978[1]-1980[1]
S/N 17270455 thru 17273850, F17201750 thru F17202039,
FR17200641 thru FR17200675, Note 1
R1722823 thru R1723353, Note 1
Complete Cable Kit P/N CCKT172175-11G (Galvanized)
Complete Cable Kit P/N CCKT172175-11S (Stainless)
Complete Pulley Kit P/N PULL-KT-22*

Qty	P/N	Galv or SS	Location
1	MC0510105-232[2]		Parking Brake Cable
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit P/N CCKT-15G-AIL or CCKT-15S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition
1	MC0510105-220 or 320		Trim Wheel to Turnbuckle
2	MC0510105-260 or 360		Aileron Direct to Top
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
1	MC0510105-264 or 364		Cross to LH Bellcrank
1	MC0510105-265 or 365		Cross to RH Bellcrank
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-15G-ELE or CCKT-15S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-221 or 321		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-55		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct & Retract
2	MC0510105-94 or 194[6]		Flap Direct & Retract
Rudder Cable Kit P/N CCKT-09G-RUD or CCKT-09S-RUD			
1	MC0510105-239 or 339		Rudder LH
1	MC0510105-238 or 338		Rudder RH

Note 1: Pulley kit not available

172N[1],P[1] 1980[1]1982[1], R172K[1] 1980[1]-81
S/N 17273851 thru 17275187,
S/N R1723354 thru R1723454 Note 1
Complete Cable Kit P/N CCKT172175-12G (Galvanized)
Complete Cable Kit P/N CCKT172175-12S (Stainless)
Complete Pulley Kit P/N PULL-KT-22*

Qty	P/N	Galv or SS	Location
1	MC0510105-278[2]		Parking Brake Cable
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit P/N CCKT-15G-AIL or CCKT-15S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition
2	MC0510105-260 or 360		Aileron Direct to Top
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
1	MC0510105-264 or 364		Cross to LH Bellcrank
1	MC0510105-265 or 365		Cross to RH Bellcrank
4	MC0422280		Aileron Bellcrank Bushing

Note 1: Pulley kit not available

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit P/N CCKT-15G-ELE or CCKT-15S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-220 or 320		Trim Wheel to Turnbuckle
1	MC0510105-221 or 321		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-55		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct & Retract
2	MC0510105-94 or 194[6]		Flap Direct & Retract
Rudder Cable Kit P/N CCKT-09G-RUD or CCKT-09S-RUD			
1	MC0510105-239 or 339		Rudder LH
1	MC0510105-238 or 338		Rudder RH

172P[1],Q 1982-1986, 172R,S 1996 and On
S/N 17275188 thru 17276673 Note 1
17280001 and On, 172S8001 and On Note 2
Complete Cable Kit P/N CCKT172175-13G (Galvanized)
Complete Cable Kit P/N CCKT172175-13S (Stainless)
Complete Pulley Kit P/N PULL-KT-19*, -22*

Qty	P/N	Galv or SS	Location
1	MC0510105-278[2]		Parking Brake
1	MC0713070-28[2][3]		Cable Assembly Park Brake
Aileron Cable Kit P/N CCKT-15G-AIL or CCKT-15S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition
2	MC0510105-260 or 360		Aileron Direct to Top
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
1	MC0510105-264 or 364		Cross to LH Bellcrank
1	MC0510105-265 or 365		Cross to RH Bellcrank
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-16G-ELE or CCKT-16S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0560051-4 or 104		Trim Wheel to Turnbuckle
1	MC0560051-5 or 105		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-67		Chain Trim Actuator
1	MCS2295P25-59		Chain Trim Wheel
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct & Retract
2	MC0510105-94 or 194[6]		Flap Direct & Retract

Note 1: S/N 17275188 thru 17276673 USE PULL-KT-22
Note 2: S/N 17280001 and On USE PULL-KT-19
S/N 172S8001 and On USE PULL-KT-19

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-09G-RUD or CCKT-09S-RUD			
1	MC0510105-239 or 339		Rudder LH
1	MC0510105-238 or 338		Rudder RH
Note 1: S/N 17275188 thru 17276673 USE PULL-KT-22			
Note 2: S/N 17280001 and On USE PULL-KT-19			
S/N 172S8001 and On USE PULL-KT-19			
F172E 1964			
S/N F1720019 thru F1720085			
Complete Cable Kit P/N CCKT172175-14G (Galvanized)			
Complete Cable Kit P/N CCKT172175-14S (Stainless)			
Complete Pulley Kit P/N PULL-KT-19*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28 2		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-16G-AIL or CCKT-16S-AIL			
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-216 or 316		Aileron Yoke Transition
1	MC0510105-217 or 317		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-14G-ELE or CCKT-14S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-58 or 158		Trim Wheel to Turnbuckle
1	MC0510105-57 or 157		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295-25-71		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Upper
2	MC0510105-60 or 160		Flap Return Upper
1	MC0510105-63 or 163		Flap Return LH Lower
1	MC0510105-64 or 164		Flap Return RH Lower
1	MC0510105-61 or 161		Flap Direct LH Lower
1	MC0510105-62 or 162		Flap Direct RH Lower
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-08G-RUD or CCKT-08S-RUD			
1	MC0510105-205 or 305		Rudder Forward LH
1	MC0510105-206 or 306		Rudder Forward RH
2	MC0510105-207 or 307		Rudder Aft
F172P 1 1982 1 -1986			
S/N F17202170 thru F17202254			
Complete Cable Kit P/N CCKT172175-15G (Galvanized)			
Complete Cable Kit P/N CCKT172175-15S (Stainless)			
Complete Pulley Kit P/N PULL-KT-22*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-232 2		Parking Brake Cable
1	MC0713070-28 2		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-15G-AIL or CCKT-15S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-15G-AIL or CCKT-15S-AIL			
2	MC0510105-260 or 360		Aileron Direct to Top
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
1	MC0510105-264 or 364		Cross to LH Bellcrank
1	MC0510105-265 or 365		Cross to RH Bellcrank
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-16G-ELE or CCKT-16S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0560051-4 or 104		Trim Wheel to Turnbuckle
1	MC0560051-5 or 105		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-67		Chain Trim Actuator
1	MCS2295P25-59		Chain Trim Wheel
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193 6		Flap Direct & Retract
2	MC0510105-94 or 194 6		Flap Direct & Retract
Rudder Cable Kit			
P/N CCKT-09G-RUD or CCKT-09S-RUD			
1	MC0510105-239 or 339		Rudder LH
1	MC0510105-238 or 338		Rudder RH
FR172J 1 1975 1 -1976 1			
S/N FR17200560 thru FR17200570			
Complete Cable Kit P/N CCKT172175-16G (Galvanized)			
Complete Cable Kit P/N CCKT172175-16S (Stainless)			
Complete Pulley Kit P/N PULL-KT-21*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-232 2		Parking Brake
1	MC0713070-28 2		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-14G-AIL or CCKT-14S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition
2	MC0510105-224 or 324		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-15G-ELE or CCKT-15S-ELE			
2	MC0510105-208 or 308		Elevator Forward
1	MC0510105-291 or 391		Elevator Aft Upper
1	MC0510105-290 or 390		Elevator Aft Lower
1	MC0510105-221 or 321		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-55		Chain Trim Wheel
1	MCS2295-25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193 6		Flap Direct & Retract
2	MC0510105-94 or 194 6		Flap Direct & Retract

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-08G-RUD or CCKT-08S-RUD			
1	MC0510105-205 or 305		Rudder Forward LH
1	MC0510105-206 or 306		Rudder Forward RH
2	MC0510105-207 or 307		Rudder Aft
172RG 1980[1]			
S/N 172RG0001 thru 172RG0076			
Complete Cable Kit P/N CCKT172RG-01G (Galvanized)			
Complete Cable Kit P/N CCKT172RG-01S (Stainless)			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-232[2]		Parking Brake
Aileron Cable Kit			
P/N CCKT-17G-AIL or CCKT-17S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition
2	MC0510105-277 or 377		Aileron Direct to Yoke
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
2	MC0510105-265 or 365		Aileron Carry Thru RH
2	MC0510105-264 or 364		Aileron Carry Thru LH
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-17G-ELE or CCKT-17S-ELE			
2	MC0510105-269 or 369		Elevator Forward
1	MC0510105-293 or 393		Elevator Aft Upper
1	MC0510105-292 or 392		Elevator Aft Lower
1	MC0560051-6 or 106		Trim Wheel to Turnbuckle
1	MC0560051-7 or 107		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-59		Chain Trim Wheel
1	MCS2295P25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct and Retract
2	MC0510105-94 or 194[6]		Flap Direct and Retract
Rudder Cable Kit			
P/N CCKT-10G-RUD or CCKT-10S-RUD			
1	MC0510105-272 or 372		Rudder Forward LH
1	MC0510105-271 or 371		Rudder Forward RH
2	MC0510105-270 or 370		Rudder Aft
1	MCS2295P25-29		Chain, Rudder Trim Forward
1	MCS2295P25-93		Chain, Rudder Trim Aft
172RG 1980[1]-1985			
S/N 172RG0077 thru 172RG1191			
Complete Cable Kit P/N CCKT172RG-02G (Galvanized)			
Complete Cable Kit P/N CCKT172RG-02S (Stainless)			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-278[2]		Parking Brake
Aileron Cable Kit			
P/N CCKT-17G-AIL or CCKT-17S-AIL			
1	MC0510105-241 or 341		Aileron Yoke Primary
1	MC0510105-243 or 343		Aileron Yoke LH
1	MC0510105-242 or 342		Aileron Yoke RH
1	MC0510105-244 or 344		Aileron Yoke Transition
2	MC0510105-277 or 377		Aileron Direct to Yoke
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
2	MC0510105-265 or 365		Aileron Carry Thru RH
2	MC0510105-264 or 364		Aileron Carry Thru LH
4	MC0422280		Aileron Bellcrank Bushing

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-17G-ELE or CCKT-17S-ELE			
2	MC0510105-269 or 369		Elevator Forward
1	MC0510105-293 or 393		Elevator Aft Upper
1	MC0510105-292 or 392		Elevator Aft Lower
1	MC0560051-6 or 106		Trim Wheel to Turnbuckle
1	MC0560051-7 or 107		Trim Wheel to Disconnect
1	MC0510105-44 or 144		Trim Actuator to Turnbuckle
1	MC0510105-45 or 145		Trim Actuator to Disconnect
1	MCS2295P25-59		Chain Trim Wheel
1	MCS2295P25-67		Chain Trim Actuator
4	MCS2294-25		Chain Connecting Link
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
2	MC0510105-265 or 365		Aileron Carry Thru RH
2	MC0510105-264 or 364		Aileron Carry Thru LH
4	MC0422280		Aileron Bellcrank Bushing
Flap Cable Kit			
P/N CCKT-10G-FLP or CCKT-10S-FLP			
2	MC0510105-93 or 193[6]		Flap Direct and Retract
2	MC0510105-94 or 194[6]		Flap Direct and Retract
Rudder Cable Kit			
P/N CCKT-10G-RUD or CCKT-10S-RUD			
1	MC0510105-272 or 372		Rudder Forward LH
1	MC0510105-271 or 371		Rudder Forward RH
2	MC0510105-270 or 370		Rudder Aft
1	MCS2295P25-29		Chain, Rudder Trim Forward
1	MCS2295P25-93		Chain, Rudder Trim Aft
177 1968-1978			
S/N 17700001 thru 17701164			
Qty	**P/N**	**SS**	**Location**
1	MC0510105-232		Parking Brake
1	MC0510105-70		Parking Brake
180[1] 1953-1955			
S/N 30000 thru 32150			
Complete Cable Kit P/N CCKT180-01G (Galvanized)			
Complete Cable Kit P/N CCKT180-01S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-24*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-123[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-18G-ELE or CCKT-18S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-11G-RUD or CCKT-11S-RUD			
2	MC0510105-26 or 126		Rudder Control
180[1],A 1956-1958			
S/N 32151 thru 50355			
Complete Cable Kit P/N CCKT180-02G (Galvanized)			
Complete Cable Kit P/N CCKT180-02S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-24*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-153[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-18G-ELE or CCKT-18S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-12G-RUD or CCKT-12S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera
180B 1959			
S/N 50356 thru 50661			
Complete Cable Kit P/N CCKT180-13G (Galvanized)			
Complete Cable Kit P/N CCKT180-13S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-24*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-153[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-19G-ELE or CCKT-19S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-79 or 179		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-12G-RUD or CCKT-12S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera
180C[1] 1960[1]			
S/N 50662 thru 50744, 50746 thru 50747			
Complete Cable Kit P/N CCKT180-03G (Galvanized)			
Complete Cable Kit P/N CCKT180-03S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-25*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-52 or 152		Rudder Aft
2	MC0510105-153[2]		Tailwheel Steering
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-19G-ELE or CCKT-19S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-79 or 179		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
1	MC0510105-70 or 170		Parking Brake

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-12G-RUD or CCKT-12S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera
180C[1]D,E,F,G[1] 1960[1]-1964[1]			
S/N 50745, 50748 thru 18051410			
Complete Cable Kit P/N CCKT180-04G (Galvanized)			
Complete Cable Kit P/N CCKT180-04S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-25* or -26* Note 1			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-153[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-20G-ELE or CCKT-20S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-12G-RUD or CCKT-12S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera
Note 1: S/N 50745, 50748 thru 18051183 USE PULL-KT-25			
S/N 18051184 thru 18051410 USE PULL-KT-26			
180G[1] 1964[1]			
S/N 18051411 thru 18051445			
Complete Cable Kit P/N CCKT180-05G (Galvanized)			
Complete Cable Kit P/N CCKT180-05S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-26*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Continued from previous column

Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
2	MC0510105-323[2]		Tailwheel Steering
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-20G-ELE or CCKT-20S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera
180H[1] 1965			
S/N 18051446 thru 18051607			
Complete Cable Kit P/N CCKT180-06G (Galvanized)			
Complete Cable Kit P/N CCKT180-06S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-27*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit			
P/N CCKT-18G-AIL or CCKT-18S-AIL			
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit			
P/N CCKT-20G-ELE or CCKT-20S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Galv or SS	Location
Flap Cable Kit P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera
180H[1], J[1] 1971[1]-1973[1] S/N 18051608 thru 18052206 Complete Cable Kit P/N CCKT180-07G (Galvanized) Complete Cable Kit P/N CCKT180-07S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-28*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit P/N CCKT-18G-AIL or CCKT-18S-AIL			
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-20G-ELE or CCKT-20S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera
180H[1], J[1] 1971[1]-1973[1] S/N 18052207 thru 18052331 Complete Cable Kit P/N CCKT180-08G (Galvanized) Complete Cable Kit P/N CCKT180-08S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-83*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-232[2]		Parking Brake
Aileron Cable Kit P/N CCKT-18G-AIL or CCKT-18S-AIL			
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-20G-ELE or CCKT-20S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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180J[1] 1973[1]
S/N 18052332 thru 18052384
Complete Cable Kit P/N CCKT180-09G (Galvanized)
Complete Cable Kit P/N CCKT180-09S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-83*

Qty	P/N	Galv or SS	Location
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-232[2]		Parking Brake
Aileron Cable Kit P/N CCKT-18G-AIL or CCKT-18S-AIL			
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-20G-ELE or CCKT-20S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Stab Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-14G-RUD or CCKT-14S-RUD			
1	MC0510105-71 or 171		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft with camera option			
1	MC0510105-128		Stabilizer Trim with Camera
1	MC0510105-167		Rudder LH with Camera
1	MC0510105-168		Rudder RH with Camera
1	MC0510105-131		Elevator Up with Camera
1	MC0510105-132		Elevator Down with Camera

180J[1] 1974-1976
S/N 18052385 thru 18052770
Complete Cable Kit P/N CCKT180-12G (Galvanized)
Complete Cable Kit P/N CCKT180-12S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-29*

Qty	P/N	Galv or SS	Location
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-232[2]		Parking Brake
Aileron Cable Kit P/N CCKT-18G-AIL or CCKT-18S-AIL			
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
4	MC0422280		Bellcrank Aileron Bushing

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit P/N CCKT-23G-ELE or CCKT-23S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Stab Trim Forward
1	MCS2295P25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-14G-RUD or CCKT-14S-RUD			
1	MC0510105-71 or 171		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft equipped with floats			
1	MC0742022-1[3]		Rudder Return
1	MC0742022-2[3]		Rudder Return

180K[1] 1977-1980
S/N 18052771 thru 18053167
Complete Cable Kit P/N CCKT180-10G (Galvanized)
Complete Cable Kit P/N CCKT180-10S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-29*

Qty	P/N	Galv or SS	Location
2	MC0760135-106[2]		Tailwheel Steering
1	MC0510105-394[2]		Tailwheel Lock
1	MC0510105-232[2]		Parking Brake
Aileron Cable Kit P/N CCKT-19G-AIL or CCKT-19S-AIL			
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC0760135-8 or 108		Aileron Yoke Primary
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-216 or 316		Aileron Yoke Transition
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-21G-ELE or CCKT-21S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stab Trim Forward
1	MCS2295P25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Galv or SS	Location
Flap Cable Kit P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-14G-RUD or CCKT-14S-RUD			
1	MC0510105-71 or 171		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft equipped with floats			
1	MC0742022-1		Rudder Return
1	MC0742022-2		Rudder Return
180K[1] 1981 S/N 18053168 thru 18053203 Complete Cable Kit P/N CCKT180-11G (Galvanized) Complete Cable Kit P/N CCKT180-11S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-29*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0760135-106[2]		Tailwheel Steering
1	MC0510105-394[2]		Tailwheel Lock
1	MC0510105-278[2]		Parking Brake
Aileron Cable Kit P/N CCKT-19G-AIL or CCKT-19S-AIL			
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC0760135-8 or 108		Aileron Yoke Primary
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-216 or 316		Aileron Yoke Transition
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-21G-ELE or CCKT-21S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stab Trim Forward
1	MCS2295P25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-14G-RUD or CCKT-14S-RUD			
1	MC0510105-71 or 171		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
Available separately for aircraft equipped with floats			
1	MC0742022-1		Rudder Return
1	MC0742022-2		Rudder Return

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
182,182A 1956-1958 S/N 33000 thru 51556 Complete Cable Kit P/N CCKT182-01G (Galvanized) Complete Cable Kit P/N CCKT182-01S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-34*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-19G-ELE or CCKT-19S-ELE			
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-79 or 179		Elevator Trim
1	MC0432138-2		Chain Stab Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-15G-RUD or CCKT-15S-RUD			
1	MC0510105-26 or 126		Rudder Control LH
1	MC0510105-66 or 166		Rudder Control RH
1	MC0510105-73 or 173		Rudder Bar Tie
182B 1959 S/N 51557 thru 52358 Complete Cable Kit P/N CCKT182-14G (Galvanized) Complete Cable Kit P/N CCKT182-14S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-34*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-29G-ELE or CCKT-29S-ELE			
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-79 or 179		Elevator Trim
1	MC0432138-2		Chain Stab Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-15G-RUD or CCKT-15S-RUD			
1	MC0510105-26 or 126		Rudder Control LH
1	MC0510105-66 or 166		Rudder Control RH
1	MC0510105-73 or 173		Rudder Bar Tie
182C[1] 1960[1]			
S/N 52359 thru 52611 & 52613			
Complete Cable Kit P/N CCKT182-02G (Galvanized)			
Complete Cable Kit P/N CCKT182-02S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-35*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-19G-ELE or CCKT-19S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-79 or 179		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Stab Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-16G-RUD or CCKT-16S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
182C[1],D 1960[1]-1961			
S/N 52612, 52614 thru 53007, 18253008 thru 18253598			
Complete Cable Kit P/N CCKT182-03G (Galvanized)			
Complete Cable Kit P/N CCKT182-03S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-35*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-22G-ELE or CCKT-22S-ELE			
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
1	MC0510105-82 or 182		Elevator Trim
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MC0432138-2		Chain Stab Trim Forward
1	MCS2295-25-185		Chain Stab Trim Aft
4	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-16G-RUD or CCKT-16S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft
1	MC0510105-73 or 173		Rudder Bar Tie
182E[1] 1962[1]			
S/N 18253599 thru 18253929			
Complete Cable Kit P/N CCKT182-04G (Galvanized)			
Complete Cable Kit P/N CCKT182-04S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-36*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-85[2]		Parking Brake
Aileron Cable Kit			
P/N CCKT-21G-AIL or CCKT-21S-AIL			
2	MC0510105-95 or 195		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-24G-ELE or CCKT-24S-ELE			
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-88 or 188		Elevator Down Spring
1	MC0510105-86 or 186		Elevator Trim Forward LH
1	MC0510105-97 or 197		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295-25-249		Elevator Trim Chain Forward
1	MCS2295P25-113		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft
182E[1],F,G 1962[1]-1964			
S/N 18253930 thru 18255844			
Complete Cable Kit P/N CCKT182-05G (Galvanized)			
Complete Cable Kit P/N CCKT182-05S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-85*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-85[2]		Parking Brake
Rudder Cable Kit			
P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-21G-AIL or CCKT-21S-AIL			
2	MC0510105-95 or 195		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-25G-ELE or CCKT-25S-ELE			
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-88 or 188		Elevator Down Spring
1	MC0510105-201 or 301		Elevator Trim Forward LH
1	MC0510105-202 or 302		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295-25-67		Elevator Trim Chain Forward
1	MCS2295-25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
182H,J,K 1965-1967 S/N 18255845 thru 18258505 Complete Cable Kit P/N CCKT182-06G (Galvanized) Complete Cable Kit P/N CCKT182-06S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-85* or -36* Note 1			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-85 2		Parking Brake
Aileron Cable Kit P/N CCKT-21G-AIL or CCKT-21S-AIL			
2	MC0510105-95 or 195		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-26G-ELE or CCKT-26S-ELE			
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-201 or 301		Elevator Trim Forward LH
1	MC0510105-202 or 302		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295-25-67		Elevator Trim Chain Forward
1	MCS2295-25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft

Note 1: S/N 18255845 thru 18257625 USE PULL-KT-85
S/N 18257626 thru 18258399 USE PULL-KT-36
S/N 18258400 thru 18558505 USE PULL-KT-85

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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182L,M,N,P 1 1968-1973
S/N 18258506 thru 18262465
Complete Cable Kit P/N CCKT182-07G (Galvanized)
Complete Cable Kit P/N CCKT182-07S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-37*, -38*, -86* Note 1

Qty	P/N	Galv or SS	Location
1	MC0510105-85 2		Parking Brake
Aileron Cable Kit P/N CCKT-22G-AIL or CCKT-22S-AIL			
2	MC0510105-228 or 328		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC1260078-3 or 103		Aileron Yoke RH
1	MC1260078-2 or 102		Aileron Yoke LH
1	MC1260078-5 2		Aileron Drive Quadrant
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-26G-ELE or CCKT-26S-ELE			
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-201 or 301		Elevator Trim Forward LH
1	MC0510105-202 or 302		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295-25-67		Elevator Trim Chain Forward
1	MCS2295-25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft

Note 1: S/N 18258506 thru 18260445 USE PULL-KT-37
S/N 18260446 thru 18260669 USE PULL-KT-38
S/N 18260670 thru 18262465 USE PULL-KT-86

182P 1,Q,R 1,T182,F182P,Q 1974- 1981 1
S/N 18262466 thru 18267789,
F18200001 thru F18200169
Complete Cable Kit P/N CCKT182-08G (Galvanized)
Complete Cable Kit P/N CCKT182-08S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-39*

Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-22G-AIL or CCKT-22S-AIL			
2	MC0510105-228 or 328		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC1260078-3 or 103		Aileron Yoke RH
1	MC1260078-2 or 102		Aileron Yoke LH
1	MC1260078-5 2		Aileron Drive Quadrant
4	MC0422280		Aileron Bellcrank Bushing
Elevator Cable Kit P/N CCKT-26G-ELE or CCKT-26S-ELE			
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-201 or 301		Elevator Trim Forward LH
1	MC0510105-202 or 302		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295-25-67		Elevator Trim Chain Forward
1	MCS2295-25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
1	MC0510105-233 or 333		Parking Brake
Rudder Cable Kit P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft
182R[1],T182[1] 1981[1]-1982 S/N 18267790 thru 18268293 Complete Cable Kit P/N CCKT182-09G (Galvanized) Complete Cable Kit P/N CCKT182-09S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-39*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-279[2]		Parking Brake
Aileron Cable Kit P/N CCKT-23G-AIL or CCKT-23S-AIL			
2	MC0510105-228 or 328		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC1260078-3 or 103		Aileron Yoke RH
1	MC1260078-2 or 102		Aileron Yoke LH
1	MC1260078-5[2]		Aileron Drive Quadrant
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-26G-ELE or CCKT-26S-ELE			
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-201 or 301		Elevator Trim Forward LH
1	MC0510105-202 or 302		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295-25-67		Elevator Trim Chain Forward
1	MCS2295-25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft
182R[1],T182[1] 1983-1986 S/N 18268294 thru 18268615 Complete Cable Kit P/N CCKT182-10G (Galvanized) Complete Cable Kit P/N CCKT182-10S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-39*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-279[2]		Parking Brake
Aileron Cable Kit (continued in the next column) P/N CCKT-23G-AIL or CCKT-23S-AIL			
2	MC0510105-228 or 328		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC1260078-3 or 103		Aileron Yoke RH
1	MC1260078-2 or 102		Aileron Yoke LH
1	MC1260078-5[2]		Aileron Drive Quadrant

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit (continued from previous column) P/N CCKT-23G-AIL or CCKT-23S-AIL			
4	MC0422280		Bellcrank Aileron Bushing
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-201 or 301		Elevator Trim Forward LH
1	MC0510105-202 or 302		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295P25-67		Elevator Trim Chain Forward
1	MCS2295P25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft
R182[1],TR182[1],FR182 1978-1981[1] S/N R18200001 thru R18201679, FR18200001 thru FR18200070 Complete Cable Kit P/N CCKT182-11G (Galvanized) Complete Cable Kit P/N CCKT182-11S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-40*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-233 or 333		Parking Brake
Aileron Cable Kit P/N CCKT-24G-AIL or CCKT-24S-AIL			
2	MC0510105-228 or 328		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-28G-ELE or CCKT-28S-ELE			
1	MC0510105-250 or 350		Elevator LH Yoke
1	MC0510105-249 or 349		Elevator RH Yoke
1	MC0510105-245 or 345		Elevator Trim LH Forward
1	MC0510105-246 or 346		Elevator Trim RH Forward
1	MC0510105-247 or 347		Elevator Trim LH Aft
1	MC0510105-248 or 348		Elevator Trim RH Aft
1	MCS2295P25-67		Elevator Trim Chain Forward
1	MCS2295P25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-18G-RUD or CCKT-18S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-18 or 118		Rudder Aft

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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R1821,TR1821 1981-1986
S/N R18201680 thru R18202041
Complete Cable Kit P/N CCKT182-12G (Galvanized)
Complete Cable Kit P/N CCKT182-12S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-40*

Qty	P/N	Galv or SS	Location
1	MC0510105-279[2]		Parking Brake
Aileron Cable Kit P/N CCKT-24G-AIL or CCKT-24S-AIL			
2	MC0510105-228 or 328		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-28G-ELE or CCKT-28S-ELE			
1	MC0510105-250 or 350		Elevator LH Yoke
1	MC0510105-249 or 349		Elevator RH Yoke
1	MC0510105-245 or 345		Elevator Trim LH Forward
1	MC0510105-246 or 346		Elevator Trim RH Forward
1	MC0510105-247 or 347		Elevator Trim LH Aft
1	MC0510105-248 or 348		Elevator Trim RH Aft
1	MCS2295P25-67		Elevator Trim Chain Forward
1	MCS2295P25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-18G-RUD or CCKT-18S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-18 or 118		Rudder Aft

182S,182T, T182T 1997 and On
S/N 18280001 and On, T18208001 and On
Complete Cable Kit P/N CCKT182-13G (Galvanized)
Complete Cable Kit P/N CCKT182-13S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-80*

Qty	P/N	Galv or SS	Location
1	MC0510105-279[2]		Parking Brake
Aileron Cable Kit P/N CCKT-25G-AIL or CCKT-25S-AIL			
2	MC0510105-228 or 328		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
1	MC1260078-5 or 105		Aileron Yoke Primary
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-8 or 108		Aileron Yoke RH
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-27G-ELE or CCKT-27S-ELE			
1	MC0510105-90 or 190		Elevator LH Yoke
1	MC0510105-89 or 189		Elevator RH Yoke
1	MC0510105-201 or 301		Elevator Trim Forward LH
1	MC0510105-202 or 302		Elevator Trim Forward RH
1	MC0510105-87 or 187		Elevator Trim Aft LH
1	MC0510105-98 or 198		Elevator Trim Aft RH
1	MCS2295P25-67		Elevator Trim Chain Forward
1	MCS2295P25-71		Elevator Trim Chain Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit P/N CCKT-17G-RUD or CCKT-17S-RUD			
1	MC0510105-77 or 177		Rudder Control LH
1	MC0510105-78 or 178		Rudder Control RH
2	MC1260105-9 or 109		Rudder Aft

185 1961
S/N 1850001 thru 1850237
Complete Cable Kit P/N CCKT185-01G (Galvanized)
Complete Cable Kit P/N CCKT185-01S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-30*

Qty	P/N	Galv or SS	Location
2	MC0510105-196[2]		Tailwheel Steering
1	MC0713070-28[2]		Cable Assembly Park Brake
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-30G-ELE or CCKT-30S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295-25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Trim

185A,B,C[1] 1962-1964[1]
S/N 1850238 thru 1850768
Complete Cable Kit P/N CCKT185-02G (Galvanized)
Complete Cable Kit P/N CCKT185-02S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-30*

Qty	P/N	Galv or SS	Location
2	MC0510105-199[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit (continued on next page) P/N CCKT-31G-ELE or CCKT-31S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit (continued from previous page)			
P/N CCKT-31G-ELE or CCKT-31S-ELE			
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295-25-185		Chain Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Trim
185C[1] 1964[1]			
S/N 1850769 thru 1850776			
Complete Cable Kit P/N CCKT185-03G (Galvanized)			
Complete Cable Kit P/N CCKT185-03S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-30*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
1	MC0713070-28[2]		Cable Assembly Park Brake
Aileron Cable Kit			
P/N CCKT-10G-AIL or CCKT-10S-AIL			
2	MC0510105-16 or 116		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-30G-ELE or CCKT-30S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295-25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Trim

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
185D 1965			
S/N 1850777 thru 1850967			
Complete Cable Kit P/N CCKT185-04G (Galvanized)			
Complete Cable Kit P/N CCKT185-04S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-31*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit			
P/N CCKT-18G-AIL or CCKT-18S-AIL			
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-30G-ELE or CCKT-30S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295-25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-09G-FLP or CCKT-09S-FLP			
2	MC0510105-59 or 159		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-61 or 161		Flap Direct Inboard LH
1	MC0510105-62 or 162		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Control Aft
1	MC0510105-73 or 173		Rudder Trim
185E,A185E[1] 1966-1971[1]			
S/N 1850968 thru 18501901			
Complete Cable Kit P/N CCKT185-05G (Galvanized)			
Complete Cable Kit P/N CCKT185-05S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-32*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-73 or 173		Rudder Trim
1	MC0510105-70 or 170		Parking Brake
Aileron Cable Kit			
P/N CCKT-18G-AIL or CCKT-18S-AIL			
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-30G-ELE or CCKT-30S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295-25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
A185E[1],A185F[1] 1971[1]-1973[1]			
S/N 18501902 thru 18502206			
Complete Cable Kit P/N CCKT185-06G (Galvanized)			
Complete Cable Kit P/N CCKT185-06S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-84*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC0510105-232[2]		Parking Brake
2	MC0510105-323[2]		Tailwheel Steering
Aileron Cable Kit			
P/N CCKT-18G-AIL or CCKT-18S-AIL			
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Rudder Cable Kit			
P/N CCKT-13G-RUD or CCKT-13S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-71 or 171		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Trim
Elevator Cable Kit			
P/N CCKT-30G-ELE or CCKT-30S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295-25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
A185F[1] 1973[1]			
S/N 18502207 thru 18502310			
Complete Cable Kit P/N CCKT185-11G (Galvanized)			
Complete Cable Kit P/N CCKT185-11S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-84*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-232[2]		Parking Brake
Aileron Cable Kit			
P/N CCKT-18G-AIL or CCKT-18S-AIL			
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-30G-ELE or CCKT-30S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295-25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-14G-RUD or CCKT-14S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-237or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Trim
A185F[1] 1974-1976			
S/N 18502311 thru 18503153			
Complete Cable Kit P/N CCKT185-07G (Galvanized)			
Complete Cable Kit P/N CCKT185-07S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-33*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0510105-323[2]		Tailwheel Steering
1	MC0510105-232[2]		Parking Brake
Aileron Cable Kit			
P/N CCKT-18G-AIL or CCKT-18S-AIL			
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0510105-213 or 313		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-32G-ELE or CCKT-32S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295P25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-14G-RUD or CCKT-14S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Control Aft
1	MC0510105-73 or 173		Rudder Trim
Available separately for aircraft equipped with floats			
1	MC0742022-1 [3]		Rudder Return
1	MC0742022-2 [3]		Rudder Return
185F [1] 1977-1980			
S/N 18503154 thru 18504138			
Complete Cable Kit P/N CCKT185-08G (Galvanized)			
Complete Cable Kit P/N CCKT185-08S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-33*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0760135-106 [2]		Tailwheel Steering
1	MC0510105-394 [2]		Tailwheel Lock
1	MC0510105-232 [2]		Parking Brake
Aileron Cable Kit			
P/N CCKT-19G-AIL or CCKT-19S-AIL			
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0760135-8 or 108		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-32G-ELE or CCKT-32S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295P25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[3] MC0400107-50/150 RH cable attaches to left side of rudder bell crank and right side of rudder pedal pedestal. MC0400107-49/149 LH cable attaches to right side of rudder bell crank and left side of rudder pedal pedestal.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-19G-RUD or CCKT-19S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Control Aft
1	MC0510105-73 or 173		Rudder Trim
Available separately for aircraft equipped with floats			
1	MC0742022-1		Rudder Return
1	MC0742022-2		Rudder Return
185F [1] 1981 [1] -1982 [1]			
S/N 18504139 thru 18504379, 18504381 thru 18504391			
Complete Cable Kit P/N CCKT185-09G (Galvanized)			
Complete Cable Kit P/N CCKT185-09S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-33*			
Qty	**P/N**	**Galv or SS**	**Location**
2	MC0760135-106 [2]		Tailwheel Steering
1	MC0510105-394 [2]		Tailwheel Lock
1	MC0510105-278 [2]		Parking Brake
Aileron Cable Kit			
P/N CCKT-19G-AIL or CCKT-19S-AIL			
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0760135-8 or 108		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-222 or 322		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-32G-ELE or CCKT-32S-ELE			
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295P25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-11G-FLP or CCKT-11S-FLP			
2	MC0510105-225 or 325		Flap Direct Outboard
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
Rudder Cable Kit			
P/N CCKT-19G-RUD or CCKT-19S-RUD			
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Control Aft
1	MC0510105-73 or 173		Rudder Trim
Available separately for aircraft equipped with floats			
1	MC0742022-1		Rudder Return
1	MC0742022-2		Rudder Return

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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A185F[1] 1982[1]-1985
S/N 18504380, 18504392 thru 18504448
Complete Cable Kit P/N CCKT185-10G (Galvanized)
Complete Cable Kit P/N CCKT185-10S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-33*

Qty	P/N	Galv or SS	Location
2	MC0760135-106[2]		Tailwheel Steering
1	MC0510105-394[2]		Tailwheel Lock
1	MC0510105-278[2]		Parking Brake
	Aileron Cable Kit P/N CCKT-26G-AIL or CCKT-26S-AIL		
1	MC0510105-215 or 315		Aileron Yoke LH
1	MC0510105-214 or 314		Aileron Yoke RH
1	MC0760135-8 or 108		Aileron Yoke Primary
1	MC0510105-216 or 316		Aileron Yoke Transition
2	MC0510105-295 or 395		Aileron Direct to Yoke
2	MC0510105-262 or 362		Aileron Direct to Bellcrank
1	MC0510105-264 or 364		Aileron Carry Thru LH
1	MC0510105-265 or 365		Aileron Carry Thru RH
4	MC0422280		Bellcrank Aileron Bushing
	Elevator Cable Kit P/N CCKT-32G-ELE or CCKT-32S-ELE		
1	MC0510105-82 or 182		Elevator Trim
1	MC0510105-24 or 124		Elevator Upper
1	MC0510105-25 or 125		Elevator Lower
2	MC0510105-28 or 128		Stabilator Trim Forward
2	MC0510105-29 or 129		Stabilator Trim Aft
1	MCS2295P25-321		Chain Stabilator Trim Fwd
1	MCS2295P25-185		Chain Stabilator Trim Aft
4	MCS2294-25		Chain Connecting Link
	Flap Cable Kit P/N CCKT-11G-FLP or CCKT-11S-FLP		
2	MC0510105-225 or 325		Flap Direct Outboard
1	MC0510105-227 or 327		Flap Direct Inboard LH
1	MC0510105-226 or 326		Flap Direct Inboard RH
1	MC0510105-21 or 121		Flap Return Forward
1	MC0510105-22 or 122		Flap Direct Forward
2	MC0510105-60 or 160		Flap Return Outboard
1	MC0510105-63 or 163		Flap Return Inboard LH
1	MC0510105-64 or 164		Flap Return Inboard RH
	Rudder Cable Kit P/N CCKT-19G-RUD or CCKT-19S-RUD		
1	MC0510105-51 or 151		Rudder Forward LH
1	MC0510105-237 or 337		Rudder Forward RH
2	MC0510105-52 or 152		Rudder Aft
1	MC0510105-73 or 173		Rudder Trim
	Available separately for aircraft equipped with floats		
1	MC0742022-1		Rudder Return
1	MC0742022-2		Rudder Return

188, A188 1966[1]-1967[1]
S/N 1880001 thru 1880293
Complete Cable Kit P/N CCKT188-01
Complete Pulley Kit P/N PULL-KT-41*

Qty	P/N	Location
2	MC0510105-323	Tailwheel Steering
	Aileron Cable Kit P/N CCKT-27-AIL	
2	MC1660300-8	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-11	Aileron Carry Thru LH
1	MC1660300-10	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
	Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3		Elevator Down Forward
1	MC1660300-5		Elevator Up
1	MC1660300-4		Elevator Down Aft
1	MC1660300-6		Elevator Trim Forward Upper
1	MC1660300-7		Elevator Trim Forward Lower
1	MC0510105-187		Elevator Trim Aft Lower
1	MC0510105-198		Elevator Trim Aft Upper
1	MCS2295-25-70		Elevator Trim Chain Forward
1	MCS2295P25-71		Elevator Trim Chain Aft
4	MCS2294-25		Connecting Link
	Flap Cable Kit P/N CCKT-13-FLP		
1	MC1660300-13		Flap Direct LH Bellcrank
1	MC1660300-12		Flap Direct RH Bellcrank
1	MC1660300-15		Flap Retract LH Bellcrank
1	MC1660300-14		Flap Retract RH Bellcrank
1	1660300-17[7]		Flap Retract to Lever
1	1660300-16[7]		Flap Direct to Lever
	Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1		Rudder Forward
2	MC1660300-2		Rudder Center
2	MC0510105-152		Rudder Aft

188, A188 1966[1]-1967[1]
S/N 1880294 thru 1880317
Complete Cable Kit P/N CCKT188-02
Complete Pulley Kit P/N PULL-KT-41*

Qty	P/N	Location
2	MC0510105-323	Tailwheel Steering
	Aileron Cable Kit P/N CCKT-27-AIL	
2	MC1660300-8	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-11	Aileron Carry Thru LH
1	MC1660300-10	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
	Elevator Cable Kit P/N CCKT-33-ELE	
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
	Flap Cable Kit P/N CCKT-14FLP	
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever
	Rudder Cable Kit P/N CCKT-20-RUD	
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

Notes:
[1] Partial model eligibility
[7] Listed for reference only

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188, A188 1968-1969
S/N 1880318 thru 1880572
Complete Cable Kit P/N CCKT188-03
Complete Pulley Kit P/N PULL-KT-42*

Qty	P/N	Location
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
Aileron Cable Kit P/N CCKT-27-AIL		
2	MC1660300-8	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-11	Aileron Carry Thru LH
1	MC1660300-10	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

188A, A188A 1970[1]-1971[1]
S/N 18800573 thru 18800707
Complete Cable Kit P/N CCKT188-04
Complete Pulley Kit P/N PULL-KT-43*

Qty	P/N	Location
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
Aileron Cable Kit P/N CCKT-28-AIL		
2	MC1660300-30	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-10	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link

Notes:
[1] Partial model eligibility

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Qty	P/N	Location
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

188A, A188A 1970[1]-1971[1]
S/N 18800708 thru 18800832
Complete Cable Kit P/N CCKT188-05
Complete Pulley Kit P/N PULL-KT-44*

Qty	P/N	Location
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

188B[1], A188B[1] 1972[1]
S/N 18800833 thru 18800874
Complete Cable Kit P/N CCKT188-06
Complete Pulley Kit P/N PULL-KT-44*

Qty	P/N	Location
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC1660300-41	Deflector
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing

Notes:
[1] Partial model eligibility

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Location
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft
188B[1], A188B[1] 1972[1]-1973		
S/N 18800875 thru 18801374 & 967T thru 1374T		
Complete Cable Kit P/N CCKT188-07		
Complete Pulley Kit P/N PULL-KT-44* or -45* Note 1		
Qty	**P/N**	**Location**
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC1660300-41	Deflector
1	MC9861000-1	Tailwheel Lock Control
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever

Notes:
[1] Partial model eligibility

Continued on next column

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Qty	P/N	Location
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

Note 1: S/N 18800875 thru 18801348 USE PULL-KT-44
S/N 18801349T thru 18801374T USE PULL-KT-44
S/N 18801349 thru 18801374 USE PULL-KT-45

188B[1], A188B[1] 1974[1]		
S/N 18801375 thru 18801402 & 1375T thru 1402T		
Complete Cable Kit P/N CCKT188-08		
Complete Pulley Kit P/N PULL-KT-45*		
Qty	**P/N**	**Location**
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC1660300-42	Deflector W/Flashing Beacon
1	MC1660300-43	Deflector
1	MC9861000-1	Tailwheel Lock Control
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft
188B[1], A188B[1] 1974[1]-1975		
S/N 18801403 thru 18802348 & 1403T thru 2348T		
Complete Cable Kit P/N CCKT188-09		
Complete Pulley Kit P/N PULL-KT-46*		
Qty	**P/N**	**Location**
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC1660300-42	Deflector W/Flashing Beacon
1	MC1660300-43	Deflector
2	MC1660300-44	Parking Brake
1	MC9861000-1	Tailwheel Lock Control
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Dir to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing

Notes:
[1] Partial model eligibility

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Qty	P/N	Location
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

A188B[1] 1976
S/N 18802349 thru 18802745, 18802349T thru 18802745T
Complete Cable Kit P/N CCKT188-10
Complete Pulley Kit P/N PULL-KT-46*

Qty	P/N	Location
2	MC0510105-323	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC9861000-1	Tailwheel Lock Control
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-14FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	MC1660300-21	Flap Retract to Lever
1	MC1660300-20	Flap Direct to Lever

Notes:
[1] Partial model eligibility

Continued on next column

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Qty	P/N	Location
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

A188B[1] 1977-1978
S/N 18802746 thru 18803296, 18802746T thru 18803296T
Complete Cable Kit P/N CCKT188-11
Complete Pulley Kit P/N PULL-KT-46*

Qty	P/N	Location
2	MC0760135-106	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC9861000-1	Tailwheel Lock Control
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-15FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	1660300-47[7]	Flap Retract to Lever
1	1660300-46[7]	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

A188B[1], T188C 1979
S/N 18803297 thru 18803521, 18803297T thru 18803521T, T18803297T thru T18803521T
Complete Cable Kit P/N CCKT188-12
Complete Pulley Kit P/N PULL-KT-46*

Qty	P/N	Location
2	MC0760135-106	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC9861000-1	Tailwheel Lock Control
1	MC1660300-48	Deflector
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing

Notes:
[1] Partial model eligibility
[7] Listed for reference only

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Location
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-15FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	1660300-47 7	Flap Retract to Lever
1	1660300-46 7	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

A188B 1, T188C 1980-1983
S/N 18803522 thru 18803856, 18803522T thru 18803968T, T18803522T thru T18803968T
Complete Cable Kit P/N CCKT188-13
Complete Pulley Kit P/N PULL-KT-46*

Qty	P/N	Location
2	MC0760135-106	Tailwheel Steering
1	MC1613245-2	Parking Brake Cable
1	MC9861000-1	Tailwheel Lock Control
Aileron Cable Kit P/N CCKT-29-AIL		
2	MC1660300-35	Aileron Direct to Torque Tube
2	MC1660300-9	Aileron Direct to Bellcrank
1	MC1660300-33	Aileron Carry Thru LH
1	MC1660300-38	Aileron Carry Thru RH
4	MC0422280	Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-33-ELE		
1	MC1660300-3	Elevator Down Forward
1	MC1660300-5	Elevator Up
1	MC1660300-4	Elevator Down Aft
1	MC1660300-6	Elevator Trim Forward Upper
1	MC1660300-7	Elevator Trim Forward Lower
1	MC0510105-187	Elevator Trim Aft Lower
1	MC0510105-198	Elevator Trim Aft Upper
1	MCS2295-25-70	Elevator Trim Chain Forward
1	MCS2295P25-71	Elevator Trim Chain Aft
4	MCS2294-25	Connecting Link
Flap Cable Kit P/N CCKT-15FLP		
1	MC1660300-13	Flap Direct LH Bellcrank
1	MC1660300-12	Flap Direct RH Bellcrank
1	MC1660300-15	Flap Retract LH Bellcrank
1	MC1660300-14	Flap Retract RH Bellcrank
1	1660300-47 7	Flap Retract to Lever
1	1660300-46 7	Flap Direct to Lever
Rudder Cable Kit P/N CCKT-20-RUD		
2	MC1660300-1	Rudder Forward
2	MC1660300-2	Rudder Center
2	MC0510105-152	Rudder Aft

Notes:
1 Partial model eligibility
7 Listed for reference only

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210-5 (205) 1 1963 1
S/N 205-0001 thru 205-0050
Complete Cable Kit P/N CCKT205-01G (Galvanized)
Complete Cable Kit P/N CCKT205-01S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-47*

Qty	P/N	Galv or SS	Location
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit P/N CCKT-30G-AIL or CCKT-30S-AIL			
2	MC1260505-3 or 103		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-34G-ELE or CCKT-34S-ELE			
1	MC1260505-18 or 118		Elevator Down
1	MC1260505-19 or 119		Elevator Up
1	MC1260505-2 or 102		Elevator Down Spring
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MC1260505-16 or 116		Elevator Trim Forward LH
1	MC1260505-17 or 117		Elevator Trim Forward RH
1	MC1260505-8 or 108		Elevator Trim Aft LH
1	MC1260505-7 or 107		Elevator Trim Aft RH
1	MCS2295P25-113		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-91 or 191		Flap Direct RH
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 0r 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH

210-5 (205) 1,210-5A (205A) 1963 1-1964
S/N 205-0051 thru 205-0577
Complete Cable Kit P/N CCKT205-02G (Galvanized)
Complete Cable Kit P/N CCKT205-02S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-47*

Qty	P/N	Galv or SS	Location
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit P/N CCKT-30G-AIL or CCKT-30S-AIL			
2	MC1260505-3 or 103		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit P/N CCKT-35G-ELE or CCKT-35S-ELE			
1	MC1260505-18 or 118		Elevator Down
1	MC1260505-19 or 119		Elevator Up
1	MC1260505-2 or 102		Elevator Down Spring
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MC1260505-16 or 116		Elevator Trim Forward LH
1	MC1260505-21 or 121		Elevator Trim Forward RH
1	MC1260505-8 or 108		Elevator Trim Aft LH
1	MC1260505-20 or 120		Elevator Trim Aft RH
1	MCS2295P25-113		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link

Notes:
1 Partial model eligibility
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct RH
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
206,U206,A,B,TU206A,B 1964-1967			
P206,P206A,B,TP206A,B 1964-1967			
S/N 206-0001 thru U206-0914, P206-0001 thru P206-0419			
Complete Cable Kit P/N CCKT206-01G (Galvanized)			
Complete Cable Kit P/N CCKT206-01S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-48*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260417-1 or 2		Park Cable and Tube
1	MC1260505-1 or 101		Park Brake
Aileron Cable Kit			
P/N CCKT-31G-AIL or CCKT-31S-AIL			
2	MC1260505-25 or 125		Aileron Direct
2	MC1260505-26 or 126		Aileron Direct Outboard
1	MC1260505-23 or 123		Aileron Carry Thru LH
1	MC1260505-27 or 127		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-36G-ELE or CCKT-36S-ELE			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-28 or 128		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-16 or 116		Elevator Trim Forward LH
1	MC1260505-21 or 121		Elevator Trim Forward RH
1	MC1260505-8 or 108		Elevator Trim Aft LH
1	MC1260505-20 or 120		Elevator Trim Aft RH
1	MCS2295P25-113[20]		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-9 or 109		Rudder Aft LH with Camera

Notes:
[1] Partial model eligibility
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
[20] Pending FAA-PMA approval of eligibility for these aircraft. Not included in kit until approval received.

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Qty	P/N	Galv or SS	Location
U206C,D[1],TU206C,D[1] 1968-1969[1]			
P206C,D[1],TP206C,D[1] 1968-1969[1]			
S/N U206-0915 thru U206-1345, P206-0420 thru P206-0583			
Complete Cable Kit P/N CCKT206-02G (Galvanized)			
Complete Cable Kit P/N CCKT206-02S (Stainless Steel)			
Complete Cable Kit P/N CCKT206-02GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT206-02SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-49*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Cable and Tube
Aileron Cable Kit			
P/N CCKT-32G-AIL or CCKT-32S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
2	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-37G-ELE or CCKT-37S-ELE			
P/N CCKT-37GE-ELE or CCKT-37SE-ELE (Electric Trim)			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-53 or 153		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-16 or 116		Elevator Trim Forward LH[8]
1	MC1260505-21 or 121		Elevator Trim Forward RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH[8]
1	MC1260505-45 or 145		Elevator Trim Aft RH[8]
1	MC1260505-168 or 168		Elevator Trim Center LH[9]
1	MC1260505-64 or 164		Elevator Trim Center RH[9]
1	MC1260505-63 or 163		Elevator Trim Forward LH[9]
1	MC1260505-69 or 169		Elevator Trim Aft RH[9]
1	MC1260505-57 or 157		Elevator Trim Aft LH[9]
1	MCS2295P25-113[20]		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-9 or 109		Rudder Aft LH with Camera

Notes:
[1] Partial model eligibility
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only
[20] Pending FAA-PMA approval of eligibility for these aircraft. Not included in kit until approval received.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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U206D[1],E[1], TU206D[1],E[1] 1965-1971[1]
P206D[1],E, TP206D[1],E 1965-1971[1]
S/N U206-1346 thru U20601667, P206-0584 thru P20600647
Complete Cable Kit P/N CCKT206-03G (Galvanized)
Complete Cable Kit P/N CCKT206-03S (Stainless Steel)
Complete Cable Kit P/N CCKT206-03GE (Galv. Elec. Trim)
Complete Cable Kit P/N CCKT206-03SE (SS Electric Trim)
Complete Pulley Kit P/N PULL-KT-49*

Qty	P/N	Galv or SS	Location
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit P/N CCKT-32G-AIL or CCKT-32S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
2	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit P/N CCKT-38G-ELE or CCKT-38S-ELE P/N CCKT-38GE-ELE or CCKT-38SE-ELE (Electric Trim)			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-95 or 195		Elevator Trim Forward LH[8]
1	MC1260505-92 or 192		Elevator Trim Forward RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH[8]
1	MC1260505-91 or 191		Elevator Trim Aft RH[8]
1	MC1260505-168 or 168		Elevator Trim Center LH[9]
1	MC1260505-64 or 164		Elevator Trim Center RH[9]
1	MC1260505-63 or 163		Elevator Trim Forward LH[9]
1	MC1260505-69 or 169		Elevator Trim Aft RH[9]
1	MC1260505-57 or 157		Elevator Trim Aft LH[9]
1	MCS2295-25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-9 or 109		Rudder Aft LH with Camera

Notes:
[1] Partial model eligibility
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only

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U206E[1], TU206E[1] 1971[1]
S/N U20601668 thru U20601700
Complete Cable Kit P/N CCKT206-04G (Galvanized)
Complete Cable Kit P/N CCKT206-04S (Stainless Steel)
Complete Cable Kit P/N CCKT206-04GE (Galv. Elec. Trim)
Complete Cable Kit P/N CCKT206-04SE (SS Electric Trim)
Complete Pulley Kit P/N PULL-KT-50*

Qty	P/N	Galv or SS	Location
1	MC1260505-97 or 197		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit P/N CCKT-32G-AIL or CCKT-32S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
2	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit P/N CCKT-38G-ELE or CCKT-38S-ELE P/N CCKT-38GE-ELE or CCKT-38SE-ELE (Electric Trim)			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-95 or 195		Elevator Trim Forward LH[8]
1	MC1260505-92 or 192		Elevator Trim Forward RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH[8]
1	MC1260505-91 or 191		Elevator Trim Aft RH[8]
1	MC1260505-168 or 168		Elevator Trim Center LH[9]
1	MC1260505-64 or 164		Elevator Trim Center RH[9]
1	MC1260505-63 or 163		Elevator Trim Forward LH[9]
1	MC1260505-69 or 169		Elevator Trim Aft RH[9]
1	MC1260505-57 or 157		Elevator Trim Aft LH[9]
1	MCS2295-25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-9 or 109		Rudder Aft LH with Camera

U206F[1], TU206F[1] 1972[1]

S/N U20601701 thru U20601748
Complete Cable Kit P/N CCKT206-05G (Galvanized)
Complete Cable Kit P/N CCKT206-05S (Stainless Steel)
Complete Cable Kit P/N CCKT206-05GE (Galv. Elec. Trim)
Complete Cable Kit P/N CCKT206-05SE (SS Electric Trim)
Complete Pulley Kit P/N PULL-KT-51*

Qty	P/N	Galv or SS	Location
1	MC1260505-97 or 197		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube

Notes:
[1] Partial model eligibility
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit (continued from previous page)			
P/N CCKT-32G-AIL or CCKT-32S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
2	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-38G-ELE or CCKT-38S-ELE			
P/N CCKT-38GE-ELE or CCKT-38SE-ELE (Electric Trim)			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MC1260505-95 or 195		Elevator Trim Forward LH[8]
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-98 or 198		Elevator Trim Forward RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH[8]
1	MC1260505-99 or 199		Elevator Trim Aft RH[8]
1	MC1260505-168 or 168		Elevator Trim Center LH[9]
1	MC1260505-64 or 164		Elevator Trim Center RH[9]
1	MC1260505-63 or 163		Elevator Trim Forward LH[9]
1	MC1260505-69 or 169		Elevator Trim Aft RH[9]
1	MC1260505-57 or 157		Elevator Trim Aft LH[9]
1	MCS2295-25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118[2]		Rudder Aft LH with Camera
U206F[1], TU206F[1] 1972[1]-1973[1]			
S/N U20601749 thru U20601874			
Complete Cable Kit P/N CCKT206-06G (Galvanized)			
Complete Cable Kit P/N CCKT206-06S (Stainless Steel)			
Complete Cable Kit P/N CCKT206-06GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT206-06SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-51*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-32G-AIL or CCKT-32S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
2	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-38G-ELE or CCKT-38S-ELE			
P/N CCKT-38GE-ELE or CCKT-38SE-ELE (Electric Trim)			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-95 or 195		Elevator Trim Forward LH[8]
1	MC1260505-98 or 198		Elevator Trim Forward RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH[8]
1	MC1260505-99 or 199		Elevator Trim Aft RH[8]
1	MC1260505-168 or 168		Elevator Trim Center LH[9]
1	MC1260505-64 or 164		Elevator Trim Center RH[9]
1	MC1260505-63 or 163		Elevator Trim Forward LH[9]
1	MC1260505-69 or 169		Elevator Trim Aft RH[9]
1	MC1260505-57 or 157		Elevator Trim Aft LH[9]
1	MCS2295-25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118[2]		Rudder Aft LH with Camera
U206F[1], TU206F[1] 1973[1]			
S/N U20601875 thru U20601957			
Complete Cable Kit P/N CCKT206-07G (Galvanized)			
Complete Cable Kit P/N CCKT206-07S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-52*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-32G-AIL or CCKT-32S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
2	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Qty	**P/N**	**Galv or SS**	**Location**
Elevator Cable Kit (continued on next page)			
P/N CCKT-39G-ELE or CCKT-39S-ELE			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit (continued from previous page)			
P/N CCKT-39G-ELE or CCKT-39S-ELE			
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-99 or 199		Elevator Trim Aft RH
1	MCS2295-25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118 2		Rudder Aft LH with Camera
U206F 1, TU206F 1 1973 1			
S/N U20601958 thru U20602199			
Complete Cable Kit P/N CCKT206-08G (Galvanized)			
Complete Cable Kit P/N CCKT206-08S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-52*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-32G-AIL or CCKT-32S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
2	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-40G-ELE or CCKT-40S-ELE			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-304 or 304		Elevator Trim Aft RH
1	MCS2295-25-47		Chain Elev Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118 2		Rudder Aft LH with Camera

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Continued from previous column

Qty	P/N	Galv or SS	Location
U206F 1 1974			
S/N U20602200 thru U20602579			
Complete Cable Kit P/N CCKT206-09G (Galvanized)			
Complete Cable Kit P/N CCKT206-09S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-53*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-5 or 105		Aileron Yoke Primary
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-8 or 108		Aileron Yoke RH
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-39G-ELE or CCKT-39S-ELE			
1	MC1260505-29 or 129		Elevator Down Forward
1	MC1260505-30 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MCS2295-25-47		Chain Elevator Trim Actuator
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-99 or 199		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118 2		Rudder Aft LH with Camera
U206F 1,G 1, TU206F 1,G 1 1975-1980			
S/N U20602580 thru U20605919			
Complete Cable Kit P/N CCKT206-10G (Galvanized)			
Complete Cable Kit P/N CCKT206-10S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-54* or -55* Note 1			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-5 or 105		Aileron Yoke Primary
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-8 or 108		Aileron Yoke RH
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-41G-ELE or CCKT-41S-ELE			
2	MC1260505-306 or 406		Elevator Control
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MCS2295-25-47		Chain Elevator Trim Actuator
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-99 or 199		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118 2		Rudder Aft LH with Camera
Note 1:			
S/N U20602580 thru U20603798 USE PULL-KT-54			
S/N U20603799 thru U20605919 USE PULL-KT-55			
U206G 1, TU206G 1 1981 1			
S/N U20605920 thru U20606003			
Complete Cable Kit P/N CCKT206-11G (Galvanized)			
Complete Cable Kit P/N CCKT206-11S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-55*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-5 or 105		Aileron Yoke Primary
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-8 or 108		Aileron Yoke RH
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-41G-ELE or CCKT-41S-ELE			
2	MC1260505-306 or 406		Elevator Control
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MCS2295-25-47		Chain Elevator Trim Actuator
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-99 or 199		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

Continued on next column

Continued from previous column

Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-21G-RUD or CCKT-21S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-13 or 113		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118 2		Rudder Aft LH with Camera
U206G 1, TU206G 1 1981 1			
S/N U20606004 thru U20606439			
Complete Cable Kit P/N CCKT206-12G (Galvanized)			
Complete Cable Kit P/N CCKT206-12S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-55*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-5 or 105		Aileron Yoke Primary
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-8 or 108		Aileron Yoke RH
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-41G-ELE or CCKT-41S-ELE			
2	MC1260505-306 or 406		Elevator Control
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MCS2295-25-47		Chain Elevator Trim Actuator
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-99 or 199		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-22G-RUD or CCKT-22S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-319 or 419		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118 2		Rudder Aft LH with Camera
U206G, TU206G 1 1982-1986			
S/N U20606440 thru U20607020			
Complete Cable Kit P/N CCKT206-13G (Galvanized)			
Complete Cable Kit P/N CCKT206-13S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-55*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-34G-AIL or CCKT-34S-AIL			
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-10 or 110		Aileron Yoke Primary
2	MC1260505-320 or 420		Aileron Direct
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-41G-ELE or CCKT-41S-ELE			
2	MC1260505-306 or 406		Elevator Control
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-185		Chain Elevator Trim Fwd Low
1	MCS2295-25-47		Chain Elevator Trim Actuator
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-99 or 199		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-22G-RUD or CCKT-22S-RUD			
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-319 or 419		Rudder Aft LH
Available separately for aircraft with camera option			
1	MC1260105-118 2		Rudder Aft LH with Camera
206H, T206H 1998 & on			
S/N 20608001 and T20608001 & on			
Complete Cable Kit P/N CCKT206H-01G (Galvanized)			
Complete Cable Kit P/N CCKT206H-01S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-56*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 2		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-34G-AIL or CCKT-34S-AIL			
1	MC1260078-10 or 110		Aileron Yoke Primary
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260505-54 or 154		Aileron Carry Thru RH
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
2	MC1260505-320 or 420		Aileron Direct
Elevator Cable Kit			
P/N CCKT-42G-ELE or CCKT-42S-ELE			
2	MC1260505-306 or 406		Elevator Control
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-95 or 195		Elevator Trim Forward LH
1	MC1260505-98 or 198		Elevator Trim Forward RH
1	MC1260505-99 or 199		Elevator Trim Aft RH
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-92 or 192		Flap Direct RH
1	MC0510105-259 or 359		Flap Direct LH
Rudder Cable Kit			
P/N CCKT-22G-RUD or CCKT-22S-RUD			
1	MC1260505-12 or 112		Rudder Aft RH
1	MC1260505-319 or 419		Rudder Aft LH
1	MC0510105-203 or 303		Rudder Forward LH
1	MC0510105-204 or 304		Rudder Forward RH
207 1, T207 1 1969 1			
S/N 20700001 thru 20700101			
Complete Cable Kit P/N CCKT207-01G (Galvanized)			
Complete Cable Kit P/N CCKT207-01S (Stainless Steel)			
Complete Cable Kit P/N CCKT207-01GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT207-01SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-57*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit (continued on next column)			
P/N CCKT-43G-ELE or CCKT-43S-ELE			
P/N CCKT-43GE-ELE or CCKT-43SE-ELE (Electric Trim)			
1	MC1260505-78 or 178		Elevator Down Aft
1	MC1260505-75 or 175		Elevator Up Aft
1	MC1260505-129 2		Elevator Down Forward
1	MC1260505-130 2		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295-25-43		Chain Elevator Trim Actuator
Elevator Cable Kit (continued from previous column)			
P/N CCKT-43G-ELE or CCKT-43S-ELE			
P/N CCKT-43GE-ELE or CCKT-43SE-ELE (Electric Trim)			
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
6	MCS2294-25		Chain Connecting Link
1	MC1260505-77 or 177		Elevator Trim Forward LH 8
1	MC1260505-76 or 176		Elevator Trim Forward RH 8
1	MC1260505-46 or 146		Elevator Trim Aft LH 8
1	MC1260505-45 or 145		Elevator Trim Aft RH 8
1	MC1260204-3 2		Elec Elevator Trim LH 9
1	MC1260505-90 or 190		Elec Elevator Trim Fwd RH 9
1	MC1260505-85 or 185		Elec Elevator Trim Fwd LH 9
1	MC1260505-57 or 157		Electric Trim Aft RH 9
1	MC1260505-69 or 169		Electric Trim Aft LH 9

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
8 Included in kits for manual trim aircraft only
9 Included in kits for electric trim aircraft only

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 1936		Flap Retract
1	MC0510105-94 or 1946		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-23G-RUD or CCKT-23S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
1	MC1260505-89 or 189		Elevator Up with Camera
1	MC1260505-88 or 188		Elevator Down with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera
2071/T2071 19691			
S/N 20700102 thru 20700204			
Complete Cable Kit P/N CCKT207-02G (Galvanized)			
Complete Cable Kit P/N CCKT207-02S (Stainless Steel)			
Complete Cable Kit P/N CCKT207-02GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT207-02SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-57*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-44G-ELE or CCKT-44S-ELE			
P/N CCKT-44GE-ELE or CCKT-44SE-ELE (Electric Trim)			
1	MC1260505-78 or 178		Elevator Down
1	MC1260505-75 or 175		Elevator Up
1	MC1260505-1292		Elevator Down Forward
1	MC1260505-1302		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
1	MC1260505-94 or 194		Elevator Trim Forward LH8
1	MC1260505-93 or 193		Elevator Trim Forward RH8
1	MC1260505-46 or 146		Elevator Trim Aft LH8
1	MC1260505-91 or 191		Elevator Trim Aft RH8
1	MC1260204-32		Electric Trim LH9
1	MC1260505-90 or 190		Electric Trim Forward RH9
1	MC1260505-85 or 185		Electric Trim Forward LH9
1	MC1260505-57 or 157		Electric Trim Aft RH9
1	MC1260505-69 or 169		Electric Trim Aft LH9

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
8 Included in kits for manual trim aircraft only
9 Included in kits for electric trim aircraft only

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 1936		Flap Retract
1	MC0510105-94 or 1946		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-23G-RUD or CCKT-23S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
1	MC1260505-89 or 189		Elevator Up with Camera
1	MC1260505-88 or 188		Elevator Down with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera
2071, T2071 19691-19721			
S/N 20700205 thru 20700207			
Complete Cable Kit P/N CCKT207-03G (Galvanized)			
Complete Cable Kit P/N CCKT207-03S (Stainless Steel)			
Complete Cable Kit P/N CCKT207-03GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT207-03SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-58*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-44G-ELE or CCKT-44S-ELE			
P/N CCKT-44GE-ELE or CCKT-44SE-ELE (Electric Trim)			
1	MC1260505-78 or 178		Elevator Down Aft
1	MC1260505-75 or 175		Elevator Up Aft
1	MC1260505-1292		Elevator Down Forward
1	MC1260505-1302		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
1	MC1260505-94 or 194		Elevator Trim Forward LH8
1	MC1260505-93 or 193		Elevator Trim Forward RH8
1	MC1260505-46 or 146		Elevator Trim Aft LH8
1	MC1260505-91 or 191		Elevator Trim Aft RH8
1	MC1260204-32		Electric Trim LH9
1	MC1260505-90 or 190		Electric Trim Forward RH9
1	MC1260505-85 or 185		Electric Trim Forward LH9
1	MC1260505-57 or 157		Electric Trim Aft RH9
1	MC1260505-69 or 169		Electric Trim Aft LH9

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 1936		Flap Retract
1	MC0510105-94 or 1946		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-23G-RUD or CCKT-23S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
1	MC1260505-89 or 189		Elevator Up with Camera
1	MC1260505-88 or 188		Elevator Down with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera
2071, T2071 1972-1973			
S/N 20700208 thru 20700227			
Complete Cable Kit P/N CCKT207-04G (Galvanized)			
Complete Cable Kit P/N CCKT207-04S (Stainless Steel)			
Complete Cable Kit P/N CCKT207-04GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT207-04SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-58*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
Elevator Cable Kit			
P/N CCKT-44G-ELE or CCKT-44S-ELE			
P/N CCKT-44GE-ELE or CCKT-44SE-ELE (Electric Trim)			
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
1	MC1260505-78 or 178		Elevator Down Aft
1	MC1260505-75 or 175		Elevator Up Aft
1	MC1260505-1292		Elevator Down Forward
1	MC1260505-1302		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
1	MC1260505-94 or 194		Elevator Trim Forward LH8
1	MC1260505-93 or 193		Elevator Trim Forward RH8
1	MC1260505-46 or 146		Elevator Trim Aft LH8
1	MC1260505-91 or 191		Elevator Trim Aft RH8
1	MC1260204-32		Electric Trim LH9
1	MC1260505-90 or 190		Electric Trim Forward RH9
1	MC1260505-85 or 185		Electric Trim Forward LH9
1	MC1260505-57 or 157		Electric Trim Aft RH9
1	MC1260505-69 or 169		Electric Trim Aft LH9

Notes:
1 Partial model eligibility
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
8 Included in kits for manual trim aircraft only
9 Included in kits for electric trim aircraft only

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 1936		Flap Retract
1	MC0510105-94 or 1946		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-23G-RUD or CCKT-23S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
1	MC1260505-89 or 189		Elevator Up with Camera
1	MC1260505-88 or 188		Elevator Down with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera
207, T207 1974			
S/N 20700228 thru 20700267			
Complete Cable Kit P/N CCKT207-05G (Galvanized)			
Complete Cable Kit P/N CCKT207-05S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-59*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-44G-ELE or CCKT-44S-ELE			
P/N CCKT-44GE-ELE or CCKT-44SE-ELE (Electric Trim)			
1	MC1260505-78 or 178		Elevator Down Aft
1	MC1260505-75 or 175		Elevator Up Aft
1	MC1260505-129 or 129		Elevator Down Forward
1	MC1260505-130 or 130		Elevator Up Forward
1	MC1260505-303 or 403		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
1	MC1260505-94 or 194		Elevator Trim Forward LH
1	MC1260505-93 or 193		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-91 or 191		Elevator Trim Aft RH
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 1936		Flap Retract
1	MC0510105-94 or 1946		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
1	MC1260505-88 or 188		Elevator Down with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera

Notes:
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-23G-RUD or CCKT-23S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
1	MC1260505-89 or 189		Elevator Up with Camera
207,207A[1], T207,T207A[1] 1975-1980[1]			
S/N 20700268 thru 20700646			
Complete Cable Kit P/N CCKT207-06G (Galvanized)			
Complete Cable Kit P/N CCKT207-06S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-60* or -61* Note 1			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-45G-ELE or CCKT-45S-ELE			
2	MC1260505-307 or 407		Elevator
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
1	MC1260505-94 or 194		Elevator Trim Forward LH
1	MC1260505-93 or 193		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-91 or 191		Elevator Trim Aft RH
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-23G-RUD or CCKT-23S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
2	MC1260505-310 or 410		Elevator with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera

Note 1 S/N 20700268 thru 20700390 USE PULL-KT-60
S/N 20700391 thru 20700646 USE PULL-KT-61

Notes:
[1] Partial model eligibility
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Qty	P/N	Galv or SS	Location
207A[1], T207A 1980-1981[1]			
S/N 20700647 thru 20600672			
Complete Cable Kit P/N CCKT207-07G (Galvanized)			
Complete Cable Kit P/N CCKT207-07S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-61*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-46G-ELE or CCKT-46S-ELE			
2	MC1260505-307 or 407		Elevator
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
1	MC1260505-94 or 194		Elevator Trim Forward LH
1	MC1260505-93 or 193		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-91 or 191		Elevator Trim Aft RH
Flap Cable Kit			
P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193[6]		Flap Retract
1	MC0510105-94 or 194[6]		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-23G-RUD or CCKT-23S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
2	MC1260505-310 or 410		Elevator with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera
207A[1], T207A 1981[1]			
S/N 20700673 thru 20700729			
Complete Cable Kit P/N CCKT207-08G (Galvanized)			
Complete Cable Kit P/N CCKT207-08S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-61*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-33G-AIL or CCKT-33S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Primary
2	MC1260505-55 or 155		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH

Notes:
[1] Partial model eligibility
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Continued from previous page

Qty	P/N	Galv or SS	Location
Elevator Cable Kit P/N CCKT-46G-ELE or CCKT-46S-ELE			
2	MC1260505-307 or 407		Elevator
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
1	MC1260505-94 or 194		Elevator Trim Forward LH
1	MC1260505-93 or 193		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-91 or 191		Elevator Trim Aft RH
Flap Cable Kit P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit P/N CCKT-24G-RUD or CCKT-24S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-319 or 419		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-83 or 183		Rudder RH with Camera
1	MC1260505-84 or 184		Rudder LH with Camera
2	MC1260505-310 or 410		Elevator with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera
207A 1, T207A 1982-1984			
S/N 20700730 thru 20700788			
Complete Cable Kit P/N CCKT207-09G (Galvanized)			
Complete Cable Kit P/N CCKT207-09S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-61*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit P/N CCKT-34G-AIL or CCKT-34S-AIL			
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-10 or 110		Aileron Yoke Primary
2	MC1260505-320 or 420		Aileron Direct Inboard
2	MC1260505-58 or 158		Aileron Direct Outboard
1	MC1260505-60 or 160		Aileron Carry Thru LH
1	MC1260505-54 or 154		Aileron Carry Thru RH
Elevator Cable Kit P/N CCKT-46G-ELE or CCKT-46S-ELE			
2	MC1260505-307 or 407		Elevator
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-185		Chain Elevator Trim Fwd Low
1	MCS2295P25-47		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
1	MC1260505-94 or 194		Elevator Trim Forward LH
1	MC1260505-93 or 193		Elevator Trim Forward RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MC1260505-91 or 191		Elevator Trim Aft RH
Flap Cable Kit P/N CCKT-16G-FLP or CCKT-16S-FLP			
1	MC0510105-93 or 193 6		Flap Retract
1	MC0510105-94 or 194 6		Flap Retract
1	MC0510105-259 or 359		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
2	MC1260505-310 or 410		Elevator with Camera
1	MC1260505-79 or 179		Elevator Trim RH with Camera
1	MC1260505-80 or 180		Elevator Trim LH with Camera

Notes:

1 Partial model eligibility

6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

Continued on next column

Continued from previous column

Qty	P/N	Galv or SS	Location
Rudder Cable Kit P/N CCKT-24G-RUD or CCKT-24S-RUD			
1	MC0510105-229 or 329		Rudder Forward LH
1	MC0510105-230 or 330		Rudder Forward RH
1	MC1260505-319 or 419		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
Available separately for aircraft with camera option			
1	MC1260505-84 or 184		Rudder LH with Camera
208			
See Caravan Section on page 476 for more details.			
S/N 20800001 thru 20899999			
Complete Cable Kit P/N CCKT208-01 (without autopilot) 10			
Complete Cable Kit P/N CCKT208-02 (without autopilot) 11			
Complete Cable Kit P/N CCKT208-03 (with autopilot) 12			
Complete Cable Kit P/N CCKT208-04 (with autopilot) 13			
Complete Cable Kit P/N CCKT208-05 (with autopilot) 14			
Qty	**P/N**		**Location**
1	MC2660001-123		Control Column Interconnect
1	MC2660001-124		Control Column Interconnect
1	MC2660001-125		Control Column Interconnect
1	MC2660001-126		Control Column Interconnect
1	MC9864054-9		Flap Indicator
Aileron Cable Kit P/N CCKT-35-AIL			
2	MC2660001-114		Aileron
1	MC2660001-118		Aileron LH
1	MC2660001-119		Aileron RH
4	MC2660001-122		Aileron
2	MC2660001-157		Aileron
2	MC2660029-4		Aileron Trim
2	MCS2295-25-35		Chain Aileron Trim
4	MCS2294-25		Chain Connecting Link
Aileron Cable Kit P/N CCKT-36-AIL Note 1			
2	MC2660001-114		Aileron
1	MC2660001-118		Aileron LH
1	MC2660001-119		Aileron RH
4	MC2660001-122		Aileron
2	MC2660001-157		Aileron
2	MC2660029-4		Aileron Trim
2	MCS2295-25-35		Chain Aileron Trim
4	MCS2294-25		Chain Connecting Link
1	MC2660029-13 Note 1		Aileron Trim
1	MC2660029-15 Note 1		Aileron Trim
1	MCS2295-25-43 Note 1		Chain Aileron Trim
Elevator Cable Kit P/N CCKT-47-ELE			
1	MC2660001-100		Elevator
1	MC2660001-101		Elevator
1	MC2660001-102		Elevator
1	MC2660001-103		Elevator
1	MC2660001-109		Elevator Trim
1	MC2660001-155		Elevator Trim
1	MC2660001-156		Elevator Trim
1	MC2660001-110		Elevator Trim
1	MC2660001-112		Elevator Trim
1	MCS2295-25-247		Chain Elevator Trim
2	MCS2295-25-87		Chain Elevator Trim
1	MCS2295-25-101		Chain Elevator Trim Note 2
6	MCS2294-25		Chain Connecting Link

Notes:

10 S/N 20800001 thru 20800081 without autopilot

11 S/N 20800082 thru 20899999 without autopilot

12 S/N 20800001 thru 20800081 with autopilot

13 S/N 20800082 thru 20800499 with autopilot

14 S/N 20800500 thru 20899999 with autopilot

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit P/N CCKT-48-ELE			
1	MC2660001-100		Elevator
1	MC2660001-101		Elevator
1	MC2660001-102		Elevator
1	MC2660001-103		Elevator
1	MC2660001-109		Elevator Trim
1	MC2660001-155		Elevator Trim
1	MC2660001-156		Elevator Trim
1	MC2660001-110		Elevator Trim
1	MC2660001-112		Elevator Trim
1	MCS2295-25-247		Chain Elevator Trim
2	MCS2295-25-87		Chain Elevator Trim
6	MCS2294-25		Chain Connecting Link
Elevator Cable Kit P/N CCKT-49-ELE			
1	MC2660001-100		Elevator
1	MC2660001-101		Elevator
1	MC2660001-102		Elevator
1	MC2660001-103		Elevator
1	MC2660001-109		Elevator Trim
1	MC2660001-155		Elevator Trim
1	MC2660001-156		Elevator Trim
1	MC2660001-110		Elevator Trim
1	MC2660001-112		Elevator Trim
1	MCS2295-25-247		Chain Elevator Trim
2	MCS2295-25-87		Chain Elevator Trim
1	MCS2295-25-107 Note 3		Chain Pitch Trim Servo Note 4
6	MCS2294-25		Chain Connecting Link
Rudder Cable Kit P/N CCKT-25-RUD			
1	MC2660001-104		Rudder
1	MC2660001-106		Rudder
1	MC2660001-107		Rudder
1	MC2660001-108		Rudder

Note 1: S/N 20800082 thru 20899999
Note 2: When equipped with electric trim
Note 3: S/N 20800500 thru 20899999
Note 4: When equipped with pitch trim servo

208B

See Caravan Section on page 476 for more details.

S/N 208B0001 thru 208B9999
Complete Cable Kit P/N CCKT208B-01 (without autopilot) 15
Complete Cable Kit P/N CCKT208B-02 (with autopilot) 16
Complete Cable Kit P/N CCKT208B-03 (with autopilot) 17

Qty	P/N	Location
1	MC2660001-123	Control Column Interconnect
1	MC2660001-124	Control Column Interconnect
1	MC2660001-125	Control Column Interconnect
1	MC2660001-126	Control Column Interconnect
1	MC9864054-7	Flap Indicator
Aileron Cable Kit P/N CCKT-38-AIL		
2	MC2660001-114	Aileron
4	MC2660001-122	Aileron
1	MC2660001-151	Aileron
1	MC2660001-152	Aileron
2	MC2660001-157	Aileron
2	MC2660029-11	Aileron Trim
1	MC2660029-13	Aileron Trim
1	MC2660029-15	Aileron Trim
2	MCS2295-25-35	Chain Aileron Trim
4	MCS2294-25	Chain Connecting Link

Notes:
15 All serials without autopilot
16 S/N 208B0001 thru 208B1999 with autopilot
17 S/N 208B2000 thru 208B9999 with autopilot

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit P/N CCKT-50-ELE			
1	MC2660001-100		Elevator
1	MC2660001-102		Elevator
1	MC2660001-153		Elevator
1	MC2660001-147		Elevator
1	MC2660001-109		Elevator Trim
1	MC2660001-110		Elevator Trim
1	MC2660001-112		Elevator Trim
1	MC2660001-149		Elevator Trim
1	MC2660001-150		Elevator Trim
2	MCS2295-25-87		Chain Elevator Trim
1	MCS2295-25-101		Chain Elevator Trim Note 2
1	MCS2295-25-247		Chain Elevator Trim
8	MCS2294-25		Chain Connecting Link
Elevator Cable Kit P/N CCKT-51-ELE			
1	MC2660001-100		Elevator
1	MC2660001-102		Elevator
1	MC2660001-153		Elevator
1	MC2660001-147		Elevator
1	MC2660001-109		Elevator Trim
1	MC2660001-110		Elevator Trim
1	MC2660001-112		Elevator Trim
1	MC2660001-149		Elevator Trim
1	MC2660001-150		Elevator Trim
2	MCS2295-25-87		Chain Elevator Trim
1	MCS2295-25-247		Chain Elevator Trim
6	MCS2294-25		Chain Connecting Link
Elevator Cable Kit P/N CCKT-52-ELE			
1	MC2660001-100		Elevator
1	MC2660001-102		Elevator
1	MC2660001-153		Elevator
1	MC2660001-147		Elevator
1	MC2660001-109		Elevator Trim
1	MC2660001-110		Elevator Trim
1	MC2660001-112		Elevator Trim
1	MC2660001-149		Elevator Trim
1	MC2660001-150		Elevator Trim
2	MCS2295-25-87		Chain Elevator Trim
1	MCS2295-25-107		Chain Elevator Trim Note 2
1	MCS2295-25-247		Chain Elevator Trim
7	MCS2294-25		Chain Connecting Link
Rudder Cable Kit P/N CCKT-26-RUD			
1	MC2660001-148		Rudder
1	MC2660001-154		Rudder
1	MC2660001-104 Note 1		Rudder
1	MC2660001-107		Rudder

Note 1: S/N 208B0001 thru 208B2012, 208B2036, and 208B2048 thru 208B9999
Note 2: When equipped with electric trim
Note 3: S/N 208B2000 thru 208B9999
Note 4: When equipped with pitch trim servo

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210, 210A 1960-1961
S/N 57001 thru 21057840
Complete Cable Kit P/N CCKT210-01G (Galvanized)
Complete Cable Kit P/N CCKT210-01S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-62*

Qty	P/N	Galv or SS	Location
1	MC1260105-13 or 113		Park Brake
Aileron Cable Kit			
P/N CCKT-39G-AIL or CCKT-39S-AIL			
4	MC1260105-1 2		Aileron Control Tee
2	MC1260105-3 or 103		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-53G-ELE or CCKT-53S-ELE			
1	MC1260105-5 or 105		Elevator Up
1	MC1260105-6 or 106		Elevator Down
1	MC1260105-12 or 112		Elevator Down Spring
1	MC1260105-4 or 104		Elevator Trim Forward LH
1	MC1260105-14 or 114		Elevator Trim Aft LH
1	MC1260105-15 or 115		Elevator Trim Forward RH
1	MC1260105-16 or 116		Elevator Trim Aft RH
1	MCS2295P25-321		Chain Elevator Trim Forward
1	MCS2295P25-113		Chain Elevator Trim Aft
4	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-17G-FLP or CCKT-17S-FLP			
2	MC1260105-10 or 110		Flap
2	MC1260105-11 or 111		Flap
Rudder Cable Kit			
P/N CCKT-27G-RUD or CCKT-27S-RUD			
1	MC1260105-8 or 108		Rudder RH Forward
1	MC1260105-9 or 109		Rudder Aft LH
1	MC1260105-17 or 117		Rudder Aft RH
1	MC1260105-7 or 107		Rudder LH Forward

210B 1962
S/N 21057841 thru 21058085
Complete Cable Kit P/N CCKT210-02G (Galvanized)
Complete Cable Kit P/N CCKT210-02S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-63*

Qty	P/N	Galv or SS	Location
1	MC1260505-1 6		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-30G-AIL or CCKT-30S-AIL			
2	MC1260505-3 or 103		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-54G-ELE or CCKT-54S-ELE			
1	MC1260105-9 or 109		Elevator Down
1	MC1260505-10 or 110		Elevator Up
1	MC1260505-2 or 102		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Low
1	MCS2295P25-155		Chain Elevator Trim Fwd Up
1	MC1260505-5 or 105		Elevator Trim Forward RH
1	MC1260505-6 or 106		Elevator Trim Forward LH
1	MC1260505-7 or 107		Elevator Trim Aft RH
1	MC1260505-8 or 108		Elevator Trim Aft LH
1	MCS2295P25-113		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-18G-FLP or CCKT-18S-FLP			
2	MC1260505-14 or 114		Flap
2	MC1260505-4 or 104		Flap

Notes:
2 Included in both galvanized and stainless kits.
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

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Continued from previous column

Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH

210C 1963
S/N 21058086 thru 21058220
Complete Cable Kit P/N CCKT210-03G (Galvanized)
Complete Cable Kit P/N CCKT210-03S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-63*

Qty	P/N	Galv or SS	Location
1	MC1260505-1 2		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-30G-AIL or CCKT-30S-AIL			
2	MC1260505-3 or 103		Aileron Direct
1	MC0510105-13 or 113		Aileron Carry Thru
4	MC0422280		Bellcrank Aileron Bushing
Elevator Cable Kit			
P/N CCKT-55G-ELE or CCKT-55S-ELE			
1	MC1260105-9 or 109		Elevator Down
1	MC1260505-10 or 110		Elevator Up
1	MC1260505-2 or 102		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Low
1	MCS2295P25-155		Chain Elevator Trim Fwd Up
1	MC1260505-22 or 122		Elevator Trim Forward RH
1	MC1260505-6 or 106		Elevator Trim Forward LH
1	MC1260505-20 or 120		Elevator Trim Aft RH
1	MC1260505-8 or 108		Elevator Trim Aft LH
1	MCS2295P25-113		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-18G-FLP or CCKT-18S-FLP			
2	MC1260505-14 or 114		Flap
2	MC1260505-4 or 104		Flap
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH

210D,E,F, T210F 1964-1966
S/N 21058221 thru 21058818, T210-0001 thru T210-0197
Complete Cable Kit P/N CCKT210-04G (Galvanized)
Complete Cable Kit P/N CCKT210-04S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-64*

Qty	P/N	Galv or SS	Location
1	MC1260505-1 2		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-31G-AIL or CCKT-31S-AIL			
2	MC1260505-25 or 125		Aileron Direct Inboard
2	MC1260505-26 or 126		Aileron Direct Outboard
1	MC1260505-23 or 123		Aileron Carry Thru LH
1	MC1260505-27 or 127		Aileron Carry Thru RH
Elevator Cable Kit			
P/N CCKT-56G-ELE or CCKT-56S-ELE			
1	MC1260505-32 or 132		Elevator Down
1	MC1260505-33 or 133		Elevator Up
1	MC1260505-31 or 131		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Low
1	MCS2295P25-155		Chain Elevator Trim Fwd Up
1	MC1260505-22 or 122		Elevator Trim Forward RH
1	MC1260505-6 or 106		Elevator Trim Forward LH
1	MC1260505-20 or 120		Elevator Trim Aft RH
1	MC1260505-8 or 108		Elevator Trim Aft LH
1	MCS2295P25-113		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link

Notes:
2 Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-12G-FLP or CCKT-12S-FLP			
1	MC0510105-93 or 1936		Flap Retract
1	MC0510105-94 or 1946		Flap Retract
1	MC0510105-91 or 191		Flap Direct LH
1	MC0510105-92 or 192		Flap Direct RH
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210G1, T210G1 1967[1]			
S/N 21058819 thru 21058829, T210-0198 thru T210-0240			
Complete Cable Kit P/N CCKT210-05G (Galvanized)			
Complete Cable Kit P/N CCKT210-05S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-65*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-40G-AIL or CCKT-40S-AIL			
1	MC1260078-3 or 103		Aileron Yoke RH
1	MC1260078-2 or 102		Aileron Yoke LH
1	MC120905-3[6]		Aileron Yoke Carry Thru
2	MC1260078-4 or 104		Aileron Direct
2	MC1260505-40 or 140		Aileron Direct
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-57G-ELE or CCKT-57S-ELE			
1	MC1260505-32 or 132		Elevator Down
1	MC1260505-33 or 133		Elevator Up
1	MCS2295A25-111		Chain Elevator Trim Fwd Low
1	MCS2295P25-159		Chain Elevator Trim Fwd Up
1	MC1260505-22 or 122		Elevator Trim Forward RH
1	MC1260505-35 or 135		Elevator Trim Forward LH
1	MC1260505-45 or 145		Elevator Trim Aft RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MCS2295-25-43		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-19G-FLP or CCKT-19S-FLP			
1	MC1260505-49 or 149		Flap Down LH Actuator to Trnbkl
1	MC1260505-51 or 151		Flap Down RH Actuator to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bell/Tnbkl
2	MC1260505-48 or 148		Flap Up LH/RH Bell/Tnbkl
1	MC1260505-50 or 150		Flap Up LH Trnbkl to Actuator
1	MC1260505-52 or 152		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210G1, T210G1 1967[1]			
S/N 21058830 thru 21058936, T210-0241 thru T210-0307			
Complete Cable Kit P/N CCKT210-06G (Galvanized)			
Complete Cable Kit P/N CCKT210-06S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-65*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube

(kit components continue in next column)

Notes:
1 Partial model eligibility
6 Due to inconsistency in OEM parts these flap cables should be replaced at the same time.

Continued on next column

Continued from previous column

Qty	P/N	Galv or SS	Location
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-57G-ELE or CCKT-57S-ELE			
1	MC1260505-32 or 132		Elevator Down
1	MC1260505-33 or 133		Elevator Up
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260505-22 or 122		Elevator Trim Forward RH
1	MC1260505-35 or 135		Elevator Trim Forward LH
1	MC1260505-45 or 145		Elevator Trim Aft RH
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MCS2295-25-43		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-19G-FLP or CCKT-19S-FLP			
1	MC1260505-49 or 149		Flap Down LH Actuator to Trnbkl
1	MC1260505-51 or 151		Flap Down RH Actuator to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bell/Tnbkl
2	MC1260505-48 or 148		Flap Up LH/RH Bell/Tnbkl
1	MC1260505-50 or 150		Flap Up LH Trnbkl to Actuator
1	MC1260505-52 or 152		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210H1, T210H1 1968[1]			
Serial 21058937 thru 21059030, T210-0308 thru T210-0378			
Complete Cable Kit P/N CCKT210-07G (Galvanized)			
Complete Cable Kit P/N CCKT210-07S (Stainless Steel)			
Complete Cable Kit P/N CCKT210-07GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT210-07SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-66*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit *(continued on next page)*			
P/N CCKT-57G-ELE or CCKT-57S-ELE			
P/N CCKT-58GE-ELE or CCKT-58SE-ELE (Electric Trim)			
1	MC1260505-32 or 132		Elevator Down
1	MC1260505-33 or 133		Elevator Up
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260505-22 or 122		Elevator Trim Forward RH[8]
1	MC1260505-35 or 135		Elevator Trim Forward LH[8]
1	MC1260505-45 or 145		Elevator Trim Aft RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH

Notes:
1 Partial model eligibility

Continued on next page

Continued from previous page

Qty	P/N	Galv or SS	Location
Elevator Cable Kit *(continued from previous page)*			
P/N CCKT-57G-ELE or CCKT-57S-ELE			
P/N CCKT-58GE-ELE or CCKT-58SE-ELE (Electric Trim)			
1	MCS2295-25-43		Chain Elevator Trim Actuator
1	MC1260505-56 or 156		Elevator Aft RH[9]
1	MC1260505-62 or 162		Electric Trim Forward RH[9]
1	MC1260505-61 or 161		Electric Trim Forward LH[9]
1	MC1260505-167[6]		Electric Trim Cen. LH SS[9]
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-19G-FLP or CCKT-19S-FLP			
1	MC1260505-49 or 149		Flap Down LH Actuator to Trnbkl
1	MC1260505-51 or 151		Flap Down RH Actuator to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bell/Turnbuckle
2	MC1260505-48 or 148		Flap Up Bellcrank to Turnbuckle
1	MC1260505-50 or 150		Flap Up LH Trnbkl to Actuator
1	MC1260505-52 or 152		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210H[1], T210H[1] 1968[1]			
S/N 21059031 thru 21059061, T210-0379 thru T210-0392			
Complete Cable Kit P/N CCKT210-08G (Galvanized)			
Complete Cable Kit P/N CCKT210-08S (Stainless Steel)			
Complete Cable Kit P/N CCKT210-08GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT210-08SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-67*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-57G-ELE or CCKT-57S-ELE			
P/N CCKT-58GE-ELE or CCKT-58SE-ELE (Electric Trim)			
1	MC1260505-32 or 132		Elevator Down
1	MC1260505-33 or 133		Elevator Up
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260505-22 or 122		Elevator Trim Forward RH[8]
1	MC1260505-35 or 135		Elevator Trim Forward LH[8]
1	MC1260505-45 or 145		Elevator Trim Aft RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MCS2295-25-43		Chain Elevator Trim Actuator
1	MC1260505-56 or 156		Elevator Aft RH[9]
1	MC1260505-62 or 162		Electric Trim Forward RH[9]
1	MC1260505-61 or 161		Electric Trim Forward LH[9]
1	MC1260505-167[2]		Electric Trim Center LH SS[9]
6	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[6] Due to inconsistency in OEM parts these flap cables should be replaced at the same time.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only

Continued on next column

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210J[1], T210J[1] 1969[1]			
S/N 21059062 thru 21059100, T210-0393 thru T210-0407			
Complete Cable Kit P/N CCKT210-09G (Galvanized)			
Complete Cable Kit P/N CCKT210-09S (Stainless Steel)			
Complete Cable Kit P/N CCKT210-09GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT210-09SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-68*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
2	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Aileron/Rud Int Up with Tube
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-57G-ELE or CCKT-57S-ELE			
P/N CCKT-58GE-ELE or CCKT-58SE-ELE (Electric Trim)			
1	MC1260505-32 or 132		Elevator Down
1	MC1260505-33 or 133		Elevator Up
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260505-22 or 122		Elevator Trim Forward RH[8]
1	MC1260505-35 or 135		Elevator Trim Forward LH[8]
1	MC1260505-45 or 145		Elevator Trim Aft RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MCS2295-25-43		Chain Elevator Trim Actuator
1	MC1260505-56 or 156		Elevator Aft RH[9]
1	MC1260505-62 or 162		Electric Trim Forward RH[9]
1	MC1260505-61 or 161		Electric Trim Forward LH[9]
1	MC1260505-167[2]		Electric Trim Cen. LH SS[9]
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flp Up Bellcrank to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210J[1], T210J[1] 1969[1]			
S/N 21059101 thru 21059199, T210-0408 thru T210-0454			
Complete Cable Kit P/N CCKT210-10G (Galvanized)			
Complete Cable Kit P/N CCKT210-10S (Stainless Steel)			
Complete Cable Kit P/N CCKT210-10GE (Galv. Elec. Trim)			
Complete Cable Kit P/N CCKT210-10SE (SS Electric Trim)			
Complete Pulley Kit P/N PULL-KT-68*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
2	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
Elevator Cable Kit			
P/N CCKT-57G-ELE or CCKT-57S-ELE			
P/N CCKT-59GE-ELE or CCKT-59SE-ELE (Electric Trim)			
1	MC1260505-32 or 132		Elevator Down
1	MC1260505-33 or 133		Elevator Up
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260505-22 or 122		Elevator Trim Forward RH[8]
1	MC1260505-35 or 135		Elevator Trim Forward LH[8]
1	MC1260505-45 or 145		Elevator Trim Aft RH[8]
1	MC1260505-46 or 146		Elevator Trim Aft LH
1	MCS2295-25-43		Chain Elev Trim Actuator
1	MC1260505-56 or 156		Elevator Aft RH[9]
1	MC1260505-62 or 162		Electric Trim Forward RH[9]
1	MC1260505-61 or 161		Electric Trim Forward LH [9]
1	MC1260204-1[2]		Elevator Trim Cen. LH SS[9]
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-28G-RUD or CCKT-28S-RUD			
1	MC1260505-15 or 115		Rudder Forward LH
1	MC1260505-11 or 111		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.
[8] Included in kits for manual trim aircraft only
[9] Included in kits for electric trim aircraft only

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Qty	P/N	Galv or SS	Location
210K[1], T210K[1] 1970[1]			
S/N 21059200 thru 21059323			
Complete Cable Kit P/N CCKT210-11G (Galvanized)			
Complete Cable Kit P/N CCKT210-11S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-69*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-60G-ELE or CCKT-60S-ELE			
1	MC1260475-7 or 107		Elevator Up
1	MC1260475-8 or 108		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
1	MC1260660-3[2]		Elevator Trim Electric Drive
1	MCS2295P25-55		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Turnbuckle
2	MC1260505-47 or 147		Flap Down Bellcrank to Trnbkl
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210K[1], T210K[1] 1970[1]-1971[1]			
S/N 21059324 thru 21059465			
Complete Cable Kit P/N CCKT210-12G (Galvanized)			
Complete Cable Kit P/N CCKT210-12S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-69*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-1 or 101		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit *(continued on next page)*			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-9 or 109		Aileron Direct Yoke

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Continued from previous page

Qty	P/N	Galv or SS	Location
Aileron Cable Kit *(continued from previous page)*			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-60G-ELE or CCKT-60S-ELE			
1	MC1260475-7 or 107		Elevator Up
1	MC1260475-8 or 108		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
1	MC1260660-3 [2]		Elevator Trim Elec Drive
1	MCS2295P25-55		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrk to Turnbuckle
2	MC1260505-47 or 147		Flap Down Bellcrank to Trnbkl
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210K[1],L[1], T210K[1],L[1] 1971[1]-1972[1]			
S/N 21059466 thru 21059555			
Complete Cable Kit P/N CCKT210-13G (Galvanized)			
Complete Cable Kit P/N CCKT210-13S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-69*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-1 or 2		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260208-1 [2]		Aileron/Rudder Int Lower
1	MC1260505-174 [2]		Aileron/Rudder Int Upper
1	MC1260505-187 [2]		Ail/Rud Int Upper w/Tube
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-60G-ELE or CCKT-60S-ELE			
1	MC1260475-7 or 107		Elevator Up
1	MC1260475-8 or 108		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
1	MC1260660-3 [2]		Elevator Trim Electric Drive
1	MCS2295P25-55		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrk to Trnbkle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210L[1], T210L[1] 1972[1]-1973			
S/N 21059556 thru 21060089			
Complete Cable Kit P/N CCKT210-14G (Galvanized)			
Complete Cable Kit P/N CCKT210-14S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-69*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260208-1 [2]		Aileron/Rudder Int Lower
1	MC1260505-174 [2]		Aileron/Rudder Int Upper
1	MC1260505-187 [2]		Ail/Rud Int Upper w/Tube
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-60G-ELE or CCKT-60S-ELE			
1	MC1260475-7 or 107		Elevator Up
1	MC1260475-8 or 108		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
1	MC1260660-3 [2]		Elevator Trim Electric Drive
1	MCS2295P25-55		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrk to Trnbkle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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210L[1],M[1], T210L[1],M[1] 1974-1977
S/N 21060090 thru 21062273
Complete Cable Kit P/N CCKT210-15G (Galvanized)
Complete Cable Kit P/N CCKT210-15S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-71*

Qty	P/N	Galv or SS	Location
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-41G-AIL or CCKT-41S-AIL			
1	MC1260078-8 or 108		Aileron Yoke RH
1	MC1260078-7 or 107		Aileron Yoke LH
1	MC1260078-5 or 105		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-9 or 109		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-38 or 138		Aileron Return LH
1	MC1260505-39 or 139		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-60G-ELE or CCKT-60S-ELE			
1	MC1260475-7 or 107		Elevator Up
1	MC1260475-8 or 108		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
1	MCS2295P25-55		Chain Elev Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrk to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH

210M[1],N[1], T210,M[1],N[1] 1978-1980[1]
S/N 21062274 thru 21064084
Complete Cable Kit P/N CCKT210-16G (Galvanized)
Complete Cable Kit P/N CCKT210-16S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-71*

Qty	P/N	Galv or SS	Location
1	MC1260505-97 or 197		Park Brake
1	MC1260417-6 or 7		Park Brake Cable & Tube
Aileron Cable Kit			
P/N CCKT-42G-AIL or CCKT-42S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-13 or 113		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH

210N[1], T210N[1] 1980[1]
S/N 21064085 thru 21064135
Complete Cable Kit P/N CCKT210-17G (Galvanized)
Complete Cable Kit P/N CCKT210-17S (Stainless Steel)
Complete Pulley Kit P/N PULL-KT-71*

Qty	P/N	Galv or SS	Location
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit			
P/N CCKT-42G-AIL or CCKT-42S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-13 or 113		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrk to Turnbuckle
2	MC1260505-47 or 147		Flap Down Bellcrk to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210N[1], T210N[1] 1981[1] S/N 21064136 thru 21064185 Complete Cable Kit P/N CCKT210-18G (Galvanized) Complete Cable Kit P/N CCKT210-18S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-77*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260417-6 or 7		Park Brake Cable & Tube
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit P/N CCKT-42G-AIL or CCKT-42S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-13 or 113		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH
Elevator Cable Kit P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrk to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210N[1], T210N[1] 1981[1]-1982 S/N 21064186 thru 21064772 Complete Cable Kit P/N CCKT210-19G (Galvanized) Complete Cable Kit P/N CCKT210-19S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-77*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260417-6 or 7		Park Brake Cable & Tube
1	MC1260505-317 or 417		Park Brake

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N CCKT-42G-AIL or CCKT-42S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-13 or 113		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH
Elevator Cable Kit P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit P/N CCKT-30G-RUD or CCKT-30S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-319 or 419		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210N[1], T210N[1] 1983-1984 S/N 21064773 thru 21064897 Complete Cable Kit P/N CCKT210-20G (Galvanized) Complete Cable Kit P/N CCKT210-20S (Stainless Steel) Complete Pulley Kit P/N PULL-KT-77*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260417-6 or 7		Park Brake Cable & Tube
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit P/N CCKT-43G-AIL or CCKT-43S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-14 or 114		Aileron Direct Yoke
2	MC1260505-321 or 421		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Elevator Cable Kit			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-30G-RUD or CCKT-30S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-319 or 419		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
210R, T210R 1985-1986			
S/N 21064898 thru 2165009			
Complete Cable Kit P/N CCKT210-21G (Galvanized)			
Complete Cable Kit P/N CCKT210-21S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-78*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260417-6 or 7		Park Brake Cable & Tube
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit			
P/N CCKT-44G-AIL or CCKT-44S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260078-14 or 114		Aileron Yoke Direct
2	MC1260505-321 or 421		Aileron Direct Bellcrank
1	MC1260505-323 or 423		Aileron Return LH
1	MC1260505-322 or 422		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-62G-ELE or CCKT-62S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MCS2295P25-59		Chain Elevator Trim Actuator
1	MC1260505-325 or 425		Elevator Trim Aft LH
1	MC1260505-326 or 426		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Turnbuckle
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator

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Continued from previous column

Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-31G-RUD or CCKT-31S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-329 or 429		Rudder Aft LH
1	MC1260505-330 or 430		Rudder Aft RH
P210N[1] 1978-1980[1]			
S/N P21000001 thru P21000553			
Complete Cable Kit P/N CCKTP210-01G (Galvanized)			
Complete Cable Kit P/N CCKTP210-01S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-81*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-97 or 197		Park Brake
Aileron Cable Kit			
P/N CCKT-42G-AIL or CCKT-42S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-13 or 113		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Actuator
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Actuator
2	MC1260505-48 or 148		Flap Up Bellcrank to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
P210N[1] 1980[1]-1981[1]			
S/N P21000554 thru P21000622			
Complete Cable Kit P/N CCKTP210-02G (Galvanized)			
Complete Cable Kit P/N CCKTP210-02S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-81*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit *(continued on next page)*			
P/N CCKT-42G-AIL or CCKT-42S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower

Notes:

[1] Partial model eligibility

[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit *(continued from previous page)*			
P/N CCKT-42G-AIL or CCKT-42S-AIL			
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-13 or 113		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Act
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Act
2	MC1260505-48 or 148		Flap Up Bellcrank to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-29G-RUD or CCKT-29S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-13 or 113		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
P210N[1] 1981[1]-1982[1]			
S/N P21000623 thru P21000797			
Complete Cable Kit P/N CCKTP210-03G (Galvanized)			
Complete Cable Kit P/N CCKTP210-03S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-81*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit			
P/N CCKT-43G-AIL or CCKT-43S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-13 or 113		Aileron Direct Yoke
2	MC1260505-40 or 140		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH
Elevator Cable Kit *(continued on next column)*			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Continued from previous column

Qty	P/N	Galv or SS	Location
Elevator Cable Kit *(continued from previous column)*			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MCS2295P25-55		Chain Elevator Trim Actuator
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Act
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Act
2	MC1260505-48 or 148		Flp Up Bellcrank to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator
Rudder Cable Kit			
P/N CCKT-30G-RUD or CCKT-30S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-319 or 419		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
P210N[1] 1982[1]-1986			
S/N P21000798 thru P21000834			
Complete Cable Kit P/N CCKTP210-04G (Galvanized)			
Complete Cable Kit P/N CCKTP210-04S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-81*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit			
P/N CCKT-43G-AIL or CCKT-43S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1[2]		Aileron/Rudder Int Lower
1	MC1260505-174[2]		Aileron/Rudder Int Upper
1	MC1260505-187[2]		Ail/Rud Int Upper w/Tube
2	MC1260078-14 or 114		Aileron Direct Yoke
2	MC1260505-321 or 421		Aileron Direct Bellcrank
1	MC1260505-314 or 414		Aileron Return LH
1	MC1260505-315 or 415		Aileron Return RH
Elevator Cable Kit			
P/N CCKT-61G-ELE or CCKT-61S-ELE			
1	MC1260475-12 or 112		Elevator Up
1	MC1260475-13 or 113		Elevator Down
1	MC1260505-96 or 196		Elevator Down Spring
1	MCS2295A25-111		Chain Elevator Trim Fwd Up
1	MCS2295P25-159		Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101		Elevator Trim Forward LH
1	MC1260475-2 or 102		Elevator Trim Forward RH
1	MCS2295P25-55		Chain Elevator Trim Actuator
1	MC1260475-9 or 109		Elevator Trim Aft LH
1	MC1260475-10 or 110		Elevator Trim Aft RH
6	MCS2294-25		Chain Connecting Link
Flap Cable Kit			
P/N CCKT-20G-FLP or CCKT-20S-FLP			
1	MC1260505-73 or 173		Flap Down LH Trnbkl to Act
1	MC1260505-71 or 171		Flap Down RH Trnbkl to Act
2	MC1260505-48 or 148		Flap Up Bellcrank to Trnbkl
2	MC1260505-47 or 147		Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-70 or 170		Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172		Flap Up RH Trnbkl to Actuator

Notes:
[1] Partial model eligibility
[2] Included in both galvanized and stainless kits.

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit			
P/N CCKT-30G-RUD or CCKT-30S-RUD			
1	MC1260475-5 or 105		Rudder Forward LH
1	MC1260475-6 or 106		Rudder Forward RH
1	MC1260505-319 or 419		Rudder Aft LH
1	MC1260505-12 or 112		Rudder Aft RH
P210R 1985-1986			
S/N P21000835 thru P21000874			
Complete Cable Kit P/N CCKTP210-05G (Galvanized)			
Complete Cable Kit P/N CCKTP210-05S (Stainless Steel)			
Complete Pulley Kit P/N PULL-KT-82*			
Qty	**P/N**	**Galv or SS**	**Location**
1	MC1260505-317 or 417		Park Brake
Aileron Cable Kit			
P/N CCKT-44G-AIL or CCKT-44S-AIL			
1	MC1260078-11 or 111		Aileron Yoke LH
1	MC1260078-12 or 112		Aileron Yoke RH
1	MC1260078-10 or 110		Aileron Yoke Carry Thru
2	MC1260208-1 [2]		Aileron/Rudder Int Lower
1	MC1260505-174 [2]		Aileron/Rudder Int Upper
1	MC1260505-187 [2]		Ail/Rud Int Upper w/Tube
2	MC1260078-14 or 114		Aileron Direct Yoke
2	MC1260505-321 or 421		Aileron Direct Bellcrank
1	MC1260505-323 or 423		Aileron Return LH
1	MC1260505-322 or 422		Aileron Return RH

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Elevator Cable Kit		
P/N CCKT-61G-ELE or CCKT-61S-ELE		
1	MC1260475-12 or 112	Elevator Up
1	MC1260475-13 or 113	Elevator Down
1	MCS2295A25-111	Chain Elevator Trim Fwd Up
1	MCS2295P25-159	Chain Elevator Trim Fwd Low
1	MC1260475-1 or 101	Elevator Trim Forward LH
1	MC1260475-2 or 102	Elevator Trim Forward RH
1	MCS2295P25-59	Chain Elevator Trim Actuator
1	MC1260505-325 or 425	Elevator Trim Aft LH
1	MC1260505-326 or 426	Elevator Trim Aft RH
6	MCS2294-25	Chain Connecting Link
Flap Cable Kit		
P/N CCKT-20G-FLP or CCKT-20S-FLP		
1	MC1260505-73 or 173	Flap Down LH Trnbkl to Actuator
2	MC1260505-48 or 148	Flap Up Bellcrank to Trnbkl
2	MC1260505-47 or 147	Flap Down LH/RH Bellcrank to Turnbuckle
1	MC1260505-71 or 171	Flap Down RH Trnbkl to Actuator
1	MC1260505-70 or 170	Flap Up LH Trnbkl to Actuator
1	MC1260505-72 or 172	Flap Up RH Trnbkl to Actuator
Rudder Cable Kit		
P/N CCKT-31G-RUD or CCKT-31S-RUD		
1	MC1260475-5 or 105	Rudder Forward LH
1	MC1260475-6 or 106	Rudder Forward RH
1	MC1260505-329 or 429	Rudder Aft LH
1	MC1260505-330 or 430	Rudder Aft RH

Notes:
[2] Included in both galvanized and stainless kits.

Adjustable Elevator Neutral Rigging Tool for Cessna Aircraft

Save time, you'll always have the correct tool!
P/N TOOL126

Proper elevator rigging is necessary for full range of motion and maneuverability of the airplane. Many Cessna maintenance manuals require the fabrication of a tool to hold the yoke in the neutral position while the mechanic rigs the elevator control system. These tools utilize the holes for the control gust lock. At least 17 different sizes of rigging tools are required to cover the various Cessna aircraft. Now there is one tool to replace them all.

Our Elevator Neutral Rigging Tool is adjustable from 0.4" to 2.5" and universal in design, consisting of six different pin sizes to fit your application. This tool may also be used to properly rig other makes of aircraft with similar elevator neutral rigging requirements.



Features and Benefits

- Replaces 17 costly tools
- Quick setup and adjustment
- Simple to use instructions
- Includes compact storage box
- Replacement parts available separately
- Stainless steel components

Note:
Refer to your Cessna maintenance manual to determine if your model requires the use of the elevator neutral rigging tool and follow its guidelines for proper pin selection and adjustment guidelines.



Fits most Cessna 150 thru 425 aircraft!

Elevator Neutral Rigging Tool Replacement Parts	
Part Number	**Description**
6409	0.050"/1.3mm Hex Wrench
6870	Square Nut
6868-4	Pin, 0.188, Short
6868-3	Pin, 0.188, Long
6868-1	Pin, 0.209, Short
6868-2	Pin, 0.209, Long
6869-1	Pin, 0.250, Short
6869-2	Pin, 0.250, Long

PA28-140
S/N 28-20002 thru 28-20656
Complete Kit P/N PCKT140-01

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-032	Stabilator Trim
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-140
S/N 28-20002 thru 28-20656 w/ kit 756-896 or 756-930 installed, 28-20657 thru 28-26956, 28-7125001 thru 28-7225612 with kit 756-896 or kit #756-930 installed
Complete Kit P/N PCKT140-02 (Manual Trim)
Complete Kit P/N PCKT140-05 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-047	Stabilator Trim Aft
1	MC62701-045 [2]	Stabilator Trim Forward (Manual)
1	MC62701-044 [3]	Stabilator Trim Forward (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-140
S/N 28-7325001 thru 28-7625234, 28-7725001 thru 28-7725290
Complete Kit P/N PCKT140-03 (Manual Trim)
Complete Kit P/N PCKT140-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
1	MC62701-016	Stabilator Trim Indicator Aft
2	MC62701-056 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-057 [3]	Stab Trim Fwd LH (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

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PA28-150
S/N 28-1 thru 28-1410
Complete Kit P/N PCKT150-01

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-015	Stabilator Trim Forward
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-150
S/N 28-1 thru 28-2171 with kit #756-896 or kit #756-930 installed
Complete Kit P/N PCKT150-02

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-045	Stabilator Trim Forward
1	MC62701-047	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-150
S/N 28-1411 thru 28-2171
Complete Kit P/N PCKT150-03

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-032	Stabilator Trim
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

Notes:
[1] Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
[2] Included in kits for manual trim aircraft only
[3] Included in kits for electric trim aircraft only
[4] Kits for electric trim aircraft include only one of this part number

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PA28-150
S/N 28-2172 thru 28-4377
Complete Kit P/N PCKT150-04 (Manual Trim)
Complete Kit P/N PCKT150-05 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-047	Stabilator Trim Aft
1	MC62701-045 2	Stab Trim Forward (Manual)
1	MC62701-044 3	Stab Trim Forward (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 1		
1	MC62701-010 1	Stabilator Forward LH
1	MC62701-011 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28-151
S/N 28-7415001 thru 28-7715314
Complete Kit P/N PCKT151-01 (Manual Trim)
Complete Kit P/N PCKT151-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-02-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-122	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-02-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-03 1		
1	MC62701-113 1	Stabilator Forward LH
1	MC62701-114 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28-160
S/N 28-1 thru 28-1410
Complete Kit P/N PCKT160-01

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-015	Stabilator Trim
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 1		
1	MC62701-010 1	Stabilator Forward LH
1	MC62701-011 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

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PA28-160
S/N 28-1 thru 28-2171 with kit 756-896 or kit 756-930 installed
Complete Kit P/N PCKT160-02

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-045	Stabilator Trim Forward
1	MC62701-047	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 1		
1	MC62701-010 1	Stabilator Forward LH
1	MC62701-011 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28-160
S/N 28-1411 thru 28-2171
Complete Kit P/N PCKT160-03

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-032	Stabilator Trim
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 1		
1	MC62701-010 1	Stabilator Forward LH
1	MC62701-011 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28-160
S/N 28-2172 thru 28-4377
Complete Kit P/N PKCT160-04 (Manual Trim)
Complete Kit P/N PKCT160-05 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-045 2	Stab Trim Forward (Manual)
1	MC62701-047	Stabilator Trim Aft
1	MC62701-044 3	Stab Trim Forward (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH

Notes:
1 Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
2 Included in kits for manual trim aircraft only
3 Included in kits for electric trim aircraft only
4 Kits for electric trim aircraft include only one of this part number

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	Part Number	Location
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top
PA28-161 S/N 28-7716002 thru 28-8616057, 2816001 thru 2816065, 2816067 thru 2816119, 2841001 thru 2841365, 2842001 thru 2842999 Complete Kit P/N PCKT161-01 (Manual Trim) Complete Kit P/N PCKT161-02 (Electric Trim)		
Qty	**Part Number**	**Location**
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 [3]	Stab Trim Fwd LH (Electric)
Aileron Cable Kit P/N PCKT-02-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-122	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-02-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-03 [1]		
1	MC62701-113 [1]	Stabilator Forward LH
1	MC62701-114 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top
PA28-180 S/N 28-725 thru 28-1410 Complete Kit P/N PCKT180-01		
Qty	**Part Number**	**Location**
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-015	Stabilator Trim
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top
PA28-180 S/N 28-725 thru 28-2171 with kit 756-896 or kit 756-930 installed Complete Kit P/N PCKT180-02		
Qty	**Part Number**	**Location**
1	MC62701-014	Flap
1	MC62701-016	Stabilator Trim Indicator Aft
1	MC62701-045	Stabilator Trim Forward
1	MC62701-047	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH

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Qty	P/N	Galv or SS	Location
Stabilator Cable Kit P/N PCKT-STAB-01 [1]			
1	MC62701-010 [1]		Stabilator Forward LH
1	MC62701-011 [1]		Stabilator Forward RH
1	MC62701-012 [1]		Stabilator Aft Bottom
1	MC62701-013 [1]		Stabilator Aft Top
PA28-180 S/N 28-1411 thru 28-2171 Complete Kit P/N PCKT180-03			
Qty	**Part Number**		**Location**
1	MC62701-014		Flap
1	MC62701-016		Stabilator Trim Indicator Aft
1	MC62701-032		Stabilator Trim
Aileron Cable Kit P/N PCKT-01-AIL			
2	MC62701-002		Aileron Forward LH and RH
2	MC62701-003		Aileron Wing LH and RH
1	MC62701-004		Aileron Balance LH
1	MC62701-005		Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD			
2	MC62701-006		Rudder Forward LH and RH
2	MC62701-008		Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]			
1	MC62701-010 [1]		Stabilator Forward LH
1	MC62701-011 [1]		Stabilator Forward RH
1	MC62701-012 [1]		Stabilator Aft Bottom
1	MC62701-013 [1]		Stabilator Aft Top
PA28-180 S/N 28-2172 thru 28-4377 Complete Kit P/N PCKT180-04 (Manual Trim) Complete Kit P/N PCKT180-09 (Electric Trim)			
Qty	**Part Number**		**Location**
1	MC62701-014		Flap
1	MC62701-016		Stabilator Indicator Aft
1	MC62701-047		Stabilator Trim Aft
1	MC62701-045 [2]		Stabilator Trim Forward (Manual)
1	MC62701-044 [3]		Stabilator Trim Forward (Electric)
Aileron Cable Kit P/N PCKT-01-AIL			
2	MC62701-002		Aileron Forward LH and RH
2	MC62701-003		Aileron Wing LH and RH
1	MC62701-004		Aileron Balance LH
1	MC62701-005		Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD			
2	MC62701-006		Rudder Forward LH and RH
2	MC62701-008		Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]			
1	MC62701-010 [1]		Stabilator Forward LH
1	MC62701-011 [1]		Stabilator Forward RH
1	MC62701-012 [1]		Stabilator Aft Bottom
1	MC62701-013 [1]		Stabilator Aft Top
PA28-180 S/N 28-4378 thru 28-5869, 28-7105001 thru 28-7205328 Complete Kit P/N PCKT180-05 (Manual Trim) Complete Kit P/N PCKT180-06 (Electric Trim)			
Qty	**Part Number**		**Location**
1	MC62701-014		Flap
1	MC62701-047		Stabilator Trim Aft
2	MC62701-056 [4]		Stab Trim Fwd LH & RH (Manual)
1	MC62701-057 [3]		Stab Trim Forward LH (Electric)

Notes:

[1] Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips

[2] Included in kits for manual trim aircraft only

[3] Included in kits for electric trim aircraft only

[4] Kits for electric trim aircraft include only one of this part number

Piper cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Qty	Part Number	Location
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-180
S/N 28-7305001 thru 28-7505261
Complete Kit P/N PCKT180-07 (Manual Trim)
Complete Kit P/N PCKT180-08 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 [3]	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-03-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-02-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-03 [1]		
1	MC62701-113 [1]	Stabilator Forward LH
1	MC62701-114 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-181
S/N 28-7690001 thru 28-8690062, 2843001 thru 2843999, 2890001 thru 2890231
Complete Kit P/N PCKT181-01 (Manual Trim)
Complete Kit P/N PCKT181-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 [3]	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-02-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-122	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-02-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-03 [1]		
1	MC62701-113 [1]	Stabilator Forward LH
1	MC62701-114 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-201T
S/N 28-7921001 thru 28-7921095
Complete Kit P/N PCKT201T-01 (Manual Trim)
Complete Kit P/N PCKT201T-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 [3]	Stab Trim Forward LH (Electric)

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Qty	Part Number	Location
Aileron Cable Kit P/N PCKT-02-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-122	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-02-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-03 [1]		
1	MC62701-113 [1]	Stabilator Forward LH
1	MC62701-114 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-235
S/N 28-10003 thru 28-10605
Complete Kit P/N PCKT235-01

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Indicator Aft
1	MC62701-032	Stabilator Trim
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

PA28-235
S/N 28-10003 thru 28-10605 with kit 756-896 or 756-930 installed
Complete Kit P/N PCKT235-02

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Indicator Aft
1	MC62701-045	Stabilator Trim Forward (Manual)
1	MC62701-047	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 [1]		
1	MC62701-010 [1]	Stabilator Forward LH
1	MC62701-011 [1]	Stabilator Forward RH
1	MC62701-012 [1]	Stabilator Aft Bottom
1	MC62701-013 [1]	Stabilator Aft Top

Notes:
[1] Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
[2] Included in kits for manual trim aircraft only
[3] Included in kits for electric trim aircraft only
[4] Kits for electric trim aircraft include only one of this part number

All Piper cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

This provides both exceptional wear resistance and corrosion protection for many years.

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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PA28-235
S/N 28-10606 thru 28-10719
Complete Kit P/N PCKT235-03 (Manual Trim)
Complete Kit P/N PCKT235-08 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-016	Stabilator Indicator Aft
1	MC62701-047	Stabilator Trim Aft
1	MC62701-045 2	Stabilator Trim Forward (Manual)
1	MC62701-044 3	Stabilator Trim Forward (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 1		
1	MC62701-010 1	Stabilator Forward LH
1	MC62701-011 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28-235
S/N 28-10720 thru 28-11393, 28-7110001 thru 28-7210033
Complete Kit P/N PCKT235-04 (Manual Trim)
Complete Kit P/N PCKT235-05 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-056 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-057 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-01-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-01 1		
1	MC62701-010 1	Stabilator Forward LH
1	MC62701-011 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28-235
S/N 28-7310001 thru 28-7710089
Complete Kit P/N PCKT235-06 (Manual Trim)
Complete Kit P/N PCKT235-07 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-03-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-02-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-03 1		
1	MC62701-113 1	Stabilator Forward LH
1	MC62701-114 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

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PA28-236
S/N 28-7911001 thru 28-8611008, 2811001 thru 2811050
Complete Kit P/N PCKT236-01 (Manual Trim)
Complete Kit P/N PCKT236-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-02-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-122	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-02-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-03 1		
1	MC62701-113 1	Stabilator Forward LH
1	MC62701-114 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28R-180
S/N 28R-30005 thru 28R-30481, 28R-30483 thru 28R-31279, 28R-7130001 thru 28R-7130019
Complete Kit P/N PCKTR180-01 (Manual Trim)
Complete Kit P/N PCKTR180-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-056 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-057 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-03-RUD		
2	MC62701-006	Rudder Forward LH and RH
2	MC62701-064	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-04 1		
1	MC62701-062 1	Stabilator Fwd LH
1	MC62701-061 1	Stabilator Fwd RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28R-200
S/N 28R-35001 thru 28R-35830, 28R-7135001 thru 28R-7135238
Complete Kit P/N PCKTR200-01 (Manual Trim)
Complete Kit P/N PCKTR200-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-056 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-057 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-01-AIL		
2	MC62701-002	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH

Notes:
1 Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
2 Included in kits for manual trim aircraft only
3 Included in kits for electric trim aircraft only
4 Kits for electric trim aircraft include only one of this part number

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit P/N PCKT-03-RUD			
2	MC62701-006		Rudder Forward LH and RH
2	MC62701-064		Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-04 1			
1	MC62701-062 1		Stabilator Fwd LH
1	MC62701-061 1		Stabilator Fwd RH
1	MC62701-012 1		Stabilator Aft Bottom
1	MC62701-013 1		Stabilator Aft Top

PA28R-200
S/N 28R-7235001 thru 28R-7635545
Complete Kit P/N PCKTR200-03 (Manual Trim)
Complete Kit P/N PCKTR200-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-03-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-004	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-04-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-064	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-05 1		
1	MC62701-103 1	Stabilator Forward LH
1	MC62701-102 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28R-201
S/N 28R-7737002 thru 28R-7837317, 2837001 thru 2837061
Complete Kit P/N PCKTR201-01 (Manual Trim)
Complete Kit P/N PCKTR201-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-04-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-143	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-04-RUD		
2	MC62701-100	Rudder Forward LH and RH
2	MC62701-064	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-05 1		
1	MC62701-103 1	Stabilator Forward LH
1	MC62701-102 1	Stabilator Forward RH
1	MC62701-012 1	Stabilator Aft Bottom
1	MC62701-013 1	Stabilator Aft Top

PA28R-201T
S/N 28R-7703002 thru 28R-7803372, 2803001 thru 2803015
Complete Kit P/N PCKTR201T-01 (Manual Trim)
Complete Kit P/N PCKTR201T-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-104 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-111 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-04-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-143	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH

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Qty	P/N	Galv or SS	Location
Rudder Cable Kit P/N PCKT-04-RUD			
2	MC62701-100		Rudder Forward LH and RH
2	MC62701-064		Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-05 1			
1	MC62701-103 1		Stabilator Forward LH
1	MC62701-102 1		Stabilator Forward RH
1	MC62701-012 1		Stabilator Aft Bottom
1	MC62701-013 1		Stabilator Aft Top

PA28RT-201
S/N 28R-7918001 thru 28R-8218026
Complete Kit P/N PCKTRT201-01 (Manual Trim)
Complete Kit P/N PCKTRT201-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
2	MC62701-189 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-155	Stabilator Trim Aft
1	MC62701-191 3	Stabilator Trim Fwd LH (Electric)
Aileron Cable Kit P/N PCKT-04-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-143	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-05-RUD		
2	MC62701-100	Rudder Forward LH and RH
1	MC62701-168	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-06 1		
1	MC62701-102 1	Stabilator Forward RH
1	MC62701-103 1	Stabilator Forward LH
1	MC62701-169 1	Stabilator Aft Upper
1	MC62701-170 1	Stabilator Aft Lower

PA28RT-201
S/N 28R-7918001 thru 28R-8218026 for aircraft with Altimatic IIIC Autopilot
Complete Kit P/N PCKTRT201-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
2	MC62701-189 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-155	Stabilator Trim Aft
1	MC62701-193	Stab Trim Fwd LH (Autopilots)
Aileron Cable Kit P/N PCKT-04-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-143	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-05-RUD		
2	MC62701-100	Rudder Forward
1	MC62701-168	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-06 1		
1	MC62701-102 1	Stabilator Forward RH
1	MC62701-103 1	Stabilator Forward LH
1	MC62701-169 1	Stabilator Aft Upper
1	MC62701-170 1	Stabilator Aft Lower

Notes:
1 Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
2 Included in kits for manual trim aircraft only
3 Included in kits for electric trim aircraft only
4 Kits for electric trim aircraft include only one of this part number

All Piper cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

This provides both exceptional wear resistance and corrosion protection for many years.

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PA28RT-201T
S/N 28R-7931001 thru 28R-8631005, 2831001 thru 2831038
Complete Kit P/N PCKTRT201T-01 (Manual Trim)
Complete Kit P/N PCKTRT201T-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-155	Stabilator Trim Aft
2	MC62701-189 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-191 3	Stabilator Trim Fwd LH (Electric)
Aileron Cable Kit P/N PCKT-04-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-143	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-05-RUD		
2	MC62701-100	Rudder Forward LH and RH
1	MC62701-168	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-06 1		
1	MC62701-102 1	Stabilator Forward RH
1	MC62701-103 1	Stabilator Forward LH
1	MC62701-169 1	Stabilator Aft Upper
1	MC62701-170 1	Stabilator Aft Lower

PA28RT-201T
S/N 28R-7931001 thru 28R-8631005, 2831001 thru 2831038 for aircraft with Altimatic IIIC Autopilot
Complete Kit P/N PCKTRT201T-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-101	Flap
1	MC62701-189 2	Stab Trim Fwd RH
1	MC62701-155	Stabilator Trim Aft
1	MC62701-193	Stab Trim Fwd LH (Autopilots)
Aileron Cable Kit P/N PCKT-04-AIL		
2	MC62701-099	Aileron Forward LH and RH
2	MC62701-143	Aileron Wing LH and RH
1	MC62701-123	Aileron Balance LH
1	MC62701-124	Aileron Balance RH
Rudder Cable Kit P/N PCKT-05-RUD		
2	MC62701-100	Rudder Forward LH and RH
1	MC62701-168	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-06 1		
1	MC62701-102 1	Stabilator Forward RH
1	MC62701-103 1	Stabilator Forward LH
1	MC62701-169 1	Stabilator Aft Upper
1	MC62701-170 1	Stabilator Aft Lower

PA28S-180
S/N 28S-671 thru 28S-2171
Complete Kit P/N PCKTS180-01

Qty	Part Number	Location
1	MC62701-031	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-05-AIL		
2	MC62701-018	Aileron Wing LH and RH
1	MC62701-019	Aileron Balance LH
1	MC62701-020	Aileron Balance RH
2	MC62701-017	Aileron Forward LH and RH
Rudder Cable Kit P/N PCKT-06-RUD		
2	MC62701-023	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-02 1		
1	MC62701-027 1	Stabilator Aft LH
1	MC62701-028 1	Stabilator Aft RH

PA28S-180
S/N 28S-2172 thru 28S-5869, 28S-7105001 thru 28S-7205234
Complete Kit P/N PCKTS180-02 (Manual Trim)
Complete Kit P/N PCKTS180-03 (Electric Trim)

Qty	Part Number	Location
1	MC62701-031	Stabilator Trim Aft
1	MC62701-046 2	Stab Trim Forward LH (Manual)
1	MC62701-049 3	Stab Trim Forward LH (Electric)

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Qty	P/N	Galv or SS	Location
Aileron Cable Kit P/N PCKT-05-AIL			
2	MC62701-018		Aileron Wing LH and RH
1	MC62701-019		Aileron Balance LH
1	MC62701-020		Aileron Balance RH
2	MC62701-017		Aileron Forward LH and RH
Rudder Cable Kit P/N PCKT-06-RUD			
2	MC62701-023		Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-02 1			
1	MC62701-027 1		Stabilator Aft LH
1	MC62701-028 1		Stabilator Aft RH

PA32-260
S/N 32-1 thru 32-1320, 32-7100001 thru 32-7300076
Complete Kit P/N PCKT260-01 (Manual Trim)
Complete Kit P/N PCKT260-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
2	MC62701-041 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 3	Stab Trim Forward LH (Electric)
1	MC62701-047	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-07-RUD		
2	MC62701-008	Rudder Aft LH and RH
1	MC62701-037	Rudder Forward RH
1	MC62701-038	Rudder Forward LH
Stabilator Cable Kit P/N PCKT-STAB-07 1		
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-012 1	Stabilator Aft LH
1	MC62701-013 1	Stabilator Aft RH

PA32-260
S/N 32-7400001 thru 32-7400061
Complete Kit P/N PCKT260-03 (Manual Trim)
Complete Kit P/N PCKT260-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
2	MC62701-041 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 3	Stab Trim Forward LH (Electric)
1	MC62701-047	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-08-RUD		
1	MC62701-134	Rudder Aft LH
1	MC62701-008	Rudder Aft RH
1	MC62701-037	Rudder Forward RH
1	MC62701-038	Rudder Forward LH
Stabilator Cable Kit P/N PCKT-STAB-07 1		
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-012 1	Stabilator Aft LH
1	MC62701-013 1	Stabilator Aft RH
1	MC62701-040 1	Stabilator Forward LH

Notes:
1 Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
2 Included in kits for manual trim aircraft only
3 Included in kits for electric trim aircraft only
4 Kits for electric trim aircraft include only one of this part number

Piper cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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PA32-260
S/N 32-7500001 thru 32-7800008
Complete Kit P/N PCKT260-05 (Manual Trim)
Complete Kit P/N PCKT260-06 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-008	Rudder Aft LH and RH
2	MC62701-037	Rudder Fwd LH and RH
Stabilator Cable Kit P/N PCKT-STAB-07 1		
1	MC62701-012 1	Stabilator Aft LH
1	MC62701-013 1	Stabilator Aft RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-037 1	Stabilator Fwd RH

PA32-300
S/N 32-40000 thru 32-41018, 32-7140001 thru 32-7340201
Complete Kit P/N PCKT300-01 (Manual Trim)
Complete Kit P/N PCKT300-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 4	Forward Stabilator Trim
1	MC62701-042 3	Electric Trim
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-07-RUD		
2	MC62701-008	Rudder Aft LH and RH
1	MC62701-037	Rudder Forward RH
1	MC62701-038	Rudder Forward LH
Stabilator Cable Kit P/N PCKT-STAB-07 1		
1	MC62701-012 1	Stabilator Aft LH
1	MC62701-013 1	Stabilator Aft RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-037 1	Stabilator Fwd RH

PA32-300
S/N 32-7440001 thru 32-7440182
Complete Kit P/N PCKT300-03 (Manual Trim)
Complete Kit P/N PCKT300-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-08-RUD		
1	MC62701-037	Rudder Fwd RH
1	MC62701-038	Rudder Forward LH
1	MC62701-134	Rudder Aft LH
1	MC62701-008	Rudder Aft RH

Piper cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Qty	Part Number	Location
Stabilator Cable Kit P/N PCKT-STAB-07 1		
1	MC62701-012 1	Stabilator Aft LH
1	MC62701-013 1	Stabilator Aft RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-037 1	Stabilator Fwd RH

PA32-300
S/N 32-7540001 thru 32-7940282
Complete Kit P/N PCKT300-05 (Manual Trim)
Complete Kit P/N PCKT300-06 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-008	Rudder Aft LH and RH
2	MC62701-037	Rudd Fwd LH and RH
Stabilator Cable Kit P/N PCKT-STAB-07 1		
1	MC62701-012 1	Stabilator Aft LH
1	MC62701-013 1	Stabilator Aft RH
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-040 1	Stabilator Forward LH

PA32-301
S/N 32-8006001 thru 32-8606023, 3206001 thru 3206060
Complete Kit P/N PCKT301-01 (Manual Trim)
Complete Kit P/N PCKT301-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 3	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-07-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-202	Aileron Wing LH and RH
1	MC62701-200	Aileron Balance LH
1	MC62701-201	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-008	Rudder Aft LH and RH
2	MC62701-037	Rudd Fwd LH and RH
Stabilator Cable Kit P/N PCKT-STAB-09 1		
1	MC62701-208 1	Stabilator Aft LH
1	MC62701-205 1	Stabilator Aft RH
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-207 1	Stabilator Forward LH

PA32-301
S/N 32-8406001 thru 32-8606023, 3206001 thru 3206060 for aircraft with Century 31 Autopilot
Complete Kit P/N PCKT301-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-041 2	Stab Trim Fwd RH
1	MC62701-047	Stabilator Trim Aft
1	MC62701-135	Stabilator Trim Forward

Notes:
1 Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
2 Included in kits for manual trim aircraft only
3 Included in kits for electric trim aircraft only
4 Kits for electric trim aircraft include only one of this part number

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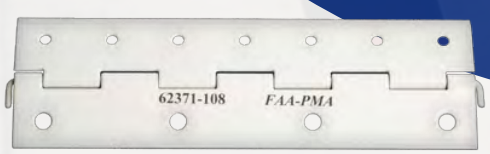


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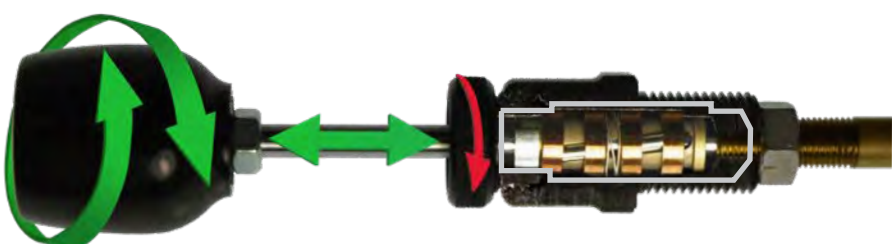
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- **Jam-proof safety**
- **Fine and coarse adjustments**
- **Smooth friction control**
- **Light and compact**

No button. No threads. No jamming.

Continued from previous page

Qty	Part Number	Location
Aileron Cable Kit P/N PCKT-07-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-202	Aileron Wing LH and RH
1	MC62701-200	Aileron Balance LH
1	MC62701-201	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-008	Rudder Aft LH and RH
2	MC62701-037	Rudder Fwd LH and RH
Stabilator Cable Kit P/N PCKT-STAB-09 [1]		
1	MC62701-208 [1]	Stabilator Aft LH
1	MC62701-205 [1]	Stabilator Aft RH
1	MC62701-037 [1]	Stabilator Fwd RH
1	MC62701-207 [1]	Stabilator Forward LH

PA32-301T
S/N 32-8024001 thru 32-8424002
Complete Kit P/N PCKT301T-01 (Manual Trim)
Complete Kit P/N PCKT301T-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 [3]	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-07-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-202	Aileron Wing LH and RH
1	MC62701-200	Aileron Balance LH
1	MC62701-201	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-037	Rudder Fwd LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-09 [1]		
1	MC62701-037 [1]	Stabilator Fwd RH
1	MC62701-207 [1]	Stabilator Forward LH
1	MC62701-208 [1]	Stabilator Aft LH
1	MC62701-205 [1]	Stabilator Aft RH

PA32-301T
S/N S/N 32-8024001 thru 32-8424002 for aircraft with Century 31 Autopilot
Complete Kit P/N PCKT301T-04 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
1	MC62701-041	Stab Trim Fwd RH
1	MC62701-135	Stabilator Trim Fwd LH (Autopilot)
Aileron Cable Kit P/N PCKT-07-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-202	Aileron Wing LH and RH
1	MC62701-200	Aileron Balance LH
1	MC62701-201	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-037	Rudder Fwd LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-09 [1]		
1	MC62701-037 [1]	Stabilator Fwd RH
1	MC62701-207 [1]	Stabilator Forward LH
1	MC62701-208 [1]	Stabilator Aft LH
1	MC62701-205 [1]	Stabilator Aft RH

PA32R-300
S/N 32R-7680001 thru 32R-7880068
Complete Kit P/N PCKTR300-01 (Manual Trim)
Complete Kit P/N PCKTR300-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 [3]	Stab Trim Forward LH (Electric)

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Qty	Part Number	Location
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-037	Rudder Fwd LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-07 [1]		
1	MC62701-012 [1]	Stabilator Aft LH
1	MC62701-013 [1]	Stabilator Aft RH
1	MC62701-040 [1]	Stabilator Forward LH
1	MC62701-037 [1]	Stabilator Fwd RH

PA32R-301
S/N 32R-8013001 thru 32R-8613006, 3213001 thru 3213103
Complete Kit P/N PCKTR301-01 (Manual Trim)
Complete Kit P/N PCKTR301-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 [3]	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-08-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-199	Aileron Wing LH and RH
1	MC62701-200	Aileron Balance LH
1	MC62701-201	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-037	Rudder Fwd LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-09 [1]		
1	MC62701-037 [1]	Stabilator Fwd RH
1	MC62701-207 [1]	Stabilator Forward LH
1	MC62701-205 [1]	Stabilator Aft RH
1	MC62701-208 [1]	Stabilator Aft LH

PA32R-301T
S/N 32R-8029001 thru 32R-8629008, 3229001 thru 3229003
Complete Kit P/N PCKTR301T-01 (Manual Trim)
Complete Kit P/N PCKTR301T-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-047	Stabilator Trim Aft
2	MC62701-041 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-042 [3]	Stab Trim Forward LH (Electric)
Aileron Cable Kit P/N PCKT-08-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-199	Aileron Wing LH and RH
1	MC62701-200	Aileron Balance LH
1	MC62701-201	Aileron Balance RH
Rudder Cable Kit P/N PCKT-09-RUD		
2	MC62701-037	Rudder Fwd LH and RH
2	MC62701-008	Rudder Aft LH and RH
Stabilator Cable Kit P/N PCKT-STAB-09 [1]		
1	MC62701-037 [1]	Stabilator Fwd RH
1	MC62701-207 [1]	Stabilator Forward LH
1	MC62701-205 [1]	Stabilator Aft RH
1	MC62701-208 [1]	Stabilator Aft LH

Notes:
[1] Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
[2] Included in kits for manual trim aircraft only
[3] Included in kits for electric trim aircraft only
[4] Kits for electric trim aircraft include only one of this part number

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PA32RT-300
S/N 32R-7885001 thru 32R-7985125
Complete Kit P/N PCKTRT300-01 (Manual Trim)
Complete Kit P/N PCKTRT300-02 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
2	MC62701-041 4	Stab Trim Fwd LH & RH (Manual)
1	MC62701-137	Stabilator Trim Aft
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-10-RUD		
2	MC62701-037	Rudder Fwd LH and RH
1	MC62701-157	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-10 1		
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-159 1	Stabilator Aft LH
1	MC62701-158 1	Stabilator Aft RH

PA32RT-300
S/N 32R-7885001 thru 32R-7985013 for aircraft with Altimatic IIIC Autopilot
Complete Kit P/N PCKTRT300-05 (Electric Trim)

Qty	Part Number	Location
1	MC62701-014	Flap
1	MC62701-041	Stab Trim Fwd RH
1	MC62701-137	Stabilator Trim Aft
1	MC62701-135	Stab Trim Fwd LH & RH (Autopilot)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-10-RUD		
2	MC62701-037	Rudder Fwd LH and RH
1	MC62701-157	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-10 1		
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-159 1	Stabilator Aft LH
1	MC62701-158 1	Stabilator Aft RH

PA32RT-300
S/N 32R-7985014 thru 32R-7985125 for aircraft with Altimatic IIIC Autopilot
Complete Kit P/N PCKTRT300-06 (Electric Trim)

Qty	Part Number	Location
1	MC62701-041	Stab Trim Fwd RH
2	MC62701-137	Stabilator Trim Aft
1	MC62701-183	Stab Trim Fwd LH & RH (Autopilot)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-10-RUD		
2	MC62701-037	Rudder Fwd LH and RH
1	MC62701-157	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-10 1		
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-159 1	Stabilator Aft LH
1	MC62701-158 1	Stabilator Aft RH

Piper cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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PA32RT-300T
S/N 32R-7887001 thru 32R-7987146
Complete Kit P/N PCKTRT300T-01 (Manual Trim)
Complete Kit P/N PCKTRT300T-02 (Electric Trim)

Qty	Part Number	Location
2	MC62701-041 4	Stab Trim Fwd RH
1	MC62701-137	Stabilator Trim Aft
1	MC62701-042 3	Stabilator Trim Fwd LH (Electric)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-10-RUD		
2	MC62701-037	Rudder Fwd LH and RH
1	MC62701-157	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-10 1		
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-159 1	Stabilator Aft LH
1	MC62701-158 1	Stabilator Aft RH

PA32RT-300T
S/N 32R-7887003, 32R-7887005 thru 32R-7887050 for aircraft with Altimatic IIIC Autopilot, 32R-7887052 thru 32R-7887307, 32R-7987001 thru 32R-7987035
Complete Kit P/N PCKTRT300T-05 (Electric Trim)

Qty	Part Number	Location
1	MC62701-041	Stab Trim Fwd RH
1	MC62701-137	Stabilator Trim Aft
1	MC62701-135	Stab Trim Fwd LH and RH (Autopilot)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-10-RUD		
2	MC62701-037	Rudd Fwd LH and RH
1	MC62701-157	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-10 1		
1	MC62701-037 1	Stabilator Fwd RH
1	MC62701-040 1	Stabilator Forward LH
1	MC62701-159 1	Stabilator Aft LH
1	MC62701-158 1	Stabilator Aft RH

PA32RT-300T
S/N 32R-7987004, 32R-7987051, 32R-7987036 thru 32R-7987146 for aircraft with Altimatic IIIC Autopilot
Complete Kit P/N PCKTRT300T-06 (Electric Trim)

Qty	Part Number	Location
1	MC62701-041	Stab Trim Fwd RH
1	MC62701-137	Stabilator Trim Aft
1	MC62701-183	Stab Trim Fwd LH and RH (Autopilot)
Aileron Cable Kit P/N PCKT-06-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-003	Aileron Wing LH and RH
1	MC62701-048	Aileron Balance LH
1	MC62701-005	Aileron Balance RH
Rudder Cable Kit P/N PCKT-10-RUD		
2	MC62701-037	Rudd Fwd LH and RH
1	MC62701-157	Rudder Aft

Notes:
1 Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips
2 Included in kits for manual trim aircraft only
3 Included in kits for electric trim aircraft only
4 Kits for electric trim aircraft include only one of this part number

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Qty	Part Number	Location
Stabilator Cable Kit P/N PCKT-STAB-10 [1]		
1	MC62701-037 [1]	Stabilator Fwd RH
1	MC62701-040 [1]	Stabilator Forward LH
1	MC62701-159 [1]	Stabilator Aft LH
1	MC62701-158 [1]	Stabilator Aft RH
PA32S-300 S/N 32S-40000 thru 32S-7240147 Complete Kit P/N PCKTS300-01 (Manual Trim) Complete Kit P/N PCKTS300-02 (Electric Trim)		
Qty	**Part Number**	**Location**
1	MC62701-047	Stabilator Trim Aft
2	MC62701-054 [4]	Stab Trim Fwd LH and RH (Manual)
1	MC62701-060 [3]	Stabilator Trim Fwd LH (Electric)
Aileron Cable Kit P/N PCKT-09-AIL		
2	MC62701-050	Aileron Forward LH and RH
2	MC62701-018	Aileron Wing LH and RH
1	MC62701-055	Aileron Balance LH
1	MC62701-020	Aileron Balance RH
Rudder Cable Kit P/N PCKT-11-RUD		
2	MC62701-023	Rudder Aft LH and RH
1	MC62701-051	Rudder Fwd RH
1	MC62701-037	Rudder Forward LH
Stabilator Cable Kit P/N PCKT-STAB-08 [1]		
1	MC62701-027 [1]	Stabilator Aft LH
1	MC62701-028 [1]	Stabilator Aft RH
1	MC62701-053 [1]	Stabilator Forward LH
1	MC62701-051 [1]	Stab Fwd RH
PA34-200 S/N 34-7250001 thru 34-7450220 Complete Kit P/N PCKT200-01 (Manual Trim) Complete Kit P/N PCKT200-05 (Electric Trim)		
Qty	**Part Number**	**Location**
1	MC62701-071	Flap
1	MC62701-073	Stabilator Trim Aft
2	MC62701-077 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-097 [3]	Stab Trim Fwd LH & RH (Autopilot)
2	MC62701-093	Aileron/Rudder Interconnect Aft
2	MC62701-094	Aileron/Rudder Interconnect Fwd
2	MC62701-069	Rudder Trim Fwd
1	MC62701-070	Rudder Trim Aft
Aileron Cable Kit P/N PCKT-10-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-074	Aileron Wing LH and RH
1	MC62701-076	Aileron Balance LH
1	MC62701-075	Aileron Balance RH
Rudder Cable Kit P/N PCKT-12-RUD		
2	MC62701-081	Rudder Forward
1	MC62701-072	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-11 [1]		
1	MC62701-078 [1]	Stabilator Forward LH
1	MC62701-037 [1]	Stabilator Forward RH
1	MC62701-079 [1]	Stabilator Aft Upper
1	MC62701-080 [1]	Stabilator Aft Lower
PA34-200 S/N 34-7250001 thru 34-7450024, 34-7450025 thru 34-7450220 with Altimatic IIIB Autopilot If Kit 760-776 installed Complete Kit P/N PCKT200-10 (Electric Trim)		
Qty	**Part Number**	**Location**
1	MC62701-071	Flap
1	MC62701-077	Stab Trim Fwd RH
1	MC62701-073	Stabilator Trim Aft
1	MC62701-097	Stab Trim Fwd LH (Autopilot)
2	MC62701-093	Aileron/Rudder Interconnect Aft
2	MC62701-094	Aileron/Rudder Interconnect Fwd
2	MC62701-069	Rudder Trim Fwd
1	MC62701-070	Rudder Trim Aft

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Qty	Part Number	Location
Aileron Cable Kit P/N PCKT-11-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-074	Aileron Wing LH and RH
1	MC62701-076	Aileron Balance LH
1	MC62701-075	Aileron Balance RH
2	MC62701-128	Interconnect
Rudder Cable Kit P/N PCKT-12-RUD		
2	MC62701-081	Rudder Forward
1	MC62701-072	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-11 [1]		
1	MC62701-078 [1]	Stabilator Forward LH
1	MC62701-037 [1]	Stabilator Forward RH
1	MC62701-079 [1]	Stabilator Aft Upper
1	MC62701-080 [1]	Stabilator Aft Lower
PA34-200T S/N 34-7570001 - 34-8170092 for aircraft with Altimatic IIIB Autopilot Complete Kit P/N PCKT200T-01 (Manual Trim) Complete Kit P/N PCKT200T-02 (Electric Trim)		
Qty	**Part Number**	**Location**
1	MC62701-071	Flap
1	MC62701-073	Stabilator Trim Aft
2	MC62701-077 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-097 [3]	Stab Trim Fwd LH (Electric) (Autopilot)
2	MC62701-069	Rudder Trim Control Forward
1	MC62701-070	Rudder Trim Control Aft
Aileron Cable Kit P/N PCKT-12-AIL		
2	MC62701-036	Aileron Forward LH and RH
2	MC62701-127	Aileron Wing LH and RH
1	MC62701-125	Aileron Balance LH
1	MC62701-126	Aileron Balance RH
Rudder Cable Kit P/N PCKT-12-RUD		
2	MC62701-081	Rudder Forward
1	MC62701-072	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-12 [1]		
1	MC62701-078 [1]	Stabilator Forward LH
1	MC62701-037 [1]	Stabilator Forward RH
1	MC62701-129 [1]	Stabilator Aft Upper
1	MC62701-080 [1]	Stabilator Aft Lower
PA34-220T S/N 34-8133001 thru 34-8633031, 3433001 thru 3433172, 3447001 thru 3449999 Complete Kit P/N PCKT220T-01		
Qty	**Part Number**	**Location**
1	MC62701-071	Flap
1	MC62701-073	Stabilator Trim Aft
2	MC62701-077 [4]	Stab Trim Fwd LH & RH (Manual)
1	MC62701-097	Stab Trim Fwd LH (Electric) (Autopilot)
2	MC62701-069	Rudder Trim Control Forward
1	MC62701-070	Rudder Trim Control Aft
Aileron Cable Kit P/N PCKT-13-AIL		
2	MC62701-228	Aileron Forward LH and RH
2	MC62701-127	Aileron Wing LH and RH
1	MC62701-125	Aileron Balance LH
1	MC62701-126	Aileron Balance RH
Rudder Cable Kit P/N PCKT-12-RUD		
2	MC62701-081	Rudder Forward
1	MC62701-072	Rudder Aft
Stabilator Cable Kit P/N PCKT-STAB-12 [1]		
1	MC62701-078 [1]	Stabilator Forward LH
1	MC62701-037 [1]	Stabilator Forward RH
1	MC62701-129 [1]	Stabilator Aft Upper
1	MC62701-080 [1]	Stabilator Aft Lower

Notes:

[1] Stabilator Cable Kits to assist with Piper AD2013-02-13 include cables designated with this P/N, plus (2) each MS21251-B5S Barrels and (10) each MS21256-1 Locking Clips

[2] Included in kits for manual trim aircraft only

[3] Included in kits for electric trim aircraft only

[4] Kits for electric trim aircraft include only one of this part number

Models 19, 23 and 24 Musketeer, Sport, Sundowner
A23-19,19A,M19A,B19,23,A23,A23A,B23,C23, A23-24,A24

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-01-AIL		
1	MCNAS31427-1370	Aileron LH
1	MCNAS31426-1170	Aileron RH
2	MCNAS31427-1131	Aileron
Rudder Cable Kit P/N BCKT-09-RUD		
1	MCNAS31425-1220	Rudder Fwd LH
1	MCNAS31424-1242	Rudder Fwd RH
1	MCNAS31424-0934	Rudder Aft LH
1	MCNAS31425-0931	Rudder Aft RH
Stabilator Cable Kit P/N BCKT-01-STB		
1	MCNAS30245-2053	Stabilator Tab
1	MCNAS31424-0870	Stabilator
1	MCNAS31424-1152	Stabilator
1	MCNAS31425-0820	Stabilator
1	MCNAS31425-1411	Stabilator/Elevator Fwd

Model 24 Musketeer, Sierra
A24R,B24R,C24R

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-13-AIL		
2	MCNAS31427-1180	Aileron
1	MCNAS31427-1370	Aileron LH
1	MCNAS31426-1170	Aileron RH
Rudder Cable Kit P/N BCKT-09-RUD		
1	MCNAS31425-1220	Rudder Fwd LH
1	MCNAS31424-1242	Rudder Fwd RH
1	MCNAS31424-0934	Rudder Aft LH
1	MCNAS31425-0931	Rudder Aft RH
Stabilator Cable Kit P/N BCKT-02-STB		
1	MCNAS31424-1340	Stabilator
1	MCNAS31425-0820	Stabilator
1	MCNAS31425-1345	Stabilator
1	MCNAS31424-0870	Stabilator
1	MCNAS30245-2053	Stabilator Tab

Model 33 Debonair and Bonanza
35-33
Complete Kit P/N BCKT33-01

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron
Elevator Cable Kit P/N BCKT-13-ELE		
2	MC33-524000-17	Elevator Fwd
1	MC33-524000-47 2	Elevator Tab
1	MC36-524000-31 2	Elevator Tab LH
1	MC36-524000-29 2	Elevator Tab RH
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0790	Elevator Tab
1	35-524531-2 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-07-RUD		
2	MCNAS30435-1325	Rudder Fwd
2 ***New!***	MC33-524000-31	Rudder Aft

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Model 33 Debonair and Bonanza
35-A33
Complete Kit P/N BCKT33-02

Qty	Part Number	Location
2 ***New!***	MC35-815109	Landing Gear Up Lock
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron
Elevator Cable Kit P/N BCKT-14-ELE		
1	MC33-524000-61	Elevator Down
1	MC36-524000-31 2	Elevator Tab LH
1	MC36-524000-29 2	Elevator Tab RH
1	MCNAS30266-3242	Elevator Tab
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0790	Elevator Tab
1	MCNAS30434-1520	Elevator Up
1	35-524351-2 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-07-RUD		
2	MCNAS30435-1325	Rudder Fwd
2 ***New!***	MC33-524000-31	Rudder Aft

Model 33 Debonair and Bonanza
35-B33, 35-C33, 35-C33A, E33
S/N CD-388 thru CD-1234, Except 982, CE-1 thru CE-27
Complete Kit P/N BCKT33-03

Qty	Part Number	Location
1	35-524647-9 4	Indicator Actuating
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron
Elevator Cable Kit P/N BCKT-19-ELE		
1	MC33-524000-61	Elevator Down
1	MC33-524001-1 2	Elevator Tab
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0790	Elevator Tab
Rudder Cable Kit P/N BCKT-07-RUD		
2	MCNAS30435-1325	Rudder Fwd
2 ***New!***	MC33-524000-31	Rudder Aft
2 ***New!***	MC35-815109	Landing Gear Up Lock

Model 33 Debonair and Bonanza
35-C33A, E33A, F33, F33A, G33
S/N CE-028 thru CE-315, CD-1235 thru CD-1304
Complete Kit P/N BCKT33-04

Qty	Part Number	Location
2 ***New!***	MC35-815109	Landing Gear Up Lock

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron
Elevator Cable Kit P/N BCKT-18-ELE		
1	MC33-524000-61	Elevator Down
1	MC36-524000-31 2	Elevator Tab LH
1	MC36-524000-29 2	Elevator Tab RH
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0790	Elevator Tab
1	MCNAS30434-1520	Elevator Up
1	33-524001-7 4	Elevator Tab
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-07-RUD		
2	MCNAS30435-1325	Rudder Fwd
2 ***New!***	MC33-524000-31	Rudder Aft
Model 33 Debonair and Bonanza E33C S/N CJ-001 thru CJ-025 Complete Kit P/N BCKT33-13		
2 ***New!***	MC35-815109	Landing Gear Up Lock
2	NAS30435-1325 4	Rudder Fwd
2	35-524000-67 4	Ruddder Aft
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron
Elevator Cable Kit P/N BCKT-19-ELE		
1	MC33-524000-61	Elevator Down
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0790	Elevator
1	33-524001-7 4	Elevator Tab Control
1	35-524647-9 4	Indicator Actuating
Model 33 Debonair and Bonanza F33A S/N CE-316 thru CE-510 Complete Kit P/N BCKT33-05		
Qty	**Part Number**	**Location**
2 ***New!***	MC35-815109	Landing Gear Up Lock
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Qty	Part Number	Location
Model 33 Debonair and Bonanza F33A S/N CE-316 thru CE-510 Complete Kit P/N BCKT33-05		
Qty	**Part Number**	**Location**
Elevator Cable Kit P/N BCKT-15-ELE		
1	MC33-524028	Elevator Down
1	MC33-524029	Elevator Down
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0534	Elevator Tab
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-08-RUD		
2	MCNAS30435-1321	Rudder Fwd
2 ***New!***	MC33-524000-31	Rudder Aft
Model 33 Debonair and Bonanza F33A S/N CE-511 thru CE-677 Complete Kit P/N BCKT33-06		
Qty	**Part Number**	**Location**
2 ***New!***	MC35-815109	Landing Gear Up Lock
2	MC002-524000-23	Ruddder
1	NAS304-35-1594 4	Rudder
1	NAS304-35-1600 4	Rudder
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron
Elevator Cable Kit P/N BCKT-16-ELE		
1	MC33-524029	Elevator Down
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
1	MCNAS31237-0284	Elevator Tab
1	MCNAS31237-0520	Elevator Tab
1 ***New!***	MC002-524028-3	Elevator Tab
1	35-524647-9 4	Indicator Actuating
Model 33 Debonair and Bonanza F33A S/N CE-678 thru CE-680 Complete Kit P/N BCKT33-07		
Qty	**Part Number**	**Location**
2 ***New!***	MC35-815109	Landing Gear Up Lock
2	MC002-524000-23	Ruddder
1	NAS304-35-1594 4	Rudder
1	NAS304-35-1600 4	Rudder
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Qty	Part Number	Location
Elevator Cable Kit P/N BCKT-17-ELE		
1	MC002-524028-23 2	Elevator Tab
1	MC33-524029	Elevator Down
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
1	MCNAS31237-0204	Elevator Tab
1	MCNAS31237-0520	Elevator Tab
1	35-524647-9 4	Indicator Actuating
Model 33 Debonair and Bonanza F33A S/N CE-681 thru CE-999 Complete Kit P/N BCKT33-08		
Qty	**Part Number**	**Location**
2 *New!*	MC35-815109	Landing Gear Up Lock
2	MC002-524000-23	Rudder
1	NAS304-35-1594 4	Rudder
1	NAS304-35-1600 4	Rudder
Aileron Cable Kit P/N BCKT-08-AIL		
1	MC35-524314-22 2	Aileron Fuselage
1	MCNAS30422-0255	Aileron
1	NAS304-26-0964 4	Aileron
Model 33 Debonair and Bonanza F33A S/N CE-681 thru CE-999 Complete Kit P/N BCKT33-08		
1	NAS304-66-1035 4	Aileron
2	MCNAS30537-0647	Aileron Aft
2	MCNAS30537-0667	Aileron Fwd
Elevator Cable Kit P/N BCKT-17-ELE		
1	MC002-524028-23 2	Elevator Tab
1	MC33-524029	Elevator Down
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
1	MCNAS31237-0204	Elevator Tab
1	MCNAS31237-0520	Elevator Tab
1	35-524647-9 4	Indicator Actuating
Model 33 Debonair and Bonanza F33C S/N CJ-026 thru CJ-128 Complete Kit P/N BCKT33-09		
Qty	**Part Number**	**Location**
2 *New!*	MC35-815109	Landing Gear Up Lock
2	MCNAS30435-1325	Rudder Fwd
2	33-524000-67 4	Ruddder Aft
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron Aft
2	MC36-521011-3	Aileron Fwd
1	MC35-524314 2	Aileron
Elevator Cable Kit P/N BCKT-18-ELE		
1	MC33-524000-61	Elevator Down
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0790	Elevator
1	33-524001-7 4	Elevator Tab Control
1	35-524647-9 4	Indicator Actuating

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Qty	Part Number	Location
Model 33 Debonair and Bonanza F33C S/N CJ-129 thru CJ-999 Complete Kit P/N BCKT33-10		
Qty	**Part Number**	**Location**
2 *New!*	MC35-815109	Landing Gear Up Lock
2	MCNAS30435-1325	Rudder Fwd
2	33-524000-67 4	Ruddder Aft
Aileron Cable Kit P/N BCKT-08-AIL		
1	MC35-524314-22 2	Aileron Fuselage
1	MCNAS30422-0255	Aileron
1	NAS304-26-0964 4	Aileron
1	NAS304-66-1035 4	Aileron
2	MCNAS30537-0647	Aileron Aft
2	MCNAS30537-0667	Aileron Fwd
Elevator Cable Kit P/N BCKT-18-ELE		
1	MC33-524000-61	Elevator Down
1	MC36-524000-29 2	Elevator Tab RH
1	MC36-524000-31 2	Elevator Tab LH
1	MCNAS30434-1520	Elevator Up
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0790	Elevator
1	33-524001-7 4	Elevator Tab Control
1	35-524647-9 4	Indicator Actuating
Model 35 Bonanza S/N D-0001 thru D-0014 Complete Kit P/N BCKT35-15		
Qty	**Part Number**	**Location**
1	35-524174 4	Cable Assy, Fwd Aileron
Aileron Cable Kit P/N BCKT-07-AIL		
1	MCNAS30422-0256	Aileron Fwd LH
1	MCNAS30424-0397	Aileron Center LH
1	MCNAS305-35-0546	Aileron, Upper LH
1	MCNAS305-25-0546	Aileron, Upper RH
1	MCNAS305-34-0514	Aileron, Lower LH
1	MCNAS305-24-0514	Aileron Lower RH
2	MCNAS305-34-0640	Cable
2	MCNAS305-35-0672	Cable
1	MCNAS31415-0152	Aileron Aft LH
1	MCNAS31415-0472	Aileron Aft RH
Elevator Cable Kit P/N BCKT-11-ELE		
1	MC35-524004	Elevator Fwd
4	MCNAS30227-0590	Tab Actuating
1	MCNAS30266-3636	Elevator Trim Tab Fwd
1	MCNAS30425-0082	Elevator Aft
Model 35 Bonanza S/N D-0001 thru D-0014 Complete Kit P/N BCKT35-15		
Qty	**Part Number**	**Location**
1	MCNAS30436-0197	Elevator Aft
1	35-524030 4	Tab Drum
1	35-524294 4	Bungee
1	35-524531-2 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-05-RUD		
1	MCNAS30425-0100	Rudder Aft RH
1	MCNAS30425-0106	Rudder Aft LH
1	MCNAS30433-0255	Rudder Aft
2	MCNAS31414-1875	Rudder Fwd

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Model 35 Bonanza
S/N D-0015 thru D-1500
Complete Kit P/N BCKT35-01

Qty	Part Number	Location
1	35-524174 4	Cable Assy, Fwd Aileron
Aileron Cable Kit P/N BCKT-07-AIL		
1	MCNAS30422-0256	Aileron Fwd LH
1	MCNAS30424-0397	Aileron Center LH
1	MCNAS305-35-0546	Aileron, Upper LH
1	MCNAS305-25-0546	Aileron, Upper RH
1	MCNAS305-34-0514	Aileron, Lower LH
1	MCNAS305-24-0514	Aileron Lower RH
2	MCNAS305-34-0640	Cable
2	MCNAS305-35-0672	Cable
1	MCNAS31415-0152	Aileron Aft LH
1	MCNAS31415-0472	Aileron Aft RH
Elevator Cable Kit P/N BCKT-01-ELE		
1	MC35-524004	Elevator Fwd
4	MCNAS30227-0590	Tab Actuating
1	MCNAS30266-3500	Elevator Trim Tab Fwd
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30436-0197	Elevator Aft
1	35-524030 4	Tab Drum
1	35-524294 4	Bungee
1	35-524531-2 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-05-RUD		
1	MCNAS30425-0100	Rudder Aft RH
1	MCNAS30425-0106	Rudder Aft LH
1	MCNAS30433-0255	Rudder Aft
2	MCNAS31414-1875	Rudder Fwd

Model 35 Bonanza
A35,B35
S/N D-1501 thru D-2680
Complete Kit P/N BCKT35-02

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-06-AIL		
1	MCNAS30422-0256	Aileron Fwd LH
1	MCNAS30424-0610	Aileron Center RH
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0170	Aileron Center
2	MC35-521188	Aileron
2	MC35-521189	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit P/N BCKT-01-ELE		
4	MCNAS30227-0590	Tab Actuating
1	MCNAS30266-3500	Elevator Trim Tab Fwd
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30436-0197	Elevator Aft
1	MC35-524004	Elevator Fwd
1	35-524030 4	Tab Drum
1	35-524294 4	Cable Assy, Bungee
1	35-524531-2 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-05-RUD A35 S/N D-1501 thru D-2200		
1	MCNAS30425-0100	Rudder Aft RH
1	MCNAS30425-0106	Rudder Aft LH
1	MCNAS30433-0255	Rudder Aft
2	MCNAS31414-1875	Rudder Fwd

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Model 35 Bonanza
C35,D35,E35,F35,G35
S/N D-2681 thru D-4865
Complete Kit P/N BCKT35-03

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-05-AIL D35,E35		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
P/N BCKT-06-AIL C35,F35,G35		
1	MCNAS30422-0256	Aileron Fwd LH
1	MCNAS30424-0610	Aileron Center RH

Model 35 Bonanza
C35,D35,E35,F35,G35
S/N D-2681 thru D-4865
Complete Kit P/N BCKT35-03

Qty	Part Number	Location
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0170	Aileron Center
2	MC35-521188	Aileron
2	MC35-521189	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit P/N BCKT-02-ELE		
1	MC35-524385	Elevator Fwd
1	MCNAS30266-3500	Elevator Trim Tab Fwd
1	MCNAS30266-3636	Elevator Trim Tab Fwd
4	MCNAS30327-0590	Tab Actuating
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30436-0197	Elevator Aft
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524030 4	Tab Drum
1	35-524531-2 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-05-RUD		
1	MCNAS30425-0100	Rudder Aft RH
1	MCNAS30425-0106	Rudder Aft LH
1	MCNAS30433-0255	Rudder Aft
2	MCNAS31414-1875	Rudder Fwd

Model 35 Bonanza
H35,J35
S/N D-4866 thru D-5725
Complete Kit P/N BCKT35-04

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit (continued on next page) **P/N BCKT-03-ELE**		
1	MCNAS30266-3506	Elevator Trim Tab
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Qty	Part Number	Location
Elevator Cable Kit (continued from previous page)		
P/N BCKT-03-ELE		
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1	MC35-524385	Elevator Fwd
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524030[4]	Tab Drum
1	35-524531-2[4]	Indicator Actuating
Rudder Cable Kit		
P/N BCKT-05-RUD		
1	MCNAS30425-0100	Rudder Aft RH
1	MCNAS30425-0106	Rudder Aft LH
1	MCNAS30433-0255	Rudder Aft
2	MCNAS31414-1875	Rudder Fwd
Model 35 Bonanza		
K35[1]		
S/N D-5726 thru D-5727, D-5729 thru D-5747		
Complete Kit P/N BCKT35-05		
Qty	**Part Number**	**Location**
Aileron Cable Kit		
P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314[2]	Cable/Chain, Aileron
Elevator Cable Kit		
P/N BCKT-03-ELE		
1	MC35-524385	Elevator Fwd
1	MCNAS30266-3506	Elevator Trim Tab
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524030[4]	Tab Drum
1	35-524531-2[4]	Indicator Actuating
Model 35 Bonanza		
K35[1]		
S/N D-5726 thru D-5727, D-5729 thru D-5747		
Complete Kit P/N BCKT35-05		
Qty	**Part Number**	**Location**
Rudder Cable Kit		
P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH and RH
1	MCNAS30433-0247	Rudder Aft
2	MCNAS31514-1871	Rudder Fwd
Model 35 Bonanza		
K35[1]**,M35**		
S/N D-5728, D-5748 thru D-6561		
Complete Kit P/N BCKT35-06		
Qty	**Part Number**	**Location**
Aileron Cable Kit		
P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314[2]	Cable/Chain, Aileron
Elevator Cable Kit (continued on next column)		
P/N BCKT-04-ELE		
1	MCNAS30266-3506	Elevator Trim Tab
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim

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Qty	Part Number	Location
Elevator Cable Kit (continued from previous column)		
P/N BCKT-04-ELE		
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1	35-524030[4]	Tab Drum
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1 ***New!***	MC35-524385-4	Elevator Control Fwd
1	35-524531-2[4]	Indicator Actuating
Rudder Cable Kit		
P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH and RH
1	MCNAS30433-0247	Rudder Aft
2	MCNAS31514-1871	Rudder Fwd
Model 35 Bonanza		
N35[1]		
S/N D-6562 thru D-6841		
Complete Kit P/N BCKT35-07		
Qty	**Part Number**	**Location**
Aileron Cable Kit		
P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314[2]	Cable/Chain, Aileron
Elevator Cable Kit		
P/N BCKT-05-ELE		
1	MCNAS30266-3506	Elevator Trim Tab
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30435-2087	Elevator
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1	35-524000-3[4]	Elevator
1	35-524030[4]	Tab Drum
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524531-2[4]	Indicator Actuating
Rudder Cable Kit		
P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH and RH
1	MCNAS30433-0247	Rudder Aft
2	MCNAS31514-1871	Rudder Fwd
Model 35 Bonanza		
P35		
S/N D-6842 thru D-7309, except D-7140		
Complete Kit P/N BCKT35-09		
Qty	**Part Number**	**Location**
Aileron Cable Kit		
P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314[2]	Cable/Chain, Aileron

Notes:
[1] Partial model eligibility
[2] Cable/chain assembly
[3] Pending FAA-PMA approval
[4] Not available from McFarlane

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Qty	Part Number	Location
Elevator Cable Kit P/N BCKT-06-ELE		
1	MCNAS30266-3506	Elevator Trim Tab
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
Model 35 Bonanza P35 S/N D-6842 thru D-7309, except D-7140 Complete Kit P/N BCKT35-09		
Qty	**Part Number**	**Location**
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30435-2087	Elevator
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1	MC35-524651-1	Elevator
1	35-524030 4	Tab Drum
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH and RH
1	MCNAS30433-0247	Rudder Aft
2	MCNAS31514-1871	Rudder Fwd
Model 35 Bonanza S35, V35, V35TC, V35A, V35ATC S/N D-7140 and D-7310 thru D-8840 Complete Kit P/N BCKT35-10		
Qty	**Part Number**	**Location**
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit P/N BCKT-07-ELE		
1	MCNAS30266-3950	Elevator Trim
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30435-2087	Elevator
1	MCNAS30436-0197	Elevator Aft
1	MC1781-2	Elevator Trim
1	MC35-524382	Elevator Tab Aft
1	MC35-524651-1	Elevator
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH and RH
2	MCNAS31514-1871	Rudder Fwd
1	MCNAS30433-0247	Rudder Aft
Model 35 Bonanza V35A, V35A-TC S/N D-8841 thru D-9068 without Electric Trim Complete Kit P/N BCKT35-16		
Qty	**Part Number**	**Location**
Aileron Cable Kit (continued on next column) **P/N BCKT-05-AIL**		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron

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Qty	Part Number	Location
Aileron Cable Kit (continued from previous column) **P/N BCKT-05-AIL**		
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit P/N BCKT-07-ELE		
1	MCNAS30266-3950	Elevator Trim
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30435-2087	Elevator
1	MCNAS30436-0197	Elevator Aft
1	MC1781-2	Elevator Trim
1	MC35-524382	Elevator Tab Aft
1	MC35-524651-1	Elevator
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH & RH
1	MCNAS30433-0247	Rudder Aft
2	MCNAS31514-1871	Rudder Fwd
Model 35 Bonanza S35, V35, V35TC, V35A, V35ATC S/N D-8841 thru D-9068 with Electric Trim Complete Kit P/N BCKT35-12		
Qty	**Part Number**	**Location**
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
Model 35 Bonanza S35, V35, V35TC, V35A, V35ATC S/N D-8841 thru D-9068 with Electric Trim Complete Kit P/N BCKT35-12		
Qty	**Part Number**	**Location**
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit P/N BCKT-10-ELE for V35A, V35A-TC w/Electric Trim		
1	MCNAS30266-3950	Elevator Trim
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30435-2087	Elevator
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1 ***New!***	MC35-524670	Elevator Trim Tab
1	MC35-524651-1	Elevator
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH and RH
2	MCNAS31514-1871	Rudder Fwd
1	MCNAS30433-0247	Rudder Aft

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Model 35 Bonanza
V35B, & V35BTC
S/N D-9069 thru D-10119 with Electric Trim
Complete Kit P/N BCKT35-11

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit P/N BCKT-08-ELE		
1	MCNAS30266-3954	Elevator Trim
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30435-2087	Elevator
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1 ***New!***	MC35-524670	Elevator Trim Tab
1	MC35-524651-1	Elevator
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH & RH
1	MCNAS30433-0247	Rudder Aft
2	MCNAS31514-1871	Rudder Fwd

Model 35 Bonanza
V35B, V35B-TC
S/N D-9069 thru D-10119 without Electric Trim
Complete Kit P/N BCKT35-17

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-05-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0603	Aileron
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	MC35-524314 2	Cable/Chain, Aileron
Elevator Cable Kit P/N BCKT-12-ELE		
1	MCNAS30266-3954	Elevator Trim
1	MCNAS30277-1156	Elevator Trim
1	MCNAS30327-0581	Elevator Trim
1	MCNAS30327-0587	Elevator Trim
1	MCNAS30327-0597	Elevator Trim
1	MCNAS30327-0605	Elevator Trim
1	MCNAS30425-0082	Elevator Aft
1	MCNAS30435-2087	Elevator
1	MCNAS30436-0197	Elevator Aft
1	MC35-524382	Elevator Tab Aft
1	MC35-524651-1	Elevator
1 ***New!***	MC35-524383-4	Cable Assy, Bungee
1	35-524647-9 4	Indicator Actuating

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Model 35 Bonanza
V35B, V35B-TC
S/N D-9069 thru D-10119 without Electric Trim
Complete Kit P/N BCKT35-17

Qty	Part Number	Location
Rudder Cable Kit P/N BCKT-06-RUD		
2	MCNAS30425-0106	Rudder Aft LH & RH
1	MCNAS30433-0247	Rudder Aft
2	MCNAS31514-1871	Rudder Fwd

Model 36 Bonanza
36, A36
S/N E-1 thru E-301
Complete Kit P/N BCKT36-01 or BCKTA36-01

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-09-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0703	Aileron LH
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	36-524000-19 4	Chain Assy Single Cntr Wheel
Elevator Cable Kit P/N BCKT-20-ELE		
1	MCNAS30434-1624	Elevator Up
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0534	Elevator Tab
1	MC36-524000-23	Elevator Fwd
1	MC36-524000-29 2	Cable/Chain, Elev. Tab RH
1	MC36-524000-31 2	Cable/Chain, Elev. Tab LH
1	MC36-524000-41	Cable/Chain, Elev.
1	36-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-01-RUD		
2	MCNAS30435-1425	Rudder Fwd
2	MC36-524000-33	Rudder Aft LH & RH

Model 36 Bonanza
A36
S/N E-302 thru E-571
Complete Kit P/N BCKTA36-02

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-09-AIL		
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0703	Aileron LH
1	MCNAS30466-0173	Aileron
2	MC36-521011-1	Aileron
2	MC36-521011-3	Aileron
1	36-524000-19 4	Chain Assy Single Cntr Wheel
Elevator Cable Kit P/N BCKT-20-ELE		
2	MCNAS30435-0564	Elevator
2	MCNAS31237-0534	Elevator Tab
1	MCNAS30434-1624	Elevator Up
1	MC36-524000-23	Elevator Fwd
1	MC36-524000-41	Cable/Chain, Elevator
1	MC36-524000-31 2	Cable/Chain, Elevator Tab LH
1	MC36-524000-29 2	Cable/Chain, Elevator Tab RH
1	36-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-02-RUD		
2	MCNAS30435-1421	Rudder Fwd
2	MC36-524000-33	Rudder Aft LH & RH

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Model 36 Bonanza
A36
S/N E-572 thru E-925
Complete Kit P/N BCKTA36-03

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-10-AIL		
2	MCNAS30537-0667	Aileron
2	MCNAS30537-0647	Aileron
1	MCNAS30422-0255	Aileron
1	MCNAS30426-0703	Aileron LH
1	MCNAS30466-0173	Aileron
1	36-524000-19 4	Cable/Chain, Aileron Fuslg.
Elevator Cable Kit P/N BCKT-21-ELE		
1	MCNAS30434-1624	Elevator Up
2	MCNAS30435-0564	Elevator
1	MCNAS31237-0284	Elevator Tab
1	MCNAS31237-0520	Elevator Tab
1	MC36-524000-23	Elevator Fwd
1	MC36-524000-29 2	Cable/Chain Elev. Tab RH
1	MC36-524000-31 2	Cable/Chain, Elev. Tab LH
1	002-524028-9 4	Elevator Tab
1	002-524028-1 4	Cable Assy, Elev. Control
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-03-RUD		
1	MCNAS30435-1703	Rudder Fwd LH
1	MCNAS30435-1696	Rudder Fwd RH
2	MC002-524000-23	Rudder Control Aft

Model 36 Bonanza
A36
S/N E-926 thru E-937
Complete Kit P/N BCKTA36-04

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-11-AIL		
1	MCNAS30566-1035	Aileron
2	MCNAS30537-0647	Aileron
1	MCNAS30422-0255	Aileron Aft
2	MCNAS30537-0667	Aileron Fwd
1	MCNAS30426-1064	Aileron LH
1	MC35-524314-12	Cable/Chain, Aileron Fuslg.
Elevator Cable Kit P/N BCKT-21-ELE		
1	MCNAS30434-1624	Elevator Up
2	MCNAS30435-0564	Elevator
1	MCNAS31237-0284	Elevator Tab
1	MCNAS31237-0520	Elevator Tab
1	MC36-524000-23	Elevator Fwd
1	MC36-524000-29 2	Cable/Chain, Elev. Tab RH
1	MC36-524000-31 2	Cable/Chain, Elev. Tab LH
1	002-524028-9 4	Elevator Tab
1	MC45-526011-7	Chain
1	35-524647-9 4	Indicator Actuating
1	002-524028-1 4	Cable Assy, Elev. Control
Rudder Cable Kit P/N BCKT-03-RUD		
1	MCNAS30435-1703	Rudder Fwd LH
1	MCNAS30435-1696	Rudder Fwd RH
2	MC002-524000-23	Rudder Control Aft

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Model 36 Bonanza
A36
S/N E-938 thru E1945, E-1947 thru E-2103, E-2105 thru E-2110
Complete Kit P/N BCKTA36-05

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-11-AIL		
1	MC35-524314-12	Cable/Chain, Aileron Fuslg.
1	MCNAS30422-0255	Aileron
1	MCNAS30426-1064	Aileron LH
2	MCNAS30537-0647	Aileron Aft
2	MCNAS30537-0667	Aileron Fwd
1	MCNAS30566-1035	Aileron
Elevator Cable Kit P/N BCKT-22-ELE		
1	MC002-524028-9	Cable, Elevator Tab
1	MC002-524028-21	Cable/Chain, Elev. Tab
1	MC36-524000-23	Elevator Fwd
1	MC36-524000-29 2	Cable/Chain, Elev. Tab RH
1	MC36-524000-31 2	Cable/Chain, Elev. Tab LH
1	MCNAS30434-1624	Elevator Up
2	MCNAS30435-0564	Elevator
1	MCNAS31237-0204	Elevator Tab
1	MCNAS31237-0520	Elevator Tab
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-03-RUD		
1	MCNAS30435-1696	Rudder Fwd RH
2	MC002-524000-23	Rudder Aft
1	MCNAS30435-1703	Rudder Fwd LH

Model 36 Bonanza
A36
S/N E-1946, E-2104, E-2111 thru E-3629, E-3631 thru E-3635
Complete Kit P/N BCKTA36-06

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-12-AIL		
1	MC106-524019-47	Cable/Chain, Aileron Tab
1	MC106-524044-19	Aileron
1	MC106-524044-21	Aileron
1	MC106-524044-3	Aileron
1	MC106-524045-5	Aileron
1	MC106-524031-1	Cable/Chain Aileron Tab
1	MC106-524043-11	Aileron Aft LH
1	MC106-524043-5	Aileron Aft RH
2	MC106-524043-7	Aileron Fwd LH & RH
Elevator Cable Kit P/N BCKT-23-ELE		
1	MC106-524020-57	Cable/Chain, Elevator Tab
1	MC106-524046-7	Elevator Tab Nose Down
1	MC106-524046-9	Elevator Tab Nose Up
1	MC106-524049-1	Elevator Up Fwd
1	MC106-524049-9	Elevator Down Fwd
1	MC106-524050-1	Elevator Up Aft
1	MC106-524050-3	Elevator Down Aft
1	MC36-524000-63	Cable/Chain, Elev. Tab RH
1	MC36-524000-69	Cable/Chain, Elev. Tab LH
Rudder Cable Kit P/N BCKT-04-RUD		
1	MC106-524051-5	Rudder RH
1	MC106-524051-7	Rudder LH
1	MC36-524079-5	Rudder Aft RH
1	MC36-524079-7	Rudder Aft LH

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Model 36 Bonanza
A36TC, B36TC
S/N EA-001 thru EA-319, EA-321 thru EA-388
Complete Kit P/N BCKT36TC-01

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-11-AIL		
1	MCNAS30566-1035	Aileron
2	MCNAS30537-0647	Aileron
1	MCNAS30422-0255	Aileron Aft
2	MCNAS30537-0667	Aileron Fwd
1	MCNAS30426-1064	Aileron LH
1	MC35-524314-12	Cable/Chain, Aileron Fuslg.
Elevator Cable Kit P/N BCKT-22-ELE		
1	MC002-524028-9	Cable, Elevator Tab
1	MC002-524028-21	Cable/Chain, Elev. Tab
1	MC36-524000-23	Elevator Fwd
1	MC36-524000-29 2	Cable/Chain, Elev. Tab RH
1	MC36-524000-31 2	Cable/Chain, Elev. Tab LH
1	MCNAS30434-1624	Elevator Up
2	MCNAS30435-0564	Elevator
1	MCNAS31237-0204	Elevator Tab
1	MCNAS31237-0520	Elevator Tab
1	35-524647-9 4	Indicator Actuating
Rudder Cable Kit P/N BCKT-03-RUD		
2	MC002-524000-23	Rudder Aft
1	MCNAS30435-1696	Rudder Fwd RH
1	MCNAS30435-1703	Rudder Fwd LH

Model 36 Bonanza
B36TC
S/N EA-320, EA-389 thru EA-999
Complete Kit P/N BCKT36TC-03

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-12-AIL		
1	MC106-524019-47	Cable/Chain, Aileron Tab
1	MC106-524031-1	Cable/Chain, Aileron Tab
1	MC106-524043-11	Aileron Aft LH
1	MC106-524043-5	Aileron Aft RH
2	MC106-524043-7	Aileron Fwd LH & RH
1	MC106-524044-19	Aileron
1	MC106-524044-21	Aileron
1	MC106-524044-3	Aileron
1	MC106-524045-5	Aileron
Elevator Cable Kit P/N BCKT-23-ELE		
1	MC106-524020-57	Cable/Chain, Elevator Tab
1	MC106-524046-7	Elevator Tab Nose Down
1	MC106-524046-9	Elevator Tab Nose Up
1	MC106-524049-1	Elevator Up Fwd
1	MC106-524049-9	Elevator Down Fwd
1	MC106-524050-1	Elevator Up Aft
1	MC36-524000-69	Cable/Chain, Elev. Tab LH
1	MC106-524050-3	Elevator Down Aft
1	MC36-524000-63	Cable/Chain, Elev. Tab RH
Rudder Cable Kit P/N BCKT-04-RUD		
1	MC106-524051-7	Rudder LH
1	MC106-524051-5	Rudder RH
1	MC36-524079-5	Rudder Aft RH
1	MC36-524079-7	Rudder Aft LH

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Model 36 Bonanza
G36
S/N E-3630, E-3636 thru-9999
Complete Kit P/N BCKTG36-01

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-12-AIL		
1	MC106-524019-47	Cable/Chain, Aileron Tab
1	MC106-524031-1	Cable/Chain, Aileron Tab
1	MC106-524043-11	Aileron Aft LH
1	MC106-524043-5	Aileron Aft RH
2	MC106-524043-7	Aileron Fwd LH & RH
1	MC106-524044-19	Aileron
1	MC106-524044-21	Aileron
1	MC106-524044-3	Aileron
1	MC106-524045-5	Aileron
Elevator Cable Kit P/N BCKT-23-ELE		
1	MC106-524020-57	Cable/Chain, Elevator Tab
1	MC106-524046-7	Elevator Tab Nose Down
1	MC106-524046-9	Elevator Tab Nose Up
1	MC106-524049-1	Elevator Up Fwd
1	MC106-524049-9	Elevator Down Fwd
1	MC106-524050-1	Elevator Up Aft
1	MC36-524000-69	Cable/Chain, Elev. Tab LH
1	MC106-524050-3	Elevator Down Aft
1	MC36-524000-63	Cable/Chain, Elev. Tab RH

Model 36 Bonanza
G36
S/N E-3630, E-3636 thru-9999
Complete Kit P/N BCKTG36-01

Qty	Part Number	Location
Rudder Cable Kit P/N BCKT-04-RUD		
1	MC36-524079-5	Rudder Aft RH
1	MC36-524079-7	Rudder Aft LH
1	MC106-524051-7	Rudder LH
1	MC106-524051-5	Rudder RH
1	MC106-524043-5	Aileron Aft RH
1	MC106-524043-11	Aileron Aft LH

Model 50 Twin Bonanza
D50 1 (DH-144 thru DH-154),
D50B,D50C,D50E,E50,F50,H50,J50,
G50 1 (GH-95 thru GH-119)

Qty	Part Number	Location
1	MCNAS30635-1172	Aileron

Model 55
95-55,95-A55

Qty	Part Number	Location
Aileron Cable Kit P/N BCKT-02-AIL		
1	MCNAS30555-1043	Aileron
1	MCNAS30534-0652	Aileron Fwd
1	MCNAS305-35-0672	Cable
Elevator Cable Kit P/N BCKT-24-ELE 95-55 S/N All, 95-A55 S/N TC-191 thru TC-379		
1	MCNAS31237-0302	Elevator Tab Down
1	MCNAS31237-0323	Elevator Tab Up
2	MCNAS30435-0564	Elevator
1	MCNAS30444-3507	Elevator
Rudder Cable Kit P/N BCKT-10-RUD		
1	MCNAS30534-1594	Rudder Fwd RH
1	MCNAS30534-1600	Rudder Fwd LH

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

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Model 55
95-B55, 95-B55A

Qty	Part Number	Location
Aileron Cable Kit		
P/N BCKT-02-AIL		
1	MCNAS30555-1043	Aileron
1	MCNAS30534-0652	Aileron Fwd
1	MCNAS305-35-0672	Cable
Elevator Cable Kit		
P/N BCKT-24-ELE		
S/N TC-503 thru TC-1607		
P/N BCKT-26-ELE		
S/N TC-1608 thru TC-2023		
P/N BCKT-27-ELE		
S/N TC-2024 thru TC-2024		
P/N BCKT-28-ELE		
S/N TC-2405 thru TC-2430		
P/N BCKT-29-ELE		
S/N TC-2431 thru TC-2456		
	MCNAS30435-0564 6	Elevator
	MCNAS30435-0568 7	Elevator Aft
	MCNAS30435-0570 8	Elevator Aft
	MCNAS30444-3507 5	Elevator
	MCNAS31237-0222 10	Elevator Trim
	MCNAS31237-0302 11	Elevator Tab Down
	MCNAS31237-0323	Elevator Tab Up
Rudder Cable Kit		
P/N BCKT-10-RUD		
S/N TC-502 thru TC-1607		
P/N BCKT-11-RUD		
S/N TC-1608 thru TC-2456		
	MCNAS30277-4040 5	Rudder Tab
	MCNAS30534-1594	Rudder Fwd RH
	MCNAS30534-1600	Rudder Fwd LH

Model 55
95-C55, 95-C55A

Qty	Part Number	Location
Aileron Cable Kit		
P/N BCKT-02-AIL		
	MCNAS30555-1043	Aileron
	MCNAS30534-0652	Aileron Fwd
	MCNAS305-35-0672	Cable
Elevator Cable Kit		
P/N BCKT-30-ELE		
S/N TC-350, TE-1 thru TE-451		
	MCNAS30435-0564 12	Elevator
	MCNAS30444-3511	Elevator
	MCNAS31237-0302	Elevator Tab Down
	MCNAS31237-0323	Elevator Tab Up
Rudder Cable Kit		
P/N BCKT-10-RUD		
S/N TC-350, TE-1 thru TE-451		
	MCNAS30534-1594 12	Rudder Fwd RH
	MCNAS30534-1600 12	Rudder Fwd LH

Model 55
D55

	Part Number	Location
Aileron Cable Kit		
P/N BCKT-02-AIL		
	MCNAS30555-1043	Aileron
	MCNAS30534-0652	Aileron Fwd
	MCNAS305-35-0672	Cable

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

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Elevator Cable Kit

P/N BCKT-30-ELE
S/N TE-452 thru TE-633

P/N BCKT-31-ELE
S/N TE-634 thru TE-767

	MCNAS30435-0564	Elevator
	MCNAS30444-3511	Elevator
	MCNAS31237-0302	Elevator Tab Down
	MCNAS31237-0323	Elevator Tab Up
	MCNAS31237-0843 9	Electric Trim
Rudder Cable Kit		
P/N BCKT-10-RUD		
	MCNAS30534-1594	Rudder Fwd RH
	MCNAS30534-1600	Rudder Fwd LH

Model 55
E55, E55A

	Part Number	Location
Aileron Cable Kit		
P/N BCKT-02-AIL		
	MCNAS30555-1043	Aileron
	MCNAS30534-0652	Aileron Fwd
	MCNAS305-35-0672	Cable
Elevator Cable Kit		
P/N BCKT-32-ELE		
S/N TE-768 thru TE-937 and TE-939 thru TE-942		
P/N BCKT-34-ELE		
S/N TE-943 thru TE-1086		
P/N BCKT-35-ELE		
S/N TE-1087 thru TE-1192		
P/N BCKT-36-ELE		
S/N TE-1193 thru TE-1196		
P/N BCKT-37-ELE		
S/N TE-1197 thru TE-9999		
	MCNAS30435-0564 14	Elevator
	MCNAS30435-0568 15	Elevator Aft
	MCNAS30435-0570 16	Elevator Aft
	MCNAS30444-3511 17	Elevator
	MCNAS31237-0222 18	Elevator Trim
	MCNAS31237-0302 19	Elevator Tab Down
	MCNAS31237-0323	Elevator Tab Up
	MCNAS31237-0843	Electric Trim
Rudder Cable Kit		
P/N BCKT-10-RUD		
S/N TE-768 thru TE-937, TE-939 thru TE-942, TE-943 thru TE-1201		
	MCNAS30277-4040 13	Rudder Tab
	MCNAS30534-1594	Rudder Fwd RH
	MCNAS30534-1600	Rudder Fwd LH

Notes:
1 Partial model eligibility
2 Cable/chain assembly
3 Pending FAA-PMA approval
4 Not available from McFarlane
5 TC-1608 thru TC-2456
6 TC-371 thru TC-2404
7 TC-2405 thru TC-2430
8 TC-2431 thru TC-2456
9 TE-633 thru TE-76
10 TC-2024 thru TC-2456
11 TC-371 thru TC-2023
12 Not required for S/N TC-350
13 TE-938, TE-943 thru TE-1201
14 TE-768 thru TE-1192
15 TE-1193 thru TE-1196
16 TE-1197 thru TE-1201
17 TE-768 thru TE-937, TE-939 thru TE-942
18 TE-1087 thru TE-1201
19 TE-768 thru TE-1086

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Model 56 Baron
56TC,A56TC

Part Number	Location
Aileron Cable Kit P/N BCKT-02-AIL	
MCNAS30555-1043	Aileron
MCNAS30534-0652	Aileron Fwd
MCNAS305-35-0672	Cable
Elevator Cable Kit P/N BCKT-38-ELE	
MCNAS30435-0564	Elevator
MCNAS31237-0302	Elevator Tab Down
MCNAS31237-0342	Elevator Tab Up
MCNAS30277-4040	Rudder Tab

Model 58 Baron
58, 58A

Part Number	Location
Aileron Cable Kit P/N BCKT-02-AIL	
MCNAS30555-1043	Aileron
MCNAS30534-0652	Aileron Fwd
MCNAS305-35-0672	Cable
Elevator Cable Kit	
P/N BCKT-39-ELE S/N TH-1 thru TH-789	
P/N BCKT-40-ELE S/N TH-790 thru TH-1274	
P/N BCKT-41-ELE S/N TH-1275 thru TH-1314	
P/N BCKT-42-ELE S/N TH-1315 thru TH-1388 and TH-1390 thru TH-1395	
P/N BCKT-43-ELE S/N TH-1389, TH-1396 thru TH-2124	
MC106-524049-1[20]	Elevator Up Fwd
MC106-524049-9[20]	Elevator Down Fwd

Model 58 Baron
58, 58A

Part Number	Location
MC106-524050-1[20]	Elevator Up Aft
MC106-524050-3[20]	Elevator Down Aft
MCNAS30435-0564[22]	Elevator
MCNAS30435-0568[23]	Elevator Aft
MCNAS30435-0570[24]	Elevator Aft
MCNAS31237-0222[25]	Elevator Trim
MCNAS31237-0302[26]	Elevator Tab Down
MCNAS31237-0523[21]	Elevator Trim Up
MCNAS31237-0843	Electric Trim
Rudder Cable Kit P/N BCKT-12-RUD S/N TH-1 thru TH-1388, TH-1390 thru TH-1395	
MCNAS30277-4240[21]	Rudder Tab
MCNAS30534-1696[21]	Rudder RH
MCNAS30534-1703[21]	Rudder LH

Model 58 Baron
58P

Part Number	Location
MCNAS30555-1043[28]	Aileron
Elevator Cable Kit P/N BCKT-33-ELE S/N TJ-436, TJ-444 thru TJ-497	
MC106-524049-1[27]	Elevator Up Fwd
MC106-524049-9[27]	Elevator Down Fwd
MCNAS30435-0564[28]	Elevator
Rudder Cable Kit P/N BCKT-13-RUD S/N TJ-3 thru TJ-435, TJ-437 thru TJ-443	
MCNAS30534-1696[28]	Rudder RH
MCNAS30534-1703[28]	Rudder LH

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Model 58 Baron
58TC

Part Number	Location
MC106-524049-1[29]	Elevator Up Fwd
MC106-524049-9[29]	Elevator Down Fwd
MCNAS30435-0564[31]	Elevator
MCNAS30555-1043[32]	Aileron
Rudder Cable Kit P/N BCKT-12-RUD S/N TK-53 thru TK-146, TK-148 thru TK-150 **P/N BCKT-13-RUD** S/N TK-1 thru TK-52	
MCNAS30277-4240[30]	Rudder Tab
MCNAS30534-1696[31]	Rudder RH
MCNAS30534-1703[32]	Rudder LH

Model 60 Duke
B60

Part Number	Location
MCNAS30534-0652	Aileron Fwd
MCNAS305-35-0672	Cable

Model 76 Duchess
76

Part Number	Location
Rudder Cable Kit P/N BCKT-14-RUD	
1 MCNAS31425-1220	Rudder Fwd LH
1 MCNAS31424-1242	Rudder Fwd RH
Stabilator Cable Kit P/N BCKT-03-STB	
1 MCNAS31424-1152	Stabilator
1 MCNAS31425-1411	Stabilator/Elevator Fwd

Model 90 King Air
65-90,65-A90,C90,C90A, C90B[1] (LJ-1288 thru LJ-1305, LJ-1307 thru LJ-1315, LJ-1317, LJ-1319, LJ-1367 thru LJ-1755), C90GT,E90

Part Number	Location
MCNAS30635-1172	Aileron

Model 90 King Air
F90

Part Number	Location
MCNAS30266-1814	Elevator Tab
MCNAS30277-1700	Elevator Tab
MCNAS30635-1172	Aileron

Model 100 King Air
100,A100,B100

Part Number	Location
MC99-524015	Aileron Tab
MCNAS30635-1172	Aileron
Aileron Cable Kit P/N BCKT-03-AIL	
MC101-524088-1	Aileron Tab
MCNAS30635-1172	Aileron
MC1781-1[33][34]	Elevator Tab
MCNAS30266-1814	Elevator Tab
MCNAS30277-1700[34]	Elevator Tab

Notes:
[1] Partial model eligibility
[20] TH-1389, TH-1396 thru TH-2124
[21] TH-1 thru TH-1388, TH-1390 thru TH-1395
[22] TH-1 thru TH-1274
[23] TH-1275 thru TH-1314
[24] TH-1315 thru TH-1388, TH-1390 thru TH-1395
[25] TH-790 thru TH-1388, TH-1390 thru TH-1395
[26] TH-1 thru TH-789
[27] TJ-436, TJ-444 thru TJ-497
[28] TJ-3 thru TJ-435, TJ-437 thru TJ-443
[29] TK-147, TK-151
[30] TK-53 thru TK-146, TK-148 thru TK-150
[31] Not required for S/N TK-151
[32] Not required for S/N TK-147 or TK-151
[33] Replaces: (1) NAS302-67-6643, (2) 35-524288 Stop Screw, and (2) 35-524287 Stop Nut
[34] Model 200 S/N BB-39 thru BB-912

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Model 300 King Air
300,300LW, B300, B300C 1 (All except FN-1)

Part Number	Location
Aileron Cable Kit P/N BCKT-04-AIL	
MCNAS30624-1176	Aileron
MCNAS30635-1172	Aileron
Elevator Cable Kit P/N BCKT-47-ELE	
MCNAS30266-1814	Elevator Tab
MCNAS30267-6643	Elevator Tab
MCNAS30277-1700	Elevator Tab

Model 1900 Airliner
1900,1900C 1 (UB-1 thru UB-74)

Part Number	Location
Aileron Cable Kit P/N BCKT-04-AIL	
MCNAS30624-1176	Aileron
MCNAS30635-1172	Aileron
Elevator Cable Kit P/N BCKT-45-ELE	
MCNAS30266-1312	Elevator Tab
MCNAS30277-1307	Elevator

Model 45 and T-34
A45 (T-34A), D45 (T-34B)

Part Number	Location
MCNAS305-34-0640	Aileron
MCNAS305-35-0672	Aileron
MCNAS305-25-0546	Aileron
MCNAS305-35-0546	Aileron
MCNAS305-24-0514	Aileron
MCNAS305-34-0514	Aileron
MCNAS305-34-0826 36	Elevator
MCNAS305-35-0576	Elevator
MCNAS305-34-0996 36	Elevator
MCNAS305-35-0564	Elevator Aft
MCNAS305-34-1010 35	Elevator Fwd
MCNAS305-34-0840 35	Elevator Fwd
MCNAS304-34-1271	Rudder
MCNAS304-35-0712	Rudder
MCNAS304-33-0311 37	Rudder
MCNAS304-34-1116 37	Rudder

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Model T-34
T-34C, 34C, T-34C-1

Part Number	Location
MCNAS305-34-0640	Aileron
MCNAS305-35-0672	Aileron
MCNAS305-25-0546 38	Aileron
MCNAS305-35-0546 38	Aileron
MCNAS305-24-0514 38	Aileron
MCNAS305-34-0514 38	Aileron
MC104-524023-3	Aileron Trim
MC104-524023-5	Aileron Trim
MCNAS305-35-0996	Elevator
MCNAS305-34-0826	Elevator
MCNAS305-34-0564	Elevator
MCNAS305-35-0576	Elevator
MC104-524020-9	Elevator Trim
MC104-524020-11	Elevator Trim
MC104-524046-3	Elevator Trim
MC104-524046-5	Elevator Trim
MC104-524021-3	Rudder Trim
MC104-524021-5	Rudder Trim
MC104-524022-3	Rudder Trim
MC104-524022-7	Rudder Trim

Notations:
1 Partial model eligibility
36 For model D45 (T-34B) only
37 For aircraft with Beechcraft Kit 45-322A installed
38 For model T-34C only

Beech cables are coated with a modified MIL-PRF-16173 compound, which provides additional corrosion protection beyond the standard MIL-SPEC rust preventive oil.

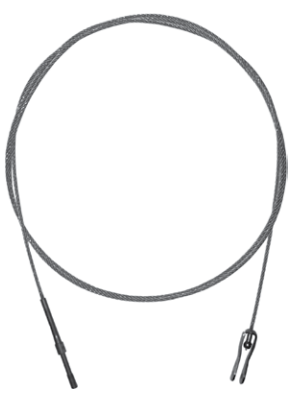
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Diameter	Cable	Galvanized	Stainless
1/16	1X19	•	
	7X7	•	•
	7X19	•	•
1/8	7X19	•	•
1/4	7X19	•	•
3/32	1X19	•	
	7X7	•	•
	7X19	•	•
3/16	7X19		•
3/8	7X19	•	•
5/32	7X19	•	•
5/16	7X19	•	•

Pulleys

MCS378- Series: Phenolic flight control pulleys with ball bearings. FAA-PMA replacements for Cessna S378, A-/BB-, NAS383- pulleys
MS20219- Series: Pulley with high pressure laminated phenolic sheave and fixed ball bearing with contact seal. (These supersede the AN219- Series pulleys of like dash number)
MS20219A- Series: Pulley with aluminum alloy sheave and fixed ball bearing with contact seal. Sheave anodized per MIL-A-8625
MS20220- Series: Phenolic flight control pulleys with ball bearings. These supersede AN220- Series pulleys of like dash number
MS24566- Series: Phenolic flight control pulleys with ball bearings. These supersede AN210- series pulleys of like dash number
NAS383- Series: Phenolic commercial grade pulleys with graphite bronze sleeve bearings. Typically used with a bushing. MCS378- series pulleys supersede these for most Cessna aircraft applications. The MCS378 pulley replaces both NAS383 pulley and its bushing
S394, S1052-1, S1710-1: Cessna nylon pulleys with no bearings
S378-4S: Cessna pulley similar to S378-4 but smaller diameter. Used on 177RG, S/N 177RG0202 and on, and F177RG0038 and on for routing stabilator, stabilator trim, and rudder cables. (Six required per aircraft)
1660433- Series: Cessna phenolic pulleys with ball bearings


MCS378 Series


MS20219 Series

Part Number	Cable Diameter	Outside Diameter	Groove Diameter	Bore Diameter	Pulley Width	Hub Width	Load Limit	Superseded by
A-114	3/16	3.500	2.875	0.380	0.443	----	---	MCS378-4[1]
A-124	3/32	2.500	2.000	0.255	0.270	----	---	MCS378-2[1]
A-130	3/16	2.000	1.375	0.380	0.433	----	---	MCS378-3[1]
AN210-1A	1/16, 5/64, 3/32	1.250	----	0.1900	0.250	0.297	185	MS24566-1B[2]
AN210-2A	1/16, 5/64, 3/32	2.500	----	0.1900	0.250	0.297	500	MS24566-2B[2]
AN210-3A	1/8, 5/32, 3/16	2.000	----	0.2500	0.422	0.484	450	MS24566-3B[2]
AN210-4A	1/8, 5/32, 3/16	3.500	----	0.2500	0.422	0.484	1200	MS24566-4B[2]
AN210-1B	1/16, 5/64, 3/32	1.250	0.972	0.1900	0.250	0.297	300	MS24566-1B
AN210-2B	1/16, 5/64, 3/32	2.500	2.222	0.1900	0.250	0.297	500	MS24566-2B
AN210-3B	1/8, 5/32, 3/16	2.000	1.510	0.2500	0.422	0.484	600	MS24566-3B
AN210-4B	1/8, 5/32, 3/16	3.500	3.010	0.2500	0.422	0.484	1200	MS24566-4B
AN210-5B	3/16, 7/32, 1/4	5.000	4.374	0.3750	0.500	0.620	3000	MS24566-5B
AN220-1	1/8, 5/32, 3/16	1.755	1.255	0.3125	0.422	0.625	500	MS20220-1
AN220-2	1/8, 5/32, 3/16	3.005	2.505	0.3125	0.422	0.625	1680	MS20220-2
AN220-3	1/8, 5/32, 3/16	4.255	3.755	0.3125	0.422	0.625	2500	MS20220-3
AN220-4	1/8, 5/32, 3/16	5.505	5.005	0.3125	0.422	0.625	2500	MS20220-4
BB-208	-----					----	---	MCS378-3[1]
MCS378-1	1/16, 5/64, 3/32	1.250	0.972	0.1900	0.250	0.297	300	
MCS378-2	1/16, 5/64, 3/32	2.500	2.222	0.1900	0.250	0.297	500	
MCS378-3	1/8, 5/32, 3/16	2.000	1.510	0.2500	0.422	0.484	600	
MCS378-4	1/8, 5/32, 3/16	3.500	3.010	0.2500	0.422	0.484	1200	
MCS378-5	3/16, 7/32, 1/4	5.000	4.374	0.3750	0.500	0.620	3000	
MS20219-1, MS20219A1	1/16, 3/32	1.312	1.000	0.2500	0.310	0.438	480	
MS20219-2, MS20219A2	1/16, 3/32	1.750	1.438	0.2500	0.310	0.438	480	
MS20219-3, MS20219A3	1/16, 3/32	1.750	1.438	0.6250	0.310	0.438	480	
MS20219-4, MS20219A4	1/16, 3/32	2.625	2.312	0.2500	0.310	0.438	920	
MS20219-5, MS20219A5	1/16, 3/32	2.625	2.312	0.6250	0.310	0.438	920	
MS20220-1	1/8, 5/32, 3/16	1.755	1.255	0.3125	0.422	0.625	500	
MS20220-2	1/8, 5/32, 3/16	3.005	2.505	0.3125	0.422	0.625	1680	
MS20220-3	1/8, 5/32, 3/16	4.255	3.755	0.3125	0.422	0.625	2500	
MS20220-4	1/8, 5/32, 3/16	5.505	5.005	0.3125	0.422	0.625	2500	
MS24566-1B	1/16, 5/64, 3/32	1.250	0.972	0.1900	0.250	0.297	300	
MS24566-2B	1/16, 5/64, 3/32	2.500	2.222	0.1900	0.25	0.297	500	
MS24566-3B	1/8, 5/32, 3/16	2.000	1.510	0.2500	0.422	0.484	600	
MS24566-4B	1/8, 5/32, 3/16	3.500	3.010	0.2500	0.422	0.484	1200	
MS24566-5B	3/16, 7/32, 1/4	5.000	4.374	0.3750	0.500	0.620	3000	
NAS383-1	3/32	1.250	0.875	0.255	0.270	----	---	
NAS383-2	3/32	2.500	2.000	0.255	0.270	----	---	MCS378-2[1]
NAS383-3	3/16	2.000	1.375	0.380	0.443	----	---	MCS378-3[1]
NAS383-4	3/16	3.500	2.875	0.380	0.443	----	---	MCS378-4[1]
S378-1 and -1L	1/16, 5/64, 3/32	1.250	0.972	0.1900	0.250	0.297	300	MCS378-1[1]
S378-2	1/16, 5/64, 3/32	2.500	2.222	0.1900	0.250	0.297	500	MCS378-2[1]
S378-3 and -3L	1/8, 5/32, 3/16	2.000	1.510	0.2500	0.422	0.484	600	MCS378-3[1]
S378-4	1/8, 5/32, 3/16	3.500	3.010	0.2500	0.422	0.484	1200	MCS378-4[1]
S378-4S	1/8, 5/32, 3/16	~3.0	~2.5	0.2500	0.422	0.484	?	
S378-5	3/16, 7/32, 1/4	5.000	4.374	0.3750	0.500	0.620	3000	MCS378-5[1]
S394	-------	1.000	0.750	0.250	0.410	0.420	----	
S1052-1	-------	1.060	0.560	0.250	0.690	0.750	----	
S1710-1	-------	0.750	0.560	0.250	0.410	0.410	----	
1660433-1	-------	1.250	1.000	0.190	0.250	0.300	----	
1660433-2	-------	2.250	2.250	0.190	0.250	0.300	----	

Notes:
[1] Cessna aircraft only
[2] Not official supersedure. They are dimensionally identical except the MS24566 pulleys have superior bearings.

The listed dimensions and loads are for reference and identification only and are not guaranteed to be accurate.

Pulleys and Pulley Kits for Cessna Aircraft

We stock all pulleys required for Cessna single engine aircraft. Our MCS378 series pulleys replace the AN, NAS and S378 series pulleys commonly used on Cessna aircraft. Pulley kits are available that contain all of the pulleys and cotter pins required for one aircraft.

Improved Bearings

All MCS378 series FAA-PMA pulleys used in our McFarlane pulley kits feature high quality sealed precision ball bearings. This style of bearing is far superior to low grade, open seal bearings used in the cheap Cessna S378-()L light duty series pulleys that they replace.



Available Pulley Part Numbers

1660433-1, 1660433-2, AN210-1B, AN210-2B, AN210-3B, AN210-4B, AN210-5B, AN220-1, AN220-2, AN220-3, AN220-4, MCS378-1, MCS378-2, MCS378-3, MCS378-4, MCS378-5, MS20219-1, MS20219-2, MS20219-3, MS20219-4, MS20219-5, MS20219A1, MS20219A2, MS20219A3, MS20219A4, MS20219A5 MS20220-1, MS20220-2, MS20220-3, MS20220-4, MS24566-1B, MS24566-2B, MS24566-3B, MS24566-4B, MS24566-5B, NAS383-1, NAS383-2, NAS383-3, NAS383-4, S1052-1, S1710-1, S378-4S, S394

Our Pulley Oil will not dry out or get sticky! See next page.





McFarlane Pulleys Available	
P/N [1]	**Replaces Cessna Part Number** [1]
MCS378-1	S378-1 and S378-1L
MCS378-2	S378-2, A124, AN210-2B and NAS383-2
MCS378-3	S378-3, S378-3L, A130, AN210-3B ,BB-208, NAS383-3
MCS378-4	S378-4, A114, AN210-4B and NAS383-4
MCS378-5	S378-5

Notes:
[1] Installer should verify applicability from their specific aircraft illustrated parts catalog prior to installation.

Cotter Pins

Pulleys and cotter pins available as convenient kits! Both can also be purchased separately

Cotter Pins can be purchased in quantities of 10 or 25 each depending on part number. Cotter Pins available: MS24665-132, MS24665-134, MS24665-138, MS24665-140, MS24665-143, MS24665-144, MS24665-155, MS24665-170, MS24665-24, MS24665-281, MS24665-283, MS24665-285, MS24665-287, MS24665-289, MS24665-292, MS24665-295, MS24665-353, MS24665-355, MS24665-357, MS24665-360, MS24665-5, MS24665-7, MS24665-71.



			Quantity per kit (kits include cotter pins)						
Model	**Serial Number**	**Kit P/N**	**MCS378-1**	**MCS378-2**	**MCS378-3**	**MCS378-4**	**MCS378-5**	**S394**	**Other Pulleys**
120/140	8000 thru 15075	PULL-KT-01	8	2	10	10		1	
140A	15200 thru 15724	PULL-KT-02		2	8	12		1	(8) NAS383-1
150	17001 thru 59018	PULL-KT-03	8	13	10	12		3	
150A,B,C	15059019 thru 15060087	PULL-KT-04	8	13	10	10		3	
150D,E[1]	15060088 thru 15061083	PULL-KT-05	8	13	10	4		1	(6) MS20220-2
150E[1]	15061084 thru 15061532	PULL-KT-06	8	13	10	4			(6) MS20220-2
150F,G	15061533 thru 15067198	PULL-KT-07	10	10	13	4			(7) MS20220-2
150H	15067199 thru 15069308	PULL-KT-08	14	10	13	4			(7) MS20220-2
150J	15069309 thru 15071128	PULL-KT-09	14	8	13	4			(7) MS20220-2
150K,L[1]	15071129 thru 15074399	PULL-KT-10	14	8	13	4			(7) MS20220-2
A150K,L[1]	A15000001 thru A1500387	PULL-KT-10	14	8	13	4			(7) MS20220-2
F150K,L[1]	F15000530 thru F15000943	PULL-KT-10	14	8	13	4			(7) MS20220-2
FA150K,L	FA1500001 thru FA1500120	PULL-KT-10	14	8	13	4			(7) MS20220-2
FRA150L[1]	FRA1500121 thru FRA1500211	PULL-KT-10	14	8	13	4			(7) MS20220-2
150L[1]	15074400 thru 15074661	PULL-KT-11	14	10	11	4			(7) MS20220-2
A150L[1]	A1500388 thru A1500415	PULL-KT-11	14	10	11	4			(7) MS20220-2
F150L[1]	F1500944 thru F15001062	PULL-KT-11	14	10	11	4			(7) MS20220-2
150L[1],M	15074662 thru 15079405	PULL-KT-12	14	10	12	4			(7) MS20220-2
A150L[1],M	A1500416 thru A1500734	PULL-KT-13	14	10	12	4			(7) MS20220-2
FRA150L[1]M	FRA1500212 thru FRA1500336	PULL-KT-12	14	10	12	4			(7) MS20220-2
152	15279406 thru 15286033	PULL-KT-13	14	10	12	4			(7) MS20220-2
A152	A1520735 thru A1521049	PULL-KT-13	14	10	12	4			(7) MS20220-2
F152	F15201429 thru F015201952	PULL-KT-13	14	10	12	4			(7) MS20220-2
FA152	FA1520337 thru FA1520387	PULL-KT-13	14	10	12	4			(7) MS20220-2
170	18000 thru 18729	PULL-KT-14		4	7	16		2	(8) NAS383-1
170A	18730 thru 20266	PULL-KT-15			13	14			(8) NAS383-1
170B	20267 thru 27169	PULL-KT-16	8	11	9	22		4	(8) NAS383-1
172A,B,C	28000 thru 17249544	PULL-KT-17	8	11	10	18		4	

Continued on next page

Pulleys and Pulley Kits for Cessna Aircraft continued from previous page

			Quantity per kit (kits include cotter pins)						
Model	Serial Number	Kit P/N	MCS378-1	MCS378-2	MCS378-3	MCS378-4	MCS378-5	S394	Other Pulleys
172D	17249545 thru 17250572	PULL-KT-18	9	11	10	18		4	
F172D	F1720001 thru F1720018	PULL-KT-18	9	11	10	18		4	
FP172	FP1720001 thru FP1720003	PULL-KT-18	9	11	10	18		4	
P172	P17257120 thru P17257188	PULL-KT-18	9	11	10	18		4	
172E	17250573 thru 17251822	PULL-KT-19	9	11	10	16		4	
F172E	F1720019 thru F1720085	PULL-KT-19	9	11	10	16		4	
172F,G,H,I,K,L,M[1]	17251823 thru 17263458	PULL-KT-20	13	2	10	16		3	(2) MS20220-1
F172F,G,H,K,L,M[1]	F1720086 thru F17201234	PULL-KT-20	13	2	10	16		3	(2) MS20220-1
FR172E,F,G,H,J	FR1720001 thru FR1720590	PULL-KT-21	12	2	10	16		3	(2) MS20220-1
172M[1],N,P	17263459 thru 17276673	PULL-KT-22	13	2	10	16		3	(2) MS20220-1, (1) S1710-1
F172M[1],N,P	F17201235 thru F17202254	PULL-KT-22	13	2	10	16		3	(2) MS20220-1, (1) S1710-1
172R,S	17280001 and on	PULL-KT-19	9	11	10	16		4	
175A,B,C	55001 thru 17557119	PULL-KT-17	8	11	10	18		4	
180A,B	30000 thru 50661	PULL-KT-24	5	11	7	20		4	
180C,D,E	50662 thru 18051183	PULL-KT-25	5	12	7	20		4	
180F,G	18051184 thru 18051445	PULL-KT-26	5	12	7	20		4	(1) MS20220-2
180H[1]	18051446 thru 18051607	PULL-KT-27	5	12	7	22		4	(1) MS20220-2
	18051608 thru 18052206	PULL-KT-28	5	12	7	22	1	8	(1) MS20220-2
180H[1],J[1]	18052207 thru 18052384	PULL-KT-83	5	12	7	22	1	8	(1) MS20220-2, (1) S1710-1
180J[1],K	18052385 thru 18053203	PULL-KT-29	5	11	7	22	1	8	(2) MS20220-2, (1) S1710-1
182,A,B	33000 thru 52358	PULL-KT-34	5	11	7	20	1	4	
182C,D	52359 thru 18053598	PULL-KT-35	5	12	7	20	1	4	
182E[1]	18253599 thru 18253929	PULL-KT-36	6	1	6	10		3	(6) MS20220-2, (1) S1052-1
182E[1],F,G,H,J,K	18253930 thru 18258505	PULL-KT-85	11	3	6	10		3	(6) MS20220-2, (1) S1052-1
182L,M,N[1]	18258506 thru 18260445	PULL-KT-37	6	3	6	8		3	(8) MS20220-2, (1) S1052-1
182N[1]	18260446 thru 18260669	PULL-KT-38	8	3	6	8		3	(8) MS20220-2, (1) S1052-1
182N[1],P[1]	18260670 thru 18262465	PULL-KT-86	8	3	6	8		3	(8) MS20220-2, (1) S1052-1, (1) S1710-1
182P[1],Q,R	18262466 thru 18268615	PULL-KT-39	13	3	6	8		3	(8) MS20220-2, (1) S1052-1, (1) S1710-1
T182	18267716 thru 18268615	PULL-KT-39	13	3	6	8		3	(8) MS20220-2, (1) S1052-1, (1) S1710-1
182S, 182T	18208001 and on	PULL-KT-80	13	3	6	8		3	(9) MS20220-2, (1) S1052-1, (1) S1710-1
F182P,Q	F18200001 thru F18200169	PULL-KT-39	13	3	6	8		3	(8) MS20220-2, (1) S1052-1, (1) S1710-1
FR182	FR18200001 thru FR18200070	PULL-KT-40	3	1	16	16		3	(8) MS20220-2, (1) S1052-1, (1) S1710-1
R182,TR182	R18200001 thru R18202041	PULL-KT-40	3	1	16	16		3	(8) MS20220-2, (1) S1052-1, (1) S1710-1
T182	T1820801 and on	PULL-KT-80	13	3	6	8		3	(9) MS20220-2, (1) S1052-1, (1) S1710-1
185,A,B,C	1850001 thru 1850776	PULL-KT-30	5	12	7	20	1	4	(1) MS20220-2
185D	1850777 thru 1850967	PULL-KT-31	5	12	7	22	1	4	(1) MS20220-2
185E,A185E[1]	1850968 thru 18501901	PULL-KT-32	5	12	7	22	1	8	(1) MS20220-2
A185E[1],F[1]	18501902 thru 18502310	PULL-KT-84	5	12	7	22	1	8	(1) MS20220-2, (1) S1710-1
A185F[1]	18502311 thru 18504448	PULL-KT-33	5	11	7	22	1	8	(2) MS20220-2, (1) S1710-1
188[1],A188[1]	1880001 thru 1880317	PULL-KT-41	2	5		6		4	(4) 1660433-1, (8) MS20220-1, (2) MS20220-2, (1) MS20220-4
	1880318 thru 1880572	PULL-KT-42	4	5		6		4	(4) 1660433-1, (8) MS20220-1, (2) MS20220-2, (1) MS20220-4
188A[1],A188A[1]	1880573 thru 1880707	PULL-KT-43	4	5		6		6	(4) 1660433-1, (8) MS20220-1, (2) MS20220-2, (1) MS20220-4, (1) S1052-1
188A[1],B[1], A188A[1],B[1]	1880708 thru 18801348 18800967T thru 188001348T	PULL-KT-44	4	5		6		6	(4) 1660433-2, (10) MS20220-2, (1) MS20220-4, (2) S1052-1
188B[1],A188B[1]	18801349 thru 18801402 18801349T thru 18801402T	PULL-KT-45	4	5		6		6	(4) 1660433-2, (1) MS20220-1, (10) MS20220-2, (1) MS20220-4, (2) S1052-1
	18801403 thru 18803856 18801403T thru 18803968T	PULL-KT-46	4	5		6		6	(4) 1660433-2, (1) MS20220-1, (1) S1710-1, (10) MS20220-2, (1) MS20220-4, (2) S1052-1
T188C	T18803297T thru T18803968T	PULL-KT-6	4	5		6		6	(4) 1660433-2, (1) MS20220-1, (10) MS20220-2, (1) MS20220-4, (2) S1052-1, (1) S1710-1
210-5 (205), 210-5A (205A)	2050001 thru 2050577	PULL-KT-47	11	3	6	22		3	(5) MS20220-2, (1) S1052-1
206,U206,A,B	2060001 thru U2060914	PULL-KT-48	7	4	6	26		6	(4) MS20220-1, (9) MS20220-2, (1) S1052-1
TU206A,B	2060438 thru U2060914	PULL-KT-48	7	4	6	26		6	(4) MS20220-1, (9) MS20220-2, (1) S1052-1
P206,TP206A,B	P2060001 thru P2060419	PULL-KT-48	7	4	6	26		6	(4) MS20220-1, (9) MS20220-2, (1) S1052-1
U206,TU206C,D,E[1]	U2060915 thru U20601667	PULL-KT-49	10	4	6	26		6	(4) MS20220-1, (11) MS20220-2, (1) S1052-1
P206,TP206C,D,E	P2060420 thru P2060647	PULL-KT-49	10	4	6	26		6	(4) MS20220-1, (11) MS20220-2, (1) S1052-1

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Pulleys and Pulley Kits for Cessna Aircraft continued from previous page

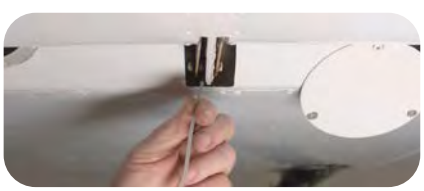
			Quantity per kit (kits include cotter pins)						
Model	Serial Number	Kit P/N	MCS378-1	MCS378-2	MCS378-3	MCS378-4	MCS378-5	S394	Other Pulleys
U206E[1],TU206E[1]	U20601668 thru U20601700	PULL-KT-50	10	4	6	26		6	(4) MS20220-1, (9) MS20220-2, (1) S1052-1, (1) S1710-1
U206F[1],TU206F[1]	U20601701 thru U20601874	PULL-KT-51	8	4	6	26		6	(4) MS20220-1, (11) MS20220-2, (1) S1052-1, (1) S1710-1
	U20601875 thru U20602199	PULL-KT-52	7	4	6	26		6	(4) MS20220-1, (11) MS20220-2, (1) S1052-1, (1) S1710-1
	U20602200 thru U20602579	PULL-KT-53	7	2	6	26		6	(4) MS20220-1, (9) MS20220-2, (2) MS20220-4, (1) S1052-1, (1) S1710-1
U206F[1],G[1] TU206F[1],G[1]	U20602580 thru U20603798	PULL-KT-54	7	1	6	20		6	(4) MS20220-1, (9) MS20220-2, (2) MS20220-4, (1) S1052-1, (1) S1710-1
U206G[1],TU206G[1]	U20603799 thru U20607020	PULL-KT-55	7		6	22		6	(4) MS20220-1, (8) MS20220-2, (2) MS20220-4, (1) S1052-1, (1) S1710-1
206H	20608001 and on	PULL-KT-56	7		6	18		4	(4) MS20220-1, (8) MS20220-2, (2) MS20220-4, (1) S1052-1, (1) S1710-1
T206H	T20608001 and on	PULL-KT-56	7		6	18		4	(4) MS20220-1, (8) MS20220-2, (2) MS20220-4, (1) S1052-1, (1) S1710-1
207[1],T207[1]	20700001 thru 20700204	PULL-KT-57	12	1	4	21		6	(4) MS20220-1, (11) MS20220-2, (7) S1052-1, (2) S1710-1
	20700205 thru 20700227	PULL-KT-58	12	1	4	21		6	(4) MS20220-1, (11) MS20220-2, (7) S1052-1, (3) S1710-1
	20700228 thru 20700267	PULL-KT-59	9	1	4	21		6	(4) MS20220-1, (9) MS20220-2, (7) S1052-1, (3) S1710-1
207[1],207A[1] T207[1],T207A[1]	20700268 thru 20700390	PULL-KT-60	9	1	6	15		6	(4) MS20220-1, (9) MS20220-2, (2) MS20220-4, (5) S1052-1, (3) S1710-1
	20700391 thru 20700788	PULL-KT-61	9	1	6	17		6	(4) MS20220-1, (8) MS20220-2, (2) MS20220-4, (5) S1052-1, (3) S1710-1
208[1]	20800001 thru 20800145	PULL-KT-87		3		13			(6) MS20220-1, (2) MS20220-3, (18) S378-4S
	20800146 thru 20899999	PULL-KT-88		2		13			(6) MS20220-1, (2) MS20220-3, (18) S378-4S
208B	All	PULL-KT-89		2	1	13			(6) MS20220-1, (2) MS20220-3, (19) S378-4S
210,A	57001 thru 21057840	PULL-KT-62	5	4	11	22		3	(9) MS20220-2, (2) S1052-1
210B,C	21057841 thru 21058220	PULL-KT-63	7	4	6	28		3	(4) MS20220-2, (2) S1052-1
210D,E,F	21058221 thru 21058818	PULL-KT-64	7	3	6	28		6	(4) MS20220-1, (9) MS20220-2, (1) S1052-1
T210F	T2100001 thru T2100197	PULL-KT-64	7	3	6	28		6	(4) MS20220-1, (9) MS20220-2, (1) S1052-1
210G	21058819 thru 21058936	PULL-KT-65	7		6	28		2	(12) MS20220-2, (2) MS20220-3, (8) S1710-1
T210G	T2100198 thru T2100307	PULL-KT-65	7		6	28		2	(12) MS20220-2, (2) MS20220-3, (8) S1710-1
210H[1]	21058937 thru 210859030	PULL-KT-66	11		6	28		2	(12) MS20220-2, (2) MS20220-3, (8) S1710-1
	21059031 thru 21059061	PULL-KT-67	11		6	28		2	(11) MS20220-2, (2) MS20220-3, (4) S1710-1
T210H[1]	T2100308 thru T2100378	PULL-KT-66	11		6	28		2	(12) MS20220-2, (2) MS20220-3, (8) S1710-1
	T2100379 thru T2100392	PULL-KT-67	11		6	28		2	(11) MS20220-2, (2) MS20220-3, (4) S1710-1
210J	21059062 thru 21059199	PULL-KT-68	15		6	28		2	(11) MS20220-2, (2) MS20220-3, (4) S1710-1
T210J	T2100393 thru T2100454	PULL-KT-68	15		6	28		2	(11) MS20220-2, (2) MS20220-3, (4) S1710-1
210K,L[1]	21059200 thru 21060089	PULL-KT-69	14	1	7	26		2	(11) MS20220-2, (2) MS20220-3, (4) S1710-1
210L[1],M,N[1]	21060090 thru 21064135	PULL-KT-71	12	1	7	28		2	(11) MS20220-2, (2) MS20220-3, (4) S1710-1
210N[1],T210N[1]	21064136 thru 21064897	PULL-KT-77	12	1	7	28		2	(11) MS20220-2, (6) MS20220-3, (5) S1710-1
210R,T210R	21064898 thru 21065009	PULL-KT-78	8		7	28		2	(9) MS20220-2, (4) MS20220-3, (5) S1710-1
P210N	P21000001 thru P21000834	PULL-KT-81	12	1	7	28		2	(11) MS20220-2, (2) MS20220-3, (5) S1710-1
P210R	P21000835 thru P21000874	PULL-KT-82	8		7	28		2	(9) MS20220-2, (4) MS20220-3, (5) S1710-1

[1] Partial model eligibility

D A M™ Aircraft Pulley Oil

New name, same dependable oil!
Featuring a re-designed needle oiler
Great for unreachable areas with traditional applicators

- Does not dry out and get sticky
- Loosens old stiff pulley grease
- Save the labor of re-oiling the control system every year!





20" Extension P/N 7249 now sold separately!

Convenient Kits	
Qty	Description
P/N PULLEY OIL KT	
1	Pint, Pulley Oil
1	Needle Oiler with Extension, .34 fl oz (10mL)
P/N PULLEY OILER KT	
1	Needle Oiler with Extension, .34 fl oz (10mL)
P/N PULLEY OIL	
1	Pint, Pulley Oil

Rudder Pedals for Cessna Aircraft

P/N AP2000-01

FAA-PMA direct replacement for Cessna P/N 1460320-1

- Less money and longer life!
- Bronze bushings at the pivot points resist wear and vibration for longer pedal life
- Precision cast heat treated aluminum alloy
- Powder coat finish for durability and corrosion protection

Bronze bushings for a longer life!



Rudder Pedal Bar

Avoid risk of costly damage during assembly
P/N AD1260558-1 (LH)
P/N AD1260558-2 (RH)

Each bar includes P/N S1003-43A bearings (2) and P/N 1260419-1 tube (1) pre-assembled. This avoids damage commonly caused while pressing the bearings during installation.

FAA-PMA approved

Aircraft Model	Part Number AD1260558-1	AD1260558-2
210-5 (205), 210-5A (205A)	•	•
206, U206G, TU206G	•	•
206H, T206H	•	•
207A, T207A	•	•
210M,N,R, T210M,N,R, P210	•	



P/N AD1260558-1



P/N AD1260558-2

Rudder Pedal Shaft

FAA-PMA approved Fwd and Aft





P/N AD0411778-2 Fwd
140A
150, 150A, F150, FA150
152, A152, F152, FA152
170, 170A,B
172, 172A,B,C,D,E,F,G,H,I,J,K,L,M,N,P
F172D,E,F,G,H,I,J,K,L,M,N,P
172RG, P172, R172E,F,G,H,K, FP172, FR172
175, 175A,B
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R
A182, F182, FR182, R182, TR182
185, 185A,B,C,D,E, A185E,F
190, 190A, 195, 195A,B
210-5 (205), 210-5A (205A)
206, U206, U206A,B,C,D,E, P206, P206A,B,C,D,E
207, T207
210, 210A,B,C,D,E,F,G,H,J,K, T210G,H,J

P/N AD1460501-21 Aft
150A,B,C,D,E,F,G,H,J,K,L,M
A150K,L,M, F150K,L,M, FA150L,M
172D,E,F,G,H,K,L,M,N,P, 172RG
F172D,E,F,G,H,K,L,M,N,P
FP172, FR172E,F,G,H,J,K, P172D,R172K
177, 177A,B
180F,G,H,J,K
182E,F,G,H,J,K,L,M,N,P,Q,R
F182P,Q, FR182, R182, T182, TR182
185B,C,D,E, A185E,F
188, 188A,B A188, A188A,B, T188C
210-5 (205), 210-5A (205A)
U206F,G
207, 207A, T207, T207A
210C,D,E,G,H,J,K,L,M,N, T210K,L,M,N
336
337, 337A,B,C,D,E,F,G,H, F337E,F,G,H, FT337E, F337GP, T337B,C,D,E,F,G,H

U-Joint Taper Pin Removal Tool

P/N TOOL107

- Save time and money
- Easy removal of stuck pins!
- Prevents damage from hammering behind the panel
- Compact to get in tight places
- Heat treated 4140 Alloy Steel



Witness Hole Drill Fixture

Piper P/N 766-585

A convenient tool for older universal joints that don't have a witness hole. Use to drill a witness hole in Piper universal joints per Piper service bulletin 1197C.

Saves time! Avoids disassembly of U-joint and shaft.



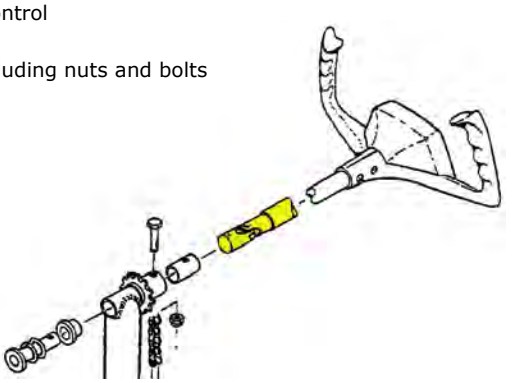
Control Yoke Universal Joint for Cessna Aircraft

P/N MC0411257: Universal joint with protective sleeve
P/N UJC-KT-1: Universal joint with protective sleeve and attaching hardware

- Eliminates slack for precise and responsive control
- Replace worn or corroded joints
- Available separately or in a convenient kit including nuts and bolts

Protective sleeve now included with every universal joint!

Model
120, 140, 140A
150
150A,B,C,D,E,F,G,H,J,K,L,M
A150K,L,M,
F150F,G,H,J,K,L,M
FA150K,L,M, FRA150L,M
152, A152, F152, FA152
170, 170A,B,
172, 172A,B,C,D, F172D, FP172, P172D
172E,F,G,H,I,J,K,L,M,N,P,Q,R,S, T-41A
172RG, F172E,F,G,H,I,J,K,L,M,N,P
FR172E,F,G,H,I,J,K, R172K
R172E,F,G,H
175, 175A,B,C
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B,C,D
185, 185A,B,C,D,E, A185E,F
210, 210A



P/N MC0411257
Universal joint with protective sleeve



P/N UJC-KT-1
Universal joint with protective sleeve and attaching hardware



P/N UJC-KT-1 Kit Components		
Qty	Component	Description
2	AN3-10A	Bolt
2	AN3-11A	Bolt
1	MC0411257	Universal Joint (with sleeve P/N MC6183)
2	MS21044N3	Nut

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Control Yoke Universal Joint Kits for Piper Aircraft

Save over 60% off Piper price. Just our reamer saves you $100!

- Individual parts also available separately
- Hardened stainless steel - Nitrided wear surfaces
- Eliminates free motion for precise and responsive control
- Replace worn or corroded joints

Helps comply with AD 2010-15-10





AD 2010-15-10 and Piper service bulletin 1197C requires inspection of the connection between the control yoke u-joint and the shaft on the forward (engine) end of the joint. This inspection is a convenient time to replace worn out u-joints. McFarlane has kits including the u-joint, shaft, taper pins, taper reamer, drill bit and other hardware to help comply with this AD. Available at a fraction of the cost compared to Piper.

Contact us to have your replacement U-joint, P/N CA62834-802SS precision match drilled and avoid having to re-rig the control system.

Universal Joint Kits			
Model	**Serial Number**	**Left** *(Pilot)* [2]	**Right** *(Copilot)* [2]
PA-28-140 [1]	28-20001 thru 28-20160	UJP-KT-3	UJP-KT-5
	28-20161 thru 28-21845	UJP-KT-4	UJP-KT-5
	28-21846 thru 28-21930	UJP-KT-1	UJP-KT-2
	28-21931 thru 28-21934	UJP-KT-4	UJP-KT-5
	28-21935 thru 28-25400	UJP-KT-1	UJP-KT-2
	28-25401 thru 28-7725290	UJP-KT-2	UJP-KT-2
PA-28-150 [1]	28-1 thru 28-1760, 28-03, 28-1760A	UJP-KT-3	UJP-KT-5
	28-1761 thru 28-3377	UJP-KT-4	UJP-KT-5
	28-3378 thru 28-4377	UJP-KT-1	UJP-KT-2
PA-28-151	All	UJP-KT-2	UJP-KT-2
PA-28-160 [1]	28-1 thru 28-1760, 28-03, 28-1760A	UJP-KT-3	UJP-KT-5
	28-1761 thru 28-3377	UJP-KT-4	UJP-KT-5
	28-3378 thru 28-4377	UJP-KT-1	UJP-KT-2
PA-28-161	All	UJP-KT-2	UJP-KT-2
PA-28-180 [1]	28-671 thru 28-1760, 28-03	UJP-KT-3	UJP-KT-5
	28-1761 thru 28-3377	UJP-KT-4	UJP-KT-5
	28-3378 thru 28-4377	UJP-KT-1	UJP-KT-2
	28-4378 thru 28-7505260, 28-E13	UJP-KT-2	UJP-KT-2
PA-28-181	All	UJP-KT-2	UJP-KT-2
PA-28-201T	All	UJP-KT-2	UJP-KT-2
PA-28-235 [1]	28-10001 thru 28-10486	UJP-KT-3	UJP-KT-5
	28-10487 thru 28-10719	UJP-KT-4	UJP-KT-5
	28-10720 thru 28-11039	UJP-KT-1	UJP-KT-2
	28-11040 thru 28-7710089, 28E-11	UJP-KT-2	UJP-KT-2
PA-28-236	All	UJP-KT-2	UJP-KT-2
PA-28R-180	All	UJP-KT-2	UJP-KT-2
PA-28R-200,201	All	UJP-KT-2	UJP-KT-2
PA-28R-201T	All	UJP-KT-2	UJP-KT-2
PA-28RT-201	All	UJP-KT-2	UJP-KT-2
PA-28RT-201T	All	UJP-KT-2	UJP-KT-2
PA-28S-160 [1]	28-1 thru 28-1760, 28-1760A	UJP-KT-3	UJP-KT-5
PA-28S-180 [1]	28-671 thru 28-1760	UJP-KT-3	UJP-KT-5
	28-1761 thru 28-3377	UJP-KT-4	UJP-KT-5
	28-3378 thru 28-4377	UJP-KT-1	UJP-KT-2
	28-4378 thru 28-7105234	UJP-KT-2	UJP-KT-2
PA-32-260 [1]	32-1 thru 32-600, 32-03, 32-04	UJP-KT-4	UJP-KT-5
	32-601 thru 32-690	UJP-KT-1	UJP-KT-2
	32-691 thru 32-7800008	UJP-KT-2	UJP-KT-2
PA-32-300 [1]	32-15, 32-21	UJP-KT-4	UJP-KT-5
	32-40000 thru 32-40415	UJP-KT-1	UJP-KT-2
	32-40416 thru 32-7940290	UJP-KT-2	UJP-KT-2
PA-32-301	All	UJP-KT-2	UJP-KT-2
PA-32-301T	All	UJP-KT-2	UJP-KT-2
PA-32R-300	All	UJP-KT-2	UJP-KT-2
PA-32R-301,301T	All	UJP-KT-2	UJP-KT-2
PA-32RT-300	All	UJP-KT-2	UJP-KT-2
PA-32RT-300T	All	UJP-KT-2	UJP-KT-2
PA-32S-300 [1]	32S-15	UJP-KT-4	UJP-KT-5
	32S-40000 thru 32S-40415	UJP-KT-1	UJP-KT-2
	32S-40416 thru 32S-7240137	UJP-KT-2	UJP-KT-2
PA-34-200,200T	All	UJP-KT-2	UJP-KT-2
PA-34-220T	All	UJP-KT-2	UJP-KT-2
PA-44-180,180T	All	UJP-KT-2	UJP-KT-2

[1] Partial model eligibility
[2] For kits including the Taper Reamer and Drill Bit, add suffix "T"

Kit Components		
Part Number	**Description**	**Qty**
UJP-KT-1		
CA62834-802SS	Universal Joint	1
AN386-1-6A	Taper Pin	2
NAS1149F0363P	Washer	2
AN975-3	Washer	2
404-526	Nut	2
404-156	Nut	2
UJP-KT-1T		
UJP-KT-1	See above	1
6532	Taper Reamer	1
6533	#5 Drill Bit	1
UJP-KT-2		
CA62834-802SS	Universal Joint	1
62716-007	Shaft	1
AN386-1-6A	Taper Pin	2
NAS1149F0363P	Washer	2
AN975-3	Washer	2
404-526	Nut	2
404-156	Nut	2
UJP-KT-2T		
UJP-KT-2	See above	1
6532	Taper Reamer	1
6533	#5 Drill Bit	1
UJP-KT-3		
CA62834-000SS	Universal Joint	1
AN386-1-6A	Taper Pin	2
NAS1149F0363P	Washer	2
AN975-3	Washer	2
404-526	Nut	2
404-156	Nut	2
UJP-KT-3T		
UJP-KT-3	See above	1
6532	Taper Reamer	1
6533	#5 Drill Bit	1
UJP-KT-4		
CA62834-000SS	Universal Joint	1
62716-004	Shaft	1
AN386-1-6A	Taper Pin	2
NAS1149F0363P	Washer	2
AN975-3	Washer	2
404-526	Nut	2
404-156	Nut	2
UJP-KT-4T		
UJP-KT-4	See above	1
6532	Taper Reamer	1
6533	#5 Drill Bit	1
UJP-KT-5		
CA62834-000SS	Universal Joint	1
62716-007	Shaft	1
AN386-1-6A	Taper Pin	2
NAS1149F0363P	Washer	2
AN975-3	Washer	2
404-526	Nut	2
404-156	Nut	2
UJP-KT-5T		
UJP-KT-5	See above	1
6532	Taper Reamer	1
6533	#5 Drill Bit	1

Trim Wheel Stop Catch Assembly for Cessna Aircraft

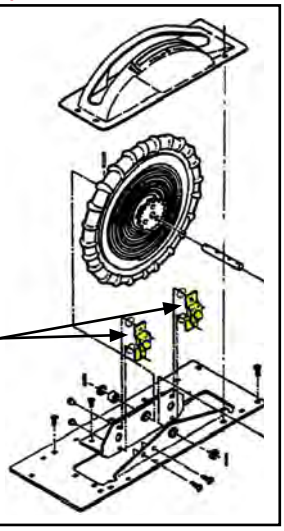
Save more than 75%

Long Service Life!

- FAA-PMA direct replacement
- Improved durable button for extended life

Maintenance Tip:
Mild creep in the trim system is often caused by worn out trim wheel stop catches. We offer improved stop catches at a fraction of the cost!





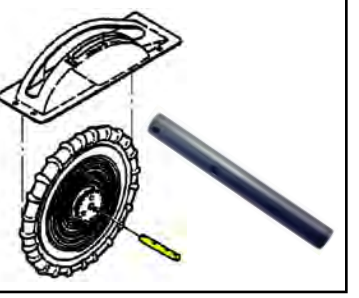
P/N	Aircraft
MC0713023-3	180, 180A,B,C,D,E,F
MC0713827-1	180G,H,J,K
MC0713023-3	182, 182A,B,C,D
MC0713023-3	185, 185A,B
MC0713827-1	185C,D,E, A185E,F

Trim Wheel Shaft

P/N AD0761205-9

FAA-PMA approved for Cessna 180H,J,K, 185D,E, A185E,F

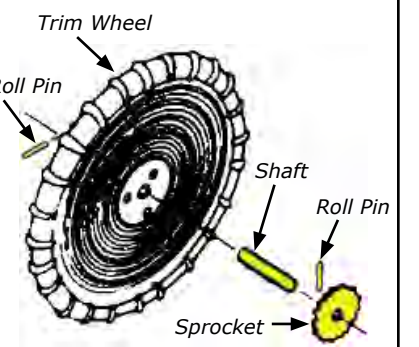
- Save $$$
- Better roll pin engagement; enlarged or mangled roll pin holes create a safety issue



Trim Wheel Shafts and Sprockets for Cessna Aircraft

Elevator trim shaft and sprocket for most 172 thru 185 and early 210 models.
Rudder trim sprocket for many 182, 205, 206, 207 models.
Aileron trim sprocket for Caravan 208 and 208B aircraft.

- Stainless Steel
- Heat treated shafts for extra strength
- Resists roll pin hole wear
- Roll pins in stock - P/N MS16562-25 (qty: 2 required per shaft)



Aircraft Model		Part Number MC0432134-1 Sprocket	MC0761210-1 Sprocket	MC0713656-3 Trim Wheel Shaft	MC0761205-2 Trim Wheel Shaft	MC0761205-9 Trim Wheel Shaft
120, 140, 140A	All	●				
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150K,L,M, F150F,G,H,J,K,L,M, FA150K,L,M	All	●				
152, A152, F152, FA152	All	●				
170, 170A,B	All	●				
172, 172A,B,C,D,E, F172D,E, FP172, P172	All	●				
172F,G,H,I,J,K,L,M,N,P,Q,R,S, 172RG, F172F,G,H,K,L,M,N,P, FR172E,F,G,H,J,K, R172E,F,G,H,K	All	●		●		
175, 175A,B,C	All	●				
177, 177A,B, 177RG, F177RG	All	●				
180, 180A,B,C,D,E,F,G,H	30000 thru 18051607		●		●	
180H,J,K	18051608 and On		●			●
182, 182A,B,C,D	All		●		●	
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T	All	●	● 1	●		
F182P,Q	All	●	● 1			
FR182	All	●		●		
R182	R18200001 thru R18201798	●	● 1	●		
	R18201799 and On	●		●		
T182	18267716 thru 18268055	●	● 1	●		
	18268056 and On	●		●		
T182T	All	●	● 1	●		
TR182	R18200584 thru R18201798	●	● 1	●		
	R18201799 and On	●		●		
185, 185A,B,C,D,E, A185E	185-0001 thru 185-0949		●		●	
	185-0950 and On		●			●
A185F	18502091 thru 18502310		●			●
	18502311 and On					●
188, 188A,B, A188, A188A,B, 188B (w/large hopper), T188C	All		●			
210-5 (205), 210-5A (205A)	All		● 1			
206, 206H, T206H, U206, U206A,B,C,D,E,F,G, TU206A,B,C,D,E,F,G, P206, P206A,B,C,D,E, TP206A,B,C,D,E	All		● 1			
207, 207A, T207, T207A	All		● 1			
208B	208B0001 thru 208B1111		● 2			
210, 210A	All	●			●	







MC0713656-3



MC0761205-2



MC0761205-9

Notes:
All eligibility shown is for elevator/stabilizer/stabilator trim system except where noted below.
1 Used in rudder trim system
2 Used in aileron trim system

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

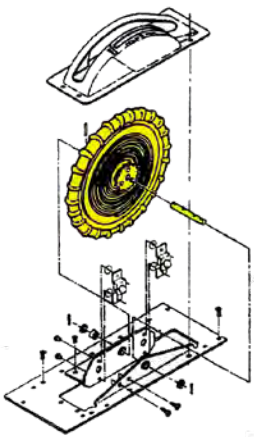
Trim Wheel for Cessna Aircraft

Newly designed sprocket is already fastened to the trim wheel, taking the load off of the shaft and roll pins!
P/N CESSNA TRIM WHEEL KIT
P/N CESSNA TRIM WHEEL KIT-S

- STC approved for Cessna 180, early 182, 185
- Hard anodized aluminum for durability
- Eliminate roll pin shear

Hardware and roll pins included!





Scan QR code to watch product video
https://youtu.be/_6Bqs5nHXwk

Aircraft	Part Number
180, 180A,B,C,D,E,F,G	CESSNA TRIM WHEEL KIT-S
180H,J,K	CESSNA TRIM WHEEL KIT
182, 182A,B,C	CESSNA TRIM WHEEL KIT-S
185, 185A,B,C,D 1	CESSNA TRIM WHEEL KIT-S
185D 2 ,E,F	CESSNA TRIM WHEEL KIT

Notes:
1 S/N 185-0001 thru 185-0949
2 S/N 185-0950 and on

Tail Bushing and Spacer

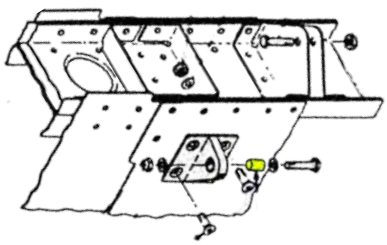
FAA-PMA approved for Cessna

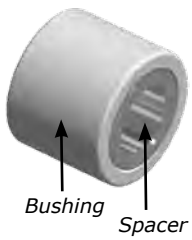
NEW

Bushing
P/N MC0760679-2
Stronger PEEK material, outlasts Delrin!

Save $$$

Spacer
P/N MC0732101-7
Heat-treated stainless steel for corrosion and wear resistance





Aircraft
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B,C,D
185, 185A,B,C,D,E, A185E,F
A188B, T188C
210-5 (205), 210-5A (205A)
210B,C

Stabilizer Hinge Bracket ***Coming Soon!***

Stabilizer Jack Screw Actuator Kit

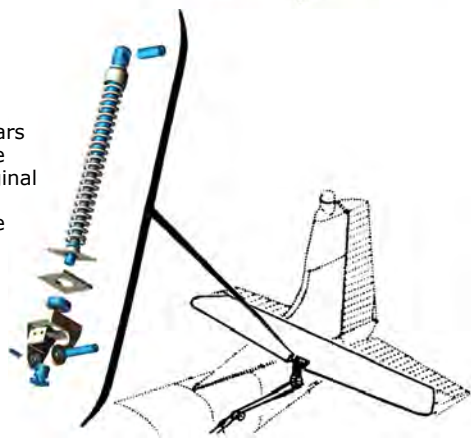
Convenient Kit
Our FAA-PMA/STC approved kit replaces all wear components for the stabilizer actuator assemblies for many Cessna 180, 180A-K, 182, 182A-D, 185, 185A-E, A185E-F aircraft.

Improved Material for Extreme Corrosion Resistance
We replaced the original steel components with duplex stainless steel (even better than Monel) for a long life, even in harsh saltwater.

Improved Bearing
Now improved with ***Black Max***™ nitrocarburized coating to reduce friction and extend service life.







Improved Strength and Reliability
The original Cessna actuators use a 3/32" roll pin to attach the sprockets and retaining collars to the screw bars. These pins are critical as the front of the stabilizer would detach from the airframe if they failed. Although the original roll pins are technically strong enough, the original design is marginal in strength. To provide a more robust design, McFarlane redesigned the sprocket and retaining collar to allow the use of a 5/32" roll pin. This more than doubles the strength of the design. The screw and barrel are match machined for a precision fit.

P/N 1111 Kit Components	
Description	**P/N**
Barrel	
Match Drilled Assembly 1	
Stainless Steel Roller Chain	6361 3
Connecting Link	6464 3
Eccentric Upper Bushing	6458 3
Lower Bushing	6459 3
Bearing	6460 3
Spring Pin	6461 2 3

Notes:
1 Consists of the Screw Bar, Bearing, and Sprocket match drilled as a set
2 Can only be used as a replacement with McFarlane P/N 1111
3 Can be purchased separate from the kit

Original Cessna Components	
P/N 1111 includes all parts required to replace the following Cessna parts in both left-hand and right-hand actuators.	
Description	**P/N**
Sprocket	0310332
Screw-bar	0712500-11
Barrel	0712500-13
Collar-Retainer	0712500-7
Bushing Eccentric	0712502
Bushing	0712500-7
Bearing	MS20201KP6A
	AN201KP6A
Roll Pin	NAS561-3-8
Chain	0432138-3
	S2295-25-185
Plug	0712500-19

Maintenance Tip:
If the stabilizer is sluggish or jams, clean the barrel and screw jack and re-apply a coating of MIL-PRF-23827 low temperature grease.

For complete instructions, scan the QR code
www.mcfarlaneaviation.com/media/documents/doc-6465.pdf

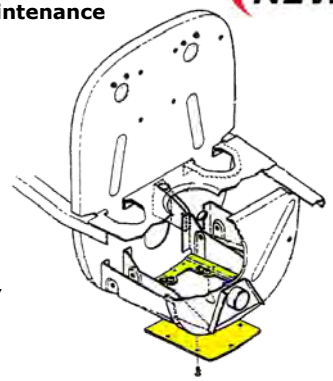
Stabilizer Jack Screw Access Cover

NEW

Faster and easier access to the horizontal stabilizer jack screw for inspection and maintenance

FAA-PMA approved for
Cessna 180 and 185 aircraft

- Quick easy access to tail cone and jack screws
- Saves time
- Adds airplane value!
- Save $$$



See previous page for Jack Screw

Aircraft
180, 180A,B,C,D,E,F,G,H,J,K
185, 185A,B,C,D,E,F A185E,F

Horizontal Stabilizer Spacer & Bushing

Spacer P/N AD0732101-7
Bushing P/N AD0760679-2
FAA-PMA Direct Replacement



P/N AD0732101-7



P/N AD0760679-2

Model	Spacer	Bushing
180		•
180A,B,C,D,E,F,G,H,J	•	•
180K		•
182, 182A,B,C,D	•	•
185, 185A,B,C,D,E, A185E,F	•	•
A188B, T188C	•	
210-5(205), 210-5A(205A)	•	
210, 210A,B,C	•	

Maintenance Tip:
Check horizontal stabilizer spacer and bushing when servicing stabilizer jack screws.

Stabilizer Jack Screw Pin Tool

P/N TOOL131
For Cessna 180, 182, 185 Jack Screws

- Safely remove and easily install your roll pin with a wrench
- No more damaging your jack screw by using a punch and hammer
- Manufactured with hardened stainless steel for increased tool life
- Works only with the larger McFarlane pin sold with P/N 1111



Avoid *costly* damage!



See previous page for Jack Screw

Trim Actuator Boot and Clamp

Boot P/N MC0712500-18
Clamp P/N MC7137
FAA-PMA approved

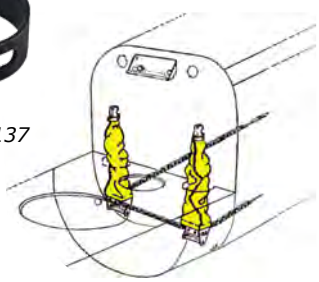
- Fits all 180, 180A-K, 182, 182A-D, 185, 185A-E, A185E-F
- McFarlane recommends replacing the boot and clamp at the same time
- Flexible, durable, and long life material designed to resist MIL-PRF 23827 grease



Boot
P/N MC0712500-18



Clamp
P/N MC7137

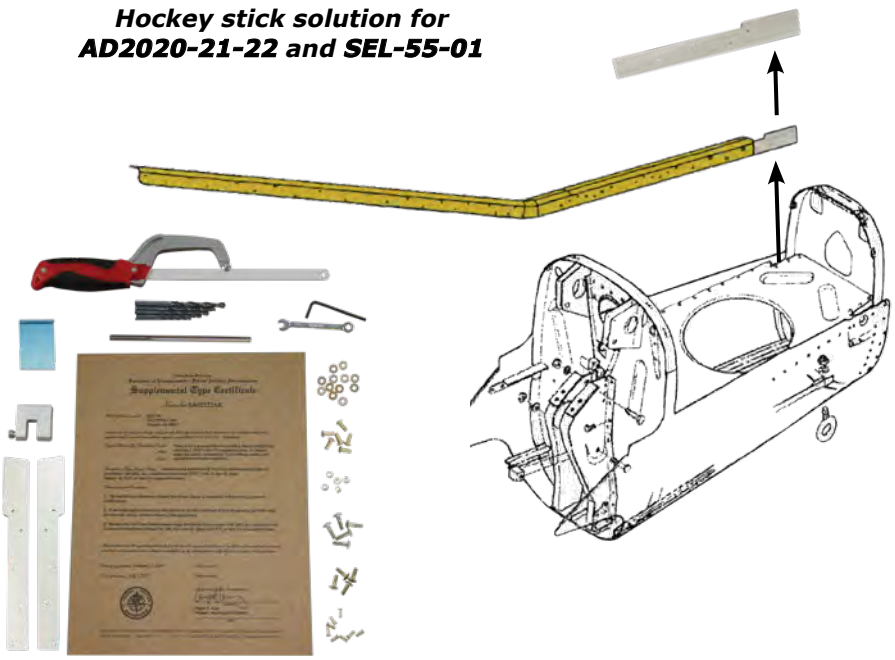


Tail Cone Angle Kit

Repair your cracked hockey sticks!
STC approved for Cessna aircraft
P/N TAIL CONE ANGLE KIT

- Save thousands $$$ on parts and labor
- Short installation time
- Stronger than the original
- Kit includes special tools for installation

Hockey stick solution for AD2020-21-22 and SEL-55-01



New! Reinforcement Improvements

- Improved geometry for better alignment
- New finish for better crack resistance
- Improved rivet edge margin
- Improved rivet match

NEW

Aircraft
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B,C,D
185, 185A,B,C,D,E, A185E,F

Scan the QR code to watch this product video!
https://youtu.be/UcV2XLiFpGc

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Trim Tab Actuator for Cessna Aircraft

FAA-PMA P/N MC1260074-1

- Save hundreds $$$
- Nitride hard coated stainless screw for wear and corrosion resistance
- Alumabronze inner barrel prevents corrosion and wear
- Hard anodized sprocket resists chain wear
- Every assembly is tested to -80° F
- Economical actuator service and test, repair, or exchange services



Our Trim Tab Actuator incorporates many design improvements that resolve the known problems of the OEM parts. Longer lasting coatings are utilized for increased service life, smoother operation, and improved corrosion resistance.

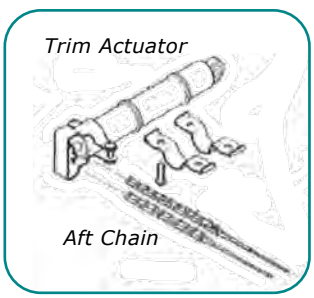
Our Trim Tab Actuator is manufactured with high-strength hard stainless steel alloy that has McFarlane's ***Black Max***™ nitro-carburized coating for maximum wear, low friction, and smoother thread operation than the OEM part. The sprocket is made from stronger aluminum, then anodized for wear and corrosion protection.

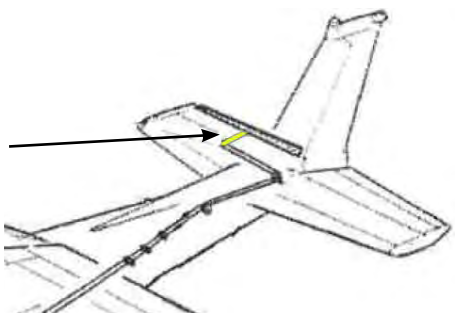
1000 Hour Services per Cessna SE73-25

We now offer replacement components and 1000 hour services for **$495**!
(Pricing valid through December 2022)

- Disassemble, clean, inspect, reset backlash, test, and return to service
- Includes new housing, sintered bearings, groove pins, o-rings, and nuts
- Additional replacement parts quoted at time of service







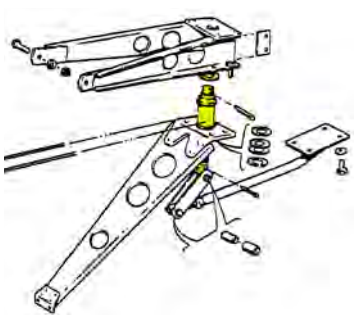
Trim Tab Actuator P/N MC1260074-1	
Aircraft	**Location**
120, 140, 140A	Elevator
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150K,L,M, F150F,G,H,J,K,L,M, FA150K,L,M, FRA150L,M	Elevator
152, A152, F152, FA152	Elevator
170, 170A,B	Elevator
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S, 172RG, F172D,E,F,G,H,K,L,M,N,P, FP172, FR172E,F,G,H,J,K, P172D, R172E,F,G,H,K	Elevator
175, 175A,B,C	Elevator
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T, F182P,Q, FR182, R182, T182, T182T, TR182	Elevator
188, 188A,B, A188, A188A, A188B Includes with large hopper, T188C	Elevator
190, 195, 195A,B	Elevator
210-5 (205), 210-5A (205A)	Elevator
206, P206, P206A,B,C,D,E, TP206A,B,C,D,E, TU206A,B,C,D,E,F, U206, U206A,B,C,D,E,F	Elevator
207, T207 [1]	Elevator
210, 210A,B,C,D,E,F,G,H,J,K,L [2], T210F,G,H,J,K,L [2]	Elevator
310, 310B,C,D,F,G,H,I,J, J-1, E310H,J	Elev. & Aileron
310K [3]	Elev. & Aileron Elevator
310P,Q,R, T310P,Q,R [4]	Elevator
320, 320-1, 320A,B,C,D	Elev. & Aileron
320E [5]	Aileron
411, 411A	Elevator

Notes:
[1] S/N 20700001 thru 20700227
[2] S/N 57001 thru 21060089
[3] S/N 310K0001, 310K0046 thru 310K0245
[4] S/N 310P0001 thru 310R1500
[5] S/N 320E0001

Stabilator Trim Kits for Piper

Save time and $$$ with convenient kits!

PSTAB-KT-1 Components		
Description	**Part Number**	**Qty**
Trim Shaft	CA65246-100	1
Trim Barrel	CA63530-100	1
Bearing	452-413	2
PSTAB-KT-2 Components		
Description	**Part Number**	**Qty**
Trim Shaft	CA65246-002	1
Trim Barrel	CA96596-002	1
Bearing	Bearing	2





Maintenance Tip:
When replacing the stabilator trim barrel, consider replacing the stabilator trim cables too. See our Flight Control Cables section of this catalog.

Shafts and barrels manufactured by PMA Products.
Bearing manufactured by Piper.

Model	P/N
PA28-140,150,151,160,161,180,181	PSTAB-KT-1
PA28-235 [1], 236	PSTAB-KT-1
PA28-201T [2]	PSTAB-KT-1
PA28R-180, 200, 201, 201T	PSTAB-KT-1
PA32, PA32R	PSTAB-KT-1
PA34-200 [3]	PSTAB-KT-2
PA34-200T, PA34-220T	PSTAB-KT-2

Notes:
[1] S/N 28-10606 and on.
[2] S/N 28-7921001 to 28-7921095
[3] S/N 34-7350185 and on
Some trim barrels supplied by Piper were incorrectly manufactured and must be replaced. See Piper SB1251 or later revised service bulletin. This SB is not applicable to P/N CA63530-100 manufactured by PMA Products, Inc., however P/N CA63530-100 may be used to replace trim barrels affected by the service bulletin.

Aileron, Elevator, Elevator Trim, Flap and Rudder Skins for Cessna

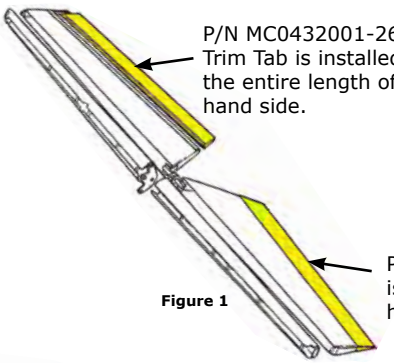
Smooth rudder and elevator skins for 150 thru 172 models

- Available as convenient kits or individually
- No pre-drilled holes to misalign
- Cut to shape to match the OEM skins
- More precise corrugation spacing and shape
- FAA-PMA direct replacement

See following pages for aircraft eligibility







P/N MC0432001-26 Elevator Trim Tab is installed across the entire length of the right hand side.

P/N MC0432001-34 is installed in the left hand trailing edge.

Figure 1

Better and costs less!



Aileron Skin Kit Components			
Kit P/N	**Qty**	**P/N**	**Location**
SKN-KT-AIL1	1	MC0523800-6	Upper Inbd LH
	1	MC0523800-7	Upper Inbd RH
	1	MC0523800-8	Upper Otbd LH
	1	MC0523800-9	Upper Otbd RH
	1	MC0523800-10	Lower Inbd LH
	1	MC0523800-11	Lower Inbd RH
	1	MC0523800-12	Lower Otbd LH
	1	MC0523800-13	Lower Otbd RH
SKN-KT-AIL2	1	MC1624001-5	Upper Inbd LH
	1	MC1624001-6	Upper Inbd RH
	1	MC1624001-9	Upper Otbd LH
	1	MC1624001-10	Upper Otbd RH
	1	MC1624001-3	Lower Inbd LH
	1	MC1624001-4	Lower Inbd RH
	1	MC1624001-7	Lower Otbd LH
	1	MC1624001-8	Lower Otbd RH
SKN-KT-AIL3	1	MC1220085-11	Upper LH
	1	MC1220085-12	Upper RH
	1	MC1220085-13	Lower LH
	1	MC1220085-14	Lower RH
SKN-KT-AIL4	2	MC0424000-10[1]	Aileron
	2	MC0424000-20[1]	Aileron

Elevator Skin Kit Components			
Kit P/N	**Qty**	**P/N**	**Location**
SKN-KT-ELEV1	1	MC0334100-3	Tab Upper
	1	MC0334100-4	Tab Lower
	1	MC0334100-5	Upper RH
	1	MC0334100-6	Lower RH
	1	MC0334200-3	Lower LH
	1	MC0334200-4	Upper LH
SKN-KT-ELEV2	1	MC0534100-4	Upper LH
	1	MC0534100-5	Lower LH
	1	MC0534101-4	Lower RH
	1	MC0534101-5	Upper RH
SKN-KT-ELEV3	1	MC0532001-36	Upper RH
	1	MC0532001-37	Lower LH
	1	MC0532001-38	Lower RH
	1	MC0532001-39	Upper LH
SKN-KT-ELEV4	1	MC055044-1	Lower LH
	1	MC055044-2	Lower RH
	1	MC055044-3	Upper LH
	1	MC055044-4	Upper RH
SKN-KT-ELEV5	2	MC0734600-4	Upper LH & Lower RH
	2	MC0734600-9	Upper RH & Lower LH

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SKN-KT-ELEV6	1	MC0734600-4	Upper LH
	1	MC0734600-9	Lower LH
	1	MC0734600-14	Lower RH
	1	MC0734600-15	Upper RH
SKN-KT-ELEV7	1	MC1234600-5	Upper LH
	1	MC1234600-6	Upper RH
	1	MC1234600-7	Lower LH
	1	MC1234600-8	Lower RH
SKN-KT-ELEV8	1	MC0434141-1[1]	Upper LH
	1	MC0434140-2[1]	Upper RH
	1	MC0434142-3[1]	Lower LH
	1	MC0434135-4[1]	Lower RH
	1	MC0434135-10[1]	Tab Upper
	1	MC0434135-11[1]	Tab Lower
	1	MC0434141-1[1]	Upper LH
SKN-KT-ELEV9	1	MC0434140-2[1]	Upper RH
	1	MC0434142-3[1]	Lower LH
	1	MC0434135-4[1]	Lower RH
	1	MC0434135-15[1]	Tab Upper
	1	MC0434135-16[1]	Tab Lower

Flap Skin Kit Components			
Kit P/N	**Qty**	**P/N**	**Location**
SKN-KT-FLP1	1	MC0426901-10	Upper RH
	1	MC0426901-11	Upper LH
	1	MC0426901-6	Lower LH
	1	MC0426901-7	Lower RH
SKN-KT-FLP2	1	MC0523901-4	Upper LH
	1	MC0523901-5	Upper RH
	1	MC0523901-6	Lower LH
	1	MC0523901-7	Lower RH
SKN-KT-FLP3	2	MC0523901-201	Upper LH, RH
	1	MC0523901-6	Lower LH
	1	MC0523901-7	Lower RH
SKN-KT-FLP4	1	MC0523901-21	Upper LH
	1	MC0523901-22	Upper RH
	1	MC0523901-19	Lower LH
	1	MC0523901-20	Lower RH
SKN-KT-FLP5	1	MC0523901-25	Upper LH
	1	MC0523901-26	Upper RH
	1	MC0523901-27	Lower LH
	1	MC0523901-28	Lower RH
SKN-KT-FLP6	1	MC0523901-25	Upper Inbd LH
	1	MC1220100-20	Upper Inbd RH
	1	MC1220100-5	Upper Otbd LH
	1	MC1220100-6	Upper Otbd RH
	1	MC0523901-27	Lower Inbd LH
	1	MC1220100-18	Lower Inbd RH
	1	MC1220100-3	Lower Otbd LH
	1	MC1220100-4	Lower Otbd RH

Continued in next column

Continued from previous column

SKN-KT-FLP7	1	MC0523901-25	Upper Inbd LH
	1	MC0523901-26	Upper Inbd RH
	1	MC1220100-5	Upper Otbd LH
	1	MC1220100-6	Upper Otbd RH
	1	MC0523901-27	Lower Inbd LH
	1	MC0523901-28	Lower Inbd RH
	1	MC1220100-3	Lower Otbd LH
	1	MC1220100-4	Lower Otbd RH
SKN-KT-FLP8	1	MC1220100-33	Upper Inbd LH
	1	MC1220100-34	Upper Inbd RH
	1	MC1220100-5	Upper Otbd LH
	1	MC1220100-6	Upper Otbd RH
	1	MC1220100-35	Lower Inbd LH
	1	MC1220100-36	Lower Inbd RH
	1	MC1220100-3	Lower Otbd LH
	1	MC1220100-4	Lower Otbd RH
SKN-KT-FLP9	2	MC0425000-10[1]	Upper LH, RH
	2	MC0425000-20[1]	Lower LH, RH
SKN-KT-FLP10	2	MC0426900-2[1]	Upper LH, RH
	2	MC0426900-4[1]	Lower LH, RH
SKN-KT-FLP11	2	MC0525000-10[1]	Upper LH, RH
	2	MC0525000-20[1]	Lower LH, RH
SKN-KT-FLP12	2	MC0523900-10[1]	Upper LH, RH
	2	MC0523900-20[1]	Lower LH, RH

Rudder Skin Kit Components			
Kit P/N	**Qty**	**P/N**	**Location**
SKN-KT-RUD1	1	MC0333000-4	Upper LH
	1	MC0333000-5	Upper RH
	1	MC0533000-4	Lower LH
	1	MC0533000-5	Lower RH
	1	MC0333116[1]	Rudder Tab
SKN-KT-RUD2	1	MC0533000-20	Upper LH
	1	MC0533000-21	Upper RH
	1	MC0533000-4	Lower LH
	1	MC0533000-5	Lower RH
SKN-KT-RUD3	1	MC0531001-8	LH
	1	MC0531001-9	RH
SKN-KT-RUD4	1	MC0731000-13	LH
	1	MC0731000-14	RH
SKN-KT-RUD5	2	MC0333000-4	LH
	2	MC0333000-5	RH
	1	MC0333116[1]	Rudder Tab
SKN-KT-RUD6	1	MC0433000-30[1]	LH
	1	MC0433000-40[1]	RH
	1	MC0433127[1]	Rudder Tab

[1] FAA-PMA/STC. Includes instructions to replace spot welds with rivets.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Skins Eligibility continued from previous page

Model	Aileron Skins	Elevator Skins	Elev. Trim Skins	Flap Skins	Rudder Skins
120	SKN-KT-AIL4	SKN-KT-ELEV8		N/A	SKN-KT-RUD6
140	SKN-KT-AIL4	SKN-KT-ELEV8		SKN-KT-FLP9	SKN-KT-RUD6
140A	SKN-KT-AIL1	SKN-KT-ELEV9		SKN-KT-FLP10	SKN-KT-RUD6
150,A,B,C,D,E	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0431001-3 (trl. edge)
150F,G,H,J,K,L	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0431004-43
150M, A150M, F150M, FA150M	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0433010-8
A150K,L, F150F,G,H,J,K,L, FA150K,L	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0431004-43
152, A152, F152[1], FA152[2]	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	N/A
170	SKN-KT-AIL4	SKN-KT-ELEV1	N/A	SKN-KT-FLP11	SKN-KT-RUD1
170A	N/A	N/A	N/A	SKN-KT-FLP12	SKN-KT-RUD1
170B	SKN-KT-AIL1	SKN-KT-ELEV2	N/A	SKN-KT-FLP2	SKN-KT-RUD2
172	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	SKN-KT-RUD3
172A,B,C	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	MC0531006-8
172D,E,F[3]	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-8
172F[4],G,H,I,K,L,M,N,P[4]	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
172P[5],Q,R,S, (T-41A)	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0533150-3 (Aft)
172RG[6]	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
172RG[7]	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0533150-3
F172D,E,F[8]	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-8
F172F[9],G,H,K,L,M,N,P[9]	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
F172P[10]	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0533150-3 (Aft)
FP172	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	N/A
FR172E,F,G,H,J	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP3	MC0531006-70
FR172K	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70[21]
P172D	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-8
R172E[11],F,G,H	N/A	N/A	N/A	N/A	MC0531006-70
R172K	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70[21]
175	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	SKN-KT-RUD3
175A,B,C	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	MC0531006-8
180,A,B,C,D,E	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	SKN-KT-RUD4
180F,G,H,J,K	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP3	SKN-KT-RUD4
182, 182A,B	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	SKN-KT-RUD4
182C,D	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	N/A
182E,F,G	SKN-KT-AIL1	SKN-KT-ELEV6	N/A	SKN-KT-FLP4	N/A
182H,J,K,L,M,N,P,Q,R,S,T	SKN-KT-AIL1	SKN-KT-ELEV7	N/A	SKN-KT-FLP4	N/A
A182J,K,L,N[12]	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP4	N/A
F182P,Q, FR182, R182[13], TR182[13], T182, T182T	SKN-KT-AIL1	SKN-KT-ELEV7	N/A	SKN-KT-FLP4	N/A
185,A,B,C,D,E, A185E[14]	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	SKN-KT-RUD4
A185E,F[15]	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP3	SKN-KT-RUD4
188, 188A,B, A188, A188A,B, T188C	SKN-KT-AIL2	SKN-KT-ELEV6	N/A	SKN-KT-FLP4	SKN-KT-RUD4
190,195,195A,B[16]	N/A	SKN-KT-ELEV1	N/A	N/A	SKN-KT-RUD5
190,195,195A,B[17]	N/A	N/A	N/A	N/A	SKN-KT-RUD5
205 (210-5), 205A (210-5A)	SKN-KT-AIL1	SKN-KT-ELEV6	N/A	SKN-KT-FLP5	N/A
206, U206, U206A,B, TU206A,B	SKN-KT-AIL3	SKN-KT-ELEV7	N/A	SKN-KT-FLP6	N/A
U206C,D,E,F,G, TU206C,D,E,F,G	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP6	N/A
206H, T206H	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP6[20]	N/A
P206, P206A,B	SKN-KT-AIL3	SKN-KT-ELEV7	N/A	SKN-KT-FLP7	N/A
P206C,D,E, TP206A,B,C,D,E	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP7	N/A
207,A, T207,A	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP8	N/A
210,A	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP2	N/A
210B[18]	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP4	N/A
210B[19]	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP5	N/A
210C	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP5	N/A
210D,E,F, T210F	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP7	N/A

Notes:

Elevator Tab skins only included in SKN-KT-ELEV1.

1 Kits are approved S/N F15201429 thru F152201952
2 Kits are approved S/N FA1520337 thru FA1520387
3 S/N 46755 thru 17252000
4 S/N 17252001 thru 17275953
5 S/N 17275954 and On
6 S/N 172RG0001 thru 172RG1134
7 S/N 172RG1135 and On
8 S/N F172-0001 thru F172-0119
9 S/N F172-0120 thru F17202208
10 S/N F17202209 and On
11 S/N R172-0302 thru R1720620
13 Kits are approved S/N All except R18201315
14 Kits are approved S/N 185-0001 thru A185-1167
15 Kits are approved S/N 18501168 thru 18504448
16 Kits are approved S/N 7004 thru 16083
17 Kits are approved S/N 16084 thru 16183
18 Kits are approved S/N 21057841 thru 21058003
19 Kits are approved S/N 21058004 thru 21058085
20 Kit is approved for S/N 20608001 thru 20608173, T20608001 thru T20608361
21 If equipped with rudder assembly 0531006-108 use MC0531006-70. If equipped with rudder assembly 0533150-5 use MC0533150-3.

Unless otherwise noted, approval is for all serial numbers for each model listed.

Flap Trailing Edge Stiffener for Cessna Aircraft

New streamline shape and improved fit to reduce stress cracks

FAA-PMA Stiffener made of 6061 T6 Alumimum material. Logbook entry is all that is required.

What is the purpose of a flap trailing edge stiffener?

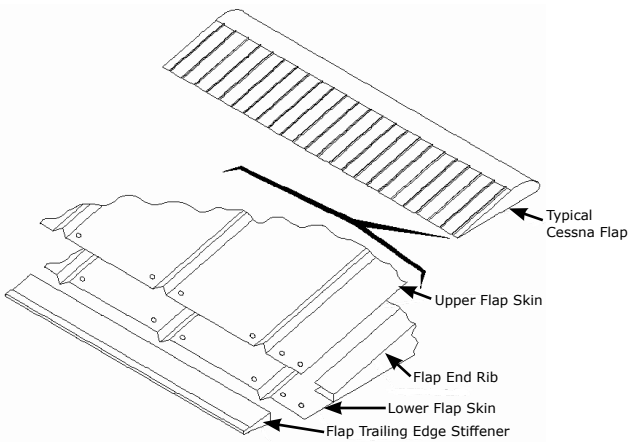
- Reinforce the flap trailing edge making it more resilient to hangar rash
- Ensure a straight trailing edge! Without a stiffener, the trailing edge tends to have "wavy" appearance where the top and bottom skin rivet together
- Reduce stress in the flap skins and prevent cracks around the rivets. Without a stiffener of the proper shape, the skin must abruptly bend where the top and bottom skins rivet together
- Provide a blunt surface, thus preventing diamond shaped cut patterns on the foreheads of pilots and passengers

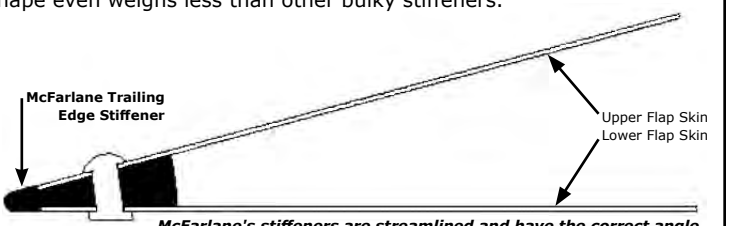
New Improved Fit to Reduce Skin Stress

Our new McFarlane stiffeners are accurately shaped to the same angle that the top and bottom skins come together to completely eliminate the bending stress due to riveting the skins together. This prevents stress concentrations in the skin corrugations and near the rivets making cracks less likely. McFarlane has improved the stiffener angle as compared to other brand of triangle stiffeners.

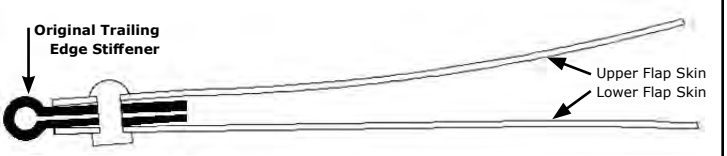
New Streamline Shape

Our new design smoothly transitions from the skin surface to a blunt trailing edge without an unsightly bulb and resultant drag found on common trailing edge stiffeners. The new shape even weighs less than other bulky stiffeners.





McFarlane's stiffeners are streamlined and have the correct angle



Original stiffeners deform the skins, resulting in cracks, strain in the corrugation, and stress around the rivet heads.

Early airplanes did not have a stiffener, but it can be added.

Aircraft	Part Number
150, 150A,B,C,D,E,F,G,H,J,K,L,M	MC1741-79.5
A-150L, A-A150L, A150K,L,M	MC1741-79.5
F150F,G,H,J,K,L,M	MC1741-79.5
FA150K,L,M	MC1741-79.5
FRA150L,M	MC1741-79.5
152, A152, F152, FA152	MC1741-79.5
170B	MC1741-79.5
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S	MC1741-79.5
172RG	MC1741-79.5
F172D,E,F,G,H,K,L,M,N,P	MC1741-79.5
FP172	MC1741-79.5
FR172E,F,G,H,J,K	MC1741-79.5
P172D	MC1741-79.5
R172E,F,G,H,K	MC1741-79.5
175, 175A,B,C	MC1741-79.5
180, 180A,B,C,D,E,F,G,H,J,K	MC1741-79.5
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T	MC1741-79.5
F182P,Q	MC1741-79.5
FR182, R182, T182, T182T, TR182	MC1741-79.5
185, 185A,B,C,D,E, A185E,F	MC1741-79.5
188, 188A,B, A188, A188A,B, T188C	MC1741-79.5
(205) 210-5	MC1741-79.5
(205A) 210-5A	MC1741-79.5
206, 206H, T206H	MC1741-116.25
P206, P206A,B,C,D,E	MC1741-116.25
TP206A,B,C,D,E	MC1741-116.25
TU206A,B,C,D,E,F,G	MC1741-116.25
U206, U206A,B,C,D,E,F,G	MC1741-116.25
207, 207A, T207, T207A	MC1741-116.25
210, 210A,B,C	MC1741-79.5
210D,E,F	MC1741-116.25

FAA-PMA/STC Skins

Now STC approved for 120, 140, 170 and 195 series aircraft to replace trailing edge spot welds with rivets! STC with instructions included.



Photo courtesy of Julian Herzog

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Flap Tracks for Cessna Aircraft

Replace worn-out tracks to prevent dangerous and expensive binding problems!

- Improved Material
  - 20% Stronger
  - 6 Times fatigue strength
  - Greater resistance to 'mushrooming' and stress cracking
- Precision machined for smooth rolling action
- No pre-drilled holes for a precise, clean installation
- Replace just the track, not the entire rib assembly: Eliminates the need to drill into the fuel tank area (Cessna only lists the rib assembly for most aircraft)
- Alodined then epoxy primed per MIL-PRF-23377 for corrosion protection
- Installation instructions included

See next page for Flap Roller Kits!


MC1221064-19


MC0523231-14


MC1221064-21


MC1221010-8


MC1220048-1


MC1221064-20


MC0525001-2


MC2622075-4


MC2622075-5


MC2622075-6

Cessna Flap Track Rib Assembly P/N	Cessna Flap Track P/N	McFarlane Flap Track P/N
0523231-13	0523231-14 5	MC0523231-14
0523231-21		
0523231-23		
0525001-1	0525001-2 5	MC0525001-2
0525001-1S		
2425001-1		
1220058-1	1220048-1 5	MC1220048-1
1220052-2		
1221010-7	1221010-8 5	MC1221010-8
1221010-7AGW		
1221010-15		
1221010-16		
1221010-19		
1221010-19AGW		
1221010-20		
1221010-20AGW		
N/A	1221064-19 6	MC1221064-19
	1221064-20 6	MC1221064-20
	1221064-21 6	MC1221064-21

Aircraft	Quantity per Aircraft								
	MC0523231-14	MC0525001-2	MC1220048-1	MC1221010-8	MC1221064-19	MC1221064-20	MC1221064-21	MC2622075-4	MC2622075-5	MC2622075-6
150,150A,B,C,D,E,F,G,H,J,K,L,M	4									
A150K,L,M	4									
F150F,G,H,J,K,L,M, FA150K,L,M	4									
152 1 S/N 15279406 thru 15285564 2	4	4								
152 1 S/N 15285565 thru 15286033		4								
A152 1 S/N A1520735 thru A1521014 2	4	4								
A152 1 S/N A1521015 thru A1521049		4								
F152 1 S/N F15201429 thru F15201908 2	4	4								
F152 1 S/N F15201909 thru F15201980		4								
FA152 1 S/N FA1520337 thru FA1520387 2	4	4								
FA152 1 S/N FA1520388 thru FA1520425		4								
170B	4									
172,172A,B,C,D,E,F,G,H,I,K,L,M,N	4									
172P,R,S, F172P		4								
172RG S/N 172RG0001 thru 172RG0409 2	4	4								
172RG S/N 172RG0410 thru 172RG1191		4								
F172D,E,F,G,H,K,L,M,N	4									
FP172	4									
FR172E,F,G,H,J,K 1 S/N FR17200591 thru FR17200665	4									
FR172K 1 S/N FR17200666 thru FR17200675		4								
P172D	4									
R172E,F,G,H,K	4									
R172K 1 S/N R1723400 thru R1723454		4								
175,175A,B,C	4									
177,177A,B,177RG,F177RG					2	2	2			
180,180A,B,C,D,E,F,G,H,J,K				4						
182,182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q				4						
182S,T				4						
F182P,Q				4						
FR182				4						
R182, T182, T182T				4						
185,185A,B,C,D,E,A185E,F				4						
188A,B,A188B				4						
210-5 (205), 210-5A (205A)				4						
206,U206,U206A,B,C,D,E,F,G,TU206F,G			2	4						
206H,T206H				6						
P206,P206A,B,C,D,E			2	4						
207,207A,T207,T207A			2	4						
208 S/N 20800001 thru 20800164 3								4		2
208 S/N 20800001 thru 20800164 4								2	2	2
208 S/N 20800165 thru 20899999								4		2
208B S/N 208B0001 thru 208B0194 3								4		2
208B S/N 208B0001 thru 208B0194 4								2	2	2
208B S/N 208B0195 thru 208B9999								4		2
210A,B,C				4						
210D,E,F			2	4						
210G,H,J,K,L,M,N,R					2	2	2			
P210N,R					2	2	2			
T210F			2	4						
T210G,H,J,K,L,M,N,R					2	2	2			

Notes:

1 Partial model eligibility

2 Models may have various flap track rib assemblies installed. If rib assembly P/N 0523231-23 is currently installed, then McFarlane P/N MC0523231-14 must be used to replace the flap track. If rib assembly P/N 0525001-1, 0525001-1S, or 2425001-1 is installed, then P/N MC0525001-2 replaces the flap track. Rib assembly P/N 0523231-23 includes a 0.160" thick flap track with no lightening hole. Rib assembly P/Ns 0525001-1, 0525001-1S, 2425001-1 include a 0.25" thick flap track with a 2.25" lightening hole located between the flap roller slots.

3 With service kit SK208-71

4 Without service kit SK208-71

5 P/Ns do not appear in Illustrated Parts Catalogs; only track assy P/Ns are listed.

6 P/Ns appear directly in Illustrated Parts Catalogs; no assembly P/Ns exist.

Flap Track Wear Gauge for Cessna Aircraft

P/N 950

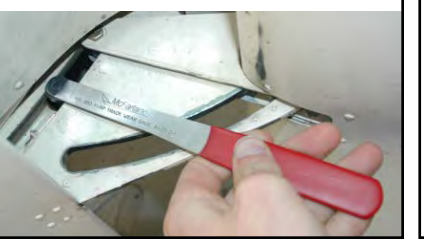
Use to determine if a Cessna flap track is worn beyond service limits.

Flap Track Wear Gauge Instructions

Run the gauge plug along each slot in each flap track while verifying that the gauge will not enter the slot. Reposition the flaps as required to gauge the entire length of each slot. If the gauge enters a slot at any point, the track is worn beyond service limits. Periodically verify the gauge diameter by measuring the gauge diameter with a calibrated micrometer.



This gauge will work for all single engine Cessnas except 140A, 170A and 195



Flap Wear Buttons

P/N S1093-1

- Prevents flap leading edge skin wear
- Nylon construction
- Available in 30 packs

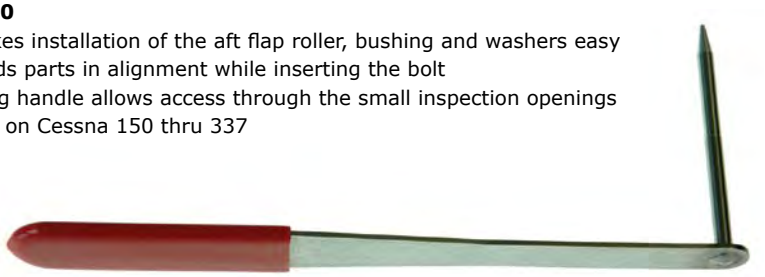


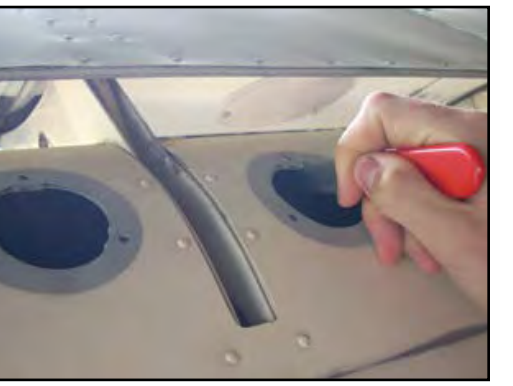
Manufactured by Cessna

Flap Roller Installation Tool

P/N 970

- Makes installation of the aft flap roller, bushing and washers easy
- Holds parts in alignment while inserting the bolt
- Long handle allows access through the small inspection openings
- Use on Cessna 150 thru 337





Flap Roller Kits for Cessna Aircraft

McFarlane offers a basic flap roller kit or an upgrade kit to address flap arm wear problems. Each flap roller kit contains enough components for one aircraft. All components are also available separately.

See eligibility and kit component lists on the following page.

Now available!

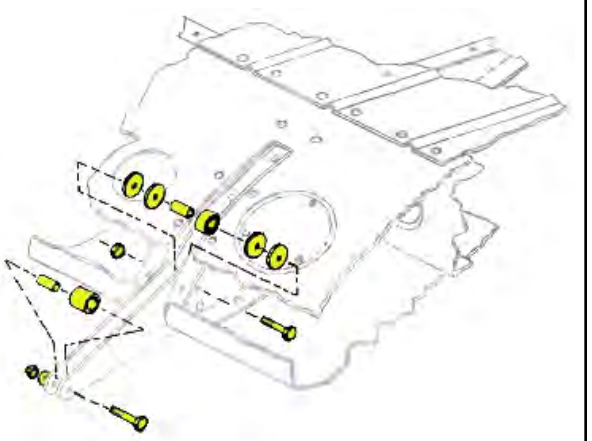
Flap roller kits for Cessna Caravan 208 and Skymaster 336/337 aircraft

Basic kits

Rollers, bushings, shims and spacers where required

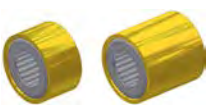
Upgrade kits

Rollers, bushings, shims, spacers where required, MCSK100 Flap Service Kits, wear washers, SEB95-3 Rev. 1 and hardware (nuts, bolts and washers)



Rollers

- Cadmium plated for corrosion resistance
- Precision bearings for smooth, reliable operation



Bushings

- Heat treated bearing quality stainless steel
- Precision ground
- Improved wear and corrosion resistance



Shims and Spacers

- Stainless steel shims
- Self-lubricating nylon spacers



Hardware

- Nuts, bolts and washers
- Extra hardware included, installer must determine correct nut, bolt, and washer combination for their aircraft



Wear Washers and SEB95-3 Rev. 1

- Stops forward roller location flap arm wear
- Service Bulletin SEB95-3 Rev. 1 is copyrighted by Cessna



MCSK100 Flap Roller Service Kits

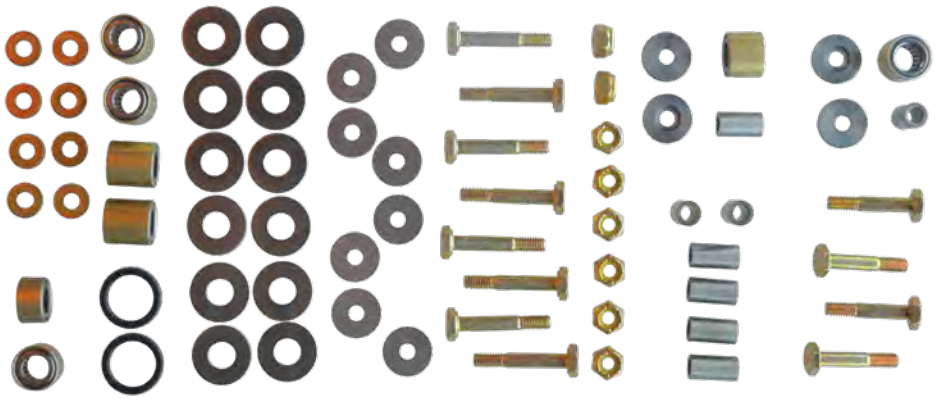
- Stops aft roller location flap arm wear
- Unique McFarlane solution



Flap Roller Kits and MCSK100 on the following pages!

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Flap Roller Kits for Cessna Aircraft continued from previous pages



Flap Roller Kit components on next page



Model	Serial Number	Part Numbers
150,150A,B,C, D,E,F,G,H,J	All	FLP-KT-1 or 1U
150K,L,M	All	FLP-KT-2 or 2U
A150K,L,M	All	FLP-KT-2 or 2U
F150F,G,H,J	All	FLP-KT-1 or 1U
F150K,L,M	All	FLP-KT-2 or 2U
FA150K,L FRA150L,M	All	FLP-KT-2 or 2U
152[1]	15279406 thru 15285564	FLP-KT-2 or 2U
	15285565 thru 15286033	FLP-KT-3 or 3U
F152[1]	F15201429 thru F15201908	FLP-KT-2 or 2U
	F15201909 thru F15201980	FLP-KT-3 or 3U
A152[1]	A1520735 thru A1521014	FLP-KT-2 or 2U
	A1521015 thru A1521049	FLP-KT-3 or 3U
FA152[1]	FA1520337 thru FA1520387	FLP-KT-2 or 2U
	FA1520388 thru FA1520425	FLP-KT-3 or 3U
170B	All	FLP-KT-1 or 1U
172,172A,B,C	All	FLP-KT-1 or 1U
172D,E,F,G,H, I,K,L,M,N	All	FLP-KT-2 or 2U
172RG[1]	172RG0001 thru 172RG0416	FLP-KT-2 or 2U
	172RG0417 thru 172RG1191	FLP-KT-3 or 3U
172P,Q	All	FLP-KT-3 or 3U
172R	All	FLP-KT-3 or 3U
172S	All	FLP-KT-3 or 3U
F172D,E,F,G, H,K,L,M,N	All	FLP-KT-2 or 2U
F172P	All	FLP-KT-3 or 3U
FR172E,F	All	FLP-KT-1 or 1U
FR172G,H,J	All	FLP-KT-2 or 2U
FR172K	All	FLP-KT-8 or 8U
P172	All	FLP-KT-2 or 2U
R172K	All	FLP-KT-8 or 8U
175,175A,B,C	All	FLP-KT-1 or 1U
177,177A,B	All	FLP-KT-4 or 4U
177RG	All	FLP-KT-4 or 4U
F177RG	All	FLP-KT-4 or 4U
180,A,B,C,D, E,F,G,H,J[1]	30000 thru 18052384	FLP-KT-1 or 1U
180J[1],K	18052385 thru 18053203	FLP-KT-8 or 8U
182,182A,B,C,D	All	FLP-KT-1 or 1U
182,E,F,G,H,J, K,L,M,N,P,Q,R	All	FLP-KT-3 or 3U
182S,T	All	FLP-KT-3 or 3U
A182J,K,L,M,N	All	FLP-KT-3 or 3U
F182P,Q	All	FLP-KT-3 or 3U

Continued on next column

Model	Serial Number	Part Numbers
FR182	All	FLP-KT-3 or 3U
R182(RG)/TR182	All	FLP-KT-3 or 3U
T182T	All	FLP-KT-3 or 3U
185,185A,B,C,D,E/ A185E,F[1]	1850001 thru 18502310	FLP-KT-1 or 1U
A185F[1]	18502311 thru 18504448	FLP-KT-8 or 8U
188,188A,B A188A,B[1]	1880001 thru 18802348	FLP-KT-3 or 3U
A188B[1]	18800967T thru 18803968T	FLP-KT-3 or 3U
T188C	All	FLP-KT-3 or 3U
210-5 (205), 210-5A (205A)	All	FLP-KT-1 or 1U
206	All	FLP-KT-4 or 4U
206H/T206H	All	FLP-KT-11 or 11U
P206,A,B,C,D,E	All	FLP-KT-4 or 4U
TP206A,B,C,D,E	All	FLP-KT-4 or 4U
TU206A,B,C,D,E[1]	U2060487 thru U20601568	FLP-KT-4 or 4U
TU206E[1],F,G	U20601569 thru U20607020	FLP-KT-9 or 9U
U206, U206A,B,C,D,E[1]	U2060276 thru U20601568	FLP-KT-4 or 4U
U206E[1],F,G	U20601569 thru U20607020	FLP-KT-9 or 9U
207,207A, T207,T207A	All	FLP-KT-4 or 4U
208, 208A,B	All	FLP-KT-12
210,A,B,C	All	FLP-KT-1 or 1U
210D,E,F	All	FLP-KT-6
210G,H,J,K,L,M,N,R	All	FLP-KT-7
P210N,R	All	FLP-KT-7
T210F	All	FLP-KT-6
T210G,H,J,N	All	FLP-KT-7
336	All	FLP-KT-13
337, 337A,B,C,D,E,F,G,H	All	FLP-KT-14
F337E,F,G,H	All	FLP-KT-14
FT337E,F	All	FLP-KT-14
FT337GP, HP	All	FLP-KT-15
M337B	All	FLP-KT-14
P337H	All	FLP-KT-15
T337B,C,D,E,F	All	FLP-KT-14
T337G	All	FLP-KT-15
T337H	All	FLP-KT-14
T337H-SP	All	FLP-KT-15

[1] Partial model eligibility

Kit components are listed on the following page.

Save $$$ on hard to find MS21442-121 bearings included in FLP-KT-12 or puchase separately!

Component List for Flap Roller Kits for Cessna Aircraft

Each flap roller kit contains enough components for one aircraft. All basic kits include the rollers, bushings, shims, spacers where required and a copy of SEB95-3 Service Bulletin. The upgrade kits contain the same components, the wear washers required by Cessna SEB95-3 for the forward locations, MCSK100 Flap Roller Service Kits for the rear locations, and attachment nuts, bolts, and washers. Part numbers for the upgrade kits end in "U".

Note: SEB95-3 REV. 1 Service Bulletin is not applicable to 172R,S, 182S,T, T182T, 206H, T206H, 208, 336 and 337 aircraft.

Flap Upgrade Kits contain bolts, nuts and washers for several aircraft models. **The installer must determine the correct nut, bolt and washer combination for each installation.**

Qty	Part Number	Description
FLP-KT-1		
8	MC0523919	Bushings
2	MC0523920	Rollers
6	MC0523921	Rollers
12	MCS1450-5N12-050	Shims
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-1U		
4	AN3-10A	Bolts
8	AN3-11A	Bolts
6	MC0523919	Bushings
2	MC0523920	Rollers
4	MC0523921	Rollers
8	MCS14503S10-032	Wear Washers
12	MCS1450-5N12-050	Shims
2	MCSK100	Service Kits
8	MS21044N3	Nuts
8	NAS1149F0363P	Washers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-2		
8	MC0523919	Bushings
2	MC0523920	Rollers
6	MC0523921	Rollers
2	MC1220114-2	Spacers
12	MCS1450-5N12-050	Shims
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-2U		
4	AN3-10A	Bolts
8	AN3-11A	Bolts
6	MC0523919	Bushings
2	MC0523920	Rollers
4	MC0523921	Rollers
2	MC1220114-2	Spacers
8	MCS14503S10-032	Wear Washers
12	MCS1450-5N12-050	Shims
2	MCSK100	Service Kits
8	MS21044N3	Nuts
8	NAS1149F0363P	Washers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-3		
8	MC0523919	Bushings
2	MC0523920	Rollers
6	MC0523921	Rollers
4	MC1220114-1	Spacers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-3U		
4	AN3-10A	Bolts
8	AN3-11A	Bolts
6	MC0523919	Bushings
2	MC0523920	Rollers
4	MC0523921	Rollers
4	MC1220114-1	Spacers
8	MCS14503S10-032	Wear Washers
2	MCSK100	Service Kits
8	MS21044N3	Nuts
8	NAS1149F0363P	Washers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-4		
12	MC0523919	Bushings
2	MC0523920	Rollers
10	MC0523921	Rollers
4	MC1220114-1	Spacers
1	SEB95-3 REV. 1	Service Bulletin

Continued on next column

Continued from previous column

Qty	Part Number	Description
FLP-KT-4U		
6	AN3-10A	Bolts
12	AN3-11A	Bolts
8	MC0523919	Bushings
2	MC0523920	Rollers
6	MC0523921	Rollers
4	MC1220114-1	Spacers
12	MCS14503S 10-032	Wear Washers
4	MCSK100	Service Kits
12	MS21044N3	Nuts
12	NAS1149F0363P	Washers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-6		
2	MC0523920	Rollers
10	MC0523921	Rollers
12	MC0523919	Bushings
12	MCS1450-5N12-050	Shims
FLP-KT-7		
6	MC0523920	Rollers
6	MC0523921	Rollers
12	MC0523919	Bushings
12	MC1220114-1	Spacers
FLP-KT-8		
8	MC0523919	Bushings
2	MC0523920	Rollers
6	MC0523921	Rollers
4	MC1220114-1	Spacers
12	MCS1450-5N12-050	Shims
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-8U		
4	AN3-10A	Bolts
8	AN3-11A	Bolts
6	MC0523919	Bushings
2	MC0523920	Rollers
4	MC0523921	Rollers
4	MC1220114-1	Spacers
8	MCS14503S10-032	Wear Washers
12	MCS1450-5N12-050	Shims
2	MCSK100	Service Kits
8	MS21044N3	Nuts
8	NAS1149F0363P	Washers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-9U		
12	MC0523919	Bushings
4	MC0523920	Rollers
8	MC0523921	Rollers
8	MC1220114-1	Spacers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-9U		
10	AN3-10A	Bolts
8	AN3-11A	Bolts
6	MC0523919	Bushings
4	MC0523920	Rollers
2	MC0523921	Rollers
8	MC1220114-1	Spacers
4	MCS14503S10-032	Wear Washers
6	MCSK100	Service Kits
12	MS21044N3	Nuts
12	NAS1149F0363P	Washers
1	SEB95-3 REV. 1	Service Bulletin

Continued on next column

Continued from previous column

Qty	Part Number	Description
FLP-KT-11		
12	MC0523919	Bushings
4	MC0523920	Rollers
8	MC0523921	Rollers
8	MC1220114-1	Spacers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-11U		
6	AN3-10A	Bolts
12	AN3-11A	Bolts
8	MC0523919	Bushings
4	MC0523920	Rollers
4	MC0523921	Rollers
8	MC1220114-1	Spacers
8	MCS14503S10-032	Wear Washers
4	MCSK100	Service Kits
12	MS21044N3	Nuts
12	NAS1149F0363P	Washers
1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-12		
4	AN3-11A	Bolts
6	AN4-11A	Bolts
4	MC0523919	Bushings
4	MC0523921	Rollers
8	MCS1450S310 032	Wear Washers
4	MS21044N3	Nuts
6	MS21044N4	Nuts
6	MS21442-121	Bearings
4	NAS1149F0332P	Washers
4	NAS1149F0363P	Washers
6	NAS1149F0432P	Washers
6	NAS1149F0463P	Washers
FLP-KT-13		
16	AN3-10A	Bolts
16	MC0523919	Bushings
8	MC0523920	Rollers
8	MC0523921	Rollers
32	MCS1450-5N12-050	Shims
16	MS21045L3	Nuts
FLP-KT-14		
16	AN3-10A	Bolts
16	MC0523919	Bushings
8	MC0523920	Rollers
8	MC0523921	Rollers
16	MC1220114-1	Spacers
16	MS21045L3	Nuts
FLP-KT-15		
16	AN3-10A	Bolts
16	MC0523919	Bushings
8	MC0523920	Rollers
8	MC0523921	Rollers
16	MC1220114-1	Spacers
16	MS21044N3	Nuts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



McFarlane®

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Capabilities to support OEM requirements.

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- **Custom Push-Pull Controls**
- **Custom Flight Control Cables**
- **Delivering innovative solutions and phenomenal support at a fraction of the cost of the OEM**



We Make Custom Cables and Controls

SAFE-HEET™ Engine Heater

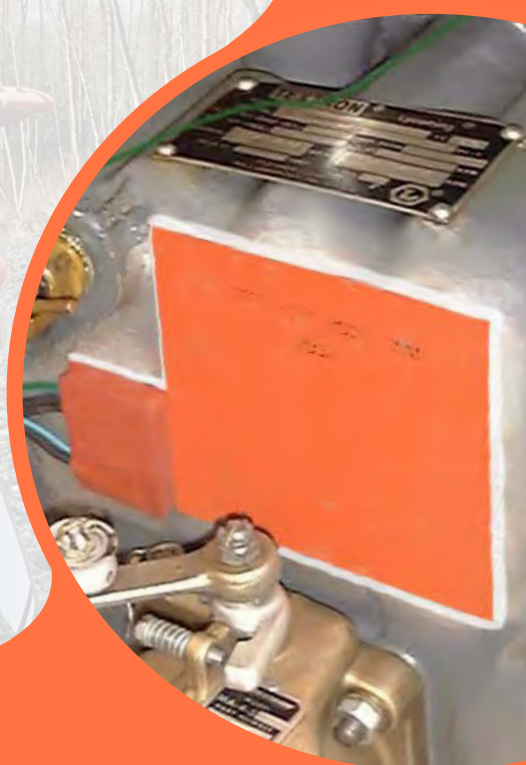
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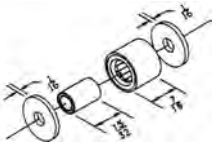
MCSK100 Flap Roller Service Kit for Cessna Aircraft

Stops flap arm wear! Prevents costly flap arm replacement

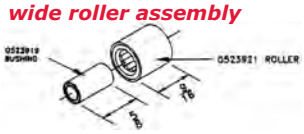
A permanent solution to the wear problem at the aft wide roller locations

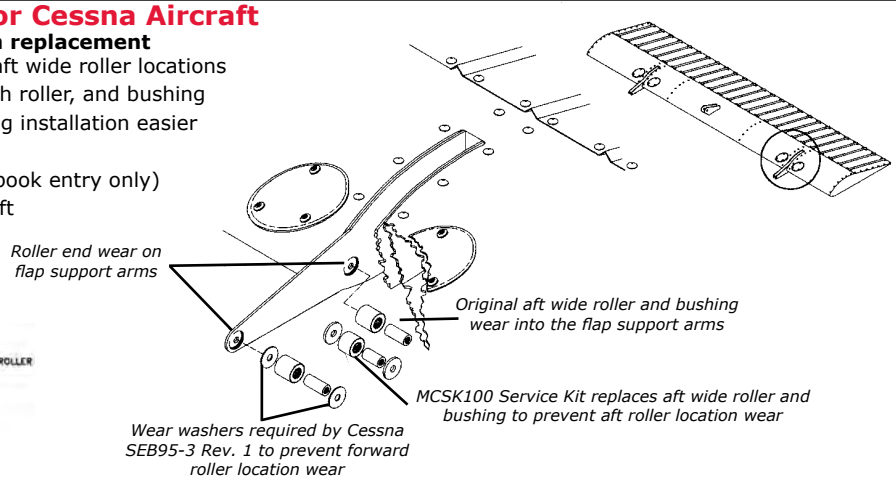
- Includes two stepped washers, a medium width roller, and bushing
- Stepped washers interlock with bushing making installation easier
- Replaces the aft wide roller and bushing
- FAA-PMA/STC approved (minor alteration: logbook entry only)
- Applicable to most single engine Cessna aircraft
- Economical!

MCSK100 Flap Roller Service Kit

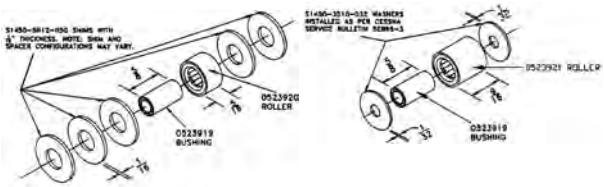


MCSK100 replaces aft wide roller assembly





MCSK100 DOES NOT replace forward wide roller assembly OR narrow roller assembly



Installation is a minor alteration and does not require filing FAA Form 337. Only a logbook entry is required.

It is important that the Cessna Service Bulletin SEB95-3 is fully complied with before MCSK100 is installed.

Technical Background:

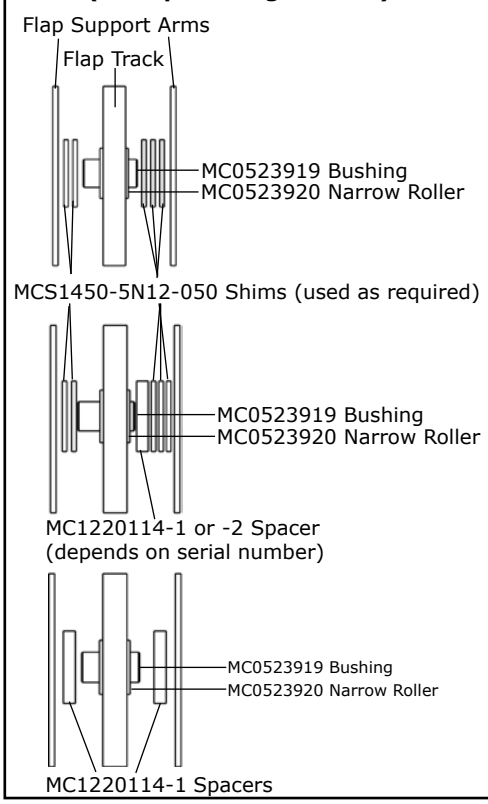
Flap rollers wear into the flap support arms on Cessna aircraft. This wear is caused by asymmetric extension or retraction of the flap during flight. Many factors can contribute to this condition, including rusty or damaged rollers or flap track imperfections. Asymmetry causes the rollers to be pressed against the flap support arms which, over time, causes damage to the flap support arms and structurally weakens the flap.

*Cessna Service Bulletin SEB95-3 (included in all FLP-KT kits) addresses this issue by calling for inspection and repair or replacement of the support arms and rollers. SEB95-3 also requires the installation of stainless steel washers on each side of the forward rollers to reduce wear between the roller and support arms. However, SEB95-3 did not offer a preventative solution to the wear problem experienced at the **aft** roller locations. **MCSK100 is a permanent solution that addresses aft flap support arm wear.***

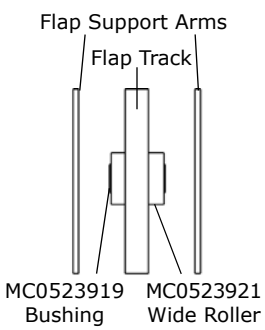
Cessna Flap Attachment Configurations

All configurations are for example only. Types and quantities of shims and spacers vary between aircraft. Refer to your aircraft's manual. McFarlane flap upgrade kits include all required bolts, nuts, and washers

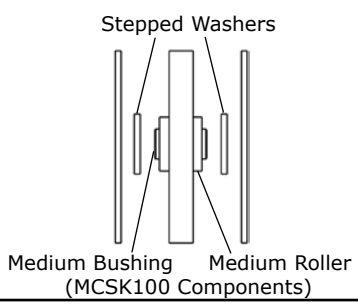
Aft Narrow Roller Locations (example configurations)



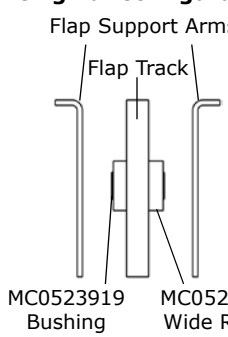
Aft Wide Roller Locations Original Configuration



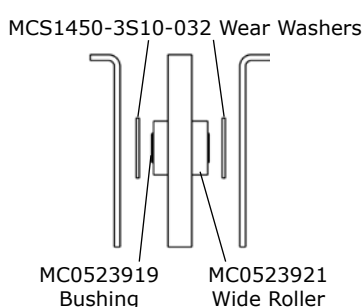
Aft Wide Roller Locations with MCSK100 Service Kit



Forward Roller Locations Original Configuration



Forward Roller Locations with Wear Washers per Cessna SEB95-3 Rev. 1



Aileron Rod Assembly for Piper PA-28/28R Series

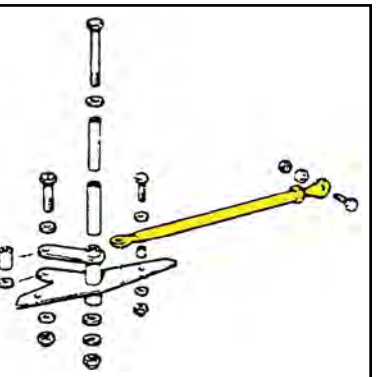
40% off Piper!
P/N CA62766-000

- High quality 4130 steel construction
- Replaceable aft rod end bearing (P/N CA452-334A)
- Includes ICA with improved inspection procedures

Save $$$



Manufactured by PMA Products, Inc.



Maintenance Tip:
PMA Products recommends replacement when there is:
- more than 0.010 inch radial free play in either bearing
- any corrosion on either bearing
- significant corrosion or other damage to the tube
- see ICA at www.mcfarlaneaviation/reference/ for details

FAA-PMA approved for:
PA-28-140, 150, 160, 180, 235, PA-28R-180, 200 (All serial numbers)
2 required per aircraft

Beechcraft Rod Ends

Loose Rod Ends can lead to control flutter! Save time and $$$ with our Aileron Rod Ends

- Increased corrosion protection
- Built to last!
- Save $$$



Model	Serial Number	RH Thread MC002-381003-5 [2]	LH Thread MC002-381003-7 [3]
58, 58A	All	•	•
58P, 58TC	All	N/A	•
95-B55 [1], 95-B55A [1]	TC-1608 thru TC-2456	•	•
A36 [1]	E-1946, E-2111 thru E-3635	•	•
B36TC [1]	EA-0320, EA-0389 thru EA-9999	•	•
B60	All	•	N/A
E55 [1], E55A [1]	TE-943 thru TE-9999	•	•
G36, G58	All	•	•
V35B, V35B-TC	All	•	•

Notes:
[1] Partial model eligibility
[2] MC002-381003-5 replaces P/N 002-381003-1 and 002-381003-5
[3] MC002-381003-7 replaces P/N 002-381003-3 and 002-381003-7

Flap and Aileron Rod Ends

FAA-PMA flight control Rod Ends for Cessna and Piper also available. See "Push-Pull Controls" section for details.



Aluminum Aileron Hinge for Cessna

P/N MC0523816-1

- Selective fit, positive capture, stainless steel pin
- Anodized for better corrosion and wear resistance
- No looseness in the hinge to start vibration wear
- No cotter keys to fail
- Replaces P/N 0523816-1 and 0523807



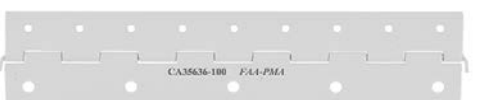
FAA-PMA approved for:
150,152,170,172,175,180,182,185,205,210 (All serial numbers)

Aileron Hinges for Piper Aircraft

FAA-PMA/STC approved direct replacement
Hinge pins are Teflon coated



P/N 62371-108



P/N CA35636-100



Manufactured by PMA Products

Aircraft	62371-108 Qty/Aircraft	CA35636-100 Qty/Aircraft
PA-28-140	4	
PA-28-150	4	
PA-28-151 [1]		2
PA-28-160	4	
PA-28-161		2
PA-28-180	4	
PA-28-181	4	2
PA-28-201T	4	2
PA-28-235	4	
PA-28-236	4	2
PA-28-R180	4	
PA-28R-200	4	
PA-28R-201	4	2
PA-28R-201T	4	2
PA-28RT-201	4	2
PA-28RT-201T	4	2
PA-32-260	4	
PA-32-300	4	
PA-32RT-300, 300T	4	
PA-34-200	4	

Note:
When both P/Ns are eligible, verify by length:
P/N 62371-108 is 5" and P/N CA35636-100 is 7.5"
[1] S/Ns 28-7615001 and on

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

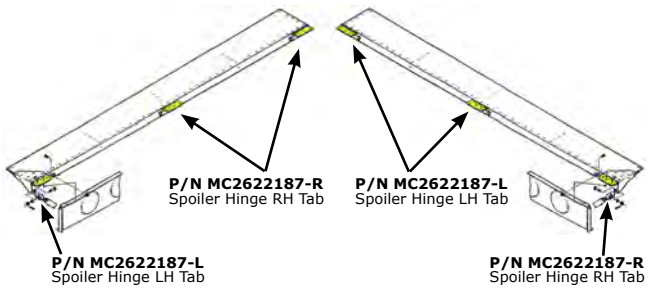
Caravan Spoiler Hinges

Improved McFarlane hinges feature selective fit pins for a longer service life

P/N MC2622187-L (Replaces 2 each 2622187-7, 1 each 2622226-1)
P/N MC2622187-R (Replaces 2 each 2622187-7, 1 each 2622226-2)

- Save $$$
- FAA-PMA direct replacement
- Eligible for all Cessna Caravan 208,208B
- Selective fit pins
- No looseness in the hinge to start vibration wear

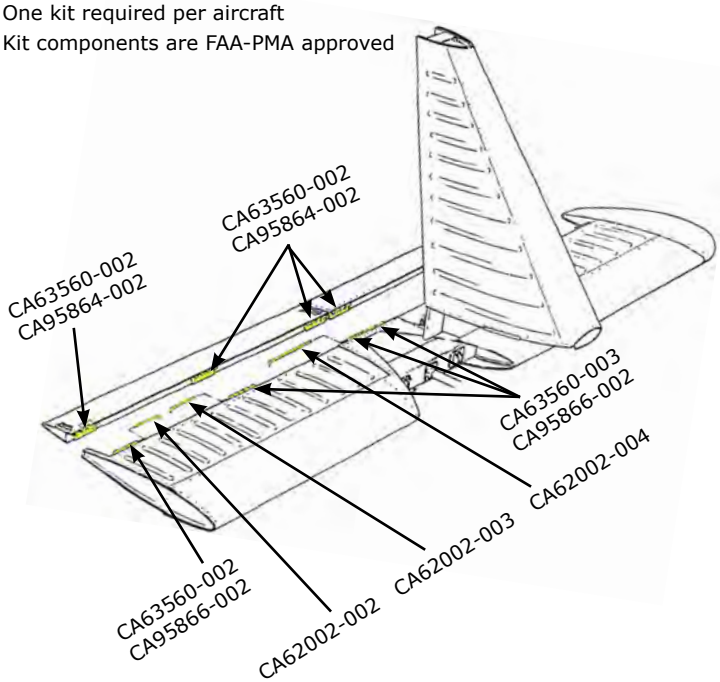




Stabilator Trim Tab Hinges for Piper Aircraft

Another convenient fit from McFarlane!

- Pins and hinge halves each sold separately or as convenient kits
- One kit required per aircraft
- Kit components are FAA-PMA approved



Aircraft	Trim Tab Hinge Kit	Trim Tab Pin Only Kit
PA-28-140, 150, 151, 160, 161	PTH-KT-1	PTP-KT-1
PA-28-180	PTH-KT-1 1	PTP-KT-1
PA-28-181	PTH-KT-1	PTP-KT-1
PA-28-201T	PTH-KT-1	PTP-KT-1
PA-28-235	PTH-KT-1 2	PTP-KT-1
PA-28-236	PTH-KT-1	PTP-KT-1
PA-28R-180	PTH-KT-1	PTP-KT-1
PA-28R-200	PTH-KT-1 3	PTP-KT-1
PA-28R-201, 201T	PTH-KT-1	PTP-KT-1
PA-28RT-201, 201T		PTP-KT-1
PA-32-260	PTH-KT-1	PTP-KT-1
PA-32-300, PA-32R-300	PTH-KT-1	PTP-KT-1
PA-32-301, 301T	PTH-KT-1	PTP-KT-1
PA-32R-301, 301T	PTH-KT-1	PTP-KT-1
PA-32RT-300, 300T		PTP-KT-1
PA-34-200, 200T, 220T	PTH-KT-2	PTP-KT-2
PA-44-180, 180T		PTP-KT-1

Kits are eligible for all serial numbers of each model unless noted below.
1 S/Ns 28-671 thru 28-7205328 and 28-7305001 thru 28-7505260 only
2 S/Ns 28-10001 thru 28-7210023 and 28-7310001 thru 28-7710089 only
3 S/Ns 28R-35001 thru 28R-7135238 and 28R-7235001 thru 28R-7635545 only

Qty	Part Number	Description
Kit P/N PTH-KT-1 Components		
2	CA62002-002	Pin, Hinge, Outboard
2	CA62002-003	Pin, Hinge, Center
1	CA62002-004	Pin, Hinge, Inboard
8	CA63560-002	Hinge Half
4	CA63560-003	Hinge Half
Kit P/N PTP-KT-1 Components		
2	CA62002-002	Pin, Hinge, Outboard
2	CA62002-003	Pin, Hinge, Center
1	CA62002-004	Pin, Hinge, Inboard
Kit P/N PTH-KT-2 Components		
4	CA62002-003	Pin, Hinge, Outboard or Center
1	CA62002-004	Pin, Hinge, Inboard
6	CA95864-002	Hinge Half
6	CA95866-002	Hinge Half
Kit P/N PTP-KT-2 Components		
4	CA62002-003	Pin, Hinge, Outboard or Center
1	CA62002-004	Pin, Hinge, Inboard


P/N CA63560-002


P/N CA95864-002


P/N CA63560-003


P/N CA95866-002

P/N CA62002-002

P/N CA62002-003

P/N CA62002-004

Manufactured by PMA Products

Rudder and Elevator Hinge Bearing Kits for Cessna Caravan Aircraft

- Convenient kits include bearings and all attaching hardware
- Kits for aircraft equipped with and without hinge modification service kits
- One elevator kit and one rudder kit required per aircraft
- Industry standard hardware



Cessna issued several non-mandatory service bulletins and service kits for the rudder and elevator hinge bearings on the Caravan due to a corrosion issue with the needle bearing. The service kits require modification to the hinge structure (not just the bearing itself). The new bearing is a different size than the "original" design, so the mounting hardware is also different. Because of these structural changes, any aircraft that has had the service kits installed cannot use hardware from a non-service kit aircraft. McFarlane offers kits for both configurations.

Aircraft	Serial Number	Elevator Kit P/N	Rudder Kit P/N
208	20800001 thru 20800221	EBC-KT-7 1	RBC-KT-9 3
		EBC-KT-8 2	RBC-KT-10 4
208	20800222 thru 20899999	EBC-KT-7	RBC-KT-9
208A	20800007 thru 20800102	EBC-KT-7 1	RBC-KT-9 3
		EBC-KT-8 2	RBC-KT-10 4
208B	208B0001 thru 208B0318	EBC-KT-7 1	RBC-KT-9 3
		EBC-KT-8 2	RBC-KT-10 4
208B	208B0319 thru 208B9999	EBC-KT-7	RBC-KT-9

1 With SK208-102, SK208-106, & SK208-107 installed
2 Without SK208-102, SK208-106, & SK208-107 installed
3 With SK208-99, SK208-104 and SK208-105 installed
4 Without SK208-99, SK208-104 and SK208-105 installed

Save $$$



EBC-KT-7 Components			EBC-KT-8 Components			RBC-KT-9 Components			RBC-KT-10 Components		
Qty	Part Number	Desc.	Qty	Part Number	Desc.	Qty	Part Number	Desc.	Qty	Part Number	Desc.
4	AN4-12	Bolt	4	AN5-10	Bolt	3	AN4-12	Bolt	3	AN4-11	Bolt
1	AN4-13	Bolt	1	AN5-13	Bolt	3	MS17825-4	Nut	3	MS17825-4	Nut
5	MS17825-4	Nut	5	MS17825-5	Nut	3	MS24665-134	Cotter Pin	3	MS24462-4	Bearing
4	MS24665-134	Cotter Pin	5	MS24461-5	Bearing	3	MS27641-4	Bearing	3	MS24665-134	Cotter Pin
1	MS24665-136	Cotter Pin	4	MS24665-134	Cotter Pin	3	NAS1149F0432P	Washer	3	NAS1149F0432P	Washer
5	MS27641-4	Bearing	1	MS24665-136	Cotter Pin	6	NAS1149F0463P	Washer	6	NAS1149F0463P	Washer
4	NAS1149F0432P	Washer	10	NAS1149F0563P	Washer						
6	NAS1149F0463P	Washer									

Kit Contents: (Components also available separately)

Hinge and Bellcrank Bearing for Cessna Aircraft

P/N MS24462-4

Hard to find, frequently replaced! Buy from McFarlane and save $$$



Aircraft Model	Aileron Hinge	Elevator Bellcrank	Center Elev. Hinge	Rudder Hinge	Elevator Hinge	Rudder Bellcrank
172, 175						1
177, 177A,B, 177RG, F177RG	6					
180, 180A,B,C,D,E,F,G,H,J,K			1		4	
182, 182A,B,C,D			1		4	
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T, A182J,K,L,N, F182P,Q, FR182, R182, T182, T182T, TR182			1		4 1	
185, 185A,B,C,D,E, A185E,F			1		4	
188, 188A,B, A188, A188A, A188B, T188C	6				4	
210-5 (205), 210-5A (205A)			1	1	4	
206, U206, U206A,B,C,D,E	4		1		4	
206H, T206H	4	1	1		4 2	
P206, P206A,B,C,D,E	4		1			
TP206A,B,C,D,E, TU206A,B,C,D,E	4		1		4	
TU206F,G, U206F,G			1		4	
207, 207A, T207, T207A	4	1	1		4	
210, 210A			1		4	
210B,C			1	1	4	
210D,E,F	4	1	1	1	4	
210G,H,J			1		4	
210K,L,M	6	1	2		4	
210N,R	6	1	1		4	
P210N	6	1	1			
P210R	6	1	1		4	
T210F	4	1	1	1	2	
T210G,H,J			1		4	
T210K,L,M	6	1	2		4	
T210N,R	6	1	1		4	

1 182T S/N 18280945 thru 1821642; T182T S/N 18208001 thru 18208447 only
2 For installation on 206H, T206H S/N 20608001 thru 20608956 & T20608001 thru T20608956 only

Supersedure Table	
4NBC612ZP	USE MS24461-4
4NCC910P	USE MS24462-4
AR4-1	USE MS24462-4
NAS296-4A	USE MS24462-4
NAS505-4	USE MS24461-4
NAS506-4	USE MS24462-4

Aileron and Elevator Bearing for Cessna

P/N MS24461-4

Used as aileron and elevator bearings on many single engine Cessna aircraft



Fafnir Bearing

P/N S1K5

Lower rudder bearing for many 170, 180, 185, and 188 Cessnas



Aircraft Model
170, 170A,B
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B
185, 185A,B,C,D,E, A185E,F 1
188, 188A,B
A188B 2
A188B 3 (w/ large hopper)

1 185-0001 thru 18504425
2 18802349 thru 18803856
3 18800967T thru 18803968T

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

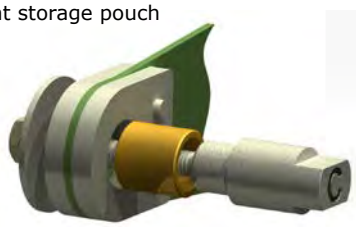
Elevator and Rudder Bearing Installation Tool for Cessna Aircraft

Makes pressing bearings in or out easy!

P/N 990

This unique tool is specifically designed to prevent damage when installing and removing ***sintered bronze*** rudder and elevator hinge bearings contained in kits EBC-KT-1 thru 5 and RBC-KT-1 thru 8.

- Eight piece kit for all sizes of sleeve bearings
- Heat treated stainless steel will last a lifetime
- Comes in a convenient storage pouch







Rudder and Elevator Bushing Kits for Cessna Aircraft

Solves all fit problems!

McFarlane supplies two bushing sizes for each hinge location.
This allows a selective fit and solves the common Cessna fit and interference problems.

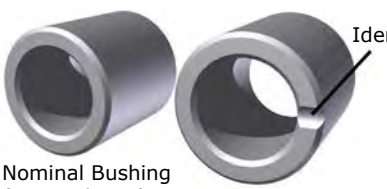
See next page for kit components

- Hardened corrosion resistant stainless steel
- Cessna models 120 thru 177
- All components are also available separately
- Convenient kits include all bushings, sintered bronze bearings, and hardware for one aircraft

  Note: Kits do not include bellcrank bearings or bushings



CONTROL HINGE BUSHING IDENTIFICATION



Model	Serial Number	Elevator Bushing Kit	Rudder Bushing Kit
120,140,140A	All	EBC-KT-6	RBC-KT-8
150,150A,B,C,D,E	All	EBC-KT-1	RBC-KT-1
150F,G,H,J	All	EBC-KT-1	RBC-KT-2
150K[1], A150K[1]	150K S/N 15071129 thru 15071621 and A150K S/N A1500001 thru A1500129	EBC-KT-1	RBC-KT-3
150K[1],L,M, A150K[1],L,M	150K S/N 15071622 thru 15072003 and A150K S/N A1500130 thru A1500226	EBC-KT-2	RBC-KT-3
A-150L, A-A150L	All	EBC-KT-2	RBC-KT-3
F150F,G,H,J	All	EBC-KT-1	RBC-KT-2
F150K,L[1], FA150K[1]	F150L S/N F15000659 thru F15000699, FA150K S/N FA1500001 thru FA1500039	EBC-KT-1	RBC-KT-3
F150L[1],M, FA150K[1],L,M	F150L S/N F15000700 thru F15001143, FA150K S/N FA1500040 thru FA1500081	EBC-KT-2	RBC-KT-3
FRA150L,M	All	EBC-KT-2	RBC-KT-3
152[1], A152[1]	152 S/N 15279406 thru 15285833 and A152 S/N A1520735 thru A1521025	EBC-KT-3	RBC-KT-3
	152 S/N 15285834 thru 15286033 and A152 S/N A1521026 thru A1521049	EBC-KT-4	RBC-KT-3
F152[1], FA152[1]	F152 S/N F15201429 thru F15201943 and FA152 S/N FA1520337 thru FA1520387	EBC-KT-3	RBC-KT-3
	F152 S/N F15201944 thru F15201980 and FA152 S/N FA1520388 thru FA1520425	EBC-KT-4	RBC-KT-3
170, 170A,B	All		RBC-KT-11
172, 175	172 S/N 28000 thru 46754 and 175 S/N 55001 thru 56238	EBC-KT-5	RBC-KT-4 or RBC-KT-4A[4]
172A,B,C[1], 175A,B,C[1]	172A,B,C S/N 46755 thru 17249085 and 175A,B,C S/N 56239 thru 17557064	EBC-KT-5	RBC-KT-5
172C[1], 175C[1]	172C S/N 17249086 thru 17249544 and 175C S/N 17557065 thru 17557119	EBC-KT-5	RBC-KT-6
172D,E,F,G,H,I,K,L,M,N,P[1]	S/N 17249545 thru 17275963	EBC-KT-5	RBC-KT-6
172P[1],Q,R,S	S/N 17275964 and On	EBC-KT-5	RBC-KT-7
172RG, P172D, R172K	All	EBC-KT-5	RBC-KT-6
F172D,E,F,G,H,K,L,M,N,P[1]	S/N F172-0001 thru F17202208	EBC-KT-5	RBC-KT-6
F172P[1]	S/N F17202209 thru F17202254	EBC-KT-5	RBC-KT-7
FP172, FR172E,F,G,H,J,K	All	EBC-KT-5	RBC-KT-6
177,177A,B,177RG,F177RG	All	No kit available	MC0532104K Bushing Only

[1] Partial model eligibility.

See next page!

Rudder and Elevator Bushing Kits continued from previous page

Kit Components

Rudder Bushing Kit Components

Kit P/N	Qty	Part Number	Description
RBC-KT-1	1	MCS1003-65A	Bearing
	1	MC0432003-1K	Bushing 5
	1	AN3-7A	Bolt
	1	NAS1149F0363P	Washer
RBC-KT-2	3	MCS1004-42A	Bearing
	3	MC0532104K	Bushing 5
	3	AN4-11A	Bolt
	3	NAS1149F0463P	Washer
	3	MS21042L4	Nut
RBC-KT-3	3	MCS1004-42A	Bearing
	3	MC0532104K	Bushing 5
	3	AN4-10A	Bolt
	3	NAS1149F0463P	Washer
	3	MS21042L4	Nut
RBC-KT-4 4	2	MCS1003-29A	Bearing
	2	MC0532104K	Bushing 5
	2	AN4-11A	Bolt
	2	NAS1149F0463P 3	Washer
	2	MS21042L4 3	Nut
RBC-KT-4A 4	1	RBC-KT-4	Rudd. Bushing Kit
	1	AN4-13A	Bolt
	1	MS21042L4	Nut
	1	MS24462-4	Bearing
	1	NAS1149F0432P	Washer
	1	NAS1149F0463P	Washer
RBC-KT-5	2	MCS1003-29A	Bearing
	1	MCS1004-42A 2	Bearing
	3	MC0532104K	Bushing 5
	3	AN4-11A	Bolt
	3	NAS1149F0463P	Washer
RBC-KT-6	2	MCS1003-29A	Bearing
	1	MCS1004-42A 2	Bearing
	3	MC0532104K	Bushing 5
	3	AN4-11A	Bolt
	2	NAS1149F0463P 3	Washer
	2	MS21042L4 3	Nut
RBC-KT-7	2	MCS1003-29A	Bearing
	1	MCS1004-42A 2	Bearing
	3	MC0532104K	Bushing 5
	3	AN4-11A	Bolt
	2	NAS1149F0432P 3	Washer
	2	MS21042L4 3	Nut
RBC-KT-8	2	MC0431119K	Bushing 5
	2	MCS1003-11A	Bearing
	2	AN3-7A	Bolt
	2	MS21044N3	Nut
RBC-KT-11	2	AN4-11A	Bolt
	2	MS21044N4	Nut
	2	S1K5	Bearing

Elevator Bushing Kit Components

Kit P/N	Qty	Part Number	Description
EBC-KT-1	2	MCS1003-65A	Bearing
	2	MC0432003-1K	Bushing 5
	2	AN3-7A	Bolt
	2	NAS1149F0363P	Washer
EBC-KT-2	2	MCS1003-65A	Bearing
	2	MC0432003-1K	Bushing 5
	2	AN3-7	Bolt
	2	NAS1149F0363P	Washer
	2	AN310-3	Nut
	2	MS24665-132	Pin
EBC-KT-3	2	MCS1003-65A	Bearing
	2	MC0432003-1K	Bushing 5
	2	AN3-7A	Bolt
	2	NAS1149F0363P	Washer
	2	MS21044N3	Nut
EBC-KT-4	2	MCS1003-28A	Bearing
	2	MC0432173-3K	Bushing 5
	2	AN4-7A	Bolt
	2	NAS1149F0463P	Washer
	2	MS21042L4	Nut
EBC-KT-5	4	MCS1003-29A	Bearing
	4	MC0532104K	Bushing 5
	4	AN4-11A	Bolt
	4	NAS1149F0463P	Washer
	4	MS21042L4	Nut
EBC-KT-6	4	MC0422215	Bushing
	4	S1997-7G8	Bearing
	4	AN4-11A	Bolt
	4	MS21044N4	Nut

Notes:

2 Lower Hinge Only

3 Center and Lower Hinge Only

4 Kit RBC-KT-4 contains components to service the upper and middle hinges. Kit RBC-KT-4A contains components to service the upper, middle and lower (bellcrank) hinges.

5 Bushing part numbers MC0431119K, MC0432003-1K, MC0432173-3K and MC0532104K include a nominal bushing (with no "K" suffix), an oversized bushing (with a "P1" suffix), and selective fit instructions. **Example:** MC0432003-1K includes nominal bushing MC0432003-1 and oversized bushing MC0432003-1P1.

Control Lock

P/N 2660055-1RA

Caravan 208/208B

- Direct replacement
- Significantly lower cost $$$



Manufactured by Royal Air Products

Rudder Gust Lock

Restrain the rudder when parked!

Caravan 208 and 208B P/N AT-4111-1

Daher Kodiak 100 P/N QK-4111

- Avoid rudder damage during windy conditions
- Can be disengaged with the elevator



Manufactured by Aero Twin, Inc.

Tail Stand

P/N ATI-STAND

Cessna Caravan 208/208B

Daher Kodiak

- Safely load passengers or cargo
- Red and yellow for high visibility
- Quick pin allows easy installation
- Easily store in the aft cargo pod bay when not in use



Manufactured by Aero Twin, Inc.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna Bonding Straps

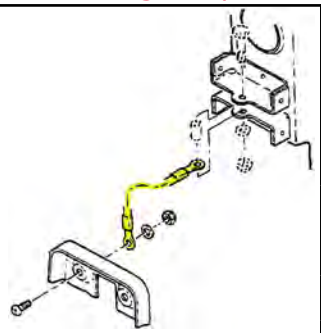
FAA-PMA approved direct replacements for 1517102 series bonding straps

Used for grounding aircraft control surfaces. Bonding Straps have a short life due to work hardening and related metal fatigue failure from the moving controls.

- Offered at a fraction of the price!
- Frequently replaced



P/N MC1570102-29



Model	Serial Number	P/N	Aileron	Aileron, Static Discharge Wick	Bendix King Weather Radar	Elevator	Elevator, Static Discharge Wick	Elevator, Trim Tab	Gwx 68 Weather Radar	Narco Weather Radar	Rudder	Rudder, Static Discharge Wick	Stabilator	Stabilizaer	Static Discharge Wick	Vertical Fin	Wingtip Light
150M[1], A150M[1] F150M[1], FA150M[1]	15077006 thru 15079405 A1500610 thru A1500734 F15001249 thru F15001428 FA1500282 thru FA1500336	MC1570102-10															2
		MC1570102-18									1						
		MC1570102-19	2														
		MC1570102-20				2											
152[1], A152[1] F152[1], FA152[1]	15279406 thru 15284541 A1520735 thru A1520943 F15201429 thru F15201828 FA1520337 thru FA1520372	MC1570102-18									1						
		MC1570102-19	2														
		MC1570102-20				2											
		MC1570102-26															2
	15284542 thru 15285833 A1520944 thru A1521025 F15201829 thru F15201943 FA1520373 thru FA1520387	MC1570102-19	2														
		MC1570102-20				2											
		MC1570102-26															2
	15285834 thru 15286033 A1521026 thru A1521049 F15201944 thru F15201980 FA1520388 thru FA1520425	MC1570102-14				2											
		MC1570102-19	2														
		MC1570102-26															2
172M[1],N,P,Q, 172RG F172M[1],N,P	17265685 thru 17276654 172RG0001 thru 172RG1191 F17201385 thru F17202254	MC1570102-12									1						
		MC1570102-14				2											
		MC1570102-19	2														
		MC1570102-26															2
172R[1]	17280001 thru 17281566	MC1570102-12									1						
		MC1570102-14				1											
		MC1570102-19	2														
		MC1570102-26															2
	17281567 thru 17281568	MC1570102-12									1						
		MC1570102-14				1											
		MC1570102-26															2
	17281569 and On	MC1570102-14				1											
		MC1570102-26															2
		MC1570102-36									1						
172S[1]	172S8001 thru 172S11004	MC1570102-12									1						
		MC1570102-19	2														
	172S11005 thru 172S11034	MC1570102-12									1						
	172S11035 and On	MC1570102-36									1						
FR172J[1],K, R172K	FR17200560 thru FR17200675 R1722000 thru R1723454	MC1570102-10															2
		MC1570102-12											1				
		MC1570102-14				2											
		MC1570102-19	2														
177B[1]	17702314 thru 17702752	MC1570102-1															2
		MC1570102-12															1
177RG[1]	177RG0787	MC1570102-12												1			
177RG[1] F177FG[1]	177RG0788 thru 177RG1366 F177RG0139 thru F177RG0177	MC1570102-1	1								1						
		MC1570102-12												1			
180J[1],K[1]	18052621 thru 18053203	MC1570102-1					4										
		MC1570102-16		2								1					
182P[1],Q[1],R *(continued on next page)*	18260826 thru 18261425	MC1570102-10															1
	18261426 thru 18262465	MC1570102-10															1
		MC1570102-1				2											
		MC1570102-8									2						
	18262466 thru 18264295	MC1570102-10															1
		MC1570102-1				2											
		MC1570102-12									1						
	18264296 thru 18266590	MC1570102-1				2											
		MC1570102-12									1						
		MC1570102-16	1														1

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Bonding Straps continued from previous page

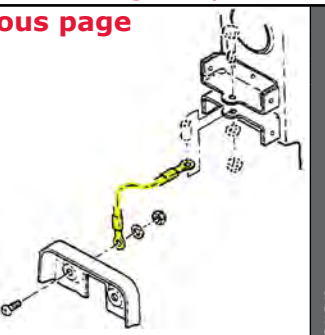
FAA-PMA approved direct replacements for 1517102 series bonding straps

Used for grounding aircraft control surfaces. Bonding Straps have a short life due to work hardening and related metal fatigue failure from the moving controls.

- Offered at a fraction of the price!
- Frequently replaced



P/N MC1570102-29



Model	Serial Number	P/N	Aileron	Aileron, Static Discharge Wick	Bendix King Weather Radar	Elevator	Elevator, Static Discharge Wick	Elevator, Trim Tab	Gwx 68 Weather Radar	Narco Weather Radar	Rudder	Rudder, Static Discharge Wick	Stabilator	Stabilizer	Static Discharge Wick	Vertical Fin	Wingtip Light
182P[1],Q[1],R *(continued from previous page)*	18266591 and On	MC1570102-1				2											
		MC1570102-12									1						
		MC1570102-16	1														
182S,T, T182, T182T	All	MC1570102-1				1											
		MC1570102-12									1						
		MC1570102-16	1														
F182P,Q[1]	F18200001 thru F18200094	MC1570102-1				2											
		MC1570102-12									1						
		MC1570102-16	1														1
	F18200095 and On	MC1570102-1				2											
		MC1570102-12									1						
		MC1570102-16	1														
FR182[1], R182, TR182	FR182000001 thru FR18200020	MC1570102-1				2											
		MC1570102-8									1						
		MC1570102-12									1						
		MC1570102-16	1														
	FR18200021 and On	MC1570102-1				2											
		MC1570102-8									1						
		MC1570102-12									1						
A185F[1]	18502839 thru 18504448	MC1570102-1					4										
		MC1570102-16		4								4					
TU206F[1],G, U206F[1],G	TU20601701 thru TU20601918	MC1570102-12									1						
	TU20601919 thru TU20603020	MC1570102-8									1						
		MC1570102-12									1						
	TU20603021 thru TU20603521	MC1570102-1				2											
		MC1570102-12									1						
		MC1570102-21	2														
	TU20603522 and On	MC1570102-1				2											
		MC1570102-10															2
		MC1570102-12									1						
		MC1570102-21	2														
206H, T206H	All	MC1570102-1				2											
		MC1570102-12									1						
		MC1570102-21	2														
207, 207A, T207, T207A	20700001 thru 20700217	MC1570102-10															2
	20700218 thru 20700314	MC1570102-8									1						
		MC1570102-10															2
		MC1570102-12									1						
	20700315 and On	MC1570102-10															2
		MC1570102-12									1						
		MC1570102-21	1														
208, 208B	20800001 thru 20800499 20800518 thru 20899999 208B0180 thru 208B1999 208B2159 thru 208B9999	MC1570102-21									2						
		MC1570102-27														1	
		MC1570102-28				3											
		MC1570102-29				1											
		MC1570102-32	1														
		MC1570102-34				4											
		MC1570102-35			5				5	5							
210L[1] ,M,N[1] T210L[1] ,M,N[1] *(continued on next page)*	21059720 thru 21061039	MC1570102-1	2			2											
		MC1570102-8									1						
		MC1570102-10															2

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Bonding Straps continued from previous page

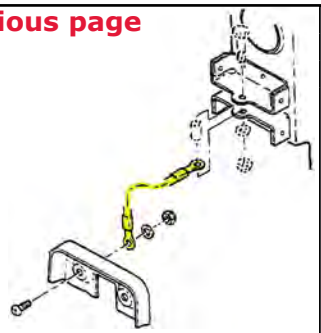
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P/N MC1570102-29



Model	Serial Number	P/N	Aileron	Aileron, Static Discharge Wick	Bendix King Weather Radar	Elevator	Elevator, Static Discharge Wick	Elevator, Trim Tab	Gwx 68 Weather Radar	Narco Weather Radar	Rudder	Rudder, Static Discharge Wick	Stabilator	Stabilizaer	Static Discharge Wick	Vertical Fin	Wingtip Light
210L[1] ,M,N[1] T210L[1] ,M,N[1] *(continued from previous page)*	21061040 thru 21064135	MC1570102-1	2			2											
		MC1570102-8									1						
	21064136 thru 21064897	MC1570102-1	1			1											
		MC1570102-12									1						
	21064898 thru 21065009	MC1570102-1											1				
		MC1570102-12									1						
P210N,R	All	MC1570102-1	2			2							2				
		MC1570102-12									1						
T303	All	MC1570102-1				2					1						
		MC1570102-14	2														
337G[1], F337G[1]	33701463 thru 33701606 F3370056 thru F33700071	MC1570102-1				1										2	
		MC1570102-8									2						
337G[1], 337H, F337G[1], F337H	33701607 thru 33701950 F3370072 thru F3379999	MC1570102-1				1										2	
FT337GP[1], FT337HP[1], P337H[1], T337G[1]	FP3370001 thru FP3370013 P3370001 thru P3370193	MC1570102-1						1								1	
		MC1570102-8									2						
		MC1570102-10															1
	FP3370014 thru FP3379999 P3370194 thru P3370356	MC1570102-1						1								1	
		MC1570102-8									2						
T337H	All	MC1570102-1				1										2	
T337H-SP	All	MC1570102-1					1									1	
		MC1570102-8									2						

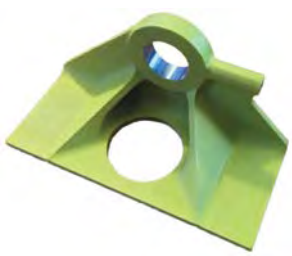
[1] Partial model eligibility
[2] Applicable to S/N 20800146 thru 20899999 and 208B0001 thru 208B9999.
[3] Applicable to S/N 20800001 thru 20800221 and 208B0001 thru 208B0318.
[4] Applicable to S/N 20800222 thru 20899999 and 208B0319 thru 208B9999.
[5] Model 208 S/N 20800001 thru 20800246 require (1) for Bendix Weather Radar and (1) for Narco Weather Radar.
S/N 20800247 thru 20800499 require (1) for Bendix King Weather Radar.
S/N 20800518 thru 20800581 require (1) for GWX Weather Radar.
Model 208B S/N 208B0180 thru 208B0498 require (1) for Bendix Weather Radar and (2) for Narco Weather Radar.
S/N 208B0418 thru 208B1999 require (2) for Bendix King Weather Radar.
S/N 208B2159 thru 208B5271 require (2) GWX 68 Weather Radar.

Stabilator Brackets for Helio H-295 Courier Aircraft

Left Hand P/N AF391-022-401-2
Right Hand P/N AF391-022-401-3

Stronger than original welded assemblies! Manufactured from high-strength material and machined from a single billet

- Cad plated and primed for more durability
- Sold as a match-machined set
- Mounting holes are match drilled at installation to ensure exact fit!



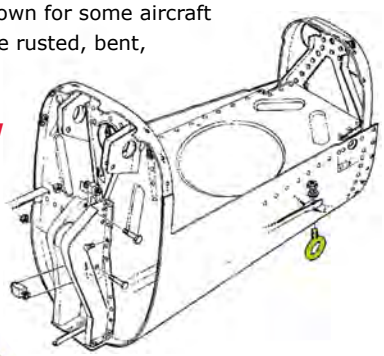
Tail Tie Down Eye Bolts

Save money with McFarlane's affordable eye bolts!

FAA-PMA approved for the tail tie down for most Cessna aircraft

- Also approved for wing and fuselage tie down for some aircraft
- Replace your tie down eye bolts if they are rusted, bent, or ground flat from a tail low landing

Eligibility on the next page!





P/N MC0523613-1 *P/N MC0422344* *P/N MC0523613-4*

Tail Tie Down Eye Bolts continued from previous page

Save money with McFarlane's affordable eye bolts!
FAA-PMA approved for the tail tie down for most Cessna aircraft

- Also approved for wing and fuselage tie down for some aircraft
- Replace your tie down eye bolts if they are rusted, bent, or ground flat from a tail low landing



Aircraft Model	Serial Number	Fuselage	Tail				Wing
		MC0422344	MC0422344	MC0422344	MC0523613-1	MC0523613-4	MC0422344
150, 150A,B,C,D,E,F,G,H,J, F150F,G,H,J	All				1		
150K,L,M, A150K,L,M, F150K,L,M, FA150K,L,M, FRA150L,M	All					1	
152, A152, F152, FA152	15279406 thru 15284541, A1520735 thru A1520943 F15201429 thru F15201828, FA1520337 thru FA1520372				1		
	15284542 and on, A1520944 and on, F15201829 and on, FA1520373 and on					1	
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S, F172D,E,F,G,H,K,L,M,N,P, FR172E,F,G,H,J,K, P172D, R172K	All	1	1				
172RG, R172E,F,G,H	All		1				
175, 175A,B,C	All	1	1				
180, 180A,B,C,D,E,F	All [1]			1			
182, 182A,B,C,D	All	1	1				
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T	All		1				
F182P,Q, FR182, R182, T182, T182T, TR182	All		1				
188, 188A,B, A188, A188A, A188B, T188C	All						2
188, 188A, A188, A188A	All	5					
190, 195, 195A,B	All						2
210-5 (205), 210-5A (205A)	All		1				
206, 206H, U206, U206A,B,C,D,E,F,G, P206, P206A,B,C,D,E, T206H, TP206A,B,C,D,E, TU206A,B,C,D,E,F,G	All [1] [2]		1				
207, 207A, T207, T207A	All		1				
208, 208B	All		1				
210, 210A,B,C,D,E,F,G,H,J,K,L,M,N,R, P210N,R, T210F,G,H,J,K,L,M,N,R	All		1				
310, 310B,C,D,F,G,H,I,J,J-1,K, E310H,J	All						2
320, 320-1, 320A,B,C	All						2
336, 337, 337A,B, T337B	All						2

[1] Includes Amphibian and floatplane aircraft.
[2] Amphibian and floatplane aircraft use two each instead of one.

Three Hole Inspection Plates

Now offering FAA-PMA replacement inspection plates for Cessna aircraft
Multiple finish options and cost savings!
A more cost effective solution to replace your missing or corroded plates.

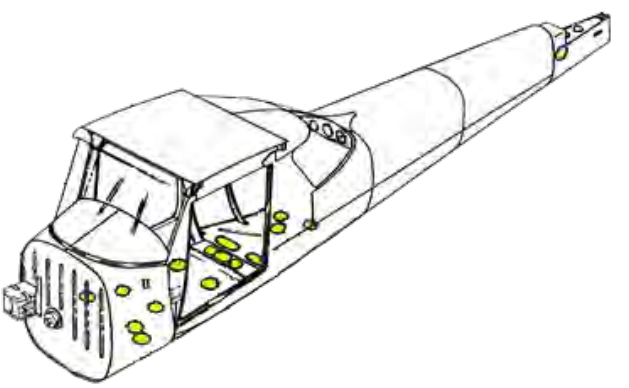
- Bare, primed, or painted — more options provide easier installation!
- Treated for anti-corrosion
- Save up to 50%
- Quantity discount available!

Save time with easier installation and multiple finish options!



MCS225-2 has dimpled holes
MCS225-1 has plain holes

You pick the finish!
Wash primed and epoxy-primed
Primed
P/N MCS225-1 or MCS225-2
Bare
P/N MCS225-1B or MCS225-2B
Painted
P/N MCS225-1T or MCS225-2T





5 inches diameter

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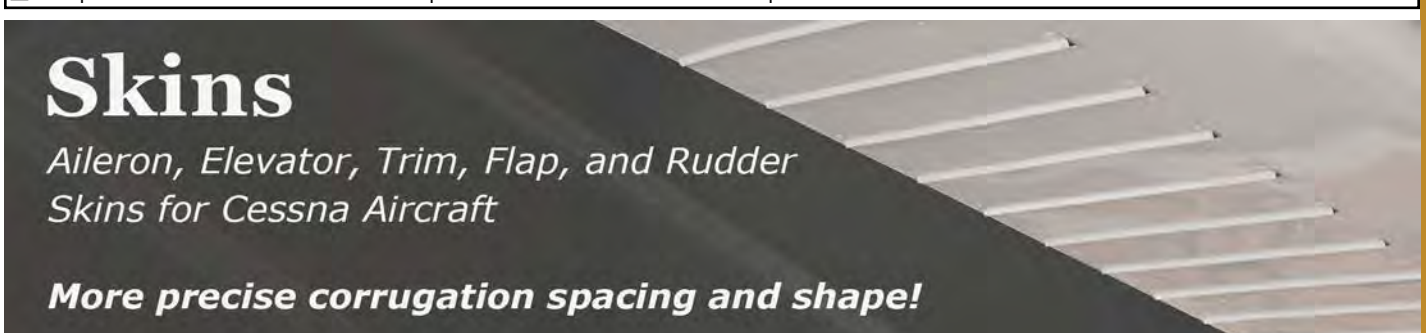
Three Hole Inspection Plates continued from previous page

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Multiple finish options and cost savings!
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- Save up to 50%
- Quantity discount available!

Aircraft	P/N[1]	Cabin Heating & Ventilation	Elevator	Cabin Floorboard	Forward Fuselage	Fuel Bay	Fuselage	Horizontal Stabilizer	Leading Edge	Lower Cabin	Skins	Stabilator	Stringers	Tailcone	Wing	Wing Assembly	Wing Skin Assembly	Wing Strut	Wing-Integral Fuel Cell
150, 150A,B,C,D,E,F,G	MCS225-1		•				•					•				•			
150H	MCS225-1	•	•				•					•				•			
	MCS225-2															•			
150J	MCS225-1		•				•					•				•			
	MCS225-2															•			
150K,L,M, A150K,L,M	MCS225-1						•	•								•			
	MCS225-2															•			
152	MCS225-1						•	•								•			
	MCS225-2															•			
A152	MCS225-1							•											
	MCS225-2															•			
172, 172A	MCS225-1															•			
172B,C	MCS225-1						•									•			
172D,E,F,G,H,I,K,L	MCS225-1						•								•				
172M,N	MCS225-1						•								•				
	MCS225-2														•				
172P,Q	MCS225-1						•								•				•
	MCS225-2														•				•
172R	MCS225-1					•	•				•		•						
	MCS225-2										•		•						
172S	MCS225-1						•												
	MCS225-2										•		•						
175, 175A,B,C	MCS225-1															•			
182E	MCS225-1						•			•				•					
	MCS225-2															•			
182F,G	MCS225-1						•			•									
	MCS225-2															•			
182H,J,K,L,M	MCS225-1															•			
	MCS225-2															•			
182N	MCS225-1						•							•		•			
	MCS225-2															•			
182P	MCS225-1						•							•		•		•	
	MCS225-2															•			
182Q,R	MCS225-1				•					•				•		•			
	MCS225-2															•			
182S,T, T182T	MCS225-1					•	•			•				•					
	MCS225-2								•		•		•						
T182	MCS225-2																	•	
206H,T206H	MCS225-1			•											•		•		
U206F,G, TU206F,G	MCS225-1														•				
	MCS225-2														•				

Note:
[1] The part numbers listed are Primed. To purchase Bare add "B" suffix or Top Coat add "T" suffix.



Can You Stop Nose Gear Shimmy?

By Dave McFarlane

Nose gear shimmy is destructive and not normal! And yes, ***it can be stopped****. Never allow any amount of nose gear shimmy to continue.* ***The quicker you take action****, the easier it will be to stop it.*

"A Cessna nose wheel is supposed to shimmy."

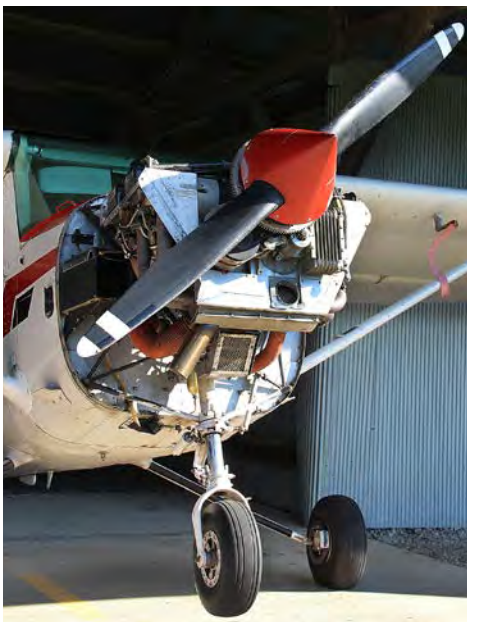
"You can't really stop it."

"All the Pipers do it."

You have heard similar comments many times. My response is always the same question. "Did it shimmy when it was new?" I would like to share with you our experience in solving this problem.

I will bore you with the routine detail of what to look for and how to fix the mechanical issues that allow shimmy to get started in a minute. First, let's talk about the physics of nose gear shimmy. Years ago and after a lot of frustration by us and our customers and a lot of experimenting, we discovered what was causing our shimmy problems. We observed that uncorrectable nose gear shimmy seemed to only happen on hard surface runways and rarely on turf runways. Our customers reported that they could stop the shimmy by either taking weight off the nose gear with the elevator or applying the brakes putting more weight on the nose gear. It didn't seem logical that just changing the weight on the nose gear could affect shimmy since the airplane is designed to function with different loading on the nose gear and the weight change does not significantly change the nose gear geometry. We guessed that our customer's shimmy might have been stopped by the fact that the changing nose weight also changed the tire shape. We assumed that when the tire shape changes so does the contact profile of the tire to the runway. We had already done all of the normal things to perfect the nose gear and shimmy damping system rigging and mechanicals. The customer's tire seemed fine with no unusual wear patterns that could be detected. We still had shimmy! In frustration, an experiment was done by removing some tread rubber from the tire. It did not seem to be a logical solution, but it worked. The shimmy went away!

There are some interesting dynamics going on during the shimmy action (besides trying to vibrate your airplane apart). When the nose tire is shimmying down the runway it is oscillating from pointing left and then pointing right many times per second while the airplane is going straight. The greater the tire angle diverges from straight ahead, the greater the shimmy inertia and energy.
Since the oscillations are equal in divergence angle and time duration, the



rubber on your tire is being scuffed in a uniform and distinct pattern that repeats its self each revolution of the tire. This wear pattern shape is directly
related to the tire shape created by the amount of weight on the nose tire, the tire pressure, and the speed of the aircraft. The frequency of the shimmy is a derivative of these factors. You might have noticed a braking feel to the airplane when severe shimmying is happening. The braking is from the nose tire skidding sideways during the more extreme angle divergent portion of the shimmy cycle. Since shimmy generally takes place for a short time, the early stages of this wear pattern are microscopic and hard to detect visually or by feeling the tire tread by hand. After the first shimmy, the then created wear pattern tends to start the oscillating
action when the airplane speed and nose gear weight matches the speed and weight that the airplane was traveling when the shimmy wear pattern was created. You might have noticed that shimmy starts at about the same landing or taxiing speed each time. The results are that the shimmy gets worse every time it
happens even if the mechanical issues that let it start shimmying the first time have been corrected and the shimmy dampener is working and trying to do its job. The shimmy dampener simply is not strong enough to prevent shimmy when a nose tire has an
established shimmy wear pattern in the tread. The hidden mystery to this problem is that early shimmy wear patterns in the tire are virtually un-detectable.

Drop a plumb bob to determine aircraft center line



One of the hardest parts of proper rigging is determining where the nose tire is straight ahead.

The method we use is to create an airplane center line by dropping a plumb bob from the center of the firewall to the ground (center can be determined from the rivet pattern or measuring from the motor mount attachments) and again dropping the plumb bob from the center of the tail tie down hook. Mark both of the plumb bob points on the shop floor and create a chalk line mark between the points. This is your airplane center line. Extend the center line forward as close to the nose tire as possible.

Place a straight 2x4 stud or a piece of straight angle iron against the side of the nose tire. Adjust the nose wheel and tire until the 2x4 is parallel with the airplane center line. Check your results by placing the 2x4 on the other side of the tire. The 2x4 acts as a tire angle multiplier giving you measurable results.

Parallelism can be checked by simply measuring the distance between the 2x4 and the chalk line in two places. Be sure not to move the airplane while you make your nose gear alignment adjustments.

Prevention Tips

The key to shimmy problems is to prevent shimmy from starting in the first place. You have to start with the routine stuff that is in the service manuals. The Cessna Pilots Association has a very good article on fixing the mechanical issues associated with nose shimmy on Cessna airplanes. Their Tech Note No. 001, Revision 004 dated 04/15/2010 does a good job of describing and illustrating the system and directing corrective repairs. This tech note seems to parallel the Cessna Service Information Letter SE84-21 on the same subject.

Continued on next page

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Continued from previous page

1 The first step in preventing the problem is to look for any un-damped nose gear movement. This is motion of the nose tire without the shimmy dampener moving. Looseness in the nose gear system cannot be detected with the nose wheel off the ground unless the pressure is released from the nose strut. When you move the nose wheel right and then left, the shimmy dampener should also move. If there is any un-damped motion, tighten or replace the worn components such as the torque link bushings and spacers, the steering collar, and shimmy dampener attachments.

2 Remove the shimmy dampener attachments. Check the shimmy dampener for proper fluid and proper operation. Check the dampener for seal condition and excessive wear in the piston and dampener bore. The dampener shaft must have considerable resistance to motion when moved quickly but move easily when moved slowly.

3 Nose gear rigging is important to prevent shimmy. If the steering rods or bungees are biased, damaged, or holding improper tension, shimmy can be started. The aircraft service manuals do a good job of describing proper nose gear rigging procedures. Wheel bearings must be in good condition and properly adjusted.

4 Bad bearings or adjustments can allow un-damped tire movement. Tire balance is also critical for preventing shimmy as an out of balance tire puts cyclic centrifugal loads on the tire tread. Out of round tires will do the same thing. One of the objectives of preventing shimmy is to not have any type of cyclic loads going into the tire system.

Check the tire itself for casing shift or other damage as follows:

- Take the weight off the nose tire for a period of time to let the tire take its proper shape.
- Assure that the tire is inflated to the proper pressure for the aircraft.
- Spin the tire by hand and look for any significant lateral divergence (tire wobble) or vertical divergence (out of round). The tire must rotate true, but a little out of round is normal.
- If tire casing shape problems are detected, let the tire stabilize longer without weight. If that does not correct the problem, the only fix is to replace the tire.
- If the tire casing seems to run out true and the tire is determined to be airworthy in all aspects, remove the shimmy wear pattern in the tire tread.

How do you remove rubber on a good tire to get rid of this mysterious and evil tread wear pattern that nobody can see or feel? We use an electric disc grinder that is used in the weld shop for grinding welds and smoothing structural steel. Any large sanding disk power tool with a course grit disc or a belt sander would also work. There will be some rubber flying around the shop so this is a good job to do outside. Get someone else to do it if you have allergic reactions to latex

5 or rubber products. Block the nose gear off the ground and give the tire time to stabilize its shape without weight. Again assure that the tire has the correct inflation pressure. Touch the grinder to the tire at an angle that rotates the tire and removes rubber. With a little practice you will be able to control the tire rotational speed with small grinder angle adjustments. If you allow the tire to rotate too fast, very little rubber will be removed. If you allow the tire to rotate too slow, it is hard to remove the rubber evenly. Taxi speed tire rotation seems to work best. You can actually remove small "out of round" tire conditions by being steady with the grinder and allowing the grinder to work harder on the tire high spots. The grinder must be worked across the tire tread as evenly as you can. Never grind into the sidewall of the tire. You can feel advanced shimmy wear patterns before you start and they will take more work to remove than the patterns you cannot feel. The tire must feel smooth and even when you are done. Only experience will tell you how much rubber to remove. Be sure that the tire has good tread depth when you are finished, and verify that there is not any inadvertent damage to the tire. Clean up the rubber grindings and high speed taxi test the airplane. You will probably be smiling with the results. It is a good idea to re-balance the tire after grinding the tread and before returning the aircraft to service. If the test does fail, repeat the process. Yes, with a little patience, this shimmy beast can be tamed!



Use a belt sander to remove the shimmy wear pattern in the tread.



To check tire for proper balance, use our wheel balancer tool.
P/N TOOL128 for 3/4" diameter axles
P/N TOOL129 for 1", 1¼", and 1½"axles
(additonal sizes available)
See Tools and Maintenance section for details.

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Shimmy Dampener Assembly

Replace the Lord throw away dampener with our fully repairable Shimmy Dampener!
P/N MC0442512-1
Direct replacement for part numbers 0442512-1 and 0542119-1
It's everything the original should have been, and more than the rubber units ever could be!

- Quicker steering response
- Oversize shaft for rigid strength
- Wear resistant hard anodized housing
- Totally repairable
- Self lubricating
- Costs less than the throw away rubber dampener

Temperature compensated hydraulics

- Thermally compensated hydraulic action for low maintenance
- Even the first minor movements are dampened
- Consistent dampening action
- No oil leaks
- Go years without servicing!

Seal Kit P/N SDKT-7

- Designed specifically to re-seal our Shimmy Dampener P/N MC0442512-1
- Contains all required O-rings and back up rings



Up to 5x the dampening power of Lord® !



Shimmy Dampener Assembly P/N MC0442512-1	
Model	**Serial Number**
150G,H,J,K,L,M, A150K,L,M, F150G,H,J,K,L,M, FA150K,L,M, FRA150L,M	All
152, A152, F152, FA152	All
172, 172A,B,C,D,E,F,G,H, ,K,L,M,N,P,Q, F172D,E,F,G,H,K,L,M,N,P, FP172, P172D, FR172E,F,G,H,J,K R172K	46433 and on
172R	17280001 thru 17281142
172S	172S8001 thru 172S9288
175, 175A,B,C	55896 and on
182B,C,D	All

Replacement Parts	Description
1520	Barrel
1521	Bearing, Head, Shimmy Dampener
1522	Bearing, Head, Shimmy Dampener w/ Fill Hole
1523	Shaft, Shimmy Dampener
1524 [1]	Piston (base number)
1525	Piston, Floating, Shimmy Dampener
1526	Screw, Set
1527	Spring, Shimmy Dampener
1530	Tool, Extraction, Floating Piston
1531	Tool, Spring Insertion
1532	Screw, Seal
AN565AC624H6	Screw, Set, 3/8-24 X 3/8"
MS1665-1137	Ring, Retaining
SDKT-7	Seal Kit
MS51031-137	Screw, Set, 3/8-24, SS
NAS561P4-16	Pin, Retaining

[1] Housings and Pistons that are letter coded require placement of Piston P/N 1524 and Seal Kit P/N SDKT-7 (see following pages)

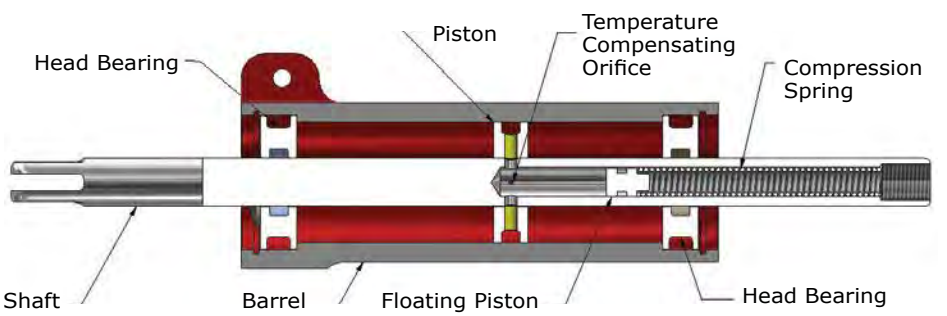


What Does Temperature Compensated Mean?

By Dave McFarlane

When hydraulic oil changes temperature, the volume of the oil also changes. This volume change from a temperature reduction will create a vacuum in the oil chamber of the original Cessna uncompensated shimmy dampener. This vacuum will cause the oil to vaporize giving the oil a foamy expanded mixture that is compressible. The shimmy dampener action is then drastically degraded. An increase in temperature will increase the oil volume causing a drastic pressurization of the dampener oil chamber. This pressure will force small quantities of oil past the dampener shaft seals. The decrease in oil will then aggravate any temperature reduction with increased chamber vacuum and related oil vaporization. This process explains why continuous servicing of the original shimmy dampener is required.

The temperature compensation system works by having a small chamber of oil that is spring pressurized through a very small passage into the main dampening restrictive orifice of the shimmy dampener. The spring loaded oil chamber can adjust for oil volume changes as temperature changes. A similar system is built into your car shock absorbers. The temperature compensated hydraulic system requires very little service over extended periods of time and assures stable shimmy dampening action.



Why is a hydraulic Shimmy Dampener better than a rubber Dampener?
By Dave McFarlane
See next page!

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Why is a hydraulic Shimmy Dampener better than a rubber Dampener?

By Dave McFarlane

General Discussion

The McFarlane shimmy dampener is designed to drastically outperform the Lord® brand rubber dampener and the original Cessna hydraulic shimmy dampeners. All the dampening forces of the McFarlane dampener where found similar to the original vintage Cessna hydraulic dampeners. Our improved dampener extends the life, offers greater consistency of dampening forces, and reduces the required servicing frequency as compared to the Cessna dampener. Tests were performed and carefully measured on a new McFarlane dampener, a new Cessna hydraulic dampener, and a new Lord rubber dampener. The Cessna hydraulic dampener was found to have similar dampening characteristics as the new McFarlane hydraulic dampener. For simplicity, only the McFarlane hydraulic dampener results are shown in the data charts.

What Would the Ideal Dampener Do? The best possible dampener would move easily with no resistance to motion at slow speeds for quick and easy control of the nose wheel while steering the aircraft and the dampener would have tremendous resistance to motion when moved at high speeds during shimmy. The aircraft steering system uses spring pressure to turn the nose wheel. If the dampener is hard to move while steering, the steering input of the pilot is absorbed by the steering springs and no steering occurs. The result is that the nose wheel does not respond or responds slowly and more erratically to pilot input. The less force required to move the dampener at slow speeds the better steering control the pilot has. Nose wheel shimmy creates high speed movement of the dampener. Shimmy is prevented or stopped by high dampener resistance to motion. The higher the force required to move the dampener at shimmy speeds the better the dampener will stop shimmy. It is desirable to have the dampener forces increase as the speed of the shimmy cycle increases. The ideal dampener would also have heavy dampening forces for a large portion of the shimmy travel cycle. Good shimmy dampening characteristics would be a combination of strong dampening forces and a long motion cycle for the dampening forces.

How Does a Hydraulic Resistance Dampener Work? In general, the hydraulic shimmy dampener design depends on oil flow through a controlled orifice (several small holes in the piston or clearance between the piston and cylinder wall or both). Since the orifice or clearance is a fixed size there is more resistance to the oil flow the faster the dampener is moved. The oil path is designed to be large enough that when the oil is moving slowly while steering it can flow easily through the allowed space from one side of the piston to the other. When the oil is moving fast, the oil path is too small to let higher volume of oil through quickly. The faster the shimmy dampener moves the more resistance there is to oil flow. As the dampener action becomes faster, the dampening forces increase. Since dampening forces are related to the speed of the oil flowing through the orifice, there is high dampening forces for all of its travel cycle except when it is changing directions. Restricted flow hydraulics makes the perfect shimmy dampener system.

How Does a Lord® Friction Type Rubber Dampener Work? The Lord® rubber dampener depends on the friction of the rubber piston against the cylinder wall. Rubber by nature requires a lot more force to start it to move (static friction) than the force required when it is in motion (dynamic friction). By characteristic of rubber sliding on metal, there is little difference in the friction forces when a rubber piston is moved slowly in the cylinder or if it move fast in the cylinder. The friction can actually decrease with the speed of the rubber piston. The Lord® rubber piston is designed where the rubber expands during the change of direction adding more friction that gives it its dampening action. The problem is that as the rubber piston moves back and forth there is increased friction only at the direction change position which is a very small part of the motion cycle. The friction forces during the rest of the shimmy motion cycle is close to the low slow motion (steering) friction forces. The change of direction is only a short part of the travel cycle. With the Lord® dampener, there is a diminishing gain of the dampening action as the speed increases. See Figures 1 and 2.

How Does the Service Life Compare? The service life of the different dampeners was tested by cycle testing a new vintage Cessna hydraulic dampener, a new McFarlane dampener and a new Lord® dampener. The Cessna hydraulic dampener failed at approximately 17,000 cycles with the O rings leaking and with significant wear in the head bearing. The McFarlane dampener went over 300,000 cycles without seal failure or any significant wear in the head bearings and did not fail. The Lord dampener also went over 300,000 cycles without a failure. The Cessna hydraulic dampener wears out the head bearing area and that allows the piston to shift out of position resulting in scratches and grooves in the cylinder wall and piston. The Cessna hydraulic dampener is repairable but generally comes up a little short of new performance after rebuild due to the cylinder wall scratches and groves that remain. The new McFarlane dampener is designed with an o-ring seal between the piston and cylinder. The o-ring and a heavier head bearing along with hard anodizing prevents piston and cylinder wall scratching and grooving. The improvements allow the McFarlane dampener to be economically rebuilt many times to original performance. The Lord® dampener does not have a repair and must be thrown away when they fail to prevent shimmy.

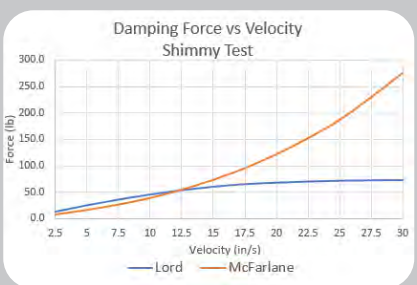


Figure 1

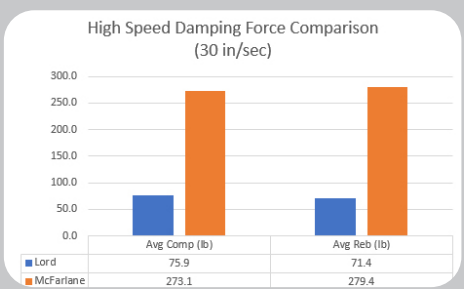


Figure 2

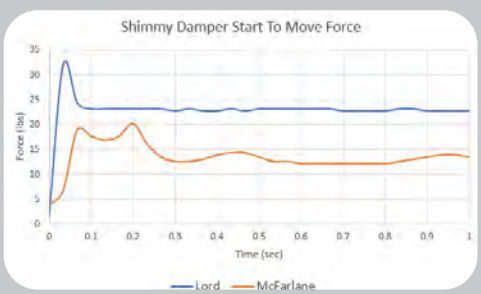


Figure 3

What Do the Charts Tell Us?

You can see from the test data charts, Figure 3, that the rubber dampener is going to make the airplane steer harder and be less responsive to pilot inputs. The Figure 1 charts show that at 20 in/sec of motion (a very slow shimmy), the McFarlane dampener has twice the dampening power of the Lord® rubber dampener and at 30 in/sec the McFarlane dampener has 5 times the dampening power. In conclusion, the McFarlane dampener allows more responsive steering and a much stronger dampening action to stop shimmy.

Original Cessna Shimmy Dampener Parts

Save $$$ — Repair your fluid dampener

Don't buy a disposable rubber dampener. Save money with replacement PMA parts. McFarlane now has affordable repair parts for the original fluid dampener. Save over $400!

- More cost effective than a throwaway unit
- Proven design with up to 5x the dampening power of Lord®

Improved Shimmy Dampener Shaft

Save up to 50% - Lasts longer!

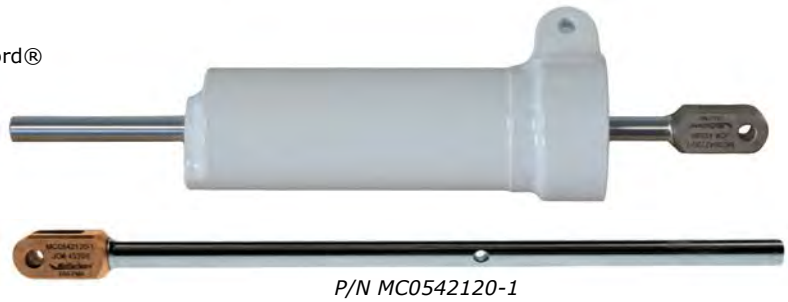
- Perfected chrome finish for improved O-ring life
- Durable one piece design

Head Bearings and Piston

Precision Machined, Direct Replacements

Convenient Assemblies and Kits

- Simplify your repair process
- Assembled kits make overhaul more efficient
- One part number gives you everything you need



P/N MC0542120-1
Shaft

Seal Kit
P/N SDKT-1
Includes all necessary o-rings and backup rings





P/N MC0542102-1
Head Bearing
(1 5/16″ diameter)

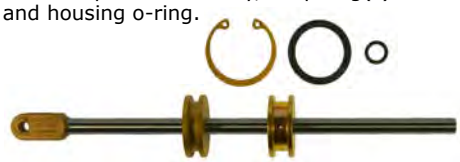


P/N MC0542102-3
Head Bearing
(1 3/16″ diameter)



P/N MC0842400-3
Piston

Repair Kit
P/N SDKT-2 (1 5/16″ diameter)
Includes piston assembly, snap ring(s) and housing o-ring.



See next page for eligibility!

Repair Kit
P/N SDKT-3 (1 3/16″ diameter)
Includes piston assembly, snap ring(s) and housing o-ring.



Piston Assemblies include pre-assembled shaft, head bearing, piston, head bearing o-rings, and roll pin.

Maintenance Tip:
Measure the diameter of the head bearing to determine the correct piston assembly or repair kit. Always replace worn head bearings as they keep the shaft and piston in alignment. Support the shaft well when replacing the piston.



Piston Assembly
P/N MC0542118-5
(with 1 3/16″ head bearing)

Hardware Kit
P/N SDKT-4
Includes all nuts, bolts, washers, cotter keys, and bushings to attach the shimmy dampener to the nose strut.

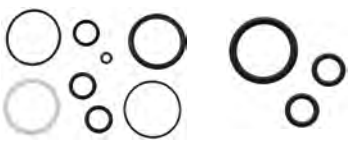


Quick and Easy
We have done the assembly for you!



Piston Assembly
P/N MC0542118-1
(with 1 5/16″ head bearing)

Seal Kits
P/N SDKT-5 and SDKT-6
Includes all necessary o-rings and backup rings



Original Cessna Shimmy Dampener Parts continued from previous page

Shimmy Dampener Replacement Parts for Cessna Aircraft

Aircraft	Serial Number	MC0542102-1 Head Bearing (1 9/16" diameter head bearing)	MC0542102-3 Head Bearing (1 3/16" diameter head bearing)	MC0542118-1 Piston Assy (1 5/16" diameter head bearing)	MC0542118-5 Piston Assy (1 3/16" diameter head bearing)	MC0842400-3 Piston	MC0542120-1 Shaft	SDKT-1 Seal Kit	SDKT-2 Repair Kit (1 5/16" diameter head bearing)	SDKT-3 Repair Kit (1 3/16" diameter head bearing)	SDKT-4 Hardware Kit	SDKT-5 Seal Kit	SDKT-6 Seal Kit
150, 150A,B,C,D,E,F, F150F	17879 and On	4	3					2			2		
150G1	15064533 thru 15067056	4	3	4	3	2	2	2	4	3	2		
150G1,H,J	15067057 and On		3		3	2	2	2		3	2		
150K,L,M, A150K,L,M, FA150K,L,M, FRA150L,M	All		3		3	2	2	2		3	2		
F150G	All	4	3	4	3	2	2	2	4	3	2		
F150H,J	All		3		3	2	2	2		3	2		
F150K,L,M	All		3		3	2	2	2		3	2		
152, A152, F152, FA152	All		3		3	2	2	2		3	2		
172, 172A,B,C,D,E,F,G,H1	46433 thru 17256449	4	3	4	3	2	2	2	4	3	2		
172H1,I,J,K,L,M,N,P,Q,R,S	17256450 and On		3		3	2	2	2		3	2		
F172D,E,F,G,H1	F172-0001 thru F172-0519	4	3	4	3	2	2	2	4	3	2		
F172H1,K,L,M,N,P	F172-0520 thru F17202254		3		3	2	2	2		3	2		
FP172, P172D	All	4	3	4	3	2	2	2	4	3	2		
FR172E,F,G,H,J,K, R172K	All		3		3	2	2	2		3	2		
175, 175A,B,C	55896 and On	4	3	4	3	2	2	2	4	3	2		
177, 177A,B	ALL											2	
182B,C,D	All	4	3	4	3	2	2	2	4	3	2		
182E	18253599 thru 18254143	4											
182K,L,M,N,P,Q,R,S,T1	18257626 thru 18281197												2
A182K,L,N	All												2
F182P,Q	All												2
T182T	T18208001 thru T18299999												2

1 Partial model eligibility
2 When equipped with fluid filled dampener (not a Lord rubber dampener)
3 When equipped with fluid filled dampener with a 1 3/16" diameter head bearing
4 When equipped with fluid filled dampener with a 1 5/16" diameter head bearing



Nose Wheel Steering Rods for Cessna Aircraft

Tired of *soft* worn out steering rods with broken down springs?
Replace them with our improved steering rods!

Save Thousands $$$

Cessna 150 thru 182D

- Redesigned long life springs that will never weaken!
- Stainless steel tubes for improved corrosion resistance (MC0543022 Series)
- Hardened internal washer for greater durability
- Our springs will never fail!

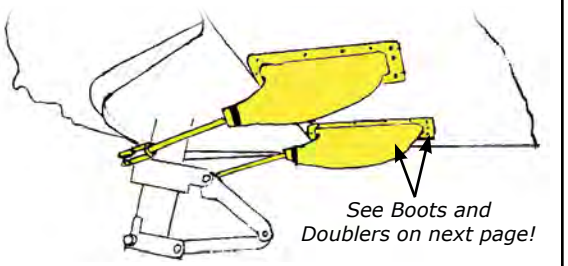


150 thru 172 Steering Rod
P/N MC0743008-2



175 and early 182 Steering Rod
P/N MC0543022-1

150 thru early 182 Steering Rod
P/Ns MC0543022-1 and MC0743008-2



See Boots and Doublers on next page!

Model	Steering Rod		Rod End (2 per A/C)
	Left Hand	Right Hand	
150, 150A,B,C,D,E,F,G,H	MC0543022-3	MC0543022-4	S1107-3
150J,K,L,M	MC0543022-3	MC0543022-4	S1823-3
A150K,L,M	MC0543022-3	MC0543022-4	S1823-3
F150F,G,H	MC0543022-3	MC0543022-4	S1823-3
F150J,K,L,M, FA150K,L	MC0543022-3	MC0543022-4	S1823-3
FRA150L,M	MC0543022-3	MC0543022-4	S1823-3
152, A152, F152, FA152	MC0543022-3	MC0543022-4	S1823-3
172, 172A	MC0543022-1	MC0543022-2	S1107-3
172B,C	MC0743008-1	MC0743008-2	S1107-3
172D,E,F,G,H,I,K,L,M,N,P,Q	MC0543022-1	MC0543022-2	S1823-3
F172D,E,F,G,H,K,L,M,N,P	MC0543022-1	MC0543022-2	S1823-3
FP172	MC0543022-1	MC0543022-2	S1823-3
FR172E,F,G,H,J,K	MC0543022-1	MC0543022-2	S1823-3
P172	MC0543022-1	MC0543022-2	S1823-3
R172E,F,G,H,K [1]	MC0543022-1	MC0543022-2	S1823-3
172R,S	MC0543022-1	MC0543022-2	S1823-3
175, 175A,B,C	MC0743008-1	MC0743008-2	S1107-3
177, 177A,B [1]			S1823-3
182,182A,B,C,D	MC0743008-1	MC0743008-2	S1107-3
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T F182P,Q, T182, T182T	MC0760622-1		MCMM3M12

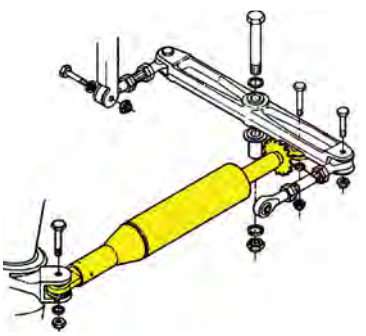
[1] Quantity of one Rod End required per aircraft.

Cessna 182E thru 182T

- More durable and lasts longer than the OEM
- Save thousands $$$
- More secure retention method
- Stronger and thicker washers
- Treated for anti-corrosion, primed, and painted



Later 182 Steering Rod
P/N MC0760622-1



Replace your worn/rusty Rod Ends!



P/N S1823-3



P/N S1107-3



P/N MCMM3M12

Don't forget your Sprocket!
P/N MC0760630-1
Anodized to prevent corrosion and wear
For Cessna 182E thru 182T



Maintenance Tip:
How do I know if my steering rods need to be replaced?
- *One or both sides offer little or no spring resistance to steering input*
- *More than 1 1/8" of free travel is present in either steering rod*
- *The aircraft pulls to either side during taxiing*
- *Inconsistent steering or rudder rigging*

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Nose Wheel Steering Rod Boots for Cessna

P/N MC0413304-3 for 150 thru 152 series
P/N MC0543015-6 for 172, 175 and early 182 series *(see below for later 182 series)*
Our Steering Rod Boots for Cessna 150 thru early 182 series are manufactured with a black Kevlar®/fiberglass blend fabric. The fatigue resistance of Kevlar is uniquely mated with the fire resistance of fiberglass. This is a super tough, high temperature fabric that will provide many years of outstanding performance.

- Keeps exhaust and carbon monoxide out of the cabin
- Protects the cabin in case of an engine fire



These bad boys can take the abuse!

Doubler for Cessna Aircraft

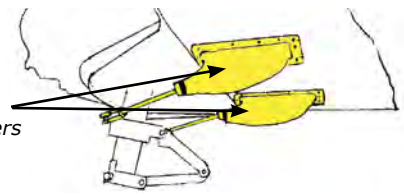
McFarlane doubler for 150-152 aircraft is now FAA-PMA approved
P/N MC0413304-6
Cheaper to replace than clean corrosion, prime, and paint the original! Doublers are alodined, primed, and painted to save installation time.



Save $$$

Now Offering Boot and Doubler Kits!

Each kit contains:
(2) boots, (2) doublers



Model	Boot (2 per A/C)	Doubler (2 per A/C)	Complete Kits[1]
150, 150A,B,C,D,E,F,G,H	MC0413304-3	MC0413304-6	SRB-KT-1
150J,K,L,M	MC0413304-3	MC0413304-6	SRB-KT-1
A150K,L,M	MC0413304-3	MC0413304-6	SRB-KT-1
F150F,G,H	MC0413304-3	MC0413304-6	SRB-KT-1
F150J,K,L,M, FA150K,L	MC0413304-3	MC0413304-6	SRB-KT-1
FRA150L,M	MC0413304-3	MC0413304-6	SRB-KT-1
152, A152, F152, FA152	MC0413304-3	MC0413304-6	SRB-KT-1
172, 172A	MC0543015-6	0543026-1	SRB-KT-2
172B,C	MC0543015-6	0543026-1	SRB-KT-2
172D,E,F,G,H,I,K,L,M,N,P,Q	MC0543015-6	0543026-1	SRB-KT-2
F172D,E,F,G,H,K,L,M,N,P	MC0543015-6	0543026-1	SRB-KT-2
FP172	MC0543015-6	0543026-1	SRB-KT-2
FR172E,F,G,H,J,K	MC0543015-6	0543026-1	SRB-KT-2
P172	MC0543015-6	0543026-1	SRB-KT-2
R172E,F,G,H,K [1]	MC0543015-6	0543026-1	SRB-KT-2
172R,S	MC0543015-6	0543026-1	SRB-KT-2
175, 175A,B,C	MC0543015-6	0543026-1	SRB-KT-2
182,182A,B,C,D	MC0543015-6	0543026-1	SRB-KT-2
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T F182P,Q, T182, T182T	***New!*** MC0713666-1	***New!*** MCS2357-2S	N/A
[1] Each kit contains (2) boots and (2) doublers			

Steering Rod Boot for 182E thru 182T

10 times the life at half the price!
P/N MC0713666-1 for 182E thru 182T
McFarlane has improved the design of both the boot and the retaining flange. The Cessna boot is prone to ripping and tears caused by fatigue and premature infrared heat related material break down. McFarlane has utilized a three ply material design incorporating both Kevlar and fiberglass, and a supple high temperature rubber coating. Kevlar and fiberglass work together to prevent wear, fatigue, and heat failures while offering 15 times the fire resistance of the original boot for extended fire protection at 2,000 degrees F.

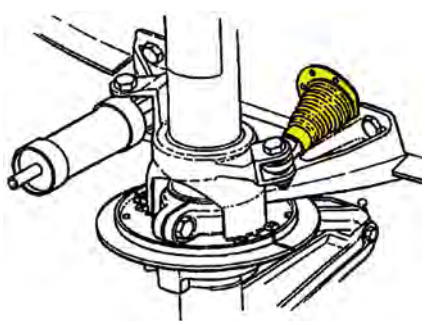
McFarlane has also upgraded the original aluminum flange to a stainless steel firewall material. The flange is included with the boot.

- Kevlar/Fiberglass composite for strength and fire protection
- Fire proof stainless steel flange
- Deeper convoluted design for better flexibility and longer life

Don't Forget the Hose Clamp!
P/N MCS2357-2S
Cessna failed to list the clamp in the parts catalog, therefore people tend to use a nylon cable tie which will easily melt away with an engine fire. Always use metal clamp P/N MCS2357-2S to attach the boot to the steering link.







Maintenance Tip:
Boot failure occurs from radiant heat off of the exhaust system and flexing with the steering system. Cessna original boots are manufactured with a fragile fiberglass base material and peroxide cured silicone that becomes stiff and brittle. This system offers poor resistance to flexing fatigue which causes premature boot failure. The 182 boot must be free from holes and leaks to prevent carbon monoxide from entering the cabin. It is normal for the exhaust system to leak exhaust at the component joints. Leaks in the firewall will allow exhaust and carbon monoxide to enter the cabin.



2,000° Flame Test

New original boot
failed in 40 seconds

McFarlane boot still intact
for more after 15 minutes!

Replacement Torque Links for Cessna 100 & 200 Series Aircraft

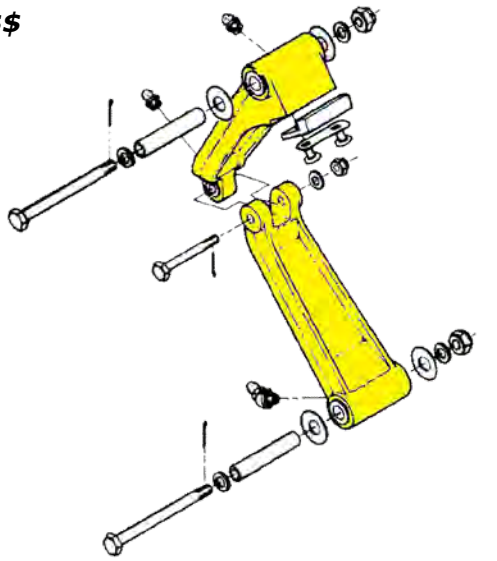
Replace your bent Torque Links and worn Stop Lugs with our assemblies! Ours are stronger, last longer, and cost less.

- Stronger alloy — made from a high-strength billet
- More metal to resist cracking and bending
- Increased service life
- Substantial cost savings $$$
- Primed and painted, ready for installation
- Complete with pre-installed Stop Lug, Bushings, and Grease Fittings

Save thousands $$$



Damaged Original Torque Link ***McFarlane Heavy Duty Torque Link***



See next page for Stop Lug and Safety Plate details

Use this chart to purchase Torque Links without bushings and stop lugs

Torque Link with Bushings	Torque Link without Bushings
MC0442506-1	1715
MC0442506-2	1716
MC0442506-12	1715
MC0543035-3	1717
MC0543035-8	1718
MC1243635-1	1715

Torque Link Assembly

Aircraft	Serial Number	Upper	Lower	Stop Lug	Safety Plate	Stop Lug Safety Plate & Bolt Kit
150D[1],E,F[1], F150F[1]	15060477 thru 15063457 F150-0001 thru F150-0055	MC0442506-1[3]	MC0442506-2[3]	MC0442506-8[3]	MC0442506-9[3]	TLSL-KT-1
150G,H,J, F150G,H,J	All	MC0442506-1[2]	MC0442506-2[2]	MC0442506-8	MC0442506-9	TLSL-KT-1
150K,L,M, A150K,L,M, F150K,L,M, FA150K,L,M	All	MC0442506-1	MC0442506-2	MC0442506-8	MC0442506-9	TLSL-KT-1
FRA150L,M	All	MC0442506-1	MC0442506-2			
152, A152, F152, FA152	All	MC0442506-1	MC0442506-2	MC0442506-8	MC0442506-9	TLSL-KT-1
172B,C	All	MC0543035-8	MC0543035-3			
172D,E,F,G, F172D,E,F,G	All	MC0543035-8[4]	MC0543035-3[4]			
172H,I,K,L,M[1]	17245893 thru 17263458	MC0442506-1[4]	MC0442506-2[4]	MC0442506-8	MC0442506-9	TLSL-KT-1[3] TLSL-KT-2[2]
172M[1],N,P,Q	17263459 and on	MC0442506-1	MC0442506-2	MC0442506-8	MC0442506-9	TLSL-KT-2
172R,S	All	MC0442506-1	MC0442506-2	MC0442506-8	MC0442506-9	TLSL-KT-1
172RG	All		MC0442506-2			
F172H,K,L,M[1]	F17200655 thru F17201234	MC0442506-1[4]	MC0442506-2[4]	MC0442506-8	MC0442506-9	TLSL-KT-1[3] TLSL-KT-2[2]
F172M[1],N,P	F17201235 and on	MC0442506-1	MC0442506-2	MC0442506-8	MC0442506-9	TLSL-KT-2
FR172E,F,G	All	MC0442506-1[4]	MC0442506-2[4]	MC0442506-8	MC0442506-9	TLSL-KT-1[3] TLSL-KT-2[2]
FR172H,J	All	MC0442506-1[2]	MC0442506-2[2]	MC0442506-8	MC0442506-9	TLSL-KT-1
FR172K	All	MC0442506-1	MC0442506-2	MC0442506-8	MC0442506-9	TLSL-KT-2
P172D	All	MC0543035-8[4]	MC0543035-3[4]			
R172E,F,G,H	All	MC0442506-1[3]	MC0442506-2[3]	MC0442506-8	MC0442506-9	TLSL-KT-2
R172K	All	MC0442506-1	MC0442506-2	MC0442506-8	MC0442506-9	TLSL-KT-2
175A,B,C	All	MC0543035-8	MC0543035-3			
177RG, F177RG	All		MC0442506-2			
182A[1],B,C,D	34754 thru 18253598	MC0543035-3				

Notes:
[1] Partial model eligibility
[2] Standard Nose Strut
[3] Heavy Duty Nose Strut
[4] Standard and Heavy Duty Nose Struts
[5] Replacement bolts for upper torque links on these aircraft is P/N MC1243422-1
[6] Replacement shims for upper torque links on these aircraft are P/N MC1243618-2 is 0.020" and P/N MC1243618-3 is 0.011"
Upper Torque Links use Lube Fitting P/N AS15002-1P where applicable
Lower Torque Links use Lube Fitting P/N AS15002-3P where applicable

Continued on next page

Replacement Torque Links continued from previous page

Torque Link Assembly						
Aircraft	**Serial Number**	**Upper**	**Lower**	**Stop Lug**	**Safety Plate**	**Stop Lug Safety Plate & Bolt Kit**
182E,F,G,H,J	All		MC0543035-3 4			
182K,L,M,N	All	MC0442506-1 3	MC0442506-2 3	MC0442506-8 3	MC0442506-9	TLSL-KT-2 3
182K,L,M,N,P1	18257626 thru 18262465	MC0442506-12 2		MC0442506-11 2	MC0442506-9	TLSL-KT-4 2
182P 1	18260826 thru 18262465		MC0442506-2 2	MC0442506-11	MC0442506-9	TLSL-KT-4
182P 1,Q,R, T182T, F182P,Q	18262466 and on	MC0442506-12	MC0442506-2	MC0442506-11	MC0442506-9	TLSL-KT-4
182S,T, T182T	All	MC0442506-12	MC0442506-2	MC0442506-11	MC0442506-9	TLSL-KT-3
FR182,R182,T182,TR182	All		MC0442506-2			
205	All	MC0543035-3 4				
206H, T206H	All	MC1243635-1 4	MC0442506-2 4	MC1243629-2 4	MC0442506-9	
P206B,C,D,E, TP206B,C,D,E	All		MC0442506-2 4	MC0442506-8 3	MC0442506-9 3	TLSL-KT-2
TU206B,C,D,E,F 1 U206B,C,D,E,F 1	U206-0657 thru U20602199	MC1243635-1 4	MC0442506-2 4	MC0442506-8 3	MC0442506-9 3	TLSL-KT-2
TU206F, 1G, U206F 1,G	U20602200 thru U20607020	MC1243635-1 4	MC0442506-2 4	MC1243629-2 4	MC0442506-9 3	
207, 207A, T207, T207A	All	MC1243635-1 4	MC0442506-2 4	MC1243629-2 4	MC0442506-9	
208, 208B	All	See details below				
210G,H, T210G,H	All	5 6				
210J,K,L,M,N,R, T210J, T210K,L,M,N,R, P210N,R	All	MC1243426-2 5 6		MC1243038-1		

Notes:
1 Partial model eligibility
2 Standard Nose Strut
3 Heavy Duty Nose Strut
4 Standard and Heavy Duty Nose Struts
5 Replacement bolts for upper torque links on these aircraft is P/N MC1243422-1
6 Replacement shims for upper torque links on these aircraft are P/N MC1243618-2 is 0.020" and P/N MC1243618-3 is 0.011"
Upper Torque Links use Lube Fitting P/N AS15002-1P where applicable
Lower Torque Links use Lube Fitting P/N AS15002-3P where applicable

Nose Gear Torque Link Assemblies

Improved to reduce wear and prevent cracks
Upper P/N AF2643084-1
Lower P/N AF2643084-2

- Approved for all Cessna 208, 208B models
- Hard aluminum surface to reduce wear
- Precision fit and ready for installation
- Designed to prevent cracking in threaded grease fitting holes
- Durable powder coating finish

P/N AF2643084-1 (Upper)



P/N AF2643084-2 (Lower)



Manufactured by Airforms Inc.

Torque Link Stop Lugs and Safety Plate for Cessna Aircraft

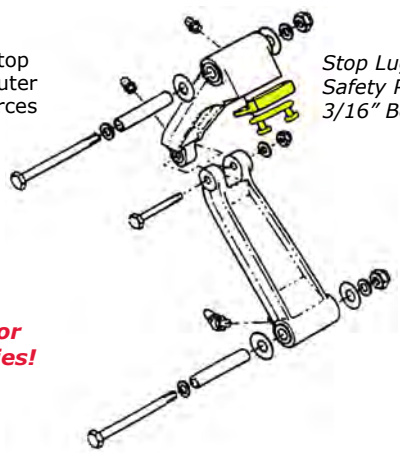
Replace worn out stop lugs to reduce drag!

This often overlooked but important part is affordable at McFarlane! The torque link stop lug is a sacrificial part that hammers against a flat spot on the lower part of the shock strut outer tube when the strut extends after take off. This prevents the strut from overextending and forces the nose wheel and rudder system into proper alignment for flight.

Due to repeated hammering with every takeoff, these stop lugs must be periodically replaced. Excessive wear can allow overextension of the strut. They also often wear unevenly resulting in inconsistent alignment of the nose wheel in flight which then causes extra drag and yaw. The extra yaw can require increased rudder trim which causes even more drag. So yes, replacing a torque link stop lug can reduce drag!

- Safety plate features bend up tabs to secure stop lug bolts
- Super tough 4130 alloy steel
- Kits include stop lug, safety plate and applicable 3/16" bolts.

See previous page for Torque Link Assemblies!



Stop Lug Safety Plate 3/16" Bolt

More Important Than You Think

Overextension of the nose strut due to a worn out stop lug can lead to a cascade of problems. McFarlane A&P mechanics have seen struts over extend to the point where the metering pin comes out of the orifice. This results in loss of dampening action and the pin hammering the orifice every landing and distorting and enlarging it. Over time, the excess nose strut travel and lack of dampening can result in fatigue cracks in the torque link arms. McFarlane recommends thoroughly inspecting all nose strut components when replacing a severely worn stop lug.



Maintenance Tip:
Replace the stop lug if it is no longer flush with the strut, mushroomed, worn rounded, bent away from the torque link, or if it has stress cracks. The safety plate should not be reused.

Cessna Nose Gear Torque Link Repair Kits

FAA-PMA approved P/Ns TL-KT-1 thru TL-KT-11

Includes all commonly replaced torque link parts in a convenient kit:
Bushings, Spacers, Shims, Nuts, Bolts, Washers and Cotter Pins

Prevents nose wheel shimmy!

Cessna Brass Nose Gear Torque Link Shim Kit

Eliminates undamped torque link motion to prevent shimmy

Only McFarlane has three shim sizes for a precision fit!

P/N TL-SHIM-KT-1 contains:

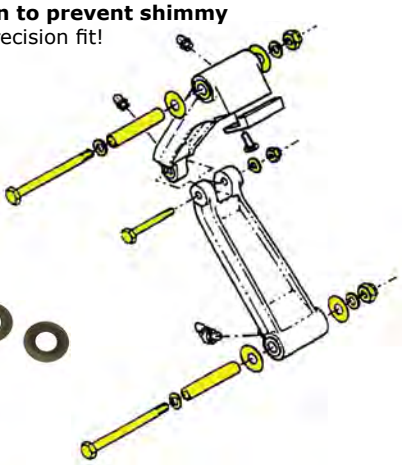
(2) MCS1450-6B14-005 0.005" Thick
(2) MCS1450-6B14-007 0.007" Thick
(5) MCS1450-6B14-010 0.010" Thick

Cessna Torque Link Spacers

P/N MC0543047-1 and MC0543047-2

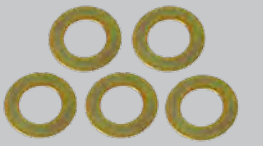
Tightly controlled minimal end chamfer maximizes bearing surface between spacer and fork to ensure a secure clamp and prevent fork wear





NAS1149F0316P Ultra-Thin Washers

Hard to find 3/16" ID, 0.016" thick standard steel washers are useful for fine tuning the center "knee" joint fit on most Cessna torque links. Available in packs of 5.



Not included in torque link kits

Model	Serial Number	Part Numbers																	
		TL-KT-1	TL-KT-1-H [8]	TL-KT-2	TL-KT-4	TL-KT-5	TL-KT-6	TL-KT-7	TL-KT-8 [2]	TL-KT-9 [2][7]	TL-KT-10	TL-KT-11	TL-SHIM-KT-1	MC0543047-1	MC0543047-2	MCS1450-6B14-005	MCS1450-6B14-007	MCS1450-6B14-010	MCS1450-6B14-012	MCS1450-6B14-015
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150K-M, F150F-M, FA150K-M, FRA150L,M	All	•	•										•	•		•	•	•	•	•
152, A152, F152, FA152	All	•											•	•		•	•	•		
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S, F172D-P, FP172, FR172E-K, P172D, R172K	28000 thru 36141, 36150 thru 36153							•											•	•
	36142 thru 36149, 36154 thru 172S99999	•											•	•		•	•	•	•	•
172RG	All						•						•	•		•	•	•	•	•
175, 175A,B,C	All	•											•	•		•	•	•		
177, 177A,B	All										•								•	•
177RG, F177RG	All						•						•	•		•	•	•	•	•
182	All	•								•			•	•		•	•	•	•	•
182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q	All	•											•	•		•	•	•	•	•
182R	All						•						•	•		•	•	•	•	•
182S,T, T182T	All	•											•	•		•	•	•	•	•
F182P,Q	All	•											•	•		•	•	•	•	•
R182, T182, FR182, TR182	All						•						•	•		•	•	•	•	•
205 (210-5) 205A, (210-5A)	All	•											•	•		•	•	•	•	•
206, P206, P206A, TP206A, TU206A, U206, U206A [3]	All	•		•									•	•	•	•	•	•	•	•
P206B,C,D,E [1], TP206B,C,D,E [1][6]	P206-0307 thru P20600641	•										•	•	•	•	•	•	•	•	•
P206E [1], TP206E [1]	P20600642 thru P20600647											•	•	•	•	•	•	•	•	•
TU206B,C,D,E [1], U206B,C,D,E [1][6]	U206-0657 thru U20601537	•										•	•	•	•	•	•	•	•	•
TU206E [1],F [1], U206E [1],F [1]	U20601538 thru U20602199											•	•	•	•	•	•	•	•	•
TU206F [1],G, U206F [1],G	U20602200 thru U20607020				•								•	•	•	•	•	•	•	•
206H, T206H	All				•								•	•	•	•	•	•	•	•
207 [1], 207A, T207 [1][4], T207A	20700001 thru 20700228				•	•							•	•	•	•	•	•	•	•
	20700229 thru 20700788				•								•	•	•	•	•	•	•	•
210, 210A,B,C,D,E,F,G,H,J	All	•											•	•		•	•	•	•	•
210K [3]	All	•		•									•	•	•	•	•	•	•	•
210L [1][5], T210L [1][5]	21059503 thru 21060255	•						•					•	•	•	•	•	•	•	•
210L [1],M,N,R, P210N,R, T210L [1],M,N,R	21060256 and on							•					•	•	•	•	•	•	•	•
T210F,G,H,J,K	All	•											•	•		•	•	•	•	•

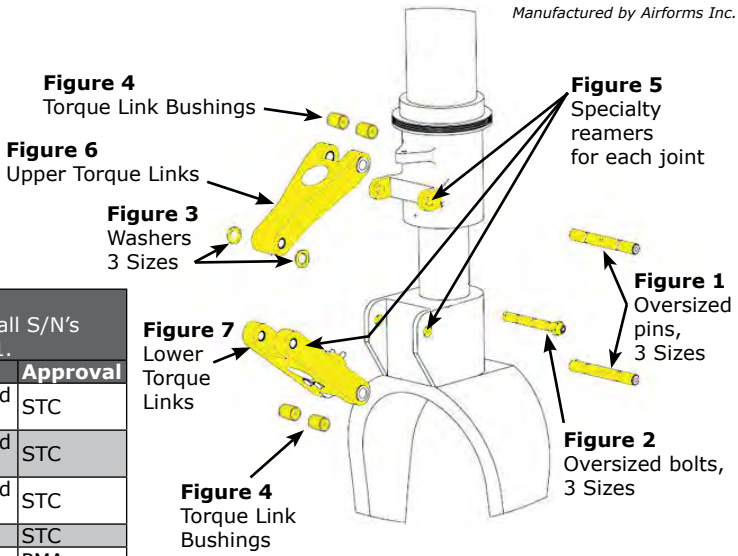
[1] Partial model eligibility
[2] Used on Cessna models with heavy duty landing gear that use AN6 size (3/8-24 UNF) bolts in the upper and lower torque link joints. The normal duty landing gear uses AN4 size (1/4-28 UNF) bolts in the upper and lower torque link joints.
[3] These models may use one of two choices. Aircraft with both upper and lower spacers measuring ~ 2 inches long will use TL-KT-1 (containing two MC0543047-1 spacers). Aircraft with an upper spacer measuring ~ 2.6 inches and a lower spacer measuring ~2 inches will use TL-KT-2 (containing one MC0543047-1 and one MC0543047-2 spacer).
[4] These models may use one of two choices. Aircraft with both upper and lower spacers measuring ~ 2 inches long will use TL-KT-5 (containing two MC0543047-1 spacers). Aircraft with an upper spacer measuring ~ 2.6 inches and a lower spacer measuring ~2 inches will use TL-KT-4 (containing one MC0543047-1 and one MC0543047-2 spacer).
[5] These models may use one of two choices. Aircraft with both upper and lower spacers measuring ~ 2 inches long will use TL-KT-1 (containing two MC0543047-1 spacers). Aircraft with an upper spacer measuring ~ 2.6 inches and a lower spacer measuring ~2 inches will use TL-KT-7 (containing one MC0543047-1 and one MC0543047-2 spacer).
[6] These models may use one of two choices. Aircraft with both upper and lower spacers measuring ~ 2 inches long will use TL-KT-1 (containing two MC0543047-1 spacers). Aircraft with an upper spacer measuring ~ 2.6 inches and a lower spacer measuring ~2 inches will use TL-KT-11 (containing one MC0543047-1 and one MC0543047-2 spacer).
[7] Availability of one component of this kit (0841000-63) is limited. Call for current status.
[8] P/N TL-KT-1H only eligible for serials 15060477 thru 15064532 - **WITH** heavy duty nose gear

Cessna Caravan Torque Link Repair STC

Manufactured by Airforms Inc.

Minimal downtime repair to keep 208/208B nose gears shimmy-free
This STC will dramatically reduce nose gear swaps

- Save over $15K and be flying the same-day
- Reduce downtime by repairing in the field
- Convenient tool kit allows for on-airplane repair
- EASA approved



Eligible model series:
Fits all Cessna 208/208B with "double lug" torque links. Includes all S/N's after 2080133/208B0098 or earlier S/N's equipped with SK208-51.

Fig	Part Number	Description	Approval
5	TOOL KIT + .010	REAMERS, Oversized .010 - short and long piloted reamers + tap handle	STC
5	TOOL KIT + .020	REAMERS, Oversized .020 - short and long piloted reamers + tap handle	STC
5	TOOL KIT + .030	REAMERS, Oversized .030 - short and long piloted reamers + tap handle	STC
5	TOOL KIT 32-604-56-01	REAMERS, all three sizes	STC
6	AF2643084-1	Upper Torque Link	PMA
7	AF2643084-2	Lower Torque Link	PMA
1	AF2643091-1	PIN, Nominal	PMA
1	AF2643091-1010	PIN, Oversize .010	PMA
1	AF2643091-1020	PIN, Oversize .020	PMA
1	AF2643091-1030	PIN, Oversize .030	PMA
2	AF2643092-1	BOLT, Nominal	PMA
2	AF2643092-1010	BOLT, Oversize .010	PMA
2	AF2643092-1020	BOLT, Oversize .020	PMA
2	AF2643092-1030	BOLT, Oversize .030	PMA
3	32-604-37-22005	WASHER, .005 thickness	STC
3	32-604-37-22010	WASHER, .010 thickness	STC
3	32-604-37-22015	WASHER, .016 thickness	STC
4	AF2643085-200	BUSHING, Torque Link	PMA
	STC-TORQUE LINK	Torque Link STC	STC

Tool kits contain:
Short and long piloted reamers and tap handle


P/N AF2643092-1010, BOLT


P/N AF2643091-1010, PIN


Tap handle


Short piloted reamer

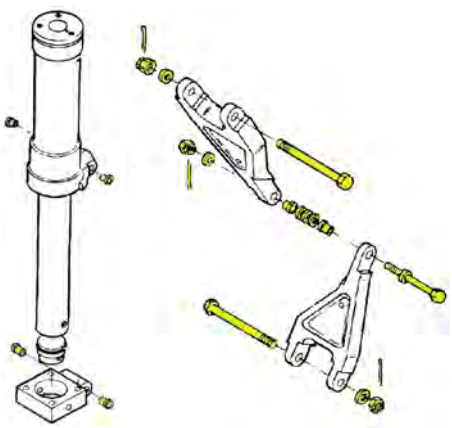

Long piloted reamer

Nose Gear Torque Link Repair Kits for Piper Aircraft

Prevents shimmy by removing looseness in the torque links

- Replaces all common wear torque link components in a convenient kit
- Fits most Piper aircraft
- Contains FAA-PMA parts from PMA Products, standard hardware, or original Piper parts
- Save time and money! No more research and ordering of individual parts





Aircraft	Serial Number	Main Wheel Kit *2 kits req if not labeled Left/Right*	Nose Wheel Kit
PA-23, PA23-160	All	PTL-KT-91	PTL-KT-91
PA-23-235	All	PTL-KT-92 w/o Notched Bushings PTL-KT-93 w/Notched Bushings	PTL-KT-92 w/o Notched Bushings PTL-KT-93 w/Notched Bushings
PA-23-250	All	PTL-KT-92 w/o Notched Bushings PTL-KT-93 w/Notched Bushings	PTL-KT-92 w/o Notched Bushings PTL-KT-93 w/Notched Bushings
PA-E23-250	All	PTL-KT-92 w/o Notched Bushings PTL-KT-93 w/Notched Bushings	PTL-KT-92 w/o Notched Bushings PTL-KT-93 w/Notched Bushings
PA-24, PA-24-250, PA-24-260, PA-24-400	All	PTL-KT-36 Left PTL-KT-75 Right	PTL-KT-95
PA-28-140, PA-28-150, PA-28-160, PA-28-180	All	PTL-KT-11	PTL-KT-31
PA-28-151	All	PTL-KT-13	PTL-KT-29

Continued on next page

Nose Gear Torque Link Repair Kits for Piper Aircraft continued from previous page

Aircraft	Serial Number	Main Wheel Kit *2 kits req if not labeled Left/Right*	Nose Wheel Kit
PA-28-161	2816001 thru 2816119	PTL-KT-41	PTL-KT-31
	2841001 thru 2841365	PTL-KT-10	PTL-KT-26
	2842001 thru 2842999	PTL-KT-5	PTL-KT-32
	28-7716001 thru 28-7816253	PTL-KT-15	PTL-KT-31
	28-7816254 thru 28-8616057	PTL-KT-41	
PA-28-181	2843001 thru 2843999	PTL-KT-3	PTL-KT-30
	2890001 thru 2890231	PTL-KT-7	PTL-KT-27
	28-7690001 thru 28-7890231	PTL-KT-12	
	28-7890232 thru 28-8690062	PTL-KT-7	
PA-28-201T	All	PTL-KT-2	PTL-KT-52
PA-28-235	All	PTL-KT-11	PTL-KT-31
PA-28-236	All	PTL-KT-77	PTL-KT-28
PA-28R-180	28R-30002 thru 28R-31279	PTL-KT-59 Right	PTL-KT-78
	28R-7130001 thru 28R-7130005	PTL-KT-40 Left PTL-KT-60 Right	PTL-KT-81
	28R-7130006 thru 28R-7130013	PTL-KT-39 Left PTL-KT-60 Right	PTL-KT-81
PA-28R-200	28R-30482, 28R-35001 thru 28R-7135062	PTL-KT-40 Left PTL-KT-59 Right	PTL-KT-78
	28R-7135063 thru 28R-7135109	PTL-KT-40 Left PTL-KT-60 Right	PTL-KT-81
	28R-7135110 thru 28R-7635545	PTL-KT-39 Left PTL-KT-60 Right	PTL-KT-81
PA-28R-201, PA-28R-201T	2803001 thru 2837061	PTL-KT-44 Left PTL-KT-61 Right	PTL-KT-81
PA-28R-201	2844001 thru 2844999	PTL-KT-39 Left PTL-KT-68 Right	PTL-KT-100
PA-28R-201, PA-28R-201T	2803001 thru 2837061 28R-7703001 thru 28R-7837317	PTL-KT-44 Left PTL-KT-61 Right	PTL-KT-81
PA-28RT-201, PA-28RT-201T	All	PTL-KT-43 Left PTL-KT-61 Right	PTL-KT-80
PA-30	All	PTL-KT-95	PTL-KT-95
PA-31, PA-31-300, PA-31-325	31-5 thru 31-7812120	PTL-KT-22 w/Notched Bushings PTL-KT-21 w/o Notched Bushings	PTL-KT-90 w/o Notched Bushings PTL-KT-98 w/Notched Bushings
	31-7812121 thru 31-8312019		PTL-KT-97 w/Notched Bushings PTL-KT-56 w/o Notched Bushings
PA-31-350	31-5001 thru 31-8553002	PTL-KT-25 w/o Notched Bushings PTL-KT-18 w/Notched Bushings	PTL-KT-67 w/o Notched Bushings PTL-KT-73 w/Notched Bushings
PA-31-350 (T1020)	31-8253001 thru 31-8553002	PTL-KT-24 w/o Notched Bushings PTL-KT-17 w/Notched Bushings	PTL-KT-70 w/o Notched Bushings PTL-KT-64 w/Notched Bushings
PA-31P	All	PTL-KT-25 w/o Notched Bushings PTL-KT-18 w/Notched Bushings	PTL-KT-65 w/o Notched Bushings PTL-KT-72 w/Notched Bushings
PA-31P-350	All	PTL-KT-25 w/o Notched Bushings PTL-KT-18 w/Notched Bushings	PTL-KT-65 w/o Notched Bushings PTL-KT-71 w/Notched Bushings
PA-31T, PA-31T1, PA-31T2, PA-31T3	All	PTL-KT-23 w/o Notched Bushings PTL-KT-16 w/Notched Bushings	PTL-KT-65 w/o Notched Bushings PTL-KT-71 w/Notched Bushings
PA-32-260	32-1 thru 32-7700023	PTL-KT-14	PTL-KT-33
	32-7800001 thru 32-7800008	PTL-KT-9	
PA-32-300	32-40000 thru 32-7840043	PTL-KT-14	PTL-KT-33
	32-7840044 thru 32-7940290	PTL-KT-9	
PA-32-301, PA-32-301T	All	PTL-KT-8	PTL-KT-34
PA-32-301FT, PA-32-301XTC	All	PTL-KT-6	PTL-KT-35
PA-32R-300	All	PTL-KT-37 Left PTL-KT-69 Right	PTL-KT-81
PA-32R-301, PA-32R-301T	3213001 thru 3229003	PTL-KT-42 Left PTL-KT-60 Right	PTL-KT-81
	3246001 thru 3257999	PTL-KT-45 Left PTL-KT-63 Right	PTL-KT-80
	32R-8013001 thru 32R-8629008	PTL-KT-42 Left PTL-KT-60 Right	PTL-KT-81
PA-32RT-300, PA-32RT-300T	All	PTL-KT-41 Left PTL-KT-60 Right	PTL-KT-99
PA-34-200	All	PTL-KT-42 Left PTL-KT-60 Right	PTL-KT-86
PA-34-200T	All	PTL-KT-38 Left PTL-KT-58 Right	PTL-KT-86
PA-34-220T	3433001 thru 3447029	PTL-KT-57	PTL-KT-86
	3448038 thru 3448079	PTL-KT-57	PTL-KT-86
	3449001 thru 34-8633031	PTL-KT-57	PTL-KT-86
PA-38-112	All		PTL-KT-1
PA-39	All	PTL-KT-95	PTL-KT-95

Continued on next page

Nose Gear Torque Link Repair Kits for Piper Aircraft continued from previous page

Aircraft	Serial Number	Main Wheel Kit *2 kits req if not labeled Left/Right*	Nose Wheel Kit
PA-42, PA-42-720, PA-42-720R	All	PTL-KT-20 PTL-KT-25 w/o Notched Bushings	PTL-KT-65 w/o Notched Bushings PTL-KT-71 w/Notched Bushings
PA-42-1000	All	PTL-KT-19	PTL-KT-65 w/o Notched Bushings PTL-KT-71 w/Notched Bushings
PA-44-180	4495001 thru 4495013	PTL-KT-44 Left PTL-KT-61 Right	PTL-KT-80
	4496001 thru 4496999		PTL-KT-74
	44-7995001 thru 44-8195026		PTL-KT-80
PA-44-180T	All	PTL-KT-43 Left PTL-KT-62 Right	PTL-KT-80
PA-46-310P	All	PTL-KT-48	PTL-KT-96
PA-46-350P (w/ G1000)	All	PTL-KT-47	PTL-KT-88
PA-46-350P (w/o G1000)	4622001 thru 4622200	PTL-KT-46	PTL-KT-96
	4636001 thru 4636195	PTL-KT-51	PTL-KT-88
	4636196 thru 4636999	PTL-KT-50	
PA-46-500TP (w/ G1000)	All	PTL-KT-54	PTL-KT-87
PA-46-500TP (w/o G1000)	All	PTL-KT-55	PTL-KT-87
PA-46R-350T (w/ G1000)	All	PTL-KT-50	PTL-KT-89
PA-46R-350T (w/o G1000)	All	PTL-KT-50	PTL-KT-88

1 Some aircraft eligibile for PLT-KT-4 are fitted with a bolt. Aircraft serial number does not indicate which bolt is needed, the installer must determine the correct bolt. Bolt P/N 37881-002 is 3.96" long and used with fairings made from cycolac (plastic). Bolt P/N 37881-003 is 4.22" long and used with fairings made from fiberglass. Bolts are available from McFarlane.

Removing Torque Link Bushings (Nose Gear Scissors)

By Dave McFarlane

Removing the flanged bushings from the torque link forging can be difficult without a good surface to press against or grab onto. To easily remove them, thread them with a tap, screw a bolt in the thread, and then drive or press against the bolt. The thread does not have to be full depth to hold securely in the bushing. The bushing material is somewhat hard, but a standard hardware store tap will work. Use cutting oil on the tap to prevent tap damage. Normally the bushing will come out easily. For stubborn bushings, soak the link assembly in boiling water before pressing the bushing. The heat will expand the aluminum forging more than the steel bushing. This helps loosen the press fit while limiting the temperature, which prevents overheating and harming the heat treat of the aluminum forging. A controlled oven can be substituted for boiling water, but do not exceed 350° F. Do not use flame or other non-controlled heat sources. For an alternate method, put dry ice in the bushing before driving or pressing on the bolt that you threaded into the bushing. Do not over-press or hammer as the aluminum can gall to the bushing and leave a damaged bushing bore. If the bushing does not come out with light to moderate force, use heat or cold to help.

Australian Strut Seal Kits for Cessna Aircraft

Don't waste your time with substandard seals, nothing compares!

- Double edge ("X" style) seal that will not twist and leak!
- Solves the continuous leak and re-service problems with the Cessna nose strut
- Go years without servicing!

Maintenance Tip:
Wipe the chrome strut down with Stoddard solvent (mineral spirits) periodically to soften & remove dried oil film, dirt, dust and bugs.

P/N MCSK172-1F
Fits most Cessna Nose Struts

- PMA direct replacement for Cessna P/N SK172-1F
- Includes all O-rings and back-up rings needed
- Includes scraper and AN901-5A gasket
- Improved lock rings are made of 304 stainless steel for better corrosion resistance

P/N MCSK172-2
Fits many Cessna Nose Struts and Main Gear!
Visit our website for Main Gear eligibility.

- Includes all O-rings and back-up rings needed
- Includes scraper and AN901-5A gasket
- Improved lock rings are made of 304 stainless steel for better corrosion resistance



Components available separately

NEW

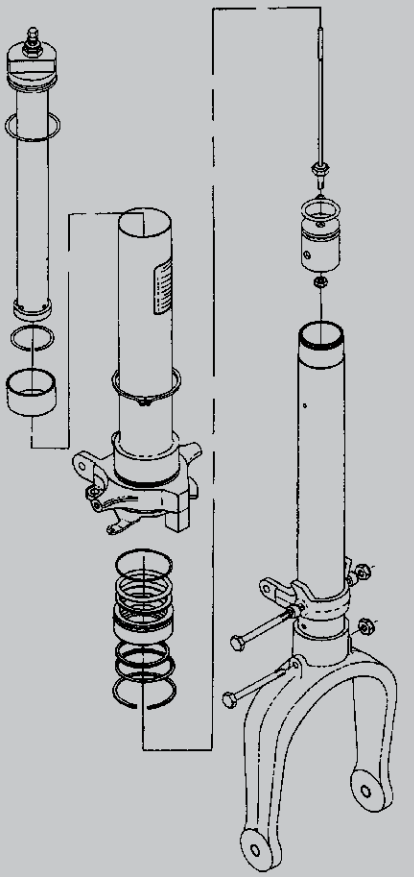
Aircraft	Kit P/N: MCSK172-1F	MCSK172-2	NSS-KT-2	Component P/N and Description: AN901-5A Gasket	MC0841200-19 Lock Ring	MC0841200-25 Lock Ring	MCS1628-329 Scraper Ring	MCS2418-1 Scraper Ring	MS28775-010 O-ring	MS28775-221 O-ring	MS28775-225 O-ring	MS28775-228 O-ring	1100 Quad Ring	MS28782-32 Retainer Packing
All 150, 152, 172, 175 and 177RG	•			•	•	•	•	•	•	•	•	•	•	
182, 182A,B,C,D		•	•	•	•	•		•	•	•	•	•	•	•
182E-T, A182J,K,L,N	•			•	•	•	•	•	•	•	•	•	•	
F182P,Q, FR182, R182, TR182, T182, T182T	•			•	•	•	•	•	•	•	•	•	•	
210-5 (205)			•	•	•	•		•	•	•	•	•		•
210-5A (205A)	•			•	•	•	•	•	•	•	•	•	•	
206, 207	•			•	•	•	•	•	•	•	•	•	•	
210, 210A		•	•	•	•	•		•	•	•	•	•	•	•
210B-R, P210N,R, T210F-R	•			•	•	•	•	•	•	•	•	•	•	
T303	•			•	•	•	•	•	•	•	•	•	•	
310, 310B,C,D,F,G,H, I,J,J-1,K,L,N		•	•	•	•	•		•	•	•	•	•	•	•
310P,Q			•	•	•	•		•	•	•	•	•		•
E310H,J		•		•	•	•		•	•	•	•	•	•	
320, 320-1, 320A,B,C,D,E,F		•	•	•	•	•		•	•	•	•	•	•	•
336		•	•	•	•	•		•	•	•	•	•	•	•
337	•			•	•	•	•	•	•	•	•	•	•	

Why Does My Cessna Nose Strut Keep Leaking Down?

By Dave McFarlane

Cessna Nose strut "leak down" has plagued Cessna owners for the last 65 years. Why is it that a month after you reseal the nose strut you find the strut down again or just low and showing signs of a little MIL-5606 on the pretty chrome? It always happens on Sunday when no one is around to help you service it. You service it up the next week only to have it do it again next month. After several strut reseals most people just resign to servicing it often and consider it part of owning a Cessna. Piper and Beech struts do not leak down or need to be resealed often and they are high pressure!

With a strong belief that everything that goes wrong on an airplane has a reason that can be explained by physics, we did some research. It was observed that the low time leaking O-ring that was removed always showed signs of being slightly twisted and otherwise like new. Further experiments and close evaluations proved that the O-ring would twist from friction caused by an oxidized hydraulic fluid film on the chrome strut. You probably have noticed how MIL-5606 hydraulic fluid tends to dry and get sticky after it is exposed to air. Add a little runway dust to the back side of the strut and it really gets sticky. The low operating pressures of the Cessna strut does not put a lot of holding pressure to stabilize the sealing O-ring. It was observed that the sticky film on the chrome strut can grab and adhere to the O-ring during a normal strut action cycle. If the sticky film is not evenly dispersed on the strut, the O-ring is rolled a little on the filmy side only. This uneven rolling action puts a slight twist in the O-ring. This slight twist can break the normal seal between the strut and the O-ring allowing a slow unpredictable leak.



It seemed logical that if you lowered the friction on the O-ring surface you could eliminate the problem. A hunt was on for a low friction O-ring that would resist being rolled and would have good durability. After many experiments with Teflon® coated and other specialty O-rings only partial success was achieved. They either were not as durable or the sealing characteristics were not as good as the standard rubber O-ring.

A break finally came at Airventure Oshkosh when Tony Brand of Horsham Aviation Services located in Horsham, Victoria, Australia came by and explained how they solved the problem. They had observed the same twisting of the strut O-ring and went on to explain how they replaced the round O-ring with a square ("X" style) O-ring that can not rotate. The standard backup rings were simply reversed to match the square sides of the new style O-ring. The "X" O-rings have the same material as the standard ones. Brilliant! Why didn't we think of that!? We rushed home and changed all the O-ring seals in five of the airplanes on the field. One of them was our 152 trainer that takes a lot of abuse. We were going to find out if those innovative Aussies knew what they were talking about. Sure enough, that was almost five years ago and we have never had to service the nose strut (not even with air) on any of the aircraft with the square O-rings! My hat goes off to the boys from Down Under for saving the industry thousands of man hours every year and making the Cessna fleet more reliable! Thank you!

Our FAA-PMA seal kit, P/N MCSK172-1F now includes the square ("X" style) O-ring and instructions for reversing the back up rings.

Main and Nose Strut Seal and Repair Kits for Piper Aircraft

Vast Eligibilty for Pipers: PA-22 thru PA-46 aircraft

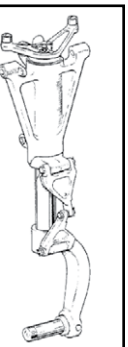
McFarlane has main and nose, strut seal kits and repair kits for Piper aircraft. Kits are model and serial number specific giving you only the parts required, saving you time and money. All components are industry standard or original Piper parts.

- Save time and money!
- Reference your model and serial number for the best fit kit
- One kit = parts for one strut

PSS seal kits contain rubber and plastic parts.
PSR repair kits contain the required PSS seal kit and commonly needed metal parts.

More kits added!





Aircraft Model	Serial Number	Main Strut				Nose Strut			
		Seal Kit	Qty	Repair Kit	Qty	Seal Kit	Qty	Repair Kit	Qty
PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-22S-135, PA-22S-150, PA-22S-160	All	N/A	N/A	N/A	N/A	PSS-KT-19	1	PSR-KT-31	1
PA-23, PA-23-160	All	PSS-KT-3	2	PSR-KT-77	2	PSS-KT-3	1	PSR-KT-77	1
PA-23-235, PA-23-250, PA-E23-250	All	PSS-KT-3	2	PSR-KT-14	3	PSS-KT-3	1	PSR-KT-14	3
PA-24, PA-24-250, PA-24-260, PA-24-400	All	PSS-KT-1	2	PSR-KT-1	2	PSS-KT-1	1	PSR-KT-1	1
PA-28-140, PA-28-150, PA-28-160	28-01 thru 28-3281 28-10003 thru 28-10719 28-20002 thru 28-21639	PSS-KT-10	2	PSR-KT-34	2	PSS-KT-19	1	PSR-KT-75	1
	28-3282 thru 4377 28-10720 thru 28-7710089 28-21640 thru 28-7725290					PSS-KT-20	1	PSR-KT-60	1
PA-28-151	All	PSS-KT-36	2	PSR-KT-58	2	PSS-KT-18	1	PSR-KT-26	1

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Main and Nose Strut Seal and Repair Kits for Piper Aircraft continued from previous page

Aircraft Model	Serial Number	Main Strut				Nose Strut			
		Seal Kit	Qty	Repair Kit	Qty	Seal Kit	Qty	Repair Kit	Qty
PA-28-161	2816001 thru 2816119 2841001 thru 2841365 2842001 thru 2842999 28-7716001 thru 28-8616057	PSS-KT-36	2	PSR-KT-58	2	PSS-KT-18	1	PSR-KT-26	1
PA-28-180	28-671 thru 28-3281	PSS-KT-10	2	PSR-KT-34	2	PSS-KT-19	1	PSR-KT-75	1
	28-3282 thru 28-7205328					PSS-KT-20	1	PSR-KT-60	1
	28-730501 thru 28-7505260					PSS-KT-26	1	PSR-KT-76	1
PA-28-181	2890001 thru 2890231 28-7690001 thru 28-8690062	PSS-KT-36	2	PSR-KT-58	2	PSS-KT-20	1	PSR-KT-60	1
	2843001 thru 2843999	PSS-KT-33	2	PSR-KT-9	2	PSS-KT-20B		PSR-KT-60B	1
PA-28R-180, PA-28R-200	All	PSS-KT-12	2	PSR-KT-11	2	PSS-KT-4	1	PSR-KT-20	1
PA-28-201T	All	PSS-KT-31	2	PSR-KT-44	2	PSS-KT-37	1	PSR-KT-59	1
PA-28R-201	2844001 thru 2844999	PSS-KT-12	2	PSR-KT-17	2	PSS-KT-12	1	PSR-KT-10	1
	2837001 thru 2837061 28R-7737002 thru 28R-7837317	PSS-KT-11	2	PSR-KT-8	2	PSS-KT-4B	1	PSR-KT-18	1
PA-28R-201T	2803001 thru 2803012	PSS-KT-11	2	PSR-KT-8	2	PSS-KT-4B	1	PSR-KT-18	1
	28R-7703001 thru 28R-7803373								
PA-28RT-201, PA-28RT-201T	All	PSS-KT-12	2	PSR-KT-17	2	PSS-KT-25	1	PSR-KT-9	1
PA-28-235	28-10001 thru 28-10719	PSS-KT-10	2	PSR-KT-34	2	PSS-KT-19	1	PSR-KT-75	1
	28-10720 thru 28-7210033					PSS-KT-20	1	PSR-KT-60	1
	28-7310001 thru 28-7710089					PSS-KT-26	1	PSR-KT-76	1
PA-28-236	2811001 thru 2811050, 28-7911001 thru 28-8611008	PSS-KT-31	2	PSR-KT-44	2	PSS-KT-18	1	PSR-KT-26	1
PA-30	All	PSS-KT-1	2	PSR-KT-1	2	PSS-KT-1	1	PSR-KT-15	1
PA-31	31-2 thru 31-7812120	PSS-KT-23	2	PSR-KT-56	2	PSS-KT-34	1	PSR-KT-52	1
	31-7812121 thru 31-8312019					PSS-KT-39	1	PSR-KT-62	1
PA-31-300, PA-31-325	31-2 thru 31-78121200	PSS-KT-23	2	PSR-KT-56	2	PSS-KT-34	1	PSR-KT-52	1
	31-7812121 thru 31-8312016					PSS-KT-39	1	PSR-KT-62	1
	31-8312017 thru 31-8312019	N/A	N/A	N/A	N/A				
PA-31-350	31-5001 thru 31-8352036	PSS-KT-22B	2	PSR-KT-48	2	PSS-KT-34B	1	PSR-KT-52B	1
	31-8352037 thru 8553002	PSS-KT-22	2	PSR-KT-47	2				
PA-31-350 (T1020)	All	PSS-KT-22	2	PSR-KT-47	2	PSS-KT-34	1	PSR-KT-53	1
PA-31P	All	PSS-KT-13	2	PSR-KT-67	2	PSS-KT-16	1	PSR-KT-68	1
PA-31P-350	All	PSS-KT-22	2	PSR-KT-47	2	PSS-KT-33	1	PSR-KT-49	1
PA-31T	31T-7400002 thru 31T-8120050	PSS-KT-52B	2	PSR-KT-55	2	PSS-KT-33	1	PSR-KT-49	1
	31T-8120051 thru 31T-8120104	PSS-KT-52	2	PSR-KT-54	2	PSS-KT-33B	1	PSR-KT-49B	1
PA-31T1	31T-1104004 thru 31T-7804000	PSS-KT-52	2	PSR-KT-54	2	PSS-KT-33	1	PSR-KT-49	1
	31T-7804001 thru 31T-8104055	PSS-KT-52B	2	PSR-KT-55	2				
	31T-8104056 thru 31T-8304003	PSS-KT-52	2	PSR-KT-54	2	PSS-KT-33B	1	PSR-KT-49B	1
PA-31T2	31T-1166001 thru 31T-8166000	PSS-KT-52	2	PSR-KT-54	2	PSS-KT-33	1	PSR-KT-49B	1
	31T-8166001 thru 31T-8166013	PSS-KT-52B	2	PSR-KT-55	2	PSS-KT-33	1	PSR-KT-49	1
	31T-8166014 thru 31T-8166076	PSS-KT-52	2	PSR-KT-54	2	PSS-KT-33B	1	PSR-KT-49B	1
PA-31T3	All	PSS-KT-32	2	PSR-KT-45	2	PSS-KT-33	1	PSR-KT-49	1
PA-32-260, PA-32-300	All	PSS-KT-10	2	PSR-KT-32	2	PSS-KT-2	1	PSR-KT-23	1
PA-32-301, PA-32-301T, PA-32-301FT, PA-32-301XTC	All	PSS-KT-9	2	PSR-KT-33	2	PSS-KT-20	1	PSR-KT-60	1
PA-32R-300	All	PSS-KT-12	2	PSR-KT-11	2	PSS-KT-4B	1	PSR-KT-18	1
PA-32R-301, PA-32R-301T	3213001 thru 3213103 3229001 thru 3229003	PSS-KT-4B	2	PSR-KT-73	2	PSS-KT-4	1	PSR-KT-20	1
	3246001 thru 3246999 3257001 thru 3257999	PSS-KT-12	2	PSR-KT-11	2	PSS-KT-25	1	PSR-KT-9	1
	32R-8013001 thru 32R-8613006 32R-8029001 thru 32R-8629008	PSS-KT-4B	2	PSR-KT-73	2	PSS-KT-4	1	PSR-KT-20	1
PA-32RT-300, PA-32RT-300T	All	PSS-KT-28	2	PSR-KT-40	2	PSS-KT-28	1	PSR-KT-39	1
PA-34-200	All	PSS-KT-12	2	PSR-KT-11	2	PSS-KT-7B	1	PSR-KT-71	1
PA-34-200T	All	PSS-KT-4B	2	PSR-KT-70	2	PSS-KT-7B	1	PSR-KT-29	1
PA-34-220T	3447001 thru 3447029 3449001 thru 3449999	PSS-KT-43	2	PSR-KT-69	2	PSS-KT-7	1	PSR-KT-29	1
	3448001 thru 3448079 3433001 thru 3433172 34-8133001 thru 34-8633031	PSS-KT-11 [1] PSS-KT-11B [3]		PSR-KT-6 [3]		PSS-KT-7 [4] PSS-KT-7B [2]		PSR-KT-27 [4] PSR-KT-28 [1]	
PA-39	All	PSS-KT-1	2	PSR-KT-1	2	PSS-KT-1	1	PSR-KT-15	1
PA-42	All	PSS-KT-40	2	PSR-KT-63	2	PSS-KT-42	1	PSR-KT-65	1
PA-42-720	42-5501003 thru 42-5501060 42-8301001 thru 42-8301002	PSS-KT-40	2	PSR-KT-63	2	PSS-KT-42	1	PSR-KT-65	1
PA-42-720R	All	PSS-KT-40	2	PSR-KT-63	2	PSS-KT-42	1	PSR-KT-65	1

[1] Use only when bearing has (1) O-ring on ID
[2] Use only when bearing has (1) O-ring groove on ID
[3] Use only when bearing has T-seal and backup ring or (1) O-ring with (1) backup ring
[4] Used to replace O-ring and (1) backup ring or a T-Seal and (2) backup rings in ID

Main and Nose Strut Seal and Repair Kits for Piper Aircraft continued from previous page

Aircraft Model	Serial Number	Main Strut				Nose Strut			
		Seal Kit	Qty	Repair Kit	Qty	Seal Kit	Qty	Repair Kit	Qty
PA-42-1000	All					PSS-KT-42	1	PSR-KT-65	1
PA-44-180	4495001 thru 4495013 44-7995001 thru 44-8195026	PSS-KT-25	2	PSR-KT-74	2	PSS-KT-25	1	PSR-KT-74	1
	4496001 thru 4496999	PSS-KT-25	2	PSR-KT-66	2	PSS-KT-25	1	PSR-KT-9	1
PA-44-180T	All	PSS-KT-25	2	PSR-KT-74	2	PSS-KT-25	1	PSR-KT-74	1
PA-46-310P	All	PSS-KT-24	2	PSR-KT-36	2	PSS-KT-27	1	PSR-KT-35	1
PA-46-350P (w/G1000)	All	PSS-KT-24	2			PSS-KT-27	1	PSR-KT-35	1
PA-46-350P (w/o G1000)	4622001 thru 4622200 4636001 thru 4636195	PSS-KT-24	2	PSR-KT-36	2	PSS-KT-27	1	PSR-KT-35	1
	4636196 thru 4636999	PSS-KT-21	2	PSR-KT-43	2				
PA-46R-350T (w/ or w/o G1000) PA-46-500TP (w/ or w/o G1000)	All	PSS-KT-21	2	PSR-KT-43	2	PSS-KT-27	1	PSR-KT-35	1

Remote Nose Gear Servicing Port

Eliminates the need to reach up into the nose gear tunnel!
P/N ATRS-100

- For Cessna 205, 206, and 207
- Relocates the servicing port to the side of the nose gear tunnel
- Simplifies servicing of the nose gear strut

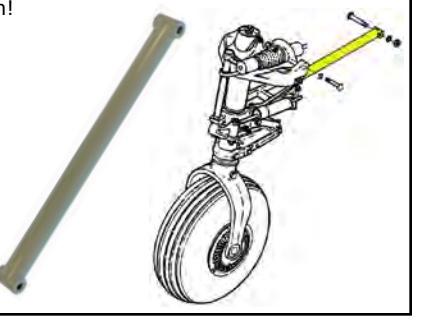


Cessna Aircraft	With STC Installed
206, 206H, T206H, P206, P206A,B,C,D,E, TP206A,B,C,D,E, TU206A,B,C,D,E,F,G, U206, U206A,B,C,D,E,F,G	SA02198AD-D
207, 207A, T207, T207A	SA02202AK-D

Nosegear Drag Link

Durable, High Quality Construction!
P/N AD1243600-1

- Corrosion resistant white powder coated finish
- Alaskan Bush Tough!
- 50% off Cessna
- FAA-PMA



Model
U206B,C,D,E,F,G
TU206B,C,D,E,F,G
P206B,C,D,E
TP206B,C,D,E
207, 207A, T207, T207A

Main and Nose Strut Seal Kit for Beechcraft

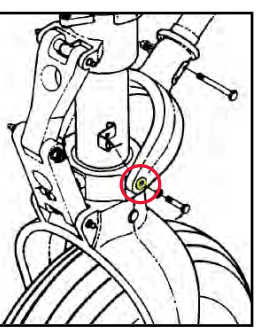
Manufactured by Rapco

Aircraft	Main P/N	Nose P/N
B-33, F-33, V-35B, 36, A36, G36, A36TC, B36TC	JMBZMS	JMBZNS

Nose Gear Spring Fork Needle Bearing for Caravan

P/N MS24462-5

- Fits all Cessna 208 models
- 2 required per aircraft
- Save up to 25%

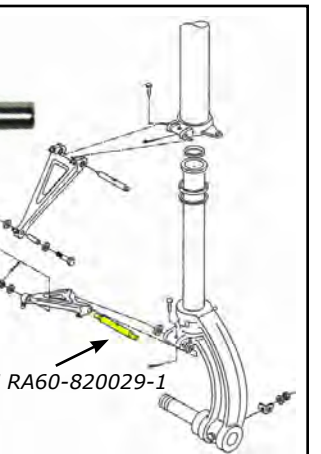


Tow Pin for Beechcraft

P/N RA60-820029-1



Aircraft
35-A33, 35-B33, 35-C33, 35-C33A, E33,F33, G33, E33A, F33A, F33C
N35, P35, S35, V35, V35A, V35B,
36,A36,A36TC,B36TC,
95-55, 95-A55, 95-B55, 95-C55, D55,E55
56TC, A56TC
58, 58TC, 58P
B60
Manufactured by Rapco

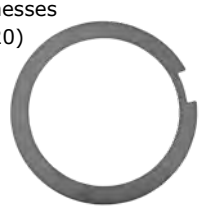


Nose Gear Shims for Cessna Aircraft

NEW

Just the right fit to remove excessive vertical free play between the collar and strut housing!

- Available in three thicknesses (.006), (.012), and (.020)
- Get exactly what you need, not more!
- Save $$$



Manufactured by Textron

Aircraft	P/N	Thickness
150, A150, 152, A152, 172, 182, T182	1243030-5	0.006
	1243030-6	0.012
	1243030-7	0.020

Nose Gear Shock Strut Bearing Cups and Cones for Caravan

Bearing Cup
P/N L217813-20629

Bearing Cone
P/N L217849-20629

- Fits all Cessna 208 models
- 2 required per aircraft



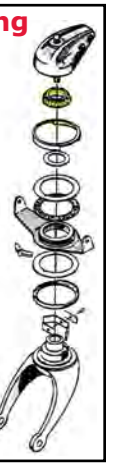
Manufactured by The Timken Company

Tail Wheel Fork Bearing for Cessna Aircraft

Bearing Cup
P/N 08231-20629

Bearing Cone
P/N 08118-20629

Direct replacement for Cessna P/N 0742400-12



Manufactured by The Timken Company

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Nose Gear Bearings

FAA-PMA approved for Cessna aircraft

NEW

Save $$$
In stock!

Ring Pack Support
P/N MCAJB-32T-4

- Stainless steel for corrosion resistance
- PFTE composite-lined for smoother strut action
- Liner holds oil for longer life
- Easy on your chrome strut

Shock Strut Bearing
P/N MC1243021-1

- Save $$$

Shock Strut Bearing
P/N MC1243021-1



Ring Pack Support
P/N MCAJB-32T-4





Bearing P/N MC1243021-1
150, 150A,B,C,D,E,F,G,H,J,L,M, A150K,L, A150M, F150F,GKL,M, FA150K,L,M
152, A152, F152, FA152
172, 172A,B,C,D,E,F,G,H,I,K,L, 172M,N,P,Q,R,RG,S, F172D,E,F,G,H,K,L,M,N,P, FP172D,E, FR172F,G, R172E,F,G,H,K
175, 175A,B,C
177RG
182, 182A,B,C,D,E,F,G,H,J,K,L, 182M,N,P,Q,R,S,T, F182Q, FR182, R182, T182, T182T
210-5A (205A)
206, 206H, P206, P206A,B,C,D,E, TU206F, TU206G, U206, U206A,B,C,D,E,F,G
207, 207A, T207, T207A
210, 210A,B,C,D,E,G,H,J,K,L,M,N,R, P210N, P210R
310, 310B,C,D,F,G,H,I,J,J-1,K,L,N,P,Q
320, 320-1, 320A,B,C,D
336
337, 337A,B,C,D,E,F,G,H, F337G,H, P337H
411, 411A

Ring Pack P/N MCAJB-32T-4
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150K,L,M, F150F,G,H,J,K,L,M, FA150K,L,M
152, A152, F152, FA152
172, 172A,B,C,D,E,F,G,H,I,K,L,M, 172N,P,Q,R,RG,S, F172D,E,F,G,H, F172K,L,M,N,P, FR172E,F,G,H,J,K, P172D, R172E,F,G,H,K
175, 175A,B,C
177RG, F177RG
182, 182A,B,C,D,E,F,G,H,J,K,L, 182M,N,P,Q,R,S,T, FR182, R182, T182, T182T, TR182
210-5A (205A)
206, 206H, P206, P206A,B,C,D,E, T206H, TU206F,G, U206, U206A,B,C,D,E,F,G
207, 207A, T207, T207A
210, 210A,B,C,D,E,G,H,J, K,L,M,N,R, P210N,R, T210G,H
T303
310, 310B,C,D,F,G,H,I,J,K, L,N,P,Q,R, T310P,Q,R
320, 320-1, 320A,B,C,D
335
336
337, 337A,B,C,D,E,F,G,H, F337E,F,G, FT337E,F, P337H, T337E,F
340, 340A
401, 401A,B
402, 402A,B,C
404
411, 411A
414, 414A
421, 421A,B,C
425
441

Nose Gear Quad Ring

P/N CA484-770
Fits Piper Models
PA-28-140,150,151,160,161,
PA-28-180,181,235,236,
PA-32-260,300,301,301T



Main Gear Scraper Ring

P/N MS28776M2-18
Fits Piper Models
PA-28-140,150,151,161,
PA-28-180,181,235,236,
PA-32-260,300



Main Gear Quad Ring

P/N CA484-769
Fits Piper Models
PA-28-140,150,151,160,161,
PA-28-180,181,235,236,201T,
PA-32, PA-32-260,300,301,301T



Manufactured by PMA Products, Inc.

Landing Gear Box Shims

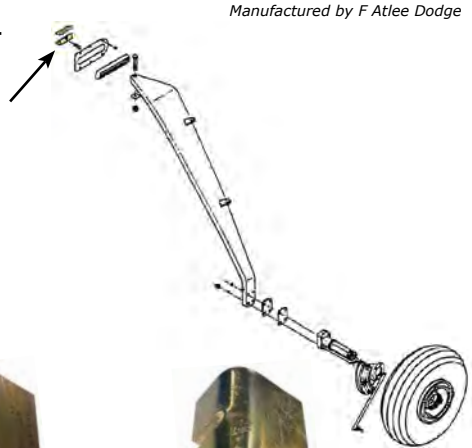
For Cessna aircraft using leaf spring landing gear

- 4130N steel, plated
- FAA-PMA

Manufactured by F Atlee Dodge

Model	AD0441023-2 [1]	AD0741022-1 [3]	AD0741022-2 [4]	AD0441023-160 [2]
	Qty per Aircraft			
120, 140, 140A		A/R		
150A	2-4	A/R		
150B,C,D,E,F,G,H,J,K	2-4	A/R		2
A150K				2
A150L, F150F,G,H,J	2-4	A/R		
F150K, FA150K	2-4	A/R		2
170, 170A,B		A/R		
180, 180A,B,C,D,E		A/R		
180F	2-4	A/R		
180G,H,J,K	2-4	A/R		A/R
180J,K	2-4	A/R	A/R	A/R
185, 185A,B,C,D,E, A185E	2-4	A/R		A/R
A185F	2-4	A/R	A/R	A/R
190, 195A,B		A/R		

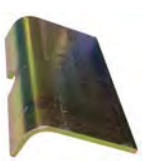
[1] 0.100" tapered shim
[2] 0.160" tapered shim
[3] 0.040" shim
[4] 0.050" shim



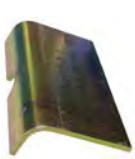


P/N AD0441023-2
0.100" Tapered Shim

P/N AD0441023-160
0.160" Tapered Shim



P/N AD0741022-1
0.040" Shim



P/N AD0741022-2
0.050" Shim

Landing Gear Axle Shim

Tapered shim to adjust axle alignment
P/N AD1941007-1
FAA-PMA approved for
207, 207A, T207, T207A
(2) per aircraft

Save $$$



Manufactured by F Atlee Dodge

Cessna Brake Line Fairing Extrusion

Reduce Drag! P/N P580058

- Paintable
- Easily attaches with super glue
- Replaces P/N S1511-1

White rubber extrusion that attaches to the trailing edge of flat Cessna landing gears and serves as a fairing for the brake line.

This extrusion was original equipment on later model aircraft with flat gears. Many mechanics use this as an improvement for the earlier aircraft.

Manufactured by Cessna Aircraft Company

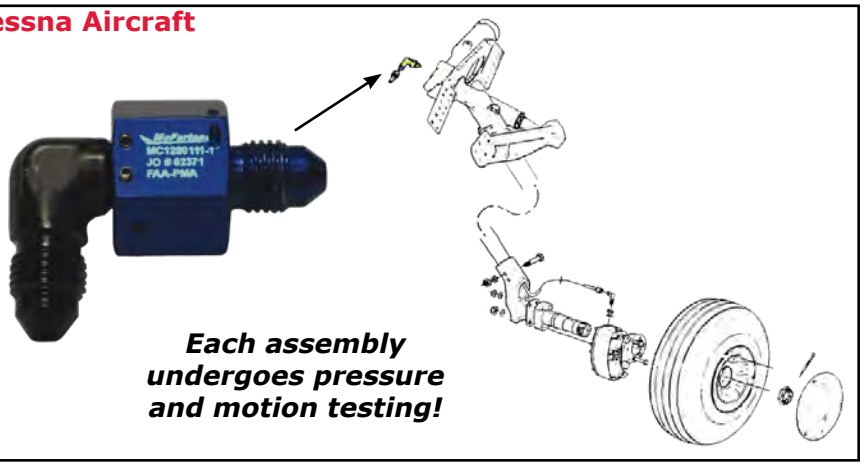


Retractable Gear Brake Swivel for Cessna Aircraft

Replace your leaking Brake Swivel Assembly

- FAA-PMA approved P/N MC1280111-1
- Save up to 25%
- Includes O-ring part number MS28778-3
- In stock, readily available!

Aircraft
172RG
177RG, FR177RG
FR182, R182, TR182
210, 210A,B,C,D,E,F,G,H,J,K,L,M,N,R
P210N,R
T210F,G,H,J,K,L,M,N,R



Each assembly undergoes pressure and motion testing!

Wheel Pant Mounting Plates for Cessna Aircraft

P/Ns MC0441225-1, MC0441225-2, MC0541220-1, MC0541220-2

- Machined from high strength aluminum alloy
- Anodized for corrosion resistance
- Nut plates are riveted in place — ready to install!



Maintenance Tip:
Wheel pant mounting plates commonly crack around the axle. If any cracks are present, they should be replaced. Cracks are caused by wheel pant vibration. Assure that the wheel pant axle bolts are tight. Proper wheel balance will lessen wheel pant vibration. See Tools and Maintenance section for an effective wheel balancer.

Model	Serial Number	Left	Right
150L[1],M	15074851 thru 15079405	MC0441225-1	MC0441225-2
F150L[1],M	F15001014 thru F15001428	MC0441225-1	MC0441225-2
A150L[1],M	A1500430 thru A1500734	MC0441225-1	MC0441225-2
FRA150L[1],M	FRA1500212 thru FRA1500336	MC0441225-1	MC0441225-2
152	15279406 thru 15286033	MC0441225-1	MC0441225-2
A152	A1520735 thru A1521049	MC0441225-1	MC0441225-2
F152	F15201429 thru F15201980	MC0441225-1	MC0441225-2
FA152	FA1520337 thru FA1520425	MC0441225-1	MC0441225-2
172M[1],N,P,Q	17261899 thru 17276673	MC0541220-1	MC0541220-2
172R	17280001 and On	MC0541220-1	MC0541220-2
172S	172S80001 and On	MC0541220-1	MC0541220-2
F172M[1],N,P	F17201035 thru F17202254	MC0541220-1	MC0541220-2
FR172J[1],K	FR17200441 thru FR17200675	MC0541220-1	MC0541220-2
R172K	R1722000 thru R1723454	MC0541220-1	MC0541220-2

[1] Partial model eligibility

Axles for Cessna Aircraft

Don't lose an airplane because of a broken aluminum axle!

Steel Axle
P/N AF1441003-1

- Weighs only 2.28 lbs
- Save hundreds $$$



Titanium Axle
P/N AF1441003-1T

- Reduces weight by 2 lbs vs. steel axles
- Will not rust

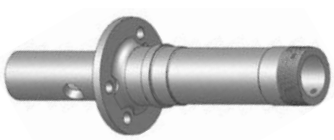


Model	Serial Number
170, 170A,B	18000 thru 27169
180, 180A-H	30000 thru 18052284
182, 182A-S	33000 and On
T182, R182, TR182	1820001 thru R18202041
185, 185A-E, A185E-F	1850001 thru 18504448
206, U206, U206A-G, TU206A-G	206-0001 thru U20607020
P206, P206A-E, TP206A-E	P206-0001 thru P20600647
206H, T206H	All

High Strength Parts for Helio H-295 Courier Aircraft

Parts are manufactured from high strength material and machined from a single billet - stronger than original welded assemblies!
Axle P/N AF250-040-495

- Cad plated for increased durability
- Precision fit - drop in direct replacement
- Accommodates wheel-ski installation



Manufactured by Airforms, Inc.

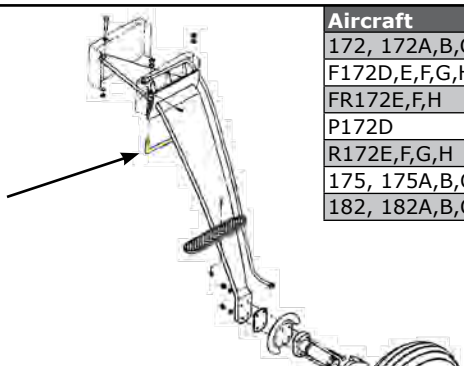
Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Landing Gear U-Bolt for Cessna Aircraft

P/N MC0541153

- Save $$$
- Vacuum re-melt crankshaft steel alloy for extreme fatigue resistance
- Rolled "J" threads instead of cut threads for twice the fatigue resistance
- FAA approved ICA allows 1200 hrs service life instead of 1000 hrs as per SE78-68





Aircraft
172, 172A,B,C,D,E,F,G,H,I,K
F172D,E,F,G,H
FR172E,F,H
P172D
R172E,F,G,H
175, 175A,B,C
182, 182A,B,C,D

U-Bolt History and Maintenance

By Dave McFarlane

U-Bolts take immense vibration and cyclic stress loading from landing and taxiing on imperfect runways. The long Cessna landing gear legs have tremendous twisting leverage on the U-Bolts. Every imperfection you feel while taxiing or operating on the runway is magnified to large stress forces on the U-Bolts that clamp the gear to the outboard fuselage support forgings. The Cessna U-Bolts are made from standard 4130 Steel with inclusions and other imperfections in the metal. The standard sharp threads are cut during Cessna manufacture. The cut threads allow stress concentration of the large stress forces in the sharp "V" of the thread where the U-Bolts are often found broken. When the aircraft is operated with broken U-Bolts, the weight of the airplane and the inboard attachment bolt keeps the landing gear in place, but the twisting gear stress results in hammering vibration on the gear forgings.

If you listen for it, you can hear a broken U-Bolt in the cabin during taxi or you can check for a broken U-Bolt by kicking the tire while holding your finger between the gear leg and the fuselage structure. You will feel movement if the U-Bolt is broken. This hammering will eventually start cracks in the aluminum gear forging and the forging must be replaced — a very expensive repair. It is also recommended to replace the inboard gear support bolt if the aircraft has been operated with a broken U-Bolt. The inboard bolt is a special high strength magnafluxed bolt that is critical to landing gear security. Because of the U-Bolt failure problem, Cessna issued Service Bulletin SE78-68 requiring periodic inspection of the U-Bolts and replacement of the U-Bolts every 1000 hours to prevent failure and to prevent continued operation with failed U-Bolts. Proper torque process and value are also very important to prevent U-Bolt failure.

McFarlane U-Bolts are manufactured from higher strength 4340 Crankshaft Steel that has been re-melted under vacuum to remove imperfections in the steel. The threads are roll formed, which strengthens the threads by perfecting the grain structure of the metal that drastically improves fatigue resistance. The "J" style rolled threads are formed with a radius in the bottom of the thread "V" that spreads out the stress loading. McFarlane furnishes new nuts that are designed to work effectively with the "J" thread design. The McFarlane U-Bolts are then carefully heat treated and tempered for perfection in strength and fatigue resistance. Our FAA approved Instructions for Continuous Airworthiness (ICA) conservatively recommend 1200 hours between U-Bolt replacements.

Nose Gear Gravel Deflector

Protect your cargo pod from costly rock damage

- Deflect rocks from belly, antennas, and cargo pod
- For maximum equipment protection, install the Main Gear Gravel Deflector and the Nose Tire Scraper
- Also great for operating from paved surfaces!



Manufactured by AeroTwin

Aircraft	P/N
Cessna	
206, 206H, T206H[1], P206, P206A,B,C,D,E[1], TP206A,B,C,D,E[1] TU206A,B,C,D,E,F,G[1] U206, U206A,B,C,D,E,F,G[1]	NGD6-100
208, 208B	NGD8-100
Quest/Daher	
Kodiak 100	NGDQ-100

Notes:
[1] Only approved with the Airglas large nose fork

Main Landing Gear Gravel Deflector

Prevent damage to the stabilizer and aft fuselage

- Deflect rocks from stabilizer and fuselage
- Keep mud, snow, and rocks off of your wings
- Installation requires no additional holes in the structure



Aircraft	P/N	Applicable w/ STC Installed
Cessna		
180, 180A,B,C,D,E,F,G,H,J,K	GD5-100	SA02022AK
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q[2]	GD5-102	
185, 185A,B,C,D,E, A185E,F	GD5-105	SA4622NM
P206, P206A,B,C,D,E[1], TP206A,B,C,D,E[1]	GD6-100	SA4614NM
TU206A,B,C,D,E,F,G[1], U206, U206A,B,C,D,E,F,G[1]	GD6-200	SA02003AK
207, 207A, T207, T207A	AT-GD-1001	SA4623NM
208, 208B	GD8-100	SA4651NM
Quest/Daher		
Kodiak 100	GDQ-100	

[1] For big tires, use P/N GD6-200
[2] S/N 33000 thru 18266590

Manufactured by AeroTwin

Nose Tire Scraper

Shield your propeller from gravel, sand, and water damage!
P/N ATI-208TS fits Caravan 208, 208B with STC SA2335NM installed
P/N TSQ-100 fits Quest/Daher Kodiak 100

- Easily install in under 20 minutes
- Rubber scraper knocks rocks out of the tire tread to keep them from being flung forward though the prop
- Replacement rubber scrapers are available



Manufactured by AeroTwin

Brake and Wheel Components

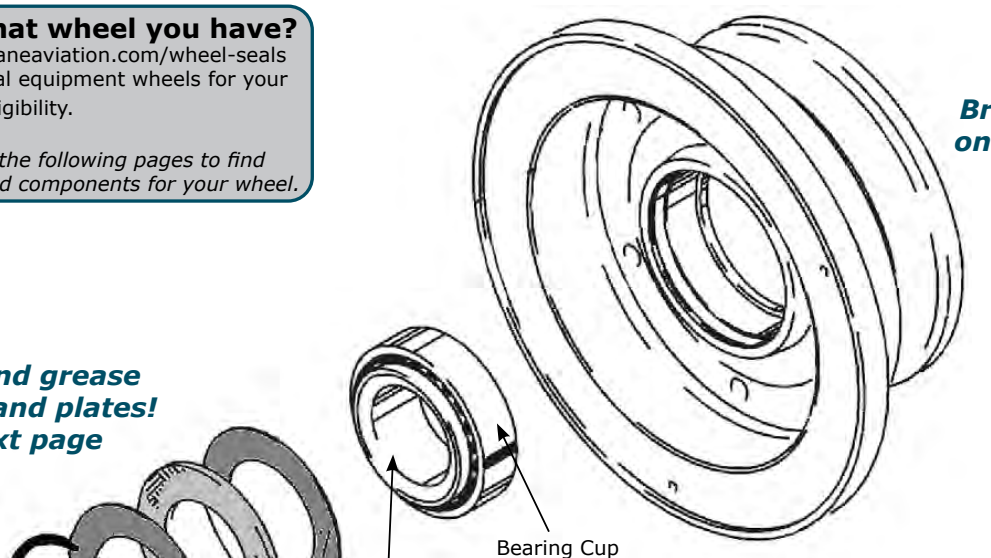
Brake Discs, Linings, Seals, and Wheel Bearing Cups and Cones



Optimal brake performance and safety!

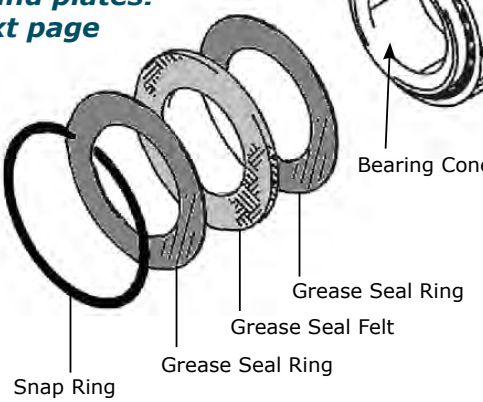
Not sure what wheel you have?
Visit www.mcfarlaneaviation.com/wheel-seals to find the original equipment wheels for your aircraft and its eligibility.

See the table on the following pages to find the correct kit and components for your wheel.

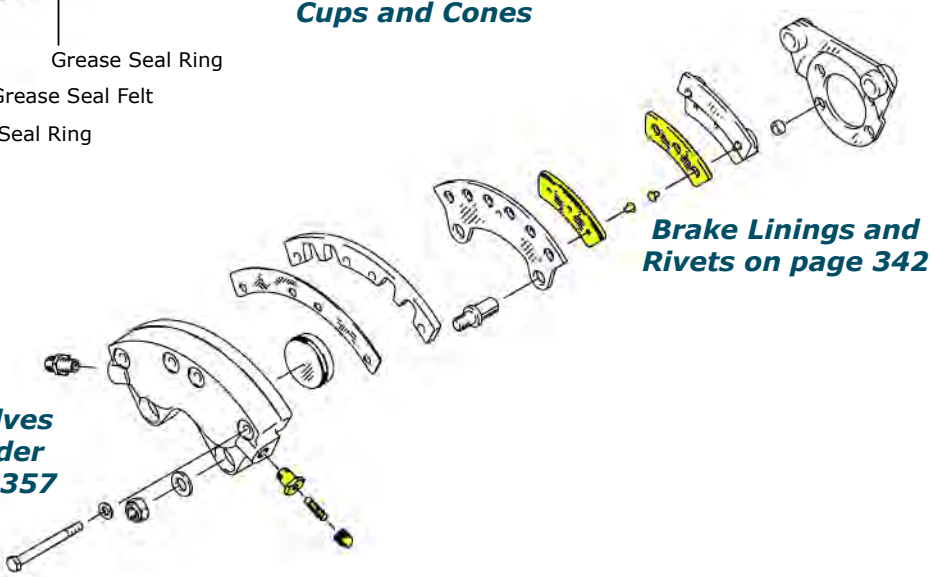


Brake Discs on page 342

Hard to find grease seal rings and plates! See next page



See next page for Timken Wheel Bearing Cups and Cones



Brake Linings and Rivets on page 342

Brake Bleeder Valves and Master Cylinder Seal Kits on page 357

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Wheel Grease Seal Kits for Cessna Aircraft

Finally a low cost alternative! FAA-PMA approved for Cessna aircraft with Cleveland and McCauley wheels
Convenient Kits now available

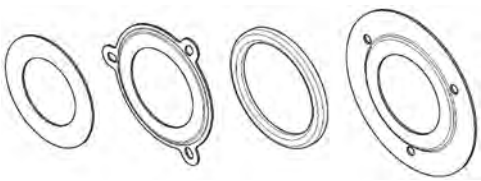
- Each kit contains everything required to service one wheel: grease seal rings, plates, snap rings and felts; even screws and washers when required
- We have done the research so you don't have to!
- Hard to find parts in stock
- Save $$$

FAA-PMA Approved!

Approval for Mooney and Beechcraft coming soon!



Fig A Flat Ring | **Fig B** Plate | **Fig C** Cupped Ring | **Fig D** Plate



Grease Seal Rings and Plates				
P/N	ID	OD	Thickness	Fig
MC153-00300	1-33/64	2-1/2	0.034	A
MC153-00400	1-45/64	2-5/8	1/32	A
MC153-00500	1-3/4	2-3/4[1]	5/32	B
MC153-00800	1-53/64	2-23/64	1/32	A
MC153-01000	2-1/16	2-3/4[1]	1/8	B
MC153-01500	2-1/16	2-5/8	13/64	C
MC153-30013	1-11/16	2-39/64	1/32	A
MC153-30014	2-1/16	2-5/8	11/64	C
MC153-30015	1-17/32	2-35/64	1/32	A
MC156-00100	1-3/4	3-22/32	1/8	D

[1] OD measurement **does not** include mounting tabs

Grease Seal Felt			
P/N	ID	OD	Thickness
MC154-01400	1-3/4	2-5/8	1/8
MC154-00300	1-5/8	2-5/8	1/8
MC154-00600	1-3/4	2-13/32	1/8
MC154-00900	2-1/8	2-7/16	1/8
MC154-01300	2-1/8	2-1/2	3/16
MC154-30010	2-1/8	2-17/32	1/8
Snap Ring			
MC155-00100	9/64	2-3/4	1/32
MC155-00200	9/64	2-1/2	0.025
MC155-11800	5/32	2-1/2	1/32
MC155-11900	5/32	2-3/4	1/32

Dimensions are approx. and for identification only. Dimensions are in inches.

Bearing Cups		
P/N	OD	Width
07196-20629	1.9687	0.3750
07204-20629	2.0470	0.5000
08231-20629	2.3125	0.4219
13830-20629	2.5000	0.3750
13836-20629	2.5625	0.3750
18337-20629	3.3750	0.5000
19268-20629	2.6250	0.4688
39412-20629	4.1250	0.6250
A4138-20629	1.3775	0.3437
L217813-20629	5.0000	0.7500
LL217810-20629	4.7812	0.4375
LM29710-20629	2.5625	0.5500
LM67010-20629	2.3280	0.4650
LM501310-20629	73.431	0.5800

Bearing Cones		
P/N	Bore	Inner Ring Width
07100-20629	1.0000	0.5614
08125-20629	1.2500	0.5937
13889-20629	1.5000	0.4688
18200-20629	2.0000	0.7190
19150-20629	1.5000	0.6504
39250-20629	2.5000	0.8661
A4050-20629	0.5000	0.4326
L217849-20629	3.5000	0.5938
LM29749-20629	1.5000	0.7200
LM67048-20629	1.2500	0.6600
LM501349-20629	41.275	0.7800

Wheel Bearing Cups and Cones

FAA-PMA approved Timken wheel bearings for Goodyear, Cleveland, and McCauley wheels.

- Class 2 aviation grade bearings (Timken designates these with a -20629 suffix)
- When landing, the wheel bearings must go from Zero RPM to 1384 RPM, or more, instantaneously. Automotive bearings aren't designed for this type of service
- Tighter tolerance and higher quality control than Class 4 automotive bearings
- Save $$$



Don't be tempted to buy cheap automotive bearings!
Since Timken uses the same part number for both automotive and aviation versions of these bearings, many people mistakenly use lower quality automotive bearings in their airplane. It is critical that FAA-PMA Class 2 version be used for aircraft applications for two reasons:

1. They are a higher class bearing with tighter tolerance and have been subjected to more stringent quality control procedures. Due to the smaller diameter of aircraft wheels, at a given ground speed the bearings rotate at a much higher RPM and require the tighter tolerances to prevent premature failure. Example: At a 70 mph touchdown speed (equivalent to highway speed of a car), a typical 17-inch diameter airplane tire is rotating at 1384 RPM, whereas a typical 27 inch car tire is only rotating at 871 RPM. So even though the aircraft bearing is only subject to intermittent use, some of the performance demands are much higher than a typical automotive application.

2. It is a violation of FAA regulations to use non-approved automotive bearings on certified aircraft.

See the table on the next page to find the correct bearing for your wheels

Wheel to Seal Kit and Bearing Cross Reference for Cessna Aircraft					
Wheel Mfr	**Mfr. P/N**	**Cessna Wheel P/N**	**Kit P/N**	**Bearing Cone P/N**	**Bearing Cup P/N**
CLEVELAND	040-07502	C163001-0301	WH-KT-2	13889	13836
CLEVELAND	40-101	C163001-0601	WH-KT-22	LM29749-20629	LM29710
CLEVELAND	40-101A		WH-KT-22	LM29749-20629	LM29710
CLEVELAND	40-113	C163001-0104	WH-KT-2	13889	13836
CLEVELAND	40-12	0441179-2	WH-KT-15	08125	08231
CLEVELAND	40-135A	9910393-2, 9910393-6	WH-KT-28	LM29749-20629 & 07100 [1]	LM29710 & 07204 [1]
CLEVELAND	40-138A		WH-KT-17	LM29749-20629 & 07100 [1]	LM29710 & 07204 [1]
CLEVELAND	40-140A	9910194-8	WH-KT-39	13889	13836
CLEVELAND	40-142	C163001-0701	WH-KT-2	13889	13836
CLEVELAND	40-177A	C163001-0901	WH-KT-42	13889	13836
CLEVELAND	40-179	040-17900	WH-KT-42	LM29749-20629	LM29710
CLEVELAND	40-18	0441179-14	WH-KT-34	08125	08231
CLEVELAND	40-19	0441156-13	WH-KT-15	08125	08231
CLEVELAND	40-20	0441156-14	WH-KT-34	08125	08231
CLEVELAND	40-21	0441156-15	WH-KT-11	13889	13836
CLEVELAND	40-32	0741026-3	WH-KT-8	13889	13836
CLEVELAND	40-35	0743001-4	WH-KT-34	08125	08231
CLEVELAND	40-40A	5041016-3	WH-KT-28	LM29749-20629 & 07100 [1]	LM29710 & 07196 [1]
CLEVELAND	40-40D	5041016-5	WH-KT-28	LM29749-20629 & 07100 [1]	LM29710 & 07204 [1]
CLEVELAND	40-55	0441156-16	WH-KT-38	13889	13836
CLEVELAND	40-57	0441156-17	WH-KT-8	13889	13836
CLEVELAND	40-57A		WH-KT-11		
CLEVELAND	40-66	0441156-18	WH-KT-8	13889	13836
CLEVELAND	40-67	0441156-19	WH-KT-11	13889	13836
CLEVELAND	40-68	0441156-20	WH-KT-34	08125	08231
CLEVELAND	40-73	1241156-11	WH-KT-39		
CLEVELAND	40-75	1241156-10	WH-KT-2	13889	13836
CLEVELAND	40-75B	040-07502, 1241156-10, C163001-0301	WH-KT-2	13889	13836
CLEVELAND	40-75D	C163001-0302	WH-KT-2	13889	13836
CLEVELAND	40-75T	040-07518-1	WH-KT-2	13889	13836
CLEVELAND	40-76	1241156-11	WH-KT-39	13889	13836
CLEVELAND	40-76A	1241156-11, 1241156-43	WH-KT-39	13889	13836
CLEVELAND	40-76B	0441156-16	WH-KT-42	13889	13836
CLEVELAND	40-77	1241156-12, 0441156-14, 0441156-20, 0441179-14, 0743001-4	WH-KT-34	08125	08231
CLEVELAND	40-78	1241156-13	WH-KT-34	08125	08231
CLEVELAND	40-79	1241156-14	WH-KT-2	13889	13836
CLEVELAND	40-79A	1241156-14	WH-KT-2	13889	13836
CLEVELAND	40-96E	C163001-0401	WH-KT-2	13889	13836
CLEVELAND	40-97	C163001-0102	WH-KT-2	13889	13836
CLEVELAND	40-97A	C163001-0102, C163001-0103	WH-KT-2	13889	13836
CLEVELAND	40-98A	C163001-0501	WH-KT-2	13889	13836
CLEVELAND	40-98H	C163001-0801	WH-KT-2	13889	13836
CLEVELAND	40-127, 40-137, 40-174			18200	18337
CLEVELAND	40-211, 40-279, 40-279A			39250	39412
GOODYEAR	9532522	0541183-9		13889	13830
GOODYEAR	9532673	0541160-13		13889	13830
GOODYEAR	511960S	0441016-1		13889	13830
GOODYEAR	95-3472	0441016-1		13889	13830
MCCAULEY	C30480	C163003-0401	WH-KT-35	LM67048	LM67010
MCCAULEY	D30065	C163002-0101		LM29749-20629	LM29710
MCCAULEY	D30256	C163003-0101		LM29749-20629	LM29710
MCCAULEY	D30291-1	C163004-0101	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30291-2	C163004-0102	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30291-3	C163004-0103	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30291-6	C163004-0104	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30500	C163002-0201, C163003-0201, C163005-0201	WH-KT-35	LM67048	LM67010
MCCAULEY	D30580	C163003-0102	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30660-1	C163002-0101, C163003-0101, C163005-0101, C163006-0101	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30660-2	C163006-0102	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30660-3	C163006-0103	WH-KT-5	LM29749-20629	LM29710
MCCAULEY	D30665	9910194-1, C163002-0301, C163003-0301, C163003-0302, C163006-0201	WH-KT-47	LM29749-20629	LM29710
		95-3472		13889	13830
		3244		A4050	A4138

Note:
For FAA-PMA approved aircraft model eligibility, see www.mcfarlaneaviation.com
[1] Cone P/N LM29749-20629 and Cup P/N LM29710 are used on the outboard of the wheel and Cone P/N 07100 and Cup P/N 07196 or P/N 07204 are used on the inboard of the wheel.

Wheel Grease Seal Kit Components

For Cessna and Piper aircraft
Eligibility on the following pages

McFarlane Wheel Seal Kit Components			
Kit P/N	**Qty**	**Part Number**	**Description**
WH-KT-1	1	MC154-00200	Felt, Grease Seal
	1	MC154-02800	Felt, Grease Seal
	4	MC153-00200	Ring Grease Seal, Flat
	2	MC155-00200	Ring, Snap
WH-KT-2	1	MC154-00300	Felt, Grease Seal
	1	MC154-01300	Felt, Grease Seal
	1	MC153-00300	Ring Grease Seal, Flat
	2	MC153-00400	Ring Grease Seal, Flat
	1	MC153-01500	Ring Grease Seal, Cupped
	2	MC155-00100	Ring, Snap
WH-KT-5	1	MC154-00300	Felt, Grease Seal
	1	MC154-30010	Felt, Grease Seal
	2	MC153-30013	Ring Grease Seal, Flat
	1	MC153-30014	Ring Grease Seal, Cupped
	1	MC153-30015	Ring Grease Seal, Flat
	2	MC155-11900	Ring, Snap
WH-KT-7	1	MC154-00300	Felt, Grease Seal
	2	MC153-00400	Ring Grease Seal, Flat
	2	MC155-00100	Ring, Snap
	1	MC155-00300	Ring, Snap
WH-KT-8	1	MC154-00400	Felt, Grease Seal
	1	MC153-00500	Plate, Grease Seal
	1	MC156-00100	Plate, Grease Seal
	6	MS35265-45	Screw, Drilled
	6	MS35333-38	Lock Washer
WH-KT-9	1	MC154-00400	Felt, Grease Seal
	1	MC154-00500	Felt, Grease Seal
	4	MC153-00500	Ring Grease Seal, Bolted
	6	MS35265-45	Screw, Drilled
	6	MS35333-38	Lock Washer
WH-KT-11	1	MC154-00400	Felt, Grease Seal
	1	MC154-00900	Felt, Grease Seal
	1	MC153-00300	Ring Grease Seal, Flat
	1	MC153-00500	Plate, Grease Seal
	1	MC153-01000	Plate, Grease Seal
	1	MC156-00100	Plate, Grease Seal
	6	MS35265-45	Screw, Drilled
	6	MS35333-38	Lock Washer
WH-KT-12	1	MC154-00400	Felt, Grease Seal
	2	MC153-00500	Ring Grease Seal, Bolted
	6	MS35265-45	Screw, Drilled
	6	MS35333-38	Lock Washer
WH-KT-15	1	MC154-00600	Felt, Grease Seal
	2	MC153-00800	Ring Grease Seal, Flat
	2	MC155-00200	Ring, Snap
WH-KT-17	1	MC154-00800	Felt, Grease Seal
	2	MC153-00900	Ring Grease Seal, Flat
	1	MC155-00100	Ring, Snap
	1	MC155-00600	Ring, Snap
WH-KT-20	1	MC154-01300	Felt, Grease Seal
	1	MC154-01400	Felt, Grease Seal
	1	MC153-00300	Ring Grease Seal, Flat
	2	MC153-00900	Ring Grease Seal, Flat
	1	MC153-01500	Ring Grease Seal, Drawn Cup
	2	MC155-00100	Ring, Snap
WH-KT-21	1	MC154-01300	Felt, Grease Seal
	1	MC154-01600	Felt, Grease Seal
	1	MC153-00300	Ring Grease Seal, Flat
	1	MC153-01500	Ring Grease Seal, Drawn Cup
	2	MC153-01600	Ring Grease Seal, Flat
	2	MC155-00100	Ring, Snap

Continued on the next column

McFarlane Wheel Seal Kit Components			
Kit P/N	**Qty**	**Part Number**	**Description**
WH-KT-22	1	MC154-01400	Felt, Grease Seal
	2	MC153-00900	Ring Grease Seal, Flat
	2	MC155-00200	Ring, Snap
WH-KT-24	1	MC154-01600	Felt, Grease Seal
	2	MC153-01600	Ring Grease Seal, Flat
	2	MC155-00100	Ring, Snap
WH-KT-26	1	MC154-02600	Felt, Grease Seal
	2	MC153-01900	Ring Grease Seal, Flat
	2	MC155-04400	Ring, Snap
WH-KT-28	1	MC154-03000	Molded Seal
	1	MC155-00100	Ring, Snap
	1	MC155-00600	Ring, Snap
WH-KT-32	2	MC154-00300	Felt, Grease Seal
	4	MC153-00400	Ring Grease Seal, Flat
	2	MC155-00100	Ring, Snap
WH-KT-33	2	MC154-00400	Felt, Grease Seal
	4	MC153-00500	Ring Grease Seal, Bolted
	6	MS35265-45	Screw, Drilled
	6	MS35333-38	Lock Washer
WH-KT-34	2	MC154-00600	Felt, Grease Seal
	4	MC153-00800	Ring Grease Seal, Flat
	2	MC155-00200	Ring, Snap
WH-KT-35	2	MC154-00600	Felt, Grease Seal
	4	MC153-00800	Ring Grease Seal, Flat
	2	MC155-11800	Ring, Snap
WH-KT-38	2	MC154-00900	Felt, Grease Seal
	2	MC153-00300	Grease Seal Plate
	2	MC153-01000	Plate, Grease Seal
	6	MS35265-45	Screw, Drilled
	6	MS35333-38	Lock Washer
WH-KT-39	2	MC154-01300	Felt, Grease Seal
	2	MC153-00300	Ring Grease Seal, Flat
	2	MC153-01500	Ring Grease Seal, Cupped
	2	MC155-00100	Ring, Snap
WH-KT-42	2	MC154-03000	Molded Seal
	2	MC155-00100	Ring, Snap
WH-KT-47	2	MC154-30010	Felt, Grease Seal
	2	MC153-30014	Ring Grease Seal, Cupped
	2	MC153-30015	Ring Grease Seal, Flat
	2	MC155-11900	Ring, Snap
WH-KT-49	1	MC154-03400	Molded Seal
	2	MC155-04400	Ring, Snap
WH-KT-52	2	MC154-01400	Felt, Grease Seal
	4	MC153-00900	Ring Grease Seal, Flat
	2	MC155-00100	Ring, Snap

Coming Soon! FAA-PMA Beechcraft & Mooney Grease Seal Felts, Retainer Plates, and Retainers!

Please check our website for progress on these items.

FAA-PMA Approved! Wheel Seals and Kits for Piper Aircraft

Finally a low cost alternative! Convenient Kits now available:

- Each kit contains everything required to service one wheel: grease seal rings, plates, snap rings and felts; even screws and washers when required
- We have done the research so you don't have to!
- Hard to find parts in stock
- Save $$$





Model	S/N	Equipped w/Wheel	Location	Kit P/N
AE-1, HE-1, J3 (Converted TG-8 Glider) J-3, J3C-40, J3C-50, J3C-50S, J3C-65 (Army L-4,L-4A,B,H,J, Navy NE-1,2), J3C-65S, J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D), J3F-65S, J3L, J3L-65 (Army L-4C), J3L-65S, J3L-S, J3P	All	40-60	Main	WH-KT-1
		40-84	Main	WH-KT-2
		40-84B	Main	WH-KT-21
J4, J4A, J4A-S, J4B, J4E (Army L-4E), J4F, J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C	All	40-60	Main	WH-KT-1
PA-11, PA-11S	All	40-60	Main	WH-KT-1
		40-84	Main	WH-KT-2
		40-84B	Main	WH-KT-21
PA-12, PA-12S, PA-14, PA-15, PA-16, PA-16S, PA-17	All	40-60	Main	WH-KT-1
PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A),PA-18 "150", PA-18A, PA-18A "135", PA-18A "150"	All	40-60 [1]	Main	WH-KT-1
		40-84	Main	WH-KT-2
		40-84B	Main	WH-KT-21
PA-20, PA-20 "115",PA-20 "135"	All	40-60	Main	WH-KT-1
		40-84	Main	WH-KT-2
		40-84B	Main	WH-KT-21
PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160	All	38501 (40-8)	Aux	WH-KT-9
		40-76B	Aux	WH-KT-42
		3040 (40-6), 40-28	Main	WH-KT-12
		40-84	Main	WH-KT-2
		40-84B	Main	WH-KT-21
PA-23, PA-23-160, PA-23-235, PA-E23-250	All	38501 (40-8)	Aux	WH-KT-9
		40-76B	Aux	WH-KT-42
		3080A (40-3), 3080B (40-4), 3080D (40-116) 40-131	Main	WH-KT-7
PA-24, PA-24-250, PA-24-260, PA-24-400	All	38501 (40-8)	Aux	WH-KT-9
		40-76B	Aux	WH-KT-42
		3070 (40-5), 40-58	Main	WH-KT-33
		40-84, 40-90	Main	WH-KT-2
		40-84B	Main	WH-KT-21
PA-25, PA-25-235, PA-25-260	All	3070 (40-5)	Main	WH-KT-33
		40-61	Main	WH-KT-12
		40-84A	Main	WH-KT-32
PA-28-140, PA-28-150, PA-28-160, PA-28-180	28-20002 and on	38501 (40-8)	Aux	WH-KT-9
		40-76B, 40-76F	Aux	WH-KT-42
		D-30625	Aux	WH-KT-47
		40-28	Main	WH-KT-12
		40-86, 40-86B	Main	WH-KT-32
		40-86F	Main	WH-KT-42
PA-28-151, PA-28-161 [3], PA-28-181, PA-28-201T	All	40-56, 40-56B, 40-76F [2]	Aux	WH-KT-42
		40-77, 40-77B	Aux	WH-KT-34
		D-30500	Aux	WH-KT-35
		D-30625, D-30665	Aux	WH-KT-47
		40-86B	Main	WH-KT-32
		40-86F	Main	WH-KT-42
PA-28-235	28-10003 and on	38501 (40-8)	Aux	WH-KT-9
		D-30625	Aux	WH-KT-47
		40-76B, 40-76F	Aux	WH-KT-42
		40-58	Main	WH-KT-33
		40-86, 40-86B	Main	WH-KT-32
		40-86F	Main	WH-KT-42

Note:
[1] Wheel 40-60 eligible for SN 18-3781 thru 8309025
[2] Eligible for PA-28-181 all serials
[3] Eligible for S/Ns 2816001 thru 2816119, 2841001 thru 2841365 and 2842001 thru 2842999
[4] 40-140 Wheel, Kit WH-KT-42 contains a molded seal
[5] 40-140 Wheel, Kit WH-KT-52 contains a felt seal

Eligibility continued on next page

FAA-PMA Approved! Wheel Seals and Kits for Piper Aircraft continued from previous page

NEW

Model	Serial Range	Equipped w/Wheel	Location	Kit P/N
PA-28-236	2811001 thru 2811050, 28-7911001 thru 28-8611008	40-56	Aux	WH-KT-42
		D-30665	Aux	WH-KT-47
		40-86B	Main	WH-KT-32
		40-86F	Main	WH-KT-42
		40-90A	Main	WH-KT-2
PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T	All	40-77, 40-77A, 40-77B	Aux	WH-KT-34
		D-30500	Aux	WH-KT-35
		40-84	Main	WH-KT-2
		40-84B	Main	WH-KT-21
		40-86, 40-86B	Main	WH-KT-32
		40-86F	Main	WH-KT-42
PA-30	All	38501 (40-8)	Aux	WH-KT-9
		40-76B	Aux	WH-KT-42
		40-34	Main	WH-KT-32
		40-90	Main	WH-KT-2
PA-31, PA-31-300, PA-31-325, PA-31-350 (T1020), PA-31-350, PA-31P, PA-31P-350, PA-31T, PA-31T1, PA-31T2, PA-31T3 (T1040)	All	40-76B	Aux	WH-KT-42
		40-140	Aux	WH-KT-42 [4] WH-KT-52 [5]
		40-102, 40-102A	Main	WH-KT-21
		40-130, 40-162	Main	WH-KT-24
		40-141, 40-106, 40-106A, 40-167, 40-167A	Main	WH-KT-26
PA-32-260, PA-32-300, PA-34-200, PA-34-200T, PA-34-220T	All	38501 (40-8)	Aux	WH-KT-9
		40-56 ,40-56B, 40-76B, 40-76F	Aux	WH-KT-42
		D-30665, D-30625	Aux	WH-KT-47
		40-90, 40-90A, 40-120	Main	WH-KT-2
PA-36-285, PA-36-300, PA-36-375	All	40-101	Main	WH-KT-22
PA-38-112	All	40-56	Aux	WH-KT-42
		40-59D	Main	WH-KT-42
		40-78B	Main	WH-KT-34
	38-78A0001 thru 38-80A0198	40-77, 40-77B, 40-77C	Aux	WH-KT-34
		D-30500	Aux	WH-KT-35
PA-39	All	40-90	Main	WH-KT-2
	39-1 thru 39-148	38501 (40-8)	Aux	WH-KT-9
PA-42, PA-42-1000	All	40-140	Aux	WH-KT-42 [4] WH-KT-52 [5]
		40-166	Main	WH-KT-26
		40-176	Main	WH-KT-49
PA-42-720, PA-42-720R	All	40-140	Aux	WH-KT-42 [4] WH-KT-52 [5]
		40-166	Main	WH-KT-26
PA-44-180, PA-44-180T	All	40-77, 40-77B	Aux	WH-KT-34
		D-30500	Aux	WH-KT-35
		40-90A, 40-120, 40-120C	Main	WH-KT-2
PA-46-310P, PA-46-350P (w/ G1000), (w/o G1000)	All	40-77, 40-77B	Aux	WH-KT-34
		D-30500	Aux	WH-KT-35
		40-120C	Main	WH-KT-2
PA-46-500TP (w/ G1000), (w/o G1000)	All	40-77G	Aux	WH-KT-34
		40-142	Main	WH-KT-2
PA-46R-350T, PA-46R-350T (w/ G1000), (w/o G1000)	All	40-77, 40-77B	Aux	WH-KT-34
		D-30500	Aux	WH-KT-35
		40-120C	Main	WH-KT-2
PA-60-600 (or Ted Smith Aerostar 600), PA-60-601 (or Ted Smith Aerostar 601), PA-60-601P (or Ted Smith Aerostar 601P), PA-60-602P (or Ted Smith Aerostar 602P)	All	40-76B, 40-76F	Aux	WH-KT-42
		40-124	Main	WH-KT-20

Note:
[1] Wheel 40-60 eligible for SN 18-3781 thru 8309025
[2] Eligible for PA-28-181 all serials
[3] Eligible for S/Ns 2816001 thru 2816119, 2841001 thru 2841365 and 2842001 thru 2842999
[4] 40-140 Wheel, Kit WH-KT-42 contains a molded seal
[5] 40-140 Wheel, Kit WH-KT-52 contains a felt seal

APS *BlackSteel*® Brake Discs and Linings

Improved braking performance with superior rust pit resistance

APS is a leading manufacturer of FAA-PMA replacement brake components. Their proprietary ***BlackSteel*** brake discs and linings are designed to provide optimal braking performance and strength with longer service life.

Installation Tip:
One of the most important factors in disc and lining performance and safety margins is proper break-in. For break-in procedures go to: www.mcfarlaneaviation.com/pdfDocuments/APSBreak-InProcedures.pdf



A truly superior product.
Don't buy yesterday's technology!

APS *BlackSteel*® Brake Discs

State-of-the-art CNC machined from a one-piece forging

The high quality APS ***BlackSteel*** brake discs are CNC machined from one piece forgings, eliminating weld failures. When the metal is forged, it creates a directional grain flow that follows the contour of the disc. This allows for a much stronger disc that has a reduced risk of the cracking, distortion and catastrophic failures associated with inferior welded designs.

Proprietary heat treatment provides strength and corrosion resistance

BlackSteel discs are put through a proprietary heat treating process that strengthens the steel by bonding the carbon, oxygen, and nitrogen in the top layer of the metal. The process is not a coating, but a transformation of the top layer of the metal, providing corrosion resistance. The heat treatment gives the steel its black appearance and provides the surface with a high resistance to the corrosion and oxidation associated with the extreme thermal cycling experienced in aircraft braking systems. This makes it an excellent choice for agricultural aircraft that work in a harsh, chemical environment, as well as for anyone who leaves their aircraft outside most of the time.

The reduction of corrosion, pitting, rusting and longer service life result in enhanced safety, durability and value, while providing optimum braking performance and strength. APS discs can be used with APS lining or other PMA or OEM lining.



P/N APS164-02706



P/N APS164-00300



P/N APS164-03006

APS Brake Linings

Superior stopping power

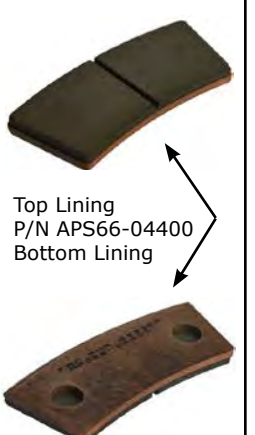
Two types of brake linings are available: semi-metallic/organic (abrasive) and metallic (adherent). The part number of the brake assembly as determined by the OEM dictates which type of lining is to be used. APS linings can be used with APS discs or other PMA or OEM discs.

Semi-Metallic Brake Linings

The semi-metallic linings are made with Kevlar fibers integrated into the material, providing the greatest stopping power and long lining life. The optimal operating temperature of the semi-metallic linings is 600-900 deg F.

Metallic Brake Linings

APS metallic brake linings are constructed from an innovative design and durable materials, providing longer wear and superior stopping power for greater safety. The main ingredient in the metallic linings is iron. In an adherent system, a thin layer of lining material transfers and adheres to the disc during break-in. The optimal operating temperature range of the metallic linings is 950-1200 deg F.





P/N APS66-10900



P/N APS66-10800



P/N APS66-10600



P/N APS66-02200

APS Lining Retaining Rivets and Pins

Lining retaining pins are used on various metallic brake linings and rivets are used on various organic brake linings. Retaining pins are sold individually and rivets are sold in packages of 25.

Rivets and Pins			
Part Number	**Description**	**Head Diameter**	**Shank Diameter**
APS105-00200	Rivet	5/16"	5/32"
APS105-06700	Rivet	5/16"	3/16"
APS177-00300	Pin	5/16"	5/32"
APS177-00400	Pin	5/16"	3/16"
APS177-01600	Pin	3/8"	3/16"



P/N APS105-00200



P/N APS177-00300

See the following pages for eligibility

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

APS *BlackSteel*® Brake Discs, Linings, and Rivets

Brake Disc, Lining and Rivet eligibility for aircraft with original wheel and brake assemblies
Note: The wheel and brake assemblies on many aircraft have been changed. Verify the wheel and brake assembly part numbers on your aircraft to ensure proper selection.

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Aer Res							
J-2	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Aerofab							
LA-250 (6-Place) Renegade	All	40-74B	30-51B	APS164-00700	APS66-10600	4	APS105-00200
LA-4	246 and up[2]	40-113X	30-75X	APS164-04000	APS66-10500	2	APS105-00200
		40-74 or 40-74B	30-51 or 30-51B	APS164-00700	APS66-10600	4	APS105-00200
		40-74A	30-51	APS164-04700	APS66-10600	4	APS105-00200
Aerospatiale/Socata							
100,110,125,150,180 Series 110ST Calopin		40-97D	30-63J	APS164-02601	APS66-10500	2	APS105-00200
160ST Gamement, 180T Gairien, 180GT Gailaard	All	40-97D	30-63J	APS164-02601	APS66-10500	2	APS105-00200
220,236 Series, 235G Guerrier, 235GT Gabrier, 235CA Gaucho, TB20, 21 Trinidad	All	40-84	30-41B	APS164-01900	APS66-10600	4	APS105-00200
TB30 Epsilon	All	40-90B	30-23B	APS164-02201	APS66-06500	2	APS177-00300
TB9 Tampico, TB10 Tobago, TB200	All	40-97E	30-63J	APS164-02601	APS66-10500	2	APS105-00200
Aero Commander							
112,112A	All	40-113A	30-79	APS164-04300	APS66-10500	2	APS105-00200
112B,112TC, 112TCA,114, 114A,B	All	40-75H	30-52H	APS164-01501	APS66-10500	4	APS105-00200
Air Tractor							
AT-300,301,302	All	40-101	30-67X	APS164-03006	APS66-10800	4	APS105-00200
			30-89		APS66-10800	6	APS105-00200
AT-400	All	40-133	30-98C	APS164-05806	APS66-10800	12	APS105-00200
AT-400A	All	40-101	30-67X	APS164-03006	APS66-10800	4	APS105-00200
			30-89		APS66-10800	6	APS105-00200
AT-401,401A	All	40-234	30-184	APS164-05606	APS66-10800	8	APS105-00200
AT-402,501, 502,503,503A	All	40-133	30-98C	APS164-05806	APS66-10800	12	APS105-00200
AT-602	All	40-403	30-231	APS164-22202	APS66-06600	12	APS177-00300
AT-802	All[2]	40-279	30-210	APS164-23001	APS66-13100	16	APS105-06700
		40-279A	30-210A	APS164-23002	APS66-13100	16	APS105-06700
Aircraft Designs							
Stallion		40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
Amercan Champion							
7ACA	All[2]	40-28D	30-19A	APS164-00500	APS66-10600	2	APS105-00200
		40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
7ECA, 7GCAA, 7GCBC, 7KCAB	All	40-28D	30-19A	APS164-00500	APS66-10600	2	APS105-00200
8GCBC Scout	All	40-47	30-32B	APS164-01100	APS66-10600	4	APS105-00200
8KCAB	All	40-28D	30-19A	APS164-00500	APS66-10600	2	APS105-00200
T-250 Aries		40-75G	30-52S	APS164-01501	APS66-10500	4	APS105-00200
Arctic Aircraft							
S1B2 Arctic Tern	001 thru 1021	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
	1022 and up	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
ASTA GAF (Nomad)							
N22B, N22S	All	40-75T	30-52Q	APS164-08300	APS66-10500	4	APS105-00200
N24A	All[2]	40-75T	30-52Q	APS164-08300	APS66-10500	4	APS105-00200
		40-143	30-129	APS164-08200	APS66-06200	4	APS177-00300
Avions Pierre Robin							
140, 160	All	40-97D	30-52T	APS164-03601	APS66-10500	4	APS105-00200
DR400 Series	All	40-97D	30-63E	APS164-02601	APS66-10500	2	APS105-00200
HR100	All[2]	40-97D	30-63D or 30-63E	APS164-02601	APS66-10500	2	APS105-00200
			30-52N	APS164-03601	APS66-10500	4	APS105-00200
HR120	All	40-97D	30-63D or 30-63E	APS164-02601	APS66-10500	2	APS105-00200
HR200	All[2]	40-97D	30-63D or 30-63E	APS164-02601	APS66-10500	2	APS105-00200

Eligibility continued on next page

APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Avions Pierre Robin continued from previous page							
HR200	All[2]	40-97D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
HR210	All	40-97D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
HR400 Series	All	40-97D	30-52T	N/A	APS66-10500	4	APS105-00200
R1000, R2000, R3000 Series	All	40-97D	30-63E	N/A	APS66-10500	2	APS105-00200
R2160	All	40-97A	30-63E	APS164-02601	APS66-10500	2	APS105-00200
Ayres							
S2R-PZL600 Thrush	R35-001 and up	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
S2R-600 Thrush	1939 thru 2529R	40-129	30-94	APS164-05606	APS66-10800	8	APS105-00200
	2530R and up	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
S2R-711 Turbo Thrush	T11-001 and up	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
S2R-800 Thrush	5000R thru 5082R	40-129	30-94	APS164-05806	APS66-10800	8	APS105-00200
	5083R and up	40-133	30-98		APS66-10800	12	APS105-00200
S2RHG-T65 Turbo Thrush	All	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
S2R-R1340, S2R-R1820, S2R-R3S	All	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
S2R-T15 Turbo Thrush	All	40-133	30-98	APS164-05806	APS66-10800	12	APS105-00200
S2R-T34 Turbo Thrush	6000 and up	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
S2R-T41 Turbo Thrush	T41-089 and 090	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
S2R-T65 Turbo Thrush	All	40-133	30-98D	APS164-05806	APS66-10800	12	APS105-00200
Beechcraft							
M19A, B19[1] A23, A23A, A23-19, A23-24, B23, C23[1] A24R, B24R, C24R[1]	MB-461 thru MB-865 All M-1095 thru M-1979 MC-22 thru MC-536	40-113C	30-75B or 30-79A	APS164-04300	APS66-10500	2	APS105-00200
33, A33	All	40-1	30-1	APS164-00900	APS66-11100	2	APS105-00200
B33[1]	CD-388 thru CD-639	40-37	30-24	APS164-00700	APS66-10600	4	APS105-00200
F33A[1]	CE-301 thru CE-634	40-83	30-54	APS164-02505	APS66-10500	4	APS105-00200
	CE635 thru CE-1071	40-83A	30-54C	APS164-02505	APS66-10500	4	APS105-00200
F33C[1]	CJ-125 thru CJ-155	40-83A	30-54C	APS164-02505	APS66-10500	4	APS105-00200
G33[1]	CD-1272 thru CD-1304	40-83	30-54	APS164-02504	APS66-10500	4	APS105-00200
V35B[1]	D-9862 thru D-10403	40-83	30-54A	APS164-02504	APS66-10500	4	APS105-00200
36, A36[1]	E-1 thru E-824	40-83	30-54	APS164-02505	APS66-10500	4	APS105-00200
A36[1]	E-825 thru E-3635	40-83A	30-54, 54A,or 54C	APS164-02505	APS66-10500	4	APS105-00200
A36TC, B36TC	EA-1 thru EA-695	40-83A or 40-83B	30-54A or 30-54C	APS164-02505	APS66-10500	4	APS105-00200
B55	All	40-128D	30-93B	APS164-06106	APS66-09700	6	APS177-00300
	TC-2092 thru TC-2180	40-128	30-93B	APS164-06106	APS66-04400	6	APS177-00300
	TC-2181 thru TC-2456	40-98G	30-66G	APS164-02706	APS66-09700	4	APS177-00300
C55, D55	All	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
E55	All	40-128D	30-93C	APS164-06106	APS66-09700	6	APS177-00300
	TE-768 thru TE-1142	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
	TE-1143 thru TE-1201[2]	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
		40-98G	30-66G	APS164-09700	APS66-09700	4	APS177-00300
56TC, A56TC	All	40-98	30-69A	APS164-02706	APS66-02200	4	APS177-00300
58	All	40-128D	30-93C	APS164-06106	APS66-09700	6	APS177-00300
	TH-1 thru TH-972	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
	TH-973 thru TH-2124	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
		40-98G	30-66G	APS164-02706	APS66-09700	4	APS177-00300
58P[1]	TJ-436 thru TJ-497	40-171	30-145	APS164-20806	APS66-09700	6	APS177-00300
B60	All	40-171	30-145	APS164-20806	APS66-09700	6	APS177-00300
76	All	40-83	30-54B	APS164-02504	APS66-10500	4	APS105-00200
Bellanca							
17-30A, 17-31A, 17-31ATC	All	40-75E	30-52M	APS164-01501	APS66-10500	4	APS105-00200
DW-1	All	40-101	30-89A	APS164-03006	APS66-10800	6	APS105-00200
Burkhart Grob							
G103, G103C Twin II Sailplane	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
G109 Series Power Glider	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Cessna							
120, 140, 140A	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
150A[1],B	15059119 thru 15059700	40-12	30-9	APS164-00400	APS66-10600	2	APS105-00200
150C	All	40-57	30-40	APS164-00400	APS66-10600	2	APS105-00200

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Cessna continued from previous page							
150D,E	All	40-79A	30-40	APS164-01600	APS66-10600	2	APS105-00200
150F,G	All	40-97	30-63	APS164-02601	APS66-10500	2	APS105-00200
150H,J,K	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
150L[1],M[1]	15072004 thru 15074850[2]	D-30063	C-30018	N/A	APS66-10900	2	APS105-00200
		40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	15074851 thru 15077403	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	15077380, 15077402, 15077404 thru 15079113[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D30291-6	C30018 or C30018-4	APS164-30440	APS66-10900	2	APS105-00200
A150K	All	40-97A	30-63A	APS164-02601	APS66-10500		APS105-00200
A150L[1], M[1]	A1500227 thru A1500429[2]	D-30063	C-30018	N/A	APS66-10900	2	APS105-00200
		40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	A1500430 thru A15000641	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
A150M[1]	A15000642 thru A1500717[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D30291-6	C30018 or C30018-4	APS164-30440	APS66-10900	2	APS105-00200
F150F,G	All	40-97	30-63	APS164-02601	APS66-10500	2	APS105-00200
F150H,J	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
F150K,L,M[1]	F1500530 thru F15001332	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
F150M[1]	F15001333 thru F15001418[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D30291-6	C30018-4	APS164-30440	APS66-10900	2	APS105-00200
FA150K,L	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
FRA150L	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
152	All[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D30063	C-30018	N/A	APS66-10900	2	APS105-00200
A152, F152	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
FA152	All[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30660-1	C-30018-5	APS164-30615-4	APS66-10900	2	APS105-00200
		D-30600-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
		D-30580	C-30018-4	APS164-30195	APS66-10900	2	APS105-00200
		D-30291-6	C-30018-4	APS164-30440	APS66-10900	2	APS105-00200
172[1], 172A,B,C	17246421 thru 17249544	40-113	30-75	APS164-04000	APS66-10900	2	APS105-00200
172D,E,F,G,H,I,K	All	40-97A	30-56, 30-63, 30-63A	APS164-02601	APS66-10500	2	APS105-00200
172L,M[1]	17259224 thru 17263458[2]	40-97A	30-56, 30-63,	APS164-02601	APS66-10500	2	APS105-00200
		D-30063	C-30018-2	N/A	APS66-10900	2	APS105-00200
		40-113	30-63A, 30-75A	APS164-04000	APS66-10500	2	APS105-00200
172M[1],N,P,Q,R,S	17263459 and on	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
172RG	All	D-30660-1	C-30018-6, C-30764-5	APS164-30615-4	APS66-10900	2	APS105-00200
F172F,G,H	All	40-97A	30-56, 30-63A	APS164-02601	APS66-10500	2	APS105-00200
F172K	All	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
F172L	F17200805 thru F17200904	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
F172M	F17200905 thru F17201514[2]	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
		D-30260, D30580	C-30018-2	APS164-30195	APS66-10900	2	APS105-00200
F172N[1]	F17201515 thru F17201639	D-30600-1	C-30018-6	N/A	APS66-10900	2	APS105-00200
		40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
F172N[1],P	F17201640 thru F17202254	D-30660-1	C-30018-6, C30764-6	APS164-30615-4	APS66-10900	2	APS105-00200
		40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
F172RG	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
FR172J[1]	FR17200351 thru FR17200590	D-30260	C-30018-2	APS164-30195	APS66-10900	2	APS105-00200
FR172K[1]	FR17200591 thru FR17200620	D-30600-1	C-30018-6	N/A	APS66-10900	2	APS105-00200
	FR17200621 thru FR17200675	D-30660-1	C-30018-6, C30764-6	APS164-30615-4	APS66-10900	2	APS105-00200
R172H[1]	R1720453 thru R1720603	D-30063	C-30018-2	N/A	APS66-10900	2	APS105-00200

Eligibility continued on next page

APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Cessna continued from previous page							
175[1],A,B	17555876 thru 17557119	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
177A,B[1]	17701165 thru 1770 1530	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
177B[1]	17701531 thru 17702123	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
177B[1]	17702124 thru 17702313[2]	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
		D-30580	C-30018-4	APS164-30195	APS66-10900	2	APS105-00200
	17702314 thru 17702522[2]	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
		D-30291-6	C-30018-4	APS164-30440	APS66-10900	2	APS105-00200
	17702523 thru 17702672[2]	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
		D-30660-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
	17702673 thru 17702752[2]	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
		D-30660-1	N/A	APS164-30615-4	APS66-10900	2	APS105-00200
177RG	177RG0001 thru 177RG0592	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	177RG0593 thru 177RG0787[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30580	C-30018-4	APS164-30195	APS66-10900	2	APS105-00200
	177RG0788 thru 177RG1051[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30291-6	C-30018-4	APS164-30440	APS66-10900	2	APS105-00200
	177RG1052 thru 177RG1266[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30660-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
	177RG1267 thru 177RG1366[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30660-1	N/A	APS164-30615-4	APS66-10900	2	APS105-00200
F177RG	F177RG0001 thru F177RG0122[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	F177RG0123 thru F177RG0138[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30580	C-30018-4	APS164-30195	APS66-10900	2	APS105-00200
	F177RG0139 thru F177RG0160[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30291-6	C-30018-4	APS164-30440	APS66-10900	2	APS105-00200
	F177RG0161 thru F177RG0177[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30660-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
180G	All	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
180H[1]	18051775 thru 18051993	40-66	30-21	APS164-00700	APS66-10600	4	APS105-00200
	18052011 thru 18052284	40-75D	30-52D, 30-52N	APS164-03601	APS66-10500	4	APS105-00200
180J[1]	18052285 thru 18052500[2]	D-30063-1	C-30018-1	N/A	APS66-10900	2	APS105-00200
		D30291-3	C30118-4	APS164-30414	APS66-10900	2	APS105-00200
		40-75B	30-52D	APS164-01501	APS66-10500	2	APS105-00200
		40-75D	30-52N	APS164-03601	APS66-10500	2	APS105-00200
180J[1],K[1]	18052501 thru 18052924[2]	40-75B	30-52D	APS164-01501	APS66-10500	2	APS105-00200
		40-75D	30-52N	APS164-03601	APS66-10500	2	APS105-00200
		D30291-3	C30118-4	APS164-30414	APS66-10900	2	APS105-00200
180K[1]	18052925 thru 18053203[2]	40-75B	30-52D	APS164-01501	APS66-10500	2	APS105-00200
		40-75D	30-52N	APS164-03601	APS66-10500	2	APS105-00200
		D30660-2	C30118-5	APS164-30615-2	APS66-10900	2	APS105-00200
182B[1],C,D,E,F,G, H,J,K,L,M,N[1]	18251886 thru 18260445	40-97A	30-63A, 30-56A	APS164-02601	APS66-10500	2	APS105-00200
182N[1]	18260446 thru 18260825	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
182P[1]	18260826 thru 18264295	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	18264296 thru 18265175[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30291-6	C-30018-4	APS164-30440	APS66-10900	2	APS105-00200
182Q[1]	18265176 thru 18265328[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30600-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
	18265329 thru 18265965[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30600-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
		D30660-1	C-30018-5	APS164-30615-4	APS66-10900	2	APS105-00200
	18265966 thru 18267715[2]	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30600-1	C-30018-5	APS164-30615-4	APS66-10900	2	APS105-00200
182R[1]	18267716 thru 18268541	D30660-3	D30118-4	APS164-30615-3	APS66-10900	2	APS105-00200
182S,T, T182T	All	40-75B	30-52E	APS164-01501	APS66-10500	4	APS105-00200
F182P	All	D-30291-6	C-30018-4	APS164-30440	APS66-10900	2	APS105-00200

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Cessna continued from previous page							
F182Q[1]	F18200026 thru F18200064	D-30600-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
F182Q[1]	F18200065 thru F18200169	D-30660-1	C-30018-5	APS164-30615-4	APS66-10900	2	APS105-00200
FR182, R182, TR182, T182	All	D-30660-3	D-30118-3	APS164-30615-3	APS66-10900	4	APS105-00200
185, 185A	All	40-32	30-21	APS164-00700	APS66-10600	4	APS105-00200
185B	All	40-66	30-21	APS164-00700	APS66-10600	4	APS105-00200
185C,D,E	185-0654 thru 185-1149	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
A185E[1]	185-1150 thru 18502090[2]	40-66	30-21	APS164-00700	APS66-10600	4	APS105-00200
		40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
		40-75D	30-52D	APS164-03601	APS66-10500	4	APS105-00200
A185F	All[2]	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
		40-75D	30-52D	APS164-03601	APS66-10500	4	APS105-00200
		D-30291-3	D-30118-5	APS164-30414	APS66-10900	4	APS105-00200
		D-30291-1	D-30118-5	APS164-30388	APS66-10900	4	APS105-00200
		D-30660-2	D-30118-5	APS164-30615-2	APS66-10900	4	APS105-00200
188, 188A, 188B, A188, A188A	188-0001 thru 18801040[2]	40-75B	30-52B	APS164-01501	APS66-10500	4	APS105-00200
		40-101A	30-67	APS164-03106	APS66-10800	4	APS105-00200
A188B[1], T188C	18801041 thru 18803521[2], 18801041T thru T18803521T[2]	40-101	30-67A	APS164-03006	APS66-10800	4	APS105-00200
		40-101A	30-67A	APS164-03106	APS66-10800	4	APS105-00200
		40-98A	30-66A	APS164-02707	APS66-11000	4	APS105-00200
210-5 (205)	All	40-67	30-35	APS164-00700	APS66-10600	4	APS105-00200
210-5A (205A)	All	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
206,U206,A,B,C,D[1]	206-0001 thru U206-1256	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
U206D[1],E	U2061257 thru U20601700[2]	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
		40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
U206F[1]	U20601701 thru U20602199[2]	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
		40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
		D-30291-1	D-30118-6	APS164-30388	APS66-10900	4	APS105-00200
U206F,G	U20602200 thru U20604649[2]	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
		D-30291-1	D-30118-6	APS164-30388	APS66-10900	4	APS105-00200
		D-30660-2	D-30118-6	APS164-30615-2	APS66-10900	4	APS105-00200
	U20604650 thru U20607020[2]	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
		D-30660-2	D-30118-6	APS164-30615-2	APS66-10900	4	APS105-00200
		D-30660-3	D-30118-4	APS164-30615-3	APS66-10900	4	APS105-00200
206H,T206H	All	40-75B	30-52U	APS164-01501	APS66-10500	4	APS105-00200
P206, P206A,B,C,D[1]	P206-0001 thru P206-0566	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
P206D,E[1]	P206-0557 thru P20600647	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
207, 207A, T207, T207A	All[2]	40-75B	30-52F	APS164-01501	APS66-10500	4	APS105-00200
		40-75D	30-52A	APS164-03601	APS66-10500	4	APS105-00200
208, 208A,B	All	40-179	30-163 or 30-182	APS164-22201[8]	APS66-03300[3] APS66-15300[6,7]	8	APS177-00300[7]
210C	21058086 thru 21058220	40-21	30-45	APS164-00900	APS66-11100	2	APS105-00200
210D,E,F,G,H,J,K,L[1]	21058221 thru 21060089[2]	40-75B	30-52 or 30-52V	APS164-01501	APS66-10500	4	APS105-00200
		D-30291-2	D-30118-4	APS164-30398	APS66-10900	4	APS105-00200
210L[1],M,N,R	21060090 thru 21065009[2]	40-75B	30-52 or 30-52V	APS164-01501	APS66-10500	4	APS105-00200
		D-30291-2	D-30118-4	APS164-30398	APS66-10900	4	APS105-00200
		D-30660-3	D-30118-4	APS164-30615-3	APS66-10900	4	APS105-00200
P210N,R	All[2]	40-75B	30-52V	APS164-01501	APS66-10500	4	APS105-00200
		40-142	30-127C	APS164-07800	APS66-06200	4	APS177-00300
T210F,G,H,J	All	40-75 or 40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
303, T303	All[2]	40-142	30-127C	APS164-07800	APS66-06200	4	APS177-00300
		40-98H	30-66F	APS164-08406	APS66-04400	4	APS177-00300
305	All[2]	40-75F	30-52L	APS164-01501	APS66-10500	4	APS105-00200
		40-97E	30-63K	APS164-02601	APS66-10500	2	APS105-00200
310R[1]	310R0501 thru 310R2140[2]	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400
		40-40D	30-28B	APS164-20206	APS66-03300	6	APS177-00400

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APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Cessna continued from previous page							
335	All	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400
336	3360001 thru 3360098	40-67	30-35	APS164-00700	APS66-10600	4	APS105-00200
	3360099 and up	40-75B	30-52	APS164-01501	APS66-10600	4	APS105-00200
337, 337A	All	40-96A	30-61	APS164-02504	APS66-10500	4	APS105-00200
337B[1],C,D	3370526 thru 337-0619	40-96A	31-61A	APS164-02504	66-03600[3]	4	APS105-00200
	3370526 thru 3371193	40-96A	31-61D	APS164-02504	APS66-10500	4	APS105-00200
337E	All	40-98A	30-69B	APS164-02707	APS66-02200	4	APS177-00300
340, 340A[1]	340-0001 thru 340A1200	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400
340A[1]	340A1201 thru 340A1817	40-40D	30-28B	APS164-20206	APS66-03300	6	APS177-00400
401 Series	All	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400
402,A,B[1]	4020001 thru 402C0400	40-135	30-100	APS164-06406	APS66-06600	8	APS177-01600
402B,C[1]	402C0401 thru 402C1020[2]	40-135	30-100	APS164-06406	APS66-06600	8	APS177-01600
		40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
404	All	40-132	30-97	APS164-09100	APS66-06400	8	APS177-01600
411, 411A[1]	All[2]	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400
414	All	McCauley	N/A	N/A	APS66-06600		APS177-01600
414A[1]	414A0001 thru 414A0600[2]	40-135	30-100	APS164-06406	APS66-06600	8	APS177-01600
		40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400
	414A0601 thru 414A1212[2]	40-135	30-100	APS164-06406	APS66-06600	8	APS177-01600
		40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400
		40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
421C[1]	421C0001 thru 421C0910	40-135	30-100	APS164-06406	APS66-06600	8	APS177-01600
	421C1001 thru 421C1807	40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
425	All	40-138 or 40-138A	30-113 or 30-113A	APS164-05500	APS66-06400	8	APS177-01600
Cirrus Design Group							
SR-20	1601 and up	40-75P	30-52AB	APS164-01501	APS66-10500	4	APS105-00200
SR-22	1740 and up	40-406	30-233B	APS164-02504	APS66-06200	4	APS177-00300
Daimler Benz/ M.B.B.							
B.O. 209 Monsun	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Diamond Aircraft							
DA20	All	40-78E	30-9D	APS164-24200	APS66-10600	2	APS105-00200
DA40	All	40-14A	30-239	APS164-24400	APS66-14100	2	APS105-00200
DA42 Twin Star	All	40-75Z	30-52Z	APS164-01501	APS66-10500	4	APS105-00200
Eagle Aircraft							
220, 300 Eagle	All	40-101	30-89A	APS164-03006	APS66-10800	6	APS105-00200
Explorer Aeronautique							
Private Explorer Float	All	40-101	30-67B	APS164-03006	APS66-10800	4	APS105-00200
FFA Flugzeugwerke							
AS202-18A4 Bravo	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
Found Brothers							
100 Centennial	All	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
GAF Australia							
N22B, N22S	All	40-75T	30-52Q	APS164-08300	APS66-10500	4	APS105-00200
N24A	All[2]	40-75T	30-52Q	APS164-08300	APS66-10500	4	APS105-00200
		40-143	30-129	164-08200[4]	APS66-06200	4	APS177-00300
General Aviation (Italy)							
F.20 Pegaso, F.20TP condor	All	40-75G	30-52P	APS164-01501	APS66-10500	4	APS105-00200
F.22 Pinguino	All	40-151	30-164	APS164-08500	APS66-06200	2	APS177-00300
Great Lakes							
2T-1A	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
Grob							
G103, G103C	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
G109, G109B	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Grumman							
AA-1, AA-5	All	40-86A	30-55B	APS164-02000	APS66-10500	2	APS105-00200
AA-1A, AA-1B, AA-5A, AA-5B	All	40-88C	30-56B	APS164-02000	APS66-10500	2	APS105-00200
700	All	40-128C	30-93A	APS164-05006	APS66-02200	6	APS177-00300
450, 600	All	40-101	30-67	APS164-03006	APS66-10800	4	APS105-00200

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Grumman continued from previous page							
G164	All	40-47	30-32C	APS164-01100	APS66-10600	4	APS105-00200
G164A	All	40-101	30-67	APS164-03006	APS66-10800	4	APS105-00200
G164B, G164C, G164D	All	40-133	30-84	APS164-05806	APS66-10800	8	APS105-00200
GA-7	All	40-90	30-23B	APS164-02201	APS66-06500	2	APS177-00300
Helio							
H-250, H-295, H-391, H-395	All[2]	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
		40-75E	30-52A	APS164-01501	APS66-10500	4	APS105-00200
		40-75T	30-52N	APS164-08300	APS66-10500	4	APS105-00200
		40-98A	30-66A	APS164-02707	APS66-10500	4	APS105-00200
Hunting Firecracker A/C							
NDN1T Turbo Firecracker	All	40-120C	30-83A	N/A	APS66-06200	4	APS177-00300
Industria Unidas SA							
A-9B Sparrow, Quail	All	40-99	30-41	APS164-02800	APS66-10600	4	APS105-00200
Marsh Aviation							
G-164C-T Turbo Cat	All	40-133	30-84	APS164-05806	APS66-10800	8	APS105-00200
S2R-T Turbo Thrush	All[2]	40-129 or 40-133	30-94	APS164-05606	APS66-10800	8	APS105-00200
Maule Air							
M4, M5, M6 Series	All	40-97D	30-63E	APS164-02601	APS66-10500	2	APS105-00200
M7, M9 Series	All	40-75D	30-52A or 30-52N	APS164-03601	APS66-10500	4	APS105-00200
Mcculloch							
J-2 Helicopter	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Mooney							
M10 Cadet	All[2]	40-97 or 40-97A	30-63 or 30-63A	APS164-02601	APS66-10500	2	APS105-00200
M20A,B[1]	1401 thru 3466	40-24	30-5	APS164-00900	APS66-11100	N/A	APS105-00200
M20C[1]	670001 thru 690098	40-86	30-56A	APS164-02000	APS66-10500	2	APS105-00200
M20D	All	40-24	30-5	APS164-00900	APS66-11100	N/A	APS105-00200
M20E[1]	101 thru 1308	40-24	30-5	APS164-00900	APS66-11100	N/A	APS105-00200
	670001 thru 700061	40-86	30-56A	APS164-02000	APS66-10500	2	APS105-00200
M20F[1]	660003 thru 700072	40-86	30-56A	APS164-02000	APS66-10500	2	APS105-00200
M20G,J,K	All	40-86	30-56A	APS164-02000	APS66-10500	2	APS105-00200
M20M	All	40-92A	30-65	APS164-02300	APS66-10500	4	APS105-00200
NDN Aircraft							
NDN6 Fieldmaster	All	40-175	30-149	164-21100[4]	APS66-06600	12	APS177-01600
Pacific Aerospace							
FU24-954; FU24A-954	240, 247 and up	40-47	30-32C	APS164-01100	APS66-10600	4	APS105-00200
08-600 Cresco	All	40-101	30-89	APS164-03006	APS66-10800	6	APS105-00200
Partenavia							
P.64B, P.66B	All	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
P.66C-160, P.66T	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
P.68, P.68B, P.68C, P.68C-TC	All	40-142	30-127	APS164-07800	APS66-06200	4	APS177-00300
Partenavia							
Series 300	All	40-163	30-139	APS164-20500	APS66-06200	8	APS177-00300
Performance Aircraft							
Legend	All	40-96E	30-61E	APS164-02504	APS66-10500	4	APS105-00200
Pilatus Britten-Norman							
BN-2 Series	All[2]	40-90F	30-23D	APS164-01506	APS66-06500	2	APS177-00300
		40-90	30-23A	APS164-02201	APS66-06500	2	APS177-00300
		40-90B	30-23C	APS164-02201	APS66-06500	2	APS177-00300
		40-98F	30-66D	APS164-02706	APS66-02200	4	APS177-00300
Pilatus Britten-Norman							
Defender 4000	All	40-128E	30-93E	164-23300[4]	APS66-04400	6	APS177-00300
Piper							
J-3, PA-11, PA-12, PA-14, PA-16	All	40-60	30-60	APS164-06700	APS66-10600	4	APS105-00200
PA-18	All[2]	40-60	30-60	APS164-06700	APS66-10600	4	APS105-00200
		40-84	30-41	APS164-01900	APS66-10600	4	APS105-00200
PA-18-150, PA-18A-150	All	40-60	30-60	APS164-06700	APS66-10600	4	APS105-00200
PA-20	All[2]	40-60	30-60	APS164-06700	APS66-10600	4	APS105-00200
		40-84	30-41	APS164-01900	APS66-10600	4	APS105-00200
PA-22	All	40-84	30-41	APS164-01900	APS66-10600	4	APS105-00200
PA-22-108	All	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
PA-23-150, 160	All	40-3	30-13	159-00200[4]	APS66-10600	4	APS105-00200
PA-23-235	All	40-4	30-8	APS164-00206	APS66-10600	8	APS105-00200

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APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Piper continued from previous page							
PA-E23-250[1]	27-3738 thru 27-7554 and 27-7554139	40-116	30-72	APS164-03206	APS66-06500	4	APS177-00300
	27-7554141 thru 27-7554149, and 27-7554138	40-116 or 40-131	30-96	APS164-05700	APS66-06200	8	APS177-00300
PA-24-180,250,260[1]	24-1 thru 24-3306	40-5	30-12	159-00100[4]	APS66-10600	4	APS105-00200
	24-3307 and on[2]	40-58	30-41	APS164-00900	APS66-10600	4	APS105-00200
		40-84	30-41B	APS164-01900	APS66-10600	4	APS105-00200
PA-25, PA-25-235	25-1 thru 25-1999	40-5	30-12	159-00100[4]	APS66-10600	4	APS105-00200
	25-2000 thru 25-4171	40-61	30-41	APS164-01300	APS66-10600	4	APS105-00200
	25-4172 and on	40-84A	30-41B	APS164-03300	APS66-10600	4	APS105-00200
PA-28-140	28-20002 thru 28-20520	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
	28-20521 thru 28-7725290	40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-150	28-1 thru 28-1760	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
PA-28-151	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-160	28-1761 thru 28-4377	40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-161	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-180[1]	28-1 thru 28-1760	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
	28-1761 thru 28-5869	40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
	28-7105001 thru 28-7505260	40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28R-180	All[2]	40-84	30-41	APS164-01900	APS66-10600	4	APS105-00200
		40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-181	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28R-200[1]	28R-35001 thru 28R-7135109	40-84	30-41	APS164-01900	APS66-10600	4	APS105-00200
	28R-7135110 thru 28R-7635545	40-86 or 40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-201T, PA-28R-201	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28R-201T, PA-28RT-201	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-235	28-7410001 thru 28-7710089	40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-236	All[2]	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
		40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-30	30-2 - 30-845	40-34	30-23	APS164-01000	APS66-06500[5]	2	APS177-00300
	30-846 thru 30-2000	40-90	30-23	APS164-02201	APS66-06200[5]	2	
PA-31-300,310[1]	31-5 thru 31-7300962	40-102	30-68	APS164-03506	APS66-03300	6	APS177-00400
PA-31-325	All	40-102A	30-68A	APS164-04406	APS66-03300	6	APS177-00400
PA-31-350[1]	31-5001 thru 31-8452021	40-102A	30-68A	APS164-04406	APS66-03300	6	APS177-00400
		40-130	30-95A	APS164-07906	APS66-06600	8	APS177-01600
PA-31-350[1] (T-1020)	Heavy Duty Option	40-141	30-123	APS164-07700	APS66-06800	12	APS177-01600
	31-8253001 thru 31-8453021	40-130	30-95A	APS164-07906	APS66-06600	8	APS177-01600
PA-31T1,2,3 (T-1020)	All	40-106	30-106	APS164-03906	APS66-06800	16	APS177-01600
PA-32-260	Heavy Duty Option	40-120	30-63	AOS164-21600	APS66-06200	4	APS177-00300
	32-1 thru 32-7300076	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
	32-7400001 thru 32-7800008[2]	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
		40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-32-300	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
	32-40000 thru 32-7440000	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
	32-7440001 thru 32-7940290[2]	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
		40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-32R-300, PA-32RT-300	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
	All	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-32RT-300T	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
	32R-7887002 thru 32R-7987126	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-32-301, PA-32-301T	Heavy Duty Option	40-120C	30-83A	APS164-21600	APS66-06200	4	APS177-00300
	All	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-34-200	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
	34-7250001 thru 34-7350353	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
	34-7450001 thru 34-7450220[2]	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
		40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200

Eligibility continued on next page

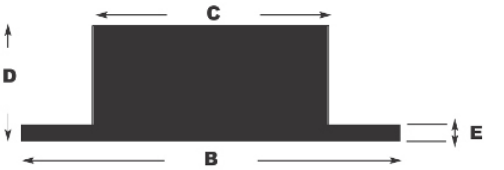
Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

APS *BlackSteel*® Brake Discs, Linings, and Rivets continued from previous page

Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings/ Wheel	Rivet or Pin P/N
Piper continued from previous page							
PA-34-200T	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
	All	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-34-220T	Heavy Duty Option	40-120	30-83A	APS164-21600	APS66-06200	4	APS177-00300
	All	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-36-285, PA-36-300, PA-36-375	All	40-101	30-67B	APS164-03006	APS66-10800	4	APS105-00200
PA-38-112	All 2	40-78B	30-9B	APS164-01700	APS66-10600	2	APS105-00200
		40-59D	30-53A	APS164-06900	APS66-11200	2	APS105-00200
PA-39	All	40-90	30-23	APS164-02201	APS66-06500 3	2	APS177-00300
					APS66-06200 3	2	
PA-44-180	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
	All	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-44-180T	All	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
PA-46-310P, 350P	All	40-120C	30-83A	APS164-21600	APS66-06200	4	APS177-00300
PA-60-600,601,601P,700P	All	40-124	30-88	APS164-05006	APS66-02200	8	APS177-00300
Pitts							
A-1	All	40-60	30-60	APS164-06700	APS66-10600	4	APS105-00200
S-1S,2	All	40-79B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Quest Aircraft Design							
Kodiak 100	All	40-179	30-182	APS164-22201	APS66-03300 6 APS66-15300 6	8	APS177-00300
Revo Inc (formerly Lake)							
LA-4 series, LA-4-200	All			APS164-A1634B			
SAAB-Scania							
MF1-15, MF1-17	All	40-97D	30-63D	APS164-02601	APS66-10500	2	APS105-00200
Sadler Aircraft							
A-22 Lasa, 18-1000PV	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Schleicher							
ASW21, 20, 22, 23 Sailplane	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Shaefer Aircraft mods							
PA-31-350 Comanchero 500	All	40-195	30-158	APS164-21900	APS66-06800	12	APS177-01600
PA-31T Comanchero 750	All	40-106	30-106	APS164-03906	APS66-06800	16	APS177-01600
SIAI Marchetti							
SF.205	All	40-97E	30-63M	APS164-02601	APS66-10500	2	APS105-00200
SF.260, SF.260C	All	40-3	30-13	159-00200 4	APS66-10500	4	APS105-00200
SF.260SW	All	40-90A	30-65A	APS164-02300	APS66-10500	4	APS105-00200
Slingsby Aviation							
T67M	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
Stinson							
108, 108-1,2,3,5	108-1 and up	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
Stol Aircraft							
UC-1	All	40-74	30-51A	APS164-00700	APS66-10600	4	APS105-00200
Taylorcraft							
F-19, F-21, F-21A ,F-22	All	40-86	32-55	APS164-02000	APS66-10500	2	APS105-00200
Univair							
A-2, A-2A	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
Varga							
2150A, 2180	VAC-50 and up	40-97E	30-63E	APS164-02601	APS66-10500	2	APS105-00200
Waco							
Meteor, Minerva, Vela	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
Weatherly Aviation							
201A, 201B, 201C	All	40-101	30-67D	APS164-03006	APS66-10800	4	APS105-00200
620, 620TP	1501 thru 1519	40-101	30-67D	APS164-03006	APS66-10800	4	APS105-00200
620A	1520 thru 1584	40-101	30-67D	APS164-03006	APS66-10800	4	APS105-00200
		40-101	30-89B	APS164-03006	APS66-10800	6	APS105-00200
620B	1550 and up	40-101		APS164-03006	APS66-10800	4	APS105-00200
	1520 and up	40-101 or 40-101E		APS164-03006	APS66-10800	6	APS105-00200
620TP	1520 thru 1584	40-101		APS164-03006	APS66-10800	6	APS105-00200
Wing Aircraft							
D-1	2 and up	40-84		APS164-01900	APS66-10600	4	APS105-00200

1 Partial model eligibility
2 Must verify wheel or brake assembly P/N
3 OEM lining must be used
4 OEM disc must be used
5 Use P/N APS66-06200 on the back plate and P/N APS66-06500 on the pressure plate.
6 If 30-182A calipers installed, use APS66-15300 linings. If 30-182 calipers installed, use either APS66-03300 or APS66-15300 linings in complete sets. **Caution:** Never mix APS66-03300 linings on the same caliper as the APS66-15300's. APS66-15300 linings are .035" thicker than the APS66-03300's.
7 Complete Brake Kit P/N 208-BRK-KT-1 contains: brake discs, brake linings, pins, bleeder seat, bleeder needle, needle cap, and O-ring.

APS *BlackSteel*® Brake Disc Dimensions



Brake Disc Part Number	B OD Wear	C OD Base	D Overall Height	E Thickness Wear Surface	F Number Bolt Holes	OEM Brake Mfg
APS164-00206	7.31	5.52	1.50	0.683	3 (1/4")	Cleveland
APS164-00300	7.50	5.49	2.16	0.231	3 (5/16")	Cleveland
APS164-00400	6.36	4.51	1.71	0.191	3 (1/4")	Cleveland
APS164-00500	7.30	5.52	1.97	0.182	3 (1/4")	Cleveland
APS164-00700	7.30	5.53	2.25	0.372	3 (1/4")	Cleveland
APS164-00806	11.63	9.52	2.42	0.361	9 (1/4")	Cleveland
APS164-00900	7.30	5.52	2.03	0.253	3 (1/4")	Cleveland
APS164-01000	7.50	5.53	2.10	0.370	6 (1/4")	Cleveland
APS164-01100	7.50	5.53	2.17	0.373	6 (5/16")	Cleveland
APS164-01300	7.31	5.53	2.29	0.256	3 (1/4")	Cleveland
APS164-01406	11.63	9.34	2.32	0.362	9 (1/4")	Cleveland
APS164-01501	7.49	5.49	2.34	0.368	3 (5/16")	Cleveland
APS164-01506	7.50	5.48	2.37	0.374	3 (5/16")	Cleveland
APS164-01600	7.31	5.48	2.18	0.184	3 (5/16")	Cleveland
APS164-01700	6.36	4.47	2.06	0.183	3 (1/4")	Cleveland
APS164-01900	7.30	5.49	2.09	0.254	3 (5/16")	Cleveland
APS164-02000	7.49	5.49	2.16	0.228	3 (5/16")	Cleveland
APS164-02201	7.49	5.49	2.25	0.372	3 (5/16")	Cleveland
APS164-02300	7.49	5.49	2.25	0.372	3 (5/16")	Cleveland
APS164-02504	7.49	5.49	2.36	0.478	3 (5/16")	Cleveland
APS164-02505	7.49	5.60	2.47	0.480	3 (5/16")	Cleveland
APS164-02601	7.59	5.50	2.22	0.230	3 (5/16")	Cleveland
APS164-02706	9.62	7.37	2.42	0.366	6 (5/16")	Cleveland
APS164-02707	9.62	7.35	2.53	0.380	6 (21/64")	Cleveland
APS164-02800	7.31	5.53	2.03	0.260	6 (1/4")	Cleveland
APS164-03006	11.62	9.35	2.49	0.304	9 (1/4")	Cleveland
APS164-03106	11.63	9.35	2.50	0.190	9 (1/4")	Cleveland
APS164-03206	7.50	5.20	1.50	0.690	3 (1/4")	Cleveland
APS164-03300	7.313	5.50	2.38	0.257	3 (5/16")	Cleveland
APS164-03506	11.63	9.34	4.22	0.290	9 (1/4")	Cleveland
APS164-03601	7.49	5.49	2.62	0.368	3 (5/16")	Cleveland
APS164-03906	11.81	9.34	2.46	0.645	9 (5/16")	Cleveland
APS164-04000	7.49	5.49	2.18	0.228	3 (1/4")	Cleveland
APS164-04406	11.63	9.36	2.43	0.380	9 (9/32")	Cleveland
APS164-05500	11.853	9.35	2.41	0.525	9 (21/64)	Cleveland
APS164-05806	11.62	9.35	2.72	0.429	9 (5/16")	Cleveland
APS164-06106	9.62	7.49	2.65	0.515	6 (3/8")	Cleveland
APS164-06700	7.35	5.48	2.38	0.253	6 (1/4")	Cleveland
APS164-07200	11.81	8.28	2.66	0.533	8 (23/64")	Cleveland
APS164-07700	11.90	9.35	2.41	0.520	9 (5/16")	Cleveland
APS164-07800	7.50	5.50	2.36	0.484	6 (21/64")	Cleveland
APS164-07906	11.63	9.36	2.58	0.500	9 (1/4")	Cleveland
APS164-08300	7.49	5.49	2.62	0.371	6 (5/16")	Cleveland
APS164-08500	6.38	4.48	2.23	0.371	3 (1/4")	Cleveland
APS164-09100	11.85	9.35	2.53	0.535	9 (21/64")	Cleveland
APS164-20306	11.63	9.34	2.50	0.504	9 (5/16")	Cleveland
APS164-21600	7.50	5.48	2.24	0.431	6 (5/16")	Cleveland
APS164-22000	11.85	8.00	2.55	0.417	6 (3/8")	Cleveland
APS164-22202	11.62	9.34	2.78	0.567	9 (21/64")	Cleveland
APS164-22400	13.90	10.02	3.50	0.430	9 (3/8")	Cleveland
APS164-24200	6.38	4.50	2.16	0.190	3 (1/4")	Cleveland
APS164-24400	7.53	5.48	2.26	0.320	3 (5/16")	Cleveland
APS164-24500	7.50	5.50	2.44	0.371	6 (5/16")	Cleveland
APS164-30007	7.49	5.49	1.97	0.221	6 (1/4")	McCauley
APS164-30195	7.50	5.49	2.07	0.225	6 (5/16")	McCauley
APS164-30388	7.50	5.49	2.34	0.355	6 (5/16")	McCauley
APS164-30398	7.50	5.49	2.10	0.355	6 (5/16")	McCauley
APS164-30414	7.50	5.49	2.16	0.355	6 (5/16")	McCauley
APS164-30440	7.50	5.49	1.97	0.215	6 (5/16")	McCauley
APS164-30615-2	7.50	5.50	1.52	0.215	3 (5/16")	McCauley
APS164-30615-3	7.50	5.50	1.89	0.355	3 (5/16")	McCauley
APS164-30615-4	7.50	5.50	1.66	0.355	3 (5/16")	McCauley

This is not a complete list of all brake discs offered. Please visit www.mcfarlaneaviation.com for additional dimensions.

APS Brake Discs, Linings, and Rivets for Aircraft with Cleveland Conversion Kits Installed

(Includes Experimental Aircraft)

Aircraft Model	Cleveland Kit P/N	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings per Wheel	Rivet or Pin P/N
Aero Commander							
100 - 180 Lark	199-188	40-86A	30-56F	APS164-02000	APS66-10500	2	APS105-00200
American Homebuilts							
STOL	199-105C	40-113X	30-75X	APS164-04000	APS66-10500	2	APS105-00200
Ayres							
S-2R Thrush	199-68A	40-33	30-98A	APS164-05806	APS66-10800	12	APS105-00200
Beechcraft							
A23-19,19A,M19A, B19, 23,A23,A23A,B23,C23,A23-24,A24R	199-125	40-113C	30-75B	APS164-04300	APS66-10500	2	APS105-00200
D18C,S; E18S,E18S-9700, G18S,H18,C45G, TC-45G, RC-45J, TC-45H, 45J, UC-45J, JRB-6	199-127	40-170	30-144B	APS164-20900		8	APS177-01600
	199-141	40-21101	30-170	APS164-22400	APS66-10000	8	APS177-01600
35,A35,B35,C35,D35,E35,F35,G35,35R, 35-33, 35-A33,B33, C33, C33A,E33A,F33,F33A,C,G33, H35,J35,K35,M35,N35,P35,S35,V35, V35A,B, A36	199-49	40-83	30-54	APS164-02504	APS66-10500	4	APS105-00200
35,A35,B35,C35,D35,E35,F35,G35,35R,H35, J35,K35,M35, N35, P35,S35,45 (Ty-34), A45 (T34A), B45,D45 (T-34B),D55,D55A,E55, E55A,95,B95A, D95A, E95, 95-55, A55,B55,B55A,B55B,C55,C55A	199-50	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
50,B50,C50,D50,D50A,B,C,E,E50,F50,G50,H50,J50	199-88	40-134A	30-99	APS164-06306	APS66-06600	8	APS177-00300
D55,D55A,E55,E55A,58,58A, 95, B95,B95A,D95A,E95,95-55, A55, B55,B55A,B55B,C55,C55A	199-38	40-128D	30-93C	APS164-06106	APS66-09700	6	APS177-00300
58P,58TC,60,A60,B60	199-73	40-128	30-93	APS164-06106	APS66-04400	6	APS177-00300
65,A65,70,65-80,A80,B80,88	199-123	40-170B	30-144A	APS164-22900		8	APS177-01600
A90,B90,C90,90A,E90,H90,65-A90-1,2,3,4	199-90	40-170A	30-144	APS164-20900		8	APS177-01600
F90,99,99A,A99A,B99,C99,100,A100,B100,200, 200C,CT,T, A200,A200C,CT, B200,B200C,CT,T	199-110	40-289	30-146	APS164-21000	APS66-09100	2	N/A
Cessna							
120, 140,140A	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
150, A150, F150, FA150, A152, F152, FA152	199-84	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
170,A,B	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
172, F172, FR172, R172	199-84A	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
172, A,B,C,D,E, P172D	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
175,A,B,C	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
177	199-84	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
177RG	199-84	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
180, 180A,B,C,D,E,F	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
180, 180A,B,C,D,E,F,H,J	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
180, 180A,B,C,D,E,F,H,J,K	199-62	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
	199-155	40-75J	30-52Y	APS164-03601	APS66-10500	4	APS105-00200
182, A182J,K,L,N, F182P,Q	199-84	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
182, 182A,B,C,D,E,F,G	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
185, 185A,B,E	199-62	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
	199-155	40-75J	30-52Y	APS164-03601	APS66-10500	4	APS105-00200
185,A,B	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
A185E,F[1]	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
	199-155	40-75J	30-52Y	APS164-03601	APS66-10500	4	APS105-00200
A185F[1]	199-62	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
190, 195, 195A,B	199-61	40-40C	30-28C	APS164-00806	APS66-03300	6	APS177-00400
U206E,F, TU206E,F	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
	199-155	40-75J	30-52Y	APS164-03601	APS66-10500	4	APS105-00200
TU206E,F,G	199-62A	40-75T	30-52N	APS164-08300	APS66-10500	4	APS105-00200
U206E,F, TU206E,F	199-155	40-75J	30-52Y	APS164-03601	APS66-10500	4	APS105-00200
U206E,F, TU206E,F	199-62	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
210,A,B,C,K,L,M, T210,K,L,M,N	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
P210N[3]	199-60A	40-75B	30-52U	APS164-01501	APS66-10500	4	APS105-00200
310,310A,B,C,D,E,F,G,H,I,J,K,L,N,P,Q,R 310J-1, E310H,J, T310P,Q,R	199-64	40-40B	30-1	APS164-01406	APS66-03300	2	APS177-00400
340, 340A	199-76	40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
340, 340A	199-72	N/A	30-100	APS164-06406	APS66-06600	8	APS177-01600
401,401A,B, 402,402A,B	199-76	40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
	199-72	N/A	30-100	APS164-06406	APS66-06600	8	APS177-01600

Eligibility continued on next page

APS Brake Discs, Linings, and Rivets for Aircraft with Cleveland Conversion Kits Installed

Continued from previous page

(Includes Experimental Aircraft)

Aircraft Model	Cleveland Kit P/N	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings per Wheel	Rivet or Pin P/N
Cessna continued from previous page							
402,402A,B,C	199-76	40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
404	199-78	40-132	30-97	APS164-09100	APS66-06400	8	APS177-01600
411,411A, 414	199-72	N/A	30-100	APS164-06406	APS66-06600	8	APS177-01600
414,414A, 421,421A,B,C	199-76	40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
441	199-115	40-169	30-143	APS164-20700	APS066-07300	6	APS177-01600
D.L.F. Holdings							
Tango	199-152	40-151	30-133	164-09900 2	APS66-10500	2	APS105-00200
De Havilland							
Chipmunk DHC-1-21,22,22A, DHC-1B,-2, -S3,-S5	199-79	40-97D	30-63P	APS164-02601	APS66-10500	2	APS105-00200
Beaver DHC-2 MK 1,2,3	199-95	40-134	30-99	APS164-06306	APS66-06600	8	APS177-01600
Twin Otter DHC-6-1,100,200,300	199-92	40-21101	30-170	APS164-22400	APS66-10000	8	APS177-01600
Ercoupe							
415-C, CD, D, E, F-1, F-1A 5, G	199-69	40-41	30-30	APS164-00300	APS66-10500	2	APS105-00200
Explorer Aeronautique							
Private Explorer Std	199-62	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
Private Explorer Float	N/A	40-101	30-67B	APS164-03006	APS66-10800	4	APS105-00200
Express Aircraft							
Express 2000/2000RG	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
Four Winds Aircraft							
192/210/250T	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
Globe Swift							
GC1A, GC1B	199-48	40-113C	30-79B	APS164-04300	APS66-10500	2	APS105-00200
Gulfstream Aerospace							
500,A,B,S,U	199-122	40-198	30-159B	APS164-22000		8	APS177-01600
500,A,B,S,U	199-122A	40-198	30-159C	APS164-22000		8	APS177-01600
560F,680F, FL.FLP,T,V,W,681, 685, 690, 690A,B,C,D, 695,A,B	199-80	40-107A	30-107E	APS164-07200		8	APS177-01600
Hensely Aircraft							
F-19 Wolf Aerobatic	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
F-19 Wolf Utility	199-62	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
Lancair							
IV High Energy, Energy Upgrade	199-224, 224A	40-406	30-233	APS164-02504	APS66-06200	4	APS177-00300
IV Standard	199-208	40-963	30-61E	APS164-02504	APS66-10500	4	APS105-00200
Legacy FG/RG	199-152	40-151	30-133	164-09900 2	APS66-10500	2	APS105-00200
Murphy Manufacturing							
Rebel	199-71	40-60A	30-60A	APS164-06700	APS66-10600	4	APS105-00200
Navion							
A,B,D,E,F,G,H	199-52/ 199-52A	40-98D	30-66B	APS164-02707	APS66-11000	4	APS105-00200
Piper							
J3, PA-11,12,13,14,15,16,17,18,20	199-71A	40-97D	30-60A	APS164-02601	APS66-10600	4	APS105-00200
	199-71	40-60	30-60A	APS164-06700	APS66-10600	4	APS105-00200
PA-18A-150	199-71A	40-97D	30-60A	APS164-02601	APS66-10600	4	APS105-00200
	199-71	40-60	30-60A	APS164-06700	APS66-10600	4	APS105-00200
PA-31, -300,325,350	199-100	40-162	30-138	APS164-07700	APS66-06800	12	APS177-01600
PA-31-310,325,350	199-66	N/A	30-95A	APS164-07906	APS66-06600	8	APS177-01600
PA-31P (425 HP), PA31-350	199-83	40-141	30-123	APS164-07700	APS66-06800	12	APS177-01600
PA-31-350 4	199-119	40-198	30-158	APS164-21900	APS66-06800	12	APS177-01600
PA-31T, PA-3T1	199-89	40-106	30-106	APS164-03906	APS66-06800	16	APS177-01600
PA-31T2	199-111	40-167	30-142	APS164-20600	APS066-07300	8	APS177-01600
PA-42, PA-42-720	199-112	40-166	30-141	APS164-07400	APS066-07300	8	APS177-01600
Pitts							
Pitts Special	199-103	40-78J	30-9C	APS164-01700	APS66-10600	2	APS105-00200
S1-S	199-102	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
RANS							
S-16	199-102	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
S-7C	199-104	40-59A	30-59A	APS164-07500 3	APS66-11200	2	APS105-00200

Eligibility continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

APS Brake Discs, Linings, and Rivets for Aircraft with Cleveland Conversion Kits Installed
Continued from previous page
(Includes Experimental Aircraft)

Aircraft Model	Cleveland Kit P/N	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings per Wheel	Rivet or Pin P/N
Skystar Aircraft							
Kit Fox	199-215	40-281	30-224	164-23400 2	APS66-10500	2	N/A
Pulsar	199-102	40-78B	30-9	N/A	APS66-10600	2	APS105-00200
Steen Aero Lab							
Skybolt	199-104	40-59A	30-59A	APS164-07500 3	APS66-11200	2	APS105-00200
	199-105	40-113X	30-75X	APS164-04000	APS66-10500	2	APS105-00200
Swift							
GC-1A, GC-1B	199-98	40-113C	30-79B	APS164-04300	APS66-10500	2	APS105-00200
Univair							
108 Series	188-87	40-97D	30-63Q	APS164-02601	APS66-10500	2	APS105-00200
Van's Aircraft							
RV-3, RV-9	199-102	40-75B	30-9	APS164-01700	APS66-10600	2	APS105-00200
RV-10	199-104	40-59A	30-59A	APS164-07500 3	APS66-11200	2	APS105-00200
Velocity Aircraft							
SE/XL	199-60	40-75B	30-52	APS164-01501	APS66-10600	4	APS105-00200

1 Partial model eligibility
2 OEM brake disc or lining must be used, this part is not FAA-PMA approved.
3 This part is not FAA-PMA approved
4 Modified by Schaefer STC SA678SW
5 S/N 813 and on

APS *BlackSteel*® Brakes for Pilatus PC-12
Cost effective replacement brake parts for the PC-12 with Cleveland Brakes

- All parts are FAA-PMA approved
- Longer wear life
- Parts are offered individually or as a convenient brake overhaul kit

Brake Overhaul Kit P/N APS199-575A			
P/N	**Description**	**Qty**	**Index**
APS095-01100	Washer-seal	1	1
APS101-00700	O-ring	2	2
APS101-02500	O-ring	6	3
APS105-02401	Rivet	48	4
APS105-08701	Rivet	48	5
APS107-03700	Scraper	6	6
APS109-03000	Wear Pad	72	7
APS159-07400	Rotor Assembly	3	8
APS88-03800	Insulator	6	



APS Blacksteel Brakes for Caravan Aircraft
Improve braking performance!

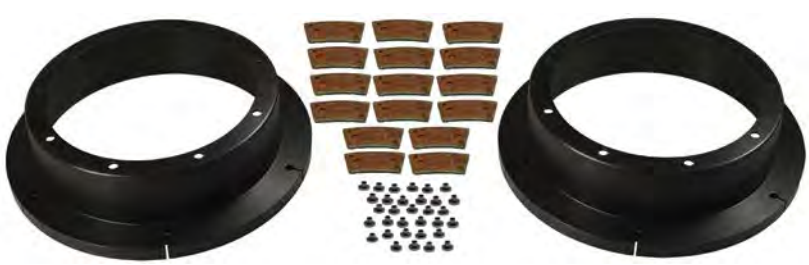
- One piece forged disc eliminates weld failure
- Heat treated to reduce corrosion & rust
- FAA-PMA Approved

APS Extended Life Brake Lining
Reduce cost per landing

- Lining is .035" thicker
- 35% longer life!
- FAA-PMA Approved

APS164-22201-1 Kit Components		
P/N	**Description**	**Qty**
APS164-22201	Brake Discs	2
APS66-15300	Brake Linings	16
APS177-00300	Pins	32





McFarlane Aircraft Tire Balancers

Tire balance is important.
Now it's fast, accurate and affordable!



Aircraft tires spin 1.6 times faster than car tires. Out-of-balance tires cause a long list of maintenance problems:

- Uneven tire wear
- Premature bearing wear
- Shimmy and resulting torque link damage
- Destructive and distracting airframe vibration

McFarlane's tire balancer is a suspension tire balancer with a patented design featuring a pivot point that is easily adjustable on-the-fly for maximum balance sensitivity. It is small enough to fit in a tool box and doesn't require a bulky stand. The McFarlane design is more precise than other static balancing methods, and allows the wheel and tire to be balanced with the bearings and seals installed.

It's fast and easy. Due to the horizontal balancing orientation, test weights can be temporarily set in place and easily adjusted while balancing. This eliminates the need to tape the test weights. The McFarlane tire balancers are precision machined with a black, hard anodized finish, and comes in an oiled wooden case. This is a ***lifetime tool*** that fits almost all light aircraft wheel/tire assemblies.

- On-the-fly adjustable pivot point for maximum sensitivity (U.S. Patent No. US 9,032,793 B1)
- Portable – small enough to fit in your toolbox
- Does not require removal of bearings or seals
- Complete instructions included
- Multiple models and add-on bushing kits to accommodate ¾", 1", 1¼", 1⅛", 1⅝" and 2" axles
- Conveniently packaged in a durable wooden box
- Doubles as a propeller balancer when used with our optional bushings

Part Number	Description
TOOL128	Tire balancer for ¾" diameter axles (common on experimental aircraft)
TOOL129 (Supersedes TOOL108)	Tire balancer for 1", 1¼", and 1½" axles, including Cessna 300 and 400 Series tapered axles with 1½" and 1" bearing bores.
TOOL129 LA-KT	Large Axle Bushing Kit for 1⅝" and 2" axles (compatible with TOOL129 only)
TOOL108 LA-KT	Large Axle Bushing Kit for 1⅝" and 2" axles (compatible with TOOL108 only)



P/N TOOL129

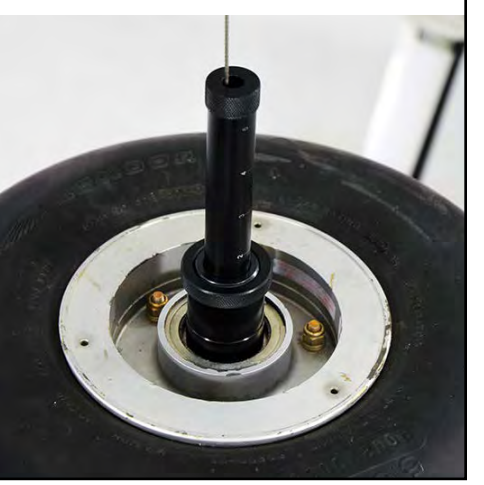
Now available to accommodate standard and taper axle sizes ranging from 3/4" to 2".



P/N TOOL129 LA-KT



Costs less and is more accurate than axle style balancers.



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Brake Bleeder Valves for Cleveland and McCauley Wheels

Improved - No more rust, no more rounded wrench flats

Bleeder Screws
- Strong heat treated 17-4 stainless steel prevents corrosion and rounding of the hex
- Increased hex size further resists rounding of the wrench hex

Bleeder Seats
- Stainless steel for corrosion resistance
- Type III class 3 cadmium plating sure is ugly, but it's the best protection against galvanic corrosion with the magnesium housing.

Save $$$

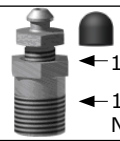
Even the Rubber Cap is Improved!
- Improved material prevents cracking
- Shorter design results in a more secure fit

Convenient Kits
- Two kits required per aircraft
- Components also available separately



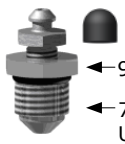
MCBB-KT-1

Qty	Part Number	Description
1	MC081-00100	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap



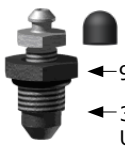
MCBB-KT-2

Qty	Part Number	Description
1	MC081-00200	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	MS28775-012	O-ring



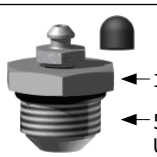
MCBB-KT-3

Qty	Part Number	Description
1	MC081-00500	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	MS28775-011	O-ring



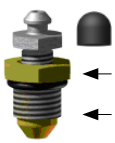
MCBB-KT-4

Qty	Part Number	Description
1	MC081-00600	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	NAS1612-4A	O-ring



MCBB-KT-5

Qty	Part Number	Description
1	MC081-30169	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	MS28775-011	O-ring



FAA-PMA Direct Replacements
Currently approved for most Cessna

Description	McFarlane P/N	Cleveland P/N	Cessna P/N	McCauley P/N
Bleeder Seat	MC081-00100	081-00100	37-206	A30030
Bleeder Screw	MC079-00300	079-00300	FC6446	A30085
Bleeder Seat	MC081-30169	081-30169		A30169
Needle Cap	MC183-00100	183-00100		A30040
Needle Cap	MC183-00100	183-1		A30040
Needle Cap	MC183-00100	183-0100		A30040

Eligibility on the following pages



Brake Bleeder Valves for Cleveland and McCauley Wheels continued from previous page


MCBB-KT-1


MCBB-KT-2


MCBB-KT-3


MCBB-KT-4


MCBB-KT-5

Aircraft	Serial Number	When equipped with brake number or Cleveland conversion kit:	P/N
120, 140, 140A	All	Only for use with Cleveland conversion kit 199-46	MCBB-KT-1
150A,B,C,D,E,F,G,H,J,K,L,M	All		MCBB-KT-1
A150K,L,M	All		MCBB-KT-1
F150F,G,H,J,K,L,M	All		MCBB-KT-1
FA150K,L,M	All		MCBB-KT-1
152	15279406 thru 15285161	C163032-0110 or C163030-0113 (30-75)	MCBB-KT-1
	15285162 thru 15286033	C163033-0101 (C30018)	MCBB-KT-5
A152	All	C163032-0110 or C163030-0113 (30-75)	MCBB-KT-1
	A1520984 thru A1521049	C163033-0101 (C30018)	MCBB-KT-5
F152, FA152	All		MCBB-KT-1
170, 170A,B	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
172, 172A,B,C,D,E	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
172F,G,H,I,K,L,M,N	All		MCBB-KT-1
172P	17274010 thru 17275034	C163030-0111 (30-75A), C163032-0105, C163032-0113 (C30018-6) or equipped with Cleveland conversion kit 199-62, or 199-62A	MCBB-KT-1
	17275035 thru 17275868	C163033-0102 (C30764-6)	MCBB-KT-5
172Q	All	Only for use with Cleveland conversion kit 199-62, or 199-62A	MCBB-KT-1
			MCBB-KT-5
172R,S	All		MCBB-KT-1
172RG	172RG0001 thru 172RG0890		MCBB-KT-1
	172RG0891 thru 172RG1191		MCBB-KT-5
F172D,E,F,G,H,K,L,M,N,P	All		MCBB-KT-1
FR172E,F,G,H,J,K, R172E,F,G,H,K	All		MCBB-KT-1
P172D	All	Only for use with Cleveland conversion kit 199-46	MCBB-KT-1
175, 175A,B,C	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
177, 177A,B, 177RG, F177RG	All		MCBB-KT-1
180	All	Only for use with Cleveland conversion kit 199-46, 199-60, 199-62 or 199-62A	MCBB-KT-1
180A,B,C,D,E,F	All	Only for use with Cleveland conversion kit 199-46, 199-60, or 199-62	MCBB-KT-1
180G,H	All		MCBB-KT-1
180J	18052285 thru 18052384	1241157-1, C163030-0303 (30-52), C163030-0305 (30-52D), or C163030-0113 (30-75) or equipped with Cleveland conversion kit 199-60	MCBB-KT-1
	18052385 thru 18052770	C163030-0303 (30-52) or C163030-0113 (30-75) or equipped with Cleveland conversion kit 199-62	MCBB-KT-1
	All	C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
180K	All	C163030-0303 (30-52) or C163030-0113 (30-75) or equipped with Cleveland conversion kit 199-62	MCBB-KT-1
		C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
182	All	Only for use with Cleveland conversion kit 199-46	MCBB-KT-1
182A,B,C,D,E,F,G	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
182H,J,K,L,M,N,P,Q	All		MCBB-KT-1
182R	All		MCBB-KT-5
182S	All	Only for use with Cleveland conversion kit 199-62, or 199-62A	MCBB-KT-1
			MCBB-KT-3
182T, T182T	All		MCBB-KT-3
A182J,K,L,N	All		MCBB-KT-1
F182P,Q	All		MCBB-KT-1
FR182	All		MCBB-KT-5
R182, T182, TR182	All		MCBB-KT-5
185, 185A,B,C,D,E, A185E	All		MCBB-KT-1

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Brake Bleeder Valves for Cleveland and McCauley Wheels continued from previous page


MCBB-KT-1


MCBB-KT-2


MCBB-KT-3


MCBB-KT-4


MCBB-KT-5

Aircraft	Serial Number	When equipped with brake number or Cleveland conversion kit:	P/N
A185F	18502091 thru 18502300	C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
	18502091 thru 18502310	1241157-1, C163030-0303 (30-52), C163030-0305 (30-52D), or C163030-0113 (30-75) or when equipped with Cleveland conversion kit 199-60 or 199-62	MCBB-KT-1
	18502311 thru 18504448	C163030-0303 (30-52) or C163030-0113 (30-75)	MCBB-KT-1
188, 188A,B, A188, A188A,B, A188B	18800001 thru 18802348	C163030-0301 (30-52B) or C163030-0302 (30-52B)	MCBB-KT-1
188, 188A,B, A188, A188A,B	18800001 thru 18802348	30-67A, C163030-0601 (30-67C), C163030-0503 (30-66A), or C163030-504 (30-66A)	MCBB-KT-2
A188B	18802349 thru 18803973		MCBB-KT-2
A188B (w/large hopper)	18800833T thru 18802348T	C163030-0301 (30-52B) or C163030-0302 (30-52B)	MCBB-KT-1
	18800833T thru 18802348T	30-67A, C163030-0601 (30-67C), C163030-0503 (30-66A), or C163030-504 (30-66A)	MCBB-KT-2
	18802349T thru 18803973T		MCBB-KT-2
T188C	All		MCBB-KT-2
190, 195, 195A,B	All	Only for use with Cleveland conversion kit 199-61	MCBB-KT-2
210-5 (205), 210-5A (205A)	All		MCBB-KT-1
206, 206H	All		MCBB-KT-1
P206, P206A,B,C,D,E	All		MCBB-KT-1
T206H	All		MCBB-KT-1
TP206A,B,C,D,E, TU206A,B,C,D,E	All		MCBB-KT-1
TU206F, U206F	U20601701 thru U20602199		MCBB-KT-1
TU206F,G, U206F,G	U20602200 thru U20607020	C163030-0303 (30-52) or C163030-0313 (30-52N) or when equipped with Cleveland conversion kit 199-62	MCBB-KT-1
	All	C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
U206, U206A,B,C,D,E	All		MCBB-KT-1
207, 207A, T207, T207A	All		MCBB-KT-1
208, 208A,B	All		MCBB-KT-3
210, 210A,B	All	Only for use with Cleveland conversion kit 199-60	MCBB-KT-1
210C,D,E,F,G,H,J,K	All		MCBB-KT-1
210L,M	All	C163030-0303 (30-52) or when equipped with Cleveland conversion kit 199-60	MCBB-KT-1
	21060090 thru 21062954	C163032-205 (30-52U) or C163032-206 (D30118-4)	MCBB-KT-5
210N	21062955 thru 21063114	121494-3 or 121494-4	MCBB-KT-2
	21063115 thru 21064135	C163030-0315 (30-52V), C163030-0316 (30-52V), 30-05220,or 30-05270	MCBB-KT-3
	21064136 thru 21065009		MCBB-KT-3
	All	C163032-209 or C163032-210	MCBB-KT-5
210R, T210R	All		MCBB-KT-3
P210N	P21000001 thru P21000150	C163032-205 (30-52U) or C163032-206 (D30118-4)	MCBB-KT-5
	P21000151 thru P21000191	121494-3 or 121494-4	MCBB-KT-2
	All	Only for use with Cleveland conversion kit 199-60	MCBB-KT-1
		C163030-0315 (30-52V) or C163030-0316 (30-52V) or when equipped with Cleveland conversion kit 199-60A	MCBB-KT-3
P210R	All	C163030-0901 (30-127) or C163030-0902 (30-127)	MCBB-KT-3
T210F,G,H,J,K	All		MCBB-KT-1
T210L,M	All	C163030-0303 (30-52) or when equipped with Cleveland conversion kit 199-60	MCBB-KT-1
	21060090 thru 21062954	C163032-205 (30-52U) or C163032-206 (D30118-4)	MCBB-KT-5

Continued on next page

Brake Bleeder Valves for Cleveland and McCauley Wheels continued from previous page


MCBB-KT-1


MCBB-KT-2


MCBB-KT-3


MCBB-KT-4


MCBB-KT-5

Aircraft	Serial Number	When equipped with brake number or Cleveland conversion kit:	P/N
T210N	21062955 thru 21063114	121494-3 or 121494-4	MCBB-KT-2
	21063115 thru 21064135	C163030-0315 (30-52V), C163030-0316 (30-52V), 30-05220,or 30-05270	MCBB-KT-3
	21064136 thru 21065009		MCBB-KT-3
	All	C163032-209 or C163032-210	MCBB-KT-5
310, 310B,C,D,F,G,H,I,J,J-1, K,L,N,P,Q	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
E310H,J	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
T310P,Q	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
320, 320-1, 320A,B,C,D,E,F	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
336	All		MCBB-KT-1
337E,F, F337E,F, FT337E,F, T337E,F	All		MCBB-KT-1
310R, T310R	All		MCBB-KT-2
335	All		MCBB-KT-2
340, 340A	All		MCBB-KT-2
401, 401A,B	All	Only for use with Cleveland conversion kit 199-72 or 199-76	MCBB-KT-2
402, 402A,B	All	Only for use with Cleveland conversion kit 199-72 or 199-76	MCBB-KT-2
402C	All		MCBB-KT-2
404	All	Only for use with Cleveland conversion kit 199-78	MCBB-KT-2
411, 411A	All		MCBB-KT-2
414, 414A	All		MCBB-KT-2
421	All	Only for use with Cleveland conversion kit 199-76	MCBB-KT-2
421C	All		MCBB-KT-2
441	All	Only for use with Cleveland conversion kit 199-115	MCBB-KT-2
500, 501	All	91891-003 (030-18902 formerly 30-189B) or when equipped with Cleveland conversion kit 199-60	MCBB-KT-4
550, 551	All	030-18902 formerly 30-189B or when equipped with Cleveland conversion kit 199-60	MCBB-KT-4
S550	All	Only for use with Cleveland conversion kit 199-177	MCBB-KT-4

Brake Assembly and Master Cylinder Seal Kits for Cessna Aircraft

Kits contain the parts you need for a wide range of Cessna models
McFarlane has done the research so you don't have to. Now buy one kit per brake assembly or master cylinder and get the right seals for the job without wasting money on expensive parts you don't need.

All parts are standard industry spec hardware with full traceability or Cessna original parts with 8130-3 tags

- Expanded eligibility (188 thru 210, 337 and Caravan models)
- McFarlane original kit
- One kit per two brake calipers or one master cylinder
- Approved parts



Save time and $$$

Eligibility on the following page

Note: Master cylinder kit does not include Lock-o-Seal.

Kit P/N	Kit Type	Qty	Component	Description
CBS-KT-2	Master Cylinder Seal Kit	1	MS28775-110	O-ring
		1	S1628-110	Backup Ring
CBS-KT-3	Master Cylinder Seal Kit	1	MS28775-112	O-ring
		1	MS28775-110	O-ring
		1	MS28775-016	O-ring
		1	S1628-110	Backup Ring
		1	600-0115-6	Stat-O-Seal
CBS-KT-4	Master Cylinder Seal Kit	1	MS28775-012	O-ring
CBS-KT-5	Brake Assembly Seal Kit	2	MS28775-224	O-ring
		2	MS28775-218	O-ring
		4	MS28775-222	O-ring
CBS-KT-6	Brake Assembly Seal Kit	1	MS28775-225	O-ring
		1	MS28775-327	O-ring
		1	MS28775-224	O-ring
		1	MS28775-222	O-ring

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Brake Assembly and Master Cylinder Seal Kits continued from previous page

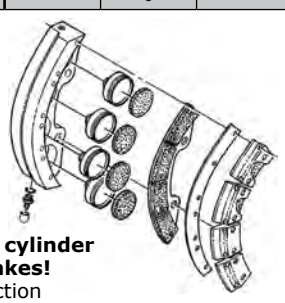
CBS-KT-6
Brake Caliper Seal Kit



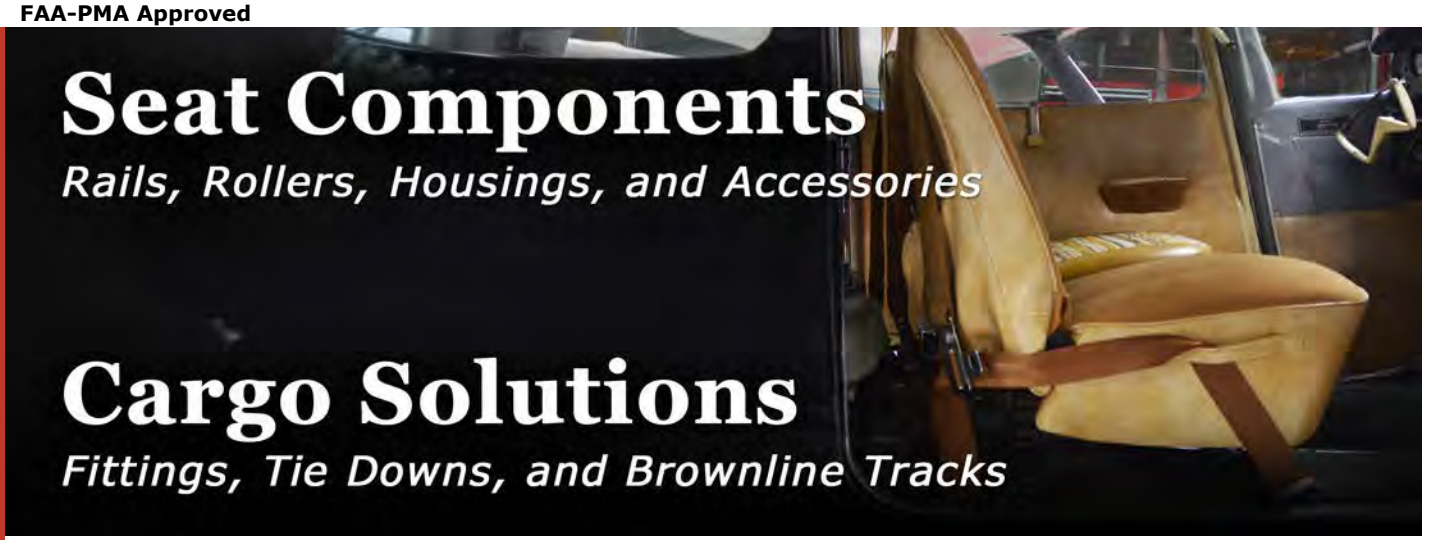
		Master Cylinder Seal Kits		Brake Caliper Seal Kits		
Aircraft Model	**Serial Number**	**CBS-KT-2**	**CBS-KT-3**	**CBS-KT-4**	**CBS-KT-5** [4]	**CBS-KT-6**
120, 140	All			•	•	
150, 150A,B,C,D,E,F,G,H,J,K,L,M	All				•	
F150F,G,H,J,K,L,M, FA150K,L,M, FRA150L,M	All				•	
A-150L, A-A150L, A150K,L,M	All				•	
152, A152, F152,FA152	All				•	
170, 170A	All			•	•	
170B	All				•	
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N[1]	28000 thru 17271034				•	
172N[1],P,Q	17271035 and On	•			•	
F172D,E,F,G,H,K,L,M,N[1]	F172-0001 thru F17201749				•	
F172N[1],P	F17201750 thru F17202254	•			•	
R172K	R1722000 thru R1722929				•	
	R1722930 thru R1723454	•			•	
FR172E,F,G,H,J	All				•	
FR172K	FR17200591 thru FR17200630				•	
	FR17200631 thru FR17200675	•			•	
R172E,F,G,H	All				•	
175, 175A,B,C	All				•	
177, 177A,B	All				•	
177RG	All	• [3]			•	
180, 180A,B,C,D,E,F,G,H,J,K[1]	30000 thru 18053000				•	
180K[1]	18053001 and On	•			•	
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q[1]	33000 thru 18266590				•	
182Q[1],R,S,T	18266591 and On	•			•	
F182P,Q[1]	F18200001 thru F18200094				•	
F182Q[1]	F18200095 and On	•			•	
FR182	FR18200001 thru FR18200020				•	
	FR18200021 thru FR18000070	•			•	
T182, T182T, TR182	All	•			•	
185, 185A,B,C,D,E, A185E,F[1]	185-0001 thru 18503683				•	
A185F[1]	18503684 and On	•			•	
188, 188A,B, A188, A188A,B[1]	188-0001 thru 18803296				•	
A188B[1]	18803297 and On	•			•	
A188B (w/ large hopper)	18800833T thru 18803296T				•	
	18803297T and On	•			•	
206, U206, U206A,B,C,D,E,F,G, TU206A,B,C,D,E,F,G	All				•	
P206, P206A,B,C,D,E, TP206A,B,C,D,E	All				•	
206H, T2006H	All	•			•	
208, 208B	All		•		•	
210, 210A,B	All					•
210C,D,E,F,G,H,J,K,L,M, T210F,G,H,J,K,L,M	All				•	
210N,R, T210N,R	All	•			•	
337, 337A,B,C,D,E,F,G,H[1]	337-0002 thru 33701874				•	
337H[1]	33701875 and On	•			•	
T337B,C,D	All				•	

[1] Partial model eligibility
[2] Use this kit when NOT equipped with master cylinder assembly P/N 9882010-1
[3] Use this kit when equipped with master cylinder assembly P/N 9882010-1
[4] CBS-KT-5 contains eight O-rings that replace the O-rings in both brake calipers





Brake assembly and master cylinder seal kits for Caravan brakes!
See complete Caravan section

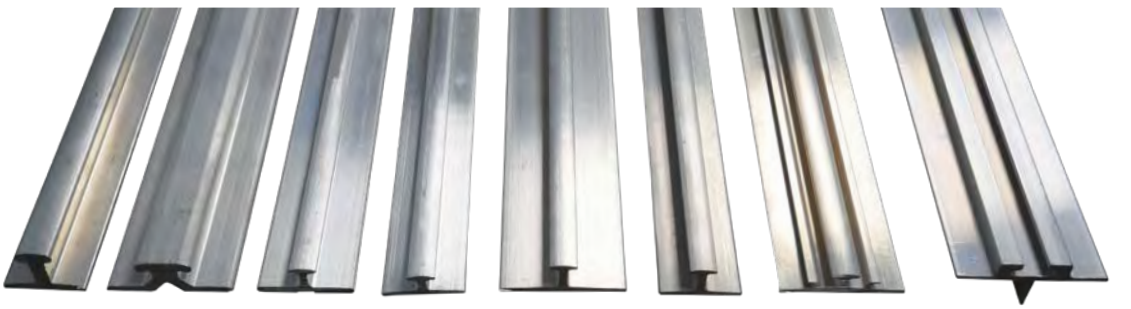


Seat Rail Extrusion

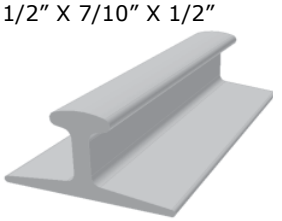
Ideal for home built aircraft!

For custom projects, McFarlane offers eight design types. Blank extrusion can be cut to most any length and is sold by the inch. We can also custom machine to your specifications. Our rails have superior corrosion resistance and added strength.

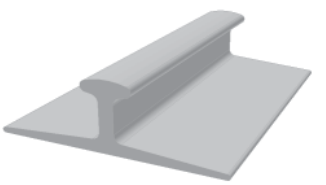
Custom seat rails are not FAA-PMA approved. The user must obtain proper FAA approvals to use our custom rails on certified aircraft. Fill out our design form online and email to our customs team. For additional information and questions, contact our customs department 866-920-2741, ext. 289 or email customparts@mcfarlaneaviation.com.



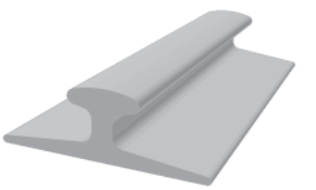
P/N STE101
1 1/2" X 7/10" X 1/2"



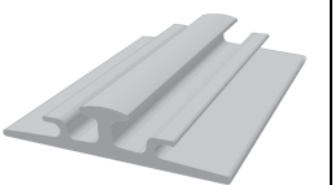
P/N STE102
2 3/10" X 7/10" X 1/2"



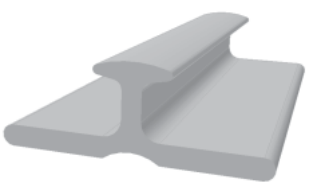
P/N STE103
1 1/2" X 1/2" X 1/2"



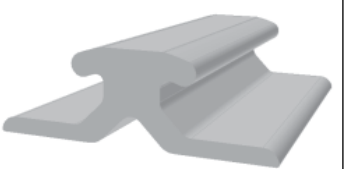
P/N STE104
2 3/10" X 1/2" X 1/2"



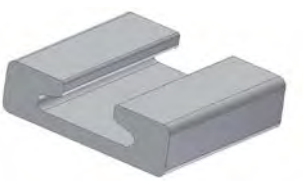
P/N STE108
1 3/4" X 5/8" X 1/2"



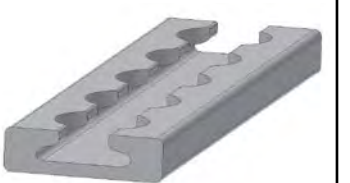
P/N STE109
2 3/10" X 3/4" X 1"



P/N STE105
1.34" X 0.37"



P/N 6656
1.34" X 0.37"

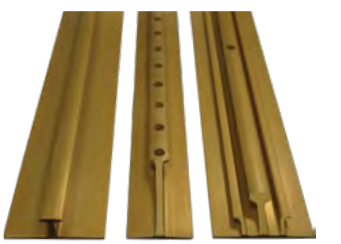


P/N STES2343-1
1 1/2" X 15/16" X 5/8"



P/N STES2617-1
2 5/8" X 1 1/8" X 1 1/4"





Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Seat Rails for Cessna Aircraft

- Carefully engineered with many improvements
- Increased strength and longer life
- Anodized for corrosion and wear resistance
- Easier installation
- Full interchangeability with the original Cessna parts



Seat Rails for 205-207 aircraft!

***New!* Seat Rails for 205, 206 and 207 Aircraft**

NEW

- 34 new part numbers for the center and rear locations
- Includes rails for aircraft with cameras and club seating
- With many seat configurations, McFarlane has the rails!



McFarlane Seat Rail Cessna Seat Rail

No Pre-Drilled Rivet Holes for Precise Installation

McFarlane seat rails do not have pre-drilled rivet holes in the rail base allowing the installer to exactly match the aircraft floor rivet pattern. McFarlane discovered while installing and developing our replacement seat rails that the seat rail attachment hole pattern was not consistent from aircraft to aircraft. Even small inconsistencies in the hole locations in the aircraft floor make installation of new seat rails very difficult. For this reason, McFarlane does not pre-drill rivet holes at the factory. (Existing stock may have a few pilot attachment holes drilled at the factory.) This allows the installer to precisely locate the attachment holes to match the holes in the aircraft floor. All special sized or machined attachment holes are machined to finish dimensions. It is necessary to replace all fasteners when the seat rails are installed.

Installation Tip:
The aircraft floor is subject to corrosion from moisture under the seat rails. Be sure to remove and treat any corrosion before installing the new seat rails.

More Material in the Right Places

After studying countless worn and failed seat rails McFarlane's rails were designed with 15% more metal in critical areas. The result is more crack resistance, durability, strength and longer life.

Model	Serial Number	Inboard LH	Outboard LH	Outboard RH	Inboard RH	Template
150A,B,C,D,E,F[1]	15059019 thru 15063059	MC0411545-2	MC0411545-1[2]	MC0411545-1[2]	MC0411545-2	
150F[1]	15063060 thru 15063735	MC0411545-4	MC0411545-3[2]	MC0411545-3[2]	MC0411545-4	
150F[1],G,H,J,K,L[1]	15063736 thru 15072628	MC0410219-2	MC0410219-1[2]	MC0410219-1[2]	MC0410219-2	
150L[1]	15072629 thru 15073658	MC0410230-2	MC0410230-3[2]	MC0410230-2	MC0410230-3	
150L[1],150M	15073659 thru 15079405	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
A150K,L[1]	A1500001 thru A1500276	MC0410219-2	MC0410219-1[2]	MC0410219-1[2]	MC0410219-2	
A150L[1]	A1500277 thru A1500342	MC0410230-2	MC0410230-3[2]	MC0410230-2	MC0410230-3	
A150L[1],M	A1500343 thru A1500734	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
F150F[1]	F1500001 thru F1500029	MC0411545-2	MC0411545-1[2]	MC0411545-1[2]	MC0411545-2	
F150F[1]	F1500030 thru F1500067	MC0411545-4	MC0411545-3[2]	MC0411545-3[2]	MC0411545-4	
F150G,H,J,K,L[1]	F1500068 thru F15000738	MC0410219-2	MC0410219-1[2]	MC0410219-1[2]	MC0410219-2	
F150L[1]	F15000739 thru F15000863	MC0410230-2	MC0410230-3[2]	MC0410230-2	MC0410230-3	
F150L[1],M	F15000864 thru F15001428	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
FA150K,L[1]	FA1500001 thru FA1500120	MC0410219-2	MC0410219-1[2]	MC0410219-1[2]	MC0410219-2	
FRA150L[1]	FRA1500121 thru FRA1500166	MC0410219-2	MC0410219-1[2]	MC0410219-1[2]	MC0410219-2	
FRA150L[1],M	FRA1500167 thru FRA1500336	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
152	15279406 thru 15286033	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
A152	A1520735 thru A1521049	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
F152	F15201429 thru F15201980	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
FA152	FA1520337 thru FA1520425	MC0410235-6[2]	MC0410235-1	MC0410235-2	MC0410235-6[2]	
170, 170A,B	18000 thru 27169	MC0511000-14	MC0511000-15[2]	MC0511000-14	MC0511000-15[2]	SRTEM1
172, 172A,B,C	28000 thru 17249544	MC0511293-1	MC0511293-3[2]	MC0511293-4	MC0511293-2[2]	SRTEM1
172D,E	17249545 thru 17251822	MC0511240-4	MC0511240-2[2]	MC0511240-3	MC0511240-6[2]	SRTEM2
172F,G,H,I,K[1]	17251823 thru 17258656	MC0511240-5	MC0511240-2[2]	MC0511240-3	MC0511240-6[2]	SRTEM2
172K[1]	17258657 thru 17259223	MC0511240-9	MC0511240-7[2]	MC0511240-8	MC0511240-10[2]	SRTEM2
172L	17259224 thru 17260758	MC0511240-15	MC0511240-11[2]	MC0511240-12	MC0511240-14[2]	SRTEM2
172M,N[1]	17260759 thru 17272884	MC0511243-4[2]	MC0511243-5[2]	MC0511243-6[2]	MC0511243-4[2]	SRTEM2
172N[1],P[1],Q	17272885 thru 17276516	MC2414002-2[2]	MC2414002-1[2]	MC2414002-2[2]	MC2414002-1[2]	SRTEM2
172P[1]	17276517 thru 17276654	MC0514209-4[2]	MC0514209-1[2]	MC0514209-2[2]	MC0514209-3[2]	SRTEM2
NOTE: Cessna Parts Manual has the location reversed on P/N 0514209-3 & 0514209-4. The info contained here has been verified as correct.						
172RG	172RG0001 thru 172RG1191	MC2414002-2[2]	MC2414002-1[2]	MC2414002-2[2]	MC2414002-1[2]	SRTEM2
F172D,E	F1720001 thru F1720085	MC0511240-4	MC0511240-2[2]	MC0511240-3	MC0511240-6[2]	SRTEM2
F172F,G,H[1]	F17200086 thru F17200739	MC0511240-5	MC0511240-2[2]	MC0511240-3	MC0511240-6[2]	SRTEM2
F172H[1]	F17200740 thru F17200754	MC0511240-9	MC0511240-7[2]	MC0511240-8	MC0511240-10[2]	SRTEM2
F172K,L	F17200755 thru F17200904	MC0511240-15	MC0511240-11[2]	MC0511240-12	MC0511240-14[2]	SRTEM2

Continued on next page

Seat Rails for Cessna Aircraft continued from previous page

Model	Serial Number	Inboard LH	Outboard LH	Outboard RH	Inboard RH	Template
F172M,N[1]	F17200905 thru F17201909	MC0511243-4[2]	MC0511243-5[2]	MC0511243-6[2]	MC0511243-4[2]	SRTEM2
F172N[1],P[1]	F17201910 thru F17202238	MC2414002-2[2]	MC2414002-1[2]	MC2414002-2[2]	MC2414002-1[2]	SRTEM2
F172P[1]	F17202239 thru F17202254	MC0514209-4[2]	MC0514209-1[2]	MC0514209-2[2]	MC0514209-3[2]	SRTEM2
NOTE: Cessna Parts Manual has the location reversed on P/N 0514209-3 & 0514209-4. The info contained here has been verified as correct.						
FP172	FP1720001 thru FP1720003	MC0511240-4	MC0511240-2[2]	MC0511240-3	MC0511240-6[2]	SRTEM2
FR172E,F,G[1]	FR17200001 thru FR17200190	MC0511240-5	MC0511240-2[2]	MC0511240-3	MC0511240-6[2]	SRTEM2
FR172G[1]	FR17200191 thru FR17200225	MC0511240-9	MC0511240-7[2]	MC0511240-8	MC0511240-10[2]	SRTEM2
FR172H	FR17200226 thru FR17200350	MC0511240-15	MC0511240-11[2]	MC0511240-12	MC0511240-14[2]	SRTEM2
FR172J,K[1]	FR17200351 thru FR17200655	MC0511243-4[2]	MC0511243-5[2]	MC0511243-6[2]	MC0511243-4[2]	SRTEM2
NOTE: Cessna Parts Manual has the location reversed on P/N 0514209-3 & 0514209-4. The info contained here has been verified as correct.						
FR172K[1]	FR17200656 thru FR17200675	MC2414002-2[2]	MC2414002-1[2]	MC2414002-2[2]	MC2414002-1[2]	SRTEM2
P172	P17257120 thru P17257188	MC0511240-4	MC0511240-2[2]	MC0511240-3	MC0511240-6[2]	SRTEM2
R172K[1]	R1722000 thru R1723199	MC0511243-4[2]	MC0511243-5[2]	MC0511243-6[2]	MC0511243-4[2]	SRTEM2
R172K[1]	R1723200 thru R1723454	MC2414002-2[2]	MC2414002-1[2]	MC2414002-2[2]	MC2414002-1[2]	SRTEM2
175	55001 thru 56777	MC0511293-1	MC0511293-3[2]	MC0511293-4	MC0511293-2[2]	SRTEM1
175A,B,C	17556778 thru 17557119	MC0511293-1	MC0511293-3[2]	MC0511293-4	MC0511293-2[2]	SRTEM1
177,A,B[1]	17700001 thru 17701636	MC1711015-3	MC1711015-1[2]	MC1711015-2	MC1711015-4[2]	SRTEM3
177B[1]	17701637 thru 17702752	MC1711015-9[2]	MC1711015-7[2]	MC1711015-8[2]	MC1711015-10[2]	SRTEM3
177RG[1]	177RG0105 thru 177RG01366	MC2011015-9[2]	MC2011015-5[2]	MC2011015-10[2]	MC2011015-8[2]	SRTEM3
F177RG	F177RG0007 thru F177RG0177	MC2011015-9[2]	MC2011015-5[2]	MC2011015-10[2]	MC2011015-8[2]	SRTEM3
180, 180A,B,C,D,E,F	30000 thru 18051312	MC0511000-14	MC0511000-15[2]	MC0511000-14	MC0511000-64[2]	SRTEM1
180G,H[1]	18051313 thru 18051490	MC0511000-68	MC0511000-69[2]	MC0511000-68	MC0511000-70[2]	SRTEM1
180H[1]	18051491 thru 18052103	MC0711693-1	MC0711693-2[2]	MC0711693-1	MC0711693-2[2]	SRTEM1
180H[1]	18052104 thru 18052215	MC0711693-1	MC0711693-4[2]	MC0711693-1	MC0711693-4[2]	SRTEM1
180H[1],J[1]	18052216 thru 18052500	MC0711693-8	MC0711693-6[2]	MC0711693-8	MC0711693-6[2]	SRTEM1
180J[1]	18052501 thru 18052620	MC0711693-8	MC0711693-7[2]	MC0711693-8	MC0711693-7[2]	SRTEM1
180J[1],K	18052621 thru 18053203	MC0711693-9[2]	MC0711693-11[2]	MC0711693-10[2]	MC0711693-7[2]	SRTEM1
182, 182A,B,C,D	33000 thru 18253598	MC0511293-1	MC0511293-3[2]	MC0511293-4	MC0511293-2[2]	SRTEM1
182E,F,G,H, J,K,L,M,N[1]	18253599 thru 18260445	MC0710618-1	MC0710618-5[2]	MC0710618-4	MC0710618-6[2]	SRTEM1
182N[1],P,Q,R/T182	18260446 thru 18268615	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	SRTEM1
A182J,K,L,M,N	A1820001 thru A1820148	MC0710618-1	MC0710618-5[2]	MC0710618-4	MC0710618-6[2]	SRTEM1
F182P,Q	F18200001 thru F18200169	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	SRTEM1
F182RG	FR18200001 thru FR18200070	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	SRTEM1
R182/TR182	R18200001 thru R18202041	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	MC0710658-2[2]	SRTEM1
185,A,B,C,D[1]	1850001 thru 1850806	MC0511000-68	MC0511000-69[2]	MC0511000-68	MC0511000-70[2]	SRTEM1
185D[1],E, A185E[1]	1850807 thru 18501599	MC0711693-1	MC0711693-2[2]	MC0711693-1	MC0711693-2[2]	SRTEM1
A185E[1]	18501600 thru 18501954	MC0711693-1	MC0711693-4[2]	MC0711693-1	MC0711693-4[2]	SRTEM1
A185E[1], A185F[1]	18501955 thru 18502565	MC0711693-8	MC0711693-6[2]	MC0711693-8	MC0711693-6[2]	SRTEM1
A185F[1]	18502566 thru 18502838	MC0711693-8	MC0711693-7[2]	MC0711693-8	MC0711693-7[2]	SRTEM1
A185F[1]	18502839 thru 18504448	MC0711693-9[2]	MC0711693-11[2]	MC0711693-10[2]	MC0711693-7[2]	SRTEM1
A188B	18800944 thru 18803968T	Left- MC1613423-3[2]		Right-MC1613423-3[2]		SRTEM1
T188C	T18803307T thru T18803968T	Left- MC1613423-3[2]		Right-MC1613423-3[2]		SRTEM1
190, 195	7001 thru 7999	MC0311715-4[2]	MC0311715-3[2]	MC0311715-3[2]	MC0311715-4[2]	SRTEM1
190, 195	16000 thru 16183	MC0311715-4[2]	MC0311715-3[2]	MC0311715-3[2]	MC0311715-4[2]	SRTEM1
New! 210-5 (205), 210-5A (205A)	All	MC1210408-1	MC1210408-5[2]	MC1210408-4	MC1210408-6[2]	SRTEM1
		(Center) MC1211642-5	(Center) MC1211642-3	(Center) MC1211642-4	(Center) MC1211642-8	SRTEM1
New! 206	2060001 thru 2060275	MC1210408-1	MC1210408-5[2]	MC1210408-8	MC1210408-6[2]	SRTEM1
		(Center) MC1211642-5	(Center) MC1211642-3	(Center) MC1211657-1	(Center) MC1211642-8	SRTEM1
					(Rear Fwd Aft) MC1211671-1	SRTEM1

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Seat Rails for Cessna Aircraft continued from previous page

Model	Serial Number	Inboard LH	Outboard LH	Outboard RH	Inboard RH	Template
New! U206, U206A,B,C,D TU206A,B,C,D	U206-0276 thru U206-1444	MC1210408-1	MC1210408-5 [2]	MC1210408-8	MC1210408-6 [2]	SRTEM1
		(Center) MC1211642-5	(Center) MC1211642-3	(Center) MC1211657-1 (Rear Fwd Aft) MC1211671-1	(Center) MC1211642-8	SRTEM1
New! P206A,B,C,D TP206A,B,C,D	All	MC1210408-1	MC1210408-5 [2]	MC1210408-4	MC1210408-6 [2]	SRTEM1
		(Center) MC1211642-5	(Center) MC1211642-3	(Center) MC1211642-4	(Center) MC1211642-8	SRTEM1
New! U206E [1], TU206E [1]	U20601445 thru U20601587	MC1210408-1	MC1210408-5 [2]	MC1210408-8	MC1210408-6 [2]	SRTEM1
		(Center) MC1211642-5	Not available	(Center) MC1211657-1	(Center) MC1211642-8	SRTEM1
	U20601588 thru U20601604	Not available	MC1210408-21 [2]	MC1210408-14	MC1210408-12 [2]	SRTEM1
		(Center) MC1211642-5	Not available	(Center) MC1211657-1	(Center) MC1211642-8	SRTEM1
	U20601605 thru U20601618 and U2061633	Not available	MC1210408-21 [2]	MC1210408-14	MC1210408-12 [2]	SRTEM1
		(Center) MC1211642-11	(Center) MC1211642-13	(Center) MC1211657-2	(Center) MC1211642-12	SRTEM1
		(Rear) MC1211782-7	(Rear) MC1211783-3	(Rear) MC1211785-2	(Rear) MC1211782-8	SRTEM1
	U20601619 thru U20601632	Not available	MC1210408-21 [2]	MC1210408-14	MC1210408-12 [2]	SRTEM1
		(Center) MC1211642-5	Not available	(Center) MC1211657-1	(Center) MC1211642-8	SRTEM1
	U20601634 thru U20601700	Not available	MC1210408-21 [2]	MC1210408-14	MC1210408-12 [2]	SRTEM1
		Not available	(Center) MC1211642-13	Not available	Not available	SRTEM1
New! P206E, TP206E	All	MC1210408-1	MC1210408-5 [2]	MC1210408-4	MC1210408-6 [2]	SRTEM1
		(Center) MC1211642-5	Not available	Not available	(Center) MC1211642-8	SRTEM1
New! U206F, TU206F	U20601701 thru U2063521	Not available	MC1210408-21 [2]	MC1210408-14	MC1210408-12 [2]	SRTEM1
		(Center) MC1211642-11	(Center, w/ camera) MC1211642-13	(Center) MC1211657-2	(Center) MC1211642-12	SRTEM1
		(Rear) MC1211782-7	(Rear, w/ camera) MC1211783-3	(Rear, w/ camera) MC1211785-2	(Rear) MC1211782-8	SRTEM1
New! U206G [1], TU206G [1]	U20603522 thru U20604120, U20604122 thru U20604133, U20604135 thru U20604137, U20604139 thru U20604146, U20604149 thru U20604151, U20604155 thru U20604157, U20604159 thru U20604160, U20604162 thru U20604171, U20604173 thru U20604176, U20604178 thru U20604179, U20604181 thru U20604183, U20604185	MC1210408-18 [2]	MC1210408-21 [2]	MC1210408-17 [2]	MC1210408-12 [2]	SRTEM1
		(Center) MC1211642-11	(Center, w/ camera) MC1211642-13	(Center) MC1211657-2	(Center) MC1211642-12	SRTEM1
		(Rear) MC1211782-7	(Rear, w/ camera) MC1211783-3	(Rear, w/ camera) MC1211785-2	(Rear) MC1211782-8	SRTEM1
	U20604186 thru U20604188 U20604191 thru U20604199	MC1210408-18 [2]	MC1210408-21 [2]	MC1210408-17 [2]	MC1210408-12 [2]	SRTEM1
		Not available	(Center, w/ camera) MC1211642-13	Not available	Not available	SRTEM1
		Not available	(Rear, w/ camera) MC1211783-3	(Rear, w/ camera) MC1211785-2	Not available	SRTEM1
	U20604121, U20604134, U20604138 U20604147 thru U20604148, U20604152 thru U20604154, U20604158, U20604161, U20604184 U20604189 thru U20604190, U20604200 thru U20605309	MC1210408-18 [2]	MC1210408-21 [2]	MC1210408-17 [2]	MC1210408-12 [2]	SRTEM1
		(Center) MC1211871-3	(Center, w/ camera) MC1211871-1	(Center, w/ camera) MC1211871-2	(Center) MC1211871-4	SRTEM1
		(Rear, w/ Club) MC1211875-3	(Rear, w/ camera) MC1211875-1	(Rear, w/ camera) MC1211875-2	(Rear, w/ Club) MC1211875-4	SRTEM1

Continued on next page

Seat Rails for Cessna Aircraft continued from previous page

Model	Serial Number	Inboard LH	Outboard LH	Outboard RH	Inboard RH	Template
New! U206G[1], TU206G[1]	U20604172, U20604177, U20604180	MC1210408-18[2]	MC1210408-21[2]	MC1210408-17[2]	MC1210408-12[2]	SRTEM1
		Not available	(Center, w/ camera) MC1211871-1	(Center, w/ camera) MC1211871-2	Not available	SRTEM1
		(Rear, w/ Club) MC1211875-3	(Rear, w/ camera) MC1211875-1	(Rear, w/ camera) MC1211875-2	(Rear, w/ Club) MC1211875-4	SRTEM1
	U20605310 thru U20607020	MC1210408-24[2]	MC1210408-21[2]	MC1210408-23[2]	MC1210408-12[2]	SRTEM1
		(Center) MC1211871-3	(Center, w/ camera) MC1211871-1	(Center, w/ camera) MC1211871-2	(Center) MC1211871-4	SRTEM1
		(Rear, w/ Club) MC1211875-13	(Rear, w/ camera) MC1211875-11	(Rear, w/ camera) MC1211875-12	(Rear, w/ Club) MC1211875-14	SRTEM1
207[1], T207[1]	20700001 thru 20700215	MC1210408-1	MC1210408-9[2]	Not Available	MC1210408-6[2]	SRTEM1
New! 207[1], T207, 207A[1], T207A[1]	20700216 thru 20700562	MC1210408-18[2]	MC1210408-15[2]	MC1210408-16[2]	MC1210408-12[2]	SRTEM1
		(Center) MC1212863-7	(Center, w/ camera) MC1212863-9	(Center w/ camera) MC1212,863-6	(Center) MC1212863-8	SRTEM4
		(Rear Inboard) MC1211782-7	(Rear Outboard, w/ camera) MC1211783-3		(Rear Inboard) MC1211782-7	
New! 207A[1], T207A[1]	20700563 thru 20700788	MC1210408-24[2]	MC1210408-15[2]	MC1210408-22[2]	MC1210408-12[2]	SRTEM1
		(Center) MC1212863-13	(Center, w/ camera) MC1212863-11	(Center, w/ camera) MC1212863-10	(Center) MC1212863-12	SRTEM4
		(Rear) MC1211875-13	(Rear) MC1211875-11	(Rear) MC1211875-12	(Rear) MC1211875-14	SRTEM1
210, 210A	21057001 thru 21057840	Not Available	MC1210025-3[2]	Not Available	MC1210025-2[2]	SRTEM1
210B,C,D,E,F,G,H,J	21057841 thru 21059199	MC1210408-1	MC1210408-5[2]	MC1210408-4	MC1210408-6[2]	SRTEM1
210K,L[1]/ T210K,L[1]	21059200 thru 21060539	Fwd MC1210520-11[2] Removable MC1210520-3	Fwd MC1210520-9[2]	Fwd MC1210520-12[2]	Fwd MC1210520-2[2] Removable MC1210520-4[2]	SRTEM1
210L[1], M/T210L[1],M	21060540 thru 21062954	Fwd MC1210520-11[2] Removable MC1210520-3	Fwd MC1211514-1[2]	Fwd MC1211514-1[2]	Fwd MC1210520-2[2] Removable MC1210520-4[2]	SRTEM1
210N, R/T210N,R	21062955 thru 21065009	Fwd MC1210520-15[2]	Fwd MC1211514-2[2]	Fwd MC1211514-2[2]	Fwd MC1210520-16[2]	SRTEM1/3
P210N[1]	P21000001 thru P21000150	Fwd MC1210520-11[2] Removable MC1210520-3	Fwd MC1211514-1[2]	Fwd MC1211514-1[2]	Fwd MC1210520-2[2] Removable MC1210520-4[2]	SRTEM1
P210N[1],R	P21000151 thru P21000874	Fwd MC1210520-15[2]	Fwd MC1211514-2[2]	Fwd MC1211514-2[2]	Fwd MC1210520-16[2]	SRTEM1/3
T210F,G,H,J	T2100001 thru T2100454	MC1210408-1	MC1210408-5[2]	MC1210408-4	MC1210408-6[2]	SRTEM1
305A,B,C,D,E,F	All	Front Seat Left-MC0611134-3[2]		Front Seat Right-MC0611134-2[2]		SRTEM1
Most 310 and 320	Cessna Manufactured	Left-0812200-125		Right-0812200-126		SRTEM1

[1] Partial model eligibility
[2] These rails have seat adjust holes

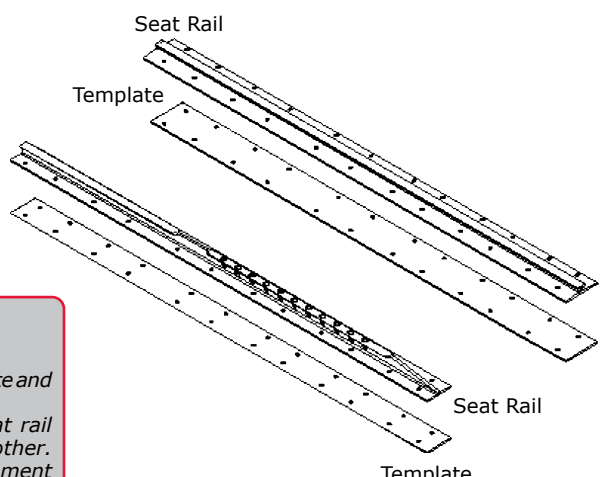
Templates for Cessna Seat Rails

Templates make the job of transferring the original rivet hole pattern from the old seat rail to the new seat rail easy!

- Inexpensive
- Achieve a precise fit every time

P/N	Dimensions
SRTEM1	1.5" X 38" X .025"
SRTEM2	2.25" X 30" X .025"
SRTEM3	1.5" X 58.63" X .025"

One template per seat rail is required



To use the templates:

1. *Clamp the template to your old seat rail.*
2. *Drill holes through the holes in the old seat rail into the template.*
3. *Clamp the template to the new seat rail and drill several holes through the template and new seat rail.*
4. *Set the new seat rail in position in the aircraft and check for proper seat rail alignment. The seat rails must be properly aligned and parallel with each other.*
5. *Clamp the templates again to the new seat rail and make any required alignment adjustments discovered during the aircraft test installation.*
6. *Drill all of the required holes through the template and the new seat rail.*

Models 150-152 and 190-195 do not require templates as the screw holes are pre-drilled. See seat rail eligibility for the template for your seat rails.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Seat Rail Wear Gauge for Cessna Aircraft

Checks seat rail wear limits as per FAA AD 2011-10-09 Seat Rail Directive

- Precision machined heat treated steel
- Best way to check seat rails for the limits defined by FAA AD 2011-10-09
- Save time and $$$

The McFarlane Seat Rail Wear Gauge is designed to check for seat rail pin engagement hole wear on Cessna aircraft, as required by FAA AD 2011-10-09.

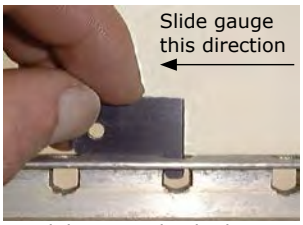
This gauge is designed to measure the actual radius wear near the seat stop holes and allows for the 0.020" upper surface wear permitted by the AD.



P/N GAUGE SR1



1. Place the gauge into each hole location showing wear.



2. Slide gauge back along **top center** of the rail until it contacts the hole edge. Make sure to keep the gauge parallel and square to the unworn rail surface.



3. If the step touches the rail, lifting the gauge up, the wear is less than 0.42.
If the step **does not** touch the rail, the wear is more than 0.42 and the seat rail must be replaced.



Fast and positive! No more guessing

Seat Rail Rivet and Screw Kits

McFarlane offers either rivets or screws as convenient kits containing AN and MS hardware. Since it is difficult to install many of the rivets required to attach the seat rail, it is permissible to substitute screws with ultimate tensile strength exceeding 50 ksi with lock nuts provided the holes are ream fit and spotfaced. Each kit contains enough rivets or screws to install four seat rails. These kits do not contain all required hardware for Cessna model 177 seat rails.

Installation hardware items are also available separately.



FAA General Aviation Airworthiness Information Bulletin CE-90-03R2, 08/26/2002 Original Issue 01/16/1991

This alert gives direction for the replacement of seat rails for most Cessna airplanes as required by AD 87-20-03R2. It advises all owners and operators of the necessity to install all required fasteners when seat rails are being replaced.

Many seat rails are manufactured with pilot holes only and do not contain all holes required for installation of the seat rail in the airplane. It is, therefore, necessary for the installer to assure that there are sufficient holes to accommodate all required fasteners.

Note these recommendations:

1. When replacing a seat rail, note the number and location of all fastener holes on the seat rail being removed.
2. Match these holes against the holes in the replacement seat rail. If the replacement seat rail does not have all of the same holes at the same locations, they must be drilled.
3. Since it is difficult to install many of the rivets required to attach the seat rail, it is permissible to substitute screws with ultimate tensile strength exceeding 50 ksi.

   Example of such screws are AN515, AN520, AN525, MS35206, MS35207, MS35214, MS35215, MS35218, MS35219, MS51957 or MS51958 with lock nuts, provided the holes are ream fit and spotfaced.

   For further information contact your local FAA office.

SR150-SCREW-KT

Contains #10 screws and hardware required for all Cessna 150/152 models

Qty	Part Number	Desc.	Size
40	MS27039-1-08	Screw	10-32 X .531
2	MS27039-1-09	Screw	10-32 X .594
2	MS27039-1-17	Screw	10-32 X 1.094
40	MS21044N3	Nut	Nylon Lock, 10-32

SR6-SCREW-KT

Contains #6 and #8 screws and hardware

Qty	Part Number	Desc.	Size
140	MS35206-229	Screw	6-32 X .438
16	MS35206-230	Screw	6-32 X .5
12	MS27039-0811	Screw	8-32 X .719
12	MS27039-0812	Screw	8-32 X .781
12	MS27039-0813	Screw	8-32 X .844
12	MS27039-0814	Screw	8-32 X .906
35	NAS21042-08	Nut	Small Wrench Surface
80	NAS21042-06	Nut	Small Wrench Surface
80	MS21044N06	Nut	Nylon Lock, 6-32
200	AN960-6L	Washer	#6 Thin
100	AN960-8L	Washer	#8 Thin

RIVET KIT 1

1/8 and 5/32 Universal Head Rivet Kit

Qty	U/M	Part Number
22	Grams	MS20470 AD4-5
11	Grams	MS20470 AD4-6
14	Grams	MS20470 AD4-7
6	Grams	MS20470 AD4-10
6	Grams	MS20470 AD4-12
18	Grams	MS20470 AD5-5
13	Grams	MS20470 AD5-6
13	Grams	MS20470 AD5-7
10	Grams	MS20470 AD5-10
10	Grams	MS20470 AD5-12

SR8-SCREW-KT

Contains #8 screws and hardware

Qty	Part Number	Desc.	Size
140	MS27039-0808	Screw	8-32 X .531
12	MS27039-0809	Screw	8-32 X .594
12	MS27039-0810	Screw	8-32 X .656
12	MS27039-0811	Screw	8-32 X .719
12	MS27039-0812	Screw	8-32 X .781
12	MS27039-0813	Screw	8-32 X .844
12	MS27039-0814	Screw	8-32 X .906
80	NAS21042-08	Nut	Small Wrench Surface
80	MS21044N08	Nut	Nylon Lock, 8-32
200	AN960-8L	Washer	#8 Thin

Spotface Kit

Kit P/N SPOTFACE KIT

Contains a tool used with an electric drill to make a flat spot for screws. Cutter comes with three pilots.

Components sold as a kit or separately by part number.

Spotface Kit Components:	
Description	**Part Number**
Cutter	6080
1/8" Pilot	6078
5/32" Pilot	6076
3/16" Pilot	6077
Pouch	6090

Now modified for rail cap clearance!





Pilot/Copilot Seat Rail Repair Kit for Cessna Citation Aircraft

P/N MCSK101

Save time and money!

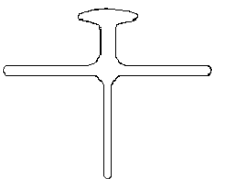
McFarlane has created a patented solution, using input from Citation mechanics and our extensive experience with Cessna seat rails.
Eligible for installation on all Cessna 500 and 501 series aircraft.

- FAA-PMA/STC approved
- Stronger than the Cessna splice repair
- No splice kit needed
- Makes future replacements bolt-in only
- Complete installation tool kit may be purchased or rented
- No cutting or riveting below the floor level

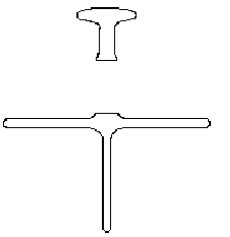
Patent Number 7,168,674 B2



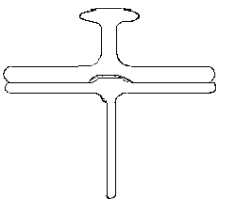
Original Cessna Seat Rail Extrusion



Cut the rail cap off using the McFarlane tool kit



Bolt the McFarlane replacement seat rail to the Cessna extrusion



Crew Rails and Cargo Tracks for Cessna Caravan

The leading manufacturer of seat rails now has PMA approval on rails and tracks for 208 series!

- FAA-PMA direct replacements
- Improved thickness and stability
- Fits all Cessna 208/208B aircraft
- Anodized for superior wear and corrosion resistance
- Polyurethane undercoating for optimal corrosion resistance

See eligibility in the Caravan section of our catalog!



With two versions available, drilled or undrilled, McFarlane seat rails will meet your needs.
McFarlane offers the Seat Rails with the rivet holes drilled in the bottom flange, and in an "S" suffix part number which has the rivet holes in the flange omitted. This undrilled version allows for easier installation in a replacement part situation as it allows the installer to match drill the original holes from the frame/aircraft to the seat rail.
Example P/N MC2601088-1 (drilled) and P/N MC2601088-1S (undrilled).

Seat Rail for Piper Aircraft

P/N MC62557-004 (seat rail - used in all positions)

Save $$$

- Direct replacement - used in all positions
- Precision machined
- Gold anodized for corrosion resistance
- Dry lubricant applied for long service life
- They are prettier too!



Eligibility on the following page!

Seat Rollers and Bushings for Piper Aircraft

Newly added P/N CA65003-047 and P/N CA95061-106 Bushings!

- Direct replacement
- Save $$$



P/N CA18968-000



P/N CA87332-002



Bushing



P/N MS24462-4 also available!

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

McFarlane PROUDLY SUPPORTS

CJ Aviation
CRS# YPGR715L ⊃ EASA.145.5330





» **New**

» **Overhaul**

» **Exchange**

» **Repair Services**

See Fuel System section our catalog for details!

Fuel Pumps - Ready to go!

McFarlane

Cessna Fuel Valves

We can repair or replace your valve!
Cessna 150-185 Series Aircraft

Improved Durability and Corrosion Resistance

- FAA-PMA approved
- Improved O-ring retention
- Computer machined for more balanced fuel flow
- Fully tested to perform to the highest standards









See Fuel System section of our catalog for details!
Hundreds of other Fuel System Components also available

McFarlane®

Always have the right tools for the job

Helping you work smarter, not harder!



Push-Pull Control Wrench Set

Pin Punch Set with Replaceable Tips

Adjustable Elavator Neutral Rigging Tool



Vacuum Pump Wrench

Tire balancer & Propeller Balancing Bushing Kit



Exhaust Valve Guide Reamers

Flap Track Wear Gauge for Cessna Aircraft

Flap Roller Installation Tool

Seat Roller Housing Gauge for Cessna Aircraft



To watch how these tools work and learn more details:
www.McFarlaneAviation.com/products/category/tools/



Seat Rail, Rollers, and Bushings for Piper Aircraft

continued from previous page



P/N CA18968-000



P/N CA87332-002



Bushing

Model	Serial Number	**Seat Rail** MC62557-004	**Seat Roller** CA18968-000 Small roller: 0.42" OD	**Seat Roller** CA87332-002 Large roller — 0.62" OD	**Seat Bushing** CA41413-038 Bushing — 0.3060" OD	**Seat Bushing** CA65003-047 Bushing — 0.3052" OD	**Seat Bushing** CA95061-106 Bushing — 0.3049" OD
PA-23, PA-23-160	All		•				
PA-23-235	All		•		•		
PA-23-250	27-1 thru 27-3836, 27-3838 thru 27-3943				•		
	27-3837, 27-3944 thru 27-7554168, 27-7654001 and on		•		•		
PA-24-250, 400	All		•				
PA-24-260	24-3462 thru 24-4246, 24-4248 thru 24-4299		•				
	24-4247, 24-4300 and on		•		•		
PA25, PA25-235	25-1 thru 25-4171				•		
PA-28-140	28-20002 thru 28-26400[2], 28-26401 thru 28-26956[2][3] 28-26957 thru 28-7125000[3]	•	[1]	[1]		•	
	28-7125001 thru 28-7325684[3]	•	[1]	[1]		•	•
	28-7325685 thru 28-7625235	•	[1]	[1]			•
	28-7625236 and on	•	[1]	[1]			
PA-28-150, PA-28-160	All[2]	•	[1]	[1]		•	
PA-28-151, 161	All	•	[1]	[1]			•
PA-28-180	28-671 thru 28-5600[2], 28-5601 thru 28-5869[2][3], 28-5870 thru 28-7105000	•	[1]	[1]		•	
	28-7105001 thru 28-7305611[3]	•	[1]	[1]		•	•
	28-7305612 and On	•	[1]	[1]			•
PA-28R-180	28R-30005 thru 28R-31250[2] (except 28R-30482), 28R-31251 thru 28R-31279[2][3], 28R-31280 thru 28R-7130000[3]	•	[1]	[1]		•	
	28R-7130001 thru 28R-7130019[3]	•	[1]	[1]		•	•
	28R-7130020 and On	•	[1]	[1]			•
PA-28-181	28-7690001 to 28-7690385[2][3], 28-7690386 thru 28-8290188[3], 28-8390001 and on[3], 2890206 and on[3], 2843001 and on[3], 2881001 and on[3]	•	[1]	[1]			•
PA-28R-200	28R-30482[2], 28R-35001 thru 28R-35600[2], 28R-35601 thru 28R-35830[2][3], 28R-35831 thru 28R-7135000[3]	•	[1]	[1]		•	
	28R-7135001 thru 28R-7335455[3], 28R-7335456 thru 28R-7635328	•	[1]	[1]		•	•
	28R-7635329 and on	•	[1]	[1]			•
PA-28-201T	All	•	•				•
PA-28R-201, 201T	All	•	•			•	•
PA-28RT-201, 201T	All	•	[1]	[1]		•	•
PA-28-235	28-10003 thru 28-11300[2], 28-11301 thru 28-11393[2][3], 28-11394 thru 28-7110000[3]	•	[1]	[1]		•	
	28-7110001 thru 28-7310187[3]	•	[1]	[1]		•	•
	28-7310188 thru 28-7610138	•	[1]	[1]			•
	28-7610139 and on	•	[1]	[1]			
PA-28-236	All	•	[1]	[1]			•
PA-30	30-1 thru 30-852, 30-854 thru 30-901		•				
	30-853, 30-902 and on		•		•		
PA-31-300, 325	All		•		•		
PA-31-350, PA-31P, PA-31P-350, PA-31T, 31T1, 31T2, 31T3	All		•		•		
PA-32-260	32-1251 thru 32-7300076[3]	•	[1]	[1]		•	•
	32-7300077 and On	•	[1]	[1]			•
PA-32-300	32-40851 thru 32-7340201[3]	•	[1]	[1]		•	•
	32-7340202 and on	•	[1]	[1]			•
PA-32-301,301T	All	•	[1]	[1]			•
PA-32R-300,301,301T, PA-32RT-300, 300T	All	•	[1]	[1]		•	•
PA-34-200[4],200T,220T	All	•	[1]	[1]		•	•
PA-39, PA-42, PA-42-720, PA-42-1000	All		•		•		
PA-44-180 180T	All	•	•			•	•
PA-46-310P, PA-46-350P (w/ G1000)	All			•			•
PA-46-500TP	4697001, 4697003 thru 4697339 and 4697341 thru 4697398						•
PA-46R-350T	All						•

[1] To determine your roller, verify the outer diameter at the center of the roller: 0.42" use P/N CA18968-000, 0.62" use P/N CA87332-002
[2] Standard seats
[3] Vertically adjustable front seats
[4] Used if the seat assy incorporates a "U" shaped handle for the seat track release mechanism

Seat Roller Kits for Cessna Aircraft

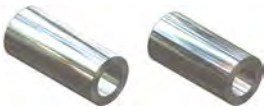
Now also approved for 300-400 series aircraft!

McFarlane seat parts were developed to assist in complying with the parts replacement requirements of FAA Airworthiness Directive 87-20-03. This AD requires the periodic inspection and replacement of seat components of the entire Cessna light aircraft fleet. Our parts are direct replacements for the wear related seat components. All parts are available individually or as convenient kits.

Rollers
- Fabricated from molydisulfide filled nylon for improved strength and self-lubrication
- Fully machined from extruded stock for a finer surface finish and higher strength



Bushings
- Machined from alloy steel
- Longer life
- Greater wear resistance



Washers
- Super tough acetyl plastic
- Resists wear and aging
- MC1714000-41 full round washer also available



Choose the Correct Kit

The seat related replacement parts are not serial number specific, as the type of seat installed in the aircraft was optional when the aircraft was ordered from the factory. A common seat configuration is the pilot seat being "articulating" or "infinitely adjustable" while the co-pilot seat is the "standard" or "vertically adjustable" style. ***One kit per seat is required.***

The most positive way to ensure that you are choosing the proper seat kit for your aircraft is to measure the rollers.

SEAT-KT-1

Roller diameter approximately 1 3/8″ This kit is used with the "infinitely adjustable" or "articulating" seats installed in Cessna single engine aircraft from 1963 thru 1986. Two adjustment crank handles identify this seat. The backrest angle is adjusted with a crank. It is also used with some 336-337 series aircraft. The SEAT-KT-1 contains the same components as four of the Cessna 1714000K200 kits.

All seats in the 177 Cardinal will use the large seat roller and require this kit. These parts are not used on models 150-152.

(8) MC1714000-22 Washer
(4) MCS1704-1 Roller
(4) MC1414104-54 Bushing



SEAT-KT-2

Roller diameter approximately 5/8″ This kit is used with the "Standard" or "Vertically adjustable" seat installed in Cessna single engine aircraft from 1963 through 1986. This seat is identified by one or no adjustment crank handles. The seat back angle is adjusted with a lever on the side of the seat back. It is also used with some 336-337 series aircraft. The SEAT-KT-2 contains the same components as four of the Cessna 1414100-212 kits.

These parts are not used on C150-152.

(8) MCS1554-1 Washer
(4) MCS1551-1 Roller
(4) MC1414104-54 Bushing



SEAT-KT-3

Roller diameter approximately 7/8" with no wear washers

This kit is used with all Cessna 150-152 seats and all Cessna single engine aircraft built before 1963. *A welded steel tubing seat frame easily identifies these seats.* It is also used with some Cessna twin engine aircraft.

(4) MC0311310 Roller
(4) MC0311586 Bushing



Obsolete Roller 1964-1965

Cessna aircraft manufactured in 1964 and 1965 had a spool shape roller with a smaller bushing. Use SEAT-KT-2 to replace this style roller.

The complete kit must be used, as the bushing size is different.



Seat Roller Housings

FAA-PMA approved for Cessna aircraft **Save $$$**

- Anodized for improved wear and corrosion resistance
- Precision machined with perfected dimensions for smooth installation and operation
- FAA-PMA direct replacement
- Seat roller housings for most single engine Cessna and Skymaster
- Replace out of spec housings as required by FAA AD 2011-10-09
- Convenient flowchart to determine correct housings for your aircraft



P/N MC1200603-42 *P/N MC1414104-61B*

Housing/Bracket Assembly: P/N's with B suffix

Save time and $$$ with housing/bracket assemblies. Most housings with a locking pin hole are available with or without the MC1414104-8 bracket. Just add a "B" suffix to the housing part number to buy the complete assembly.

We highly recommend buying complete assemblies. The bracket rivet spacing is very close making riveting difficult without special tooling. Bracket also available separately.

Typical seat roller housing



Typical seat roller housing-bracket assembly







P/N MC0700645-4 *P/N MC1714000-33*



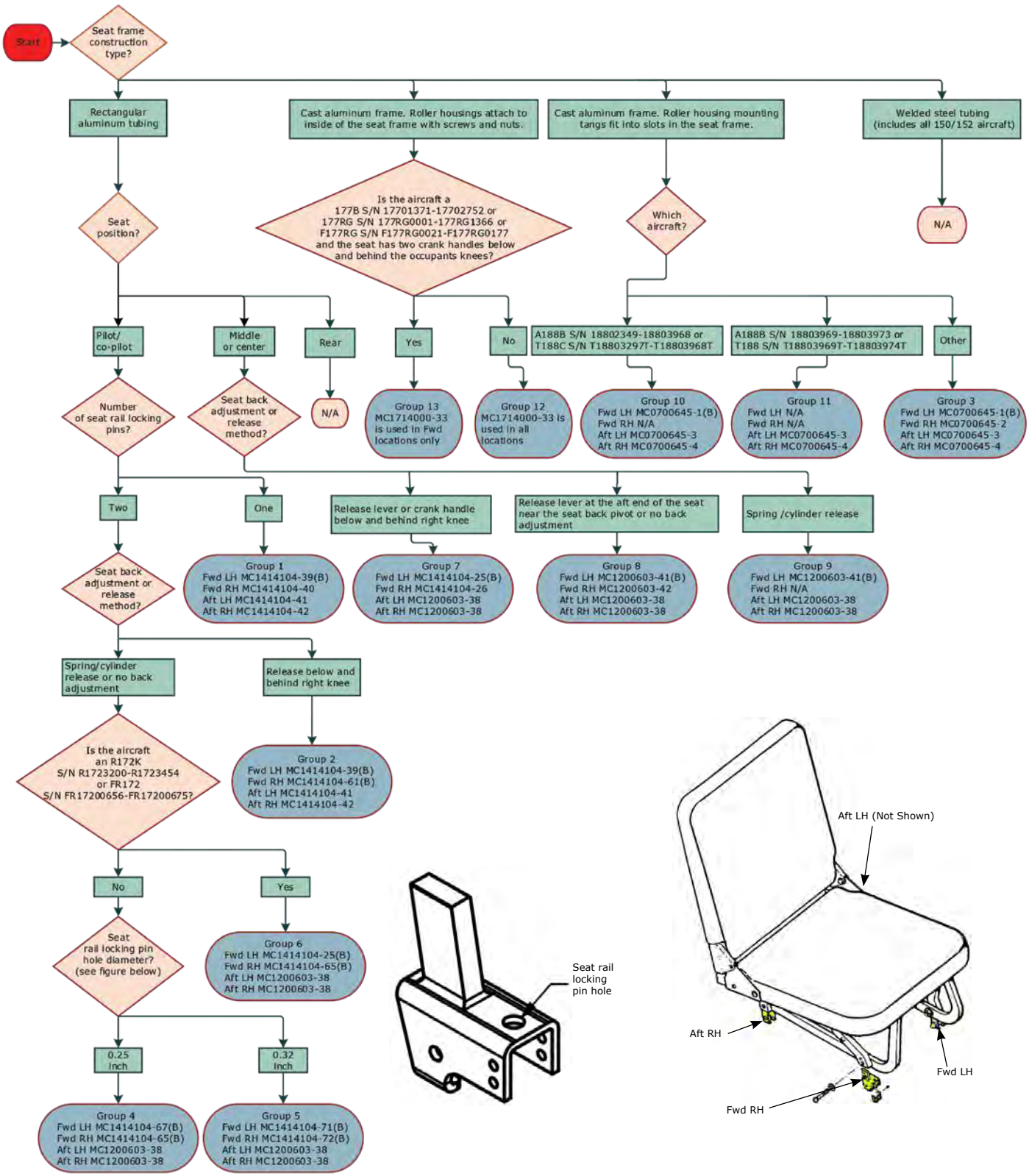
Bracket P/N MC1414104-8

Full assemblies save time! The old bracket does not have to be removed and reinstalled.

Flowchart to determine correct housings on the following page

Need help selecting the correct housing for your seat?

With over two dozen part numbers and many different seat options, this can be very challenging.
Only McFarlane has a convenient flowchart to make it easy!

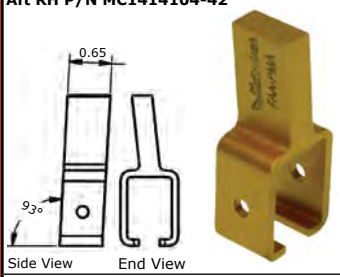


Cargo and Seat Components

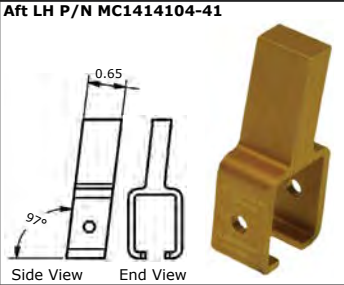
Seat Roller Housings

Group 1

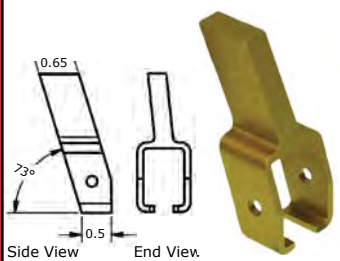
Aft RH P/N MC1414104-42



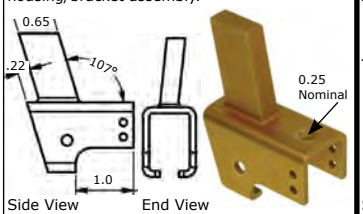
Aft LH P/N MC1414104-41



Fwd RH P/N MC1414104-40

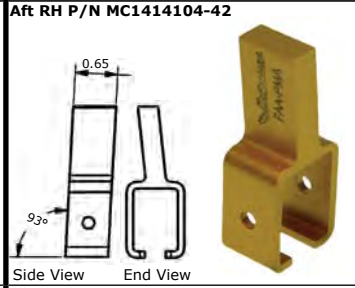


Fwd LH P/N MC1414104-39
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

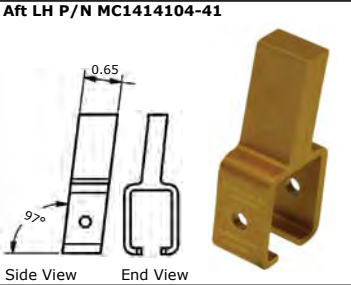


Group 2

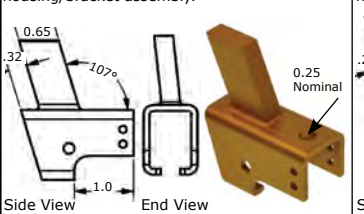
Aft RH P/N MC1414104-42



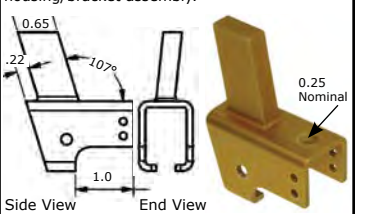
Aft LH P/N MC1414104-41



Fwd RH P/N MC1414104-61
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

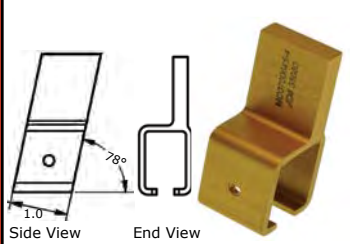


Fwd LH P/N MC1414104-39
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

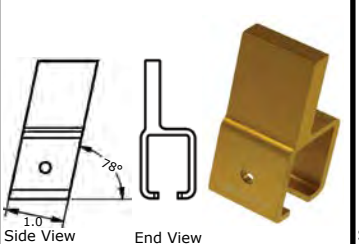


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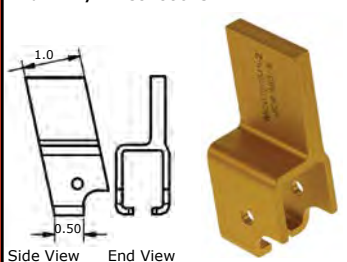
Aft RH P/N MC0700645-4



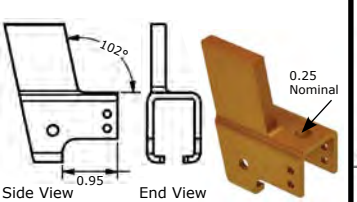
Aft LH P/N MC0700645-3



Fwd RH P/N MC0700645-2

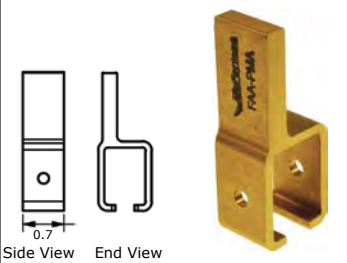


Fwd LH P/N MC0700645-1
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

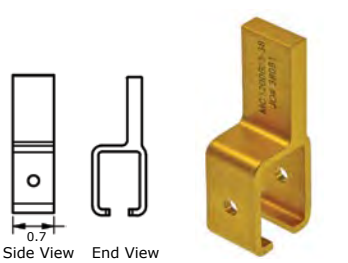


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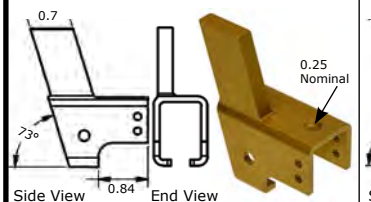
Aft RH P/N MC1200603-38



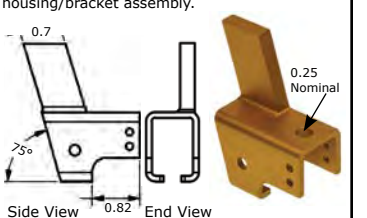
Aft LH P/N MC1200603-38



Fwd RH P/N MC1414104-65
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

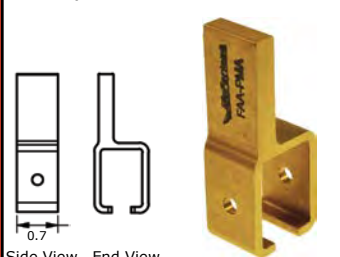


Fwd LH P/N MC1414104-67
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

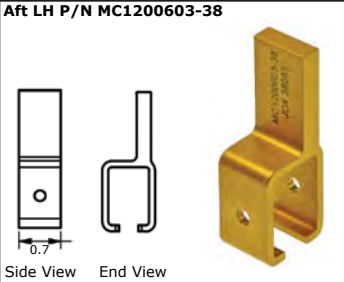


Group 5

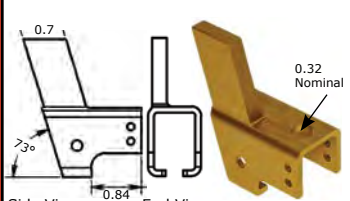
Aft RH P/N MC1200603-38



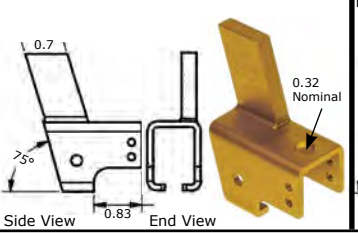
Aft LH P/N MC1200603-38



Fwd RH P/N MC1414104-72
P/N 2514044-2 bracket used with this housing is not available from McFarlane at this time.

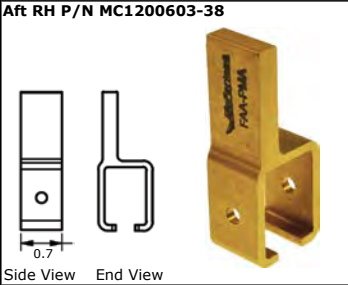


Fwd LH P/N MC1414104-71
P/N 2514044-2 bracket used with this housing is not available from McFarlane at this time.

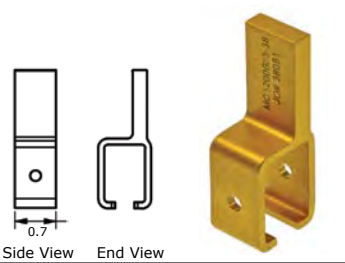


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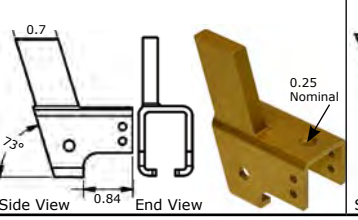
Aft RH P/N MC1200603-38



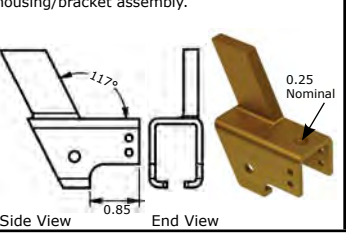
Aft LH P/N MC1200603-38



Fwd RH P/N MC1414104-65
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.



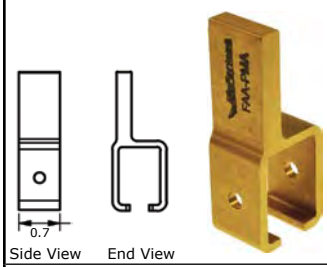
Fwd LH P/N MC1414104-25
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.



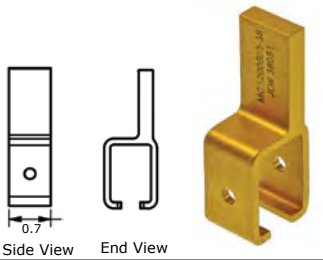
Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Group 7

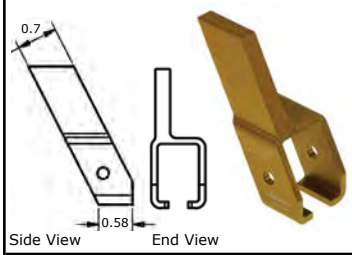
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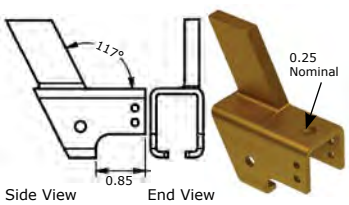
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Fwd RH P/N MC1414104-26

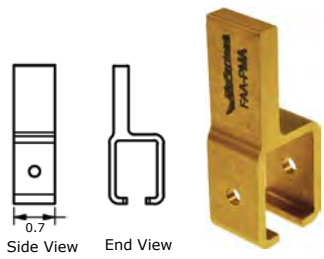


Fwd LH P/N MC1414104-25
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

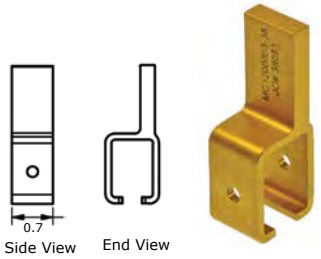


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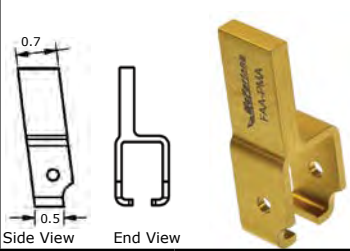
Aft RH P/N MC1200603-38



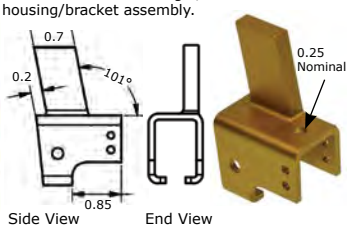
Aft LH P/N MC1200603-38



Fwd RH P/N MC1200603-42

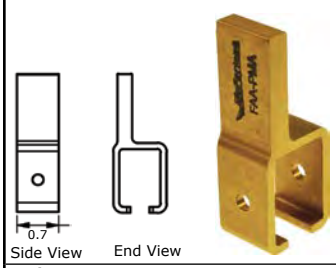


Fwd LH P/N MC1200603-41
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

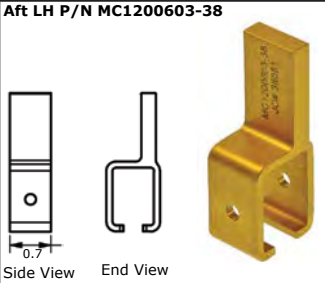


Group 9

Aft RH P/N MC1200603-38



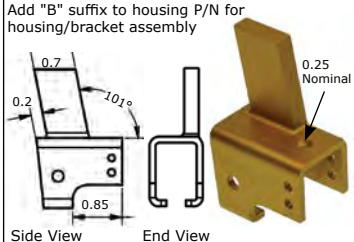
Aft LH P/N MC1200603-38



Fwd RH

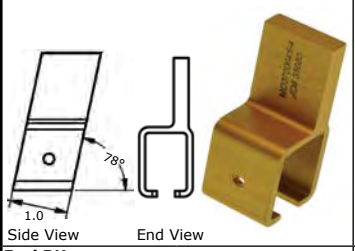
N/A

Fwd LH P/N MC1200603-41
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly

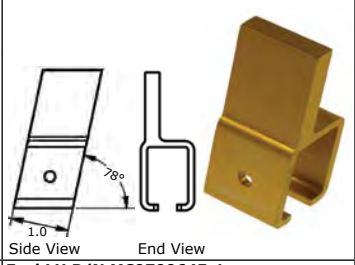


Group 10

Aft RH P/N MC0700645-4



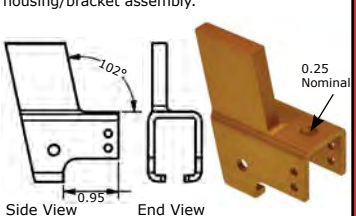
Aft LH P/N MC0700645-3



Fwd RH

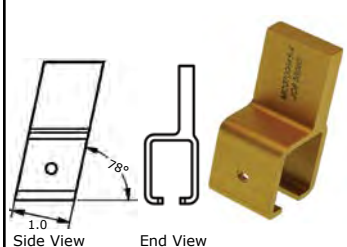
N/A

Fwd LH P/N MC0700645-1
P/N MC1414104-8 bracket available.
Add "B" suffix to housing P/N for housing/bracket assembly.

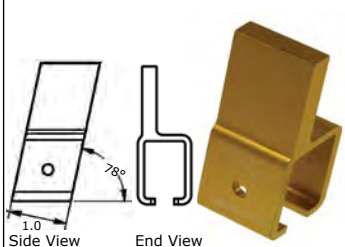


Group 11

Aft RH P/N MC0700645-4



Aft LH P/N MC0700645-3



Fwd RH

N/A

Fwd LH

N/A

Group 12

Aft RH P/N MC1714000-33



Aft LH P/N MC1714000-33



Fwd RH P/N MC1714000-33



Fwd LH P/N MC1714000-33



Group 13

Aft RH

N/A

Aft LH

N/A

Fwd RH P/N MC1714000-33



Fwd LH P/N MC1714000-33



Seat Roller Housing Gauge for Cessna Aircraft

Checks Cessna seat roller housing limits as per FAA AD 2011-10-09

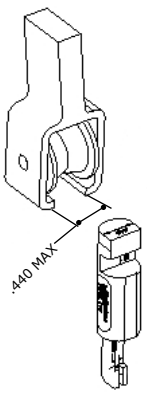
Our Seat Roller Housing Gauge is designed to inspect seat roller housing wear in Cessnas, as required by mandatory FAA AD 2011-10-09. This gauge simplifies determining if the housing is in or out of tolerance by allowing the areas of concern to be gauged, as opposed to measuring individual attributes on each seat roller housing with calipers. Do not use on welded/non-replaceable seat roller housings.

P/N TOOL110

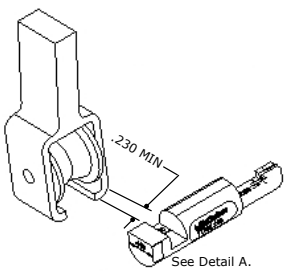
- Hardened Stainless Steel
- Save time! 10x faster than calipers
- Step by step instructions
- Measures all three dimensions without removing rollers

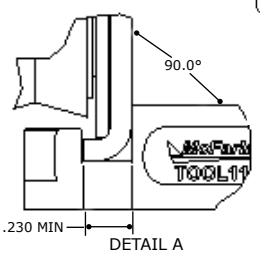


Step 1.
.440 gauge surfaces must not enter space between housing tangs.



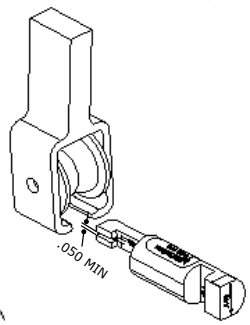
Step 2.
The bend area of the tang must not enter the space on the gauge marked .230. See Detail A.

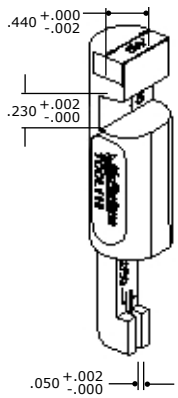




DETAIL A

Step 3.
The .050 space on the gauge must not fit on the worn area of the tang.





To calibrate; ensure gauge dimensions are within the tolerances shown above.

Seat Stops for Cessna Aircraft

McFarlane Seat stops are stronger than the originals!

Kits contain FAA-PMA and industry standard components


SSC-01
AeroTwin Seat Stop


SEAT STOP KIT 1


SEAT STOP KIT 2


SEAT STOP KIT 3

McFarlane Seat Stop Kits

McFarlane Seat Stop Kit Components		
SEAT STOP KIT 1		
Qty	**P/N**	**Description**
1	MC0713074-1	Seat Stop "U" Design
1	MS24665-132	Cotter Pin, 1/16" X 1/2"
1	MS20392-1C21	Clevis Pin
SEAT STOP KIT 2		
Qty	**P/N**	**Description**
1	MC0511242-1	Seat Stop "Bar Design"
1	MS35265-41	Screw
SEAT STOP KIT 3		
Qty	**P/N**	**Description**
1	MC0713074-1	Seat Stop "U" Design
1	MS24665-132	Cotter Pin, 1/16" X 1/2"
1	MS20392-1C21	Clevis Pin
2	NAS43DD1-9FC	Spacer

Model	Serial Number	Part Number	Mfg
150E[1],F[1]	15061273 thru 15063762	SSC-01	A
150F[1],G,H,J,K,L[1]	15063763 thru 15073658	Seat Stop Kit 3	M
		SSC-01	A
150L[1],M	15073659 thru 15079405	SSC-01	A
A150K,L[1]	A1500001 thru A1500342	Seat Stop Kit 3	M
A150L[1]	A1500343 thru A1500523	SSC-01	A
F150G,H,J,K,L[1]	F1500068 thru F15000863	Seat Stop Kit 3	M
FA150K,L[1]	FA1500001 thru FA1500166	Seat Stop Kit 3	M
172, 172A,B,C	28000 thru 17249544	Seat Stop Kit 1	M
		SSC-01	A
172D,E,F,G,H,I,K,L,M,N,P[1],Q	17249545 thru 17276516	Seat Stop Kit 2	M
F172M,N,P	F17200905 thru F17202238	Seat Stop Kit 2	M
FR172E,F,J,K	FR17200001 thru FR17200675	Seat Stop Kit 2	M
P172	P17257120 thru P17257188	Seat Stop Kit 2	M

Continued on next page

Seat Stops for Cessna Aircraft continued from previous page

Model	Serial Number	Part Number	Mfg
172P[1]	17276517 thru 17276673	Seat Stop Kit 1	M
F172P	F17202239 thru F17202254	Seat Stop Kit 1	M
R172K	R1722000 thru R1723454	Seat Stop Kit 2	M
172RG	172RG0001 thru 172RG1191	Seat Stop Kit 2	M
175, 175A,B,C	55001 thru 17557119	Seat Stop Kit 1	M
		SSC-01	A
177,A,B	17700001 thru 17702752	Seat Stop Kit 2	M
177RG	177RG0001 thru 177RG1366	Seat Stop Kit 2	M
180,A,B,C,D,E,F,G,H,J,K	30000 thru 18053203	Seat Stop Kit 1	M
		SSC-01	A
182,A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R	33000 thru 18268586	Seat Stop Kit 1	M
		SSC-01	A
F182P,Q	F18200001 thru F18200169	Seat Stop Kit 1	M
FR182	FR18200001 thru FR18200070	Seat Stop Kit 1	M
T182	18267716 thru 18268541	Seat Stop Kit 1	M
		SSC-01	A
R182/ TR182	R18200001 thru R18202041	Seat Stop Kit 1	M
		SSC-01	A
185,A,B,C,D,E	185-0001 thru 185-1149	Seat Stop Kit 1	M
		SSC-01	A
A185E,F	18501600 thru 18504448	Seat Stop Kit 1	M
188, 188A, A188, A188A	1880001 thru 18800832	Seat Stop Kit 1	M
		SSC-01	A
188B[1]	188002349 thru 18803846 188002349T thru 18803968T	Seat Stop Kit 1	M
		SSC-01	A
T188C	T18803297T thru T18803968T	Seat Stop Kit 1	
		SSC-01	A
Standard Seats			
188B	18800833 thru 18802348	Seat Stop Kit 1	M
		SSC-01	A
A188B[1]	18800967T thru 18802348T	Seat Stop Kit 1	M
		SSC-01	A
Infinitely Adjustable Seats			
188B	18800833 thru 18802348	Seat Stop Kit 2	M
		SSC-01	A
A188B[1]	18800967T thru 18802348T	Seat Stop Kit 2	M
		SSC-01	A
Pilot/Copilot & Middle Seats			
210-5 (205), 210-5A (205A)	205-0001 thru 205-0577	Seat Stop Kit 1	M
		SSC-01	A
Pilot/Copilot Seats			
206	206-0001 thru 206-0275	Seat Stop Kit 1	M
		SSC-01	A
U206,A,B,C,D, TU206A,B,C,D	U206-0276 thru U206-1444	Seat Stop Kit 1	M
		SSC-01	A
P206,A,B,C,D, TP206A,B,C,D	P206-0001 thru P206-0603	Seat Stop Kit 1	M
		SSC-01	A
U206E[1],F,G, TU206E[1] F,G	U20601588 thru U20607020	Seat Stop Kit 1	M
		SSC-01	A
Standard Pilot/Copilot Seats			
U206E[1], TU206E[1]	U20601445 thru U20601587	Seat Stop Kit 1	M
		SSC-01	A
P206E, TP206E	P20600604 thru P20600647	Seat Stop Kit 1	M
		SSC-01	A
Infinitely Adjustable Pilot/Copilot Seats			
U206E[1], TU206E[1]	U20601445 thru U20601587	Seat Stop Kit 2	M
		SSC-01	A
P206E, TP206E	P206-0604 thru P206-0647	Seat Stop Kit 2	M
		SSC-01	A
Middle Seats			
206, U206,A,B,C,D,E,F,G	206-0001 thru 206-0275	Seat Stop Kit 1	M
TU206A,B,C,D,E,F,G	U206-0276 thru U20607020	Seat Stop Kit 1	M
P206,A,B,C,D,E	P206-0001 thru P206-0647	Seat Stop Kit 1	M
TP206A,B,C,D,E	P206-0001 thru P206-0647	Seat Stop Kit 1	M

Continued on next page

Seat Stops for Cessna Aircraft continued from previous page

Model	Serial Number	Part Number	Mfg
Standard Pilot/Copilot Seats			
207[1], T207[1]	20700001 thru 20700215	Seat Stop Kit 1	M
		SSC-01	A
Infinitely Adjustable Pilot/Copilot Seats			
207[1], T207[1]	20700149 thru 20700215	Seat Stop Kit 2	M
		SSC-01	A
Pilot/Copilot Seats			
207A[1], T207A	20700216 thru 20700788	Seat Stop Kit 1	M
		SSC-01	A
Middle Seats			
207[1],A, T207[1],A	20700001 thru 20700788	Seat Stop Kit 1	M
		SSC-01	A
Pilot/Copilot Seats			
210,A,B,C,D,E,F, G,H,J,K,L,M,N	57001 thru 21064897	Seat Stop Kit 1	M
		SSC-01	A
210R	21064898 thru 21065009	Seat Stop Kit 1	M
T210	T210-0001 thru T210-0454	Seat Stop Kit 1	M
Middle Seat			
210K,L,M,N,R	21059200 thru 21065009	Seat Stop Kit 1	M
T210K,L,M,N,R	21059200 thru 21065009	Seat Stop Kit 1	M
P210N,R	P21000001 thru P210000867	Seat Stop Kit 1	M
Rear Seats			
210D,E,F,G,H,J	21058221 thru 21059199	Seat Stop Kit 1	M
T210	T210-0001 thru T210-0454	Seat Stop Kit 1	M
Pilot/Copilot Seats			
T210F,G,H,J	T2100001 thru T2100454	Seat Stop Kit 1	M
P210N	P2100001 thru P21000834	Seat Stop Kit 1	M
		SSC-01	A
P210R	P210000835 thru P210000867	Seat Stop Kit 1	M

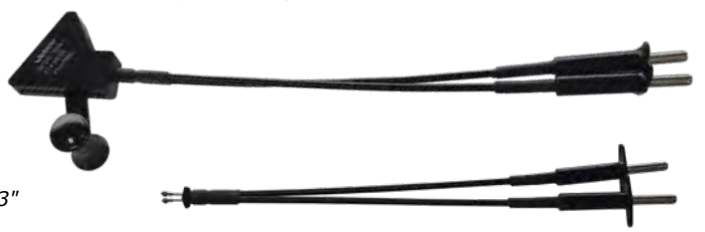
[1] Partial model eligibility

Manufacturer:
[A] Aero Twin, Inc.
[M] McFarlane Aviation Products

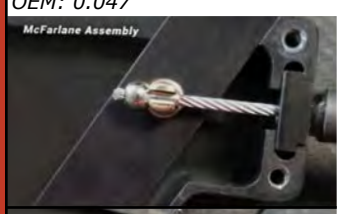
Seat Release Cable Assembly for Cessna Aircraft

FAA-PMA approved, improved design for long life!
P/N MCSPL1925-1 is used to lock the pilot and co-pilot seat into place on Cessnas produced after 1998

- Lifetime anodized aluminum housing — not cheapy plastic
- Cable terminal provides a minimum capacity increase of over 115% from OEM cable
- Nylon-lined wire conduit tubing ensures your cable will not bind
- Larger cable
- Repairable
- Save $$$

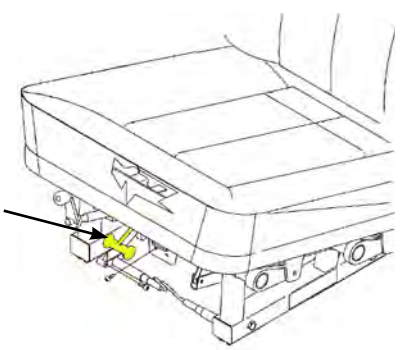


Thicker cable!
McFarlane: 0.063"
OEM: 0.047"





Repair assemblies available! Save $$$
P/N 7354



(2) required per aircraft

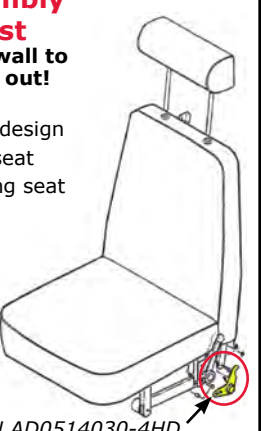
Model
172R,S
182S,T,T182T
206H
T206H

Bellcrank Assembly Seat Back Adjust

Heavy duty thicker wall to prevent roll pin tear out!
P/N AD0514030-4HD

- Robust, improved design
- Two required per seat
- For fully articulating seat
- FAA-PMA





P/N AD0514030-4HD

Model
172K,L,M,N,P,Q, R172K, 172RG
F172H,K,L,M,N, FR172G,H,J,K
177RG, 177B, F177RG
180H,J,K
182N,P,Q,R, R182, T182, TR182
F182P,Q, FR182
A185E,F
188B, A188B, T188C
U206E,F,G, TU206E,F,G, P206E, TP206E
207, 207A, T207, T207A
210K,L,M,N,R, T210K,L,M,N,R, P210N,R
337E,F, F337E,F,G,H, FT337E, FT337GP, FT337HP
T337F,G, P337H

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Seat Adjustment Springs for Piper Aircraft

Replacement springs just got more affordable!

- Direct replacement — no conversion kit required
- One required per bucket seat
- Avoid downtime and expense of repeated overhauls



Spring P/N MC587-404

Replacements for both styles now available

Gas Spring Style
P/N MC587-404



Adapter P/N MC37902-06

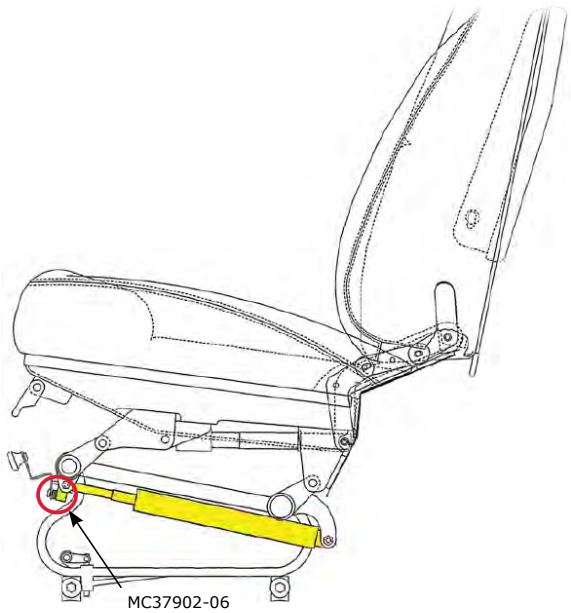


Spring P/N MC555-692

- Replaces Piper P/N 587-404 or 89178-010[3]
- Originals were manufactured by Stabilus Bloc-O-Lift or Gas Springs Corp Easy Lift
- M10x1 metric thread (~0.39 inch diameter)
- Adapter P/N MC37902-06 also available (threads on end of spring - see figure)

Coil Spring/Hydraulic Style
P/N MC555-692

- McFarlane replaces the old coil spring/hydraulic style with a gas spring
- Replaces Piper P/N 76445-000 or 555-692
- Originals were manufactured by P. L. Porter Hydrolok
- 3/8-24 UNF thread



Maintenance Tip:
Aircraft make, model and serial number are not sufficient to ensure the correct replacement spring as many aircraft may have been originally equipped with either one or retrofitted with a conversion kit. If the spring you are replacing is marked with a brand name (e.g. P.L. Porter or Stabilus) the correct replacement is readily identified. The coil spring/hydraulic style are also identifiable by a 1¼" diameter visible coil spring. The thread may also be measured to verify the correct identification.



Original Gas Spring Style



Original Coil Spring/Hydraulic Style

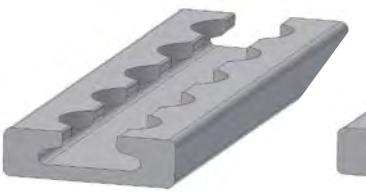
Save $$$

Model	Serial Number	Qty per A/C	Spring MC555-692 (3/8-24 thread)	Spring MC587-404 (M10x1 thread)	Adapter P/N MC37902-06
PA-28-140[1]	28-7425061 and On	2	4	2	2
PA-28-151	All	2	4	2 3	2 3
PA-28-161	2816001 thru 2816119	2	4	2	2
	2841001 thru 2842999	2		2	2
	28-7716001 thru 28-7716073	2	4	2 3	2 3
	28-7716074 thru 28-8616057	2	4		
PA-28-180[1]	28-7405035 and On	2	4	2	2
PA-28-181	2843001 thru 2843999	2		2	2
	2890001 thru 2890205	2	4		
	2890206 thru 28-7790358	2	4	2	2
	28-7790359 thru 28-8690062	2	4		
PA-28-201T	All	2		•	•
PA-28-235[1]	28-7410027 thru 28-7710089	2	4	2	2
PA-28-236	All	2		•	•
PA-28R-200[1]	28R-7435035 thru 28R-7635545	2	4	2	2
PA-28R-201	2837001 thru 2837061	2	4	2	2
	2844001 thru 2844999	2		2	2
	28R-7737002 thru 28R-7837317	2	4	2	2
PA-28R-201T	All	2	4	2	2
PA-28RT-201T	All	2		•	•
PA-32-260[1]	32-7400001 thru 32-7800008	2	4	2	2
PA-32-300[1]	32-7440001 thru 32-7940290	2	4	2	2
PA-32-301, 301T	All	2		•	•
PA-32R-300	All	2	4	2	2
PA-32R-301, 301T	All	2		•	•
PA-32RT-300, 300T	All	2		•	•
PA-34-200[1]	34-7450033 thru 34-7450220	2	4	2	2
PA-34-200T	All	2	4	2	2
PA-34-220T	All	2		•	•
PA-44-180, 180T	All	2		•	•
PA-46-310P	All	4		•	•
PA-46-350P	4622001 thru 4622200	4		•	•
	4636001 thru 4636999	6		•	•
PA-46-500TP	All	4		•	•
PA-46R-350T	All	4		•	•

[1] Partial model eligibility
[2] When equipped with Piper P/N 587-404 or 89178-010. This includes seats converted per Piper Service Letter 813 using Piper kit number 761 103V, 761 104V or 761 105V.
[3] Some Piper parts catalogs do not list part number 587-404 separately, but list an assembly part number of 89178-010 instead. McFarlane P/N MC587-404 replaces the spring component of this assembly and adapter P/N MC37902-06 replaces the block.
[4] When equipped with Piper P/N 76445-000 or 555-692.

Brownline Style Seat Tracks/Cargo Tracks

- Perfect for homebuilt or experimental projects
- Slotted extrusion with 0.785" diameter openings every one inch
- Precision machined and quality controlled
- Aerospace grade 7075-T6511 aluminum with full traceability
- Compatible with common MS33601 cargo tie down and seat stud fittings (see below)



P/N 6656 Series

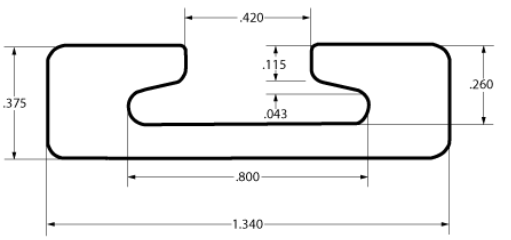


P/N STE105

Standard Lengths
P/N 6656-L (L = the minimum length in inches)
Anodized for corrosion protection.
Available in 6, 12, 18, 24, 36, 48, 72, 96, 120, 144, 160, and 179 inch lengths.

P/N STE105
Slotted extrusion without machined 0.785" diameter openings. Non-anodized. Available by the inch.

Custom Tracks
Custom lengths and machining available.
Call for details.



Filler Strip for Brownline Style Track

P/N FE200751

- Provides a finished look
- Keeps debris out of the track
- May be cut to length, sold in 25 ft. roll





Brownline Style Anchor Plate

P/N 40000-11

- For use with single stud fittings
- Small and low profile, providing damage protection to cargo and baggage
- An ideal way to support single location fastening of nets, straps, or other equipment
- NSN Number 1560-01-286-1030
- Aluminum alloy, anodized



Working load limit:
4000 lbs @ 0° vertical pull
2000 lbs @ 90° horizontal pull

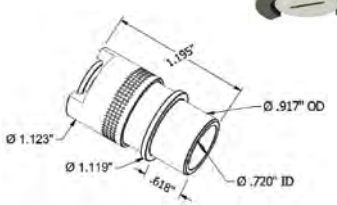
Manufactured by Ancra International

Chair Leg Stud Quick Release Anchor

P/N MC41528-14

- Use with Brownline style track
- Spring loaded fitting snaps securely into place and can be easily moved to different positions
- Designed to mate with 1" O.D. 0.035" wall tube or a 0.720" O.D. stud
- 7075 Aluminum



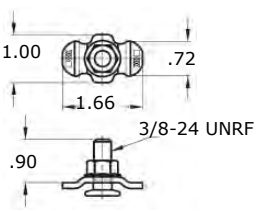




Threaded Single Stud Fitting with Nut for Brownline Style Track

P/N FE200744
Material: Carbon Steel
Finish: Zinc Plated
Working Load Limit:
5000 lbs @ 0° vertical pull
2000 lbs @ 90° horizontal pull





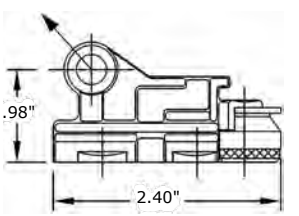
Manufactured by Kinedyne Corporation

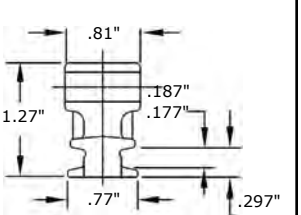
Rear Leg Seat Fitting

P/N 42854-11

- Compatible with Brownline style track
- 8000 lb load capacity at 48° angle from horizontal
- Cad plated with teflon coating
- Weight .24 lb







Cargo Tie Down Fittings for Brownline Style Track

- Use with Brownline style track (McFarlane P/N series 6656) or other MS33601 compatible track - sometimes called L-track
- Perfect for net or strap restraint applications
- Spring loaded fitting snaps securely into place and can be easily moved to different positions


P/N 32401


P/N 40340-20


P/N 40340-21


P/N 47981-10


P/N 47981-11


P/N 32505


P/N 32507

P/N	Description	Fig	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	0° Vertical Working Load Limit lbs.	90° Horizontal Pull Angle Working Load Limit lbs.
32401	Single Stud Fitting with Ring	1	1.99	0.93	1.18	0.19	0.63	1.23	1333	1000
40340-20 1	Single Stud Fitting with Ring	1	1.87	0.87	1.12	0.19	0.71	1.43	1000	500
40340-21 1	Single Stud Fitting with D-Ring	2	2.00	1.09		0.19	0.71	1.43	1000	500
47981-10	Double Stud Fitting with Round Ring	3	1.75	2.32	2.34	0.31	0.76		10000	5000
47981-11	Double Stud Fitting with Twisted Ring	4	1.56	2.32	3.76	0.27	0.76		5000	5000
32505 3	Triple Stud Fitting without Ring	5	1.12	0.90	2.60				2167	1670
32507 3	Triple Stud Fitting with Pear Shaped Ring	6	1.12	0.90	1.16	0.25	4.90		2000	1670

1 NSN Number 1670-01-243-8877
2 NSN Number 1670-01-261-0567
3 60° Pull angle working load limit = 2000 lbs.

Manufactured by Ancra International

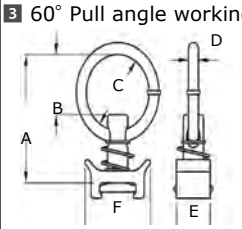


Figure 1

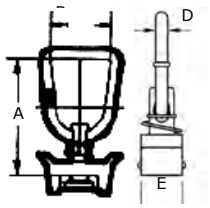


Figure 2

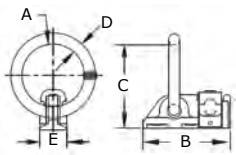


Figure 3

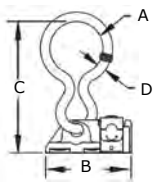


Figure 4

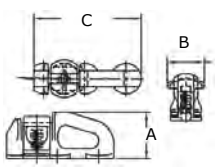


Figure 5

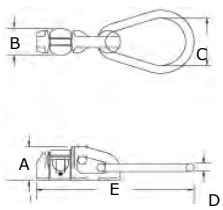


Figure 6

12-Jaw Seat/Cargo Tie Down Quick Disconnect Adapters and Studs

- Spring loaded ring locks jaws around stud, and spring loaded lock pin prevents accidental release
- Use with seat cargo studs shown below. Also works with any MS21234, MS21235 and AM7516 style seat/cargo attach fittings


P/N 4015C08B


P/N 33115


P/N 33116


P/N 32334


P/N 32367


P/N 32336


P/N 32340


P/N 32343


P/N 32326


P/N 4015C08A

P/N	Description	Fig	A (in.)	B (in.)	C (in.)	D (in.)	0° Vertical Breaking Strength lbs.	90° Pull Angle Breaking Strength lbs.
33115	12-Jaw, Threaded Stud, 1” x 3/8-24UNF Threaded Stud	1	2.26	1.00			5475	2300
33116	12-Jaw, Threaded Stud, 3/4” x 3/8-24UNF Threaded Stud	1	2.01	0.75			5475	2300
32326	12-Jaw, Ring	2	2.85	1.13	0.25	1.31	5475	2300
32334 1	12-Jaw, Chair Leg Stud, 0.85"	3	2.16	0.90	0.85		N/A	2300
32336 2	12-Jaw, Chair Leg Stud, 0.88" with 1/4" Hole	4	2.16	0.90	0.88	0.25	5475	2300
32340 3	12-Jaw, Chair Leg Stud, 0.85" with 1/4" Hole	4	2.16	0.90	0.85	0.25	5475	2300
32343	12-Jaw, D-Ring	5	2.82	1.10	2.01	0.25	5475	2300
32367 4	12-Jaw, Chair Leg Stud, 0.75" with 1/4" Hole	4	2.32	1.06	0.75	0.25	5475	2300
4015C08A	Stud, Quick Disconnect, SS, 1/4-20, Hex Drive	6	0.628	0.60	0.625			
4015C08B	Stud, Quick Disconnect, SS, 1/4-20, Slot Drive	7	0.628	0.60				
4015C12A	Stud, Quick Disconnect, SS, 3/8-24, Hex Drive	6	0.628	0.60	0.625			
4015C12B	Stud, Quick Disconnect, SS, 3/8-24, Slot Drive	7	0.628	0.60				

1 Replaces MS22034-1B 2 Replaces MS22034-2 3 Replaces MS22034-1 4 Replaces MS22034-3

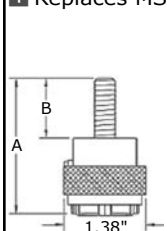


Figure 1

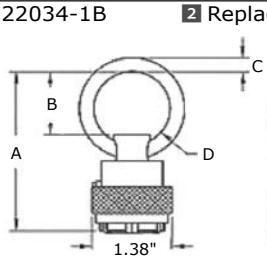


Figure 2

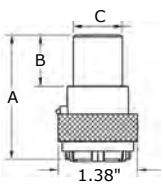


Figure 3

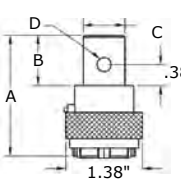


Figure 4

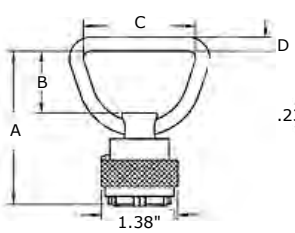


Figure 5

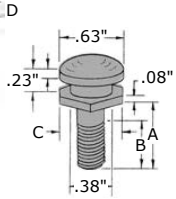


Figure 6

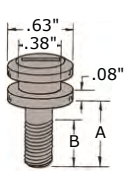


Figure 7

Cargo and Seat Components

Cargo Tie Downs

- Clamps to seat rails to provide tie down points to secure cargo
- 4 required per every 100 lbs of cargo
- Anodized aluminum for durability
- FAA-PMA/STC

Note: This product is not to be used as a seat stop







Manufactured by F Atlee Dodge

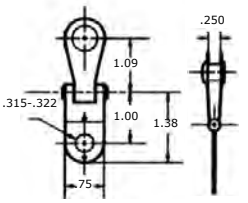
Aircraft Make	Model	Color	P/N
Cessna	208, 208A, and 208B	Green	TDC-208
Piper	PA31, PA31-300,-325,-350, PA31P, PA31P-350, PA31-T, PA31-T1,T2,T3	Blue	TDP-31

Seat Belt Shackles

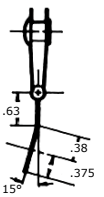
P/N 41713-10 and 41713-11

- High strength, low profile design
- Made especially for today's lightweight seats
- Stainless steel, cad plated
- Meets the load requirements of NAS 809 Paragraph 4.1.3





P/N 41713-10



P/N 41713-11

Folding Front Seat Kit for PA-18, PA-19 Series

Makes entry and loading much easier

P/N 3186

FAA-PMA/STC





Manufactured by F Atlee Dodge

Seat Feet for Beechcraft Queen Air, King Air and Airline

Part Number	Aircraft Model
CA100-530448-5	C90,C90A,C90(SE),E90,F90,A100,B100,200, 200T, 200C,200CT,B200,B200C,B200CT
CA100-530448-7	C90,C90A,E90,F90,A100,B100,200,200T, 200C, 200CT,B200,B200C,B200CT
CA50-534436-5	65,80,A80,88,90,A90,99,99A,A99A,B90, B99,C99, 100,A100,B100



P/N CA100-530448-5



P/N CA100-530448-7



P/N CA50-534436-5

Save up to 70%

Manufactured by PMA Products

Heavy Duty Seat Back Frame

Less tendency to wear out!

P/N 3226

206 Series aircraft

Replaces P/Ns 1214012-1 and 1214012-4



Manufactured by F Atlee Dodge

Safari Seat for PA-18 and PA-19

P/N 6151

Easily installed and removed

Clamps in and designed for easy removal with quick release pins.

Weight saver

Lightweight folding rear seat saves 10 pounds over existing seat.

STC-PMA

Saves 10 lbs!



Manufactured by F Atlee Dodge

Folding Rear Seats

Convert from people to cargo quickly!

Left P/N 3187L, right P/N 3187R

FAA-PMA/STC replaces the existing bench seat and increases the flexibility and utility of your airplane. Seats can be independently folded forward, stowed to the side, or removed in minutes to allow cargo and passenger configurations.

- Easy access to baggage
- Easier access to the tail cone for maintenance
- Increased payload! About 20 lbs lighter than the original bench seat

20 Pounds Lighter!



Frees wasted space

The original bulky seats take 2x the floor space compared to the compact and comfortable folding seats.

- 50% more baggage space
- More leg room

Convenient installation kit

Seats are sold in pairs (left and right) with all required installation hardware, including mounting tracks that attach to the floor and side door frame. (Seat belts, upholstery, cushioning, and stowage straps/bungees not included).

Upholster to match your interior

This is not a "jump seat" or "utility seat". You don't have to sacrifice comfort and style. Seats provide room for a cushion and upholstery up to 2 inches thick. Match your interior for an attractive and comfortable finish.

Manufactured by F Atlee Dodge

Aircraft Model	P/N
170, 170A,B	3187
172, 172A,B,C,D,E,F, G,H,I,K,L,M,N,P,Q,R,S	3187
175, 175A,B,C	3187
180, 180A,B,C,D,E, F,G,H,J,K	3187
182, 182A,B,C,D	3187
182E,F,G,H,J,K,L, M,N,P,Q,R,S,T	3187-182E
185, 185A,B,C,D,E, A185E,A185F	3187-182E

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



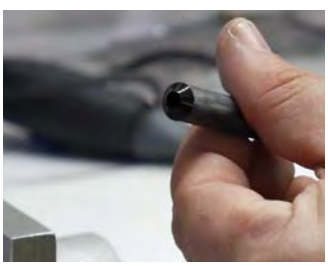
Door Cables

FAA-PMA approved for certified aircraft, or we have custom options available! Our approved cables fit many aircraft, including Cessna, Piper, and Beechcraft. For custom projects, McFarlane offers a variety of color options and hardware configurations. Our pre-formed, stainless steel aicraft cables are sealed with silicone rubber that is easy to clean, will not crack due to wear or climate changes, does not separate from the cable, and remains pliable for easy opening and closing of aircraft doors.

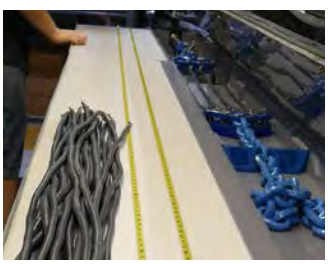


Custom door cables are not FAA-PMA approved. The user must obtain proper FAA approvals to use our custom cables on certified aircraft. Fill out our design form online and email to our customs team. For additional information and questions, contact our customs department 866-920-2741, ext. 289 or email customparts@mcfarlaneaviation.com









Our Door Cables are hand-crafted in-house. We cut aircraft cable to length, swage hardware, apply the silicone covering, and inspect each cable for strength. Our leading-edge inspection benches ensure that each cable is tested to follow MIL-spec standards for proof loading. You can find our McFarlane Door Cables installed on new Textron aircraft from the factory! We stock FAA-PMA approved Door Cables for Cessna, Piper, Beechcraft, and Learjet. We also offer custom Door Cables to your specified length, color, and hardware requirements.

Choose a color to match your interior!



Silicone Covering Color Chart	
Description	**Color Suffix**
Dark Black (matte) Fed Spec 17038	**-DKBK2**
Dark Black (semi-gloss) Fed Spec 17038	**-DKBK1**
Black Fed Spec 27038	**-DKBK0**
Dark Gray Fed Spec 26008	**-DKGY0**
Dark Gray Fed Spec 36173	**-DKGY1**
Light Gray Vendor Color #K76169	**-LTGY1**
White Fed Spec 37150	**-LTWT0**
Gray Pantone 409C	**-LTGY0**
Butternut/Brown Fed Spec 30145	**-MDBN0**
Green Pantone 5783U	**-LTGN0**
Translucent (no color)	**-LTTL0**

Door Cables for Cessna, Piper, and Beechcraft

Save $$$

Pre-stretched, silicone covered aircraft cables are easy to clean, will not crack due to wear or climate changes, does not separate from the cable and remains pliable for easy opening and closing of aircraft doors.

- Hand-crafted with the highest quality standards.
- FAA-PMA Approved
- New color options

See color chart on previous page for color reference



Cable Specs		
P/N	Length	End Type
31-25	31.25″	Eye/Stud
32-75	32.75″	Eye/Stud
47-625	47.625″	Eye/Stud
48-75	48.75″	Stud/Stud
49-75	49.75″	Eye/Stud
50-00	50.00″	Stud/Stud
51-00	51.00″	Eye/Stud
51-00(303)	51.00″	Eye/Fork
56-00	56.00″	Eye/Stud

Cessna Caravan			
Model	P/N	Location	Color
208, 208B	S2837-1EH	Passenger Door Step, Lower	LTGN0
	S2837-2EH	Passenger Door Step, Lower, (Float Plane)	LTGN0
	S2814-1EH	Cargo Door Pull, Upper	LTGN0
	S2814-2EH	Passenger Door Pull, Upper	LTGN0

Cessna Twins				
Model	Serial Number	Lower Cabin Door Forward	Lower Cabin Door Aft	Cargo Door Fwd & Aft
T303	T30300001 thru T30300247	51-00(303)		
340A	340A0201 thru 340A0600	32-75	31-25	
	340A0601 thru 340A1800	32-75 1, 51-00 2	31-25 1, 49-75 2	
	340A1801 and on 3	48-75	50-00 3	
402C	402C0001 thru 402C0200	32-75 1, 48-75 2	32-75 1, 50-00 2 3	31-25 9
	402C0201 thru 402C0800	51-00 1 4, 32-75 1 5, 48-75 2 3	49-75 1 4, 32-75 5, 50-00 2 3	31-25 9
	402C0801 and on	48-75 3	50-00 3	31-25 9
404	404-0401 thru 404-0600	32-75	32-75	32-75 9
	404-0601 and on	49-75	49-75	32-75 9
414	414-0001 thru 414-0900	56-00	47-625	
	414-0901 and On		47-625	
414A	414A0201 thru 414A0400	31-25 1, 48-75 2	31-25 1, 48-75 2	
421A	All		47-625 6	
421B	421B0001 thru 421B0970		47-625	
421C	421C0001 thru 421C0200		47-625	
	421C0601 thru 421C1000	31-25 1, 48-75 2	31-25 1, 48-75 2	
	421C1001 thru 421C1400	51-00 1, 48-75 2	51-00 1, 48-75 2	
	421C1401 and on	48-75	48-75	
425	425-0002 thru 425-0176	49-75 7, 50-00 3 8	49-75 7, 50-00 3 8	
	425-0177 and on	50-00 3	50-00 3	
441	441-0071 thru 441-0224	32-75	31-25	
	441-0225 thru 441-0311	49-75 7, 50-00 3 8	49-75 7, 50-00 3 8	
	441-0312 and on	50-00 3	50-00 3	

1 For aircraft incorporating SK421-117
2 For aircraft NOT incorporating SK421-117
3 Eligibility for this aircraft is currently under review.
4 Used with pneumatic extender
5 Used without pneumatic extender
6 Eligibility for this aircraft is currently under review.
7 For aircraft incorporating SK441-71
8 For aircraft NOT incorporating SK441-71
9 This cable is used at both the forward and aft location

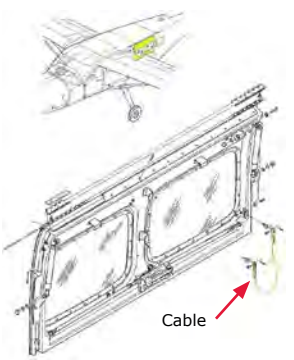
Superseded P/Ns	
Cessna	Aero-Cables
10888	51-00 (T303)
5111508-59	47-625
5111561-22	56-00
71540-1	32-75
71540-10	50-00
71540-2	31-25
71540-3	51-00
71540-4	49-75
71540-6	49-75
71540-7	51-00
71540-8	49-75
71540-9	48-75



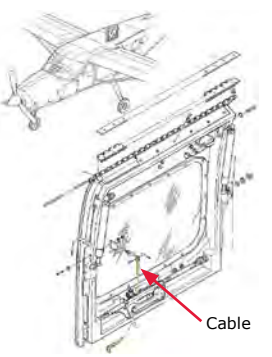
Don't settle for the factory color!

Choose a color to match your interior

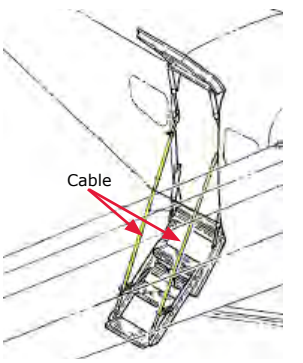
Standard color is indicated for each part number. Add the appropriate color suffix to the P/N to order a different color.

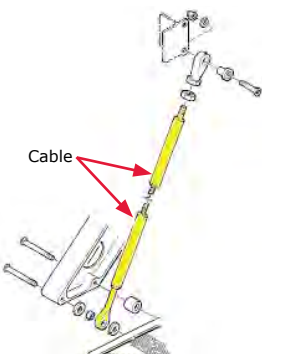


S2814-1EH Installation



S2814-2EH Installation





S2837-1EH or S2837-2EH Installation

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Door Cables for Cessna, Piper, and Beechcraft

Save $$$

Pre-stretched, silicone covered aircraft cables are easy to clean, will not crack due to wear or climate changes, does not separate from the cable and remains pliable for easy opening and closing of aircraft doors.

- Hand-crafted with the highest quality standards.
- FAA-PMA Approved
- New color options



P/N 50000-MDBN0



P/N 48500-LTTL0



See color chart on previous pages for color reference

Cable Specs		
P/N	Length	End Type
227	22.70″	Fork/Stud
236	23.60″	Stud/Stud
30250	30.25″	Eye/Stud
31125	31.125″	Eye/Fork
31750	31.75″	Eye/Fork
40250	40.25″	Fork/Stud
41250	41.25″	Fork/Stud
48500	48.50″	Eye/Stud
50000	50.00″	Eye/Stud
70000	70.00″	Stud/Stud
73000	73.00″	Stud/Stud
SP31125	31.125″	Eye/Fork
SP31750	31.75″	Eye/Fork

Superseded P/Ns	
Piper	A/C
01679-003	41250
01679-004	30250
250039-001	SP31125
250039-501	SP31750
250039-503	31125
250039-505	31750
44523-003	48500
44523-004	50000
44562-000	227
44563-000	236
44563-000	330
47716-004	70000
47716-005	73000
72930-009	40250

Piper Twins

Model	Serial Number	Cabin Door Step Support	Cabin Entrance Door	Cargo Door		Other Locations
				Upper	Lower	
PA-31-300	31-228 thru 31-511		48500 (rear)	227	236[1]	
PA-31-310	31-5 thru 31-104			227	236[1]	
PA-31-310	31-105 thru 31-900, 31-7300901 and on		48500 (rear)	227	236[1]	
PA-31-310	31-8312001 to 31-8312019		50000 (front), 48500 (rear)	227	236[1]	
PA-31-325	31-7400990 thru 31-8212036		48500 (rear)	227	236[1]	
PA-31-325	31-8312001 thru 31-8312019		50000 (front), 48500 (rear)	227	236[1]	
PA-31-350	31-5001 thru 31-8252085		48500 (rear)	227	236[1]	
PA-31-350	31-8352001 and on		50000 (front), 48500 (rear)	227	236[1]	
PA-31T	31T-7400002 thru 31T-8120061	73000 (fwd), 70000 (aft)[3]				40250
PA-31T	31T-8120062 and on	73000 (fwd), 70000 (aft)[3]	41250 (lower)[4], 30250 (upper)[4]			40250
PA-31T1	31T-1104004 thru 31T-8304003	73000 (fwd), 70000 (aft)[3]	41250 (lower)[4], 30250 (upper)[4]			40250
PA-31T2	31T-1166001 thru 31T-8166076	73000 (fwd), 70000 (aft)[3]	41250 (lower)[4], 30250 (upper)[4]			40250
PA-42	48-7800001 thru 48-8001035	73000 (fwd)				40250
PA-60-600	All					SP31125[6], SP31750[6]
PA-60-601P, 602P, 700P	All					31125[5], 31750[5] SP31125[6], SP31750[6]

[1] Cable with link
[2] Cable without link
[3] Used if cargo door is NOT installed
[4] Used if cargo door is installed
[5] Used on pressurized aircraft
[6] Used on non-pressurized aircraft

Don't settle for the factory color!

Choose a color to match your interior

Standard color is indicated for each part number. Add the appropriate color suffix to the P/N to order a different color.

Door Cables for Cessna, Piper, and Beechcraft

Save $$$

Pre-stretched, silicone covered aircraft cables are easy to clean, will not crack due to wear or climate changes, does not separate from the cable and remains pliable for easy opening and closing of aircraft doors.

- Hand-crafted with the highest quality standards.
- FAA-PMA Approved
- New color options



Don't settle for the factory color!

Choose a color to match your interior

Standard color is indicated for each part number. Add the appropriate color suffix to the P/N to order a different color.



P/N 2375-LTTL0



P/N 2300-MDBN0



P/N 27600-DKGR0

Cable Specs		
P/N	Length	End Type
1528	15.37"	Fork/Stud
1790	17.90"	Fork/Fork
2100	21.00"	Fork/Fork
2170	21.70"	Eye/Stud
2275	22.70"	Eye/Fork
2300	22.60"	Fork/Stud
2375	23.60"	Fork/Fork
3437	34.40"	Fork/Fork
3636	36.36"	Fork/Fork
3904	39.04"	Fork/Fork
6800	68.00"	Eye/Fork
6900	68.80"	Fork/Fork
7225	72.39"	Fork/Short Stud
7310	73.10"	Fork/Fork
7405	74.05"	Fork/Stud
7525	75.27"	Fork/Short Stud
7600	76.00"	Fork/Fork
7618	76.18"	Fork/Stud
3750 (CABLE)	37.62"	Fork/Fork
6300 (CABLE)	63.00"	Eye/Fork

Superseded P/Ns	
Beech	Aero-Cables
132427-A40	7525
132538-A13	6300 (CABLE)
132538-A18	2170
132538-A19	2375
132538-A20	6900
132538-A21	2300
132538-A28	7600
132538-A29	7310
132538-A3	6800
132538-A30	2100
132538-A32	1790
132538-A34	1528
132538-A37	3904
132538-A4	2275
132538-A41	3750 (CABLE)
132538-A42	7225
132538-A43	3437
1440-13	6300 (CABLE)
1440-18	2170
1440-19	2375
1440-20	6900
1440-21	2300
1440-28	7600
1440-29	7310
1440-3	6800
1440-30	2100
1440-32	1790
1440-34	1528
1440-35	7618
1440-36	7405
1440-37	3904
1440-38	3636
1440-4	2275
1440-40	7525
1440-41	3750 (CABLE)
1440-42	7225
1440-43	3437

Beechcraft: Handrail and Door Support Cables

Model	Serial Number	Cabin Door		Handrail			Airstair Door	Other Locations
		Upper	Lower	Fwd Lower	Aft Upper	Aft Lower		
65	LC-15 and on	6800	2275					
65-80,-A80,-B80,-88, -90,-A90,-B90	All	6800	2275					
C90	LJ-685 thru LJ-1010	6900	2375					
C90, C90A	LJ-1011 thru LJ-1287				6900	2375		
C90A	LJ-1288 thru LJ-1755			2300[1]	6900	2375		
E90	LW-179 and on	6900	2375					
F90	All				6900	2375		
100	B-2 thru B-51	6800	2275					
100, A100, B100	B-52 and on	6900	2375					
B200, B200T	All			2300	6900	2375		7618, 7405, 3904, 3636
B200C, B200CT							6300[7], 2375[2]	
300, 300LW					6900	2375		
B300	All			2300	6900	2375		
B300C	All						6300[7], 2375[2]	
1900, 1900C	All						7600[3], 7310[4], 2100[5], 1790[6], 1528[6]	7525, 3750, 7225, 3437

[1] Except for S/Ns LJ-1289 thru LJ-1294, and LJ-1296 thru LJ-1299
[2] Lower
[3] Fwd Door, Fwd and Aft
[4] Aft Door, Fwd and Aft
[5] Fwd and Aft Door, Aft
[6] Fwd and Aft Door, Fwd
[7] Upper

See color chart on previous pages for color reference

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cabin Door Hinges for Cessna 170, 172, 175

- FAA-PMA approved welded design
- Thicker alloy steel
- Heat-treated for extra strength and wear resistance
- Precision pin holes for longer life
- Straight or bent hinges available
- Pre-drilled and epoxy primed

Cabin Door Hinge Pin

Don't trust those old brass pins!

- Fast door removal — makes cabin maintenance easier!
- FAA-PMA approved design 5x stronger with stainless steel
- Easy to inspect secure safety pin design

Now available! Complete Hinge Kit

Hinge Kit Components P/N CHDHP-KT-1	
P/N	**Qty**
7205-1.63D	1
7205-1.63U	1
7205-2.00U	2

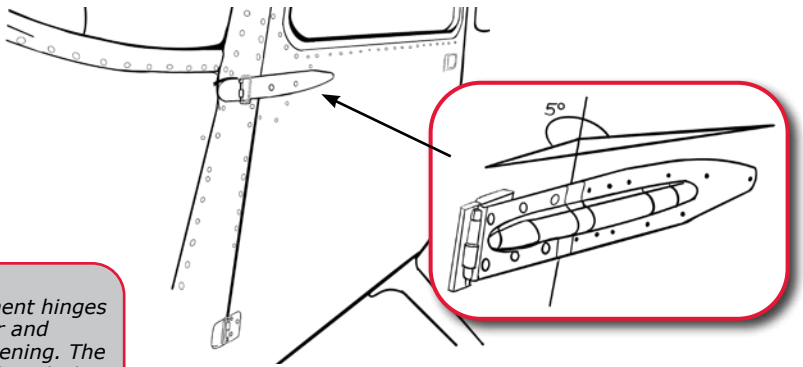


Bent or Straight?

Ensure the right fit for your Cessna!

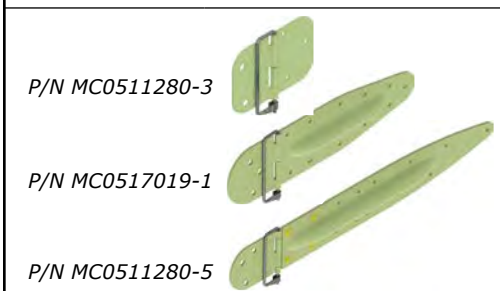
Cessna legacy airplanes, built prior to 1979, feature a door post skin that angles inward (toward the front edge of the door, as seen in the figure). Aircraft with this bend require a hinge with a 5° bend for correct installation. Later models and new production aircraft do not have this inward angle and use a straight hinge.

McFarlane manufactures both bent and straight hinges. **We HIGHLY recommend verifying your door hinges before ordering.** When in the field, replicating the 5° bend from a straight hinge is very difficult and rarely correct. Let us take away the worry and provide you with the correct hinges today!



Maintenance Tip for Door Hinge Replacement:
To install new hinges, temporarily attach the replacement hinges to the door using temporary fasteners. Install the door and hinge pins. Verify the door alignment with the door opening. The leading edge of the door should be approximately flush with the adjacent door post skin. Minor bends can be made to the upper hinges to perfect the door fit.
ICA www.mcfarlaneaviation.com/media/documents/doc-7089.pdf

180 and 200 series on next page!



Aircraft	Serial Number	Hinge Pin: Upper LH 7205-1.63U [2]	Hinge Pin: Upper RH 7205-1.63D [2]	Hinge Pin: Lower 7205-2.00U [2]	Door Hinge Half: Upper Fwd LH MC0511237-1 [3]	Door Hinge Half: Upper Fwd RH MC0511237-2 [3]	Door Hinge Half: Upper Aft LH MC0511238-7 [4]	Door Hinge Half: Upper Aft LH MC0511238-3 [5]	Door Hinge Half: Upper Aft LH MC0511238-9 [4 6]	Door Hinge Half: Upper Aft RH MC0511238-8 [4]	Door Hinge Half: Upper Aft RH MC0511238-4 [5]	Door Hinge Half: Upper Aft RH MC0511238-10 [4 6]	Door Hinge Half: Lower Fwd LH MC0511239-1	Door Hinge Half: Lower Fwd LH MC0517019-5 [3]	Door Hinge Half: Lower Fwd LH MC2417002-1 [3]	Door Hinge Half: Lower Fwd RH MC0511239-2	Door Hinge Half: Lower Fwd RH MC0517019-6 [3]	Door Hinge Half: Lower Fwd RH MC2417002-2 [3]	Door Hinge Half: Lower Aft LH MC0511239-3	Door Hinge Half: Lower Aft LH MC0517019-3	Door Hinge Half: Lower Aft RH MC0511239-4	Door Hinge Half: Lower Aft RH MC0517019-4	Door Hinge Assembly: Upper LH MC0511280-5 [4]	Door Hinge Assembly: Upper LH MC0511106-106 [4]	Door Hinge Assembly: Upper RH MC0511280-6 [4]	Door Hinge Assembly: Upper RH MC0511106-107 [4]	Door Hinge Assembly: Lower LH MC0511280-3	Door Hinge Assembly: Lower LH MC0517019-1	Door Hinge Assembly: Lower LH MC2417003-1	Door Hinge Assembly: Lower L/R MC0411579-4	Door Hinge Assembly: Lower RH MC0511280-4	Door Hinge Assembly: Lower RH MC0517019-2	Door Hinge Assembly: Lower RH MC2417003-2
170, 170A,B [1]	18000 thru 26995	•	•	•																			•		•				•			
170B [1]	26996 and on	•	•	•	•	•	•	•	•	•	•	•	•			•							•		•	•				•		
172, 172A,B,C,D, E,F,G,H,I,K,L,M [1]	28000 thru 17265684	•	•	•	•	•	•			•			•			•			•		•		•	•					•		
172M [1],N	17265685 and on	•	•	•	•	•	•			•				•			•			•		•	•			•					•	
172P,Q,R,S, 172RG	All	•	•	•	•	•	•			•					•			•		•		•	•				•					•
F172D,E,F,G, H,K,L,M [1]	F172-0001 thru F17201384	•	•	•	•	•	•			•			•			•			•			•			•				•		
F172M [1],N	F17201385 thru F17202039	•	•	•	•	•	•			•				•			•			•		•	•			•					•	
F172P	All	•	•	•	•	•	•			•					•			•		•		•	•				•					•
FR172E,F,G,H,J [1]	FR17200001 thru FR17200559	•	•	•	•	•	•			•			•			•			•		•		•	•					•		
FR172J [1],K [1]	FR17200562 thru FR17200665	•	•	•	•	•	•			•				•			•			•		•	•			•					•	
FR172K [1]	FR17200666 thru FR17200675	•	•	•	•	•	•			•					•			•		•		•	•				•					•
P172D	All	•	•	•	•	•	•			•			•			•			•		•		•	•					•		
R172E,F,G,H	All				•	•	•			•			•			•			•		•								•		
R172K	R1722000 thru R1723399	•	•	•	•	•	•			•				•			•			•		•	•			•					•	
	R1723400 thru R1723454	•	•	•	•	•	•			•					•			•		•		•	•				•					•
175, 175A,B,C	All	•	•	•	•	•	•			•			•			•			•		•		•	•					•		

Notes:
[1] Partial model eligibility
[2] Hinge pins are not compatible with emergency door release systems
[3] To order the hinge undrilled add "S" to the suffix, i.e. MC0511237-1S
[4] To order the hinge bent add "B" to the suffix, i.e. MC0511238-7B
[5] Hinge Half Plate
[6] Hinge Half Stiffener

Maintenance Tip:
*Cessna doors have tremendous leverage on the forward door seals. Door hinge and hinge pins can easily over stress and fail if incorrect door seals are installed. Always use **APPROVED** door seals designed for **YOUR** aircraft. Door Seals on following pages.*

Cabin and Cargo Door Hinges for Cessna 180, 182, 185, 205, 206, 207 and 210 Series

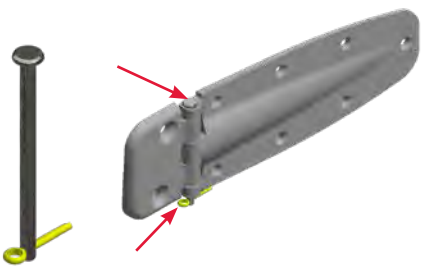
- FAA-PMA approved with improved machined design
- Better fit and form than competitor's forged hinges!
- Available drilled or un-drilled
- Save $$$



Quick Removal Clevis Pin and Cotter Key

New and improved design replaces staked-in hinge pin!

- FAA-PMA approved design replaces staked-in Cessna hinge pin
- Easy door removal for maintenance
- Corrosion resistant



Now Approved Cessna 180 & 200 Cabin Door Hinges!

Aircraft [1]	Hinge Pin: Cabin Door MC0711038-1 [2]	Hinge Pin: Baggage Door MC0711038-1 [2]	Cabin Door Hinge Half: Upper LH Fwd MC0711037-15 [3]	Upper LH Aft MC0711037-23 [3]	Upper RH Fwd MC0711037-14 [3]	Upper RH Aft MC0711037-22 [3]	Lower LH Fwd MC0711037-10 [3]	Lower LH Aft MC0711037-3 [3]	Lower RH Fwd MC0711037-11 [3]	Lower RH Aft MC0711037-4 [3]	Cargo Door Hinge Half: Fwd Upper Aft MC1211661-4 [3]	Fwd Upper Fwd MC1211661-9 [3]	Fwd Lower Aft MC1211661-1 [3]	Fwd Lower Fwd MC1211661-2 [3]	Aft Upper Aft MC1211661-6 [3]	Aft Upper Fwd MC1211661-8 [3]	Aft Lower Aft MC1211661-5 [3]	Aft Lower Fwd MC1211661-7 [3]
180B,C,D,E	4						•	•		•								
180F,G,H,J,K	4						•	•	•	•								
182B,C,D	2						•	•		•								
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T	2		•	•	•	•	•	•	•	•								
F182P,Q, FR182, R182, T182, TR182, T182T	2		•	•	•	•	•	•	•	•								
185, 185A,B,C,D,E, A185E,F	4						•	•	•	•								
210-5 (205), 210-5A (205A)	4	2	•	•	•	•	•	•	•	•								
206	2	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
206H, T206H	2			•			•	•	•		•	•	•	•	•	•	•	•
U206, U206A,B,C, D,E,F,G	2			•			•	•	•		•	•	•	•	•	•	•	•
P206, P206A,B,C,D,E, TP206A,B,C,D,E	2	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TU206A,B,C,D,E,F,G	2			•			•	•	•		•	•	•	•	•	•	•	•
207, 207A, T207, T207A	2		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
210, 210A	4						•	•	•	•								
210B,C,D,E,F,G,H,J,K,L,M,N,R	4		•	•	•	•	•	•	•	•								
P210N,R	2																	
T210F,G,H,J,K,L,M,N,R	4		•	•	•	•	•	•	•	•								

Notes:

[1] All serials for all aircraft models are eligible for the indicated part numbers.
[2] The hinge pins are not compatible with emergency door release systems.
[3] To order the hinge undrilled add "S" to the suffix, example MC0711037-15S

Early Cessna Door Hinges 120, 140, and 150 series coming soon!



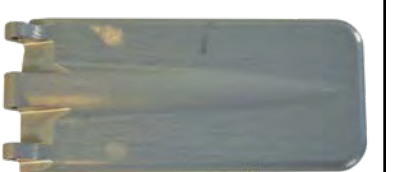
P/N MC1211661-2



P/N MC1211661-2S



P/N MC1211661-7



P/N MC1211661-7S

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Door and Window Seals

Beechcraft, Cessna, Mooney, and Piper aircraft

Nearly a year of development and testing went into creating these new seals for general aviation aircraft. As a result of a space age material developed for NASA, these seals are superior to any on the market! The hybrid rubber compound sealing material compresses under pressure from the door. When the door stops applying pressure against the seal, an impression of the surface is made in the seal, so you can actually see a perfect imprint in the seal of every rivet and seam when opening the door!

- FAA-PMA approved and made in the USA
- Conforms to sealing surfaces to create a perfect sealing bond
- Custom extruded from a special hybrid rubber compound
- Seal compresses from its full thickness to as small as 1/32”.
- Available at a fraction of the cost of OEM seals
- Airtight and watertight fit
- Greatly reduces cabin noise



P/N ADS-500-1002



P/N ADS-500-1003

Seal Lube P/N ADS-SL101

- Apply yearly to keep door seal looking like new!
- Doors and windows close easier without sticking!
- It only takes minutes to apply
- Assures maximum life for your door and window seals
- One 1/4 oz. tube will last about a year



P/N ADS-500-602

Weatherstrip Adhesive
McFarlane recommends using 3M products from your local auto parts store. Most weatherstrip adhesives are contact type adhesives that bond quickly when two coated surfaces are allowed to become tacky and then pressed together.



Aircraft Model	Part Number	Location
Beechcraft		
35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, F33C, G33	ADS-B115 [1]	Main Cabin Door, Hinge Block (2pk)
E33A	ADS-B127 [4 6]	Front Entry Door
E33C, F33, F33A	ADS-B131 [3]	Emergency Exit Window thru 1979
35, A35	ADS-B132 [3]	Emergency Exit Window 1980 and on
B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35R	ADS-B133 [4]	Cabin Baggage Door (includes large door)
36, A36, A36TC, B36TC	ADS-B137 [3]	Storm Window, Frameless
G36	ADS-B139 [3]	Storm Window, Framed
50(L-23A), B50(L-23B), C50, D50(L-23E), D50A, D50B, D50C, D50E, D50E-5990, E50(L-23D, RL-23D), F50, G50, H50, J50	ADS-B250 [2]	Nose Baggage Door Kit
19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	ADS-B270 [4 7]	Aft Utility Door
95-B55, 95-B55A, 95-B55B(T-42A), 95-C55, 95-C55A, G58, D55, E55, E55A, 56TC, 95, B95, B95A, D95A, E95, 95-55, 95-A55	ADS-500602 [2 8]	Aft Entry Cargo Door, Fuselage Mount
58, 58A, 58TC, 58TCA	ADS-500-700 [2]	Forward Baggage Door
D55A, A56TC	ADS-900900 [3]	Window Seal
76, 77	ADS-C1401 [4]	Entry Door, Front
	ADS-C1402 [4]	Baggage Door, Aft
	ADS-C1420 [4]	Entry Door, Front
	ADS-C1422 [4]	Baggage Door, Aft
	ADS-500-1002 [2]	Baggage Door, Aft
	ADS-500-1003 [3]	Vent Window
	ADS-M1201 [4]	Entry Door
	ADS-P301-1 [4]	Entry Door, Front, thru 1975
	ADS-P301-23 [4]	Entry Door, Front, 1976 and On
	ADS-P302 [3]	Vent Window
	ADS-P303 [4 9]	Baggage, Aft
	ADS-P304 [4]	Entry Door, Aft No Cargo Door
	ADS-P305 [5]	Entry Door, Aft With Cargo Door
35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, F33C, G33	•	•	•		•	•	•																		
E33A	•				•																				
E33C, F33, F33A	•		•		•																				
35, A35	•	•	•			•																			
B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35R	•	•	•		•	•	•																		
36, A36, A36TC, B36TC	•	•	•	•	•	•	•	•	•																
G36	•			•	•																				
50(L-23A), B50(L-23B), C50, D50(L-23E), D50A, D50B, D50C, D50E, D50E-5990, E50(L-23D, RL-23D), F50, G50, H50, J50	•	•	•		•	•	•																		
19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	•	•				•	•																		
95-B55, 95-B55A, 95-B55B(T-42A), 95-C55, 95-C55A, G58, D55, E55, E55A, 56TC, 95, B95, B95A, D95A, E95, 95-55, 95-A55	•	•	•		•	•	•	•																	
58, 58A, 58TC, 58TCA	•	•	•	•	•	•	•	•	•																
D55A, A56TC	•	•			•	•	•	•																	
76, 77	•	•				•	•																		

Notes and eligibility continues on next page

Continued from previous page





ADS-P301-1



ADS-500-1002

Aircraft Model	Part Number	Location	Main Cabin Door, Hinge Block (2pk)	Front Entry Door	Emergency Exit Window thru 1979	Emergency Exit Window 1980 and On	Cabin Baggage Door (includes large door)	Storm Window, Frameless	Storm Window, Framed	Nose Baggage Door Kit	Aft Utility Door	Aft Entry Cargo Door, Fuselage Mount	Forward Baggage Door	Window Seal	Entry Door, Front	Baggage Door, Aft	Entry Door, Front	Baggage Door, Aft	Baggage Door, Aft	Vent Window	Entry Door	Entry Door, Front, thru 1975	Entry Door, Front, 1976 and On	Vent Window	Baggage, Aft	Entry Door, Aft No Cargo Door	Entry Door, Aft With Cargo Door
			ADS-B115 1	ADS-B127 4 6	ADS-B131 3	ADS-B132 3	ADS-B133 4	ADS-B137 3	ADS-B139 3	ADS-B250 2	ADS-B270 4 7	ADS-500602 2 8	ADS-500-700 2	ADS-900900 3	ADS-C1401 4	ADS-C1402 4	ADS-C1420 4	ADS-C1422 4	ADS-500-1002 2	ADS-500-1003 3	ADS-M1201 4	ADS-P301-1 4	ADS-P301-23 4	ADS-P302 3	ADS-P303 4 9	ADS-P304 4	ADS-P305 5
Cessna																											
120, 140, 140A														•	•												
150, 150A,B,C,D,E,F,G,H,J,K,L,M														•	•												
152, A152														•	•												
170, 170A,B														•	•												
172, 172A,B														•	•												
172C,D,E,F,G,H,I,K,L,M,N,P,Q,S, 172RG, P172D, R172K														•	•	•											
175, 175A,B,C														•	•	•											
177, 177A,B, 177RG														•			•	•									
180, 180A,B,C,D,E,F,G,H,J,K														•	•	•											
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T														•	•	•											
A182J,K,L,N, R182, T182, T182T, TR182														•	•	•											
185, 185A,B,C,D,E														•	•	•											
190, 195, 195A,B														•	•	•											
210-5 (205), 210-5A (205A)												•		•	•	•											
206H, T206H, U206, U206A,B,C,D,E,F,G, TU206A,B,C,D,E,F,G												•		•	•	•											
P206, P206A,B,C,D,E, TP206A,B,C,D,E												•		•	•	•											
207, 207A, T207, T207A												•	•	•	•	•											
210A,B,C,D,E,F,G,H,J,K,L,M,N,R, T210F,G,H,J,K,L,M,N,R														•	•	•											
336, 337, 337A,B,C,D,E,F,G,H														•	•	•											
F337E,F,G,H, T337B,C,D,E,F,G,H														•	•	•											
Mooney																											
M20, M20A,B,C,D,E,F,G,J,K,L,M,R,S																			•	•	•						
Piper																											
PA-28-140																					•	•	•				
PA-28-150, PA-28-160, PA-28-180, PA-28R-180																					•	•	•	•			
PA-28-151, PA-28-161, PA-28-181																						•	•	•			
PA-28S-160, PA-28S-180																							•				
PA-28R-200																					•	•	•				
PA-28R-201																						•	•				
PA-28-201T, PA-28R-201T, PA-28RT-201, PA-28RT-201T																							•	•			
PA-28-235																					•	•	•	•			
PA-28-236																						•	•	•			
PA-32-260, PA-32-300, PA-32R-300																					•	•	•		•	•	
PA-32-301, PA-32-301T, PA-32R-301(HP), PA-32R-30l(SP), PA-32R-301T, PA-32RT-300, PA-32RT-300T																						•	•		•	•	
PA-34-200																					•		•		•	•	
PA-34-200T, PA-34-220T																						•	•		•	•	

1 Contains (2) hinge seals, instructions and a packet of seal lube.
2 Includes seals for one door, install instructions, and seal lube. Seal has an adhesive backing and does not require additional adhesive.
3 Includes seal for one window, install instructions, and seal lube. Seal has an adhesive backing and does not require additional adhesive.
4 Includes seal for one door, installation instructions and seal lube.
5 Contains seals for one passenger door, one cargo door, instructions and seal lube.
6 Contains P/Ns ADS1200-7 (1 ea), ADS1200-11 (1 ea), ADS1200-15 (2 ea).
7 Contains (1) each of P/Ns ADS1200-3-1, ADS1200-3-2, ADS1200-3-3, ADS1200-3-4, ADS1200-3-5, ADS1200-3-6, ADS1200-3-7, ADS1200-3-8, ADS1200-3-9.
8 Contains one each of the following P/Ns 500-602, 500-602-3.
9 Contains one each of the following P/Ns ADS1200-303-1, ADS1200-303-2, ADS1200-303-3, ADS1200-303-4.

Manufactured by Knots 2U

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Inboard Landing Gear Door Hinges for PA-31 Series Aircraft

Much stronger and more durable than the originals
P/N DH31-100-1

- Made of stainless steel, rather than aluminum
- New bearings and hardware included
- Provides relief from AD2000-25-01, which requires repetitive inspections of the inboard landing gear door hinge



Manufactured by AeroTwin

Piper Aircraft with STC SA02142AD-D Installed
PA-31-300, PA-31-310, PA-31-325, PA-31-350, PA-31P, PA-31P-350, PA-31T, PA-31T1, PA-31T2, PA-31T3

Door Latch for Piper Navajo PA-31

P/N AF472-004 approved for all PA-31-310, 325, 350 models with and without extended cargo door

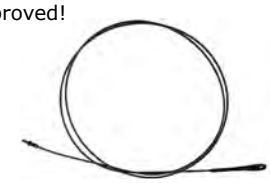
- Improved wear resistance
- Precision wire EDM machined from solid stainless steel
- Precision fit - drop in direct replacement
- Will not deform after extended use!

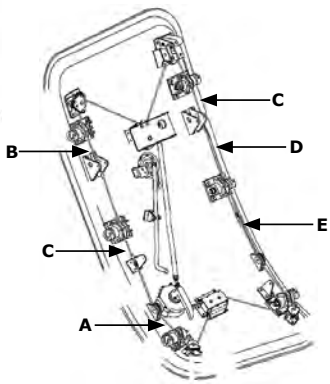


Manufactured by Airforms, Inc.

Beechcraft Airstair Door Latch Cables

- FAA-PMA approved!
- Save $$$





Beechcraft Airstair Door Latch Cables		
Model	Airstair Door Latch	Idx
1900, 1900C, 1900C (C-12J)	114-514030-1AC	A
	114-514030-9AC	B
	114-514030-13AC	C
	114-514030-17AC	D
	114-514030-21AC	E
1900D	129-514059-1AC	
	129-514059-13AC	
	129-514059-25AC	
	129-514059-33AC	

Cessna Door Latch Springs

P/N 0417016-1
P/N 0417016-2
P/N 0417016-KT

No more buying more than you need!
Kit includes (1) each of P/Ns 0417016-1 and 0417016-2

- Save $$$
- Convenient kit for one full door latch assembly
- Fits many Cessna aircraft
- Also replaces OEM P/Ns 0511261-4 and 0511261-5 from earlier Cessna models



P/N 0417016-1



P/N 0417016-2

Manufactured by Textron

Nosecone Baggage Door Latch/Lock Kits for Piper Aircraft

Save $$$ Satisfying AD2009-13-06R1 Requirements for PA-23, PA-31, and PA-42 Series Aircraft

Improved FAA-PMA direct replacement lock, placard kits, and convenient kits for all hardware required by Piper Service Bulletin 1194B to comply with AD2009-13-06R1. This AD requires a placard on the baggage door, lubricant, and inspection of all door latch components every 100 hrs and replacement of some components every 1000 hrs.

Lock Assembly Kit P/N MC88409-002

- Pre-assembled lock and offset cam helps prevent installation mistakes
- Includes clear instructions
- FAA-PMA direct replacement



Placard Kit P/N MC88451-002

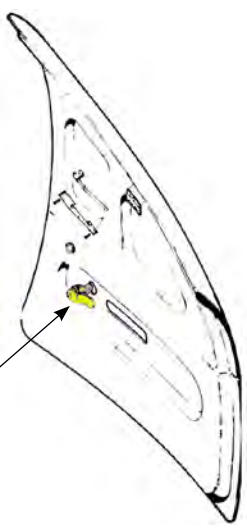
- Kit contains both a black and white version to contrast with any paint scheme
- FAA-PMA direct replacement



Complete Kits

Contains all 1000 hour mandatory replacement hardware: MC88409-002, standard hardware, Piper original springs

Model	Complete Hardware Kit	Lock Assembly Kit	Placard Kit
PA-23-250, PA-E23-250	PBDL-KT-1	MC88409-002	MC88451-002
PA-31, PA-31-300, PA-31-325	PBDL-KT-2	MC88409-002	MC88451-002
PA-31-350 and T-1020	PBDL-KT-2	MC88409-002	MC88451-002
PA-31P, PA-31P-350	PBDL-KT-3	MC88409-002	MC88451-002
PA-31T, PA-31T1, PA-31T2, PA-31T3	PBDL-KT-3	MC88409-002	MC88451-002
PA-42, PA-42-720	PBDL-KT-3	MC88409-002	MC88451-002
PA-42-1000	PBDL-KT-3 (Fwd)	MC88409-002	MC88451-002
	PBDL-KT-4 (Aft)		



Lock Assembly Kit
P/N MC88409-002

Beechcraft Double Ball End Cable

1900,1900C, 1900C (C-12J)
P/N 2R59573001-1AC

- Direct replacement for OEM cable assembly
- FAA-PMA approved
- In stock!

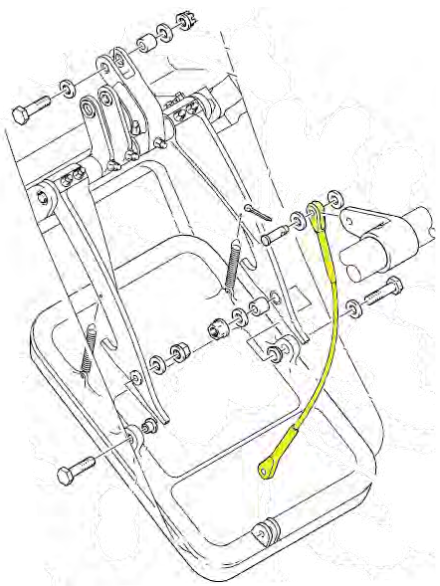


Ice-Break Cable Assembly for Bombardier Aircraft

CL-600 2C10, 2C11, 2D15, 2D24
P/N 601R318127-3AC

- FAA-PMA approved
- Save $$$
- In stock!





Nose Baggage Compartment Cargo Door Up Latch for Cessna 207

No more holding up the door while loading!
P/N AF1213922-1

- Improved strength
- Nickel plated for corrosion resistance



Manufactured by Airforms, Inc.

Boot Cowl Handle

Slightly larger to accommodate gloves!
P/N 3354H

180H,J, A185E,F, U206/TI206A,B,C,D,E,F,G, P206/TP206A

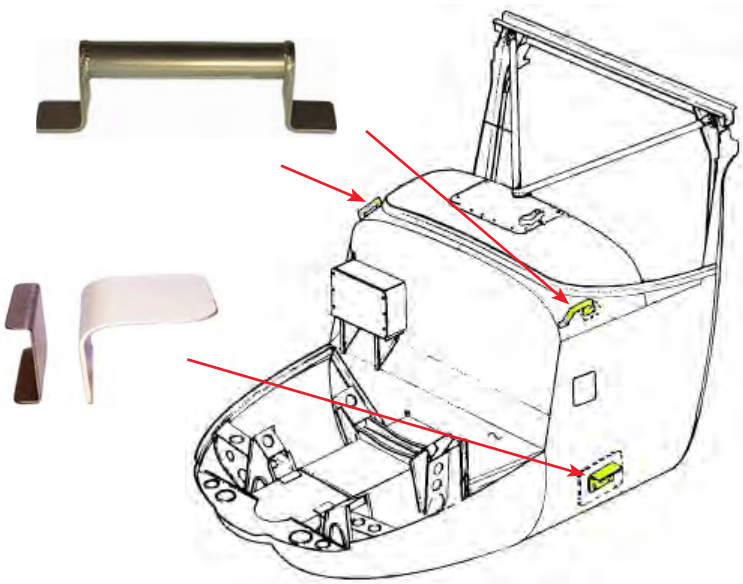
- Includes doubler
- Undrilled
- May not match up with existing bolt pattern due to alternate styles used by OEM
- Replacement for P/N 0713191-1

Boot Cowl Step

Slightly larger to accommodate hunting and fishing footwear!
P/N 3354S

U206/TU206A,B,C,D,E,F,G,
P206/TP206A

- Includes doubler
- Undrilled
- White powder coating
- Direct replacement for P/N 124022-5
- 2 per aircraft



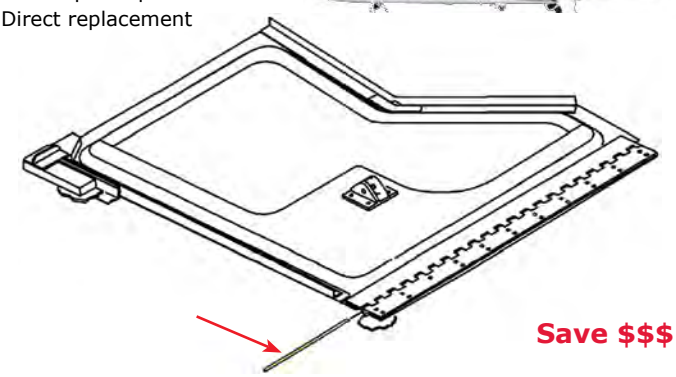
Manufactured by F Atlee Dodge

Main Gear Door Hinge Pin for Cessna Citation 550/560 Aircraft

P/N MS20253-2-2050

- Corrosion resistant
- Two required per aircraft
- Direct replacement





Manufactured by PMA Products, Inc.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cabin Entry Step for Cessna Aircraft

P/Ns WAC711006-1 (left), -2 (right)

- Direct replacement for original
- Streamline tubing
- Internally oiled and sealed to prevent corrosion
- Includes anti-slip tape P/N WAC711006-8
- Step coated with white epoxy primer only

Maintenance Tip:
To paint, clean with pre-paint cleaner and scuff lightly with a Scotch-Brite pad or fine sand paper.

Stronger than the original!



Model	Serial Number
170, 170A,B	18000 thru 27169
180, 180A,B,C,D,E,F,G,H [1]	30000 thru 18051875
185, 185A,B,C,D,E, A185E [1]	1850001 thru 1851300
[1] Partial model eligibility	

Refueling Step

No more step ladders
P/Ns 3190/-10, 3190/-11, 3190/-12

J3C-65, J3F-50, J3F-60, J3F-65, J-3L, J3L-65, J-4, J-4A, J-4B, J-5A, J5C, PA-11, 12, 14, 15, 16, PA18-105, 125, 135, A-135, 150, A-150, PA-19, PA-20, PA-20-115, PA-20-135, PA-22-108, 135, 150, 160

Clamps onto the main gear leg for easier refueling.

- Select part number by landing gear front tube OD:
  - 1.25" OD use P/N 3190/-10
  - 1.375" OD use P/N 3190/-11
  - 1.5" OD use P/N 3190/-12
- Powder coated white (available in "Wolf Hunter" Black for an additional charge)

Manufactured by F Atlee Dodge



FAA-PMA/STC

Main Gear Long Step

FAA-PMA/STC

Much easier cabin entry!
Easy clamp-on modification
P/N 3195

AE-1, HE-1, J3, J4, J5, PA11, PA12, PA14, PA18, PA19 Series

The Main Gear Long Step is usable on both sides of the aircraft as an entry step or refueling step. Heavy tube with three sizes of clamps.

- A must for bush gear and tires
- Alaska tested
- Durable non-skid surface stays on
- Powder coated white for durable corrosion resistance
- Available in "Wolf Hunter" Black for an additional charge



Manufactured by F Atlee Dodge

Passenger Door Step for Cessna Caravan

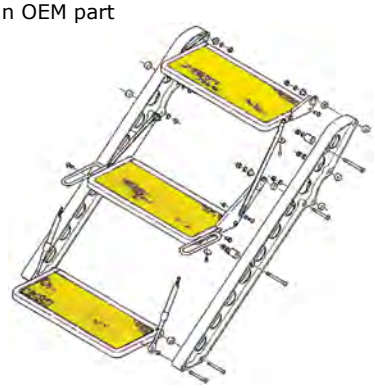
Durable Aluminum Step with STC!
P/N AF2617076-1 or P/N KIT-AF2617076-1 (contains three steps)

Engineered for increased longevity and constructed solely from aluminum to eliminate the incidence of delaminating. Direct replacement for Cessna P/Ns 2617076-1 (lower), 2617076-10 (upper) and 2617076-11 (middle).

- Fits all Cessna 208/208B Aircraft
- Slip resistant tape
- Withstands significantly more weight than OEM part
- Longer service life
- More resistant to weather and moisture







Manufactured by Airforms Inc.

Kodiak Extended Crew Door Steps

Add a second step for the crew door, below the level of the original step
P/N AT-QK-ST

- Easier access for the crew to the cockpit
- Can be powder coated to match aircraft color
- Top step can be monogramed with lettering (additional cost)



Manufactured by Aero Twin, Inc.



Aircraft Lighting

Now offering AeroLEDs and Whelen Lights

NEW

We now have a full product line of taxi, landing, navigation, position, and beacon lighting from AeroLEDs and Whelen (WAT). These leading manufacturers offer high-quality light solutions for many major aircraft models including Aero Commander, American Champion, Beechcraft, Cessna, Cirrus, Grumman, Mooney, Piper, and Rockwell.

- FAA-PMA, STC, and TSO approvals
- Many solutions for experimental aircraft
- Replacement bulbs and accessories also available
- Save money with lighting kits!

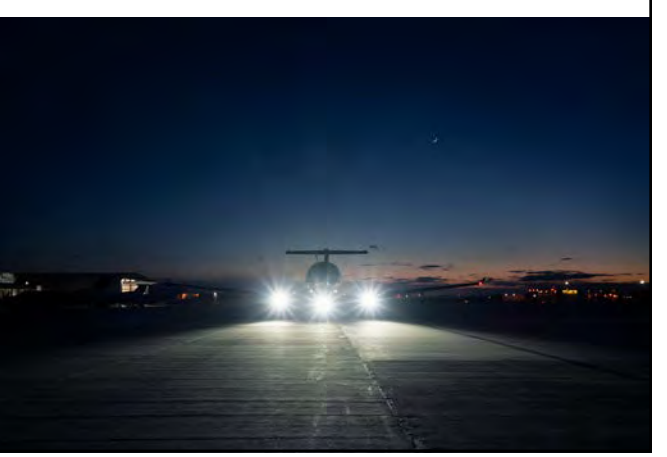
AeroLEDs

AeroLEDs offer high efficiency, direct LED replacements and retrofit solutions for virtually any aircraft. AeroLEDs are low-weight, low-drag, shock & vibration resistant, and rated for over 30,000 hours of continuous operation. They are also unaffected by on/off cycles and offer up to 80% less power consumption than incandescent. AeroLEDs unique built-in Pulse feature and synchronization is what sets them apart from other aerospace LED solutions. When power is applied to the Pulse wire, AeroLEDs wig-wag at a rate of 1Hz. Higher color temperature provides superior visibility and clarity.

Whelen Aerospace Technologies (WAT)

Whelen Aerospace Technologies is the global leader in high-end lighting products for the aerospace industry. Experienced staff designs, engineers, and manufactures high-quality products that provide safety, visibility, and recognition for aircraft across all platforms. Design engineers work closely with OEM and service provider networks to design high-performance products that enhance the pilot experience, as well as provide safety of flight.



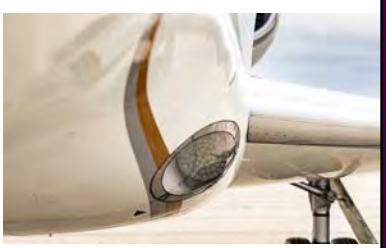


Landing, Taxi, and Recognition Lights

AeroLEDs and Whelen have many series for certified, experimental, commercial, and more











AeroLEDs SunSpot Series
Available as a drop-in replacement for PAR36, PAR46, and PAR64 Landing and Taxi Lights

- Consumes less power and produces more lumens than incandescent bulbs
- Unaffected by vibration
- Available with built-in pulse for increased recognition in daylight and night



AeroLEDs SunBeam
Fits experimental aircraft and LSAs

- Over 65% more light output than competition
- Built-in pulse mode



AeroLEDs AeroSun Series
Landing and Taxi lights fit various certified and experimental applications, including Vans RV and Cessna

- Integral thermal protection
- Built-in pulse mode



AeroLEDs MicroSun
Taxi and Recognition lights for lighter-weight experimental or kit planes

- Ability to mount to almost anywhere on the aircraft
- Built-in pulse mode

For PMA approved aircraft eligibility, visit our website
Scan this code



AeroLEDs SunRay
Fits experimental aircraft Landing and Recognition Lights

- High-powered and compact
- Small enough to fit in the wingtip cutout on Van's RV kits
- Built-in pulse mode



Whelen Parmetheus G3
STC approved drop-in replacement Landing and Taxi Lights for PAR36

- 2.5x brighter than Parmetheus Plus
- Minimum reduction in output time due to thermal overload
- Now with sealed lens



Whelen Parmetheus PRO
STC replacement Landing Lights for piston and turboprop aircraft

- Easy installation and maintenance
- Power wiring attaches to brass screw terminals



Whelen Parmetheus PLUS
FAA-PMA and STC approved drop-in replacement Landing and Taxi Lights

- Weight is virtually identical to previous lamps
- Assembly design includes clocking notch



Whelen 71685 Series
Non-certified white recognition and landing light assembly

- Designed to be a direct replacement for 70329 Halogen recognition lights
- Comes with a 30-degree optic lens



Whelen 71125 Series
Non-certified white recognition light designed to provide supplemental lighting for many applications

- Perfect for vibration prone areas
- Several different beam spreads available



Whelen 71898 Series
FAA-PMA approved recognition light, designed to be a direct replacement for A775EXP and 7042900 assemblies

- 71898P0 is the spare part for the legacy 7045301 recognition light used in the 90029 assembly
- 7189801 is the replacement for Beechcraft King Air B300's P/N 7042900



Whelen 71876 Series
Non-certified direct replacement Recognition Lights for legacy Whelen A775 and A775EXP series

See following pages for details!

Landing Lights

FAA-PMA, STC, TSO, and experimental options

AEROLEDS™

Coming Soon

AEROLEDS SUNSPOT EQUINOX SERIES
Dual-function Landing AND Taxi Light!

SUNSPOT SERIES
Voted best aircraft LED Landing light by Aviation Consumer, the Sunspot Series LED Landing and Taxi lights are available as a drop-in replacement for PAR36, PAR46, and PAR64 configurations with several options that are FAA/PMA/STC certified.



AEROSUN SERIES
The AeroSun Series product line has expanded to include an array of landing and taxi lights, both certified and experimental (including Vans RV) which are widely used in various custom applications.



SUNRAY
The SunRay LED Landing and Recognition light is commonly used with wing-mounted landing lights and is available for most airplane types. This light is small enough to fit in the wingtip cutout on Van's RV kits.



SUNBEAM
The Sunbeam LED Landing light is FAA-PMA approved to fit a variety of experimental aircraft and LSAs. Aircraft that use this landing light include: Diamond DA-40, the Cessna Columbia, the Liberty XL, some Cirrus models, and some Grumman models.



WAT
WHELEN AEROSPACE TECHNOLOGIES



PARMETHEUS G3
Keeping the tradition of industry leading performance and value, the new PAR 46 G3 Series is 2.5 times brighter than the Parmetheus™ Plus all while maintaining the same form, fit and functionality of a drop-in LED replacement for legacy landing lights. Available in PAR-36 & 46 size, the G3 is now available in variable voltage 14-28 VDC.



PARMETHEUS PLUS
Parmetheus Plus™, an LED landing and taxi light 40% brighter than the Parmetheus™. The Parmetheus Plus™ is external flasher friendly, lightweight, low current, and moisture resistant.

Manufacturer: A AeroLEDs W Whelen Aerospace Technologies (WAT)

Battery Voltage	Color	PAR	Part Number	Description	Watts	Lumens	Candela	Dimensions	Mfg	Approval
9-40	White	36	01-1030-L-A	SunSpot 36 LX	45	4,950	65,000	4.40" x 4.40" x 1.90"	A	FAA-PMA,STC
9-40	White	36	01-1030-L-A-P	SunSpot 36 LX with ProTech Lens	45	4,950	65,000	4.40" x 4.40" x 1.90"	A	FAA-PMA
9-40	White	36	01-1030-H-A	SunSpot 36 HX (with Pulse)	45	4,950	65,000	4.40" x 4.40" x 1.90"	A	FAA-PMA,STC
9-40	White	36	01-1030-H-A-P	SunSpot 36 HX with ProTech Lens	45	4,950	65,000	4.40" x 4.40" x 1.90"	A	FAA-PMA
9-40	White	46	01-2130-LX	SunSpot 46 LX	85	9,250	150,000	5.60" x 5.60" x 1.90"	A	FAA-PMA,STC
9-40	White	46	01-2130-HX	SunSpot 46 HX (with Pulse)	85	9,250	150,000	5.60" x 5.60" x 1.90"	A	FAA-PMA,STC
9-40	White	N/A	90-1000	SunBeam (with Recognition and Pulse)	35	3,300	91,000	4.00" x 2.80" x 1.20"	A	FAA-PMA
9-40	White	N/A	01-2120	AeroSun (with Pulse)	39	4,290	54,000	5.00" x 2.30" x 1.50"	A	Experimental
9-40	White	N/A	01-2500	AeroSun VX (for Vans RV)	120 (per pair)	13,300 (per pair)	120,000 (per pair)	6.30" x 5.70" x 3.40"	A	Experimental
9-40	White	N/A	01-1150	SunRay (with Pulse)	10	1,000	25,000	2.65" x 2.65" x 1.10"	A	Experimental
12	White	36	01-1030-4313	SunSpot 36-4313	95	11,000	150,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
12	White	36	01-1030-4313-H	SunSpot 36-4313-H (with Pulse)	95	11,000	150,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
12	White	46	01-0790906-00	Parmetheus G3					W	FAA-PMA,STC
12	White	36	01-0771833-10	Parmetheus Plus			60,000	4.38" x 4.38" x 1.70"	W	FAA-PMA,STC
12-24	White	36	01-0772102-10	Parmetheus G3			136,273	4.38" x 4.38" x 2.05"	W	FAA-PMA,STC
24	White	36	900-01-100-A	SunSpot 36 PCX (for Pilatus)	100	11,000	150,000	4.40" x 4.40" x 2.25"	A	FAA-PMA,STC
24	White	36	01-1030-4596	SunSpot 36-4596	100	11,000	150,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
24	White	36	01-1030-4596-H	SunSpot 36-4596-H (with Pulse)	100	11,000	150,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
24	White	36	01-0771833-20	Parmetheus Plus			60,000	4.38" x 4.38" x 1.70"	W	FAA-PMA,STC
24	White	46	01-2230-4580	SunSpot 46-4580	175	19,250	250,000	5.60" x 5.60" x 1.90"	A	FAA-PMA,STC
24	White	46	01-2230-4580-H	SunSpot 46-4580-H (with Pulse)	175	19,250	250,000	5.60" x 5.60" x 1.90"	A	FAA-PMA,STC
24	White	64	01-2250-4559	SunSpot 64-4000	200	22,000	420,000	8.00" x 8.00" x 2.00"	A	FAA-PMA,STC

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Taxi Lights

FAA-PMA, STC, TSO, and experimental options

AEROLEDS™

Coming Soon

AEROLEDS SUNSPOT EQUINOX SERIES
Dual-function Landing AND Taxi Light!

WAT
WHELEN AEROSPACE TECHNOLOGIES

SUNSPOT SERIES
The Sunspot Series LED taxi lights consume less power, output more lumens, and are not affected by vibrations compared to incandescent bulbs. This series is ideal for experimental, certified, commercial, and military aircraft.



AEROSUN SERIES
Serving as the launch product for AeroLEDs in 2006, the AeroSun Series product line has expanded to include an array products, both certified and experimental (including Vans RV) which are widely used in various custom applications.



MICROSUN
MicroSun LED taxi and aircraft recognition lighting is very versatile, with the ability to be mounted almost anywhere on an aircraft. Their compact profile makes them the perfect option for lighter-weight Experimental or Kit planes.





PARMETHEUS G3
Keeping the tradition of industry leading performance and value, the new PAR 46 G3 Series is 2.5 times brighter than the Parmetheus™ Plus all while maintaining the same form, fit and functionality of a drop-in LED replacement for legacy landing lights. Available in PAR-36 & 46 size, the G3 is now available in variable voltage 14-28 VDC.



PARMETHEUS PLUS
Parmetheus Plus™, an LED landing and taxi light 40% brighter than the Parmetheus™. The Parmetheus Plus™ is external flasher friendly, lightweight, low current, and moisture resistant.

Manufacturer: A AeroLEDs W Whelen Aerospace Technologies (WAT)

Battery Voltage	Color	PAR	Part Number	Description	Watts	Lumens	Candela	Dimensions	Mfg	Approval
9-40	White	36	01-1030-L-B	SunSpot 36 LX	45	4,950	15,000	4.40" x 4.40" x 1.90"	A	FAA-PMA,STC
9-40	White	36	01-1030-H-B	SunSpot 36 (with Pulse)	45	4,950	15,000	4.40" x 4.40" x 1.90"	A	FAA-PMA,STC
9-40	White	N/A	01-2120	AeroSun (with Pulse)	39	4,290	54,000	5.00" x 2.30" x 1.50"	A	Experimental
9-40	White	N/A	01-2500	AeroSun VX (for Vans RV)	120 (per pair)	13,300 (per pair)	120,000 (per pair)	6.30" x 5.70" x 3.40"	A	Experimental
9-40	White	N/A	01-1170	MicroSun (with Pulse)	24	2,640	15,000	3.10" x 1.90" x 2.00"	A	Experimental
9-40	White	N/A	01-1170-A	MicroSun External Mount (with Pulse)	24	2,640	15,000	3.10" x 0.90" x 2.00"	A	Experimental
12	White	36	01-0771833-15	Parmetheus Plus			15,000	4.38" x 4.38" x 1.70"	W	FAA-PMA,STC
12	White	36	01-1030-4314	SunSpot 36-4314	95	11,000	50,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
12	White	36	01-1030-4314-H	SunSpot 36-4314-H (with Pulse)	95	11,000	50,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
12-24	White	36	01-0772102-15	Parmetheus G3			35,000	4.38" x 4.38" x 2.05"	W	FAA-PMA,STC
24	White	36	01-0771833-25	Parmetheus Plus			15,000	4.38" x 4.38" x 1.70"	W	FAA-PMA,STC
24	White	36	01-1030-4587	SunSpot 36-4587	100	11,000	50,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
24	White	36	01-1030-4587-H	SunSpot 36-4587 (with Pulse)	100	11,000	50,000	4.40" x 4.40" x 2.10"	A	FAA-PMA,STC
24	White	36	900-01-100-C	SunSpot 36 PCX	100	11,000	50,000	4.40" x 4.40" x 2.25"	A	FAA-PMA,STC
24	White	46	01-2230-4554	SunSpot 46-4554	175	19,250	100,000	5.60" x 5.60" x 1.90"	A	FAA-PMA,STC
24	White	46	01-2230-4554-H	SunSpot 46-4554-H (with Pulse)	175	19,250	100,000	5.60" x 5.60" x 1.90"	A	FAA-PMA,STC

Recognition Lights

FAA-PMA, STC, TSO, and experimental options

AEROLEDS™

SUNRAY
The SunRay LED landing and recognition Light is commonly used with wing-mounted landing lights and is available for most airplane types. This light is small enough to fit in the wingtip cutout found in Van's RV kits.



AEROSUN
Serving as the launch product for AeroLEDs in 2006, the AeroSun Series product line has expanded to include an array products, both certified and experimental which are widely used in various custom applications.



MICROSUN
MicroSun LED taxi and aircraft recognition lighting is very versatile, with the ability to be mounted almost anywhere on an aircraft. Their compact profile makes them the perfect option for lighter-weight Experimental or Kit planes.



WAT
WHELEN AEROSPACE TECHNOLOGIES

71125 Series
Designed to provide supplemental lighting for a wide variety of aircraft applications. Provides all of the advantages of LED's as a light source, no EMI/RFI, low current draw, low heat, long life. Perfect for vibration prone areas. Several different beam spreads available.



71685 Series
71685 Series LED Recognition and Landing light assembly comes standard with a 30 Degree optic lens. These assemblies are designed to be a direct replacement for the 70329 Halogen recognition lights.



71888 Series
LED form, fit, and function replacement to A775 and A775EXP series.



71898 Series
Designed to be direct replacement for A775EXP and 7042900 assemblies. Model 71898P0 is painted White and is the spare part for the legacy 7045301 recognition light used in the 90029 assembly. 7189801 is the replacement for 7042900 (King Air B300's).



Manufacturer: A AeroLEDs W Whelen Aerospace Technologies (WAT)

Battery Voltage	Color	PAR	Part Number	Description	Watts	Lumens	Candela	Dimensions	Mfg	Approval
9-40	White	N/A	01-1170	MicroSun with Pulse	24	2,640	15,000	3.10" x 1.90" x 2.00"	A	Experimental
9-40	White	N/A	01-1170-A	MicroSun External Mount (with Pulse)	24	2,640	15,000	3.10" x 0.90" x 2.00"	A	Experimental
9-40	White	N/A	01-2120	AeroSun (with Pulse)	39	4,290	54,000	5.00" x 2.30" x 1.50"	A	Experimental
9-40	White	N/A	01-1150	SunRay with Pulse	10	1,000	25,000	2.65" x 2.65" x 1.1"	A	Experimental
12	White	N/A	01-0771888-00	71888 Series			30,000	3.16" x 1.65" x 1.47"	W	Experimental
12	White	N/A	01-0771125-10	71125 Series, 10° beam spread			30,000	1.95" x 3.25" x 1.25"	W	Experimental
12	White	N/A	01-0771125-11	71125 Series, 20° beam spread			30,000	1.95" x 3.25" x 1.25"	W	Experimental
12	White	N/A	01-0771125-12	71125 Series, 90° beam spread			30,000	1.95" x 3.25" x 1.25"	W	Experimental
12	White	N/A	01-0771685-01	71685 Series			12,000	2.07" x 3.64" x 0.98"	W	Experimental
24	White	N/A	01-0771685-00	71685 Series			12,000	2.07" x 3.64" x 0.98"	W	Experimental
24	White	N/A	01-0771888-01	71888 Series			30,000	3.16" x 1.65" x 1.47"	W	Experimental
24	White	N/A	01-0771898-00	71898 Series			30,000	3.16" x 1.65" x 1.47"	W	Experimental
24	White	N/A	01-0771898-01	71898 Series			30,000	3.16" x 1.65" x 1.47"	W	Experimental
24	White	N/A	01-0771898-P0	71898 Series			30,000	3.16" x 1.65" x 1.47"	W	Experimental
24	White	N/A	01-0771125-20	71125 Series, 10° beam spread			30,000	1.95" x 3.25" x 1.25"	W	Experimental
24	White	N/A	01-0771125-21	71125 Series, 20° beam spread			30,000	1.95" x 3.25" x 1.25"	W	Experimental
24	White	N/A	01-0771125-23	71125 Series, 30° beam spread			30,000	1.95" x 3.25" x 1.25"	W	Experimental
24	White	N/A	01-0771125-22	71125 Series, 90° beam spread			30,000	1.95" x 3.25" x 1.25"	W	Experimental

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Navigation, Strobe, and Position Lights

AeroLEDs and Whelen have a variety of certified and experimental options







AeroLEDs Pulsar Series
FAA-TSO approved fits certified or experimental aircraft
- Several options include anti-collision, strobe, and/or position features
- Can be used for both fixed wing and rotorcraft



AeroLEDs SunTail
FAA-TSO approved direct replacement fits certified or experimental aircraft
- Strobe synchronization available
- Simple drop-in replacement



AeroLEDs Polaris
LED replacement navigation bulb for installation behind existing green or red forward-facing navigation lenses
- Light output meets and exceeds its replacement
- Simple drop-in replacement

For PMA approved aircraft eligibility, visit our website
Scan this code

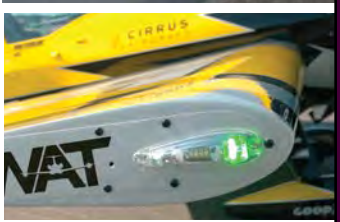


Whelen Orion
FAA-TSO and STC red and green direct replacement position lights with built-in white anti-collision tail light feature
- Built-in tail light feature to eliminate the need for separate flasher boxes
- Synchronizable capabilities
- Easy installation and maintenance





Whelen BLAZE
Non-certified position, anti-collision, and tail lights for LSA and experimental
- Designed to replace AVEO Powerburst light assemblies
- Light-weight and low drag
- Aerodynamic with vibration and moisture resistance





Whelen Microburst
Non-certified navigation lights for LSA and experimental aircraft
- Low current, long life, lightweight
- Aerodynamic with vibration and moisture resistance
- Replaceable lenses



Whelen Chroma
FAA-TSO and STC direct replacement for W129028, 129028, A7512-24, W628, 628 incandescent bulbs
- Nickel-plated hard contact eliminates premature wear
- O-ring allows for a more secure connection to lamp socket, reducing wear over time
- Unique reflector design allows for full FAR coverage compliance



Whelen 71554 Series
FAA-TSO and STC approved direct replacement for A555A and 71011 tail lights
- Available in horizontal or vertical mount
- Models -01 and -02 come with flying leads
- Model -03 has a pin and ring terminal for connections

See following pages for details!



Whelen 90613 Series
FAA-TSO and STC position white anti-collision light for Cessna Caravan aircraft
- Same hole pattern as original Cessna Caravan light
- Interconnect with standard Amp Mate-N-Lock connectors



Whelen 71105 Series
FAA-TSO approved direct replacement for Whelen W1285 position lights
- Available in green or red
- Significant reduction in electrical current draw over conventional bulbs



Whelen 71379 Series
FAA-TSO approved wingtip forward position red or green light
- Designed to be located under a fairing, but suitable for external mounting
- Replaces GRIMES A1815A and Whelen W1250

Navigation, Strobe, and Position Lights

FAA-STC, TSO, and experimental options

AEROLEDS™

PULSAR SERIES
This series is ideal for experimental, certified, commercial, ARFF, and military aircraft both new and retrofit designs. All lights meet and exceed the TSO requirement for navigation/ position and anti-collision strobe.



POLARIS
Polaris Position Light Bulb serves as an LED replacement for traditional incandescent position lighting. They are to be installed behind a green or red forward-facing navigation lens.





SUNTAIL
LED anti-collision strobe and position light designed for the tail of the aircraft. SunTail can synchronize its strobe with any of AeroLEDs LED lighting products. SunTail does not require an external power supply and will retrofit the mounting footprint of legacy lighting.

WHELEN AEROSPACE TECHNOLOGIES

ORION
Whelen offers multiple Orion series, including Orion 500, 600, 650, 650E, and 660. These different series navigation and anti-collision lights are the same footprint and mounting as the legacy Whelen part for easy installation and retrofit.



MICROBURST PLUS
These assemblies provide navigation and anti-collision functions, just like the original assemblies but with an updated internal optic reflector design. The new reflector improves the aesthetics and provides greater light output performance.



BLAZE
The BLAZE series is an all LED wingtip position, anti-collision, and tail light assembly for the LSA and experimental market. Low drag and light weight without compromising safety and visibility.





71554 SERIES
This series is an exact footprint for Whelen A555A and 71011 tail lights. Available in horizontal or vertical mount. Models -01 and -02 come with flying leads. Model -03 has a pin and a ring terminal for connections.



71105 SERIES
These FAA-TSO approved forward position lights provide a significant reduction in electrical current draw over conventional bulbs. Direct replacement for Whelen W1285 series (Version STC on Learjet Aircraft).



71379 SERIES
These LED wingtip forward position lights are designed to go under a fairing, but they are also suitable for external mounting. Replaces GRIMES A1815A and Whelen W1250.



CHROMA
Chroma series position lamps provide consistent light output, compared to filament lamps and LED resistor type designs. Its robust-machined base provides significant vibration resistance.

Manufacturer: A AeroLEDs W Whelen Aerospace Technologies (WAT)

Type	Battery Voltage	Color	Description	Part Number	Watts	Dimensions	Mfg	Approval
N	12	Green	Pulsar N (Right)	11-1280-A-12-R	11	4.00" x 1.90" x 1.50"	A	FAA-TSO
N	12	Green	71105 Series	01-0771105-01		3.88" x 1.77" x 1.08"	W	FAA-TSO
N	12	Green	71379 Series	01-0771379-11		2.31" x 1.75" x 2.30"	W	FAA-TSO
N	12	Green	Chroma	01-0771900G14		1.98" x 1.15" x 1.15"	W	FAA-TSO,STC
N	12	Red	Pulsar N (Left)	11-1280-A-12-L	11	4.00" x 1.90" x 1.50"	A	FAA-TSO
N	12	Red	71105 Series	01-0771105-02		3.88" x 1.77" x 1.08"	W	FAA-TSO
N	12	Red	71379 Series	01-0771379-12		4.50" x 3.25" x 3.50"	W	FAA-TSO
N	12	Red	Chroma	01-0771900R14		1.98" x 1.15" x 1.15"	W	FAA-TSO,STC
N	24	Green	Pulsar N (Right)	11-1280-A-24-R	11	4.00" x 1.90" x 1.50"	A	FAA-TSO
N	24	Green	71105 Series	01-0771105-03		3.88" x 1.77" x 1.08"	W	FAA-TSO
N	24	Green	71379 Series	01-0771379-01		2.31" x 1.75" x 2.30"	W	FAA-TSO
N	24	Green	Chroma	01-0771900G28		1.98" x 1.15" x 1.15"	W	FAA-TSO,STC
N	24	Red	Pulsar N (Left)	11-1280-A-24-L	11	4.00" x 1.90" x 1.50"	A	FAA-TSO
N	24	Red	71105 Series	01-0771105-04		3.88" x 1.77" x 1.08"	W	FAA-TSO
N	24	Red	71379 Series	01-0771379-02		2.31" x 1.75" x 2.30"	W	FAA-TSO
N	24	Red	Chroma	01-0771900R28		1.98" x 1.15" x 1.15"	W	FAA-TSO,STC

Continued on next page

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Navigation, Strobe, and Position Lights continued from previous page

FAA-STC, TSO, and experimental options





Continued from previous page

Manufacturer: A AeroLEDs W Whelen Aerospace Technologies (WAT)

Type	Battery Voltage	Color	Description	Part Number	Watts	Dimensions	Mfg	Approval
NS	12	Green	Pulsar NS (Right)	11-1280-B-12-R	20.5	4.00" x 1.90" x 1.50"	A	FAA-TSO
NS	12	Green	Pulsar NS	01-1280-B-12-R	20.5	4.00" x 1.90" x 1.50"	A	Experimental
NS	12	Green	Orion 650	01-0790725-01		3.95" x 1.79" x 1.68"	W	FAA-TSO,STC
NS	12	Green	Orion 650E	01-0790701-01		3.85" x 1.67" x 2.20"	W	FAA-TSO,STC
NS	12	Red	Pulsar NS (Left)	11-1280-B-12-L	20.5	4.00" x 1.90" x 1.50"	A	FAA-TSO
NS	12	Red	Pulsar NS (Left)	01-1280-B-12-L	20.5	4.00" x 1.90" x 1.50"	A	Experimental
NS	12	Red	Orion 650	01-0790725-02		3.95" x 1.79" x 1.68"	W	FAA-TSO,STC
NS	12	Red	Orion 650E	01-0790701-02		3.85" x 1.67" x 2.20"	W	FAA-TSO,STC
NS	12	Red and Green Pair	Microburst Plus (Pair)	01-0475107-00		4.61" x 1.64" x 1.41"	W	Experimental
NS	12	Red and Green Pair	Microburst Plus (Pair)	01-0471519-01		4.61" x 1.64" x 1.41"	W	Experimental
NS	12	Red and Green Pair	Microburst Plus (Pair)	01-0471519-00		4.61" x 1.64" x 1.41"	W	Experimental
NS	12	White	Microburst Plus	01-0771490-00		2.16" x 1.71" x 2.23"	W	Experimental
NS	24	Red	Pulsar NS (Left)	11-1280-B-24-L	22	4.00" x 1.90" x 1.50"	A	FAA-TSO
NS	24	Red	Pulsar NS (Left)	01-1280-B-24-L	22	4.00" x 1.90" x 1.50"	A	Experimental
NS	24	Red	Orion 650	01-0790725-12		3.95" x 1.79" x 1.68"	W	FAA-TSO,STC
NS	24	Red	Orion 650E	01-0790701-12		3.85" x 1.67" x 2.20"	W	FAA-TSO,STC
NS	24	Green	Pulsar NS (Right)	11-1280-B-24-R	22	4.00" x 1.90" x 1.50"	A	FAA-TSO
NS	24	Green	Pulsar NS (Right)	01-1280-B-24-R	22	4.00" x 1.90" x 1.50"	A	Experimental
NS	24	Green	Orion 650	01-0790725-11		3.95" x 1.79" x 1.68"	W	FAA-TSO,STC
NS	24	Green	Orion 650E	01-0790701-11		3.85" x 1.67" x 2.20"	W	FAA-TSO,STC
NSP	12	Green	Pulsar NSP (Right)	11-1280-C-12-R	20.5	4.00" x 1.90" x 1.50"	A	FAA-TSO
NSP	12	Green	Pulsar NSP (Right)	01-1280-C-12-R	20.5	4.00" x 1.90" x 1.50"	A	Experimental
NSP	12	Green	Orion 600	01-0771733-01		5.65" x 1.78" x 2.04"	W	FAA-TSO
NSP	12	Green	Orion 660	01-0790877-01		3.95" x 1.79" x 1.68"	W	FAA-TSO
NSP	12	Red	Pulsar NSP (Left)	11-1280-C-12-L	20.5	4.00" x 1.90" x 1.50"	A	FAA-TSO
NSP	12	Red	Pulsar NSP (Left)	01-1280-C-12-L	20.5	4.00" x 1.90" x 1.50"	A	Experimental
NSP	12	Red	Orion 600	01-0771733-02		5.65" x 1.78" x 2.04"	W	FAA-TSO
NSP	12	Red	Orion 660	01-0790877-02		3.95" x 1.79" x 1.68"	W	FAA-TSO
NSP	12	Red and Green Pair	Pulsar (Pair)	11-1100-12	39	5.60" x 1.90" x 1.40"	A	FAA-TSO
NSP	12	Red and Green Pair	Blaze (Pair)	01-95001-03		4.57" x 1.33" x 1.12"	W	Experimental
NSP	24	Green	Pulsar NSP (Right)	11-1280-C-24-R	22	4.00" x 1.90" x 1.50"	A	FAA-TSO
NSP	24	Green	Pulsar NSP (Right)	01-1280-C-24-R	22	4.00" x 1.90" x 1.50"	A	Experimental
NSP	24	Green	Orion 600	01-0771733-11		5.65" x 1.78" x 2.04"	W	FAA-TSO
NSP	24	Green	Orion 660	01-0790877-11		3.95" x 1.79" x 1.68"	W	FAA-TSO
NSP	24	Green	90613 Series	01-0790613-91		5.61" x 1.77" x 5.82"	W	FAA-TSO,STC
NSP	24	Red	Pulsar NSP (Left)	11-1280-C-24-L	22	4.00" x 1.90" x 1.50"	A	FAA-TSO
NSP	24	Red	Pulsar NSP (Left)	01-1280-C-24-L	22	4.00" x 1.90" x 1.50"	A	Experimental
NSP	24	Red	Orion 600	01-0771733-12		5.65" x 1.78" x 2.04"	W	FAA-TSO
NSP	24	Red	Orion 660	01-0790877-12		3.95" x 1.79" x 1.68"	W	FAA-TSO
NSP	24	Red	90613 Series (Caravan)	01-0790613-92		5.61" x 1.77" x 5.82"	W	FAA-TSO,STC
NSP	24	Red and Green Pair	Pulsar (Pair)	11-1100-24	45	5.60" x 1.90" x 1.40"	A	FAA-TSO
P	12	White	71554 Series Horizontal Aft	01-0771554-11		2.16" x 1.71" x 2.32"	W	FAA-TSO,STC
P	12	White	71554 Series Vertical Aft	01-0771554-12		2.16" x 1.71" x 2.32"	W	FAA-TSO,STC
P	12	White	Orion 500 Tail Position	01-0771774V01		2.17" x 1.71" x 3.72"	W	FAA-TSO,STC
P	24	White	71554 Series Horizontal Aft	01-0771554-01		2.16" x 1.71" x 2.32"	W	FAA-TSO,STC
P	24	White	71554 Series Vertical Aft	01-0771554-02		2.16" x 1.71" x 2.32"	W	FAA-TSO,STC
P	24	White	Orion 500 Tail Position	01-0771774V02		2.17" x 1.71" x 3.72"	W	FAA-TSO,STC
PS	12	White	SunTail	11-1260-12	12	2.20" x 1.70" x 1.40"	A	FAA-TSO
PS	12	White	SunTail	01-1260-12	12	2.20" x 1.70" x 1.40"	A	Experimental
PS	12	White	Polaris Position Bulb	11-7512-12	7	2.00" x 1.30" x 1.10"	A	FAA-PMA
PS	12	White	Orion 550	01-0772070V01	12	1.87" x 1.75" x 2.17"	W	FAA-TSO
PS	24	White	SunTail	11-1260-24	12	2.20" x 1.70" x 1.40"	A	FAA-TSO
PS	24	White	SunTail	01-1260-24	12	2.20" x 1.70" x 1.40"	A	Experimental
PS	24	White	Polaris Position Bulb	11-7512-24	7	2.00" x 1.30" x 1.10"	A	FAA-PMA

Beacon Lights

AeroLEDs and Whelen have a variety of TSO certified beacon options



AeroLEDs SunBeacon II
FAA-TSO approved red or white beacon
- Direct replacement for standard rotating aircraft beacons and flashing beacons
- Extremely low profile for reduced drag
- Requires zero maintenance



Whelen 90520
FAA-TSO and STC approved flashing red/white split beacon
- Designed to replace strobe light heads as small as the A470A
- Mounting plate included



Whelen 90724
FAA-TSO approved red beacon
- Obsolete the "old style" mechanical oscillating beacons
- No moving parts, no EMI/RFI, and no inrush spikes
- Crisp on-off cycles



Whelen 71080
FAA-TSO and STC approved red beacon
- Designed to replace exisiting beacons utilizing a 2½" diameter footprint
- Can also replace remote mounted strobe lights
- Internal mounting plate is provided with the choice of mounting holes to retrofit most existing mounting patterns



Whelen 71410
FAA-TSO approved white beacon
- Designed to replace 3¾" opening found with Whelen's HRCFA/SACF style strobe units
- Also designed to replace rotating beacons

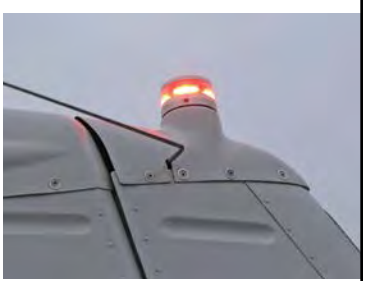


Whelen Orion 360
FAA-TSO and STC approved red, white, or red/white split beacons
- Designed to replace legacy 90520, 71410, and 71055 series beacons
- Lower profile than legacy product by 60%









For PMA approved aircraft eligibility, visit our website
Scan this code

Manufacturer: A AeroLEDs W Whelen Aerospace Technologies (WAT)

Battery Voltage	Color	Description	Part Number	Watts	Dimensions	Mfg	Approval
12	Red	71080 Series, A470A Mount, Mate-N-Lock	01-0771080-51		2.60" x 2.60" x 3.64"	W	EASA-STC, FAA-PMA,STC
12	Red	71080 Series, 3.75” Adapt, Flying Leads	01-0771080-55		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
12	Red and White Split	90520 Series, A470A Mount, Mate-N-Lock	01-0790520-51		2.60" x 2.60" x 3.64"	W	EASA-STC, FAA-PMA,STC
12	Red and White Split	90520 Series, 3.75” Adapt, Flying Leads	01-0790520-55		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
12	Red and White Split	Orion 360, 2.6” Base	01-0772010-70		2.60" x 2.60" x 1.60"	W	FAA-STC
12	Red and White Split	Orion 360, 3.75” Base	01-0772010-72		3.67" x 3.67" x 2.83"	W	FAA-STC
12	Red	Orion 360, 2.6” Base	01-0772010-50		2.60" x 2.60" x 1.60"	W	FAA-STC
12	Red	Orion 360, 3.75” Base	01-0772010-52		3.67" x 3.67" x 2.83"	W	FAA-STC
12	Red	SunBeacon II	11-2200-A-12	17	2.50" x 2.50" x 1.60"	A	FAA-TSO
12	White	SunBeacon II	11-2200-B-12	17	2.50" x 2.50" x 1.60"	A	FAA-TSO
24	Red	71080 Series, A470A mount	01-0771080-01		2.60" x 2.60" x 3.64	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 5 Hole Adapt, Flying Leads	01-0771080-04		5.14" x 5.14" x 3.64	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 3.75” Adapt, Flying Leads	01-0771080-05		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Continued from previous page

Battery Voltage	Color	Description	Part Number	Watts	Dimensions	Mfg	Approval
24	Red	71080 Series, 1.750” mount pattern	01-0771080-06		2.60" x 2.60" x 3.64"	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 3.75” Adapt, MSConn, Lower	01-0771080-07		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 5 Hole Adapt, MSConn	01-0771080-08		5.14" x 5.14" x 5.43"	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 5 Hole Adapt, Flying Leads, Lower	01-0771080-14		5.14" x 5.14" x 3.64"	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 3.75” Adapt, Flying Leads, Lower	01-0771080-15		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 3.75” Adapt, MSConn, Lower	01-0771080-17		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, 5 Hole Adapt, MSConn, Lower	01-0771080-18		5.14" x 5.14" x 5.43"	W	EASA-STC, FAA-PMA,STC
24	Red	71080 Series, Airbus Helicopter	01-0771080-30		2.70" x 5.95" x 5.79"	W	EASA-STC, FAA-PMA,STC
24	Red	Orion 360, 2.6” Base	01-0772010-10		2.60" x 2.60" x 1.60"	W	FAA-STC
24	Red	Orion 360, 3.75” Base	01-0772010-12		3.67" x 3.67" x 2.83"	W	FAA-STC
24	Red	Orion 360, 3.75” Base Lower Mount	01-0772010-13		3.67" x 3.67" x 2.83"	W	FAA-STC
24	Red	SunBeacon II	11-2200-A-24	17	2.50" x 2.50" x 1.60"	A	FAA-TSO
24	Red	90724 Series, Upper 5-mount, Cable Pigtail	01-0790724-12		9.88" x 2.38" x 2.70"	W	FAA-TSO
24	Red	90724 Series, 5-hole Rudder Mount, Cable Pigtail	01-0790724-14		9.88" x 2.38" x 2.70"	W	FAA-TSO
24	Red	90724 Series, Lower 8-hole Mount, Cable Pigtail	01-0790724-19		11.43" x 3.87" x 2.84"	W	FAA-TSO
24	Red and White Split	90520 Series, A470A Mount, Flying Leads	01-0790520-01		2.60" x 2.60" x 3.64"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 5 Hole Adapt, Flying Leads	01-0790520-04		5.14" x 5.14" x 3.64"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 3.75” Adapt, Flying Leads	01-0790520-05		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 3.75” Adapt, MSConn	01-0790520-07		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 5 Hole Adapt, MSConn	01-0790520-08		5.14" x 5.14" x 5.43"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 5 Hole Adapt, Flying Leads, Lower	01-0790520-14		5.14" x 5.14" x 3.64"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 3.75” Adapt, Flying Leads, Lower	01-0790520-15		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 3.75” Adapt, MSConn, Lower	01-0790520-17		3.66" x 3.66" x 3.92"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	90520 Series, 5 Hole Adapt, MSConn, Lower	01-0790520-18		5.14" x 5.14" x 5.43"	W	EASA-STC, FAA-PMA,STC
24	Red and White Split	Orion 360, 2.6” Base	01-0772010-30		2.60" x 2.60" x 1.60"	W	FAA-STC
24	Red and White Split	Orion 360, 3.75” Base	01-0772010-32		3.67" x 3.67" x 2.83"	W	FAA-STC
24	Red and White Split	Orion 360, 3.75” Base Lower Mount	01-0772010-33		3.67" x 3.67" x 2.83"	W	FAA-STC
24	White	Orion 360	01-0772010-20		2.60" x 2.60" x 1.60"	W	FAA-STC
24	White	Orion 360	01-0772010-22		3.67" x 3.67" x 2.83"	W	FAA-STC
24	White	Orion 360	01-0772010-23		3.67" x 3.67" x 2.83"	W	FAA-STC
24	White	SunBeacon II	11-2200-B-24	17	2.50" x 2.50" x 1.60"	A	FAA-TSO
24	White	71410 Series, 2.75” Base	01-0771410-01		2.60" x 2.60" x 3.64"	W	FAA-TSO
24	White	71410 Series, 3.66” Base Upper Mount	01-0771410-05		3.66" x 3.66" x 3.92"	W	FAA-TSO
24	White	71410 Series, 5.14” Base Upper Mount	01-0771410-08		5.14" x 5.14" x 5.43"	W	FAA-TSO
24	White	71410 Series, 3.66” Base Lower Mount	01-0771410-15		3.66" x 3.66" x 3.92"	W	FAA-TSO
24	White	71410 Series, 5.14” Base Lower Mount	01-0771410-18		5.14" x 5.14" x 5.43"	W	FAA-TSO

Manufacturer: A AeroLEDs W Whelen Aerospace Technologies (WAT)








Lighting Kits, Accessories, and Replacement Lenses

We offer a variety of replacement lighting components and aircraft specific kits!

AeroLEDs Landing and Taxi Light Kits
FAA-PMA/STC approved for Beechcraft, Cessna, and Pilatus Aircraft

- 5-year warranty
- Thermal protection
- Consumes less power, outputs more light
- Unaffected by vibration, compared to incandescent bulbs

AEROLEDS™



P/N 900-01-100-C
SunSpot Pilatus Taxi



P/N 900-01-100-A
SunSpot Pilatus Landing

Models	Kit P/N	Figure	Kit Contents
Beechcraft			
65-90, 65-A90, 65-A90-1, 65-A90-2, 65-A90-3,65-A90-4, B90, C90, C90A, C90GT, E90, H90,100, A100, A100A, A100C, B100,200, A200, 200T, A200C, 200C, A200CT, 200CT,B200, B200C, B200T, B200CT, 300, B300,B300C, B200GT, B200CGT	KIT-0041	18	(2) SunSpot 36 LX Landing Lights (01-1030-L-A) (1) SunSpot 36 LX Taxi Light (01-1030-L-B)
Cessna			
208, 208B	KIT-0042	19	(1) SunSpot 36-4587 Taxi Light (01-1030-4587) (1) SunSpot 46-4580 Landing Light (01-2230-4580)
Pilatus			
Pilatus, PC12	KIT-0034	15	(2) Pilatus Landing Lights (900-01-100-A) (1) Pilatus Taxi Light, (900-01-100-C) (2) Pilatus Spec Landing and Taxi Connectors

AeroLEDs and Whelen Lighting Accessories
Mounting kits, connectors, flashers, and more!

- FAA-PMA/STC approved
- 5-year warranty
- Thermal protection
- Consumes less power, outputs more light
- Unaffected by vibration, compared to incandescent bulbs

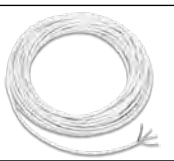
AEROLEDS™

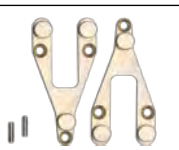
WAT
WHELEN AEROSPACE TECHNOLOGIES

Lighting Accessories		
Description	**Figure**	**P/N**
Connector pin crimpers	1	02-1000
20 AGW, 4 C Tefzel Shielded Wire (25 ft spools)	2	00-8677
18 AGW, 4 C Tefzel Shielded Wire (25 ft spools)	3	00-8678
NS Mount Kit (Single kit)	4	KIT-0008
SunBeacon II Twist Mount Kit	5	01-1096
Synchronizer	6	00-8120
ProTech Lens Cover Sunspot 36	7	KIT-0003
Mount Kit, Aerosun	8	KIT-0012
ProTech Lens Cover Sunspot 46	9	KIT-0013
RV KIT Pulsar NS, SunTail	10	KIT-0016
RV KIT Pulsar NS, SunTail, 2 AeroSun	11	KIT-0017
RV KIT Pulsar NS, SunTail, 2 SunRay Plus	12	KIT-0018
RV KIT Pulsar ExP, 2 AeroSuns	13	KIT-0019
Mount Kit, Sunray Plus	16	KIT-0035
CONNECTOR KIT, TYCO	17	KIT-0037
MOUNT CUP, 3.75" Adapter, SunBeacon II	20	KIT-0049
ADAPTER PLATE, Pulsar/Pulsar NS, Aeroflash Conversion	21	KIT-0053
Fairing Adapter ***New!***	22	KIT-01-1091
Eco Flasher Box 5A 10-28V DC ***New!***	23	01-0771700-00
Flasher Assembly (fits with Anti-Collision Light P/N 01-0771987-00 for Restart Cessnas) ***New!***	14	01-0771985-17

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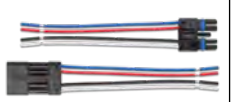

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Lighting Kits, Accessories, and Replacement Lenses continued from previous page

We offer a variety of replacement lighting components and aircraft specific kits!

Replacement Lenses and Bulbs		
Description	**Figure**	**P/N**
Light Bulb, Replacement Starlight 28V	1	01-7079-24
A469B Flash Tube Assembly	2	01-0770044-02
A610 Flash Tube Assembly	3	02-0250276-00
ERC Halogen Tail Lamp 14V	4	34-0412070-63
Reflector Lamp	5	34-0428020-65
Red Lens Assembly[1]	6	68-2170504-50
Red and White Split Lens Assembly[1]	7	68-2170504-60
A612 Standard Clear Lens	8	68-2290005-30
Green Glass Dome (Position Light Lens)[2]	9	68-4230020-40
Red Glass Dome (Position Light Lens)[2]	10	68-4230020-50
Parmetheus Plus PAR36 Series Lens		68-3971486A30
Strobe Light Mounting Bracket for PA-18 and PA-19	11	2087

Notes:
[1] Used in Whelen A470A, 7509, 70285, and HRCFA series Anti-Collision Assemblies
[2] Used with the A650 PG/PR Anti-Collision Assembly as well as Legacy A429, A600 PG/PR, 90029, 90159, 90193, 90209, W1250 PG/PR, and W1285 Whelen model assemblies

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AEROLEDS™
WAT
WHELEN AEROSPACE TECHNOLOGIES


Lighting
Safety, visibility, and recognition!
Landing, Taxi, Recognition, Navigation, Strobe, Position, and Beacon

AEROLEDS™ WAT

Wing Tip Bracket

NEW

FAA-STC for Beech Bonanzas and Barons with wrap-around style wing tip lenses
P/N GAL01-5720-001
Easily install Whelen lighting without the hassle of major modifications!

- Avoid expensive flashtubes for your strobes or obsolete replacements by having the option to install upgraded lights!
- Save time and $$$
- 5 year warranty

Updated lights will give you better recognition for safety and visibility!

Can be equipped with WAT lights:

- Orion 500 tail LED nav and strobe (white)
- Orion 650E nav (red or green) and white LED strobe (14V or 28V)
- 71125 forward facing LED recognition/landing

Manufactured by Gallagher Aviation





STC Approved Beech Models with Wrap-around Wing Tips Lenses
35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35R, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, 36, A36, A36TC, B36TC, G36, E33, E33A, E33C, F33, F33A, F33C, D55, D55A, E55, E55A, 56TC, A56TC, 58

Note: early models must be modified with wrap-around wing tip lenses

Wing Tips for AeroLEDs Lights

Optimized for use with AeroLEDs Pulsar LED nav/strobe
The wing tips are built by Stene Aviation using the latest resins and aviation grade E-glass weaves to insure the highest quality of part.

	LH		RH	
Aircraft	SA-0523565-29LED	SA-0723200-5LED	SA-0523565-30LED	SA-0723200-6LED
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150L,M	•		•	
152, A152	•		•	
170, 170A,B	•		•	
172, 172A,B,C,D,E,F,G,H,I,K,L	•		•	
172M,N,P,Q,R,S, 172RG, R172K		•		•
175, 175A,B,C	•		•	
180, 180A,B,C,D,E,F,G,H	•		•	
180J,K		•		•
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N	•		•	
182P,Q,R,S, R182, TR182, T182		•		•
185, 185A,B,C,D,E, A185E	•		•	
A185F		•		•
210-5 (205), 210-5A (205A)	•		•	
206, U206, U206A,B,C,D,E, TU206A,B,C,D,E	•		•	
U206F,G, TU206F,G, 206H, T206H		•		•
P206, P206A,B,C,D, TP2006A,B,C,D	•		•	
207, 207A, T207, T207A	•		•	
210, 210A,B,C,D,E,F, T210F	•		•	



For our full line of Exterior and Interior Plastic and Fiberglass parts see pages 407-451!

Quasar Cx LED Lighted Wing Tips

FAA-PMA/STC approved integrated LED landing lights with pulse recognition mode

- Brighter than any other product on the market
- Works with existing cowl mounted lights
- Recognition mode integrated into the light assembly
- No additional light controllers required
- Enhanced in flight recognition of the aircraft
- Accommodates legacy nav/strobe lights but optimized for use with AeroLEDs navigation/strobe lighting





This all new wing tip lighting package brings the latest technology to the GA market with integrated landing, taxi, and recognition modes. These Wing Tips are brighter than any other product on the market including other PAR36 LED and HID lighting solutions.

Recognition mode is integrated into the light assembly and does not require additional light controllers to flash the LED lights. This feature dramatically enhances in-flight recognition of the aircraft, which reduces the possibility of collisions.

The built-in mounting location for the nav/strobe assembly is designed to accommodate legacy nav/strobes, but optimized for use with the AeroLEDs Pulsar NSP LED nav/strobes.

Wing Tip Types	Integrated Operational Modes	Multi-Voltage Operation	Power (Watts)	Lumens	Candela	Recognition Wig-Wag Mode
Quasar Cx LED lighted wing tips	Landing	Yes, 14/28v	190	17,000+	300,000+	Built-in
	Taxi		38	3,500	26,000+	
	Recognition		95	8,500+	150,000+	
Whelen PAR36 LED lighted wing tips	None		38	3496	120,000	No
HID lighted wing tips	None		70	6440	250,000	No

Kit P/N SA-0523565-2930LL
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150L,M
152, A152
170, 170A,B
172, 172A,B,C,D,E,F,G,H,I,K,L
F172D,E,F,G,H,K,L
FP172D, P172D
175, 175A,B,C
180, 180A,B,C,D,E,F,G,H
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N
185, 185A,B,C,D,E, A185E
210-5 (205), 210-5A (205A)
206, U206, U206A,B,C,D,E, TU206A,B,C,D,E
P206, P206A,B,C,D, TP2006A,B,C,D, P206E, TP206E
207, 207A, T207, T207A
210, 210A,B,C,D,E,F, T210F
Kit P/N SA-0723200-56LL
172M,N,P,Q,R,S, 172RG, R172K
F172,M,N,P
180J,K
182P,Q,R,S, R182, TR182, T182
182T, T182T, F182P,Q, FR182
A185F
U206F,G, TU206F,G, 206H, T206H

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McFarlane offers a huge selection of plastic and fiberglass trim and fairings!

Plastic and fiberglass exterior parts from Aircraft Development, Knots2U, Stene Aviation, and Texas Aeroplastics

Aircraft Development
Aircraft Development replacement wing tips and landing gear fairings are extra light-weight, made from an epoxy fiberglass construction, and are six times stronger and twelve times stiffer than original plastic. They are weather and UV resistant, won't become brittle and are easily repairable.

Knots 2U
Knots 2U replacement parts are made from the highest quality hand laid fiberglass. This provides for superior strength, reduced weight, and long life. The latest technology resins are used to prevent warping and shrinkage that can happen with other fiberglass. Advanced tooling and pattern techniques assure a superior fit.

Stene Aviation
Stene Aviation fiberglass replacement parts are five times stronger than the original plastic parts offered by Cessna. They are exact replacements of the originals and come primed and ready for paint. The product line includes Cessna wing tips, strut cuffs, fin caps, rudder caps/bottoms, stabilizer tips, wheel pants, and much more.

Texas Aeroplastics
Texas Aeroplastics replacement parts are made from top grade ABS plastic with an average service life of 15-20 years when properly fitted and professionally painted. ABS plastic parts are repairable and most have been trimmed for easy installation. All exterior ABS plastic parts are white.











Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Wing Tips

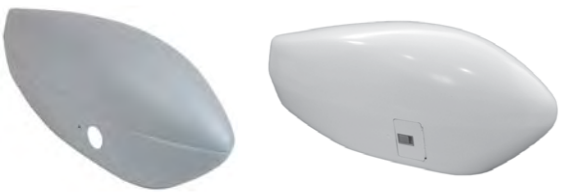
- Available in plastic and fiberglass
- Conical wing tips accommodate both a strobe and nav light
- Symmetrical wing tips accommodate a strobe light



Main Wheel Fairings (Wheel Pants)

Easy tire valve access!

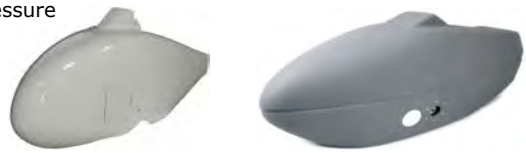
- Available in fiberglass
- Knots 2U main wheel fairings feature an access door to easily check tire pressure
- Stene Aviation main wheel fairings feature a removable plastic plug to easily check tire pressure



Nose Wheel Fairings (Wheel Pants)

Easy tire valve access!

- Available in ABS plastic and fiberglass
- Knots 2U nose gear fairings feature an access door to easily check tire pressure
- Feature a removable plastic plug to easily check tire pressure



Strut Fairings

Strut to Wing and Strut to Fuselage Fairings

Plastic un-split (FAA-PMA) fairings by Texas Aeroplastics



Fiberglass split fairings (FAA-PMA/STC) for easy installation, and un-split (FAA-PMA) by Stene Aviation



Plastic PRO split fairings (FAA-PMA) for easy installation by Knots 2U



Fiberglass split fairings (FAA-PMA) for easy installation by Aircraft Development.



Cowl Fairings

Available in fiberglass



Air Scoop



Upper Cowl Nose Cap



Lower Cowl Nose Cap



Lower Cowl Lip

Main Landing Gear Fairings

Split for easy installation. Available in plastic from Texas Aeroplastics...



...and in fiberglass from Aircraft Development and Stene Aviation



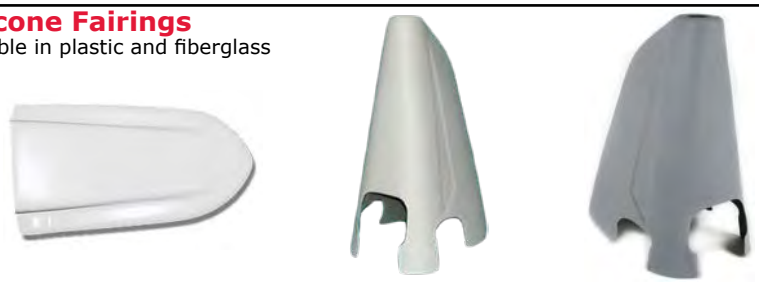
Lower Rear Wing Fairings

Available in fiberglass



Tailcone Fairings

Available in plastic and fiberglass



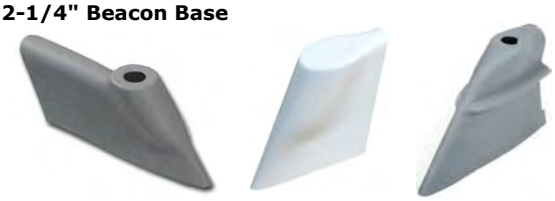
Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Vertical Fin Caps
Available in plastic and fiberglass

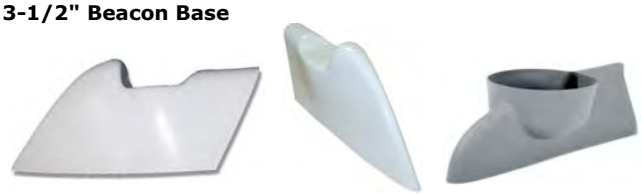
No flashing beacon



2-1/4" Beacon Base



3-1/2" Beacon Base



Brake Cover Fairings
Split for easy installation!
Available in plastic and fiberglass



Fuel Strainer Cover
Available in fiberglass



Tailwheel Steering Cable Fairings
Available in fiberglass



Trailing Edge Wing Root Fairing
Available in fiberglass



Rudder Caps
Available in plastic and fiberglass

Rudder Top Caps



Rudder Butts



Dorsal Fin Tips
Available in plastic and fiberglass

Forward Dorsal Fin Tips
Small triangle at the front of the dorsal fin



Aft Dorsal Fin Tips
Dorsal fin transition into the vertical fin



Horizontal Stabilizer Tips
Available in plastic and fiberglass

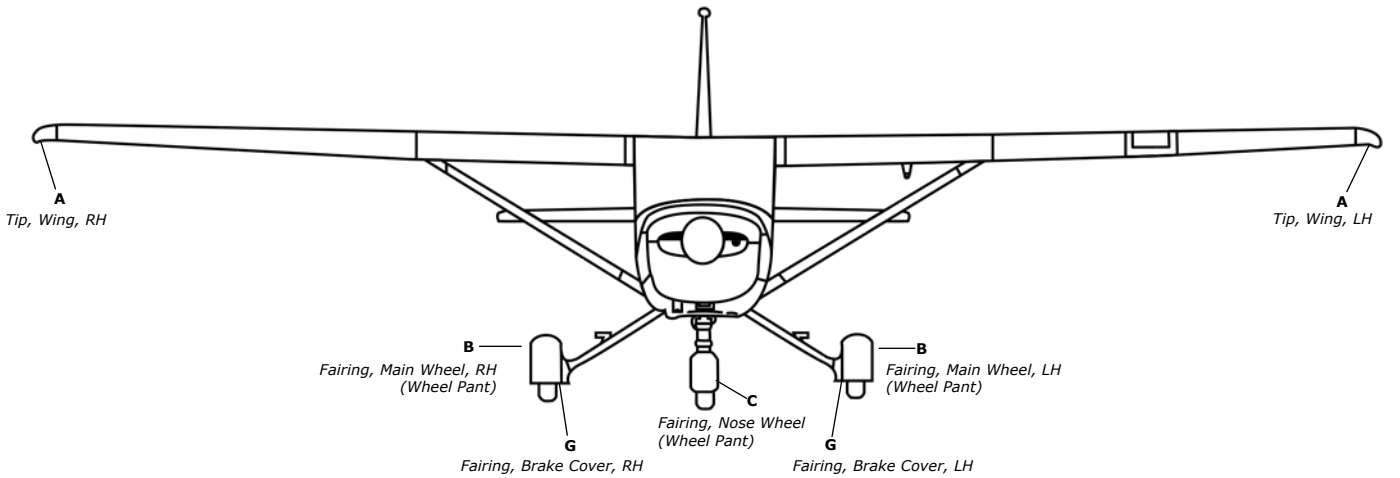


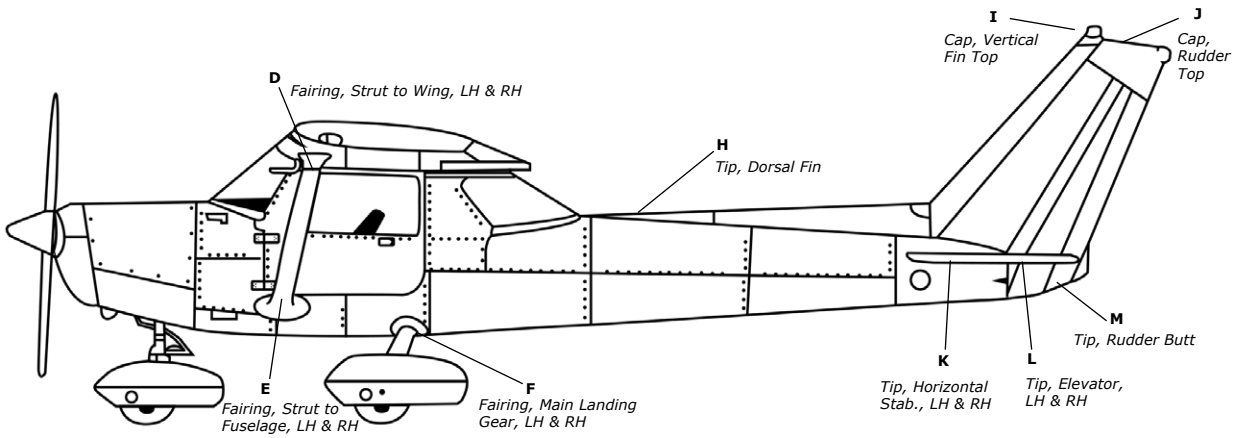
Elevator Tips
Available in plastic and fiberglass



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 150 thru 152 Series





150, 150A,B,C,D,E
S/N 17001 thru 15061532

Description	Idx	Part Number
Fairing, Main Lndg Gear LH	F	FS-150-LG T
Fairing, Main Lndg Gear RH	F	FS-150-RG T
Fairing, Strut to Fuslg LH	E	SA-0421002-1SP 3 S
Fairing, Strut to Fuslg RH	E	SA-0421002-2SP 3 S
Fairing, Strut to Wing, LH	D	SA-0522150-3SP 3 S
Fairing, Strut to Wing, RH	D	SA-0522150-4SP 3 S
Rudder Bottom	M	K0430004-1-791 K
		SA-0430004-1 S
Rudder Top	J	GF0430004-2-791 1 K
		SA-0430004-2 1 S
		SA-0430004-8 2 S
Tip, Dorsal Fin, Vertical	H	GF0430004-00 1 K
		GF0430004-7-791 2 K
		SA-0430004-4 1 S
		SA-0430004-7 2 S
Tip, Elevator, LH or RH	L	26-09 T
		GF0430004-10791 2 K
		GF0430004-5-791 1 K
		SA-0430004-10 2 S
		SA-0430004-5 1 S
Tip, Horiz., Stab., LH or RH	K	26-08 T
		GF0430004-11791 K
		SA-0430004-11 2 S

Continued in the next column

Continued from previous column

150, 150A,B,C,D,E continued
S/N 17001 thru 15061532

Description	Idx	Part Number
Tip, Vertical & Horizontal Stab	I	GF0430004-6-791 1 K
		SA-0430004-6 1 S
Tip, Vertical, No Beacon	I	SA-0430004-9 2 S
Tip, Wing, Conical, LH	A	SA-0523565-29 5 6 S
Tip, Wing, Conical, RH	A	SA-0523565-30 5 6 S
Tip, Wing, Std., LH or RH	A	K0723615-200 K
		SA-0723615-200 S
Tip, Wing, Hoerner Style	A	11004 (set of two) K
Wing Pos., Light Shield, RH	A	219-4-6 4 A

Notes:
1 S/N 17001 thru 15060087 only
2 S/N 15060088 and on
3 FAA-PMA/STC approved split Fairing for easy install and removal
4 For wings with a conical wing tip
5 For kits including LH and RH, see Lighting section of catalog
6 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 150 thru 152 Series
continued from previous page

150F,G,H,J,K
S/N 15061533 thru 15072003

Description	Idx	Part Number
Cap, Rudder Top	J	26-0431013-1-80A T
		SA-0431013-1 S
Cap, Vertical Fin Top No Beacon Base	I	K0431013-3-791 K
		SA-0431013-3 S
Cap, Vertical Fin Top 2 ¼" Beacon Base	I	26-0431017-1-80A T
		SA-0431017-1 S
Fairing, Main Landing Gear LH	F	FS-150-LG T
Fairing, Main Landing Gear RH	F	FS-150-RG T
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741046-203 9 K
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741046-202 9 K
Fairing, Nose Wheel (Wheel Pant)	C	K0743625-14 9 K
Fairing, Strut to Fuselage, LH	E	150-LFS 7 T
		K0421002-1 8 12 T
		SA-0421002-1 11 8 S
Fairing, Strut to Fuselage, RH	E	150-RFS 7 T
		K0421002-2 8 12 T
		SA-0421002-2 11 8 S
Fairing, Strut to Wing, LH	D	150-LWS 7 T
		K0522150-3 8 12 K
		SA-0522150-3 11 8 S
Fairing, Strut to Wing, RH	D	150-RWS 7 T
		K0522150-4 8 12 K
		SA-0522150-4 11 8 S
Tip, Dorsal Fin	H	SA-0431024-1 S
Tip, Elevator, LH or RH	L	26-09 T
		GF0430004-10791 K
		SA-0430004-10 S
Tip, Horizontal Stab., LH or RH	K	26-08 T
		GF0430004-11791 K
		SA-0430004-11 S
Tip, Rudder Butt	M	26-11 T
		GF0431005-1-791 K
		SA-0431005-1 S
Tip, Wing, Conical, LH	A	20-51L-80A 10 T
		SA-0523565-29 14 6 S
Tip, Wing, Conical, RH	A	20-51R-80A 10 T
		SA-0523565-30 14 6 S
Tip, Wing, Sym., LH or RH	A	26-0423008-3-80A T
		SA-0423008-3 S
Tip, Wing, Hoerner Style	A	11004 (set of two) K
Wing Pos., Light Shield, RH	A	219-4-6 13 A

150L,M
S/N 15072004 thru 15079405

Description	Idx	Part Number
Cap, Rudder Top	J	26-0431013-1-80A 16 T
		26-15-80A 19 T
		GF0430011-2 19 K
		SA-0430011-2 19 S
		SA-0431013-1 16 S
Cap, Vertical Fin Top No Beacon Base	I	K0431013-3-791 K
		SA-0431013-3 S

Continued in the next column

Continued from previous column

150L,M continued
S/N 15072004 thru 15079405

Description	Idx	Part Number
Cap, Vertical Fin Top 2 ¼" Beacon Base	I	26-0431017-1-80A 16 T
		26-12 19 T
		GF0430011-1 19 K
		SA-0430011-1 19 S
		SA-0431017-1 16 S
Fairing, Brake Cover, LH	G	26-07-LBC 19 T
		SA-0441227-1 S
Fairing, Brake Cover, RH	G	26-07-RBC 19 T
		SA-0441227-2 S
Fairing, Main Landing Gear, LH	F	26-06L T
		SA-0441217-15 S
Fairing, Main Landing Gear, RH	F	244-4-14 A
		26-06R T
		SA-0441217-14 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 18 K
		SA-0541203-1 15 S
		SA-0541223-17 17 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 18 K
		SA-0541203-2 15 S
		SA-0541223-16 17 S
Fairing, Nose Wheel (Wheel Pant)	C	20-40N-80A T
		GF0543079-00 20 17 K
		SA-0543065-1 15 S
		SA-0543079-3 17 S
Fairing, Strut to Fuselage, LH	E	150-LFS T
		K0421002-1 12 T
		SA-0421002-1 11 S
Fairing, Strut to Fuselage, RH	E	150-RFS T
		K0421002-2 12 T
		SA-0421002-2 11 S
Fairing, Strut to Wing, LH	D	150-LWS T
		K0522150-3 12 K
		SA-0522150-3 11 S

Notes:
6 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
7 S/N 15064533 and on
8 S/N 15067199 and on
9 S/N 15069309 and on
10 S/N 15071129 and on
11 Also available as a FAA-PMA/STC approved split Fairing for easy installation and removal; add an "SP" suffix to the P/N
12 This is an ABS plastic part, split for easy installation
13 For wings with a conical wing tip
14 For kits including LH and RH see page 414
15 S/N 15072004 thru 15074850 only
16 S/N 15072004 thru 15075781 only
17 S/N 15074851 and on
18 S/N 15074851 thru 15077005 only
19 S/N 15075782 and on
20 Not for aircraft with heavy duty nose gear

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 150 thru 152 Series
continued from previous page

150L,M continued
S/N 15072004 thru 15079405

Description	Idx	Part Number
Fairing, Strut to Wing, RH	D	150-RWS T
		K0522150-4 12 K
		SA-0522150-4 11 S
Tip, Dorsal Fin	H	26-10 T
		SA-0431024-1 S
Tip, Elevator, LH or RH	L	26-09 T
		GF0430004-10791 K
		SA-0430004-10 S
Tip, Horizontal Stab., LH or RH	K	26-08 T
		GF0430004-11791 K
		SA-0430004-11 S
Tip, Rudder Butt	M	26-11 T
		GF0431005-1-791 K
		SA-0431005-1 S
Tip, Wing, Conical, LH	A	20-51L-80A T
		GF0523565-29791 T
		SA-0523565-29 14 6 S
Tip, Wing, Conical, RH	A	20-51R-80A T
		GF0523565-30791 T
		SA-0523565-30 14 6 S
Tip, Wing, Sym., LH or RH	A	26-0423008-3-80A T
		SA-0423008-3 S
Tip, Wing, Hoerner Style	A	11004 (set of two) K
Wing Pos., Light Shield, RH	A	219-4-6 13 A

A150K,L,M
S/N A1500001 thru A1500734

Description	Idx	Part Number
Cap, Rudder Top	J	26-0431013-1-80A 22 T
		26-15-80A 27 T
		GF0430011-2 27 K
		SA-0430011-2 27 S
		SA-0431013-1 22 S
Cap, Vertical Fin Top No Beacon Base	I	K0431013-3-791 22 K
Cap, Vertical Fin 2 ¼" Beacon Base	I	26-12 27 T
		GF0430011-1 27 K
		SA-0430011-1 27 S
		SA-0431017-1 22 S
Fairing, Brake Cover, LH	G	SA-0441227-1 27 S
Fairing, Brake Cover, RH	G	SA-0441227-2 27 S
Fairing, Main Landing Gear, LH	F	26-06L T
		SA-0441217-15 24 S
Fairing, Main Landing Gear, RH	F	244-4-14 A
		26-06R T
		SA-0441217-14 24 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 25 K
		K0741046-203 21 K
		SA-0541203-1 23 S
		SA-0541223-17 26 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 25 K
		K0741046-202 21 K
		SA-0541203-2 23 S
		SA-0541223-16 26 S
Fairing, Nose Wheel (Wheel Pant)	C	20-40N-80A 24 T
		GF0543079-00 26 K
		K0743625-14 21 K
		SA-0543065-1 23 S
		SA-0543079-3 26 S

Continued on next column

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A150K,L,M continued
S/N A1500001 thru A1500734

Description	Idx	Part Number
Fairing, Strut to Fuslg, LH	E	SA-0522150-7 S
Fairing, Strut to Fuslg, RH	E	SA-0522150-6 S
Fairing, Strut to Wing, LH	D	SA-0421002-3 S
Fairing, Strut to Wing, RH	D	SA-0421002-4 S
Tip, Elevator, LH or RH	L	26-09 T
		GF0430004-10791 K
		SA-0430004-10 S
Tip, Horizontal Stab., LH or RH	K	26-08 T
		GF0430004-11791 K
		SA-0430004-11 S
Tip, Rudder Butt	M	26-11 T
		GF0431005-1-791 K
		SA-0431005-1 27 S
Tip, Wing, Conical Camber, LH	A	20-51L-80A T
		GF0523565-29791 24 K
		SA-0523565-29 14 6 S
Tip, Wing, Conical Camber, RH	A	20-51R-80A T
		GF0523565-30791 24 K
		SA-0523565-30 14 6 S
Tip, Wing, Sym., LH or RH	A	26-0423008-3-80A T
		SA-0423008-3 S
Wing Pos., Light Shield, RH	A	219-4-6 13 A

Notes:
6 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
13 For wings with a conical wing tip
14 For kits including LH and RH see Lighting section of catalog
21 S/N A1500001 thru A1500226
22 S/N A1500001 thru A1500523 only
23 S/N A1500227 thru A1500429 only
24 S/N A1500227 and on
25 S/N A1500430 thru A1500523 only
26 S/N A1500430 and on
27 S/N A1500524 and on
28 S/N F150-0001 thru F15000523, FA1500001 thru FA1500261 only
29 S/N F150-0001 thru F15000658
30 S/N F150-0001 thru F15001143 FA1500001 thru FA1500261 only
31 S/N F150-0001 thru F15001428, FA1500001 thru FA1500336 only
33 S/N F150-0001 thru F15001428, FA1500001 thru FA1500261 only
34 S/N F150-0220 thru F15001428 only
35 S/N F15000530 thru F15001428 only
36 S/N F15000530 thru F15001428, FA1500001 thru FA1500336 only
37 S/N F15000659 thru F15001143, and FA1500082 thru FRA1500120 only
38 S/N F15000659 thru F15001428, FA1500082 thru FRA1500261 only
39 S/N F15000659 thru F15001428, FA1500082 thru FRA1500336 only
40 S/N F15001014 thru F15001428 only
41 S/N F15001144 thru F15001428, FA1500082 thru FA1500336 only
42 S/N F15001144 thru F15001428, FA1500262 thru FA1500336 only
43 S/N F15001144 thru F15001428, FA1500262 thru FA1500336, FRA1500262 thru FRA1500336 only

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Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 150 thru 152 Series
continued from previous page

F150F,G,H,J,K,L,M, FA150K,L,M, FRA150L,M
S/N F150-0001 thru F15001428, FA1500001 thru FA1500336, FRA1500121 thru FRA1500261

Description	Idx	Part Number
Cap, Rudder Top	J	26-0431013-1-80A 30 T
		26-15-80A 43 T
		GF0430011-2 42 K
		SA-0431013-1 30 S
Cap, Vertical Fin Top No Beacon Base	I	K0431013-3-791 28 K
Cap, Vertical Fin 2 ¼" Beacon Base	I	SA-0430011-1 42 S
Fairing, Brake Cover, LH	G	SA-0441227-1 42 S
Fairing, Brake Cover, RH	G	SA-0441227-2 42 S
Fairing, Main Landing Gear LH	F	26-06L 39 T
		SA-0441217-15 39 S
Fairing, Main Landing Gear RH	F	26-06R 39 T
		SA-0441217-14 39 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 40 K
		K0741046-203 45 K
		SA-0541203-1 37 S
		SA-0541223-17 39 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 39 K
		K0741046-202 45 K
		SA-0541203-2 37 S
		SA-0541223-16 39 S
Fairing, Nose Wheel, Wheel Pant	C	20-40N-80A 39 T
		GF0543079-00 40 K
		K0743625-14 44 K
		SA-0543065-1 37 S
		SA-0543079-3 41 S
Fairing, Strut to Fuslg, LH	E	150-LFS 48 T
		K0421002-1 34 12 T
		SA-0421002-1 34 S
		SA-0522150-7 47 S
Fairing, Strut to Fuslg, RH	E	150-RFS 48 T
		K0421002-2 34 12 T
		SA-0421002-2 34 S
		SA-0522150-6 47 S
Fairing, Strut to Wing, LH	D	150-LWS 48 T
		K0522150-3 34 12 K
		SA-0421002-3 46 S
Fairing, Strut to Wing, RH	D	150-RWS 48 T
		K0522150-4 34 12 K
		SA-0421002-4 46 S
Tip, Dorsal Fin	H	SA-0431024-1 42 S
Tip, Elevator, LH or RH	L	26-09 T
		GF0430004-10791 31 K
		SA-0430004-10 33 S
Tip, Rudder Butt	M	26-11 35 T
		GF0431005-1-791 31 K
		SA-0431005-1 33 S
Tip, Horizontal Stab., LH or RH	K	26-08 T
		GF0430004-11791 31 K
		SA-0430004-11 33 S
Tip, Wing, Con. Camber LH	A	GF0523565-29791 K
		SA-0523565-29 38 14 S
Tip, Wing, Con. Camber RH	A	GF0523565-30791 K
		SA-0523565-30 38 14 S
Tip, Wing, LH	A	20-51L-80A 36 T
Tip, Wing, RH	A	20-51R-80A 36 T
Tip, Wing, Symmetrical	A	26-0423008-3-80A T
		SA-0423008-3 29 S

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152, A152, F152, FA152
S/N 15279406 thru 15286033, A1520735 thru A1521049, F15201429 thru F15201980, FA1520337 thru FA1520425

Description	Idx	Part Number
Cap, Rudder Top	J	26-15-80A T
		GF0430011-2 53 K
		SA-0430011-2 S
Cap, Vertical Fin Top 2 ¼" Beacon Base	I	26-12 50 T
		GF0430011-1 50 K
		SA-0430011-1 S
Fairing, Brake Cover, LH	G	26-07-LBC 49 T
		SA-0441227-1 S
Fairing, Brake Cover, RH	G	26-07-RBC 49 T
		SA-0441227-2 S
Fairing, Main Lndg Gear LH	F	26-06L T
		SA-0441217-15 S
Fairing, Main Lndg Gear RH	F	244-4-14 A
		26-06R T
		SA-0441217-14 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 K
		SA-0541223-17 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 K
		SA-0541223-16 S
Fairing, Nose Wheel (Wheel Pant)	C	20-40N-80A T
		GF0543079-00 K
		SA-0543079-3 S

Notes:
12 This is an ABS plastic part, split for easy installation
14 For kits including LH and RH see Lighting section of catalog
28 S/N F150-0001 thru F15000523, FA1500001 thru FA1500261 only
29 S/N F150-0001 thru F15000658
30 S/N F150-0001 thru F15001143 FA1500001 thru FA1500261 only
31 S/N F150-0001 thru F15001428, FA1500001 thru FA1500336 only
33 S/N F150-0001 thru F15001428, FA1500001 thru FA1500261 only
34 S/N F150-0220 thru F15001428 only
35 S/N F15000530 thru F15001428 only
36 S/N F15000530 thru F15001428, FA1500001 thru FA1500336 only
37 S/N F15000659 thru F15001143, FA1500082 thru FRA1500120 only
38 S/N F15000659 thru F15001428, FA1500082 thru FRA1500261 only
39 S/N F15000659 thru F15001428, FA1500082 thru FRA1500336 only
40 S/N F15001014 thru F15001428 only
41 S/N F15001144 thru F15001428, FA1500082 thru FA1500336 only
42 S/N F15001144 thru F15001428, FA1500262 thru FA1500336 only
43 S/N F15001144 thru F15001428, FA1500262 thru FA1500336, FRA1500262 thru FRA1500336 only
43 S/N F15001144 thru F15001428, FA1500262 thru FA1500336, FRA1500262 thru FRA1500336 only
44 S/N F150-0390 thru F15000658, FA1500001 thru FA1500081 only
45 S/N F15000530 thru F15000658, FA1500001 thru FA1500081 only
46 S/N FA1500001 thru FA1500120 only
47 S/N FA1500001 thru FA1500261 only
48 S/N F150-0001 thru F15001428 only
49 Model 152 only
50 Models 152, A152 only
51 Models 152, A152, F152 only
52 Models 152 and F152 only
53 S/N 15279406 thru 15286033, F15201429 thru F15201952, FA1520337 thru FA1520387 only
54 S/N A1520735 thru A1521049 only

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 150 thru 152 Series
continued from previous page

152, A152, F152, FA152 continued
S/N 15279406 thru 15286033, A1520735 thru A1521049, F15201429 thru F15201980, FA1520337 thru FA1520425

Description	Idx	Part Number
Fairing, Strut to Fuslg, LH	E	150-LFS 52 T
		K0421002-1 49 13 T
		SA-0421002-1 49 11 S
		SA-0421002-3 54 S
Fairing, Strut to Fuslg, RH	E	150-RFS 52 T
		K0421002-2 49 12 T
		SA-0421002-2 49 11 S
		SA-0421002-4 54 S
Fairing, Strut to Wing, LH	D	150-LWS 52 T
		K0522150-3 52 12 K
		SA-0522150-3 49 11 S
		SA-0522150-7 54 S
Fairing, Strut to Wing, RH	D	150-RWS 52 T
		K0522150-4 52 12 K
		SA-0522150-4 49 11 S
		SA-0522150-6 54 S
Tip, Dorsal Fin	H	26-10 49 T
		SA-0431024-1 49 S
Tip, Elevator, LH or RH	L	26-09 T
		GF0430004-10791 K
		SA-0430004-10 49 S
Tip, Horizontal Stab., LH or RH	K	26-08 T
		GF0430004-11791 K
		SA-0430004-11 50 S

Continued on next column

Manufacturer/Material: S Stene Aviation/Fiberglass, K Knots 2U/Fiberglass, A Aircraft Development/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

152, A152, F152, FA152 continued
S/N 15279406 thru 15286033, A1520735 thru A1521049, F15201429 thru F15201980, FA1520337 thru FA1520425

Description	Idx	Part Number
Tip, Rudder Butt	M	26-11 51 T
		GF0431005-1-791 K
		SA-0431005-1 54 S
Tip, Wing, Conical, LH	A	20-51L-80A T
		GF0523565-29791 K
		SA-0523565-29 14 6 S
Tip, Wing, Conical, RH	A	20-51R-80A T
		GF0523565-30791 K
		SA-0523565-30 14 6 S
Tip, Wing, Symmetrical	A	26-0423008-3-80A T
Wing Pos., Light Shield, RH	A	219-4-6 13 A

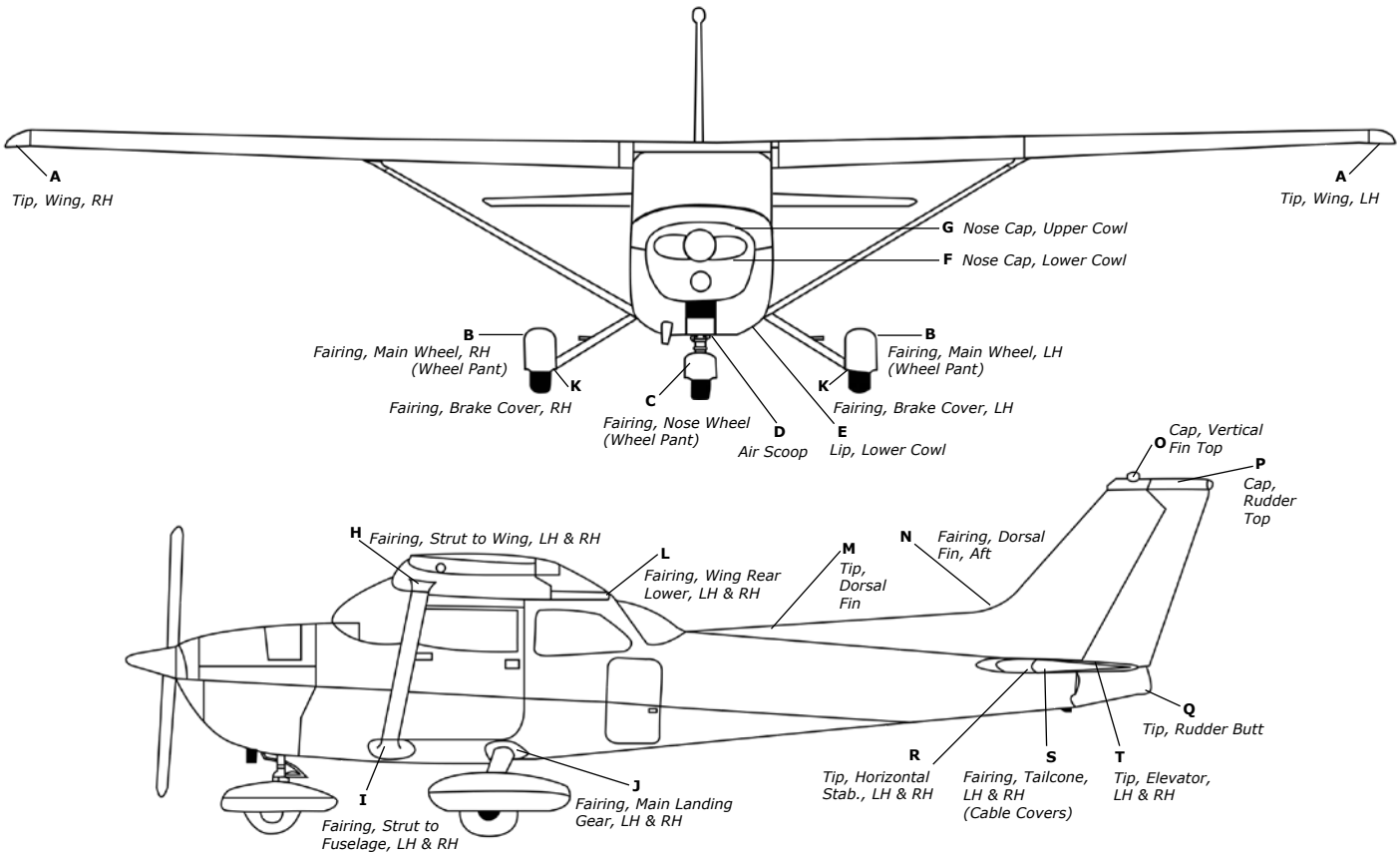
Notes:
6 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
11 Also available as a FAA-PMA/STC approved split Fairing for easy install and removal; add an "SP" suffix to the P/N
12 This is an ABS plastic part, split for easy installation
13 For wings with a conical wing tip
14 For kits including LH and RH see Lighting section of catalog
49 Model 152 only
50 Models 152, A152 only
51 Models 152, A152, F152 only
52 Models 152 and F152 only
53 S/N 15279406 thru 15286033, F15201429 thru F15201952, FA1520337 thru FA1520387 only
54 S/N A1520735 thru A1521049 only

Kits for 150-152 aircraft

Kit P/N	Kit Description	Part Number	Item Description
20-51-80A	Conical Wing Tip Kit	20-51L-80A	Tip, Wing, LH
		20-51R-80A	Tip, Wing, RH
26-04-80A	Strut Fairing Kit, Plastic	150-LFS	Fairing, Strut to Fuselage, LH
		150-RFS	Fairing, Strut to Fuselage, RH
		150-LWS	Fairing, Strut to Wing, LH
		150-RWS	Fairing, Strut to Wing, RH
26-05-80A	Landing Gear Fairing Kit Flat Gear Only	FS-150-LG	Fairing, Main Landing Gear, LH
		FS-150-RG	Fairing, Main Landing Gear, RH
26-06-80A	Landing Gear Fairing Kit Tube Gear Only	26-06L	Fairing, Main Landing Gear, LH
		26-06R	Fairing, Main Landing Gear, RH
26-07-80A	Brake Cover Fairing Kit	26-07-LBC	Fairing, Brake Cover, LH
		26-07-RBC	Fairing, Brake Cover, RH
KPS04	Split Strut Fairing Kit, Plastic	K0421002-1	Fairing, Strut to Fuselage, LH
		K0421002-2	Fairing, Strut to Fuselage, RH
		K0522150-3	Fairing, Strut to Wing, LH
		K0522150-4	Fairing, Strut to Wing, RH
SA-0421002-1234	Fairing Kit, Fiberglass for FAA-PMA/STC split Fairings add an "SP" suffix to the kit P/N	SA-0421002-1	Fairing, Strut to Fuselage, LH
		SA-0421002-2	Fairing, Strut to Fuselage, RH
		SA-0522150-3	Fairing, Strut to Wing, LH
		SA-0522150-4	Fairing, Strut to Wing, RH
SA-0523565-2930	Wing Tips 1 2	SA-0523565-29	Tip, Wing, Conical, LH
		SA-0523565-30	Tip, Wing, Conical, RH

Notes:
1 Add "LL-14V (14 Volt Installation) or LL-28V (28 Volt Installation)" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Installation kit including all hardware required for installation of Quasar LED lighted wing tips is included. Kits include shielded wire, all connectors, switches and breaker.
2 Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.

Cessna 170, 172, 175, 177 Series



170, 170A,B S/N 18000 thru 27169			
Description	**Idx**	**Part Number**	
Air Scoop	D	GF0552001-16	9 K
Fairing, Strut To Fuslg LH	I	SA-0522150-1SP	8 S
Fairing, Strut To Fuslg RH	I	SA-0522150-2SP	8 S
Lip, Lower Cowl	E	GF55200-00	10 K
Nose Cap, Lower Cowl	F	GF0552002-51	11 K
Nose Cap, Upper Cowl	G	GF0595000-3	11 K
Tip, Wing, Conical, LH	A	SA-0523565-29	8 4 1 S
Tip, Wing, Conical, RH	A	SA-0523565-30	8 4 1 S
Tip, Wing, LH or RH	A	SA-0723615-200	S
Tip, Wing, Hoerner Style	A	11004 (set of two)	10 K
Wing Pos., Light Shield, RH	A	219-4-6	2 A
172, 172A,B,C,D,E,F,G,H,I S/N 28000 thru 17257161			
Description	**Idx**	**Part Number**	
Air Scoop	D	GF0552001-16	13 K
Cap, Rudder Top	P	28-531006-34-80A	19 T
		K0531006-34	23 K
		SA-0531006-34	19 S
Cap, Vertical Fin No Beacon Base	O	28-531006-33-80A	19 T
		SA-0531006-33	19 S
		SA-0531001-36	13 S
Cap, Vert. Fin 2 ¼" Beacon Base	O	28-0531109-180A	25 T
		SA-0531009-1	24 S
Cap, Vert. Fin 3 ½" Beacon Base	O	SA-0531004-3	13 S
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741046-203	25 K

Continued on next column

Notes:

1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 For wings with a conical wing tip
3 For kits including LH and RH see page 420
4 FAA-PMA/STC approved split fairing for easy install and removal
5 Also available as a FAA-PMA/STC approved split Fairing for easy install and removal; add an "SP" suffix to the P/N
6 For wings with a conical wing tip
7 For a wing with STOL leading edge radius
8 S/N 18730 and on
9 S/N 19200 and on
10 S/N 20267 and on
11 S/N 25373 and on
12 S/N 28000 thru 36965 only
13 S/N 28000 thru 46754 only
14 S/N 28000 thru 47746 only
17 S/N 28000 thru 17258486 only
18 S/N 46518 and on
19 S/N 46755 and on
20 S/N 17247747 thru 17249085 only
21 S/N 17247747 thru 17249544 only
22 S/N 17247747 thru 17253392 only
23 S/N 17249545 and on
24 S/N 17254425 and on
25 S/N 17254893 and on

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 170, 172, 175, 177 Series
continued from previous page

172, 172A,B,C,D,E,F,G,H,I continued
S/N 28000 thru 17257161

Description	Idx	Part Number
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741046-202 25 K
Fairing, Nose Wheel		K0743625-14 25 K
Fairing, Strut To Fuslg LH	I	28-07-LFS T
		K0522150-1 18 T
		SA-0522150-1 5 S
Fairing, Strut To Fuslg RH	I	28-07-RFS T
		K0522150-2 18 T
		SA-0522150-2 5 S
Fairing, Strut To Wing, LH	H	28-06-LWS 18 T
		K0522150-3 18 T
		SA-0522150-3 5 S
Fairing, Strut To Wing, RH	H	28-06-RWS 18 T
		K0522150-4 18 T
		SA-0522150-4 5 S
Fairing Wing Rear Low. LH	L	GF0520006-01 23 K
Fairing Wing Rear Low. RH	L	GF0520006-02 23 K
Fairing, Tailcone (Cable Covers) LH or RH	S	28-18 23 T
		SA-0530011-2 23 S
Lip, Lower Cowl	E	GF55200-00 14 K
Nose Cap, Lower Cowl	F	GF0552002-51 12 K
Nose Cap, Upper Cowl	G	GF0595000-3 12 K
Nose Cap, Skin	N/A	K0552010-17 22 K
Tip, Dorsal Fin	M	28-15 24 T
Tip, Elevator, LH	T	220-4-7 23 A
		28-09-L 23 T
		GF0532001-94 23 K
		SA-0532001-94 23 S
Tip, Elevator, RH	T	220-4-8 23 A
		28-09-R 23 T
		GF0532001-100 23 K
		SA-0532001-100 23 S
Tip, Elevator, LH or RH	T	K0532001-62 20 K
		SA-0532001-62 20 S
Tip, Rudder Butt	Q	28-21-80A 19 T
		K0531006-35 19 K
		K0531104 13 K
		SA-0531104 13 S
		SA-0531006-35 19 S
Tip, Horiz Stab., LH or RH	R	K0532001-61 21 K
		SA-0532001-61 21 S
		28-10 23 T
		GF0532001-00 23 K
		SA-0532001-93 23 S
Tip, Wing, Conical, LH	A	SA-0523565-29 3 1 S
Tip, Wing, Conical, RH	A	SA-0523565-30 3 1 S
Tip, Wing, Hoerner Style	A	11004 (set of two) K
Tip, Wing, Sym., LH or RH	A	K0723615-200 17 K
		SA-0723615-200 S
Wing Pos., Light Shield, RH	A	219-4-6 6 A
Cap, Rudder Top	P	28-19-80A T
		28-04-80A 36 T
		K0533009-1-791 29 K
		K0531006-112 40 K
		SA-0533009-1 29 S
		SA-0531006-112 40 S
Cap, Vertical Fin All with 2 ¼" Beacon Base	O	28-24-80A T
		28-02 39 T
		GF0531033-1 40 K
		SA-0531003-1 40 S
		SA-0531013-1 35 S

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172K,L,M
S/N 17257162 thru 17267584

Description	Idx	Part Number
Fairing, Brake Cover, LH	K	28-08-LBC 37 T
		SA-0541224-1 36 S
Fairing, Brake Cover, RH	K	28-08-RBC 37 T
		SA-0541224-2 36 S
Fairing, Dorsal Fin, Aft	N	28-17 27 T
		K0531012-2 35 K
		SA-0531012-2 34 S
Fairing, Landing Gear, LH	J	244-4-9 34 A
		28-05-LGF 34 T
		SA-1741005-239 34 S
Fairing, Landing Gear, RH	J	28-05-RGF 34 T
		SA-1741005-240 34 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 37 K
		K0741046-203 26 K
		SA-0541203-1 31 S
		SA-0541223-17 37 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 37 K
		K0741046-202 26 K
		SA-0541203-2 31 S
		SA-0541223-16 37 S
Fairing, Nose Wheel	C	20-40N-80A 36 T
		GF0543079-00 37 K
		K0743625-14 26 K
		SA-0543065-1 33 S
		SA-0543079-3 38 S
Fairing, Strut To Fuslg, LH	I	28-07-LFS T
		K0522150-1 T
		SA-0522150-1 5 S

Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 For wings with a conical wing tip
3 For kits including LH and RH see page 420
4 FAA-PMA/STC approved split fairing for easy install and removal
5 Also available as a FAA-PMA/STC approved split Fairing for easy install and removal; add an "SP" suffix to the P/N
12 S/N 28000 thru 36965 only
13 S/N 28000 thru 46754 only
14 S/N 28000 thru 47746 only
17 S/N 28000 thru 17258486 only
18 S/N 46518 and on
19 S/N 46755 and on
20 S/N 17247747 thru 17249085 only
21 S/N 17247747 thru 17249544 only
22 S/N 17247747 thru 17253392 only
23 S/N 17249545 and on
24 S/N 17254425 and on
25 S/N 17254893 and on
26 S/N 17257162 thru 17259223 only
27 S/N 17257162 thru 17259903 only
28 S/N 17257162 thru 17260758 only
29 S/N 17257162 thru 17265684 only
30 S/N 17259224 thru 17260758 only
31 S/N 17259224 thru 17261898 only
33 S/N 17259224 thru 17263458 only
34 S/N 17259224 and on
35 S/N 17259904 and on
36 S/N 17260759 and on
37 S/N 17261899 and on
38 S/N 17263459 and on
39 S/N 17265485 and on
40 S/N 17265685 and on

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 170, 172, 175, 177 Series
continued from previous page

172K,L,M continued
S/N 17257162 thru 17267584

Description	Idx	Part Number
Fairing, Strut To Fuslg, RH	I	28-07-RFS T
		K0522150-2 T
		SA-0522150-2 5 S
Fairing, Strut To Wing, LH	H	28-06-LWS 28 T
		28-07-LWS 36 T
		K0522150-3 28 T
		SA-0522150-3 28 5 S
		SA-0523047-1 36 5 S
Fairing, Strut To Wing, RH	H	28-06-RWS 28 T
		28-07-RWS 36 T
		K0522150-4 28 T
		SA-0522150-4 28 5 S
		SA-0523047-2 36 5 S
Fairing, Tailcone (Cable Covers) LH or RH	S	28-18 T
		SA-0530011-2 S
Fairing Wing Rear Low. LH	L	GF0520006-01 K
Fairing Wing Rear Low. RH	L	GF0520006-02 K
Tip, Dorsal Fin	M	28-15 27 T
		28-16 35 T
		SA-0531020-1 34 S
Tip, Elevator, LH	T	28-09-L T
		GF0532001-94 K
		SA-0532001-94 S
Tip, Elevator, RH	T	28-09-R T
		GF0532001-100 K
		SA-0532001-100 S
Tip, Rudder Butt	Q	28-12 T
		GF0531006-80-791 K
		SA-0531006-80 S
Tip, Horiz. Stab., LH or RH	R	SA-0532001-93 S
Tip, Wing, Conical, LH	A	20-51L-80A 28 T
		20-52L-80A 36 T
		GF0523565-29-791 30 K
		GF0723200-5 36 K
		SA-0723200-5 36 3 1 S
		SA-0523565-29 28 3 1 S
Tip, Wing, Conical, RH	A	20-51R-80A 28 T
		20-52R-80A 36 T
		GF052356530-791 30 K
		GF0723200-6 36 K
		SA-0723200-6 36 3 1 S
		SA-0523565-30 28 3 1 S
Tip, Wing, Hoerner Style	A	11004 (set of two) 26 K
Tip, Wing, Sym., LH or RH	A	SA-0723615-200 26 S
Wing Pos., Light Shield, LH	A	219-4-7 36 7 A
Wing Pos., Light Shield, RH	A	219-4-6 28 6 A
		219-4-8 36 7 A
Cap, Rudder Top	P	28-04-80A 44 T
		K0533155-2 48 K
		K0531006-112 42 K
		SA-0531006-112 44 S
		SA-0533155-2 48 S
Cap, Vertical Fin 2 ¼" Beacon Base	O	28-02 41 T
		GF0531033-1 K
		SA-0531003-1 41 48 S
		SA-0531033-6 46 S
Fairing, Brake Cover, LH	K	28-08-LBC T
		SA-0541224-1 S
Fairing, Brake Cover, RH	K	28-08-RBC T
		SA-0541224-2 S

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172N,P,Q,R,S
S/N 17267585 thru 172S9999

Description	Idx	Part Number
Fairing, Dorsal Fin, Aft	N	K0531012-2 K
		SA-0531012-2 S
Fairing, Landing Gear, LH	J	244-4-9 44 A
		28-05-LGF 44 T
		SA-1741005-239 44 S
		SA-1741005-59 48 S
Fairing, Landing Gear, RH	J	28-05-RGF 44 T
		SA-1741005-240 44 S
		SA-1741005-60 48 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 K
		SA-0541223-17 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 K
		SA-0541223-16 S
Fairing, Nose Wheel	C	20-40N-80A T
		GF0543079-00 K
		SA-0543079-3 S
Fairing, Strut To Fuslg, LH	I	28-07-LFS T
		K0522150-1 T
		SA-0522150-1 5 S
Fairing, Strut To Fuslg, RH	I	28-07-RFS T
		K0522150-2 T
		SA-0522150-2 5 S
Fairing, Strut To Wing, LH	H	28-07-LWS T
		SA-0523047-1 5 S
Fairing, Strut To Wing, RH	H	28-07-RWS T
		SA-0523047-2 5 S

Notes:

1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 For wings with a conical wing tip
3 For kits including LH and RH see page 420
4 FAA-PMA/STC approved split fairing for easy install and removal
5 Also available as a FAA-PMA/STC approved split Fairing for easy install and removal; add an "SP" suffix to the P/N
6 For wings with a conical wing tip
7 For a wing with STOL leading edge radius
26 S/N 17257162 thru 17259223 only
27 S/N 17257162 thru 17259903 only
28 S/N 17257162 thru 17260758 only
29 S/N 17257162 thru 17265684 only
30 S/N 17259224 thru 17260758 only
31 S/N 17259224 thru 17261898 only
33 S/N 17259224 thru 17263458 only
34 S/N 17259224 and on
35 S/N 17259904 and on
36 S/N 17260759 and on
37 S/N 17261899 and on
38 S/N 17263459 and on
39 S/N 17265485 and on
40 S/N 17265685 and on
41 S/N 17267585 thru 17274009 only
42 S/N 17267585 thru 17275953 only
43 S/N 17267585 thru 17276260 only
44 S/N 17267585 thru 17276654 only
45 S/N 17267585 and on
46 S/N 17274010 thru 17276654 only
47 S/N 17275954 and on
48 S/N 17280001 and on

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 170, 172, 175, 177 Series
continued from previous page

172N,P,Q,R,S continued
S/N 17267585 thru 172S9999

Description	Idx	Part Number
Fairing, Tailcone (Cable Covers) LH or RH	S	28-18 45 T
		SA-0530011-2 S
Fairing Wing Rear Low. LH	L	GF0520006-01 44 K
Fairing Wing Rear Low. RH	L	GF0520006-02 44 K
Tip, Dorsal Fin	M	28-16 43 T
		SA-0531020-1 S
Tip, Elevator, LH	T	28-09-L T
		GF0532001-94 K
		SA-0532001-94 S
Tip, Elevator, RH	T	28-09-R T
		GF0532001-100 K
		SA-0532001-100 S
Tip, Rudder Butt	Q	28-11 47 T
		28-12 42 T
		GF053100680-791 42 K
		K0533155-1 48 K
		SA-0531006-80 44 S
		SA-0533155-1 48 S
Tip, Horiz. Stab., LH or RH	D	28-10 47 T
		GF0532001-00 47 K
		SA-0532001-93 S
Tip, Wing, LH	A	20-52L-80A T
		GF0723200-5 45 K
		SA-0723200-5 45 3 1 S
		SA-0723205-1 48 S
Tip, Wing, RH	A	20-52R-80A T
		GF0723200-6 45 K
		SA-0723200-6 45 3 1 S
		SA-0723205-2 48 S
Wing Pos., Light Shield, LH	A	219-4-7 7 A
Wing Pos., Light Shield, RH	A	219-4-8 7 A

172RG, FP172, FR172E, FR172K, P172D, R172E,F,G,H,J,K
S/N 172RG0001 thru 172RG1191
S/N FP172-0001 thru FP172-0003
S/N FR172-0001 thru FR172-0060
S/N FR17200591 thru FR17200675
S/N P17257120 thru P17257188
S/N R172-0001 thru R1723454

Description	Idx	Part Number
Cap, Rudder Top	P	28-04-80A 50 T
		K0531006-34 60 K
		K0531006-112 61 K
		SA-0531006-112 55 S
Cap, Vertical Fin All with 2 ¼" Beacon Base	O	GF0531033-1 49 58 K
		SA-0531003-1 53 S
Fairing, Brake Cover, LH	K	SA-0541224-1 51 S
Fairing, Brake Cover, RH	K	SA-0541224-2 51 S
Fairing, Dorsal Fin, Aft	N	K0531012-2 53 K
		SA-0531012-2 53 S
Fairing, Landing Gear, LH	J	244-4-9 51 A
		SA-1741005-239 51 S
Fairing, Landing Gear, RH	J	SA-1741005-240 51 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 51 K
		SA-0541223-17 51 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 51 K
		SA-0541223-16 51 S
Fairing, Nose Wheel	C	GF0543079-00 51 K
		SA-0543079-3 51 S
Fairing, Strut To Fuslg, LH	I	K0522150-1 59 T
		SA-0522150-1 59 5 S
Fairing, Strut To Fuslg, RH	I	K0522150-2 59 T
		SA-0522150-2 59 5 S

Continued on next column

Continued from previous column

172RG, FP172, FR172E, FR172K, P172D, R172E,F,G,H,J,K cont.
S/N 172RG0001 thru 172RG1191
S/N FP172-0001 thru FP172-0003
S/N FR172-0001 thru FR172-0060
S/N FR17200591 thru FR17200675
S/N P17257120 thru P17257188
S/N R172-0001 thru R1723454

Description	Idx	Part Number
Fairing, Strut To Wing, LH	H	K0522150-3 56 T
		SA-0523047-1 53 S
		SA-0522150-3 56 S
Fairing, Strut To Wing, RH	H	K0522150-4 56 T
		SA-0523047-2 53 S
		SA-0522150-4 56 S
Fairing, Tailcone (Cable Covers) LH or RH	S	SA-0530011-2 53 S
Fairing Wing Rear Low. LH	L	GF0520006-01 49 K
Fairing Wing Rear Low. RH	L	GF0520006-02 49 K
Tip, Dorsal Fin	M	SA-0531020-1 53 S
Tip, Elevator, LH	T	GF0532001-94 57 K
		SA-0532001-94 54 S
Tip, Elevator, RH	T	GF0532001-100 57 K
		SA-0532001-100 54 S
Tip, Rudder Butt	Q	GF053100680-791 55 K
		K0531006-35 56 K
		SA-0531006-80 53 S
Tip, Horiz. Stab., LH or RH	R	GF0532001-00 57 K
		SA-0532001-93 53 S
Tip, Wing, LH	A	20-52L-80A 55 T
		GF0723200-5 49 51 K
		SA-0723200-5 55 3 1 S
Tip, Wing, RH	A	20-52R-80A 55 T
		GF0723200-6 49 51 K
		SA-0723200-6 55 3 1 S
Tip, Wing, Sym., LH or RH	A	K0723615-200 56 K
Wing Pos., Light Shield, LH	A	219-4-7 7 A
Wing Pos., Light Shield, RH	A	219-4-8 7 A

Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 For wings with a conical wing tip
3 For kits including LH and RH see page 420
4 FAA-PMA/STC approved split fairing for easy install and removal
5 Also available as a FAA-PMA/STC approved split Fairing for easy install and removal; add an "SP" suffix to the P/N
6 For wings with a conical wing tip
7 For a wing with STOL leading edge radius
42 S/N 17267585 thru 17275953 only
43 S/N 17267585 thru 17276260 only
44 S/N 17267585 thru 17276654 only
45 S/N 17267585 and on
46 S/N 17274010 thru 17276654 only
47 S/N 17275954 and on
48 S/N 17280001 and on
49 S/N 172RG0001 thru 172RG1178 only
50 Model 172RG only
51 Model R172K only
53 Models 172RG and R172K only
54 Models 172RG, R172K and P172D only
55 Models 172RG, FR172K and R172K only
56 Models FP172 and P172D only
57 Models FP172, FR172K, P172 and R172K only
58 Models FR172K and R172K only
59 Models 172RG, FP172, R172K and P172D only
60 Models P172D, FP172, FR172E only

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 170, 172, 175, 177 Series
continued from previous page

F172D,E,F,G,H,K,L,M,N,P
S/N F172-0001 thru F17202254

Description	Idx	Part Number
Cap, Rudder Top	P	28-04-80A 79 T
		28-0531006-34-80A 63 T
		28-19-80A 73 T
		K0531006-34 63 K
		K0531006-112 79 K
		SA-0531006-34 64 S
		SA-0531006-112 78 S
		SA-0531009-1 68 S
		SA-0533009-1 70 S
Cap, Vertical Fin No Beacon Base	O	28-0531006-33-80A 63 T
		SA-0531006-33 66 S
Cap, Vertical Fin 2 ¼" Beacon Base	O	28-0531109-180A 67 T
		28-24-80A 72 T
		GF0531033-1 80 K
		SA-0531013-1 70 S
		SA-0531033-6 78 S
Fairing, Brake Cover, LH	K	SA-0541224-1 78 S
Fairing, Brake Cover, RH	K	SA-0541224-2 78 S
Fairing, Dorsal Fin, Aft	N	28-17 72 T
		K0531012-2 K
Fairing, Landing Gear, LH	J	GF0541223-01 78 K
		SA-1741005-239 77 S
Fairing, Landing Gear, RH	J	GF0541223-02 78 K
		SA-1741005-240 77 S
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741046-203 64 K
		SA-0541203-1 76 S
		SA-0541223-17 78 S
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741046-202 64 K
		SA-0541203-2 76 S
		SA-0541223-16 78 S
Fairing, Nose Wheel	C	20-40N-80A 78 T
		GF0543079-00 78 K
		SA-0543065-1 76 S
		SA-0543079-3 78 S
Fairing Wing Rear Low. LH	L	K0522150-1 T
		SA-0522150-1 S
Fairing Wing Rear Low. RH	L	K0522150-2 T
		SA-0522150-2 S
Fairing, Strut To Wing, LH	H	K0522150-3 65 T
		SA-0522150-3 65 S
		SA-0523047-1 78 S
Fairing, Strut To Wing, RH	H	K0522150-4 65 T
		SA-0522150-4 65 S
		SA-0523047-2 78 S
Fairing, Tailcone, (Cable Covers) LH or RH	S	28-18 T
		SA-0530011-2 S
Tip, Dorsal Fin	M	28-15 67 T
Tip, Elevator, LH	T	GF0532001-94 K
		SA-0532001-94 S
Tip, Elevator, RH	T	GF0532001-100 K
		SA-0532001-100 S
Tip, Rudder Butt	Q	28-21-80A 66 T
		K0531006-35 63 K
		GF053100680-791 74 K
		SA-0531006-35 64 S
		SA-0531006-80 71 S
Tip, Horiz. Stab., LH or RH	R	GF0532001-00 K
		SA-0532001-93 S
Tip, Wing, LH	A	20-51L-80A 69 T
		20-52L-80A 78 T
		SA-0523565-29 75 3 S
		SA-0723200-5 78 3 S
Tip, Wing, RH	A	20-51R-80A 69 T
		20-52R-80A 78 T
		SA-0523565-30 75 3 S
		SA-0723200-6 78 3 S
Tip, Wing, Sym., LH or RH	A	K0723615-200 64 K

Continued on next column

Continued from previous column

175, 175A,B,C
S/N 55001 thru 17557119

Description	Idx	Part Number
Cap, Rudder Top	P	SA-0531006-34 85 S
Cap, Vertical Fin No Beacon Base	O	SA-0531001-36 82 S
		SA-0531006-33 85 S
Cap, Vertical Fin 3 ½" Beacon Base	O	SA-0531004-3 82 S
Fairing, Strut To Fuslg, LH	I	28-07-LFS 83 T
		K0522150-1 83 T
		SA-0522150-1 5 S
Fairing, Strut To Fuslg, RH	I	28-07-RFS 83 T
		K0522150-2 83 T
		SA-0522150-2 5 S
Fairing, Strut To Wing, LH	H	28-06-LWS 83 T
		K0522150-3 83 T
		SA-0522150-3 5 S
Fairing, Strut To Wing, RH	H	28-06-RWS 83 T
		K0522150-4 83 T
		SA-0522150-4 5 S
Tip, Elevator, LH or RH	T	K0532001-62 84 K
		SA-0532001-62 84 S
Tip, Rudder Butt	Q	28-21-80A 85 T
		K0531104 82 K
		SA-0531104 82 S
		SA-0531006-35 85 S

Notes:
3 For kits including LH and RH see page 420
4 FAA-PMA/STC approved split fairing for easy install and removal
5 Also available as a FAA-PMA/STC approved split Fairing for easy install and removal; add an "SP" suffix to the P/N
6 For wings with a conical wing tip
7 For a wing with STOL leading edge radius
49 S/N 172RG0001 thru 172RG1178 only
50 Model 172RG only
51 Model R172K only
53 Models 172RG and R172K only
54 Models 172RG, R172K and P172D only
55 Models 172RG, FR172K and R172K only
56 Models FP172 and P172D only
57 Models FP172, FR172K, P172 and R172K only
58 Models FR172K and R172K only
59 Models 172RG, FP172, R172K and P172D only
60 Models P172D, FP172, FR172E only
61 Models R172K and 172RG S/N 172RG0001 thru 172RG1134
63 S/N F172-0001 thru F172-0559 only
64 S/N F172-0001 thru F17200754 only
65 S/N F172-0001 thru F17200904 only
66 S/N F172-0019 thru F17200754 only
67 S/N F172-0320 thru F172-0559 only
68 S/N F172-0320 thru F17200754 only
69 S/N F172-0320 thru F17200904 only
70 S/N F172-0320 thru F17201514
71 S/N F172-0320 and on
72 S/N F172-0560 thru F17201234 only
73 S/N F172-0560 thru F17201384 only
74 S/N F172-0560 and on
75 S/N F17200755 thru F17200904
76 S/N F17200755 thru F17201514
77 S/N F17200755 and on
78 S/N F17200905 and on
79 S/N F17201385 thru F17202208 only
80 S/N F17201385 and on
81 For kits including LH and RH see page 420
82 S/N 55001 thru 56238 only
83 S/N 56025 and on
84 S/N 56239 thru 17557064 only

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 170, 172, 175, 177 Series
continued from previous page

175, 175A,B,C continued S/N 55001 thru 17557119		
Description	**Idx**	**Part Number**
Tip, Horiz. Stab., LH or RH	R	K0532001-61 85 K
		SA-0532001-61 85 S
Tip, Wing, Conical, LH	A	SA-0523565-29 3 1 S
Tip, Wing, Conical, RH	A	SA-0523565-30 3 1 S
Tip, Wing, Hoerner Style	A	11004 (set of two) K
Tip, Wing, Sym., LH or RH	A	K0723615-200 K
		SA-0723615-200 S
Wing Pos., Light Shield, RH	A	219-4-6 6 A

177, 177A,B, 177RG, F177RG S/N 17700001 thru 17702752 S/N 177RG0001 thru 177RG1366 S/N F177RG0001 thru F177RG0177		
Description	**Idx**	**Part Number**
Cap, Rudder Top	P	K1733009-2 K
		SA-1733009-2 91 S
Cap, Vertical Fin	O	SA-1731009-4 91 S
		K1731009-4 91 K
Fairing, Brake, LH	K	SA-0741634-13 87 S
		SA-1741027-1 89 S
Fairing, Brake, RH	K	SA-0741634-14 87 S
		SA-1741027-2 89 S
Fairing, Landing Gear, LH	J	SA-1741005-43 90 S
Fairing, Landing Gear, RH	J	SA-1741005-44 90 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 89 K
		K0741046-203 90 K
		SA-0541203-1 88 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 89 K
		K0741046-202 90 K
		SA-0541203-2 88 S

Continued on next column

Continued from previous column

Fairing, Nose Wheel	C	20-40N-80A 88 T
		GF0543079-00 89 K
		K0743625-14 90 K
		SA-0543065-1 88 S
Tip, Horiz. Stab., LH or RH	R	GF1732024-1-791 K
		SA-1732024-1 91 S
Tip, Wing, LH	A	GF1723005-11 93 K
		SA-1723000-201 86 S
		SA-1723005-11 92 S
Tip, Wing, RH	A	GF1723005-12 93 K
		SA-1723000-200 86 S
		SA-1723005-12 92 S

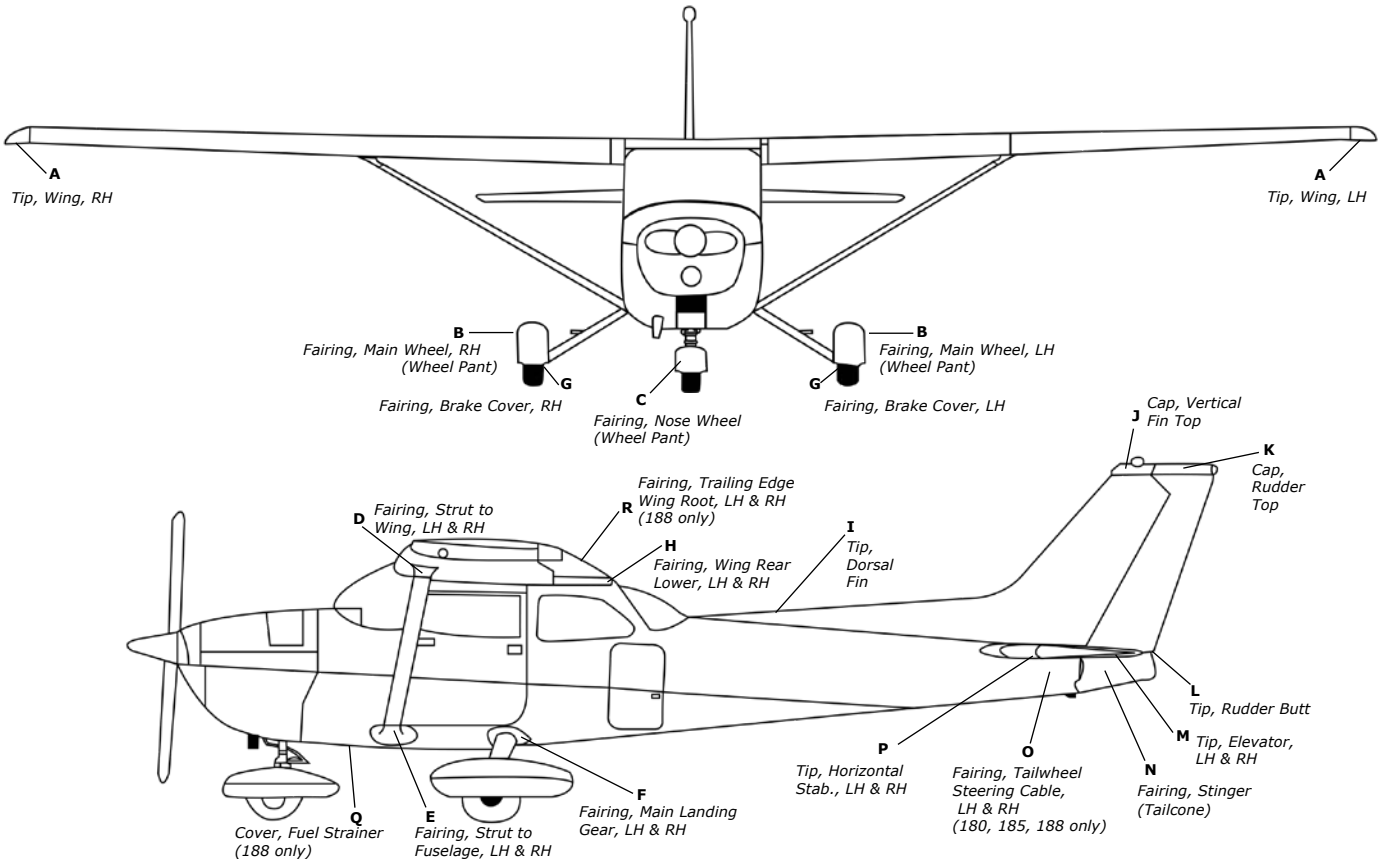
Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See Lighting section of catalog. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
3 For kits including LH and RH see below
5 Also available as a FAA-PMA/STC approved split Fairing for easy install and removal; add an "SP" suffix to the P/N
82 S/N 55001 thru 56238 only
83 S/N 56025 and on
84 S/N 56239 thru 17557064 only
85 S/N 56239 and on
86 Model 177, 177A S/N 17700001 thru 17701370 only
87 Model 177B, S/N 17701371 thru 17702123 only
88 Model 177B S/N 17701371 and on
89 Model 177B S/N 17702124 and on
90 Model 177,177A,B only
91 Model 177, 177A,B and 177RG only
92 Model 177B and 177RG only
93 Model 177B, 177RG and F177RG

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

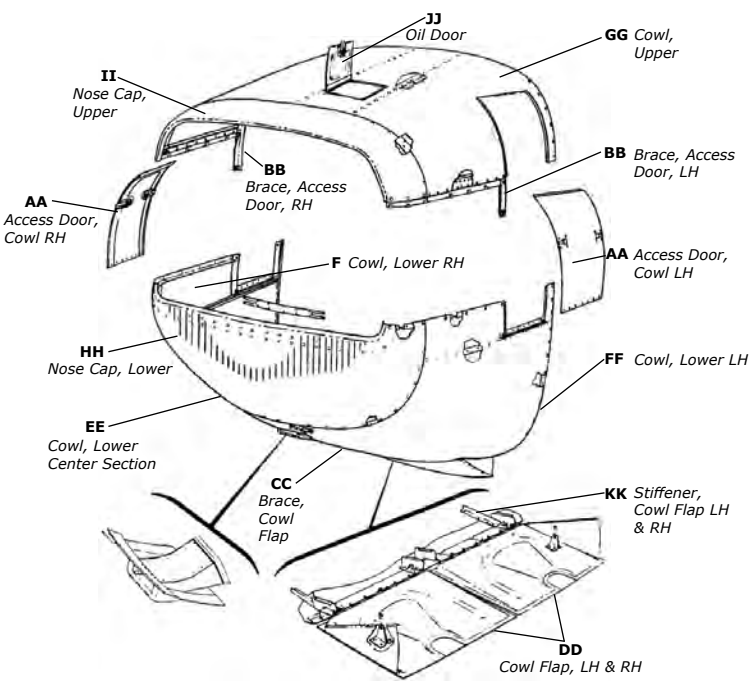
Kits available for 170, 172, 175 and 177 aircraft			
Kit P/N	**Kit Description**	**Part Number**	**Item Description**
28-05-80A	Landing Gear Fairing Kit	28-05-LGF	Fairing, Landing Gear, LH
		28-05-RGF	Fairing, Landing Gear, RH
28-06-80A	Strut Fairing Kit, Plastic	28-07-LFS	Fairing, Strut To Fuselage, LH
		28-07-RFS	Fairing, Strut To Fuselage, RH
		28-06-LWS	Fairing, Strut To Wing, LH
		28-06-RWS	Fairing, Strut To Wing, RH
28-07-80A	Strut Fairing Kit, Plastic	28-07-LFS	Fairing, Strut To Fuselage, LH
		28-07-RFS	Fairing, Strut To Fuselage, RH
		28-07-LWS	Fairing, Strut To Wing, LH
		28-07-RWS	Fairing, Strut To Wing, RH
28-08-80A	Brake Cover Fairing Kit	28-08-LBC	Fairing, Brake Cover, LH
		28-08-RBC	Fairing, Brake Cover, RH
KPS03	Split Strut Fairing Kit, Plastic	K0522150-1	Fairing, Strut to Fuselage, LH
		K0522150-2	Fairing, Strut to Fuselage, RH
		K0522150-3	Fairing, Strut to Wing, LH
		K0522150-4	Fairing, Strut to Wing, RH
SA-0522150-3412	Strut Fairing Kit, Fiberglass dor FAA-PMA/STC split Fairings add an "SP" suffix to the kit P/N	SA-0522150-1	Fairing, Strut to Fuselage, LH
		SA-0522150-2	Fairing, Strut to Fuselage, RH
		SA-0522150-3	Fairing, Strut to Wing, LH
		SA-0522150-4	Fairing, Strut to Wing, RH
SA-0523047-1212	Strut Fairing Kit, Fiberglass for FAA-PMA/STC split Fairings add an "SP" suffix to the kit P/N	SA-0522150-1	Fairing, Strut to Fuselage, LH
		SA-0522150-2	Fairing, Strut to Fuselage, RH
		SA-0523047-1	Fairing, Strut to Wing, LH
		SA-0523047-2	Fairing, Strut to Wing, RH
SA-0523565-2930	Wing Tips 1 2	SA-0523565-29	Tip, Wing, Conical, LH
		SA-0523565-30	Tip, Wing, Conical, RH
SA-0723200-56	Wing Tips 1 2	SA-0723200-5	Tip, Wing, Conical, LH
		SA-0723200-6	Tip, Wing, Conical, RH

Kit Notes:
1 Add "LL-14V (14 Volt Installation) or LL-28V (28 Volt Installation)" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Installation kit including all hardware required for installation of Quasar LED lighted wing tips is included. Kits include shielded wire, all connectors, switches and breaker.
2 Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.

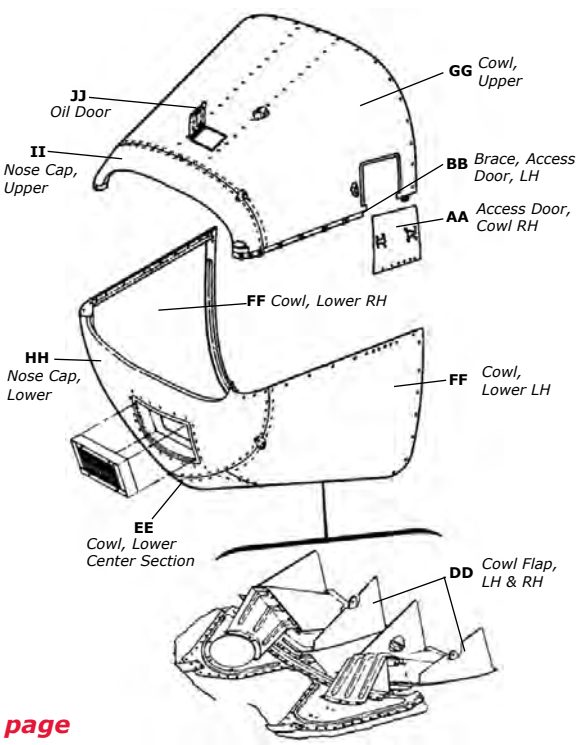
Cessna 180, 182, 185, 188 Series



Models
180, 180A,B, 182, 182A



Models
180C,D,E,F,G,H,K, 182B,C,D



Eligibility on next page

Cessna 180, 182, 185, 188 Series
continued from previous page

180, 180A,B,C,D,E,F,G,H,J,K
S/N 30000 thru 18053203

Description	Idx	Part Number
Access Door, Cowl LH	AA	SC180701-1 8 K
		SC180703-1 17 K
		SC180704-1 26 K
Access Door, Cowl RH	AA	SC180702-1 8 K
Brace Access Door, LH	BB	SC180900-1 8 K
Brace Access Door, RH	BB	SC180900-2 8 K
Brace, Cowl Flap	CC	SC180901-2 8 K
Cap, Vertical Fin No Beacon Base	J	SA-0731000-200 22 S
Cap, Vertical Fin 2 ¼" Beacon Base	J	SA-0731019-1 25 S
		SA-0731019-2 31 S
Cap, Vert. Fin 3 ½" Beacon Base	J	SA-0700031-2 S
Cowl Flap, LH	DD	SC180804-1 18 K
Cowl Flap, RH	DD	SC180805-1 18 K
Cowl Flap, LH Exhst Cutout	DD	SC180800-1 7 K
		SC180802-1 13 K
Cowl Flap, RH Exhst Cutout	DD	SC180801-1 7 K
		SC180803-1 13 K
Cowl, Lower Center Section	EE	SC180501-1 7 K
		SC180502-1 13 K
		SC180504-1 16 K
Cowl, Lower Left (Screws)	FF	SC180401-1 8 K
		SC180403-1 21 K
Cowl, Lower Right (Screws)	FF	SC180402-1 8 K
		SC180404-1 15 K
Cowl, Upper	GG	SC180200-1 8 K
		SC180201-1 15 K
		SC180202-1 19 K
		SC180203-1 24 K
		SC180204-1 26 K
Fairing, Brake Cover, LH	G	SA-0741059-1 S
Fairing, Brake Cover, RH	G	SA-0741059-2 S
Fairing, Main Wheel, LH (Wheel Pant)	B	SA-0741070-1 30 S
Fairing, Main Wheel, RH (Wheel Pant)	B	SA-0741070-2 30 S
Fairing, Stinger (Tailcone)	N	SA-0712400-9 S
Fairing, Strut To Fuslg, LH	E	180-LFS-T T
		K0723605-1 14 T
		SA-0723605-1 2 S
Fairing, Strut To Fuslg, RH	E	180-RFS-T T
		K0723605-2 14 T
		SA-0723605-2 2 S
Fairing, Strut To Wing, LH	D	118-4-9 A
		180-LWS T
		K0723605-3 14 T
		SA-0723605-3 2 S
Fairing, Strut To Wing, RH	D	180-RWS T
		K0723605-4 14 T
		SA-0723605-4 2 S
Fairing, Tailwhl Strg Cbl LH	O	SA-0712309-9 S
Fairing, Tailwhl Strg Cbl RH	O	SA-0712309-10 S
Nose Cap, Lower (Camloc Air Filter)	HH	SC180604-1 20 K
		SC180605-1 24 K
Nose Cap, Lower (Camloc Landing Light)	HH	SC180606-1 29 K
Nose Cap, Lower (Screws)	HH	SC180601-1 7 K
		SC180602-1 14 K

Continued on next column

180, 180A,B,C,D,E,F,G,H,J,K continued
S/N 30000 thru 18053203

Description	Idx	Part Number
Nose Cap, Lower (Screws Air Filter)	HH	SC180603-1 15 K
Nose Cap, Upper	II	SC180301-1 7 K
		SC180302-1 13 K
		SC180303-1 15 K
		SC180304-1 20 K
		SC180305-1 26 K
Oil Door	JJ	SC180752-1 26 K
		WAC752000 9 27
Stiffener, Cowl Flap LH	KK	SC180900-3 8 K
Stiffener, Cowl Flap RH	KK	SC180900-4 8 K
Tip, Horiz. Stab., LH or RH	P	31-11 12 T
		SA-0732613-1 S

Notes:
2 Also available as a FAA-PMA/STC approved split Fairing for easy install & removal; add "SP" suffix to the P/N
3 FAA-PMA/STC approved split Fairing for easy installation and removal
4 For kits including LH and RH, see page 427
5 For wings with a conical wing tip
6 For a wing with STOL leading edge radius
7 S/N 30000 thru 32261 only
8 S/N 30000 thru 50661 only
9 S/N 30000 thru 18051445 only
10 S/N 30000 thru 18051774 only
11 S/N 30000 thru 18052284 only
12 S/N 30000 thru 18052384 only
13 S/N 32662 thru 50661 only
14 S/N 50386 and on
15 S/N 50662 thru 50911 only
16 S/N 50662 thru 18051183 only
17 S/N 50662 thru 18051445 only
18 S/N 50662 and on
19 S/N 18050912 thru 18051445
20 S/N 18050912 thru 18052284
21 S/N 18050912 and on
22 S/N 18051184 thru 18052770 only
23 S/N 18051184 and on
24 S/N 18051446 thru 18052284 only
25 S/N 18051446 thru 18052989 only
26 S/N 18051446 and on
27 S/N 18052176 thru 18052284 only
28 S/N 18052285 and on
29 S/N 18052385 and on
30 S/N 18052771 and on
31 S/N 30000 thru 32261 that have been modified with the Kenmore gross weight increase and have the large vertical Fin
33 P/N WAC752000 is an aluminum oil door manufactured by McFarlane
34 S/N 33000 thru 51556 only
35 S/N 33000 thru 52358 only
36 S/N 33000 thru 18253598 only
37 S/N 33000 thru 18255844 only
38 S/N 33000 thru 18259305 only
39 S/N 33000 thru 18260055 only
40 S/N 51557 thru 53007 only
41 S/N 51557 thru 18253598 only
42 S/N 51557 and on
43 S/N 52359 thru 18257625 only
44 S/N 18253008 thru 18253598 only
45 S/N 18253599 thru 18257625 only
46 S/N 18253599 and on
47 S/N 18255845 and on
48 S/N 18257626 thru 18260445 only
49 S/N 18257626 and on

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 180, 182, 185, 188 Series
continued from previous page

180, 180A,B,C,D,E,F,G,H,J,K continued
S/N 30000 thru 18053203

Description	Idx	Part Number
Tip, Wing, LH	A	20-51L-80A 24 T
		20-52L-80A 28 T
		GF0723200-5 28 K
		SA-0723200-5 28 4 1 S
Tip, Wing, RH	A	20-51R-80A 24 T
		20-52R-80A 28 T
		GF0723200-6 28 K
		SA-0723200-6 28 4 1 S
Tip, Wing, Conical, LH	A	GF0523565-29791 27 K
		SA-0523565-29 27 4 1 S
Tip, Wing, Conical, RH	A	GF0523565-30791 27 K
		SA-0523565-30 27 4 1 S
Tip, Wing, Hoerner Style	A	11004 (set of two) 11 K
Tip, Wing, Sym., LH or RH	A	K0723615-200 10 K
		SA-0723615-200 11 S
Wing Pos., Light Shield, LH	A	219-4-7 28 6 A
Wing Pos., Light Shield, RH	A	219-4-8 28 6 A

182, 182A,B,C,D,E,F,G,H,J,K,L,M,N
S/N 33000 thru 18260825

Description	Idx	Part Number
Access Door, Cowl LH	AA	SC180701-1 34 K
		SC180703-1 41 K
Access Door, Cowl RH	AA	SC180702-1 34 K
Brace Access Door, LH	BB	SC180900-1 36 K
Brace Access Door, RH	BB	SC180900-2 36 K
Cap, Rudder Top	K	GF0731606-04 46 K
		GF0731606-01 49 K
		SA-0731606-6 49 S
		SA-1231001-2 45 S
Cap, Vertical Fin No Beacon Base	J	GF0731606-03 45 K
		K0731606-1 49 K
		SA-0731606-1 49 S
		SA-0731000-200 35 S
Cap, Vert. Fin Small Beacon Base	J	K0731606-3 49 K
Cap, Vert. Fin 2 ¼" Beacon Base	J	SA-0731019-1 35 S
		SA-0731606-3 49 S
Cap, Vert. Fin 3 ½" Beacon Base	J	SA-0700031-2 35 S
		SA-1200039-2 43 S
Cowl Flap, LH	DD	SC180804-1 41 K
Cowl Flap, RH	DD	SC180805-1 41 K
Cowl, Lower Center Section	EE	SC180502-2 34 K
		SC180504-1 41 K
Cowl, Lower Left (Screws)	FF	SC180403-1 40 K
Cowl, Lower Left (Screws, No Cowl Flap)	FF	SC180401-2 34 K
Cowl, Lower Right (Screws)	FF	SC180404-1 40 K
Cowl, Lower Right (Screws, No Cowl Flap)	FF	SC180402-2 34 K
Cowl, Upper	GG	SC180200-1 34 K
		SC180201-1 40 K
		SC180202-1 44 K
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741046-203 48 K
		SA-0541203-1 51 S
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741046-202 48 K
		SA-0541203-2 51 S
Fairing, Nose Wheel	C	K0743625-14 48 K
		SA-0543065-1 51 S
Fairing, Stinger (Tailcone)	N	K1212010-19 46 K
		SA-1212010-15 S

Continued on next column

182, 182A,B,C,D,E,F,G,H,J,K,L,M,N continued
S/N 33000 thru 18260825

Description	Idx	Part Number
Fairing, Strut To Fuslg, LH	E	118-4-17 46 A
		182-LFS T
		K0723612-3 46 T
		SA-0723605-1 36 2 S
		SA-0723612-3 46 2 S
Fairing, Strut To Fuslg, RH	E	118-4-16 46 A
		182-RFS T
		K0723612-4 46 T
		SA-0723605-2 36 2 S
		SA-0723612-4 46 2 S
Fairing, Strut To Wing, LH	D	118-4-9 A
		180-LWS T
		K0723605-3 42 T
		SA-0723605-3 2 S
Fairing, Strut To Wing, RH	D	180-RWS T
		K0723605-4 42 T
		SA-0723605-4 2 S
Nose Cap, Lower (Camloc Air Filter)	HH	SC180604-1 44 K
Nose Cap, Lower (Screws)	HH	SC180602-1 34 K

Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See page 427. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 Also available as a FAA-PMA/STC approved split Fairing for easy install & removal; add "SP" suffix to the P/N
3 FAA-PMA/STC approved split Fairing for easy installation and removal
4 For kits including LH and RH, see page 427
5 For wings with a conical wing tip
6 For a wing with STOL leading edge radius
21 S/N 18050912 and on
22 S/N 18051184 thru 18052770 only
23 S/N 18051184 and on
24 S/N 18051446 thru 18052284 only
25 S/N 18051446 thru 18052989 only
26 S/N 18051446 and on
27 S/N 18052176 thru 18052284 only
28 S/N 18052285 and on
29 S/N 18052385 and on
30 S/N 18052771 and on
31 S/N 30000 thru 32261 that have been modified with the Kenmore gross weight increase and have the large vertical Fin
33 P/N WAC752000 is an aluminum oil door manufactured by McFarlane
34 S/N 33000 thru 51556 only
35 S/N 33000 thru 52358 only
36 S/N 33000 thru 18253598 only
37 S/N 33000 thru 18255844 only
38 S/N 33000 thru 18259305 only
39 S/N 33000 thru 18260055 only
40 S/N 51557 thru 53007 only
41 S/N 51557 thru 18253598 only
42 S/N 51557 and on
43 S/N 52359 thru 18257625 only
44 S/N 18253008 thru 18253598 only
45 S/N 18253599 thru 18257625 only
46 S/N 18253599 and on
47 S/N 18255845 and on
48 S/N 18257626 thru 18260445 only
49 S/N 18257626 and on
50 S/N 18258686 and on
51 S/N 18260056 thru 18260825 only

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 180, 182, 185, 188 Series
continued from previous page

182, 182A,B,C,D,E,F,G,H,J,K,L,M,N continued
S/N 33000 thru 18260825

Description	Idx	Part Number
Nose Cap, Lower (Screws Air Filter)	HH	SC180603-1 40 K
Nose Cap, Upper	II	SC180302-1 34 K
		SC180303-1 40 K
		SC180304-1 44 K
Oil Door (Aluminum)	JJ	WAC752000 37
Tip, Elevator, LH	M	31-10 LEFT 47 T
		GF1234608-01 47 K
		SA-1234608-3 47 S
Tip, Elevator, RH	M	31-10 RIGHT 47 T
		GF1234608-02 47 K
		SA-1234608-4 47 S
Tip, Horiz. Stab., LH or RH	P	31-11 37 T
		31-09 T
		SA-0732613-1 35 S
		GF1232604-1 47 K
		SA-1232604-1 47 S
Tip, Wing, LH	A	20-51L-80A 51 T
Tip, Wing, RH	A	20-51R-80A 51 T
Tip, Wing, Conical, LH	A	GF0523565-29791 52 K
		SA-0523565-29 4 1 S
Tip, Wing, Conical, RH	A	GF0523565-30791 52 K
		SA-0523565-30 4 1 S
Tip, Wing, Hoerner Style	A	11004 (set of two) K
Tip, Wing, Sym., LH or RH	A	K0723615-200 39 K
		SA-0723615-200 38 S

182P,Q,R, T182
S/N 18260826 thru 18268586

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 K
		GF0731606-01 55 K
		SA-0731606-6 55 S
		SA-0731606-9 63 S
Cap, Vertical Fin No Beacon Base	J	GF0731606-03 63 K
		K0731606-1 55 K
		SA-0731606-1 55 S
		SA-0731606-10 63 S
Cap, Vert. Fin Small Beacon Base	J	K0731606-3 55 K
		K1231064 63 K
Cap, Vert. Fin 2 ¼" Beacon Base	J	SA-0731606-3 53 S
		SA-1231059-1 58 S
		SA-1231064-1 63 S
Fairing, Brake Cover, LH	G	31-07-LBC 54 T
		31-08-LBC 60 T
		K0741641-19 61 K
		SA-0741634-11 60 S
		SA-0741634-17 54 S
		SA-0741641-15 65 S
Fairing, Brake Cover, RH	G	31-07-RBC 54 T
		31-08-RBC 60 T
		K0741641-18 61 K
		SA-0741634-10 60 S
		SA-0741634-18 54 S
		SA-0741641-14 65 S
Fairing, Gear Leg, LH	F	244-4-1 55 A
		SA-1741005-201 56 S
Fairing, Gear Leg, RH	F	244-4-2 55 A
		SA-1741005-200 56 S
Fairing Land. Gear Strut LH	F	244-4-7 63 A
		31-03-LGF 63 T
		SA-0741052-201 63 S

Continued on next column

182P,Q,R, T182 continued
S/N 18260826 thru 18268586

Description	Idx	Part Number
Fairing Land. Gear Strut RH	F	244-4-8 63 A
		31-03-RGF 63 T
		SA-0741052-200 63 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 61 K
		SA-0541223-17 61 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 61 K
		SA-0541223-16 61 S
Fairing, Nose Wheel	C	20-40N-80A T
		GF0543079-00 61 K
		SA-0543079-3 61 S
Fairing, Stinger (Tailcone)	N	K1212010-19 K
		SA-1212010-15 S
Fairing, Strut To Fuslg, LH	E	118-4-17 A
		182-LFS T
		K0723612-3 T
		SA-0723612-3 2 S
Fairing, Strut To Fuslg, RH	E	118-4-16 A
		182-RFS T
		K0723612-4 T
		SA-0723612-4 2 S

Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See page 427. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 Also available as a FAA-PMA/STC approved split Fairing for easy install & removal; add "SP" suffix to the P/N
3 FAA-PMA/STC approved split Fairing for easy installation and removal
4 For kits including LH and RH, see page 427
5 For wings with a conical wing tip
6 For a wing with STOL leading edge radius
34 S/N 33000 thru 51556 only
35 S/N 33000 thru 52358 only
36 S/N 33000 thru 18253598 only
37 S/N 33000 thru 18255844 only
38 S/N 33000 thru 18259305 only
39 S/N 33000 thru 18260055 only
40 S/N 51557 thru 53007 only
41 S/N 51557 thru 18253598 only
42 S/N 51557 and on
43 S/N 52359 thru 18257625 only
44 S/N 18253008 thru 18253598 only
45 S/N 18253599 thru 18257625 only
46 S/N 18253599 and on
47 S/N 18255845 and on
48 S/N 18257626 thru 18260445 only
49 S/N 18257626 and on
50 S/N 18258686 and on
51 S/N 18260056 thru 18260825 only
52 S/N 18260446 thru 18260825 only
53 S/N 18260826 thru 18261425 only
54 S/N 18260826 thru 18263475 only
55 S/N 18260826 thru 18264295 only
56 S/N 18260826 thru 18265175 only
57 S/N 18260826 thru 18267300 only
58 S/N 18261426 thru 18264295 only
59 S/N 18262466 and on
60 S/N 18263476 thru 18265590 only
61 S/N 18263476 and on
63 S/N 18264296 and on
64 S/N 18267301 and on
65 S/N 18265176 and on

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 180, 182, 185, 188 Series
continued from previous page

182P,Q,R, T182 continued
S/N 18260826 thru 18268586

Description	Idx	Part Number
Fairing, Strut To Wing, LH	D	118-4-9 A
		180-LWS T
		K0723605-3 T
		SA-0723605-3 2 S
Fairing, Strut To Wing, RH	D	180-RWS T
		K0723605-4 T
		SA-0723605-4 2 S
Tip, Dorsal Fin	I	31-12 59 T
Tip, Elevator, LH	M	31-10 LEFT T
		GF1234608-01 K
		SA-1234608-3 S
Tip, Elevator, RH	M	31-10 RIGHT T
		GF1234608-02 K
		SA-1234608-4 S
Tip, Horiz. Stab., LH or RH	P	31-09 57 T
		GF1232604-1 57 K
		GF1232604-2 64 K
		SA-1232604-1 57 S
Tip, Wing, LH	A	20-52L-80A T
		GF0723200-5 K
		SA-0723200-5 4 1 S
Tip, Wing, RH	A	20-52R-80A T
		GF0723200-6 K
		SA-0723200-6 4 1 S
Wing Pos., Light Shield, LH	A	219-4-7 6 A
Wing Pos., Light Shield, RH	A	219-4-8 6 A

182S,T, T182T
S/N 18280001 thru 18299999 and
S/N T18208001 thru T18299999

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 66 K
		SA-0731606-9 S
Cap, Vert. Fin Small Beacon Base	J	K1231064 K
Cap, Vert. Fin 2 ¼" Beacon Base	J	SA-0731606-11 66 S
		SA-1231064-10 67 S
Fairing, Brake Cover, LH	G	31-08-LBC T
		K0741641-19 K
		SA-0741641-15 66 S
Fairing, Brake Cover, RH	G	31-08-RBC T
		K0741641-18 K
		SA-0741641-14 66 S
Fairing Land. Gear Strut LH	F	SA-0741052-11 S
Fairing Land. Gear Strut RH	F	SA-0741052-12 S
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741648-01 67 K
		GF0541223-01 66 K
		SA-0541223-17 66 S
		SA-0741647-1 67 S
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741648-02 67 K
		GF0541223-02 66 K
		SA-0541223-16 66 S
		SA-0741647-2 67 S
Fairing, Nose Wheel	C	20-40N-80A T
		GF0543079-00 66 K
		K0743050 67 K
		SA-0543079-3 66 S
		SA-0743050-14 67 S
Fairing, Stinger (Tailcone)	N	K1212010-19 K
		SA-1212010-15 S

Continued on next column

182S,T, T182T continued
S/N 18280001 thru 18299999 and
S/N T18208001 thru T18299999

Description	Idx	Part Number
Fairing, Strut To Fuslg, LH	E	118-4-17 66 A
		182-LFS T
		K0723612-3 66 T
		SA-0720702-9 67 S
		SA-0723612-3 66 2 S
Fairing, Strut To Fuslg, RH	E	118-4-16 66 A
		182-RFS T
		K0723612-4 66 T
		SA-0720702-10 67 S
		SA-0723612-4 66 2 S
Fairing, Strut To Wing, LH	D	118-4-9 66 A
		180-LWS T
		K0723605-3 66 T
		SA-0720702-1 67 S
		SA-0723605-3 66 2 S
Fairing, Strut To Wing, RH	D	180-RWS T
		K0723605-4 66 T
		SA-0720702-2 67 S
		SA-0723605-4 66 2 S
Tip, Elevator, LH	M	GF1234608-01 66 K
		SA-1234608-3 S
Tip, Elevator, RH	M	GF1234608-02 66 K
		SA-1234608-4 S
Tip, Horiz. Stab., LH or RH	P	GF1232604-2 66 K
		SA-1232604-2 S
Tip, Wing, LH	A	20-52L-80A T
		GF0723200-5 66 K
		SA-0723200-5 66 4 1 S
		SA-0723205-1 67 S
Tip, Wing, RH	A	20-52R-80A T
		GF0723200-6 66 K
		SA-0723200-6 66 4 1 S
		SA-0723205-2 67 S
Wing Pos., Light Shield, LH	A	219-4-7 66 6 A
Wing Pos., Light Shield, RH	A	219-4-8 66 6 A

Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See page 427. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 Also available as a FAA-PMA/STC approved split Fairing for easy install & removal; add "SP" suffix to the P/N
3 FAA-PMA/STC approved split Fairing for easy installation and removal
4 For kits including LH and RH, see page 427
5 For wings with a conical wing tip
6 For a wing with STOL leading edge radius
57 S/N 18260826 thru 18267300 only
58 S/N 18261426 thru 18264295 only
59 S/N 18262466 and on
60 S/N 18263476 thru 18265590 only
61 S/N 18263476 and on
63 S/N 18264296 and on
64 S/N 18267301 and on
65 S/N 18265176 and on
66 Model 182S only
67 Models 182T, T182T only

Continued on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 180, 182, 185, 188 Series
continued from previous page

A182J,K,L,N, F182P,Q, FR182, R182, TR182
S/N A182-0001 thru A182-0148
F18200001 thru F18200169
FR18200001 thru FR18200070
R18200001 thru R18202041

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 74 K
		SA-0731606-9 74 S
Cap, Vertical Fin No Beacon Base	J	GF0731606-03 72 K
		SA-0731606-10 71 S
Cap, Vert. Fin Small Beacon Base	J	K1231064 73 K
Cap, Vert. Fin 2 ¼" Beacon Base	J	SA-1231064-1 74 S
Fairing, Brake Cover, LH	G	K0741641-19 71 K
		SA-0741641-15 71 S
Fairing, Brake Cover, RH	G	K0741641-18 71 K
		SA-0741641-14 71 S
Fairing Land. Gear Strut LH	F	SA-0741052-201 71 S
Fairing Land. Gear Strut RH	F	SA-0741052-200 71 S
Fairing, Main Wheel, LH (Wheel Pant)	B	GF0541223-01 71 K
		K0741046-203 75 K
		SA-0541223-17 71 S
Fairing, Main Wheel, RH (Wheel Pant)	B	GF0541223-02 71 K
		K0741046-202 75 K
		SA-0541223-16 71 S
Fairing, Nose Wheel	C	20-40N-80A 71 T
		GF0543079-00 71 K
		K0743625-14 75 K
		SA-0543079-3 71 S
Fairing, Stinger (Tailcone)	N	K1212010-19 K
		SA-1212010-15 74 S
Fairing, Strut To Fuslg, LH	E	118-4-17 77 A
		182-LFS T
		K0723612-3 74 T
		SA-0720702-9 77 S
		SA-0723612-3 71 S
Fairing, Strut To Fuslg, RH	E	118-4-16 77 A
		182-RFS T
		K0723612-4 74 T
		SA-0720702-10 77 S
		SA-0723612-4 71 S
Fairing, Strut To Wing, LH	D	118-4-9 77 A
		180-LWS T
		K0723605-3 74 T
		SA-0720702-1 77 S
		SA-0723605-3 74 2 S
Fairing, Strut To Wing, RH	D	180-RWS T
		K0723605-4 74 T
		SA-0720702-2 77 S
		SA-0723605-4 74 2 S
Tip, Elevator, LH	M	GF1234608-01 73 K
		SA-1234608-3 74 S
Tip, Elevator, RH	M	GF1234608-02 73 K
		SA-1234608-4 74 S
Tip, Horiz. Stab., LH or RH	P	GF1232604-1 69 K
		GF1232604-2 70 K
Tip, Wing, LH	A	20-52L-80A 74 T
		GF0723200-5 77 K
		SA-0723200-5 74 4 1 S
Tip, Wing, RH	A	20-52R-80A 74 T
		GF0723200-6 77 K
		SA-0723200-6 74 4 1 S
Tip, Wing, Sym., LH or RH	A	K0723615-200 68 K
Wing Pos., Light Shield, LH	A	219-4-7 77 6 A
Wing Pos., Light Shield, RH	A	219-4-8 77 6 A

Continued on next column

185, 185A,B,C,D,E, A185E,F
S/N 185-0001 thru 18504448

Description	Idx	Part Number
Cap, Vertical Fin No Beacon Base	J	SA-0742025-1 S
Cap, Vert. Fin 2 ¼" Beacon Base	J	SA-0731019-2 S
Cap, Vert. Fin 3 ½" Beacon Base	J	SA-0731015-1 S
Fairing, Brake Cover, LH	G	SA-0741059-1 S
Fairing, Brake Cover, RH	G	SA-0741059-2 S
Fairing, Main Wheel, LH (Wheel Pant)	B	SA-0741070-1 83 S
Fairing, Main Wheel, RH (Wheel Pant)	B	SA-0741070-2 83 S
Fairing, Stinger (Tailcone)	N	SA-0712400-9 S
Fairing, Strut To Fuslg, LH	E	180-LFS-T 80 T
		SA-0723605-1 76 S
		SA-1227002-3SP 3 S
Fairing, Strut To Fuslg, RH	E	180-RFS-T 80 T
		SA-0723605-2 76 S
		SA-1227002-2SP 3 S
Fairing, Strut To Wing, LH	D	180-LWS T
		SA-0723605-3 76 S
		SA-1227002-11SP 3 S
Fairing, Strut To Wing, RH	D	180-RWS T
		SA-0723605-4 76 S
		SA-1227002-10SP 3 S
Fairing, Tailwheel Strg Cbl LH	O	SA-0712309-9 S
Fairing, Tailwheel Strg Cbl RH	O	SA-0712309-10 S
Tip, Horiz. Stab., LH or RH	P	SA-0732613-3 S
Tip, Wing, LH	A	20-51L-80A 81 T
		20-52L-80A 83 T
		GF0723200-5 K
		SA-0723200-5 83 4 1 S
Tip, Wing, RH	A	20-51R-80A 81 T
		20-52R-80A 83 T
		GF0723200-6 K
		SA-0723200-6 83 4 1 S
Tip, Wing, Conical, LH	A	GF0523565-29791 82 K
		SA-0523565-29 82 4 1 S
Tip, Wing, Conical, RH	A	GF0523565-30791 82 K
		SA-0523565-30 82 4 1 S
Tip, Wing, Hoerner Style	A	11004 (set of two) 78 K
Tip, Wing, Sym., LH or RH	A	K0723615-200 78 K
		SA-0723615-200 78 S
Wing Pos., Light Shield, LH	A	219-4-7 83 6 A
Wing Pos., Light Shield, RH	A	219-4-8 83 6 A

Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See page 427. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
2 Also available as a FAA-PMA/STC approved split Fairing for easy install & removal; add "SP" suffix to the P/N
3 FAA-PMA/STC approved split Fairing for easy install and removal
4 For kits including LH and RH, see page 427
5 For wings with a conical wing tip
6 For a wing with STOL leading edge radius
66 Model 182S only
67 Models 182T, T182T only
68 S/N A182-0001 thru A182-0116 only
69 S/N 18200001 thru 18201313 only
70 S/Ns 18201314 and on and FR18200046 thru FR18200070
71 Models F182P,Q only
72 Models F182P,Q, FR182 and R182 only
73 Models F182P,Q, FR182, R182 and TR182 only
74 Models F182P,Q, R182 and TR182 only
75 Models A182K,L,N only
76 S/N 185-0001 thru 185-0237 only
77 S/N 185-0001 thru 185-0967 only
78 S/N 185-0001 thru 185-1149 only
79 S/N 185-0001 thru 185-1599 only
80 S/N 185-0001 thru 18502310 only

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 180, 182, 185, 188 Series
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188, 188A,B, A188, A188A,B, T188C
S/N 188-0001 thru 18803973

Description	Idx	Part Number
Cover, Fuel Strainer	Q	SA-1616036-1 84 S
Fairing, Gear Leg, LH	F	SA-1621410-7 85 S
		SA-1613420-11 87 S
		SA-1613220-23 86 S
Fairing, Gear Leg, RH	F	SA-1621410-8 85 S
		SA-1613420-12 87 S
		SA-1613220-24 86 S
Fairing, Stinger (Tailcone)	N	SA-0712400-9 S
Fairing, Strut Upper, LH	E	SA-1613220-11 87 S
		SA-1620024-1 87 S
Fairing, Strut Upper, RH	E	SA-1613220-12 87 S
		SA-1620024-2 87 S
Fairing, TE Wing Root, LH	R	SA-1600011-1 84 S

Continued on next column

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Fairing, TE Wing Root, RH	R	SA-1600011-2 84 S
Tip, Wing, LH	A	20-52L-80A T
		SA-0723200-5 4 1 S
Tip, Wing, RH	A	20-52R-80A T
		SA-0723200-6 4 1 S

Notes:
1 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See below. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
4 For kits including LH and RH, see below
84 Model T188C not eligible
85 Models 188B and A188B only
86 Models 188A,B and A188A,B only
87 Models 188, 188A, A188, A188A only

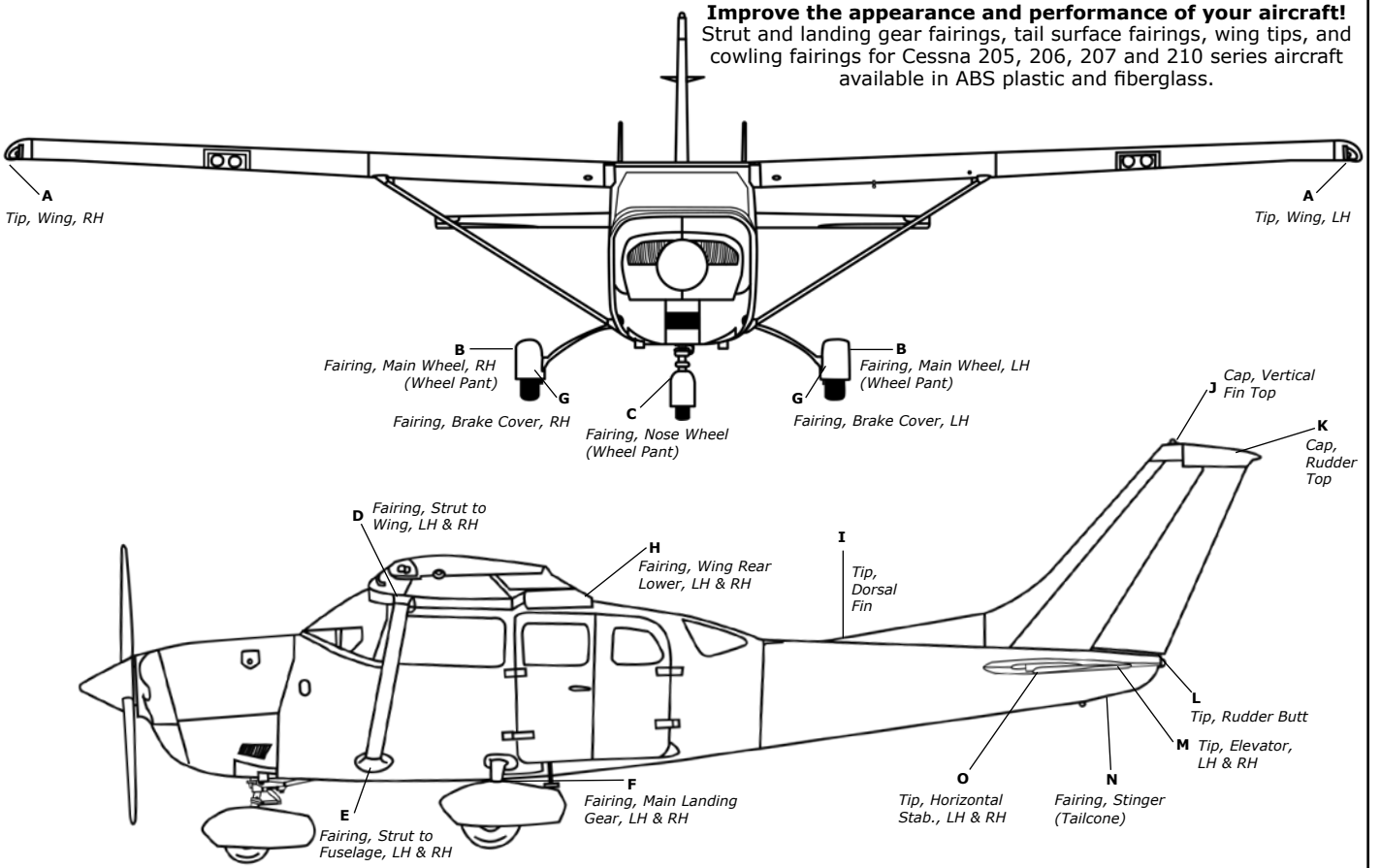
Kits available for 180, 182, 185 and 188 aircraft

Kit P/N	Kit Description	Part Number	Item Description
20-51-80A	Conical Wing Tip Kit	20-51L-80A	Tip, Wing, LH
		20-51R-80A	Tip, Wing, RH
20-52-80A	Conical Wing Tip Kit	20-52L-80A	Tip, Wing, LH
		20-52R-80A	Tip, Wing, RH
30-04-80A	Wing Strut Fairing Kit	180-LFS-T	Fairing, Strut To Fuselage, LH
		180-RFS-T	Fairing, Strut To Fuselage, RH
		180-LWS	Fairing, Strut to Wing, LH
		180-RWS	Fairing, Strut to Wing, RH
31-01-80A	Wing Strut Fairing Kit	182-LFS	Fairing, Strut To Fuselage, LH
		182-RFS	Fairing, Strut To Fuselage, RH
		180-LWS	Fairing, Strut to Wing, LH
		180-RWS	Fairing, Strut to Wing, RH
31-03-80A	Landing Gear Fairing Kit	31-03-LGF	Fairing, Land. Gear Strut, LH
		31-03-RGF	Fairing, Land. Gear Strut, RH
31-07-80A	Brake Cover Fairing Kit	31-07-LBC	Fairing, Brake Cover, LH
		31-07-RBC	Fairing, Brake Cover, RH
31-08-80A	Brake Cover Fairing Kit	31-08-LBC	Fairing, Brake Cover, LH
		31-08-RBC	Fairing, Brake Cover, RH
KPS01	Split Strut Fairing Kit, Plastic	K0723612-3	Fairing, Strut to Fuselage, LH
		K0723612-4	Fairing, Strut to Fuselage, RH
		K0723605-3	Fairing, Strut to Wing, LH
		K0723605-4	Fairing, Strut to Wing, RH
KPS02	Split Strut Fairing Kit, Plastic	K0723605-1	Fairing, Strut to Fuselage, LH
		K0723605-2	Fairing, Strut to Fuselage, RH
		K0723605-3	Fairing, Strut to Wing, LH
		K0723605-4	Fairing, Strut to Wing, RH
SA-0523565-2930	Wing Tips 1 2	SA-0523565-29	Tip, Wing, Conical, LH
		SA-0523565-30	Tip, Wing, Conical, RH
SA-0720702-1234	Strut Fairing Kit	SA-0720702-9	Fairing, Strut to Fuselage, LH
		SA-0720702-10	Fairing, Strut to Fuselage, RH
		SA-0720702-1	Fairing, Strut to Wing, LH
		SA-0720702-2	Fairing, Strut to Wing, RH
SA-0723200-56	Wing Tips 1 2	SA-0723200-5	Tip, Wing, Conical, LH
		SA-0723200-6	Tip, Wing, Conical, RH
SA-0723605-1234	Strut Fairing Kit, Fiberglass For FAA-PMA/STC split Fairings add an "SP" suffix to the kit P/N	SA-0723605-1	Fairing, Strut to Fuselage, LH
		SA-0723605-2	Fairing, Strut to Fuselage, RH
		SA-0723605-3	Fairing, Strut to Wing, LH
		SA-0723605-4	Fairing, Strut to Wing, RH
SA-0723612-3434	Strut Fairing Kit, Fiberglass For FAA-PMA/STC split Fairings add an "SP" suffix to the kit P/N	SA-0723612-3	Fairing, Strut to Fuselage, LH
		SA-0723612-4	Fairing, Strut to Fuselage, RH
		SA-0723605-3	Fairing, Strut to Wing, LH
		SA-0723605-4	Fairing, Strut to Wing, RH
SA-1227002-1145SP	Split Strut Fairing Kit, Fiberglass	SA-1227002-3SP	Fairing, Strut to Fuselage, LH
		SA-1227002-2SP	Fairing, Strut to Fuselage, RH
		SA-1227002-11SP	Fairing, Strut to Wing, LH
		SA-1227002-10SP	Fairing, Strut to Wing, RH

1 Add "LL-14V (14 Volt Installation) or LL-28V (28 Volt Installation)" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Installation kit including all hardware required for installation of Quasar LED lighted wing tips is included. Kits include shielded wire, all connectors, switches and breaker.
2 Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.

Cessna 205, 206, 207, and 210 Series

Improve the appearance and performance of your aircraft!
Strut and landing gear fairings, tail surface fairings, wing tips, and cowling fairings for Cessna 205, 206, 207 and 210 series aircraft available in ABS plastic and fiberglass.



210-5(205), 210-5A(205A)
S/N 205-0001 thru 205-0577

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 K
		SA-0731606-10 S
		SA-1231001-2 S
Cap, Vertical Fin	J	GF0731606-03 K
Fairing, Stinger (Tailcone)	N	SA-1212010-14 S
Fairing, Strut To Fuslg, LH	E	SA-1227401-5 1 S
Fairing, Strut To Fuslg, RH	E	SA-1227401-4 1 S
Fairing, Strut To Wing, LH	D	SA-1227002-11 1 S
Fairing, Strut To Wing, RH	D	SA-1227002-10 1 S
Tip, Horiz. Stab., LH or RH	O	SA-0732613-1 S
Tip, Wing, LH	A	SA-1223000-7 S
Tip, Wing, RH	A	SA-1223000-8 S
Wing Pos., Light Shield, RH	A	219-4-6 2 A

1 Also available as a FAA-PMA/STC approved split Fairing for easy installation and removal; add an "SP" suffix to the P/N.
2 For wings with a conical wing tip

206, TU206A,B,C,D, U206, U206A,B,C,D
S/N 206-0001 thru 206-0275, U206-0276 thru U206-1444

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 3 K
		GF0731606-01 8 K
		SA-0731606-6 6 S
		SA-1231001-2 1 S
		SA-1233736-1 13 S
Cap, Vertical Fin No Beacon Base	J	K0731606-1 6 K
Cap, Vertical Fin Small Beacon Base	J	K0731606-3 6 K
Cap, Vertical Fin 2 ¼" Beacon Base	J	SA-0731606-3 6 S
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741046-203 8 K
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741046-202 8 K

Eligibility continues in next column

Continued from previous column

Description	Idx	Part Number
Fairing, Nose Wheel	C	K0743625-14 10 K
Fairing, Strut To Fuslg, LH	E	SA-1227402-3 12 S
Fairing, Strut To Fuslg, RH	E	SA-1227402-4 12 S
Fairing, Strut To Wing, LH	D	SA-1227002-11 12 S
Fairing, Strut To Wing, RH	D	SA-1227002-10 12 S
Fairing, Stinger (Tailcone)	N	GF1212010-00 K
		SA-1212010-14 S
Tip, Elevator, LH	M	GF1234608-01 2 K
		K1234640-1 7 K
		SA-1234608-3 5 S
		SA-1234640-1 7 S
Tip, Elevator, RH	M	GF1234608-02 2 K
		K1234640-2 7 K
		SA-1234608-4 5 S
		SA-1234640-2 7 S
Tip, Horiz. Stab., LH or RH	O	GF1232604-1 4 K
		SA-1232604-1 5 S
		SA-1232012-1 11 S
		SA-1232616-1 9 S
Tip, Wing, LH	A	SA-1223000-7 S
Tip, Wing, RH	A	SA-1223000-8 S

1 Models 206, U206 only
2 Models 206, U206, U206A,B only
3 Models 206, U206, U206A,B,C,D only
4 Models 206, TU206B, U206, U206A, only
5 Models TU206A,B, U206A,B only
6 Models TU206B,C,D, U206B,C,D only
7 Models TU206C,D, U206C,D only
8 Models U206B,C,D only
9 Models U206C only
10 S/N U206-0657 thru U206-1389 only
11 S/N U206-1161 thru U206-1444 only
12 Also available as a FAA-PMA/STC approved split Fairing for easy installation and removal; add an "SP" suffix to the P/N.
13 For aircraft with factory float kit option only
14 For wings with a conical wing tip

Eligibility continues in next column

Continued from previous column

Description	Idx	Part Number
Wing Pos., Light Shield, RH	A	219-4-6 14 A

P206, P206A,B,C,D,E, TP206A,B,C,D,E
S/N P206-0002 thru P206-0647

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 1 K
		GF0731606-01 5 K
		SA-0731606-6 5 S
		SA-1231001-2 1 S
Cap, Vertical Fin No Beacon Base	J	K0731606-1 5 K
Cap, Vertical Fin Small Beacon Base	J	K0731606-3 5 K
Cap, Vertical Fin 2 ¼" Beacon Base	J	SA-0731606-3 5 S
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741046-203 5 K
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741046-202 5 K
Fairing, Nose Wheel	C	K0743625-14 4 K
Fairing, Strut To Fuslg, LH	E	SA-1227402-3 9 S
Fairing, Strut To Fuslg, RH	E	SA-1227402-4 9 S
Fairing, Strut To Wing, LH	D	SA-1227002-11 9 S
Fairing, Strut To Wing, RH	D	SA-1227002-10 9 S
Fairing, Stinger (Tailcone)	N	GF1212010-00 K
		SA-1212010-14 S
Tip, Elevator, LH	M	GF1234608-01 2 K
		K1234640-1 7 K
		SA-1234608-3 3 S
		SA-1234640-1 7 S
Tip, Elevator, RH	M	GF1234608-02 2 K
		K1234640-2 7 K
		SA-1234608-4 3 S
		SA-1234640-2 7 S
Tip, Horiz. Stab., LH or RH	O	GF1232604-1 2 K
		SA-1232604-1 3 S
		SA-1232012-1 8 S
		SA-1232616-1 6 S

Eligibility continues on next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 205, 206, 207, and 210 Series

Continued from previous page

Description	Idx	Part Number
Tip, Wing, LH	A	20-51L-80A 8 T
		SA-1223000-7 S
Tip, Wing, RH	A	20-51R-80A 8 T
		SA-1223000-8 S
Wing Pos., Light Shield, RH	A	219-4-6 10 A

1 Models P206, P206A only
2 Models P206, P206A,B only
3 Models P206A,B, TP206A,B only
4 Models P206B,C,D only
5 Models P206B,C,D,E only
6 Models P206C,D only
7 Models P206C,D,E, TP206C,D,E only
8 Models P206D,E, TP206D,E only
9 Also available as a FAA-PMA/STC approved split Fairing for easy installation and removal; add an "SP" suffix to the P/N.
10 For wings with a conical wing tip

TU206E,F,G, U206E,F,G
S/N U20601445 thru U20607020

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 5 K
		GF0731606-01 9 K
		SA-0731606-6 8 S
		SA-0731606-9 17 S
		SA-1233736-1 19 S
Cap, Vertical Fin No Beacon Base	J	K0731606-1 9 K
Cap, Vertical Fin Small Beacon Base	J	K0731606-3 9 K
		K1231064 17 K
Cap, Vertical Fin 2 ¼" Beacon Base	J	SA-0731606-3 8 S
		SA-1231064-1 17 S
Cap, Vertical Fin 2 ½" Beacon Base	J	SA-1231059-1 13 S
Fairing, Brake, LH	G	SA-1241113-1 6 S
		SA-1241232-1 6 S
Fairing, Brake, RH	G	SA-1241113-2 6 S
		SA-1241232-2 6 S
Fairing, Main Gear, LH	B	GF0541223-01 16 K
		SA-0541203-1 10 S
		SA-0541223-17 16 S
		SA-1241229-1 3 S
Fairing, Main Gear, RH	B	GF0541223-02 16 K
		SA-0541203-2 10 S
		SA-0541223-16 16 S
		SA-1241229-2 3 S
Fairing, Main Wheel, LH (Wheel Pant)	B	K0741046-203 7 K
Fairing, Main Wheel, RH (Wheel Pant)	B	K0741046-202 7 K
Fairing, Nose Wheel	C	20-40N-80A 12 T
		GF0543079-00 16 K
		SA-0543065-1 10 S
		SA-0543079-3 16 S
		SA-1234045-1 3 S
Fairing, Strut To Fuslg, LH	E	SA-1227010-1 3 S
		SA-1227402-3 1 18 S
Fairing, Strut To Fuslg, RH	E	SA-1227010-2 3 S
		SA-1227402-4 1 18 S
Fairing, Strut To Wing, LH	D	SA-1227002-11 1 18 S
		SA-1227005-5 15 S
Fairing, Strut To Wing, RH	D	SA-1227002-10 1 18 S
		SA-1227005-6 15 S
Fairing, Stinger (Tailcone)	N	GF1212010-00 K
		SA-1212010-14 S
Tip, Elevator, LH	M	K1234640-1 K
		SA-1234640-1 S
Tip, Elevator, RH	M	K1234640-2 K
		SA-1234640-2 S
Tip, Horiz. Stab., LH or RH	O	GF1232012-1 3 K
		SA-1232012-1 S
Tip, Wing, LH	A	20-51L-80A 4 T
		20-52L-80A 2 T
		GF0723200-5 3 K
		SA-0723200-5 3 22 23 S

Eligibility continues in next column

Continued from previous column

Description	Idx	Part Number
Tip, Wing, RH	A	20-51R-80A 4 T
		20-52R-80A 2 T
		GF0723200-6 3 K
		SA-0723200-6 3 22 23 S
Tip, Wing, Conical, LH	A	GF0523565-29791 11 K
		SA-0523565-29 11 22 23 S
Tip, Wing, Conical, RH	A	GF0523565-30791 11 K
		SA-0523565-30 11 22 23 S
Wing Pos., Light Shield, LH	A	219-4-7 3 21 A
Wing Pos., Light Shield, RH	A	219-4-6 4 20 A
		219-4-8 3 21 A

1 Models TU206E,U206E only
2 Models TU206F, U206F only
3 Models TU206F,G, U206F,G only
4 Model U206E only
5 Models U206E,F,G only
6 Model U206G only
7 S/N U20601445 thru U20601587 only
8 S/N U20601445 thru U20601905 only
9 S/N U20601445 thru U20603020 only
10 S/N U20601588 thru U20602199 only
11 S/N U20601605 thru U20601700 only
12 S/N U20601701 thru U20603521 only
13 S/N U20601906 thru U20603020 only
14 S/N U20602200 and On
15 S/N U20602576 and On
16 S/N U20602580 and On
17 S/N U20603021 and On
18 Also available as a FAA-PMA/STC approved split Fairing for easy installation and removal; add an "SP" suffix to the P/N.
19 For aircraft with factory float kit option only
20 For wings with a conical wing tip
21 For a wing with STOL leading edge radius
22 For kits including LH and RH, see page 431.
23 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See page 431.
Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.

206H, T206H
S/N 20608001 thru 20699999, T20608001 thru T20699999

Description	Idx	Part Number
Cap, Rudder Top	K	SA-0731606-9 S
Cap, Vertical Fin 2 ¼" Beacon Base	J	SA-0731606-11 S
Cap, Vertical Fin 2 ½" Beacon Base	J	K1231064 K
Fairing, Main Gear, LH	B	GF0541223-01 2 K
		SA-0541223-17 S
		SA-1241229-1 S
Fairing, Main Gear, RH	B	GF0541223-02 2 K
		SA-0541223-16 S
		SA-1241229-2 S
Fairing, Nose Wheel	C	SA-0543079-3 S
		SA-1243045-12 6 S
Fairing, Strut To Fuslg, LH	E	SA-1227010-1 S
Fairing, Strut To Fuslg, RH	E	SA-1227010-2 S
Fairing, Strut To Wing, LH	D	SA-1227005-5 S
Fairing, Strut To Wing, RH	D	SA-1227005-6 S
Fairing, Stinger (Tailcone)	N	GF1212010-00 K
Tip, Elevator, LH	M	K1234640-1 K
		SA-1234640-3 S
Tip, Elevator, RH	M	K1234640-2 K
		SA-1234640-4 S
Tip, Horiz. Stab., LH or RH	O	SA-1232012-1 S
Tip, Wing, LH	A	GF0723200-5 K
		SA-0723200-5 1 3 5 S
		SA-0723205-1 S
Tip, Wing, RH	A	GF0723200-6 K
		SA-0723200-6 1 3 5 S
		SA-0723205-2 S
Wing Pos., Light Shield, LH	A	219-4-7 4 A
Wing Pos., Light Shield, RH	A	219-4-8 4 A

1 S/N 206-08001 thru 20608361 and T20608001 thru T20608361 only
2 Model T206H only
3 For kits including LH and RH see page 431.
4 For a wing with STOL leading edge radius
5 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See page 431. Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.
6 Heavy Duty

Eligibility continues on next column

Continued from previous column

207, 207A, T207, T207A
S/N 20700001 thru 20700788

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 8 K
		GF0731606-01 4 K
		SA-0731606-6 4 S
		SA-0731606-9 8 S
Cap, Vertical Fin No Beacon Base	J	K0731606-1 4 K
Cap, Vertical Fin Small Beacon Base	J	K0731606-3 4 K
		K1231064 8 K
Cap, Vertical Fin 2 ¼" Beacon Base	J	SA-0731606-3 2 S
		SA-1231064-1 8 S
Cap, Vertical Fin 2 ½" Beacon Base	J	SA-1231059-1 6 S
Fairing, Brake, LH	G	SA-1241228-1 8 S
Fairing, Brake, RH	G	SA-1241228-2 8 S
Fairing, Gear Leg, LH	F	SA-1241217-1 S
Fairing, Gear Leg, RH	F	SA-1241217-2 S
Fairing, Main Gear, LH	B	GF0541223-01 8 K
Fairing, Main Gear, RH	B	GF0541223-02 8 K
Fairing, Nose Wheel	C	GF0543079-00 8 K
		K0743625-14 5 K
		SA-0543079-3 5 S
Fairing, Stinger (Tailcone)	N	GF1212010-00 K
		SA-1212010-14 S
Fairing, Strut To Fuslg, LH	E	SA-1227010-1 S
Fairing, Strut To Fuslg, RH	E	SA-1227010-2 S
Fairing, Strut To Wing, LH	D	SA-1227011-5 S
Fairing, Strut To Wing, RH	D	SA-1227011-6 S
Tip, Elevator, LH	M	K1234640-1 K
		SA-1234640-1 9 S
Tip, Elevator, RH	M	K1234640-2 K
		SA-1234640-2 9 S
Tip, Horiz. Stab., LH or RH	O	GF1232012-1 K
		SA-1232012-1 9 S
Tip, Wing, LH	A	20-51L-80A 5 T
		SA-1223000-7 1 S
		SA-0523565-29 7 11 12 S
Tip, Wing, RH	A	20-51R-80A 5 T
		SA-1223000-8 1 S
		SA-0523565-30 7 11 12 S
Tip, Wing, Conical, LH	A	GF0523565-29791 7 K
Tip, Wing, Conical, RH	A	GF0523565-30791 7 K
Wing Pos., Light Shield, RH	A	219-4-6 11 7 A

1 S/N 20700001 thru 20700148 only
2 S/N 20700001 thru 20700216 only
3 S/N 20700001 thru 20700254 only
4 S/N 20700001 thru 20700314 only
5 S/N 20700001 thru 20700362 only
6 S/N 20700217 thru 20700314 only
7 S/N 20700192 and on
8 S/N 20700315 and on
9 S/N 20700363 and on
10 For wings with a conical wing tip
11 For kits including LH and RH, see page 431.
12 Add "LL-14V or LL-28V" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Must purchase as a LH and RH kit. See page 431.
Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.

210, 210A,B,C,D,E,F
S/N 57001 thru 21058818

Description	Idx	Part Number
Cap, Rudder Top	K	GF0731606-04 K
		SA-1231001-2 S
Cap, Vertical Fin	J	GF0731606-03 K
Fairing, Strut To Fuslg, LH	E	34-01-01-LFS 1 T
		34-01-23-LFS 4 T
		SA-1227002-3 1 S
		SA-1227401-3 4 S
		SA-1227402-1 5 S
		SA-1227402-3 7 S
Fairing, Strut To Fuslg, RH	E	34-01-01-RFS 1 T
		34-01-23-RFS 4 T
		SA-1227002-2 1 S
		SA-1227401-2 4 S
		SA-1227402-2 5 S
		SA-1227402-4 7 S

Eligibility continues in next page

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 205, 206, 207, and 210 Series

Continued from previous page

Fairing, Strut To Wing, LH	D	34-01-05-LWS	3 T
		SA-1227002-11	6 S
		SA-1227002-5	2 S
Fairing, Strut To Wing, RH	D	34-01-05-RWS	3 T
		SA-1227002-10	6 S
		SA-1227002-4	2 S
Fairing, Stinger (Tailcone)	N	SA-1212010-14	S
Tip, Elevator, LH	M	GF1234608-01	K
		SA-1234608-3	6 S
Tip, Elevator, RH	M	GF1234608-02	K
		SA-1234608-4	6 S
Tip, Horiz. Stab., LH or RH	O	SA-0732613-1	2 S
		GF1232604-1	6 K
		SA-1232604-1	6 S
Tip, Wing, Hoerner Style	A	11004 (set of two)	K
Tip, Wing, LH	A	SA-1223000-7	2 S
Tip, Wing, RH	A	SA-1223000-8	2 S

1 Models 210, 210A only
2 Models 210, 210A,B,C only
3 Models 210, 210A,B,C,D,E only
4 Models 210B,C only
5 Models 210D,E only
6 Models 210D,E,F only
7 Model 210F only

210G,H,J,K,L,M,N,R
S/N 21058819 thru 21065009

Description	Idx	Part Number	
Cap, Rudder Top	K	GF0731606-04	9 K
		GF0731606-01	1 K
		SA-0731606-6	5 S
		SA-0731606-9	9 S
Cap, Vertical Fin No Beacon Base	J	GF0731606-03	11 K
		K0731606-1	1 K
		SA-0731606-1	5 S
		SA-0731606-10	10 S
Cap, Vertical Fin Small Beacon Base	J	K0731606-3	1 K
		K1231064	11 K
Cap, Vertical Fin 2 ¼" Beacon Base	J	SA-0731606-3	4 S
		SA-1231064-1	10 S
Cap, Vertical Fin 2 ½" Beacon Base	J	SA-1231059-1	8 S

Eligibility continues in next column

Continued from previous column

Fairing, Stinger (Tailcone)	N	GF1212010-00	7 K
		SA-1212010-14	S
Tip, Elevator, LH	M	K1234640-1	K
		SA-1234640-1	2 S
Tip, Elevator, RH	M	K1234640-2	K
		SA-1234640-2	2 S
Tip, Horiz. Stab., LH or RH	O	SA-1232012-1	2 S
		GF1232012-1	3 K
Tip, Wing, LH	A	SA-1221111-203	6 S
Tip, Wing, RH	A	SA-1221111-202	6 S

1 S/N 21058819 thru 21061573 only
2 S/N 21058819 thru 21064897 only
3 S/N 21059038 thru 21064897 only
4 S/N 21059200 thru 21059719 only
5 S/N 21059200 thru 21061039 only
6 S/N 21059200 thru 21064897 only
7 S/N 21059200 and On
8 S/N 21059503 thru 21061573 only
9 S/N 21059503 and On
10 S/N 21061040 thru 21064135 only
11 S/N 21061040 and On

P210N,R
S/N P21000001 thru P21000874

Description	Idx	Part Number	
Cap, Rudder Top	K	GF0731606-04	K
Cap, Vertical Fin No Beacon Base	J	GF0731606-03	K
Cap, Vertical Fin Small Beacon Base	J	K1231064	K
Fairing, Stinger (Tailcone)	N	GF1212010-00	K
		SA-1212010-14	S
Tip, Elevator, LH	M	K1234640-1	K
		SA-1234640-1	1 S
Tip, Elevator, RH	M	K1234640-2	K
		SA-1234640-2	1 S
Tip, Wing, LH	A	SA-1221111-203	1 S
Tip, Wing, RH	A	SA-1221111-202	1 S

1 Model P210N only

Eligibility continues in next column

Continued from previous column

T210F,G,H,J,K,L,M,N,R
S/N T210-0001 thru T210-0454

Description	Idx	Part Number	
Cap, Rudder Top	K	GF0731606-04	9 K
		GF0731606-01	2 K
		SA-1231001-2	1 S
Cap, Vertical Fin No Beacon Base	J	GF0731606-03	1 K
		K0731606-1	2 K
Cap, Vertical Fin Small Beacon Base	J	K0731606-3	2 K
		K1231064	1 K
Cap, Vertical Fin 2 ½" Beacon Base	J	SA-1231059-1	10 S
Fairing, Stinger (Tailcone)	N	GF1212010-00	8 K
		SA-1212010-14	S
Tip, Elevator, LH	M	GF1234608-01	1 K
		K1234640-1	4 K
		SA-1234608-3	1 S
		SA-1234640-1	3 S
Tip, Elevator, RH	M	GF1234608-02	1 K
		K1234640-2	4 K
		SA-1234608-4	1 S
		SA-1234640-2	3 S
Tip, Horiz. Stab., LH or RH	O	SA-1232012-1	3 S
		GF1232012-1	5 K
		GF1232604-1	1 K
		SA-1232604-1	1 S
Tip, Wing, LH	A	SA-1221111-203	7 S
Tip, Wing, RH	A	SA-1221111-202	7 S

1 Models T210F only
2 Models T210G,H,J,K,L only
3 Models T210G,H,J,K,L,M,N only
4 Models T210G,H,J,K,L,M,N,R only
5 S/N T210-0382 thru T210-0454 only
6 Models T210H,J,K,L,M,N only
7 Models T210K,L,M,N only
8 Models T210K,L,M,N,R only
9 Models T210L,M,N,R only
10 Model T210L only

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Cessna 310, 336, and 337 Series





310, 310P

Description	Part Number	
Cap, Nose, Left	GF0851119-1	1 K
Cap, Nose, Right	GF0851119-2	1 K
Fairing, Stinger (Tailcone)	GF0831372-1	2 K
Tip, Stabilizer, Left or Right	GF0832115-1	2 K

1 Model 310P S/N 310P0001 thru 310P0094 only
2 Model 310 only

336, 337, 337A,B,C,D,E,F,G,H, F337E,F,G,H, FT337E,F, P337H, T337G

Description	Part Number	
Fairing, Strut To Fuslg, LH	33-06-LFS	1 T
	SA-1412251-3	5 S
	SA-1521002-1	6 S
Fairing, Strut To Fuslg, RH	33-06-RFS	1 T
	SA-1412251-4	5 S
	SA-1521002-2	6 S
Fairing, Strut To Wing, LH	33-06-LWS	1 T
	SA-1421001-5	5 S
	SA-1521002-3	6 S
Fairing, Strut To Wing, RH	33-06-RWS	1 T
	SA-1421001-6	5 S
	SA-1521002-4	6 S
Tip, Rudder	GF1431001-8	2 K
	SA-1431001-8	6 S
Tip Vertical Fin, Lower	GF1431001-11	2 K
	SA-1431001-11	6 S
Tip, Vertical Fin, Upper	GF1531003-9	3 K
	SA-1531003-9	6 S
Tip, Vertical Fin, Upper LH	GF1431001-10	4 K
Tip, Wing, LH	SA-1520008-23	6 S
Tip, Wing, RH	SA-1520008-24	6 S

1 337, 337A,B,C,D,E,F only
2 336, 337, 337A,B,C,D,F,G,H, F337E,F,G,H, FT337E,F,P337H,T337G only
3 337G,H, F337G, P337H,T337G only
4 336, 337, F337E,F,G,H, FT337E,F, P337H, T337G only
5 337E,F, T337E,F only
6 337G,H, T337H only

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna 205, 206, 207, 210, 340, 401 and 402 Series



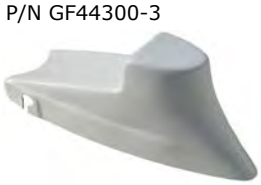
340, 401, 401A,B, 402, 402A,B,C	
Description	**Part Number**
Tip, Stabilizer, Left or Right	GF0832115-1 K

Kits available for 205, 206, 207 and 210 aircraft			
Kit P/N	**Kit Description**	**Part Number**	**Item Description**
20-51-80A	Conical Wing Tip Kit	20-51L-80A	Tip, Wing, LH
		20-51R-80A	Tip, Wing, RH
20-52-80A	Conical Wing Tip Kit	20-52L-80A	Tip, Wing, LH
		20-52R-80A	Tip, Wing, RH
SA-0523565-2930	Wing Tips 1 2	SA-0523565-29	Tip, Wing, Conical, LH
		SA-0523565-30	Tip, Wing, Conical, RH
SA-0723200-56	Wing Tips 1 2	SA-0723200-5	Tip, Wing, LH
		SA-0723200-6	Tip, Wing, RH
SA-1227010-1256	Strut Fairing Kit, Fiberglass	SA-1227010-1	Fairing, Strut to Fuselage, LH
		SA-1227010-2	Fairing, Strut to Fuselage, RH
		SA-1227005-5	Fairing, Strut to Wing, LH
		SA-1227005-6	Fairing, Strut to Wing, RH
SA-1227010-5612	Strut Fairing Kit, Fiberglass	SA-1227010-1	Fairing, Strut to Fuselage, LH
		SA-1227010-2	Fairing, Strut to Fuselage, RH
		SA-1227011-5	Fairing, Strut to Wing, LH
		SA-1227011-6	Fairing, Strut to Wing, RH
SA-1227401-2345	Strut Fairing Kit, Fiberglass For FAA-PMA/STC split Fairings add an "SP" suffix to the kit P/N.	SA-1227401-5	Fairing, Strut to Fuselage, LH
		SA-1227401-4	Fairing, Strut to Fuselage, RH
		SA-1227002-11	Fairing, Strut to Wing, LH
		SA-1227002-10	Fairing, Strut to Wing, RH
SA-1227402-3456	Strut Fairing Kit, Fiberglass For FAA-PMA/STC split Fairings add an "SP" suffix to the kit P/N.	SA-1227402-3	Fairing, Strut to Fuselage, LH
		SA-1227402-4	Fairing, Strut to Fuselage, RH
		SA-1227002-11	Fairing, Strut to Wing, LH
		SA-1227002-10	Fairing, Strut to Wing, RH

1 Add "LL-14V (14 Volt Installation) or LL-28V (28 Volt Installation)" suffix for FAA-PMA/STC wing tips including Quasar LED landing/taxi lights and optimized to accept LED nav/strobe lights. Installation kit including all hardware required for installation of Quasar LED lighted wing tips is included. Kits include shielded wire, all connectors, switches and breaker.
2 Add "LED" suffix for FAA-PMA/STC wing tips optimized to accept LED nav/strobe lights.

Commander 112/114 Series

Vertical Fin Tip
112 S/N 126 thru 499
112B S/N 500 and Up
112TC S/N 13000 thru 13149
112TCA S/N 13150 and Up
114, 114A,B,
114TC S/N 14000-14624
P/N GF44300-3



Tailcone Stinger
114
P/N GF43367-210



Dorsal Fin Tip
112, 114 Series
P/N GF43650-501



Stabilator Tip
112,A,B,TC,TCA
114
P/N GF44324-400
Fits left or right.



Rudder Tip
112 S/N 126 thru 499
112B S/N 500 and Up
112TC S/N 13000 thru 13149
112TCA S/N 13150 and Up
114,A,B
P/N GF44233-11



Wing Tips
112, 112A, 114
P/N GF142242-17 (Left)
P/N GF142242-18 (Right)



112B, 112TC, 112TCA
P/N GF175009-3 (Left)
P/N GF175009-8 (Right)

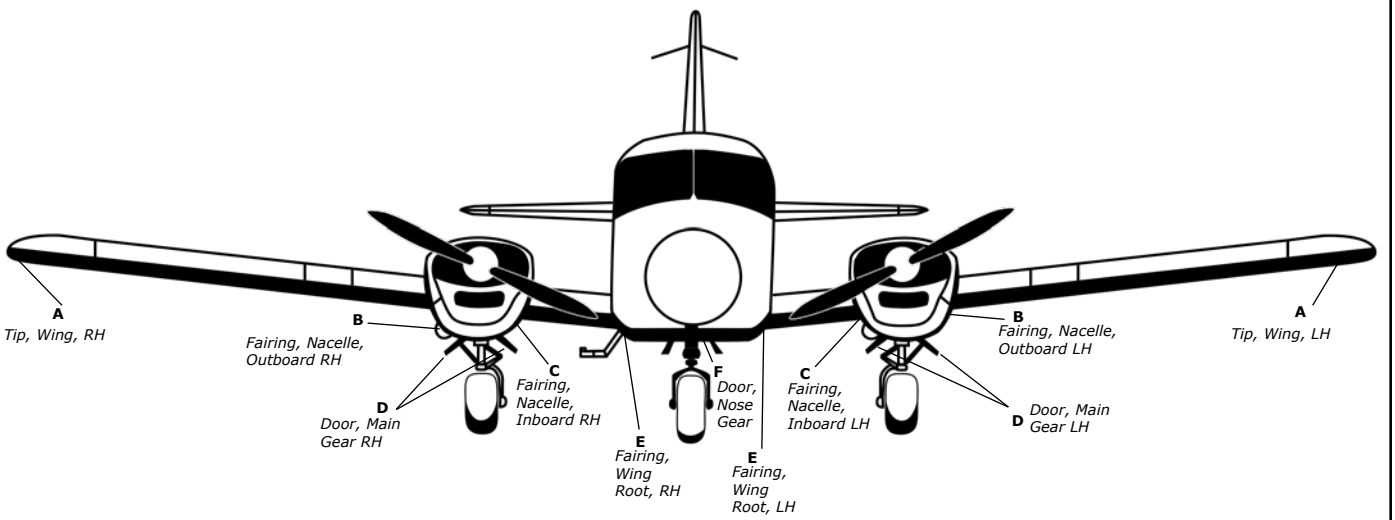


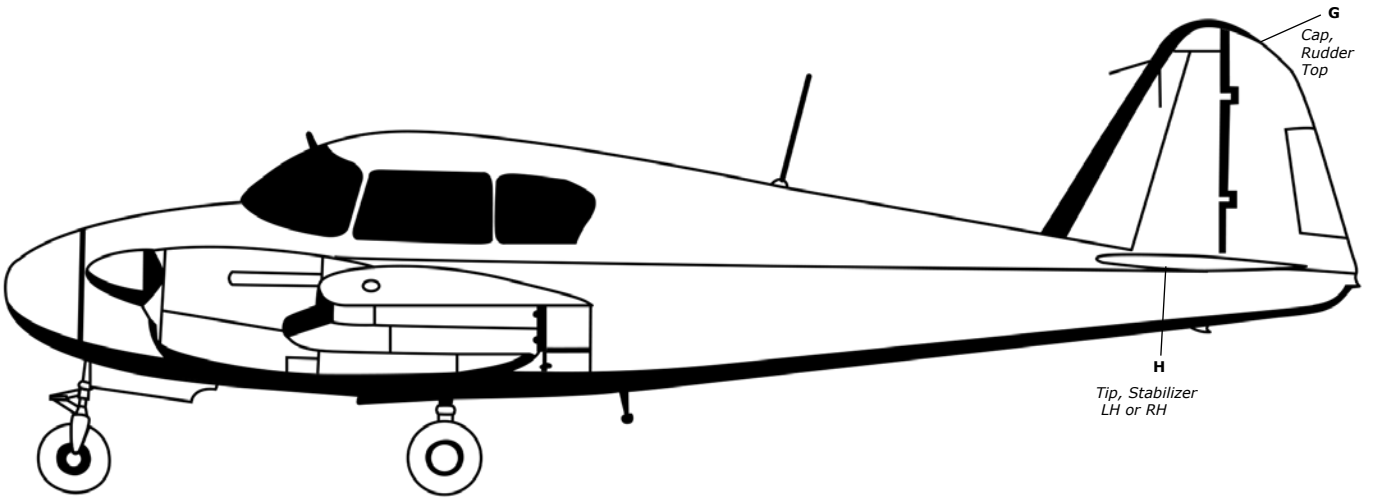


Photo courtesy of Lauren Sobkoviak

Manufacturer/Material: A Aircraft Development/Fiberglass, K Knots 2U/Fiberglass, S Stene Aviation/Fiberglass, T Texas Aeroplastics/ABS Plastic Parts

Piper PA-23, PA-30, PA-39 Series





PA-23-235, PA-23-250			
Description	**Idx**	**Part Number**	
CAP, Rudder Top	G	33448-000K	4 K
		K16792-00	1 K
Door, Main Gear, LH	D	GF31466-00	2 6 K
Door, Main Gear, RH	D	GF31466-01	2 6 K
Door, Nose Gear, LH	F	GF31515-00	2 6 K
Door, Nose Gear, RH	F	GF31515-01	2 6 K
Fairing, Nacelle, Inboard LH	C	GF32466-00	3 K
Fairing, Nacelle, Inboard RH	C	GF32466-01	3 K
Fairing, Nacelle, Outboard LH	B	GF32471-00	3 K
Fairing, Nacelle, Outboard RH	B	GF32471-01	3 K
Fairing, Wing Root, LH	E	GF32464-00	3 K
Fairing, Wing Root, RH	E	GF32464-01	3 K
Tip, Stabilator, Set, RH and LH	H	GF28466-00	K
Tip, Stabilizer, LH or RH	H	GF16109-00	K
Tip, Wing, LH	A	GF34267-00	5 K
Tip, Wing, RH	A	GF34267-01	5 K

1 Models PA-23-235, PA-23-250 S/N 27-1 thru 27-3070 and 27-4445 thru 27-7305134
2 S/N 27-2505 and On
3 S/N 27-3889 and On
4 S/N 27-7305135 and On
5 S/N 27-7654001 thru 27-7954087
6 Only sold in a set containing both LH and RH

PA-30, 39			
Description	**Idx**	**Part Number**	
Cap, Rudder Top	G	GF23595-00	K
Tip, Stabilizer, LH or RH	H	GF25066	2 K
		GF21556-00	1 K

1 Model PA-30 S/N 30-2 thru 30-1744 except 30-1717
2 Model PA-30 S/N 30-1717, 30-1745 and On, PA-39

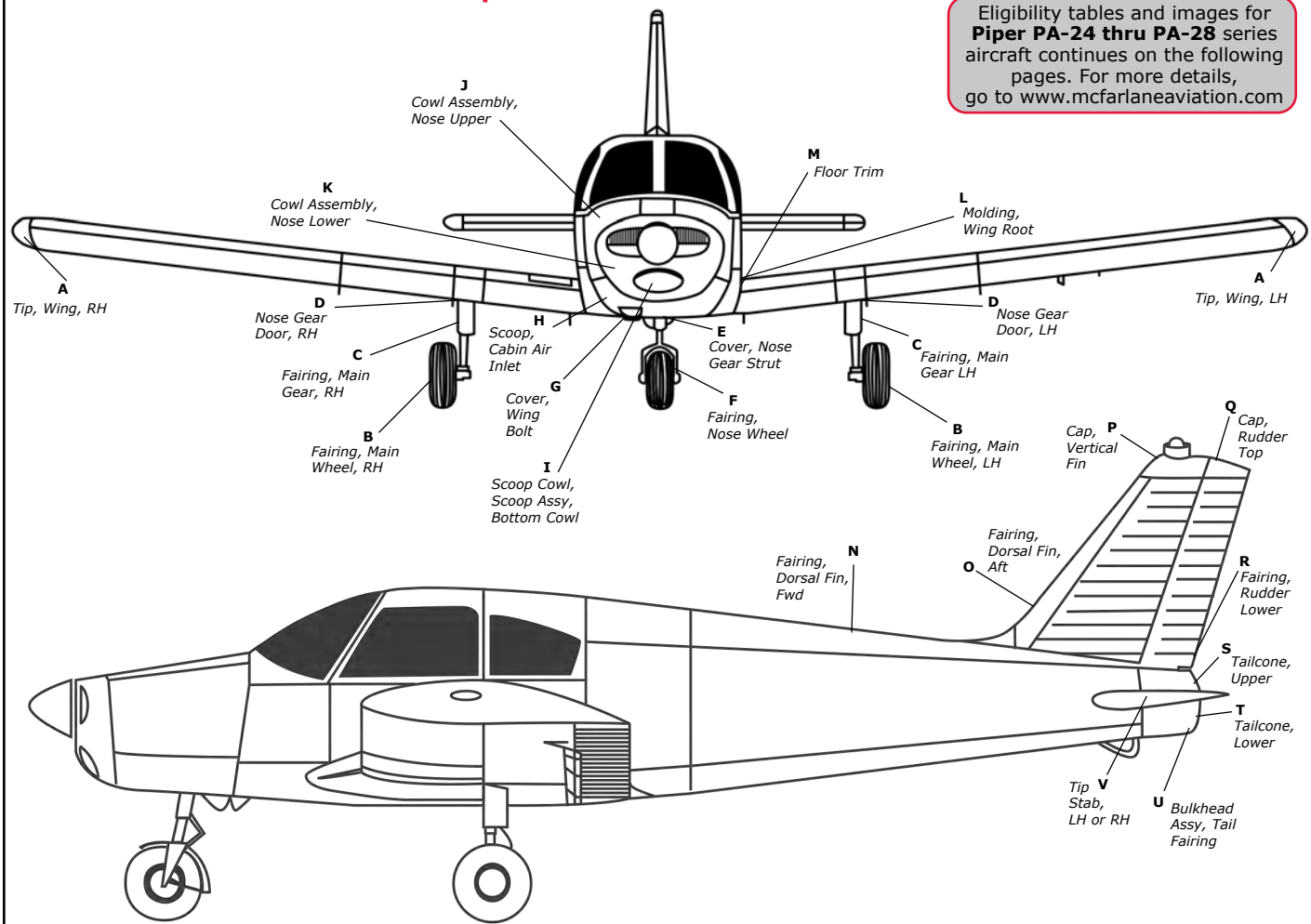
Manufacturer/Material: K Knots 2U/Fiberglass



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Piper PA-24 and PA-28 Series

Eligibility tables and images for **Piper PA-24 thru PA-28** series aircraft continues on the following pages. For more details, go to www.mcfarlaneaviation.com



PA-24, PA-24-250, PA-24-260, PA-24-400			
Description	**Idx**	**Part Number**	
Bulkhead Assy, Tail Fairing	U	GF20804-12	2 K
		GF21605-05	1 K
Cap, Rudder Top, w/o slot	Q	GF21555-00	K
		K23451-00	10 K
		GF24846-00	9 K
Cap, Rudder Top, with slot	Q	GF21555-02	K
Cap, Vertical Fin	P	GF21557-00	K
		GF24896-00	9 K
		SA-21557-00	3 S
Fairing, Fin		SA-20404-00	7 S
Scoop Assy, Bottom Cowl	I	GF21143	5 K
Scoop, Cabin Air Inlet	H	K21933-00	4 K
Scoop, Cowl	I	K21947-00	6 K
Tip, Stabilizer, LH or RH	V	GF16109-00	10 K
		GF21556-00	7 K
		GF28041-00	8 K
		SA-21556-00	7 S
Tip, Wing, Hoerner Style (set)	A	11050-1	K

1 PA-24 S/N 24-1 thru 24-3336 only (except 24-3335) PA-24-250 S/N 24-105 thru 24-2843, PA-24-400 S/N All
2 PA-24 S/N 24-3337 thru 24-3687 only PA-24-250 S/N 24-2844 thru 24-3687, PA-24-260 S/N All
3 Model PA-24, PA-24-250 only
4 Model PA-24 and PA-24-250 S/N 24-1330 and on
5 Model PA-24 only, not for use on PA-24 aircraft with Cowl P/Ns 21950-07/-14, 22858-02, 22857-12, 24895-02/-17, or if carburetor air filter kit 754 285 is installed.
6 Model PA-24 S/N 24-1477 and On, PA-24-250 All, but can only be installed on PA-24-250, S/N 24-103 thru 24-1476 if carburetor air filter kit 754-285 has been installed.
7 Model PA-24, PA-24-250, PA-24-260 only (except 24-3335)
8 Model PA-24-250, PA-24-260 only
9 Model PA-24-260 only
10 Model PA-24-400 only

PA-28-140			
Description	**Idx**	**Part Number**	
Cap, Fin	P	SA-63514-06	S
Cap, Rudder Top	Q	SA-63541-00	S
Cap, Vertical Fin, Rotating Beacon	P	60-27	T
		60-28	5 T
		GF63514-00	2 K
		GF65345-03	5 K
		SA-65345-03	S
Cap, Vertical Fin, Strobe Beacon	P	SA-99035-03	S
Cover, Wing Bolt, LH	G	60-63942-00-80A	T
		GF63942-00	K
Cover, Wing Bolt, RH	G	60-63942-01-80A	T
		GF63942-01	K
Fairing, Dorsal Fin, Aft	O	RD-0095-00	4 K
		SA-99619-00	S
Fairing, Dorsal Fin, Fwd	N	60-19	3 T
		60-24	4 T
		GF63517-00	1 K
		RD-0096-00	4 K
		SA-99621-00	S
Fairing, Fin		SA-63517-00	S
Fairing, Main Gear, LH or RH	C	K63338-00	K
Fairing, Main Wheel LH	B	K65203-00	K
Fairing, Main Wheel RH	B	K65203-01	K
Fairing, Nose Wheel	F	K65331-00	K
Moulding, Wing Root	L	K65773-00	K
Tailcone, Assembly	ST	RD-0099-00	K
Tailcone, Lower	T	60-31	T
		RD-0098-00	K
Tailcone, Upper	S	60-30	T
		RD-0097-00	K
Tip, Stabilator	V	60-23	T
		SA-63584-10	S
Tip, Stabilizer, LH or RH	V	RD-0094-00	K
Tip, Wing, Hoerner Style (set)	A	11051-1	K

Eligibility continues in next column

Continued from previous column

Tip, Wing, LH	A	RD-5010-L	6 K
		SA-62090-00	S
Tip, Wing, RH	A	RD-5010-R	6 K
		SA-62090-01	S
Tip, Wing, LH, 4" Nav Pad Only	A	GF62090-00	K
Tip, Wing, RH, 4" Nav Pad Only	A	GF62090-01	K
Tip, Wing, LH, 6" Nav Pad Std	A	GF78022-00	K
Tip, Wing, RH, 6" Nav Pad Std	A	GF78022-01	K

1 S/N 28-20002 thru 28-7125651 and S/N 28-7225001 and On
2 S/N 28-20002 thru 28-7125651 and S/N 28-7225001 thru 28-7325684
3 S/N 28-20002 thru 28-7225612
4 S/N 28-7225001 and On
5 S/N 28-7425001 and On
6 Kit P/N RMD-005010-PA contains both LH and RH

PA-28-150, PA-28-160			
Description	**Idx**	**Part Number**	
Cap, Fin	P	SA-63514-06	S
Cap, Rudder Top	Q	SA-63541-00	S
Cap, Vertical Fin, Rotating Beacon	P	GF63514-00	K
Cover, Wing Bolt, LH	G	60-63942-00-80A	T
		GF63942-00	K
Cover, Wing Bolt, RH	G	60-63942-01-80A	T
		GF63942-01	K
Fairing, Dorsal Fin, Fwd	N	60-19	T
		GF63517-00	K
		SA-63517-00	S
Fairing, Main Gear, LH or RH	C	K63338-00	K
Fairing, Main Wheel LH	B	K65203-00	K
Fairing, Main Wheel RH	B	K65203-01	K
Fairing, Nose Wheel	F	K65331-00	K
Moulding, Wing Root	L	K65773-00	K
Tailcone, Assembly	ST	RD-0099-00	K
Tailcone, Lower	T	RD-0098-00	K

Eligibility continues on next page

Manufacturer/Material: K Knots 2U/Fiberglass, S Stene Aviation, T Texas Aeroplastics/ABS Plastic Parts

Piper PA-24 and PA-28 Series continued from previous page

Continued from previous page

Description	Idx	Part Number
Tailcone, Upper	S	RD-0097-00 K
Tip, Stabilator	V	60-23 T
		SA-63584-10 S
Tip, Stabilizer, LH or RH	V	RD-0094-00 K
Tip, Wing, Hoerner Style (set)	A	11051-1 K
Tip, Wing, LH	A	RD-5010-L 6 K
		SA-62090-00 S
Tip, Wing, RH	A	RD-5010-R 6 K
		SA-62090-01 S
Tip, Wing, LH, 4" Nav Pad Only	A	GF62090-00 K
Tip, Wing, RH, 4" Nav Pad Only	A	GF62090-01 K
Tip, Wing, LH, 6" Nav Pad Std	A	GF78022-00 K
Tip, Wing, RH, 6" Nav Pad Std	A	GF78022-01 K

1 Kit P/N RMD-005010-PA contains both LH and RH

PA-28-151, PA-28-161

Description	Idx	Part Number
Cap, Vertical Fin, Rot. Beacon	P	60-28 T
		GF65345-03 K
		SA-65345-03 S
Cap, Vertical Fin, Strobe Beacon	P	SA-99035-03 S
Cover, Nose Gear Strut, Aft	E	GF35838-10 W/Door 1 K
		GF35838-10 (No Door) 1 K
Cover, Nose Gear Fairing, Aft	E	GF36568-03 2 K
Cover, Nose Gear Fairing, Fwd	E	GF36568-02 2 K
Cover, Nose Gear Strut Fairing Aft	E	GF37893-07 3 K
		GF37928-04 4 K
Cover, Nose Gear Strut Fairing, Fwd	E	GF37893-06 3 K
		GF37928-03 4 K
Cover, Wing Bolt, LH	G	60-63942-00-80A T
		GF63942-00 1 K
Cover, Wing Bolt, RH	G	60-63942-01-80A T
		GF63942-01 1 K
Cowl Assy, Nose Upper	J	K35699-02 4 K
Cowl Assy, Nose Lower	K	K35699-03 4 K
Fairing, Dorsal Fin, Aft	O	RD-0095-00 K
		SA-99619-00 S
Fairing, Dorsal Fin, Fwd	N	RD-0096-00 K
		SA-99621-00 S
Fairing, Main Gear, LH or RH	C	K63338-00 K
Fairing, Main Wheel LH	B	K65203-00 5 K
Fairing, Main Wheel RH	B	K65203-01 5 K
Fairing, Main Wheel Access Panel, LH	B	GF79890-02 1 K
Fairing, Main Wheel Access Panel, RH	B	GF79890-03 1 K
Fairing, Main Wheel Shell, LH	B	GF79890-00 1 K
Fairing, Main Wheel Shell, RH	B	GF79890-01 1 K
Fairing, Main Wheel, Fwd Up LH	B	GF79892-04 1 K
Fairing, Main Wheel, Fwd Up RH	B	GF79892-05 1 K
Fairing, Main Wheel, Aft Up RH	B	GF79892-09 1 K
Fairing, Main Wheel, Aft Up LH	B	GF79892-10 1 K
Fairing, Nose Wheel	F	K35512-00 6 K
Moulding, Wing Root	L	K65773-00 K
Tailcone, Assembly	ST	RD-0099-00 K
Tailcone, Lower	T	RD-0098-00 K
Tailcone, Upper	S	RD-0097-00 K
Tip, Stabilizer, LH or RH	V	60-23 T
		RD-0094-00 K
		SA-63584-10 S
Tip, Wing, LH	A	60-33L-4-80A T
		60-33L-6-80A T
		GF35115-00 K
		RD-6010-L 7 K
Tip, Wing, RH	A	60-33R-4-80A T
		60-33R-6-80A T
		GF35115-01 K
		RD-6010-R 7 K
Tip, Wing, LH, 4" Nav Pad Std	A	SA-35115-00 S
Tip, Wing, LH, 6" Nav Pad Std	A	SA-35115-10 S
Tip, Wing, RH, 4" Nav Pad Std	A	SA-35115-01 S
Tip, Wing, RH, 6" Nav Pad Std	A	SA-35115-11 S

1 Model PA-28-161 only
2 Model PA-28-151 and PA-28-161 S/N 28-7816001 thru 28-8616057 only
3 PA-28-151 S/N 28-7415001 thru 28-7415713, 28-7515459, 28-7615445, 28-7715314, PA-28-161 S/N 28-7716001 thru 28-7716323, 28-7816695, 28-7916617, 28-8416131, 28-8516099, 28-8616057 only
4 PA-28-161 S/N 28-7816001 thru 28-8616057
5 Model PA-28-151 and PA-28-161 S/N 28-7716001 thru 28-7715323 only
6 Models PA-28-151 and PA-28-161 S/N 28-7716001 thru 28-7716323 only
7 Kit P/N RMD-006010-PA contains both LH and RH

PA-28-180

Description	Idx	Part Number
Cap, Fin	P	SA-63514-06 S
Cap, Rudder Top	Q	SA-63541-00 S
Cap, Vertical Fin, Rotating Beacon	P	60-27 T
		60-28 6 T
		GF63514-00 1 K
		GF65345-03 6 K
		SA-65345-03 S
Cap, Vertical Fin, Strobe Beacon	P	SA-99035-03 S
Cover, Wing Bolt, LH	G	60-63942-00-80A T
		GF63942-00 K
Cover, Wing Bolt, RH	G	60-63942-01-80A T
		GF63942-01 K
Fairing, Fin		SA-63517-00 S
Fairing, Dorsal Fin, Aft	O	RD-0095-00 4 K
		SA-99619-00 S
Fairing, Dorsal Fin, Fwd	N	60-19 1 T
		60-24 3 T
		RD-0096-00 4 K
		SA-99621-00 S
Fairing, Main Gear, LH or RH	C	K63338-00 K
Fairing, Main Wheel LH	B	K65203-00 K
Fairing, Main Wheel RH	B	K65203-01 K
Fairing, Nose Wheel	F	K65331-00 K
Moulding, Wing Root	L	K65773-00 K
Tailcone, Assembly	ST	RD-0099-00 K
Tailcone, Lower	T	60-31 T
		RD-0098-00 K
Tailcone, Upper	S	60-30 T
		RD-0097-00 K
Tip, Stabilator LH or RH	V	60-23 T
		RD-0094-00 K
		SA-63584-10 S
Tip, Wing, Hoerner Style (set)	A	11051-1 K
Tip, Wing, LH	A	RD-5010-L 7 K
		SA-62090-00 S
Tip, Wing, LH, 4" Nav Pad Only	A	GF62090-00 2 K
Tip, Wing, LH, 4" Nav Pad Std	A	GF78022-00 5 K
Tip, Wing, LH, 6" Nav Pad Std	A	GF78022-02 5 K
Tip, Wing, RH	A	RD-5010-R 7 K
Tip, Wing, RH, 4" Nav Pad Only	A	GF62090-01 2 K
		SA-62090-01 S
Tip, Wing, RH, 4" Nav Pad Std	A	GF78022-01 5 K
Tip, Wing, RH, 6" Nav Pad Std	A	GF78022-03 5 K

1 S/N 28-671 thru 28-7105244
2 S/N 28-671 thru 28-7205328
3 S/N 28-3978 thru 28-7505260
4 S/N 28-7205001 thru 28-7505260
5 S/N 28-7335001 thru 28-7505260
6 S/N 28-7405001 and On
7 Kit P/N RMD-005010-PA contains both LH and RH

PA-28R-180

Description	Idx	Part Number
Cap, Vertical Fin, Rotating Beacon	P	60-27 T
		60-28 T
		GF65345-03 K
Cover, Wing Bolt, LH	G	60-63942-00-80A T
		GF63942-00 K
Cover, Wing Bolt, RH	G	60-63942-01-80A T
		GF63942-01 K
Door, Nose Gear, LH	D	GF67352-00 K
Door, Nose Gear, RH	D	GF67352-01 K
Fairing, Dorsal Fin, Fwd	N	60-19 1 T
		GF63517-00 2 K
		SA-63517-00 S
Moulding, Wing Root	L	K65773-00 K
Tailcone, Assembly	ST	RD-0099-00 K
Tailcone, Lower	T	60-31 T
		RD-0098-00 K
Tailcone, Upper	T	60-30 T
		RD-0097-00 K
Tip, Stabilator, Ext. LH or RH	V	K2U65300-00 2 K
Tip, Wing, Hoerner Style (set)	A	11051-1 K
Tip, Wing, LH	A	RD-5010-L 3 K
Tip, Wing, LH, 4" Nav Pad Only	A	GF62090-00 K
		SA-62090-00 S
Tip, Wing, LH, 4" Nav Pad Std	A	GF78022-00 K
		SA-78022-00 S
Tip, Wing, LH, 6" Nav Pad Std	A	GF78022-02 K
Tip, Wing, RH	A	RD-5010-R 3 K

Eligibility continues in next column

Continued from previous column

Description	Idx	Part Number
Tip, Wing, RH, 4" Nav Pad Only	A	GF62090-01 K
		SA-62090-01 S
Tip, Wing, RH, 4" Nav Pad Std	A	GF78022-01 K
		SA-78022-01 S
Tip, Wing, RH, 6" Nav Pad Std	A	GF78022-03 K

1 S/N 28R-30005 thru 28R-7120019
2 S/N 28R-30005 and On
3 Kit P/N RMD-005010-PA contains both LH and RH

PA-28-181

Description	Idx	Part Number
Cap, Fin	P	SA-63514-06 S
Cap, Vertical Fin, Rotating Beacon	P	60-28 T
		GF65345-03 4 K
		SA-65345-03 S
Cap, Vertical Fin, Strobe Beacon	P	SA-99035-03 S
Cover, Nose Gear Fairing, Aft	E	GF36559-803 K
		GF37925-06 K
		GF37926-04 K
Cover, Nose Gear Fairing,Fwd	E	K36559-806 6 K
		GF37925-07 K
		GF37926-03 K
Cover, Wing Bolt, LH	G	60-63942-00-80A T
		GF63942-00 K
Cover, Wing Bolt, RH	G	60-63942-01-80A T
		GF63942-01 K
Fairing, Dorsal Fin, Aft	O	RD-0095-00 K
		SA-99619-00
Fairing, Dorsal Fin, Fwd	N	60-24 T
		RD-0096-00 K
		SA-99621-00
Fairing, Main Gear, LH or RH	C	K63338-00 K
Fairing, Main Wheel LH	B	K65203-00 3 K
Fairing, Main Wheel RH	B	K65203-01 3 K
Fairing, Main Wheel Access Panel, LH	B	GF79890-02 7 K
Fairing, Main Wheel Access Panel, RH	B	GF79890-03 7 K
Fairing, Main Wheel Shell, LH	B	GF79890-00 7 K
Fairing, Main Wheel Shell, RH	B	GF79890-01 7 K
Fairing, Main Whl, Up, Fwd, LH	B	GF79892-04 7 K
Fairing, Main Whl, Up, Fwd, RH	B	GF79892-05 7 K
Fairing, Main Whl, Up, Aft, RH	B	GF79892-09 7 K
Fairing, Main Whl, Up, Aft, LH	B	GF79892-10 7 K
Fairing, Nose Wheel 6.00 X 6 w/o Door	F	GF35944-014 8 K
Fairing, Nose Wheel 6.00 X 6 w/Door	F	GF35944-15 5 K
Moulding, Wing Root	L	K65773-00 K
Tailcone, Assembly	ST	RD-0099-00 K
Tailcone, Lower	T	60-31 T
		RD-0098-00 K
Tailcone, Upper	T	60-30 1 T
		RD-0097-00 K
Tip, Stabilator LH or RH	V	60-23 T
		RD-0094-00 K
		SA-63584-10 S
Tip, Wing, Left	A	60-33L-4-80A T
		60-33L-6-80A T
		GF35115-00 K
		RD-6010-L 9 K
Tip, Wing, LH, 4" Nav Pad	A	GF62090-00 2 K
Tip, Wing, LH, 4" Nav Pad Std	A	GF78022-00 2 K
		SA-35115-00 S
Tip, Wing, LH, 6" Nav Pad Std	A	GF78022-02 2 K
		SA-35115-10 S
Tip, Wing, RH	A	60-33R-4-80A T
		60-33R-6-80A T
		GF35115-01 K
		RD-6010-R 9 K
Tip, Wing, RH, 4" Nav Pad	A	GF62090-01 2 K
Tip, Wing, RH, 4" Nav Pad Std	A	GF78022-01 2 K
		SA-35115-01 S
Tip, Wing, RH, 6" Nav Pad Std	A	GF78022-03 2 K
		SA-35115-11 S

1 S/N 2843001 thru 2890231 only
2 S/N 28-7690001 thru 28-7790000
3 S/N 28-7690001 thru 28-7790607
4 S/N 28-7690001 thru 28-8690062
5 S/N 28-7790001and On
6 S/N 28-7890001 and On
7 S/N 28-7890001 thru 28-7921095 only
8 S/N 28-7890001 thru 28-8690062 only
9 Kit P/N RMD-006010-PA contains both LH and RH

Manufacturer/Material: K Knots 2U/Fiberglass, S Stene Aviation, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Piper PA-24 and PA-28 Series
continued from previous page

PA-28R-200, PA-28-201T, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T

Description	Idx	Part Number
Cap, Fin	P	SA-38222-00 18 S
Cap, Vertical Fin, Rotating Beacon	P	60-27 1 T
		60-28 2 T
		GF65345-03 2 K
		SA-65345-003 2 S
Cap, Vertical Fin, Strobe Beacon	P	SA-99035-03 2 S
Cover, Nose Gear Fairing, Aft	E	GF35832-07 11 K
Cover, Wing Bolt, LH	G	60-63942-00-80A 3 T
		GF63942-00 3 K
Cover, Wing Bolt, RH	G	60-63942-01-80A 3 T
		GF63942-01 3 K
Door, Nose Gear, LH	D	GF67352-00 4 K
Door, Nose Gear, RH	D	GF67352-01 4 K
Fairing, Dorsal Fin, Aft	O	RD-0095-00 10 K
		K78913-07 12 K
		SA-99619-00 2 S
Fairing, Dorsal Fin, Fwd	N	60-19 5 T
		60-24 9 T
		RD-0096-00 10 K
		GF78913-00 12 K
		GF63517-00 5 K
		K65773-00 K
		SA-63517-00 1 S
		SA-99621-00 2 S
Fairing, Main Gear, LH or RH	C	K63338-00 11 K
Fairing, Main Wheel Access Panel, LH	B	GF79890-02 11 K
Fairing, Main Wheel Access Panel, RH	B	GF79890-03 11 K
Fairing, Main Wheel Shell, LH	B	GF79890-00 11 K
Fairing, Main Wheel Shell, RH	B	GF79890-01 11 K
Fairing, Main Wheel, Up, Fwd LH	B	GF79892-04 11 K
Fairing, Main Wheel, Up Fwd RH	B	GF79892-05 11 K
Fairing, Main Wheel, Up, Aft LH	B	GF79892-10 11 K
Fairing, Main Wheel, Up, Aft RH	B	GF79892-09 11 K
Fairing, Nose Gear Strut, Fwd	F	GF35832-06 11 K
Fairing, Rudder, Lower, No Position Light	R	GF35885-10 8 K
Fairing, Rudder, Lower, w/ Light Receptacle	R	GF35885-03 8 K
Tailcone, Assembly	ST	RD-0099-00 2 K
Tailcone, Lower	T	60-31 1 T
		RD-0098-00 2 K
Tailcone, Upper	S	60-30 1 T
		RD-0097-00 2 K
Tip, Stabilator LH or RH	V	60-23 10 T
		RD-0094-00 8 K
		SA-63584-10 2 S
Tip, Stabilator LH or RH, Ext.	V	K2U65300-00 7 K
Tip, Wing, LH	A	60-33L-4-80A 14 T
		60-33L-6-80A 14 T
		GF35115-00 15 K
		RD-5010-L 1 16 K
		RD-6010-L 14 17 K
		SA-62090-00 1 S
		SA-78022-00 1 S
Tip, Wing, RH	A	60-33R-4-80A 14 T
		60-33R-6-80A 14 T
		GF35115-01 15 K
		RD-5010-R 1 16 K
		RD-6010-R 14 17 K
		SA-62090-01 1 S
		SA-78022-01 1 S
Tip, Wing, Hoerner Style (set)	A	11051-1 1 K
Tip, Wing, LH, 4" Nav Pad Only	A	GF62090-00 6 K
		SA-35115-00 12 S
		SA-36739-52 18 S
Tip, Wing, RH, 4" Nav Pad Only	A	GF62090-01 6 K
		SA-35115-01 12 S
		SA-36739-54 18 S
Tip, Wing, LH, 6" Nav Pad Only	A	SA-35115-10 12 S
		SA-36739-53 18 S
Tip, Wing, RH, 6" Nav Pad Only	A	SA-35115-11 12 S
		SA-36739-55 18 S

Eligibility continues in next column

Continued from previous column

1 Model PA-28R-200 only
2 Models PA-28R-200, PA-28R-201, PA-28R-201T only
3 Models PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201 and PA-28RT-201T only
4 Models PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201 only
5 Model PA-28R-200 S/N 28R-35001 thru 28R-7135238
6 Model PA-28R-200 S/N 28R-35001 thru 28R-7235000
7 Model PA-28R-200 S/N 28R-35001 thru 28R-7135238 and Models PA-28-201T, PA-28R-201T
8 Model PA-28R-200 S/N 28R-7135239 thru 28R-7635545 and Models PA-28-201T, PA-28R-201, PA-28R-201T
9 Model PA-28R-200 S/N 28R-7235001 thru 28R-7635545 and Models PA-28R-201, PA-28R-201T
10 Model PA-28R-200 S/N 28R-7235001 thru 28R-7635545 and Models PA-28-201T, PA-28R-201, PA-28R-201T
11 PA-28-201T only
12 PA-28RT-201 and PA-28RT-201T only
13 PA-28RT-201 S/N 28R-7918001 thru 28R-8118092 and PA-28RT-201T S/N 28R-7931001 thru 28R-8131229
14 Models PA-28R-201 and PA-28R-201T, PA-28RT-201, PA-28RT-201T only
15 Models PA-28-201T, PA-28R-201 and PA-28R-201T, PA-28RT-201, PA-28RT-201T only
16 Kit P/N RMD-005010-PA contains both LH and RH
17 Kit P/N RMD-006010-PA contains both LH and RH
18 Models PA-28R-201 and PA-28R-201T

PA-28-235, PA-28-236

Description	Idx	Part Number
Cap, Vertical Fin, Rotating Beacon	P	60-27 5 T
		60-28 5 T
		GF65345-03 K
		SA-65345-03 S
Cap, Vertical Fin, Strobe Beacon	P	SA-99035-03 S
Cover, Nose Gear Fairing, Aft	E	GF35946-02 10 K
		GF37926-04 10 K
Cover, Nose Gear Fairing, Fwd	E	GF37926-03 10 K
Cover, Wing Bolt, LH	G	60-63942-00-80A 5 T
		GF63942-00 6 K
Cover, Wing Bolt, RH	G	60-63942-01-80A 5 T
		GF63942-01 6 K
Fairing, Dorsal Fin, Aft	O	RD-0095-00 7 K
		SA-99619-00 S
Fairing, Dorsal Fin, Fwd	N	60-24 7 T
		RD-0096-00 7 K
		SA-99621-00 S
Fairing, Main Wheel LH	B	K65203-00 1 K
Fairing, Main Wheel RH	B	K65203-01 1 K
Fairing, Main Wheel Access Panel, LH	B	GF79890-02 10 K
Fairing, Main Wheel Access Panel, RH	B	GF79890-03 10 K
Fairing, Main Wheel Shell, LH	B	GF79890-00 10 K
Fairing, Main Wheel Shell, RH	B	GF79890-01 10 K
Fairing, Main Wheel, Up, Fwd LH	B	GF79892-04 10 K
Fairing, Main Wheel, Up, Fwd RH	B	GF79892-05 10 K
Fairing, Main Wheel, Up, Aft RH	B	GF79892-09 10 K
Fairing, Main Wheel, Up, Aft LH	B	GF79892-10 10 K
Fairing, Main Gear, LH or RH	C	K63338-00 K
Fairing, Nose Wheel 6.00 X 6 w/o Door	F	GF35944-014 10 K
Fairing, Nose Wheel	F	K65331-00 2 K
Fairing, Nose Gear Strut, Fwd	F	GF35931-06 12 K
Fairing, Nose Gear Strut, Aft	F	GF35931-07 12 K
Floor Trim	M	60-18 3 K
Molding, Wing Root	L	K65773-00 K
Tailcone, Assembly	ST	RD-0099-00 6 K
Tailcone, Lower	T	60-31 6 T
		RD-0098-00 6 K
Tailcone, Upper	S	60-30 6 T
		RD-0097-00 6 K
Tip, Stabilator LH or RH	V	60-23 9 T
		RD-0094-00 8 K
		SA-63584-10 S
Tip, Stabilator LH or RH, Ext.	V	K2U65300-00 4 K
Tip, Wing, LH	A	60-33L-4-80A 10 T
		60-33L-6-80A 10 T
		GF35115-00 11 K
		RD-5010-L 1 13 K
		RD-6010-L 10 14 K
Tip, Wing, RH	A	60-33R-4-80A 10 T
		60-33R-6-80A 10 T
		GF35115-01 11 K
		RD-5010-R 1 13 K
		RD-6010-R 10 14 K

Eligibility continues in next column

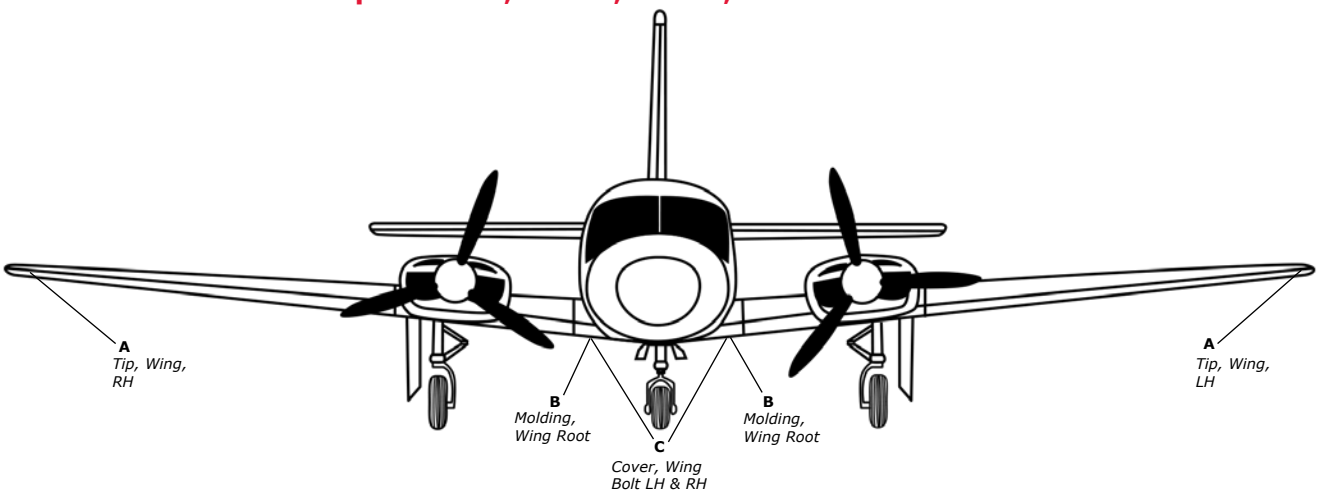
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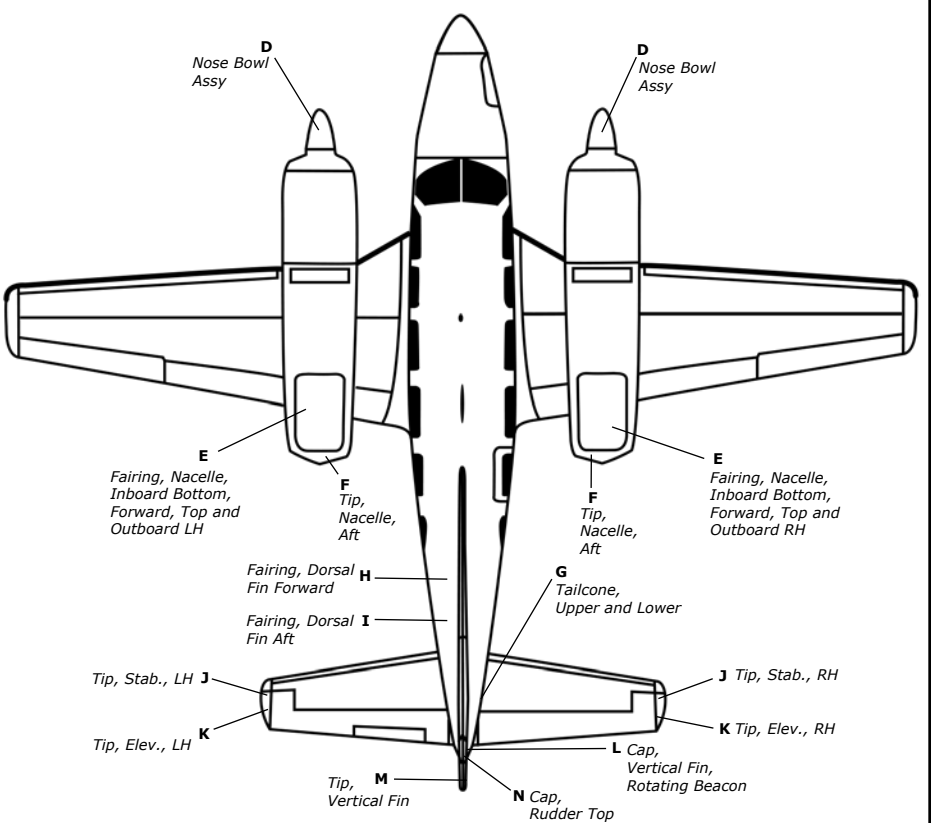
Description	Idx	Part Number
Tip, Wing, LH, 4" Nav Pad Only	A	SA-35115-00 10 S
Tip, Wing, RH, 4" Nav Pad Only	A	SA-35115-01 10 S
Tip, Wing, LH, 6" Nav Pad Only	A	SA-35115-10 10 S
Tip, Wing, RH, 6" Nav Pad Only	A	SA-35115-11 10 S

1 Model PA-28-235 only
2 Model PA-28-235 S/N 28-10001 thru 28-7310187
3 Model PA-28-235 S/N 28-10003 thru 28-10719
4 Model PA-28-235 S/N 28-10003 thru 28-7210033
5 Model PA-28-235 S/N 28-10003 thru 28-7710089
6 Model PA-28-235 S/N 28-10003 thru 28-7710089 and Model PA-28-236
7 Model PA-28-235 S/N 28-7210001 thru 28-7710089 and Model PA-28-236
8 Model PA-28-235 S/N 28-7210034 thru 28-7710089 and Model PA-28-236
9 Model PA-28-235 S/N 28-7310001 thru 28-7710089 and Model PA-28-236
10 Model PA-28-236 only
11 Model PA-28-236 S/N 28-7911001 thru 28-8611008
12 Model PA-28-236 S/N 28-8111081 thru 28-8611008
13 Kit P/N RMD-005010-PA contains both LH and RH
14 Kit P/N RMD-006010-PA contains both LH and RH

Manufacturer/Material: K Knots 2U/Fiberglass, S Stene Aviation, T Texas Aeroplastics/ABS Plastic Parts

Piper PA-31, PA-34, PA-44, and PA-60 Series





PA-31, PA-31-300, PA-31-325, PA-31-350, PA-31P, PA31P-350, PA-31T, PA-31T1, PA-31T2, PA-31T3			
Description	**Idx**	**Part Number**	
Fairing, Nacelle, Inbrd Btm, LH	E	GF42455-04	K
Fairing, Nacelle, Inbrd Btm, RH	E	GF42455-05	K
Fairing, Nacelle, Inbrd Fwd, LH	E	GF42455-02	K
Fairing, Nacelle, Inbrd Fwd, RH	E	GF42455-03	K
Fairing, Nacelle, Inbrd Top, LH	E	GF42455-00	K
Fairing, Nacelle, Inbrd Top, RH	E	GF42455-01	K
Fairing, Nacelle, Outboard, LH	E	GF42426-00	K
Fairing, Nacelle, Outboard, RH	E	GF42426-01	K
Tip, Elevator, Leading Edge	K	GF43786-00	1 K
Tip, Elevator, LH	K	GF43741-00	1 K
Tip, Elevator, RH	K	GF43741-01	1 K
Tip, Stabilizer, LH or RH	J	GF40364-02	1 K
Tip, Vertical Fin	M	GF44943-00	2 K
Tip, Wing, Lens LH	A	GF42027-04	5 K
Tip, Wing, Lens RH	A	GF42027-05	5 K
Tip, Wing, LH, with Reco Light	A	GF55802-12	3 K
Tip, Wing, RH, with Reco Light	A	GF55802-13	3 K

1 Models PA-31, PA-31-300, PA-31-325 and PA-31-350 S/N 31-5 and On
2 Model PA-31-350 S/N 31-7305053 and On, Model PA-31P-350 S/N 31P-8414001 and On
3 Model PA-31-350 S/N 31-7852001 and On
4 Models PA-31-300, PA-31-325, PA-31-350
5 Models PA-31, PA-31-300, PA-31-325 S/N 31-5 thru 31-7300961, PA-31-350 S/N 31-5001 thru 73605052, PA-31P S/N 31P-3 thru 31P-7300146

PA-34-200, PA-34-200T, PA-34-220T			
Description	**Idx**	**Part Number**	
Cap, Rudder Top	N	GF95907-00	1 K
Cover, Wing Bolt, LH	C	60-63942-00-80A	T
		GF63942-00	K
Cover, Wing Bolt, RH	C	60-63942-01-80A	T
		GF63942-01	K
Fairing, Tailcone, Lower	G	GF96338-08	K
Fairing, Tailcone, Upper	G	GF96338-04	K
Moulding, Wing Root	B	K65773-00	K
Nose Bowl Assembly	D	GF67998	2 K
Tip, Horizontal Stab., LH or RH	J	GF95620-07	K
Tip, Wing, LH	A	RD-5010-L	4 K
Tip, Wing, RH	A	RD-5010-R	4 K
Tip, Wing, LH, 4" Nav Pad Only	A	GF62090-00	3 K
Tip, Wing, RH, 4" Nav Pad Only	A	GF62090-01	3 K
Tip, Wing, LH, 4" Nav Pad Std	A	GF78022-00	K
Tip, Wing, RH, 4" Nav Pad Std	A	GF78022-01	K
Tip, Wing, LH, 6" Nav Pad Std	A	GF78022-02	K
Tip, Wing, RH, 6" Nav Pad Std	A	GF78022-03	K

1 Models PA-34-200, PA-34-200T
2 Models PA-34-200, PA-34-200T and PA-34-220T, S/N 3448038 and On
3 Models PA-34-200 S/N 34-7250001 thru 32-7250370, PA-34-200T, PA-34-220T
4 Sold in pairs only, Kit P/N RMD-005010-PA

PA-44-180, PA-44-180T			
Description	**Idx**	**Part Number**	
Cover, Wing Bolt, LH	C	60-63942-00-80A	1 T
		GF63942-00	K
Cover, Wing Bolt, RH	C	60-63942-01-80A	1 T
		GF63942-01	K
Fairing, Dorsal Fin, Aft	I	K78913-07	K
Fairing, Dorsal Fin, Fwd	H	GF78913-00	K
Fairing, Tailcone, w/o receptacle	G	K36721-003	K
Fairing, Tailcone, w/ receptacle	G	K86597-02	2 K
Moulding, Wing Root	B	K65773-00	K
Tip, Nacelle, Aft	F	GF86298-02	K
Tip, Stabilizer, LH or RH	J	RD-0094-00	K

1 Model PA-44-180
2 Model PA-44-180T

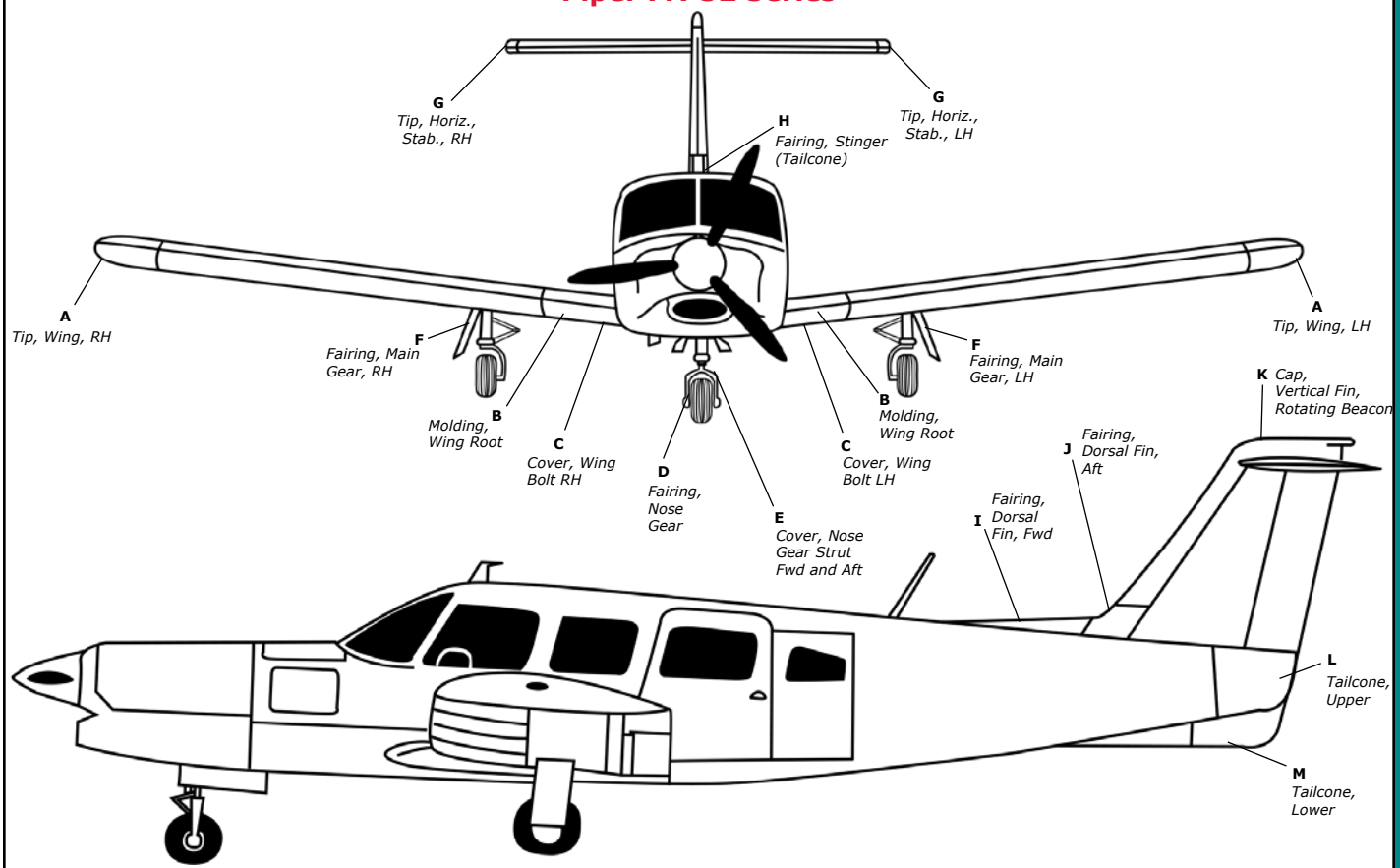
PA-60-600, PA-60-601, PA-60-601P, PA-60-602P, PA60-700P			
Description	**Idx**	**Part Number**	
Tip, Horizontal, LH or RH	K	GF220021-903	K
Tip, Vertical, w/o Beacon	M	GF220021-505	1 K
Tip, Vertical, with Beacon	M	GF220021-913	1 K
Tip Long, Wing Short, LH	A	GF200038-901	3 K
Tip Long, Wing Short, RH	A	GF200038-902	3 K
Tip Short, Wing Long, LH	A	GF200102-901	2 K
Tip Short, Wing Long, RH	A	GF200102-902	2 K

1 Models PA-60-600, PA-60-601, PA-60-601P, PA-60-602P
2 Models PA-60-601, PA-60-601P, PA-60-602P, PA-60-700P
3 Models PA-60-601 S/N 0341 and On, PA-60-601P, S/N 0213 and On

Manufacturer/Material: K Knots 2U/Fiberglass, S Stene Aviation, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Piper PA-32 Series



PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32-301FT, PA-32-301XTC, PA-32R-300, PA-32R-301, PA-32R-301T, PA-32RT-300, PA-32RT-300T, PA-32S-300

Description	Idx	Part Number	
Cap, Fin	K	SA-38222-00	26 S
Cap, Vertical Fin, Rotating Beacon	K	GF65345-03	16 K
		SA-65345-03	S
Cap, Vertical Fin, Strobe Beacon	K	SA-99035-03	S
Cover, Nose Gear Strut, Aft	E	GF35838-10	18 K
		GF36559-803	4 23 K
		GF37891-807	11 K
		GF37926-04	1 K
		GF38700-02	19 K
Cover, Nose Gear Strut, Fwd	E	GF36559-804	4 K
		GF37891-806	11 K
		GF37926-03	1 K
		GF38682-02	14 24 K
		GF38700-04	19 K
Cover, Wing Bolt, LH	C	60-63942-00-80A	7 T
		GF63942-00	25 K
Cover, Wing Bolt, RH	C	60-63942-01-80A	7 T
		GF63942-01	25 K
Fairing, Fin		SA-63517-00	1 S
Fairing, Dorsal Fin, Aft	J	K78913-07	22 K
		RD-0095-00	13 K
		SA-99619-00	S
Fairing, Dorsal Fin, Fwd	I	60-19	8 T
		60-24	9 T
		GF63517-00	15 K
		GF78913-00	22 K
		RD-0096-00	13 K
		SA-99621-00	S
Fairing, Main Gear, LH or RH	F	K63338-00	1 K
Fairing, Main Gear LH	F	K65203-00	6 K
Fairing, Main Gear RH	F	K65203-01	6 K
Fairing, Main Gear Access Panel, LH	F	GF79890-02	12 K
Fairing, Main Gear Access Panel, RH	F	GF79890-03	12 K

Continued on next column

Description	Idx	Part Number	
Fairing, Main Gear Shell, LH	F	GF79890-00	12 K
Fairing, Main Gear Shell, RH	F	GF79890-01	12 K
Fairing, Main Gear, Up., Fwd, LH	F	GF79892-04	12 K
Fairing, Main Gear, Up., Fwd, RH	F	GF79892-05	12 K
Fairing, Main Gear, Up., Aft, RH	F	GF79892-09	12 K
Fairing, Main Gear, Up., Aft. LH	F	GF79892-10	12 K
Fairing, Nose Gear	D	K65331-00	9 K
Fairing, Nose Gear, 6.00 X 6 w/o Door	D	GF35944-014	21 K
Fairing, Nose Gear, 6.00 X 6 w/Door	D	GF35944-14	10 K
Fairing, Stinger (Tailcone)	H	K78912-11	22 K
Fairing, Tailcone, Upper	L	60-30	3 T
		RD-0097-00	3 K
Fairing, Tailcone, Lower	M	60-31	3 T
		RD-0098-00	3 K
Moulding, Wing Root	B	K65773-00	K
Tip, Horizontal Stab., LH or RH	G	60-23	2 T
		RD-0094-00	17 K
		SA63584-10	S
Tip, Wing, LH	A	GF35115-10	20 K
Tip, Wing, RH	A	GF35115-11	20 K
TIP, Wing, LH, 4" Nav-Pad	A	SA-35115-00	27 S
TIP, Wing, RH, 4" Nav-Pad	A	SA-35115-01	27 S
TIP, Wing, LH, 6" Nav-Pad	A	SA-35115-10	27 S
TIP, Wing, RH, 6" Nav-Pad	A	SA-35115-11	27 S

1 Models PA-32-260 and PA-32-300
2 Models PA-32-260, PA-32-300 and PA-32R-300
3 Models PA-32-260, PA-32-300, PA-32R-300, PA-32R-300T
4 Models PA-32-260, PA-32-300, PA-32-301 and PA-32-301T
5 Models PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-301, PA-32R-301T
6 Models PA-32-260 and PA-32-300 S/N 32-40000 thru 32-7740112
7 Models PA-32-260, PA-32-300, PA-32-R300, PA-32R-301, PA-32R-301T, PA-32RT-300, PA-32RT-300T
8 Models PA-32-260 S/N 32-1 thru 32-7140086, PA-32-300 S/N 32-40000 thru 32-7140086
9 Models PA-32-260 S/N 32-7200001 thru 32-7800008, PA-32-300 S/N 32-7240001 and On, PA-32R-300, PA-32-301, PA-32-301T, PA-32R-301, PA-32R-300T

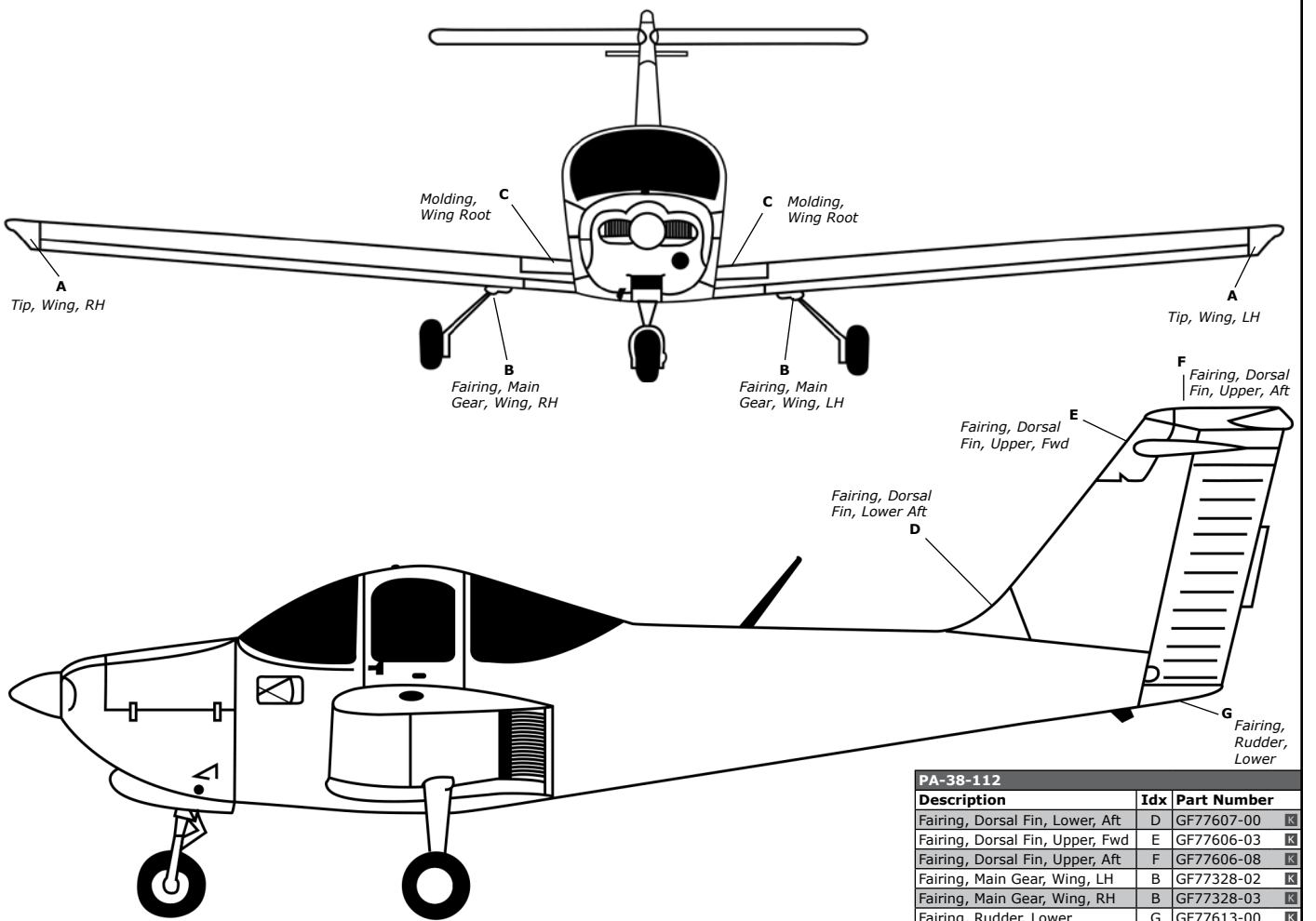
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10 Models PA-32-260 S/N 32-7800001 and On, PA-32-300 S/N 32-7740113 and On
11 Models PA-32-260 S/N 32-7800001 thru 32-7800008, PA-32-300 S/N 32-7840001 thru 32-7940290 and PA-32-301
12 Models PA-32-260 S/N 32-7800001 and On, PA-32-300 S/N 32-7840001 and On, PA-32-301, PA-32-301T
13 Models PA-32-260 S/N 32-7200061 and Up, PA-32-300 S/N 32-7240001 and Up, PA-32R-300, PA-32R-300T, PA-32-301FT, PA-32-301XTC, PA-32R-301, PA-32R-301T, PA-32-301, PA-32-301T
14 Model PA-32-300, PA-32-301T
15 PA-32-300 S/N 32-40000 thru 32-7140086
16 Models PA-32-300, PA-32R-300, PA-32-301 S/N 32-8006002 thru 32-8106110, PA-32-301T S/N 32-8024001 thru 32-8124046, PA-32R-301 S/N 32R-8013001 thru 32R-8113133 and PA-32R-301T S/N 32R-8029001 thru 32R-8129124
17 Models PA-32-260, PA-32-300, PA-32-300S, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32-301FT, PA-32-301XTC, PA-32R-301, PA-32R-301T PA-32-301, PA32-301T
18 Models PA-32-301 and PA-32-301T
19 Models PA-32-301 S/N 32-8006002 thru 32-8006116, 32-8106110, 32-8206050, 32-8306032, 32-8406020, PA-32-301T S/N 32-8024001 thru 32-8024062, S/Ns 32-8124046, 32-8224024, 32-8324016, 32-8424002 32-8524001 and On
20 Models PA-32R-301 S/N 32R-8113071 thru 32R-8613005, 3213001 thru 3213041, 3213098 excluding 3213029, PA-32R-301T S/N 32R-8129073 and up, PA-32-301FT, PA-32-301XTC, PA-32-301, PA-32-301T, PA-32R-301 S/N 3213029, 3213042 thru 3246999, 32R-8013001 thru 32R-8113070, PA-32R-301T S/N 32R-8029001 thru 32R-8129072,
21 Models PA-32-260 S/N 32-7800001 and On, PA-32-300 S/N 32-7840001 and On, PA-32-301, PA-32-301T, PA-32-301FT and PA-32-301XTC
22 Models PA-32RT-300 and PA-32RT-300T
23 W/O Door 6.00 X 6 Tire, 1978 and up
24 With 5.00 X 5 Tire
25 All Models except PA-32-301FT, PA-32-301XTC and PA-32S-300
26 Models PA-32-301, PA-32-301T, PA-32R-300, PA32R-301, PA-32R-301T
27 PA-32-301, PA-32-301T, PA32R-301, PA-32R-301T

Manufacturer/Material: K Knots 2U/Fiberglass, S Stene Aviation, T Texas Aeroplastics/ABS Plastic Parts

Piper PA-38 Series



PA-38-112		
Description	**Idx**	**Part Number**
Fairing, Dorsal Fin, Lower, Aft	D	GF77607-00 K
Fairing, Dorsal Fin, Upper, Fwd	E	GF77606-03 K
Fairing, Dorsal Fin, Upper, Aft	F	GF77606-08 K
Fairing, Main Gear, Wing, LH	B	GF77328-02 K
Fairing, Main Gear, Wing, RH	B	GF77328-03 K
Fairing, Rudder, Lower	G	GF77613-00 K
Molding, Wing Root	C	K65773-00 K
Tip, Wing, LH	A	GF77327-02 K
Tip, Wing, RH	A	GF77327-04 K

Cirrus and Beechcraft Series

Cirrus SR20-SR22 Series Aircraft	
Fairing, Nose Gear Wheel Pant	K15312-001 1 K
	K26873-001 2 K

1 Models SR20 S/N 1005 thru 1430, 1476 thru 1885 and SR22 S/N 0528 thru 2437
2 Models SR20 S/N 1886 and On, SR22 S/N 2438 and On, and Model SR22T

19A, A23-19, B19, M19A, 23, A23, A23A, B23, C23, A23-24, A24R, B24R, C24R	
Description	**Part Number**
Drain Cover, Fuel Sump	GF169-420028-11 1 K
Fairing, Dorsal	GF169-440013-11 K
Fairing, Lower Cowl	GF169-910013-157 2 K
Seal (Storm Window)	ADS-B137 K
Tail Cone	GF169-4411-S 3 K
Tip, Stabilizer Left	GF169-620001-27 4 K
	GF169-620000-113 5 K
Tip, Stabilizer Right	GF169-620001-28 4 K
	GF169-620000-114 5 K
Tip, Vertical Stabilizer	K169-640000-97 K
Tip, Wing, Left	GF169-1100-00 K
Tip, Wing, Right	GF169-1100-01 K

1 Models B19, C23, C24R
2 Models A23-19, B19, 23, A23, A23A, B23, C23, A24
3 Models 19A, A23-19, B19, M19A, 23, A23, A23A, A23-24, A24R, B24R, C24R
4 All Models and S/Ns except Model 23, S/N M-2, M-4 thru M-554
5 Model 23 S/N M-2, M-4 thru M554

35-33, 35-A33, 35-B33 , 35-C33, 35-C33A, C33, C33A, E33, E33A, E33C, F33, F33A, F33C, G33	
Description	**Part Number**
Fairing, Dorsal	K33-440011-27 K
	K33-600011-1 1 K
Fairing, Dorsal Fin	K33-600012-3 2 K
Seal (Storm Window)	ADS-B137 K
Tip, Wing, Hoerner Style	11052-1 3 K

1 Model 35-B33
2 Models 35-C33, 35-C33A
3 Model 35-C33 S/N CD-814 thru CD-1026 (Set of two)

35, 35R, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, R35, S35, V35, V35A, V35B	
Description	**Part Number**
Seal (Storm Window)	ADS-B137 K
Tip, Wing, Hoerner Style	11052-1 1 K

1 Models A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35

36, A36, A36TC, B36TC, G36	
Description	**Part Number**
Seal (Storm Window)	ADS-B137 K
Fairing, Dorsal	K33-440011-27 K

50, B50, C50, D50, D50A, D50B, D50C, D50E, E50, F50, G50, H50, J50	
Description	**Part Number**
Seal (Storm Window)	ADS-B137 K
Tip, Wing, Hoerner Style	11052-1 1 K

1 Models B50, C50, D50, D50A, D50B, E50, F50, G50 (Set of two)

95-55, 95-A55, 95-B55, 95-B55A, 95-B55B, 95-C55, 95-C55A, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58TC, 58P, G58, 76, 77, 95, B95, B95A, D95A, E95	
Description	**Part Number**
Fairing, Dorsal Fin	95-440015-17K 1 K
Fairing, Engine Nacelle, Outbrd, LH	GF96110010-17 2 K
Fairing, Engine Nacelle, Outbrd, RH	GF96110010-19 2 K
Fairing, Engine Nacelle, Inboard LH	GF96110010-21 2 K
Fairing, Engine Nacelle, Inboard, RH	GF96110010-23 2 K
Saddle, Dorsal	GF96-4415-00 6 K
Seal (Storm Window)	ADS-B137 3 K
Tip, Wing, Left	GF105-1010-00 4 K
	GF108-1700-00 5 K
Tip, Wing, Right	GF105-1010-01 4 K
	GF108-1700-01 5 K

1 Models B95, B95A, D95A, E95
2 Model 95-A55 S/N TC-191 thru TC-349, TC-351 thru TC-370, TC-372 thru TC-379, Models 95-B55 and 95-B55A S/N TC-371, TC-502 thru TC-1392, TC-1397 thru TC-2456, and Models 95-B55B, 95-C55,95-C55A (Except S/N TE-50), D55,D55A, E55, E55A, 56TC, A56TC, 58, 58TC, 58P
3 All models except 58P, 76 and 77
4 Model 76
5 Model 77
6 Model 95-B55 S/N TC-371, TC-502 thru TC-1392, TC-1397 thru TC-2456, and Models E55 and 58

Manufacturer/Material: K Knots 2U/Fiberglass, S Stene Aviation, T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Texas Aeroplastics

Texas Aeroplastics replacement parts are made from top grade ABS plastic with an average service life of 15-20 years when properly fitted and professionally painted. ABS plastic parts are repairable and most have been trimmed for easy installation. All interior parts are fire rated, top-grade Royalite with an ivory or off-white haircell finish.

Premier Aerospace Services and Technology, Inc.

Premier Aerospace Services and Technology, Inc. is a state of the art plastic components manufacturer providing high quality FAA-PMA replacement parts manufactured using PVC/Acrylic.

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Interior plastic trim parts for Beechcraft, Mooney, Cessna, and Piper series aircraft.
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Cessna Aircraft





See following pages for Piper Aircraft

150, 150A,B,C,D,E
S/N 17001 thru 15061532

Description	Fig	Part Number	
Cover Assembly	N/A	P0511482-1	2 P
Cover, Window Trim, Rear	132	P0400118-50	4 P
Mirror Assembly	N/A	P0500312-2	P
Shield	N/A	P0511482-2	3 P
Shield	162	P0511482-4	4 P
Shield, LH	N/A	P0411974-1	1 P
Shield, RH	N/A	P0411974-2	1 P

1 Add -LB for light beige or -LG for light gray
2 S/N 15059701 thru 15061532
3 S/N 15059701 thru 15060087
4 S/N 15060088 thru 15061532

150F,G,H,J,K,L,M
S/N 15061533 thru 15079405

Description	Fig	Part Number	
Center Console	21	26-23	13 T
Cover Assy.	163	P0511482-9	1 3 P
	153	P0415010-1	1 10 P
Cover Assy., Overhead Console	159	P0470114-1	1 10 P
Cover, Center Strip	155	P0415021-16	1 9 P
Cover, Control	144	P0413463-1	7 P
Cover, Window Trim Rear	132	P0400118-50	1 4 P
	150	P0414030-2	1 9 P
Door, Glove Box	143	P0413458-1	7
	145	P0413525-10	10
Door, Map Case	146	P0413546-14	12
Mirror Assembly	N/A	P0500312-2	14 P
Panel, Baggage Cmpt.	12	26-26	8 T
Panel, Baggage Cmpt. Aft	135	P0400129-15	1 2 P
Panel, Baggage Cmpt. LH	134	P0400129-13	1 2 P
Panel, Baggage Cmpt. Lower	N/A	P0400121-15	1 12 P
Panel, Baggage Cmpt. RH	133	P0400129-12	1 2 P
Panel, Baggage Cmpt. Upper	139	P0400129-58	1 5 P
	154	P0415021-13	1 10 P
Panel, Baggage Shelf	136	P0400129-19	1 2 P
Panel, Cowl LH	157	P0415021-5	1 12 P
Panel, Cowl RH	156	P0415021-34	1 10 P

Eligibility continues in next column

Eligibility continued from previous column

Panel, Door, LH	45	66-150LD	2 T
	46	67-82-150LD	6 T
	148	P0414026-27	1 12 P
Panel, Door, RH	49	66-150RD	2 T
	50	67-82-150RD	6 T
	149	P0414026-28	1 12 P
Panel, Interior Seatback	102	26-19	13 T
Post, Door, Rear, LH	138	P0400129-5	1 2 P
Post, Door, Rear, RH	137	P0400129-4	1 2 P
Shield	162	P0511482-4	1 4 P
Shield, Overhead Console	152	P0414069-1	1 12 P
Shield, RH	142	P0411974-6	1 4 P
Tray, Shoulder Harness	103	20-14	6 T
Trim, Headliner	147	P0414016-2	1 9 P

1 Add -LB for light beige or -LG for light gray
2 S/N 15061533 thru 15064532 only
3 15061533 thru 15069308
4 15061533 thru 15071128
5 15064533 thru 15072003
6 S/N 15064533 and on
7 S/N 15069309 and on
8 S/N 15071129 thru 15075781 only
9 15071129 and on
10 15072004 and on
11 S/N 15074851 and on
12 15075782 and on
13 S/N 15077006 and on
14 15061533 thru 15075781 and A15000001 thru A1500523

F150F,G,H,J,K,L,M
S/N F150-0001 thru F15001428

Description	Fig	Part Number	
Tray, Shoulder Harness	103	20-14	1 T

1 S/N F15001014 and on

152, A152
S/N 15279406 thru 15286033, A1520735 thru A1521049

Description	Fig	Part Number	
Center Console	21	26-23	4 T
Cover	153	P0415010-1	1 2 P
Cover Assy. Overhead Console	151	P0414068-3	1 2 P
Cover, Center Strip	155	P0415021-16	1 2 P

Eligibility continues on next column

Eligibility continued from previous column

Cover, Post, LH	98	26-13L	3 T
Cover, Post, RH	100	26-13R	3 T
Cover, Window Trim, Rear	150	P0414030-2	1 2 P
Door, Map Case	146	P0413546-14	2 P
Headliner Assy	N/A	P04144010-20	1 P
Panel, Baggage Comp., Up	154	P0415021-13	1 2 P
Panel, Cowl, RH	156	P0415021-34	1 2 P
Panel, Interior Seatback	102	26-19	2 T
Pocket, RH	158	P0415034-2	1 2 P
Shield, Overhead Console	152	P0414069-1	1 2 P
Tray, Shoulder Harness	103	20-14	T
Trim, Headliner	147	P0414016-2	1 2 P

1 Add -LB for light beige or -LG for light gray
2 Model 152 only
3 S/N 15276406 thru 15285939 and A1520753 thru A1521049
4 S/N 15279406 thru 15285594 only

170, 170A,B
S/N 18000 thru 27169

Description	Fig	Part Number	
Panel, Door, LH	47	27-32-03L	T
	48	30-0715064-380A	T
Panel, Door, RH	51	27-32-03R	T
	52	30-0715064-480A	T

172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S
S/N 28000 thru 172S9999

Description	Fig	Part Number	
Arm Rest Support	4	28-01	31 T
Arm Rest Support, LH	N/A	P2415003-1	1 33 P
Arm Rest Support, RH	N/A	P2415003-2	1 33 P
Arm Rest Support, Rear, LH	N/A	P2415005-1	1 33 P
Arm Rest Support, Rear, RH	N/A	P2415005-2	1 33 P
Baggage Comp. Upper	18	P0515015-22	1 21 P
Baggage Door Cover	5	P0715079-7	1 6 P
Baggage Door Frame, Aft	6	P0515018-14	1 24 P
Baggage Door Frame Cover Fwd	7	P0500210-95	1 10 P
Baggage Door Hinge Cover	9	P0515036-8	1 37 P
Center Post Cover	24	P0500210-198	1 6 P

Eligibility continues on next page

Manufacturer/Material: P Premier Aerospace Services and Technology/PVC/Acrylic T Texas Aeroplastics/ABS Plastic Parts

Cessna eligibility continued from previous page

Eligibility continued from previous page

Description	Fig	Part Number
Panel, Door, LH	45	66-150LD 2 T
Console, Cent. w/o Rud. Trim	22	28-0500233-80A 12 T
Console, Center w/ Rud. Trim	23	28-0500233RT-80A 12 T
Cover Assembly	63	P0414013-19 1 20 P
	65	P0511326-1 1 30 P
Cover, Console	N/A	P0500233-14 33 P
Cover, Console w/ Rud. Trim	N/A	P0500233-15 33 P
Cover, Emergency Locator Trans	N/A	P0515047-1 1 25 P
Cover, Closeout Door Post, LH	31	P0719032-7 1 36 P
Cover, Closeout Door Post, RH	32	P0719032-8 1 36 P
Cover, Post, LH	99	28-13L 35 T
Cover, Post, RH	101	28-12R 35 T
Cover, Speaker	104	P0511327-3 1 22 P
	105	P0514068-2 1 18 P
Door Assembly, Glove Box	N/A	P0513085-17 29 P
Door Assembly, Map Case	N/A	P0513390-29 14 P
Door Post, LH	N/A	P0413484-10 1 14 P
	35	P0413484-22 1 21 P
	36	P0515050-9 1 27 P
	37	P0719032-29 1 37 P
Door Post, RH	41	P0515026-8 1 21 P
	40	P0515026-20 1 34 P
	42	P0719032-28 1 37 P
	N/A	P0711133-62 1 14 P
	N/A	P0711133-66 1 20 P
Door Post, LH Aft	33	P0515028-1 1 21 P
Door Post, RH Aft	38	P0515028-2 1 22 P
Door Post, LH Rear	34	P0500210-81 1 5 P
Door Post, RH Rear	39	P0500210-82 1 5 P
Door Post, LH Shield Assembly	N/A	P0413484-18 1 20 P
Door Post, RH Shield Assembly	N/A	P0515026-6 1 20 P
Escutcheon Assembly LH	N/A	P0415023-1 1 22 P
Escutcheon Assembly RH	N/A	P0415023-3 1 22 P
Molding, Baggage Comp.	10	P0515012-17 1 23 P
Molding, Baggage Comp., Low	11	P0515012-18 1 24 P
Molding, Rear Window	118	P0515053-8 1 34 P
Molding, Rear Wind., Upper	120	P0500210-132 1 16 P
	121	P0515014-8 1 23 P
Molding, Rear Wind., Upper, LH	N/A	P0500210-39 1 4 P
Molding, Rear Wind., Lower	119	P0500210-135 1 17 P
Molding, Rear Wind., Lower, LH	N/A	P0500210-43 1 4 P
Molding, Side Wind., LH Light	N/A	P0500210-41 3 P
Molding, Side Wind., RH Light	N/A	P0500210-40 1 3 P
Panel, Aft LH	87	P0519081-13 1 37 P
Panel, Aft RH	89	P0519081-14 1 37 P
Panel, Upper Aft LH	88	P0519078-21 1 37 P
Panel, Upper Aft RH	90	P0519078-22 1 37 P
Panel Accent, Aft, LH	59	P0519078-27 1 37 P
Panel Accent, Aft, RH	61	P0519078-28 1 37 P
Panel Accent, Fwd, LH	60	P0519081-15 1 37 P
Panel Accent, Fwd, RH	62	P0519081-16 1 37 P
Panel Baggage Comp., Rear	13	P0500210-42 1 5 P
Panel Baggage Comp. RH	14	P0500210-97 1 11 P
	15	P2415014-16 1 37 P
Panel Baggage Comp. Upper	16	P0515019-15 1 24 P
Panel, Cable Access, LH	19	P0519044-3 1 37 P
Panel, Cable Access, RH	20	P0519044-4 1 37 P
Panel, Door, LH	47	27-32-03L T
	48	30-0715064-380A T
	N/A	P0519078-17 1 37 P
Panel, Door, RH	51	27-32-03R T
	52	30-0715064-480A T
	30	P0519078-18 1 37 P
Panel Door Accent, LH	25	P0519078-25 1 37 P
Panel Door Accent, RH	26	P0519078-26 1 37 P
Panel Door Insert, LH	28	P0519095-1 1 37 P
Panel Door Insert, RH	29	P0519095-2 1 37 P
Panel Door Insert, Aft LH	84	P0519095-3 1 37 P
Panel Door Insert, Aft RH	85	P0519095-4 1 37 P
Panel, Kick, Fwd LH	57	P0519081-11 1 37 P
Panel, Kick, Fwd RH	58	P0519081-12 1 37 P
Plug, Door Handle, LH	53	P0515075-79 1 37 P
Plug, Door Handle, RH	54	P0515075-78 1 37 P
Reel, Cover Plate	97	P0519076-4 1 37 P
Seat Back, Trim Assy, Rear	164	P0514109-1 1 22 P
Shield	160	P0511326-5 1 30 P
	N/A	P0414013-12 1 15 P
Shield Assembly, LH	N/A	P0413484-2 1 7 P
Shield Assembly, RH	94	P0711133-50 1 13 P
Shield, Instrument Light	92	P0414013-15 1 20 P
Shield, LH	N/A	P0711133-27 1 2 P
Shield, RH	N/A	P0711133-18 1 2 P
Tiara Assembly	N/A	P0514113-1 1 21 P
	165	P0514127-1 1 30 P
Tiara Assembly, RH	N/A	P0514127-3 1 28 P
Tray, Shoulder Harness	103	20-14 26 T
	166	P0515010-10 1 19 P

Eligibility continues on next column

Eligibility continued from previous column

Description	Fig	Part Number
Trim, LH	95	P0515024-25 1 37 P
Trim, RH	96	P0515024-26 1 37 P
Window, Side, Aft, LH	122	P0515027-21 1 34 P
Window, Side, Aft, RH	126	P0515027-22 1 34 P
Window, Side, LH	123	P0514071-1 1 16 P
	124	P0515027-3 1 21 P
Window, Side, RH	N/A	P0514012-2 1 14 P
	127	P0514071-2 1 18 P
	128	P0515027-4 1 21 P

1 Add -LB for light beige or -LG for light gray
2 S/N 17249545 thru 17254892 only
3 S/N 17249545 thru 17253392 only
4 S/N 17249545 thru 17257161 only
5 S/N 17249545 thru 17267584 only
6 S/N 17249545 and on
7 S/N 17250573 thru 17259223 only
8 S/N 17250573 thru 17267584 only
9 S/N 17250573 thru 17276654 only
10 S/N 17251823 thru 17267584 only
11 S/N 17251823 thru 17274009 only
12 S/N 17251823 thru 17276654 only
13 S/N 17254893 thru 17259223 only
14 S/N 17257162 thru 17259223 only
15 S/N 17257162 thru 17267584 only
16 S/N 17257162 thru 17267584 only
17 S/N 17257162 thru 17274009 only
18 S/N 17259224 thru 17267584 only
19 S/N 17259224 thru 17276211 only
20 S/N 17260759 thru 17267584 only
21 S/N 17260759 thru 17274009 only
22 S/N 17260759 thru 17276654 only
23 S/N 17260759 and on, includes model 172Q
24 S/N 17260759 and on, does not include model 172Q
25 S/N 17263459 thru 17276654 only
26 S/N 17263459 and on
27 S/N 17267585 and on
28 S/N 17267585 thru S/N 17274009 only
29 S/N 17267585 thru S/N 17275034 only
30 S/N 17267585 thru S/N 17276654 only
31 S/N 17272885 thru 17275759 only
33 S/N 17274010 thru 17276654 only
34 S/N 17274010 and on
35 S/N 17275035 and on
36 S/N 17280001 and on (172R,S)
37 Add -0 for 1997-2000 year models and -N for 2001 and up

172RG, R172K
S/N All

Description	Fig	Part Number
Console, Cabin Top	N/A	P2415019-2 1 P
Cover Assembly, Elt	169	P0515047-3 1 P
Molding, Window, Rear, Lower	N/A	P2415014-1 1 P
Panel, Avionics Circuit Breaker	N/A	P2413062-1 1 P
Panel, Baggage Comp.	167	P0515015-6 1 P
Panel, Baggage Comp.	168	P0515019-5 1 P
Panel, Baggage Comp. RH	N/A	P2415014-2 1 P
Tray, Shoulder Harness	103	20-14 T

1 Add -LB for light beige or -LG for light gray

177A,B, 177RG
S/N All

Description	Fig	Part Number
Cover Assembly, Cabin Top	N/A	P1706044-3 1 4 P
Molding, Baggage Door	N/A	P1715019-24 1 3 P
Panel, Seat Back	N/A	P1714089-1 1 P
Trim, Door	N/A	P1715042-27 1 3 P
Trim, Panel, Forward, LH	N/A	P1715018-6 1 2 P
Trim, Panel, Forward, RH	N/A	P1715018-5 1 2 P

1 Add -LB for light beige or -LG for light gray
2 Models 177A and B only
3 Model 177B only
4 Models 177B and 177RG only

180, 180A,B,C,D,E,F,G,H,J,K
S/N 30000 thru 18053203

Description	Fig	Part Number
Panel, Door, LH	47	27-32-03L 1 T
	48	30-0715064-3-80A 1 T
Panel, Door, RH	51	27-32-03R 1 T
	52	30-0715064-4-80A 1 T
Panel, Front, RH	183	P0715064-16 2 3 P

1 S/N 30000 thru 18052770 only
2 S/N 18052285 thru 18052770 only
3 Add -LB for light beige or -LG for light gray

182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
S/N 33000 thru 18268586

Description	Fig	Part Number
Armrest Support, LH	N/A	P2215026-1 1 28 P
Armrest Support, RH	N/A	P2215026-2 1 28 P
Armrest, Rear, LH	N/A	P2215027-1 1 28 P
Armrest, Rear, RH	N/A	P2215027-2 1 28 P
Baggage Doorpost Cover	N/A	P0700702-9 1 5 P
Cover, Access	N/A	P0714051-8 1 21 P

Eligibility continues on next column

Eligibility continued from previous column

Description	Fig	Part Number
Cover Assembly	N/A	P0711778-5 1 16 P
	N/A	P0713811-5 17 P
	N/A	P0713811-7 31 P
Cover, Brow	N/A	P0713791-3 1 7 P
Cover, LH	172	P0715024-1 1 22 P
Cover, RH	173	P0715024-2 1 22 P
Cover Side Window, LH Light	N/A	P0700702-15-434 1 3 P
Cover Side Window, RH Light	N/A	P0700702-16-434 1 3 P
Cover, Side Window Frame, LH	N/A	P0715009-1 1 13 P
Door Assy, Map Compartment	27	P0713777-3 7 P
Door Handle, Plug, LH	185	P0715096-13 1 29 P
Door Handle, Plug, RH	186	P0715096-14 1 29 P
Escutcheon, Dome Light	N/A	P0711779-2 1 22 P
Escutcheon, LH	N/A	P1715047-3 1 22 P
Escutcheon, RH	N/A	P1715047-4 1 22 P
Headliner Assembly	N/A	P0714051-1 1 23 P
Headliner Assembly, Molded	N/A	P0714002-7 1 19 P
Molding, LH	74	P0715032-19 1 27 P
	75	P0715044-1 1 18 P
	77	P0715044-9 1 19 P
	76	P0715044-11 1 25 P
Molding, RH	78	P0715032-18 1 27 P
	80	P0715044-2 1 18 P
	81	P0715044-8 1 19 P
	79	P0715044-10 1 25 P
Molding, Doorpost, LH	N/A	P0715022-3 1 14 P
Molding Door Sill	179	P0715044-5 1 16 P
Molding, Door Window, LH	N/A	P0715008-3 1 27 P
	175	P0715032-15 1 15 P
Molding, Door Window, RH	N/A	P0715008-4 1 12 P
	176	P0715032-16 1 14 P
Molding Assy, Door Window, RH Openable	113	P0715069-1 1 24 P
Molding, Window, LH	N/A	P0715032-3 1 18 P
	N/A	P0715032-9 1 18 P
	177	P0715044-3 1 30 P
	106	P0715044-15 1 25 P
Molding, Window, RH	N/A	P0715022-10 1 15 P
	N/A	P0715032-4 1 18 P
	174	P0715032-10 1 18 P
	178	P0715044-4 1 30 P
	107	P0715044-16 1 25 P
Molding, Window Aft	N/A	P0700702-12 1 4 P
	170	P0715010-2 1 20 P
Molding, Window, Up. Aft, LH	108	P0715010-3 1 25 P
Molding, Window, Up. Aft, RH	109	P0715010-4 1 25 P
Panel Assembly, LH	N/A	P0715023-3 1 19 P
Panel Assembly, RH	171	P0715023-16 1 19 P
Panel, Assembly, Aft Wall	N/A	P0700702-10 1 5 P
	N/A	P0715023-1 1 15 P
	N/A	P0715023-5 1 16 P
	182	P0715053-3 1 19 P
Panel, Assembly, Baggage LH	82	P0715088-1 1 27 P
Panel, Baggage, Aft	N/A	P2215012-3 1 28 P
Panel, Baggage Compartment	N/A	P0700702-6 1 6 P
Panel, Baggage Wall, Aft	184	P0715089-1 1 27 P
Panel, Canted	N/A	P0700702-11 1 5 P
	N/A	P0700702-21 1 19 P
Panel, Canted, Baggage Comp.	86	P0715080-1 1 25 P
Panel, Door, LH	47	27-32-03L 2 T
	48	30-0715064-380A 2 T
	N/A	P0715096-19 1 29 P
Panel, Door, RH	51	27-32-03R 2 T
	52	30-0715064-480A 2 T
	N/A	P0715096-20 1 29 P
Panel, Trim	91	P0715052-6-532 1 25 P
Panel, Trim, LH	180	P0715052-1 1 19 P
Panel, Trim, RH	181	P0715052-2 1 19 P
Panel, Trim, Lower LH	N/A	P2215022-9 1 28 P
Panel, Trim, Lower RH	N/A	P2215022-10 1 28 P
Panel, Trim, Upper LH	N/A	P2215022-11 1 28 P
Panel, Trim, Upper RH	N/A	P2215022-12 1 28 P
Shield, LH	N/A	P1215045-5 1 15 P
Shield, RH	N/A	P1215045-6 1 15 P
Shield Doorpost LH	N/A	P0715007-1 1 10 P
	N/A	P0715007-5 1 14 P
	N/A	P0715022-1 1 15 P
Shield Doorpost LH, Light	43	P0700702-17 1 8 P
Shield Doorpost RH	N/A	P0715007-3 1 11 P
	N/A	P0715022-2 1 15 P
Shield Doorpost RH, Light	44	P0700702-18 1 9 P
Shield, Glare Assembly	N/A	P0713169-1 18 P
Splice	N/A	P0715049-1 1 22 P

Eligibility continues on next page

Manufacturer/Material: P Premier Aerospace Services and Technology/PVC/Acrylic T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna eligibility continued from previous page

Eligibility continued from previous page		
Description	**Fig**	**Part Number**
Trim Assembly, Seat Back, LH	N/A	P0714023-1 1 20 P
	N/A	P0715004-1 1 10 P
Trim Assembly, Seat Back, RH	N/A	P0715016-1 1 15 P
	N/A	P0714023-2 1 20 P
Trim, Strip, LH	N/A	P0715022-7 1 15 P

1 Add -LB for light beige or -LG for light gray
2 S/N 33000 thru 18260055 only
3 S/N 18255059 thru 18255844 only
4 S/N 18255059 thru 18259305 only
5 S/N 18255059 thru 18260825 only
6 S/N 18255059 thru 18261425 only
7 S/N 18255846 thru 18257625 only
8 S/N 18256685 thru 18257625 only
9 S/N 18256685 thru 18258505 only
10 S/N 18258506 thru 18260055 only
11 S/N 18258506 thru 18260825 only
12 S/N 18259306 thru 18260055 only
13 S/N 18259306 thru 18265175 only
14 S/N 18260056 thru 18260825 only
15 S/N 18260056 thru 18265175 only
16 S/N 18260056 thru 18267715 only
17 S/N 18262466 thru 18264295 only
18 S/N 18260826 thru 18265175 only
19 S/N 18260826 thru 18267715 only
20 S/Ns 18260826 thru 18267715 and R18200001 thru R18202041
21 S/Ns 18260826 thru 18268586 and R18200001 thru R18202041
22 S/Ns 18260826 thru 18267715, R18200001 thru R18202041
23 S/Ns 18265176 thru 18267715 and R18200001 thru R18202041
24 S/N 18260826 thru 18268586 only
25 S/N 18260826 thru 18268586 only
26 S/N 18263476 thru 18267715 only
27 S/N 18267716 thru 18268586 only
28 S/N 18267716 thru 18268586 and Models FR182, R182, T182 and TR182
29 Model 182S only
30 S/N 18260826 thru 18267715 & F18200001 thru F18200169
31 S/N 18264296 thru 18265965 only

185, 185A,B,C,D,E, A185E,F
S/N 185-0001 thru 18504448

Description	**Fig**	**Part Number**
Panel, Door, LH	47	27-32-03L T
With built in arm rest	48	30-0715064-380A T
Panel, Door, RH	51	27-32-03R T
With built in arm rest	52	30-0715064-480A T

206H, U206, U206A,B,C,D,E,F,G, P206, P206A, T206H, TU206F, G
S/N 20608001 thru 20699999
S/N U206-0276 thru U20601700
S/N P206-0002 thru P206-0306
S/N T20608001 thru T206999999

Eligibility continues on next column

Eligibility continued from previous column		
Description	**Fig**	**Part Number**
Curtain Assy, Baggage	N/A	P1215063-7 1 3 P
Door Assy., Map Compartment	27	P0713777-3 3 P
Molding Assembly	N/A	P1215087-4 2 P
Molding, LH	N/A	P1215046-12 1 2 P
Cover, Window Post, LH	N/A	P1200659-25 1 4 P
Cover, Window Post, RH	N/A	P1200659-26 1 4 P
Molding, Baggage Compt. Top	N/A	P1215061-2 1 4 P
Molding, Cabin Aft	N/A	P1215060-1 1 4 P
Molding, Cargo Door	N/A	P1215043-6 1 4 P
Molding, Cargo Door, Aft	N/A	P1215043-4 1 4 P
Molding, Center LH	N/A	P1200656-20 1 4 P
Molding, Rear LH	N/A	P1200656-17 1 4 P
Molding, Rear RH	N/A	P1200656-18 1 4 P
	201	P1200656-22 1 2 P
Molding, Window Fwd RH	N/A	P1215105-2 1 4 P
Panel, Aft LH	N/A	P1215043-23 1 4 P
Panel, Door Trim	N/A	P1215043-28 1 4 P
Panel, Fwd LH	N/A	P1215043-1 1 4 P
Panel, Fwd RH	N/A	P1215043-2 1 4 P
Panel, Rear RH	N/A	P1215043-24 1 4 P

1 Add -LB for light beige or -LG for light gray
2 Models 206H and T206H only
3 Models U206, U206A,B,C,D,E, P206, P206A only
4 Models U206F,G, TU206F,G only

210B,C,F,K,L,M,N,R, T210F,K,L,M,N,R

Description	**Fig**	**Part Number**
Cover Assy., Overhead Console	N/A	P1200243-1 1 2 P
Cover, Baggage Door	196	P1200456-19 1 6 P
Cover, Cabin Step, White	202	P1211513-2 2 P
Cover, Panel, Rear	199	P1200456-9 1 5 P
Cover, Pedestal, Black	N/A	P1213474-2 5 P
Escutcheon, Air Vent, Rear	188	P1200241-1 1 2 P
Escutcheon, Center Vent	N/A	P1200239-1 1 2 P
Escutcheon, Door Handle, LH	N/A	P0705042-3 1 3 P
Escutcheon, Door Handle, RH	N/A	P0705042-4 1 3 P
Frame, Side Window, Aft, LH	N/A	P1200456-7 1 5 P
Frame, Side Window, Aft, RH	198	P1200456-6 1 5 P
Frame, Side Window, LH	195	P1200456-1 1 5 P
Frame, Side Window, RH	197	P1200456-2 1 5 P
Molding, Aft, LH	N/A	P1215109-21 1 3 P
Molding, Aft, RH	N/A	P1215109-22 1 3 P
Molding, Door Window, Up., LH	N/A	P1215130-1 1 3 P
Molding, Door Window, Up., RH	N/A	P1215130-2 1 3 P
Molding, Forward, LH	N/A	P1215109-19 1 3 P
Molding, Forward, RH	N/A	P1215109-20 1 3 P
Panel, Assy Aft, LH	190	P1200455-11 1 5 P
Panel, Assy Aft, RH	191	P1200455-12 1 5 P
Panel, Assy Door, LH	194	P1200455-9 1 5 P
Panel, Assy Door, RH	189	P1200455-10 1 5 P
Panel, Assy Sidewall, Fwd LH	192	P1200455-7 1 5 P
Panel, Assy Sidewall, Fwd RH	193	P1200455-8 1 5 P
Panel, Avionics Circuit Breaker	N/A	P1270092-1 1 4 P

Eligibility continues on next column

Eligibility continued from previous column		
Description	**Fig**	**Part Number**
Shield, Doorpost LH	187	P0770725-8 1 7 P
Shield, Doorpost RH	200	P1200535-4 1 7 P
Shield, Door, Upper, LH	N/A	P1215109-3 1 P
Shield, Door, Upper, RH	N/A	P1215109-4 1 P
Trim, Shield	203	P1215066-1 1 P
	204	P1215186-1 1 8 P

1 Add -LB for light beige or -LG for light gray
2 Models 210L,M,N, T210L,M,N only
3 Models 210M,N, T210M,N only
4 Models 210M and T210M only
5 Model 210B only
6 Models 210B,C only
7 Models 210F, T210F only
8 Models 210N,R, T210N,R only

401, 401A,B, 402, 402A,B

Description	**Fig**	**Part Number**
Cover Assy, Cockpit Light and Oxygen	66	P5017516-8 1 6 P
Cover Assy, Rheostat Controls	67	P5017561-10 1 3 P
Cover, Inside, LH	70	P5014016-5 1 2 P
Cover, Inside, RH	71	P5014016-6 1 2 P
Cover, Outside, LH	72	P5014016-3 1 2 P
Cover, Outside, RH	73	P5014016-4 1 2 P
Cup, Handle	56	P5011128-1 1 5 P
Trim Assy, Upper Cargo Door	55	P5214018-7 1 3 P
Trim, Window, Aft	125	P5014046-10 1 3 P
Trim, Window, Center Aft	110	P5014046-8 1 3 P
Trim, Window, Center Fwd	111	P5014046-5 1 3 P
	112	P5014046-6 1 3 P
Trim, Window, Pilot's	117	P5014044-3 1 4 P
Trim, Window, Co-Pilot's	116	P5014044-4 1 4 P
Trim Emergency Window	114	P5014046-4 1 3 P
Trim Forward Window	115	P5014046-3 1 3 P
Trim, Upper Door Window, LH	129	P5014046-42 1 3 P
Trim, Windshield, Center	130	P5014045-5 1 6 P
Trim, Windshield, Upper	131	P5014045-3 1 6 P

1 Add LB for light beige or LG for light gray
2 Models 401, 401A,B
3 Models 401, 401A, 402A,B
4 Models 401, 401A,B, 402, 402A
5 Models 401, 401A, 402, 402A,B
6 Models 401, 401A,B, 402, 402A,B

421B,C

Description	**Fig**	**Part Number**
Cover Assembly	64	P5119137-2 1 3 P
Cover Face, LH	68	P5114534-5 1 2 P
Cover Face, RH	69	P5114534-6 1 2 P
Panel Assy, Armrest, Pilot's	2	P5119057-13 1 3 P
Panel Assy, Armrest, Co-Pilot's	1	P5119139-4 1 3 P
Storage, Armrest, Pilot's	3	P5219153-1 1 3 P
Storage, Armrest, Co-Pilot's	205	P5219153-2 1 3 P

1 Add -LB for light beige or -LG for light gray
2 Models 421B,C
3 Models 421C

Manufacturer/Material: P Premier Aerospace Services and Technology/PVC/Acrylic T Texas Aeroplastics/ABS Plastic Parts

Cessna Interior Plastic images continue on next page

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1

P5119139-4
Panel Assy Co-Pilot

2

P5119139-4
Panel Assy Co-Pilot

3

P5219153-1
Storage Pilot's

4

28-01
Arm Rest Support

5

P0715079-7
Door Cover

6

P0515018-14
Door Frame Aft

7

P0500210-95
Door Frame Cover Fwd

8

P0515036-2
Door Frame Cover Fwd

9

P0515036-8
Door Hinge Cover

10

P0515012-17
Baggage Compartment

11

P0515012-18
Baggage Comp. Lower

12

26-26
Baggage Panel

13

P0500210-42
Baggage Panel Rear

14

P0500210-97
Baggage Compartment Panel RH

15

P2415014-16
Baggage Compartment Panel RH

16

P0515019-15
Baggage Compartment Panel Upper

17

P0715081-1
Baggage Compartment Panel

18

P0515015-22
Baggage Compartment Upper

19

P0519044-3
Cable Access Panel LH

20

P0519044-4
Cable Access Panel RH

21

26-23
Center Console

22

28-0500233-80A
Center Console w/o Trim

23

28-0500233RT-80A
Center Console w/Trim

24

P0500210-198
Center Post Cover

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25  **P0519078-25** Door Accent Panel, LH	26  **P0519078-26** Door Accent Panel, RH	27  **P0713777-3** Assy. Map Compartment	28  **P0519095-1** Door Insert Panel, LH	29  **P0519095-2** Door Insert Panel, RH	30  **P0519078-18** Door Panel, RH	31  **P0719032-7** Post, Cover Closeout LH	32  **P0719032-8** Post, Cover Closeout RH
33 **P0515028-1** Door Post, LH Aft	34  **P0500210-81** Door Post, LH Rear	35  **P0413484-22** Door Post, LH	36  **P0515050-9** Door Post, LH	37  **P0719032-29** Door Post, LH	38 **P0515028-2** Door Post RH Aft	39  **P0500210-82** Door Post RH Rear	40  **P0515026-20** Door Post, RH
41  **P0515026-8** Door Post, RH	42  **P0719032-28** Door Post, RH	43  **P0700702-17** Post, Shield, Light LH	44  **P0700702-18** Post,Shield, Light RH	45  **66-150LD** Door Panel LH	46  **67-82-150LD** Door Panel LH	47  **27-32-03L** Door Panel LH	48  **30-0715064-380A** Door Panel LH
49  **66-150RD** Door Panel RH	50  **67-82-150RD** Door Panel RH	51  **27-32-03R** Door Panel RH	52  **30-0715064-480A** Door Panel RH	53  **P0515075-79** Plug, Door Handle, LH	54  **P0515075-78** Plug, Door Handle, RH	55  **P5214018-7** Trim Assy, Upper Cargo	56  **P5011128-1** Handle Cup
57  **P0519081-11** Kick Panel LH Fwd	58  **P0519081-12** Kick Panel RH Fwd	59  **P0519078-27** Accent Panel, LH Aft	60  **P0519081-15** Accent Panel, LH Fwd	61  **P0519078-28** Accent Panel, RH Aft	62  **P0519081-16** Accent Panel, RH Fwd	63  **P0414013-19** Cover Assembly	64  **P5119137-2** Cover Assembly
65 **P0511326-1** Cover Assembly	66 **P5017516-8** Cover Assy Cockpit Lgt	67 **P5017561-10** Cover Assy Rheostat	68 **P5114534-5** Cover Face, LH	69 **P5114534-6** Cover Face, RH	70 **P5014016-5** Cover Inside, LH	71 **P5014016-6** Cover Inside, RH	72 **P5014016-3** Cover Outside, LH
73 **P5014016-4** Cover Outside, RH	74 **P0715032-19** Molding LH	75 **P0715044-1** Molding LH	76 **P0715044-11** Molding LH	77 **P0715044-9** Molding LH	78 **P0715032-18** Molding RH	79 **P0715044-10** Molding RH	80 **P0715044-2** Molding RH
81 **P0715044-8** Molding RH	82 **P0715088-1** Panel Assembly, LH	83 **P0715087-1** Panel Assembly, RH	84 **P0519095-3** Panel Insert, Aft LH	85 **P0519095-4** Panel Insert, Aft RH	86 **P0715080-1** Panel, Canted	87 **P0519081-13** Panel, Aft LH	88 **P0519078-21** Panel Upper Aft, LH

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89

P0519081-14
Panel, Aft RH

90

P0519078-22
Panel Upper Aft, RH

91

P0715052-6-532
Panel, Trim

92

P0414013-15
Shield

93

P05111326-5
Shield

94

P0711133-50
Shield Assy., RH

95

P0515024-25
Trim, LH

96

P0515024-26
Trim, RH

97

P0519076-4
Reel Cover Plate

98

26-13L
Cover, Post, LH

99

28-13L
Cover, Post, LH

100

26-13R
Cover, Post, RH

101

28-12R
Cover, Post, RH

102

26-19
Panel, Interior Seatback

103

20-14
Tray

104

P0511327-3
Cover

105

P0514068-2
Cover

106

P0715044-15
Molding, LH

107

P0715044-16
Molding, RH

108

P0715010-3
Molding, Upper Aft, LH

109

P0715010-4
Molding, Upper Aft, RH

110

P5014046-8
Trim

111

P5014046-5
Trim

112

P5014046-6
Trim

113

P0715069-1
Molding, RH

114

P5014046-4
Trim

115

P5014046-3
Trim

116

P5014044-4
Trim

117

P5014044-3
Trim

118

P0515053-8
Molding

119

P0500210-135
Molding, Lower

120

P0500210-132
Molding, Upper

121

P0515014-8
Molding, Upper

122

P0515027-21
Aft, LH

123

P0514071-1
LH

124

P0515027-3
LH

125

P5014046-10
Aft

126

P0515027-22
Aft, RH

127

P0514071-2
RH

128

P0515027-4
RH

129

P5014046-42
Trim, LH

130

P5014045-5
Trim, Center

131

P5014045-3
Trim, Upper

132

P0400118-50
Cover, Window Trim, Rear

133

P0400129-12
Panel,Baggage Cmpt RH

134

P0400129-13
Panel, Baggage Cmpt LH

135

P0400129-15
Panel, Baggage Cmpt Aft

136

P0400129-19
Panel, Baggage Shelf

137

P0400129-4
Post, Door, Rear, RH

138

P0400129-5
Post, Door, Rear, LH

139

P0400129-58
Panel,Baggage Cmpt Up

140

P0411974-1
Shield, LH

141

P0411974-2
Shield, RH

142

P0411974-6
Shield, RH

143

P0413458-1
Door, Glove Box

144

P0413463-1
Cover, Control

145

P0413525-10
Door, Glove Box

146

P0413546-14
Door, Map Case

147

P0414016-2
Trim, Headliner

148

P0414026-27
Panel, Door, LH

149

P0414026-28
Panel, Door, RH

150

P0414030-2
Cover, Window Trim, Rear

151

P0414068-3
Cover Assy, Overhead Con

152

P0414069-1
Shield,Overhead Console

Cessna Interior Plastic images continued from previous page

Photos are not to scale or relative to each other

153  **P0415010-1** Cover Assy	**154**  **P0415021-13** Panel,Baggage,Cmpt Up	**155** **P0415021-16** Cover, Center Strip	**156**  **P0415021-34** Panel, Cowl RH	**157**  **P0415021-5** Panel, Cowl LH	**158**  **P0415034-2** Pocket, RH	**159**  **P0470114-1** Cover,Assy, Overhead Con	**160**  **P0511326-5** Shield
161  **P0511482-1** Cover Assy	**162**  **P0511482-4** Shield	**163**  **P0511482-9** Cover, Assy	**164**  **P0514109-1** Seat Back,Trim Assy, Rear	**165**  **P0514127-1** Tiara Assy	**166**  **P0515010-10** Tray, Shoulder Harness	**167**  **P0515015-6** Panel, Baggage Comp	**168**  **P0515019-5** Panel, Baggage Comp
169  **P0515047-3** Cover Assy, Elt	**170**  **P0715010-2** Molding, Window Aft	**171**  **P0715023-16** Panel Assy, RH	**172**  **P0715024-1** Cover, LH	**173**  **P0715024-2** Cover, RH	**174**  **P0715032-10** Molding, Window RH	**175**  **P0715032-15** Molding,Door Window LH	**176**  **P0715032-16** Molding,Door Window RH
177  **P0715044-3** Molding Window, LH	**178**  **P0715044-4** Molding Window, RH	**179** **P0715044-5** Molding Door Sill	**180**  **P0715052-1** Panel, Trim LH	**181**  **P0715052-2** Panel, Trim RH	**182**  **P0715053-3** Panel, Assy Aft Wall	**183**  **P0715064-16** Panel, Front RH	**184**  **P0715089-1** Panel, Baggage Wall Aft
185  **P0715096-13** Door Handle, Plug LH	**186**  **P0715096-14** Door Handle, Plug RH	**187**  **P0770725-8** Shield, Doorpost LH	**188**  **P1200241-1** Escutcheon, Air Vent Rear	**189**  **P1200455-10** Panel, Assy Door RH	**190**  **P1200455-11** Panel, Assy Aft LH	**191**  **P1200455-12** Panel, Assy Aft RH	**192**  **P1200455-7** Panel, Assy Sidewall Fwd LH
193 **P1200455-8** Panel, Assy Sidewall Fwd RH	**194** **P1200455-9** Panel, Assy Door LH	**195** **P1200456-1** Frame, Side Window LH	**196** **P1200456-19** Cover, Baggage Door	**197** **P1200456-2** Frame, Side Window RH	**198** **P1200456-6** Frame, Side Window Aft RH	**199** **P1200456-9** Cover, Panel, Rear	**200** **P1200535-4** Shield, Doorpost RH
201 **P1200656-22** Molding, Rear RH	**202** **P1211513-2** Cover, Cabin Step, White	**203** **P1215066-1** Trim, Shield	**204** **P1215186-1** Trim, Shield	**205** **P5219153-2** Storage, Armrest Co-Piot			

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov





Piper Aircraft

PA-24, PA-24-250, PA-24-260, PA-24-400		
Description	**Fig**	**Part Number**
Box Assembly, Cabin Air Outlet	N/A	P25574-00 4 P
Molding Assy., Front Window	N/A	P25416-00 4 P
Molding, Cabin Door Window	N/A	P23314-06 P
Molding, Center Window, RH	N/A	P20758-09 1 P
Molding, Front Window, LH	N/A	P25418-00 4 P
Molding, Front Window, RH	N/A	P23308-06 3 P
Molding, Front Window, RH	N/A	P23314-02 5 P
Molding, Rear Window, LH	N/A	P25417-00 4 P
Panel Assy	N/A	P22452-00 2 P

1 Models PA-24 and PA-24-250 only
2 Models PA-24, PA-24-250 and PA-24-260 only
3 Models PA-24-250, PA-24-260 and PA-24-400 only
4 Model PA-24-260 only
5 Model PA-24-400 only

PA-28-140, -150, -160, -180, PA-28R-180		
Description	**Fig**	**Part Number**
Armrest, LH	1	H65238-10 1 6 P
Armrest, RH	2	H65238-11 1 6 P
Battery Box Cover	4	H35201-00 3 P
Blade, Sun Visor	126	H65866-00 3 P
Cap, Assist Strap	3	H79456-00 P
Compass Housing Assembly	14	H79600-00 P
Console, Overhead	19	H99500-06 3 P
Cover, Console	16	H67330-10 4 P
Cover, Elt Switch	25	H79463 4 P
Cover, Engine Control	26	H67232-40-41 5 P
Cover, Exhaust Vent	133	H99252-10 P
Cover, Flap Handle	31	60-65224-80A 6 T
	32	60-67785-17-80A 2 T
	35	H65224-07 P
	36	H67593-09 9 P
	37	H67785-17 P
Cover, Fuel Selector	52	H99635-09 2 P
Cover, Instrument Panel	57	H65891 2 P
Cover, Instr. Panel, LH	58	H67228-04 2 P
	59	H67228-09 8 P
Cover, Instr. Panel, Lower, LH	69	H66918-16 3 P
	72	H66983-12 9 P
Cover, Instr. Panel, Lower RH	76	H79527-02 3 P
Cover, Instr. Panel, RH	62	H67229-06 3 P
Cover, Instr. Panel, Upper RH	85	H99959-04 3 P
	86	H99959-05 2 P
Cover, Instr. Panel, Upper, LH	79	H67227-12 8 P
	83	H79044-06 2 P
Cover, LH	91	H67313-02 10 P
Cover, RH	92	H67314-02 10 P
Cover, Radio Cooling	114	H79404-00 2 P
Cover, Rudder Trim	115	H63295-05 P
Cover, Seat Back	120	H78041 1 5 P
Cover, Shoulder Harness, LH	122	H78054-02 5 P
Cover, Shoulder Harness, RH	123	H99801-02 5 P
Cover, Shoulder Hrns, Rear, LH	169	P99920-02 10 P
Cover, Shoulder Hrns, Rear, RH	170	P99920-03 10 P
Cover, Transponder Antenna	N/A	P99991-00 3 P
Cover, Trim	94	H65674-15 P

Eligibility continues on next column

Eligibility continued from previous column

Description	**Fig**	**Part Number**
Cover, Window Frame, Cntr, LH	168	P99904-05 8 P
Cover, Window, RH	142	H79171-02 2 P
Cover, Window, Rear LH	140	H67311-02 9 P
Cover, Window, Rear RH	141	H67312-02 9 P
Cover, Windshield Bow, Low. RH	145	H79171-13 2 P
Cover, Windshield Bow, Up. LH	146	H63149-20 2 P
Cover, Windshield Bow, Up. RH	147	H63149-21 2 P
Cover, Windshield, Upper LH	152	H63149-12 P
	153	H63149-16 4 P
Cover, Windshield, Upper RH	154	H63149-13 P
	155	H63149-17 4 P
Cover, Wing Bolt, LH	160	H63942-00 P
Cover, Wing Bolt, RH	161	H63942-01 P
Cup, Air Vent	101	H65735C 1 3 P
	100	H68736-00 6 P
Door Assembly, Rear Bulkhead	167	P79445-00 1 4 P
Door, Glove Box	54	H20596-00 P
Duct, Bulkhead Vent	132	H76308-00 8 P
Duct, Center Vent P/N H76307-00 w/o recess P/N H76307-07 w/recess	9	H76307-00 8 P
	9	H76307-07 8 P
	11	H99541-00 8 P
	12	H99541-02 8 P
Duct, Fresh Air	48	H79186-08 2 P
Duct, Heat	56	H36511 8 P
Evaporator Filter	29	H99550-02 8 P
	30	H99550-03 2 P
Flange, Air Vent	102	H65735F 1 2 P
Grip, Handhold	55	H67235-00 3 P
Inertia Reel, LH	124	H67762-13 6 P
Interconnect, Ventilation Bulk	166	P79192-00 4 P
Inertia Reel, RH	125	H67762-12 6 P
Lens, Cabin Light	6	H12715-00 P
Lens, Cluster Assembly	13	H79381-00 3 P
Panel Assembly	103	H63428-06 P
	104	H63428-09 2 P
	107	H99222-04 5 P
Panel, Door Latch	22	H79542-05 1 2 P
Plate, Placard Engine Control	108	H65846-00 3 P
Seat Back, RH	121	H78041-08 1 3 P
Shield, Flap Handle Cover	41	H62827-07 P
	42	H65672-05 4 P
Trim, Floor	112	60-18 7 T
Trim Strip, Window Post, LH	143	H63125-04 P
Trim Strip, Window Post, RH	144	H63126-04 P
Trim Strip, Windshield, LH	156	H63149-14 4 P
Trim Strip, Windshield, RH	157	H63149-15 4 P
Trim, Windshield	159	H67556-04 3 P

1 Add -B for black or -W for white
2 Model PA-28-140 only
3 Models PA-28-140 and PA-28-180 only
4 Models PA-28-140, PA-28-180 and PA-28R-180 only
5 Model PA-28-140 and PA-28R-180 only
6 Models PA-28-150, PA-28-160 and PA-28-180 only
7 Models PA-28-150, 160, 180 S/N 28-1761 thru 28-3977
8 Model PA-28-180 only
9 Model PA-28R-180 only
10 Model PA-28-180 and PA-28R-180 only

Eligibility continues on next column

Eligibility continued from previous column

PA-28-151, -161, -181, -201T		
Description	**Fig**	**Part Number**
Battery Box Cover	4	H35201-00 P
Blade, Sun Visor	126	H65866-00 P
Cap, Assist Strap	3	H79456-00 P
Compass Housing Assembly	14	H79600-00 P
Console, Overhead	18	H76496-02 2 P
	19	H99500-06 3 P
Cover, Console	16	H67330-10 P
Cover, Door Trim, Upper	20	H79542-04 P
Cover, Drain	23	H35507-02 P
Cover, Elt Switch	25	H79463 P
Cover, Engine Control	26	H67232-40-41 P
Cover, Exhaust Vent	133	H99252-10 P
Cover, Flap Handle	32	60-67785-17-80A 7 T
	37	H67785-17 P
Cover, Fuel Selector	49	H35773-02 5 P
	52	H99635-09 P
Cover, Instrument Panel, LH	58	H67228-04 2 P
	59	H67228-09 6 P
Cover, Instr. Panel, Lower RH	76	H79527-02 P
Cover, Instr. Panel, Lower, LH	69	H66918-16 7 P
	70	H66918-18 5 P
	71	H66918-20 7 P
Cover, Instrument Panel, RH	62	H67229-06 7 P
Cover, Instr. Panel, Upper RH	85	H99959-04 4 P
	86	H99959-05 P
Cover, Instr. Panel, Upper, LH	80	H36567-05 7 P
	83	H79044-06 7 P
Cover, Radio Cooling	114	H79404-00 P
Cover, Rudder Pedal Stop Brack	165	P78735-02 6 P
Cover, Seat Back	120	H78041 1 P
Cover, Shoulder Harness, LH	122	H78054-02 P
Cover, Shoulder Harness, RH	123	H99801-02 P
Cover, Shoulder Hrns, Rear, LH	169	P99920-02 6 P
Cover, Shoulder Hrns, Rear, RH	170	P99920-03 6 P
Cover, Trim	94	H65674-15 P
Cover, Window Frame, Cent. LH	134	H79171-11 P
Cover, Window Frame, Cent. RH	135	H79171-08 P
Cover, Window Frame, Front LH	137	H79171-14 P
Cover, Window Frame, Rear LH	138	H79171-10 P
Cover, Window Frame, Rear RH	139	H79171-09 P
Cover, Window, RH	142	H79171-02 P
Cover, Windshield Bow, Low. RH	145	H79171-13 P
Cover, Windshield Bow, Up. LH	146	H63149-20 P
Cover, Windshield Bow, Up. RH	147	H63149-21 P
Cover, Windshield, Upper LH	153	H63149-16 7 P
Cover, Windshield, Upper RH	155	H63149-17 7 P
Cover, Wing Bolt, LH	160	H63942-00 P
Cover, Wing Bolt, RH	161	H63942-01 P
Cup, Air Vent	101	H65735C 1 P
Door Assembly, Rear Bulkhead	167	P79445-00 1 8 P
Duct, Bulkhead Vent	132	H76308-00 6 P

Eligibility continues on next page

Manufacturer/Material: P Premier Aerospace Services and Technology/PVC/Acrylic T Texas Aeroplastics/ABS Plastic Parts

Piper eligibility continued from previous page

Eligibility continued from previous page

Description	Fig	Part Number
Duct, Center Vent P/N H76307-00 w/o recess P/N H76307-07 w/recess	9	H76307-00 P
	9	H76307-07 P
	10	H79855-02 P
	12	H99541-02 P
Duct, Heat	56	H36511 P
Evaporator Filter	29	H99550-02 P
Flange	102	H65735F 1 P
Flange, Bulkhead Interconnect	5	H35498-00 2 P
Grip, Handhold	55	H67235-00 4 P
Interconnect, Ventilation Bulk	166	P79192-00 6 P
Lens, Cabin Light	6	H12715-00 P
Lens, Cluster Assembly	13	H79381-00 P
Plate, Placard Engine Control	108	H65846-00 7 P
	110	H69669-45 5 P
Shield, Flap Handle Cover	42	H65672-05 P
Trim, Windshield	159	H67556-04 P

1 Add -B for black or -W for white
2 Models PA-28-151 and PA-28-161 only
3 Models PA-28-151 PA-28-161 and PA-28-201T only
4 Model PA-28-181 only
5 Model PA-28-201T only
6 Models PA-28-181 and PA-28-201T only
7 Models PA-28-151 PA-28-161 and PA-28-181 only
8 Models PA-28-161, PA-28-181 and PA-28-201T only

PA-28-235, PA-28-236

Description	Fig	Part Number
Armrest, LH	1	H65238-10 1 2 P
Armrest, RH	2	H65238-11 1 2 P
Battery Box Cover	4	H35201-00 P
Blade, Sun Visor	126	H65866-00 P
Cap, Assist Strap	3	H79456-00 P
Compass Housing Assembly	14	H79600-00 P
Console, Overhead	19	H99500-06 P
Cover, Console	16	H67330-10 P
Cover, Door Trim, Upper	20	H79542-04 P
Cover, Drain	23	H35507-02 3 P
Cover, Elt Switch	25	H79463 P
Cover, Engine Control	26	H67232-40-41 P
Cover, Flap Handle	31	60-65224-80A 2 T
	32	60-67785-17-80A 2 T
	35	H65224-07 2 P
	37	H67785-17 P
Cover, Fuel Selector	50	H69652-12 P
	52	H99635-09 3 P
Cover, Instrument Panel, LH	59	H67228-09 P
Cover, Instr. Panel, Lower, LH	69	H66918-16 2 P
	71	H66918-20 3 P
Cover, Instrument Panel, RH	62	H67229-06 P
Cover, Instr. Panel, Upper RH	86	H99959-05 P
Cover, Instr. Panel, Upper, LH	80	H36567-05 3 P
	83	H79044-06 P
Cover, Quick Drain	24	H65461-19 2 P
Cover, Radio Cooling	114	H79404-00 P
Cover, Rudder Pedal Stop Brack	165	P78735-02 3 P
Cover, Seat Back	120	H78041 1 P
Cover, Shoulder Harness, LH	122	H78054-02 P
Cover, Shoulder Harness, RH	123	H99801-02 P
Cover, Shoulder Hrns, Rear, LH	N/A	P99920-02 P
Cover, Shoulder Hrns, Rear, RH	N/A	P99920-03 P
Cover, Transponder Antenna	N/A	P99991-00 2 P
Cover, Trim	94	H65674-15 P
Cover, Window Frame, Cent. LH	134	H79171-11 P
Cover, Window Frame, Cent. LH	168	P99904-05 2 P
Cover, Window Frame, Cent. RH	135	H79171-08 P
Cover, Window Frame, Front LH	137	H79171-14 P
Cover, Window Frame, Rear LH	138	H79171-10 P
Cover, Window Frame, Rear RH	139	H79171-09 P
Cover, Window, RH	142	H79171-02 2 P
Cover, Windshield Bow, Low. RH	145	H79171-13 P
Cover, Windshield Bow, Up. LH	146	H63149-20 2
Cover, Windshield Bow, Up. RH	147	H63149-21 P
Cover, Windshield, Upper LH	152	H63149-12 2 P
	153	H63149-16 2 P
Cover, Windshield, Upper RH	154	H63149-13 2 P
	155	H63149-17 2 P
Cover, Wing Bolt, LH	160	H63942-00 P
Cover, Wing Bolt, RH	161	H63942-01 P
Cup, Air Vent	101	H65735C 1 P
	100	H68736-00 5
Door Assembly, Rear Bulkhead	167	P79445-00 1 P
Door, Glove Box	54	H20596-00 2 P
Duct, Bulkhead Vent	132	H76308-00 P
Duct, Center Vent P/N H76307-00 w/o recess P/N H76307-07 w/recess	9	H76307-00 P
	9	H76307-07 P
	10	H79855-02 3 P
	12	H99541-02 3 P
Duct, Heat	56	H36511 P

Eligibility continues on next column

Eligibility continued from previous column

Description	Fig	Part Number
Evaporator Filter	29	H99550-02 3 P
Flange, Air Vent	102	H65735F 1 P
Grip, Handhold	55	H67235-00 2 P
Inertia Reel, LH	124	H67762-13 2 P
Inertia Reel, RH	125	H67762-12 2 P
Lens, Cabin Light	6	H12715-00 P
Interconnect, Ventilation Bulk	166	P79192-00 P
Lens, Cluster Assembly	13	H79381-00 P
Panel Assembly	103	H63428-06 2 P
Panel, Door Latch	22	H79542-05 1 2 P
Plate, Placard Engine Control	108	H65846-00 2 P
	110	H69669-45 P
Seat Back, RH	121	H78041-08 1 2 P
Shield, Flap Handle Cover	41	H62827-07 2 P
	42	H65672-05 P
Trim, Floor	112	60-18 4 T
Trim Strip, Window Post, LH	143	H63125-04 2 P
Trim Strip, Window Post, RH	144	H63126-04 2 P
Trim, Windshield	159	H67556-04 P

1 Add -B for black or -W for white
2 Model PA-28-235 only
3 Model PA-28-236 only
4 Model PA-28-235, S/N 28-10003 thru 28-10719

PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T

Description	Fig	Part Number
Battery Box Cover	4	H35201-00 P
Blade, Sun Visor	126	H65866-00 P
Cap, Assist Strap	3	H79456-00 P
Compass Housing Assembly	14	H79600-00 P
Console, Overhead	19	H99500-06 P
Cover, Console	16	H67330-10 P
Cover, Door Trim, Upper	20	H79542-04 P
Cover, Drain	23	H35507-02 P
Cover, Elt Switch	25	H79463 P
Cover, Engine Control	26	H67232-40-41 P
Cover, Exhaust Vent	136	H99252-10 P
Cover, Flap Handle	36	H67593-09 2 P
	38	H67917-06 P
Cover, Fuel Selector	49	H35773-02 7 P
	52	H99635-09 6 P
Cover, Instrument Panel, LH	59	H67228-09 8 P
Cover, Instr. Panel, Lower, LH	72	H66983-12 2 P
	73	H67920-14 P
Cover, Instr. Panel, Lower RH	76	H79527-02 P
Cover, Instrument Panel, RH	62	H67229-06 3 P
Cover, Instr. Panel, Upper RH	85	H99959-04 5 P
	86	H99959-05 9 P
Cover, Instr. Panel, Upper, LH	80	H36567-05 10 P
	83	H79044-06 4 P
Cover, LH	91	H67313-02 2 P
Cover, RH	92	H67314-02 2 P
Cover, Radio Cooling	116	H79404-00 P
Cover, Rudder Pedal Stop Brack	165	P78735-02 12 P
Cover, Seat Back	120	H78041 1 P
Cover, Shoulder Harness, LH	122	H78054-02 P
Cover, Shoulder Harness, RH	123	H99801-02 P
Cover, Shoulder Hrns, Rear, LH	169	P99920-02 P
Cover, Shoulder Hrns, Rear, RH	170	P99920-03 P
Cover, Transponder Antenna	N/A	P99991-00 2 P
Cover, Trim	94	H65674-15 P
Cover, Window Frame, Cent. LH	134	H79171-11 P
	168	P99904-05 2 P
Cover, Window Frame, Cent. RH	135	H79171-08 P
Cover, Window Frame, Front LH	137	H79171-14 P
Cover, Window Frame, Rear LH	138	H79171-10 P
Cover, Window Frame, Rear RH	139	H79171-09 P
Cover, Window, Rear LH	140	H67311-02 2 P
Cover, Window, Rear RH	141	H67312-02 2 P
Cover, Window, RH	142	H79171-02 5 P
Cover, Windshield Bow, Low. RH	145	H79171-13 11 P
Cover, Windshield Bow, Up. LH	146	H63149-20 P
Cover, Windshield Bow, Up. RH	147	H63149-21 P
Cover, Windshield, Upper LH	152	H63149-12 2 P
	153	H63149-16 2 P
Cover, Windshield, Upper RH	154	H63149-13 2 P
	155	H63149-17 2 P
Cover, Wing Bolt, LH	160	H63942-00 P
Cover, Wing Bolt, RH	161	H63942-01 P
Cup, Air Vent	101	H65735C 1 P
	100	H68736-00 2 P
Door Assembly, Rear Bulkhead	167	P79445-00 1 P
Duct, Bulkhead Vent	131	H76305-00 P
Duct, Center Vent P/N H76307-00 w/o recess P/N H76307-07 w/recess	9	H76307-00 P
	9	H76307-07 P
	12	H99541-02 P

Eligibility continues on next column

Eligibility continued from previous column

Description	Fig	Part Number
Duct, Fresh Air	46	H76494-02 10 P
	47	H76494-04 12 P
Duct, Heat	56	H36511 P
Evaporator Filter	29	H99550-02 P
Flange, Air Vent	102	H65735F 1 P
Grip, Handhold	55	H67235-00 2 P
Interconnect, Ventilation Bulk	166	P79192-00 13 P
Lens, Cabin Light	6	H12715-00 P
Lens, Cluster Assembly	13	H79381-00 13 P
Panel Assembly	107	H99222-04 2 P
Panel, Door Latch	22	H79542-05 1 2 P
Plate, Placard Engine Control	110	H69669-45 P
Seat Back, RH	121	H78041-08 1 2 P
Shield, Flap Handle Cover	42	H65672-05 P
Trim Strip, Window Post, LH	143	H63125-04 2 P
Trim Strip, Window Post, RH	144	H63126-04 2 P
Trim Strip, Windshield, LH	156	H63149-14 2 P
Trim Strip, Windshield, RH	157	H63149-15 2 P
Trim, Windshield	159	H67556-04 P

1 Add -B for black or -W for white
2 Model PA-28R-200 only
3 Model PA-28R-200 and PA-28R-201 only
4 Models PA-28R-200 and PA-28RT-201 only
5 Models PA-28R-200, PA-28R-201 and PA-28R-201T only
6 All models except PA-28RT-201T
7 Models PA-28R-201T and PA-28RT-201T only
8 Models PA-28R-200 and PA-28RT-201T only
9 Models PA-28R-200, PA-28RT-201 and PA-28RT-201T only
10 Models PA-28RT-201 and PA-28RT-201T only
11 All models except PA-28RT-201
12 Models PA-28R-201, PA-28R-201T and PA-28RT-201T only
13 All models except PA-28R-200

PA-30, PA-39

Description	Fig	Part Number
Box Assembly, Cabin Air Outlet	N/A	P25574-00 1 P
Molding Assembly, Front Window	N/A	P25416-00 1 P
Molding, Cabin Door Window	162	P23314-06 P
Molding, Front Window, LH	N/A	P25418-00 1 P
Molding, Front Window, RH	158	P23308-06 P
Molding, Rear Window, LH	N/A	P25417-00 1 P
Panel Assembly	N/A	P22452-00 1 P

1 Model PA-30 Only

PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-301, PA-32R-301T, PA-32RT-300, PA-32RT-300T

Description	Fig	Part Number
Battery Box Cover	4	H35201-00 15 P
Blade, Sun Visor	127	H65866-02 P
Cap, Assist Strap	3	H79456-00 P
Channel, Seat Trim, Center LH	116	H68091-14 P
Channel, Seat Trim, Center RH	117	H68091-15 P
Channel, Seat Trim, Rear LH	118	H68090-16 P
Channel, Seat Trim, Rear RH	119	H68090-17 P
Compass Housing Assembly	14	H79600-00 P
Cover, Aft Trim	89	H36551-03 5 P
Cover, Glove Box	N/A	P69330-03 18 P
Cover, Cargo Door Upper	164	P69859-07 P
Cover, Console	17	H69654-19 P
Cover, Door Trim, Upper	20	H79542-04 P
	21	H79542-16 P
Cover, Elt Switch	25	H79463 7 P
Cover, Engine Control	27	H69344-28 P
Cover, Flap Handle	33	60-69596-80A 6 T
	34	H38178-02 13 P
	39	H69596-14 6 P
Cover, Forward Trim	90	H36551-02 5 P
Cover, Fuel Selector	50	H69652-12 P
Cover, Glove Box	53	H69330-04 17 P
Cover, Instr. Panel, Lower, LH	66	H69817-00 6 P
	67	H69817-03 13 P
Cover, Instr. Panel, Lower RH	75	H69901-02 P
Cover, Instrument Panel, RH	63	H69831-05 8 P
Cover, Instr. Panel, Upper RH	84	H69659-00 P
Cover, Instr. Panel, Upper, LH	81	H69661-00 4 P
Cover, Quick Drain	24	H65461-19 14 P
Cover, Radio Cooling	114	H79404-00 P
Cover, Rudder Pedal Stop Brack	165	P78735-02 3 P
Cover, Seat Back	120	H78041 1 P
Cover, Shoulder Harness, LH	N/A	H78054-02 P
Cover, Shoulder Harness, RH	123	H99801-02 P
Cover, Switch Plate	129	H69976-03 P
	130	H79182-02 P
Cover, Transponder Antenna	N/A	P99991-00 2 P
Cover, Terminal Strip	N/A	P79205-00 19 P
Cover, Trim	94	H65674-15 4 P
Cover, Window Frame, Front LH	136	H78349-17 P

Eligibility continues on next page

Manufacturer/Material: P Premier Aerospace Services and Technology/PVC/Acrylic T Texas Aeroplastics/ABS Plastic Parts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Piper eligibility continued from previous page

Eligibility continued from previous page			
Description	**Fig**	**Part Number**	
Cover, Window, RH	142	H79171-02	4 P
Cover, Window Trim, Rear RH	N/A	P78349-11	P
Cover, Windshield Bow, Aft	163	P68732-02	2 P
Cover, Windshield Trim, LH	148	H63149-22	P
	150	H68688-04	4 P
Cover, Windshield Trim, RH	149	H63149-23	P
	151	H68688-05	4 P
Cover, Wing Bolt, LH	160	H63942-00	P
Cover, Wing Bolt, RH	161	H63942-01	P
Cup, Air Vent	101	H65735C	1 P
Door Assembly, Rear Bulkhead	167	P79445-00	1 P
Duct, Center Air	7	H69751-06	8 20 P
	8	H69991-02	9 P
Duct, Forward Air	43	H69749-04	4 P
	44	H69750-00	10 P
	45	H69990-02	9 P
Duct, Oxygen Gauge	113	H69991-07	16 P
Evaporator Filter	29	H99550-02	3 P
Flange, Air Vent	102	H65735F	1 P
Grip, Handhold	55	H67235-00	2 P
Interconnect, Ventilation Bulk	166	P79192-00	21 P
Lens, Cabin Light	6	H12715-00	5 P
Panel Assembly	105	H69746-13	11 P
	106	H69989-03	12 P
Panel, Door Latch	22	H79542-05	1 17 P
Panel, Overhead, Rear	N/A	P68445-02	2 P
Plate, Placard Engine Control	109	H69669-44	P
Seat Back, RH	121	H78041-08	1 4 P
Shield, Flap Handle Cover	41	H62827-07	P
Support, Compass	15	H69676-00	2 P

1 Add -B for black or -W for white
2 Models PA-32-260 and PA-32-300 only
3 Includes all models except PA-32-260
4 Models PA-32-260, PA-32-300 and PA-32R-300 only
21 Models PA-32-260, PA-32-300 and PA-32RT-300 only
5 Models PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32RT-300 and PA-32RT-300T only
6 Models PA-32-260, PA-32-300, PA-32-301, PA-32-301T and PA-32R-300 only
7 Models PA-32-260, PA-32-300, PA-32R-300, PA-32R-301, PA-32R-301T and PA-32RT-300T only
8 Models PA-32-260, PA-32-300, PA-32R-300, PA-32RT-300 and PA-32RT-300T only
9 Models PA-32-300, PA-32-301, PA-32-301T, PA-32R-301, PA-32R-301T and PA-32RT-300T only
10 Models PA-32-300, PA-32R-300, PA-32RT-300 and PA-32RT-300T only
11 Models PA-32-300, PA-32R-300, and PA-32RT-300T only
12 Models PA-32-300, PA-32R-300, -301, PA-32-301T, PA-32R-301, PA-32R-301T and PA-32RT-300T only
13 Models PA-32R-300, PA-32R-301, PA-32R-301T, PA-32RT-300 and PA-32RT-300T only
14 Models PA-32-300, PA-32-301, 301T, PA-32R-301, PA-32R-301T, PA-32RT-300 and PA-32RT-300T only
15 Model PA-32-301T only
16 Model PA-32-301T, PA-32R-301 and PA-32R-301T only
17 Models PA-32-301, PA-32-301T, PA-32R-301, PA-32R-301T, PA-32RT-300 and PA-32RT-300T only
18 Includes all models except PA-32R-300
19 Models PA-32-301T, PA-32R-301, PA-32R-301T, PA-32R-300 and PA-32RT-300T only
20 Add -S for standard seating and -C for club seating

PA-34-200, PA-34-200T, PA-34-220T

Description	Fig	Part Number	
Blade, Sun Visor	127	H65866-02	P
Cap, Assist Strap	3	H79456-00	P
Channel, Seat Trim, Center LH	116	H68091-14	P
Channel, Seat Trim, Center RH	117	H68091-15	P
Channel, Seat Trim, Rear LH	118	H68090-16	P
Channel, Seat Trim, Rear RH	119	H68090-17	P
Compass Housing Assembly	14	H79600-00	5 P

Eligibility continues on next column

Eligibility continued from previous column			
Description	**Fig**	**Part Number**	
Cover, Aft Trim	89	H36551-03	P
Cover Assy, Electric Bus	N/A	P96525-00	P
Cover Assy Pitot Pressure Pump	N/A	P96842-02	5 P
Cover, Cargo Door Upper	164	P69859-07	3 P
Cover, Door Trim, Upper	20	H79542-04	5 P
	21	H79542-16	3 P
Cover, Elt Switch	25	H79463	P
Cover, Engine Control	28	H95808-08	3 P
Cover, Flap Handle	40	H96555-07	P
Cover, Fuel Selector	51	H78320-13	P
Cover, Glove Box	53	H69330-04	P
	N/A	P69330-03	P
Cover, Hydraulic Lines	N/A	P96998-00	5 P
Cover, Mag Switch	87	H96730-00	5 P
Cover, Instrument Panel, LH	61	H95919-00	2 P
Cover, Instr. Panel, Lower, LH	65	H37369-00	3 P
Cover, Instr. Panel, Lower RH	74	H37371-00	3 P
	78	H95284-08	2 P
Cover, Instrument Panel, RH	64	H95920-00	2 P
Cover, Instr. Panel, Upper RH	84	H69659-00	5 P
Cover, Instr. Panel, Upper, LH	82	H69816-03	3 P
Cover, Quick Drain	24	H65461-19	P
Cover, Radio Cooling	114	H79404-00	3 P
Cover, Seat Back	120	H78041	1 P
Cover, Selector Valve Lever	N/A	P96046-00	2 P
Cover, Shoulder Harness, LH	122	H78054-02	P
Cover, Shoulder Harness, RH	123	H99801-02	P
Cover, Starter Solenoid	N/A	P96600-00	P
Cover, Terminal Strip	N/A	P79205-00	3 P
Cover, Terminal Strip, Aft	N/A	P95213-00	P
Cover, Trim	94	H66615-14	4 P
Cover, Trim, LH	97	H95893-20	P
Cover, Trim, RH	99	H95893-21	P
Cover, Trim, Spar Box/Fuel Ln LH	N/A	P78132-00	5 P
Cover, Window Frame, Front LH	136	H78349-17	5 P
Cover, Window, RH	142	H79171-02	5 P
Cover, Window Trim Rear, RH	N/A	P78349-11	3 P
Cover, Windshield Bow, Aft	N/A	P96046-00	2 P
Cover, Windshield Trim, LH	148	H63149-22	5 P
	150	H68688-04	5 P
Cover, Windshield Trim, RH	149	H63149-23	5 P
	151	H68688-05	5 P
Cover, Wing Bolt, LH	160	H63942-00	P
Cover, Wing Bolt, RH	161	H63942-01	P
Cup, Air Vent	101	H65735C	1 P
Deck, Electrical Equip. LH	N/A	P96463-00	P
Deck, Electrical Equip. RH	N/A	P96464-00	P
Door Assembly, Rear Bulkhead	167	P79445-00	1 P
Duct, Center Air	7	H69751-06	3 7 P
	8	H69991-02	6 P
Duct, Forward Air	43	H69749-04	3 P
	44	H69750-00	3 P
	45	H69990-02	6 P
Duct, Oxygen Gauge	113	H69991-07	6 P
Evaporator Filter	29	H99550-02	6 P
Fitting Assembly, Air	N/A	P78609-00	P
Grip, Handhold	55	H67235-00	2 P
Interconnect, Ventilation Bulk	166	P79192-00	5 P
Lens, Cabin Light	6	H12715-00	P
Lens, Cluster Assembly	13	H79381-00	3 P
Panel Assembly	105	H69746-13	5 P
	106	H69989-03	3 P
Panel, Baggage Cmpt, Lower LH	N/A	P96285-00	P
Panel, Baggage Cmpt, Upper LH	N/A	P96284-00	5 P
Panel, Baggage Cmpt, RH	N/A	P96803-00	5 P
Panel, Door Latch	22	H79542-05	1 3 P
Panel, Hydlc. Pump Protector	N/A	P96502-00	P
Panel, Overhead, Rear	N/A	P68445-02	2 P
Panel, Switch	128	H96954-03	5 P

Eligibility continues on next column

Eligibility continued from previous column			
Description	**Fig**	**Part Number**	
Plate, Placard Engine Control	111	H95804-02	P
Seat Back, RH	121	H78041-08	1 5 P
Support, Compass	15	H69676-00	5 P

1 Add -B for black or -W for white
2 Model PA-34-200 only
3 Model PA-34-200T only
4 Model PA-34-220T only
5 Models PA-34-200 and PA-34-200T only
6 Models PA-34-200T and PA-34-220T only
7 Add -S for standard seating and -C for club seating

PA-38-112

Description	Fig	Part Number	
Cover Assy., Console, Forward	N/A	P77733-302	P
Cover Assy., Trim Control Wheel	N/A	P77733-21	P
Cover, Control Quadrant	N/A	P77773-02	P
Cover-Seat Back Trim	N/A	P77752-02	P
Housing Assembly Compass	N/A	P77760-02	P
Panel Assy., Trim, Lower Aft	N/A	P77725-21	P
Panel Assy., Trim, Frnt Side LH	N/A	P77725-04	P
Panel Assy., Trim, Frnt Side RH	N/A	P77725-03	P
Panel, Trim, Lower Door, LH	N/A	P77500-08	P
Panel, Trim, Upper Door	N/A	P77500-10	P
Panel, Trim, Up. Dr. Frame, LH	N/A	P77725-26	P
Panel, Trim, Tunnel Side, RH	N/A	P77766-05	P

PA-44-180, PA-44-180T

Description	Fig	Part Number	
Blade, Sun Visor	127	H65866-02	P
Cap, Assist Strap	3	H79456-00	P
Compass Housing Assembly	14	H79600-00	P
Console, Overhead	19	H99500-06	P
Cover, Window Frame Front LH	88	H86733-06	P
Cover, Door Trim, Upper	20	H79542-04	P
Cover, Drain	23	H35507-02	P
Cover, Elt Switch	25	H79463	P
Cover, Engine Control	28	H95808-08	P
Cover, Exhaust Vent	133	H99252-10	2 P
Cover, Instr. Panel, Lower, LH	68	H86740-02	P
Cover, Instr. Panel, Lower RH	77	H86741-03	P
Cover, Instr. Panel, Upper RH	86	H99959-05	P
Cover, Instr. Panel, Upper, LH	80	H36567-05	P
	83	H79044-06	P
Cover, Radio Cooling	114	H79404-00	P
Cover, Rudder Pedal Stop Brack	165	P78735-02	P
Cover, Seat Back	120	H78041	1 P
Cover, Shoulder Harness, LH	122	H78054-02	2 P
Cover, Shoulder Harness, RH	123	H99801-02	2 P
Cover, Shoulder Hrns, Rear,LH	169	P99920-02	P
Cover, Shoulder Hrns, Rear, RH	170	P99920-03	P
Cover, Trim	96	H86781-02	P
Cover, Trim, LH	97	H86775-04H	P
Cover, Trim, RH	99	H86775-05H	P
Cover, Window Frame, Cent. LH	N/A	P86733-04	P
Cover, Windshield Bow, Up., LH	146	H63149-20	P
Cover, Windshield Bow, Up., RH	147	H63149-21	P
Cover, Wing Bolt, LH	160	H63942-00	P
Cover, Wing Bolt, RH	161	H63942-01	P
Cup, Air Vent	101	H65735C	1 P
Door Assembly, Rear Bulkhead	167	P79445-00	1 P
Duct, Bulkhead Vent	131	H76305-00	P
Duct, Center Vent	9	H76307-00	3 P
	9	H76307-07	3 P
Duct, Fresh Air	46	H76494-02	P
	47	H76494-04	P
Interconnect, Ventilation Bulk	166	P79192-00	2 P
Lens, Cabin Light	6	H12715-00	P
Lens, Cluster Assembly	13	H79381-00	P
Plate, Placard Engine Control	111	H95804-02	P
Trim, Windshield	159	H67556-04	P

1 Add -B for black or -W for white
2 Model PA-44-180 only
3 P/N H76307-00 w/o recess, P/N H76307-07 w/recess
Manufacturer/Material: P Premier/PVC/Acrylic

Piper Interior Plastic images continue on next page

Photos are not to scale or relative to each other

1

H65238-10
Armrest LH

2

H65238-11
Armrest RH

3

H79456-00
Cap, Assist Strap

4

H35201-00
Battery Box Cover

5

H35498-00
Flange, Bulkhead

6

H12715-00
Cabin Light Lens

7

H69751-06
Center Air Duct

8

H69991-02
Center Air Duct

Piper Interior Plastic images continued from previous page

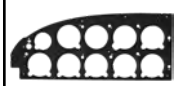
Photos are not to scale or relative to each other

9	10	11	12	13	14	15	16
							
H76307-00 Duct, Center Vent	**H79855-02** Duct, Center Vent w/o Recess	**H99541-00** Duct, Center Vent w/o Recess	**H99541-02** Duct, Center Vent w/ Recess	**H79381-00** Cluster Assy Lens	**H79600-00** Compass Housing Assy	**H69676-00** Compass Support	**H67330-10** Console Cover
17	**18**	**19**	**20**	**21**	**22**	**23**	**24**
							
H69654-19 Console Cover	**H76496-02** Console, Overhead	**H99500-06** Console, Overhead	**H79542-04** Cover, Trim, Upper	**H79542-16** Cover, Trim, Upper	**H79542-05** Panel, Latch	**H35507-02** Drain Cover	**H65461-19** Cover Quick Drain
25	**26**	**27**	**28**	**29**	**30**	**31**	**32**
							
H79463 ELT Swtich Cover	**H67232-40-41** Engine Cover	**H69344-28** Engine Cover	**H95808-08** Engine Cover	**H99550-02** Evaporator Filter	**H99550-03** Evaporator Filter	**60-65224-80A** Flap Handle Cover	**60-67785-17-80A** Flap Handle Cover
33	**34**	**35**	**36**	**37**	**38**	**39**	**40**
							
60-69596-80A Flap Handle Cover	**H38178-02** Flap Handle Cover	**H65224-07** Flap Handle Cover	**H67593-09** Flap Handle Cover	**H67785-17** Flap Handle Cover	**H67917-06** Flap Handle Cover	**H69596-14** Flap Handle Cover	**H96555-07** Forward Air Cover
41	**42**	**43**	**44**	**45**	**46**	**47**	**48**
							
H62827-07 Shield, Cover	**H65672-05** Shield, Cover	**H69749-04** Fresh Air Duct	**H69750-00** Fresh Air Duct	**H69990-02** Fresh Air Duct	**H76494-02** Fresh Air Duct	**H76494-04** Fresh Air Duct	**H79186-08** Fresh Air Duct
49	**50**	**51**	**52**	**53**	**54**	**55**	**56**
H35773-02 Fuel Selector Cover	**H69652-12** Fuel Selector Cover	**H78320-13** Fuel Selector Cover	**H99635-09** Fuel Selector Cover	**H69330-04** Glove Box Cover	**H20596-00** Glove Box Cover	**H67235-00** Handhold Grip	**H36511** Heat Duct
57	**58**	**59**	**60**	**61**	**62**	**63**	**64**
H65891 Panel Cover	**H67228-04** Panel Cover, LH	**H67228-09** Panel Cover, LH	**H69338-02** Panel Cover, LH	**H95919-00** Panel Cover, LH	**H67229-06** Panel Cover, RH	**H69831-05** Panel Cover, RH	**H95920-00** Panel Cover, RH
65	**66**	**67**	**68**	**69**	**70**	**71**	**72**
H37369-00 Panel Cover, Lower LH	**H69817-00** Panel Cover, Lower LH	**H69817-03** Panel Cover, Lower LH	**H86740-02** Panel Cover, Lower LH	**H66918-16** Panel Cover, Lower LH	**H66918-18** Panel Cover, Lower LH	**H66918-20** Panel Cover, Lower LH	**H66983-12** Panel Cover, Lower LH

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Piper Interior Plastic images continued from previous page

Photos are not to scale or relative to each other

73  **H67920-14** Panel Cover, Lower LH	**74**  **H37371-00** Panel Cover, Lower RH	**75**  **H69901-02** Panel Cover, Lower RH	**76**  **H79527-02** Panel Cover, Lower RH	**77**  **H86741-03** Panel Cover, Lower RH	**78**  **H95284-08** Panel Cover, Lower RH	**79**  **H67227-12** Panel Cover, Upper	**80**  **H36567-05** Panel Cover, Upper LH
81  **H69661-00** Panel Cover, Upper LH	**82**  **H69816-03** Panel Cover, Upper LH	**83**  **H79044-06** Panel Cover, Upper LH	**84**  **H69659-00** Panel Cover, Upper RH	**85**  **H99959-04** Panel Cover, Upper RH	**86**  **H99959-05** Panel Cover, Upper RH	**87**  **H96730-00** Cover, Mag Switch	**88**  **H86733-06** Window Frame Front Cover LH
89  **H36551-03** Cover, Aft Trim	**90**  **H36551-02** Cover, Forward Trim	**91**  **H67313-02** Cover, LH	**92**  **H67314-02** Cover, RH	**93**  **H65674-15** Cover, Trim	**94**  **H66615-14** Cover, Trim	**95**  **H86781-02** Cover, Trim	**96**  **H86775-04H** Cover, Trim LH
97  **H95893-20** Cover, Trim LH	**98**  **H86775-05H** Cover, Trim RH	**99**  **H95893-21** Cover, Trim RH	**100**  **H68736-00** Cup	**101**  **H65735C** Cup	**102**  **H65735F** Air Vent Flange	**103**  **H63428-06** Panel Assembly	**104**  **H63428-09** Panel Assembly
105  **H69746-13** Panel Assembly	**106**  **H69989-03** Panel Assembly	**107**  **H99222-04** Panel Assembly	**108**  **H65846-00** Placard, Plate Engine	**109**  **H69669-44** Plate	**110**  **H69669-45** Plate	**111**  **H95804-02** Plate	**112**  **60-18** Trim, Floor
113 **H69991-07** Oxygen Duct	**114** **H79404-00** Cover, Radio Cooling	**115** **H63295-05** Rudder Trim Cover	**116** **H68091-14** Channel, Trim, Center LH	**117** **H68091-15** Channel, Trim, Center RH	**118** **H68090-16** Channel, Trim, Rear LH	**119** **H68090-17** Channel, Trim, Rear RH	**120** **H78041** Cover, Seat Back
121 **H78041-08** Seat Back, RH	**122** **H78054-02** Shoulder Harness Cover, LH	**123** **H99801-02** Shoulder Harness Cover, RH	**124** **H67762-13** Inertia Reel, LH	**125** **H67762-12** Inertia Reel, RH	**126** **H65866-00** Sun Visor Blade	**127** **H65866-02** Sun Visor Blade	**128** **H96954-03** Panel, Switch
129 **H69976-03** Switch Plate Cover	**130** **H79182-02** Switch Plate Cover	**131** **H76305-00** Bulkhead Vent Duct	**132** **H76308-00** Bulkhead Vent Duct	**133** **H99252-10** Exhaust Vent Cover	**134** **H79171-11** Window Cover, Frame Center LH	**135** **H79171-08** Window Cover, Frame Center RH	**136** **H78349-17** Window Cover, Frame Front LH

Piper Interior Plastic images continued from previous page.

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137

H79171-14
Window Cover, Frame Front LH

138

H79171-10
Window Cover, Frame Rear LH

139

H79171-09
Window Cover, Frame Rear RH

140

H67311-02
Window Cover, Rear LH

141

H67312-02
Window Cover, Rear RH

142

H79171-02
Window Cover, RH

143

H63125-04
Window Trim Strip, Post LH

144

H63126-04
Window Trim Strip Post RH

145

H79171-13
Windshield Cover, Bow Lower RH

146

H63149-20
Windshield Cover, Bow Upper LH

147

H63149-21
Windshield Cover, Bow Upper RH

148

H63149-22
Windshield Cover, Trim LH

149

H63149-23
Windshield Cover, Trim RH

150

H68688-04
Windshield Cover, Trim LH

151

H68688-05
Windshield Cover, Trim RH

152

H63149-12
Windshield Cover, Upper LH

153

H63149-16
Windshield Cover, Upper LH

154

H63149-13
Windshield Cover, Upper RH

155

H63149-17
Windshield Cover, Upper RH

156

H63149-14
Windshield Trim Strip LH

157

H63149-15
Windshield Trim Strip RH

158

P23308-06
Molding, Front Window RH

159

H67556-04
Windshield Trim

160

H63942-00
Windshield Cover, LH

161

H63942-01
Wing Bolt Cover, RH

162

P23314-06
Molding Cabin Door Window

163

P68732-02
Windshield Bow Cover Aft

164

P69859-07
Cargo Door Cover, Upper

165

P78735-02
Rudder Pedal Stop Cover

166

P79192-00
Interconnect Vent Bulkhead

167

P79445-00
Door Assy, Rear Bulkhead

168

P99904-05
Window Frame Cover Cntr LH

169

P99920-02
Shoulder Harness Cover Rear LH

170

P99920-03
Shoulder Harness Cover Rear RH

Manufacturer/Material: P Premier Aerospace Services and Technology/PVC/Acrylic T Texas Aeroplastics/ABS Plastic Parts



All parts for Piper aircraft marked with note 1 are available in either black or white. Add -B for black or -W for white.

Add -B for black where note 1 is applicable



Add -W for white where note 1 is applicable



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov





Eligibility for Beechcraft Aircraft

1900
S/N UA-2 thru UA-3

Description	Fig	Part Number
Cover	N/A	P114-361043-3
Cover Assembly, Electric	N/A	P114-361055-5
Door, Oxygen	N/A	P114-530057-5
Escutcheon, Glareshield, LH	N/A	P101-530461-1
Escutcheon, Upper Aft	N/A	P114-530085-8
Moisture Shield		P114-320066-3

1900C
UB-1 thru UB-74, UC-1 thru UC-174, (C-12J) UD-1 thru UD-6

Description	Fig	Part Number
Cover	N/A	P114-530031-197
Cover	N/A	P114-361043-3
Cover	N/A	P129-530066-11
Cover	N/A	P129-530066-11
Cover	N/A	P129-530114-15
Cover Assembly, Electric	N/A	P114-361055-5
Door, Oxygen	N/A	P114-530057-5
Escutcheon, Ash Tray	N/A	P101-530156-19
Escutcheon, Glareshield, LH	N/A	P101-530461-1
Escutcheon, Upper Aft	N/A	P114-530085-8
Escutcheon, Upper Forward	N/A	P114-530085-7
Moisture Shield	N/A	P114-320066-3
Panel, Lower, LH	N/A	P129-530104-19

1900D
UE-1 thru UE-439

Description	Fig	Part Number
Cover	N/A	P114-361043-3
Cover	N/A	P129-530066-31
Cover	N/A	P129-530072-5
Cover, Cap Strip Intersection	N/A	P129-530071-5
Cover, Door Handle	N/A	P129-530038-17
Cover, Forward	N/A	P129-530038-13
Cover, Forward Cable	N/A	P129-530066-37
Escutcheon, Glareshield, LH	N/A	P101-530461-1
Moisture Shield	N/A	P114-320066-3

58
TH-1 thru TH-2124

Description	Fig	Part Number
Cover, Escape Hatch	N/A	P106-530050-1
Escutcheon, Armrest, Co-Pilot	N/A	P106-530079-6
Escutcheon, Inertia Reel	N/A	P106-530074-1
Escutcheon, Overhead	1	P106-530042-1
Molding, Cabin Door	2	P58-530222-43 1
Molding, Cabin Door	N/A	P106-530075-3
Molding, Window, Forward, LH	N/A	P106-530065-21
Molding, Window, Forward, RH	N/A	P106-530065-245 1
Molding, Window, Utility Door	N/A	P106-530065-47
Molding, Windshield, Upper	N/A	P58-530165-7
Panel	N/A	P106-530035-9

Notes: 1 Add -LB for light beige or -LG for light gray

60
P-4 thru P-126 Except P-123

Description	Fig	Part Number
ESCUTCHEON, Armrest, LH	N/A	P60-530381-1-LB
ESCUTCHEON, Armrest, RH	N/A	P60-530381-2-LB

95-55, 95-A55

Description	Fig	Part Number
Molding, Window, Aft, LH	N/A	P96-430010-71-LB
Molding, Window, Aft, RH	N/A	P96-430010-72-LB

95-B55

Description	Fig	Part Number
Cover, Escape Hatch	N/A	P106-530050-1
Escutcheon, Inertia Reel	N/A	P106-530074-1
Escutcheon, Overhead	N/A	P106-530050-1-LB
Molding, Cabin Door, Upper	1	P106-530042-1
Molding, Window, Aft, LH	N/A	P96-430010-71-LB

Eligibility continues in next column

Eligibility continued from previous column

Molding, Window, Aft, RH	N/A	P96-430010-2-LB
Molding, Windshield, Upper	N/A	P58-530165-7
Panel	N/A	P106-530035-9

95-C55

Description	Fig	Part Number
Molding, Window, Aft, LH	N/A	P96-430010-71
Molding, Window, Aft, RH	N/A	P96-430010-72

A36, A36TC

Description	Fig	Part Number
Cover, Escape Hatch	N/A	P106-530050-1
Escutcheon, Armrest, Co-Pilot	N/A	P106-530079-6
Escutcheon, Inertia Reel	N/A	P106-530074-1
Escutcheon, Overhead	1	P106-530042-1
Molding, Cabin Door	2	P58-530222-43
Molding, Cabin Door	N/A	P106-530075-3
Molding, Window, Forward, LH	N/A	P106-530065-21
Molding, Window, Forward, RH	N/A	P106-530065-245 1
Molding, Window, Utility Door	N/A	P106-530065-47
Molding, Windshield, Upper	N/A	P58-530165-7
Panel	N/A	P106-530035-9

Notes: 1 Add -LB for light beige or -LG for light gray

56TC
TG-2 thru TG-83

Description	Fig	Part Number
Molding, Window, Aft, LH	N/A	P96-430010-71-LB
Molding, Window, Aft, RH	N/A	P96-430010-72-LB

A56TC

Description	Fig	Part Number
Molding, Window, Aft, LH	N/A	P96-430010-71
Molding, Window, Aft, RH	N/A	P96-430010-72

B36TC

Description	Fig	Part Number
Cover, Escape Hatch	N/A	P106-530050-1
Escutcheon, Armrest, Co-Pilot	N/A	P106-530079-6
Escutcheon, Inertia Reel	N/A	P106-530074-1
Escutcheon, Overhead	1	P106-530042-1
Molding, Cabin Door	2	P58-530222-43 1
Molding, Cabin Door	N/A	P106-530075-3
Molding, Window, Forward, LH	N/A	P106-530065-21
Molding, Window, Forward, RH	N/A	P106-530065-245 1
Molding, Window, Utility Door	N/A	P106-530065-47
Molding, Windshield, Upper	N/A	P58-530165-7
Panel	N/A	P106-530035-9

Notes: 1 Add -LB for light beige or -LG for light gray

D55

Description	Fig	Part Number
Molding, Window, Aft, LH	N/A	P96-430010-71
Molding, Window, Aft, RH	N/A	P96-430010-72

E55

Description	Fig	Part Number
Cover, Escape Hatch	N/A	P106-530050-1
Escutcheon, Inertia Reel	N/A	P106-530074-1
Escutcheon, Overhead	1	P106-530042-1
Molding, Cabin Door, Upper	N/A	P106-530075-3
Molding, Windshield, Upper	N/A	P58-530165-7
Panel	N/A	P106-530035-9

G36, G58

Description	Fig	Part Number
Cover, Escape Hatch	N/A	P106-530050-1
Escutcheon, Armrest, Co-Pilot	N/A	P106-530079-6
Escutcheon, Inertia Reel	N/A	P106-530074-1
Molding, Cabin Door	2	P58-530222-43 1
Molding, Cabin Door	N/A	P106-530075-3
Molding, Window, Forward, LH	N/A	P106-530065-21
Molding, Window, Forward, RH	N/A	P106-530065-245 1
Molding, Window, Utility Door	N/A	P106-530065-47
Molding, Windshield, Upper	N/A	P58-530165-7
Panel	N/A	P106-530035-9

Notes: 1 Add -LB for light beige or -LG for light gray

1



P106-53004-1
Escutcheon, Overhead

2



P58-530222-43
Molding, Cabin Door

More photos coming soon!

Eligibility for Mooney Aircraft

M20C,D,E,F,G
S/N All

Description	Fig	Part Number	
Console Assy, Headliner	N/A	P130160	6 P
Cover Assy, Circuit Breaker	N/A	P820061-503	4 P
	N/A	P820061-509	5 P
Cover Assy, Hat Rack	N/A	P130087	3 P
Cover Assy, Nose Wheel	N/A	P130103	1 P
Cover Assy, Front Lower	N/A	P130103-9	1 P
Cover, Hat Rack Strip	N/A	P130062-501	3 P
Cover, RH, Black	N/A	P130103-15	3 P
Cover, Vent Outlet	N/A	P640042-03	1 P
Door Assy	N/A	P820024-17	6 P
Headliner, Hat Rack	N/A	P130079-55	3 P
	N/A	P130187	6 P
Molding, Footwell LH	N/A	P130105-02	2 P
Molding, Footwell RH	N/A	P130105-01	2 P
Molding, Window, Rear RH	N/A	P130079-35	1 P
Molding, Windshield, RH	N/A	P130099-501	7 P
Panel Assy, Baggage Comp.	N/A	P130165	6 P
Panel Assy, Front LH	N/A	P130158-25	6 P
Panel Assy, Hat Rack, Aft	N/A	P130117	3 P
Panel Assy, Rear LH	N/A	P130158-17	6 P
Panel Assy, Rear RH	N/A	P130158-21	6 P
Panel, Armrest, RH	N/A	P130079-33	1 P
Panel Baggage Comp., Rear	N/A	P130090	2 P
Panel, Fuel Selector Valve	N/A	P610035-501	1 P
	N/A	P610035-03	1 P
Trim Strip	N/A	P130079-29	1 P

Notes:
1 Models C,D,E only
2 Models C,D,E,F only
3 Models C,E only
4 Model E only
5 Models E,F only
6 Model F only
7 Models F,G only

Manufacturer/Material: P Premier Aerospace Services and Technology/PVC/Acrylic

Unless otherwise noted parts are light beige.

Parts Manufactured by PMA Products

PMA Products, Inc.

High quality, price, and availability standards

McFarlane has worked with PMA Products, Inc. for over 20 years. PMA Products, Inc. has been a reliable and affordable alternative for high quality FAA-PMA approved aircraft parts for more than 20 years. We collaborate closely with product development to manufacture important components to support the GA community.

PMA Products, Inc.

PMA Products, Inc. manufactures various FAA-PMA replacement components, including Fuel Pumps, Fuel Caps, Seals, Bushings, Bearings, Gaskets, Bolts, and many more. They offer over 100 popular products, which is available in our McFarlane inventory, ready to ship today!





CA50-810326
Main Strut Upper Bearing



CA101-810024-3
Main Torque Link Bushing



CA101-810089-1A
Bolt



CA99-820099
Bearing

In stock, ready to deliver!

Beechcraft

Description	Part Number	Model
Bearing, Main Strut Upper	CA50-810326	1900,1900C,D,F90,99,99A,A99A,B99,C99,100,A100,B100, 200,200T,200C,200CT,B200,B200C,CT,T, 300,300LW,B300, B300C
Bearing, Nose Gear	CA99-820099	C90,E90,F90,99,99A,A65,70,B80,A99A,B99,C99,100,A100,B100, 200,200T,200C,200CT,B200, B200C, B200CT,B200T
Bolt	CA101-810089-1	1900,1900C,1900D,F90,C99,200,200T,200C, 200CT,B200,B200C,B200CT,B200T
	CA101-810090-3	1900,1900C,F90,C99,200,200T,200C,200CT, B200,B200C,B200CT,B200T
Bolt, Main Gear	CA101-810090-1	1900,1900C,1900D
Bolt, Main Gear Drag Brace	CA101-810145-1	300,300LW,B300,B300C
	CA101-810146-1	
Bolt, Nose Gear	CA90-820011-1	C90,E90,F90,99,99A,A99A,B99,C99,100,A100,B100,200,200T, 200C,200CT,B200,B200C, B200CT, B200T, 1900, 1900C,1900D
Bushing	CA101-810014-3	F90,99,99A,A99A,B99,C99,100,A100,B100, 200,200C,B200,B200C,B200CT,B200T
	CA105739X-YN1437	1900,1900C,1900D
	CA105740X-YK0563	99,99A,A99A,B99
	CA105740X-YN0520	F90,99,99A,A99A,B99,C99,A100,B100
	CA115-610019	99,99A,A99A,B99,C99,100,A100,B100
	CA115-810066-3	F90,99,99A,A99A,B99,C99,100,A100,B100, 200,200T,200C,200CT,B200,B200C,B200CT, B200T, 300,300LW,B300,B300C,1900,1900C,1900D
	CA50-524476-1	65,80,A80,88,90,A90,B90,C90,E90
	CA50-524476-3	
	CA99-810064-1	A100,B100,100,B99,200,200T,200C,200CT,F90
	CA99-810064-3	1900,1900C,1900D,F90,C99,B200,B200C,B200CT, B200T,300,300LW,B300,B300C
Bushing, Drag Link	CA90-820010-1	C90
Bushing, Gear Door	CA105740X-ZU0260	F90,99,99A,A99,A99A,B99,C99,100,A100,B100, 200,200C,B200,B200C
Bushing, Landing Gear	CA99-810060-1	F90,99,99A,A99A,B99,C99,A100,B100
	CA101-810014-1	F90,99,99A,A99A,B99,C99,100,A100,B100, 200,200T,200C,200CT,B200,B200C,B200T,200CT
Bushing, Main Drag Link Center	CA99-810066-1	1900,1900C,1900D,C90,E90,F90,99,99A,A99A,B99,C99, 100,A100,B100,200,200T,200C,200CT,B200,B200C,B200CT, B200T,300,300LW, B300,B300C
	CA114-810038-1	1900,1900C,1900D
Bushing, Main Drag Link in Gear	CA114-810042-1	1900,1900C,1900D
	CA114-810049-3	
Bushing, Main Gear	CA115-810064-1	F90,99,99A,A99A,B99,A100,B100,200,200T,200C
Bushing, Main Torque Link Center	CA105740X-YA1625	1900,1900C,1900D,200,200T,200C,200CT,B200,B200C, B200CT,B200T,300,300LW,B300,B300C
	CA105740X-YN0677	

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



ESD-3
Statick Wick

CA50-384082
Wiper Blade Refill



CA3025
Yoke



CA115-810074
Thrust Washer



CA3044
Brush Block Assembly



CA476284E
Fuel Pump



CA3026
Brush Block



CA601-4300
Microphone Switch

PMA Products, Inc.

Continued from previous page

Beechcraft

Description	Part Number	Model
Bushing, Main Torque Link in Gear	CA101-810024-3	1900C,1900D
Bushing, Nose Attach Lug	CA114-820113-1	1900,1900C,1900D
Bushing, Nose Steering	CA105740X-ZV0312	A90,B90,C90,C90A,E90,F90,99,99A,A99A,B99,C99,200,200T, 200CT,A200,A200C,B200,B200C,B200CT,B200T
Bushing, Nose Torque Link Center	CA105740X-YA0630	1900,1900C,1900D,90,A90,B90,C90,E90,F90, 99,99A,A99A,B99,C99,100,A100,B100,200,200C, 200T,200CT,B200,B200T,B200C,B200CT, 300,300LW,B300,B300C
	CA105740X-YN0625	1900,1900C,1900D,300,300LW,B300,B300C,90,A90,B90,C90,C99, E90,F90,99,99A,A99A,B99, 100,A100,B100,200,200T,200C,200CT, B200,B200C,B200CT,B200T
	CA90-810019-1	C90,E90,F90,C99,100,A100,B100,200,200T,200C,200CT,B200, B200C,B200CT,B200T,300,300LW,B300,B300C,1900,1900C,1900D
Bushing Nose Upper Torque Link	CA50-810034	1900,1900C,1900D,300,300LW,B300,B300C,90,99,99A,A90, A99A,B90,B99,C90,C99,E90,F90,100,A100, B100,200,200T,200C,2 00CT,B200,B200C,B200CT,B200T
Bushing, Steering Roller	CA114-820062-1	1900,1900C,1900D
Bushing, Torque Link	CA45-815013	33,35,36,55,58
	CA101-810024-5	1900C,1900D
	CA105740X-YD0160	99,99A,A99A,B99,C99
Carbon Block	CA3026	A90,B90,C90,C90A,E90,F90,99,99A,A99A,B99,C99, 100,A100,200,200T,200C,200CT,B200,B200C,B200CT, B200T,300,300LW,B300,B300C,1900,1900C,1900D
Carbon Block Assembly	CA3044	A90,B90,C90,E90,F90,99,99A,A99A,B99, C90A,C99,100,A100, 200,200T,200C,200CT,B200,B200C,B200CT, B200T, 300,300LW,B300,B300C,1900,1900C,1900D
Drag Leg Hook Pins	CA50-810343-5 CA50-810343-7	F90 S/N LA-2 & On, 99,99A,A99A,B99,C99 S/N U-1 thru U-49, U-51 thru U-164,100,A100,B100, 200 S/N BB-2 thru BB-733, BB-735 thru BB-792,BB-794 thru BB-828,BB-830 thru BB-853, BB-871 thru BB-873, BB-892,BB893 and BB-912, 200T S/N BT-1 thru BT-22, 200C S/N BL-1 thru BL-200CT S/N BN-1, B200 S/N BB-734,BB-793, BB-829, BB-854 thru BB-870, BB-874 B-891, BB-894 thru BB-911, BB-913 thru BB-1157, BB-1159 thru BB-1166, BB1168 thru BB-1192, B200T S/N BT-23 thru B5.235T-27,BT29,BT30, B200C S/N BL-37 thru BL-72, B200CT S/N BN-2-BN-4
Filter & Gasket Kit	CA42370	55,A55,B55,C55,D55,E55,56TC,A56TC,58,58P,58TC, 60,A60,B60,A65,70,B80,E95,C90,E90,F90, 100,A100,200,200T,200C,99,99A,A99A,B99,C99
Fuel Pump	CA476284E-1	55,A55,B55,C55,D55,E55,56TC,A56TC,58,58P,58TC, 60,A60,B60,A65,70,B80,E95,C90,E90,F90,100,A100, 200,200T,200C,99,99A,A99A,B99,C99
Nose Attach Lug	CA114-820113-1	1900,1900C,1900D
Seal, Drain Valve	CACCA1269	A55,B55,B55A,C55,C55A,D55,D55A,E55, E55A,58,58A,95-55 (not recommended for use with autogas)
	CACCA1319	
Seal, Fuel Cap	CA38241	99,99A,A99A,B99,C99,100,A100,B100,200,200T,200C,200CT, B200,B200C,B200CT ,B200T, B300, B300C, 1900, 1900C,1900D
	CA457-98	E90,F90,99,99A,A99A,B99,C99,100,A100,B100, B200,B200C,B200CT,B200T,200,200T,200C,200CT
Seat Foot	CA100-530448-5	C90,C90A,C90(SE),E90,F90,A100,B100, 200,200T,200C,200CT,B200,B200C,B200CT
	CA100-530448-7	C90,C90A,E90,F90,A100,B100, 200,200T,200C,200CT,B200,B200C,B200CT
	CA50-534436-5	65,80,A80,88,90,A90,99,99A,A99A,B90, B99,C99,100,A100,B100
Stall Switch Assembly	CA450-742N	35-33,35-A33,35-B33,35-C33,35-C33A,E33,E33A, F33,F33A,F33C,G33,H35,J35,K35,M35,N35,P35,S35, V35,V35A,V35B,36,A36,C35,D35,E35,F35,G35

Continued on next page

Parts Manufactured by PMA Products



CA452-368
Rod End



CAB5121
Carbon Block



CA452-575
Landing Gear Bushing



CA63530-100
Trim Barrel



CA880007-501
Fuel Pressure Transducer



CA67026-011
Torque Link Bushing

PMA Products, Inc.

Continued from previous page

Beechcraft		
Description	**Part Number**	**Model**
Static Discharger	ESD-3	Various Models - No FAA-PMA Approval
Switch, Mic	CA601-4300	F90,C99,100,A100,B100,200,200T,200C,200CT, 300,300LW,B300,B300C
	CA99-340253-1	1900,1900C,B200,B200C,B200CT,B200T
Tab Washer	CA45A16122-037	400A and 400T
Torque Link Pin	CA101-810025-1	200, 300 and 1900 Series
Upper Bearing, Main Strut	CA50-810326	F90,99,99A,A99A,B99,C99,100,A100,B100, 200,200T,200C,200CT,B200,B200C,B200CT,B200T, 300LW, B300,B300C,300,1900,1900C,1900D
Washer	CA50-105000-3	C90,B200,B200C,B200T,300LW,300,B300,B300C,1900,1900C
Washer, Thrust	CA115-810074	F90,99,99A,A99A,B99,100,A100,B100, 200,200T,200C,200CT,B200,B200C,B200CT,B200T
Wiper Blade	CA50-384082	A65,70,B80,C90,E90,F90,99,99A,A99A,B99,C99,100,A100, B100,200,200T,200C,200CT,B200,B200C, B200CT,B200T, 300LW,B300,B300C,300,1900,1900C,1900D
Yoke	CA3025	A90,B90,C90,E90,F90,99,99A,A99A,B99,C90A,C99,100,A100, 200,200T,200C,200CT, B200,B200C, B200CT,B200T,300,300LW, B300,B300C,1900,1900C,1900D
Cessna		
Description	**Part Number**	**Model**
Filter & Gasket Kit	CA42370	310Q, 310R, 335, 340, 340A, 401B, 402B, 402C, 404, 414, 414A, 421B, 425, 441, 525, 560, 650
Gasket, Fuel Bowl	CAB3-11-1	310,320,335,336,337,340,401,402,404,411,414,421
Pump, Fuel/Alcohol	CA6508092-1A[2]	310G,H,I,J,J-1,K,L,N,P, 310G0001 thru 310P0179, 310Q,310R, E310H,J, 320A,B,C,D,E,F, 335, 340,340A, 401,401A S/N 401-0001 thru 401A0132, 401B, 402, 402A S/N 402-0001 thru 4022A0069, 402B,402C,411,411A,414,414A,421,421A, 421-0001 thru 421A0111, 404,421B,421C,425,441, 500[1],525,550,560,650
Seal, Fuel Cap	CA38241	525,650,680,750
Dehavilland		
Carbon Block Assy	CA4731	HC-6
Embraer		
Back up Ring	CABDS3115-026C	120
Lear		
Bolt, Main Gear	CA2341114-3	24,25,31,35,36,55,60
McCauley Propellers		
Carbon Block	CAB5121	This part number is eligible on all make & model aircraft with the following propellers installed: 3GFR34C701,702, 703,4HFR 34C754,762,766,768,771,4JFR34C758,5JFR36C1003
Mooney		
Seal, Fuel Cap	CA38241	M20C,D,E,F,G,J
Transducer, Fuel Pressure	CA880007-501	M20J
Transducer, Oil Pressure	CA880008-501	M20J
Piper		
Aileron Rod	CA62766-000	PA28-140,150,160,180,235, PA28R-180,200, PA-32-260, PA-32-300, PA-32R-300
Barrel, Trim	CA63530-100	PA28 Series, PA32-260,300,301,301T,PA32R-300,301,301T PA28-201T S/N 28-7921001 to 28-7921095
	CA96596-002	PA34-200,200T,220T
Bearing	CA67026-011	PA28R-200,201,201T,PA28RT-201,201T, PA32R-300,301,301T,PA32RT,PA44-180,180T

[1] All S/Ns including S/N 500-0001 thru 500-0040 incorporating SB30-1, and S/N 500-0001 thru 500-0213 incorporating SB21-9.
[2] Applicable to the following only if Service Kit SK421-26C is installed: 310G,H,I,J,J-1,K,L,N,P* 310G0001 thru 310P0179, E310H,J, 320A,B,C,D,E,F, 401, 401A 401-0001 thru 401A0132, 402, 402A, 402-0001 thru 4022A0069, 411, 411A, 421, 421A, 421-0001 thru 421A0111

Continued on next page

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



NAS77-10-094
Bushing



W35323-012
Front Bulkhead Spinner



CA79072-000
Nose Gear Bumper



CA452-584
Aileron Bearing

PMA Products, Inc.

Continued from previous page

Piper

Description	Part Number	Model
Bearing, Flap	CA452-387	PA28,PA28-140,150,151,160,161,180,181,235,236,201T, PA28R-180,200,201,201T,PA28RT-201,201T, PA32-260,300,301,301T,PA32R-300,301,301T, PA32RT,PA34-200,200T,220T,PA44-180,PA46-310P,350P
Bearing, Main Gear	CA452-575	PA24-180,250,260,400,PA28R-180,200,201,201T, PA28RT-201,201T,PA30,PA32R-300,301,301T,PA32RT, PA34-200,200T,220T,PA39,PA44-180
Bearing, Rod End	CA452-334A	PA28-140,150,151,160,161,180,181,235,236,201T, PA28R-180,200,201,201T,PA28RT-201,201T, PA32-260,300,301,301T,PA32R-300,301,301T, PA32RT-300,300T,PA34-200,200T,220T, PA44-180,PA46-310P,350P
	CA452-335A	PA23-150,160,235,250,PA28-140,150,151,160,161,180,181, 235,236,201T,PA28R-180,200,201,201T, PA28RT-201,201T, PA31P,PA31P-350,PA31T1,2,PA32-260,300,301,301T, PA32R-300,301,301T,PA32RT-300,300T, PA34-200,200T,220T,PA42,PA42-720,1000, PA44-180,PA46-310,350P
	CA452-336A	PA28-140,150,151,160,161,180,181,235,236,201T, PA28R-180,200,201,201T,PA28RT-201,201T, PA32-260,300,301,301T,PA32R-300,301,301T, PA32RT-300,300T,PA34-200,200T,220T,PA44-180
	CA452-368	PA28R-180,200,201,201T,PA28RT-201,201T, PA32R-300,301,301T,PA32RT,PA34-200,200T
Bearing, Rod End	CA452-412	PA24-180,250,260,400,PA31-300,310,325,350, PA42,PA42-720,1000,PA31P-350,PA31P,PA31T,1,2, PA30,PA31-350-T1020,PA39,PA46-301P
	CA452-439	PA23-235,250,250(6),PA28RT-201,201T, PA31-300,310,325,350,PA31-350-T1020,PA31T-1,2, PA31P, PA31P-350,PA32RT,PA42,PA42-720,1000,PA44-180
	CA452-860A	PA46-310P,350P
	CA452-584	PA28-151,161,PA28R-180,200,201,201T, PA32R-300,301,301T,PA32RT-300T,PA34-200T,220T, PA36-285, 300,375, PA44-180
Bearing, Stabilator Hinge	CA452-394	PA28-151,161,181,236,201T,PA28R-201,201T, PA32-260,300,301,301T,PA32R-300,301,301T
	CA452-538	PA28RT-201,201T,PA32RT,PA34-200,200T,220T,PA44-180
Bulkhead Spinner Forward	CA87325-010	PA28-161
	W35323-012	PA28-151
Bulkhead, Spinner Rear	W587-330	PA28-151
Bumper, Nose Gear Torque Link Ext	CA79072-000	PA28-140,150,151,160,161,180,181,235,236, PA32-260,300,301,301T
Bushing, Main Gear Torque Link	CA20737-040	PA31-300,325,350,PA31-350-T1020, PA31P,PA31P-,350,PA31T,1,2,PA42,PA42-720,1000
Bushing, Nose Gear Torque Link Lower	CA453-903	PA31P-350
Bushing, Main Gear Retract Truss Act. Attach	CA63900-089	PA28R-180,200,201,201T,PA28RT-201,201T, PA32R-300,301,301T,PA32RT,PA34-200T,220T,PA44-180
Bushing, Outboard Flap Track	CA86102-104	PA31-300,310,325,350,PA31P,PA31P-350,PA31T,1,2
Bushing, Center Flap Track	CA86102-105	PA31-300,310,325,350,PA31P,PA31P-350,PA31T,1,2
Bushing, Inboard Flap Track	CA86102-106	PA31-300,310,325,350,PA31P,PA31P-350,PA31T,1,2
Bushing, Aileron Center Hinge	CA95061-108	PA28-151,161
Bushing, Nose Gear Torque Link Upper	NAS75-5-011	PA31-300,PA31-350,PA31-350-T1020, PA31P,PA31P-T1040,PA42-720,1000
Bushing, Main Gear Torque Link Upper	NAS75-6-011	PA31-300,PA31-350,PA31-350-T1020, PA31P,PA31P-350,PA31T,1,2,3-T1040,PA42-720,1000
Bushing, Main Gear Torque Link Center	NAS75-7-011	PA31-300,PA31T-1,2,3-T1040, PA31P,PA31P-350,PA31-350-T1020,PA42-720,1000
Bushing, Nose Gear Retract Brace Upper Attach	NAS75-7-014	PA31
Bushing, Stabilator Trim Linkage	NAS76A3-004	PA34-200,200T,220T
	NAS76A3-019	
	NAS76A3-023	

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CA41413-038
Bushing



CA26246-000
Fasterner, Fuel Cap Cover Door



CA17672N
Fuel Cap

PMA Products, Inc.

Continued from previous page

Piper

Description	Part Number	Model
Bushing, Main Gear Attach Trunnion	NAS77-10-094	PA31-300,PA31-350,PA31-350-T1020,PA31P, PA31P-350,PA31T-1,2,3-T1040
Bushing, Main Gear Retract Brace Upper Attach	NAS77-18-050	PA31P-350,PA42-720,1000
Bushing, Nose Gear Torque Link Center	NAS77-4-042	PA31T-1,2,3-T1040,PA31P,PA31P-350, PA31-350-T1020,PA42-720,1000
Bushing, Elevator Tab Hinge Assy	NAS77-5-019	PA31-300,350,T1020,PA31P-350,PA31T-1,2,3-T1040
Bushing, Nose Gear Torque Link Upper	NAS77-5-042	PA31-300,PA31-350,PA31-350-T1020, PA31P,PA31P-350,PA31T,1,2,3-T1040,PA42-720,1000
Bushing, Main Gear Torque Link Center	NAS77-7-035	PA31-300,PA31-350,PA31-350-T1020, PA31P,PA31P-T1040,PA42-720,1000
Bushing, Nose Gear Retract Link to Brace Attach	NAS77-7-038	PA31-300,PA31-350,PA31-350-T1020,PA31P,PA31P-350, PA31T,1,2,3-T1040,PA42-720,1000
Bushing, Nose Gear Retract Brace Upper Attach	NAS77-7-040	PA31-300,PA31-350,PA31-350-T1020, PA31P,PA31P-350,PA31T,1,2,3-T1040,PA42-720,1000
Bushing, Nose Gear Retract Link to Brace Attach	NAS77-7-068	PA31-300,PA31-350,PA31-350-T1020, PA31P-350,PA31T,1,2,3-T1040,PA42-720,1000
Bushing, Main Gear Retract Brace Upper Attach	NAS77-8-038	PA31P-350
Bushing, Main Gear, Link to Strut Attach	NAS77-8-044	PA31-300,PA31-350,PA31-350-T1020,PA31P,PA31P-350,PA31T-1
Bushing, Main Gear Retract Brace Upper Attach	NAS77-8-084	PA31-300,PA31-350,PA31-350-T1020,PA31P,PA31P-350,PA31T-1
Bushing, Main Gear Retract Link to Brace Attach	NAS77-8-072	PA31P-350
Bushing, Cabin Door Mechanism	CA20737-044	PA31-300,310,325,350,PA31-350-T1020
	CA41413-041	
Bushing, Flap Track Inboard, Outboard, Center	CA41413-005	PA31-300,310,350,PA31P,PA31P-350,PA31T-1,2
Bushing, Main Gear Housing Attach	CA20737-023	PA31-300,310,325,350,PA31-350-T1020, PA31P,PA31P-350,PA31T1,2
Bushing, Main Gear Retract Brace Upper Attach	CA14843-016	PA24-180,250,260,400,PA28R-180,200,201,201T, PA30,PA32R-301,301T,PA32-300,PA32RT, PA34-200,200T,PA39
Bushing, Nose Gear Retract Link to Brace Attach	CA14843-018	PA24-180,250,260,400,PA30,PA39
Bushing, Main Gear Side Brace Stud Brace Attach	CA65003-041	PA28RT-201,201T,PA32R-301,301T,PA34-200,200T,PA44-180
Bushing, Main Gear Brace to Link Attach	CA65003-044	PA28R-180,200,201,201T,PA28RT-201,201T, PA32R-300,301,301T,PA32RT,PA34-200,200T,PA44
Bushing, Main Gear Side Brace Stud/Wing Attach	CA67026-012	PA34-200T,PA44-180
Bushing, Main Gear Torque Link Lower	CA43256-002	PA31P,PA31P-350,PA31-300,310,325,350, PA31-350-T1020,PA31T,1,2,PA42-720,1000,PA42
Bushing, Main Gear Housing Attach	CA43256-005	PA31P-350,PA31-300,310,325,350,PA31-350-T1020,PA31T,1,2
Bushing, Nose Wheel Steering Arm Inner	CA63900-109	PA28R-180,200,201,PA28RT-201,PA32R-300,301,301T,PA32RT
Bushing, Nose Wheel Steering Arm Outer	CA63900-122	PA28R-180,200,201,PA28RT-201,PA32R-300,301,301T,PA32RT
Bushing, NG Retract Link to Housing Attach	CA65003-046	PA28R-180,200
Bushing, NG Retract Brace RH Upper Attach	CA95061-133	PA32R-300,301,301T,PA32RT-300,300T
Bushing, Nose Gear Retract Brace Upper Attach	CA65003-045	PA28R-180,200,201,201T,PA28RT-201,201T, PA32R-300,301,301T,PA44-180
Bushing, Nose Gear Housing Top and Bottom	CA40250-002	PA31-300,310,325,350,PA31-350-T1020, PA31P,PA31P-350,PA31T-1,2,PA42,PA42-720,1000
Bushing, Main Gear Torque Link Upper	CA43256-006	PA23-235,250,250(6),PA31P, PA31P-350, PA31-300,310,325,350,PA31-350-T1020,PA31T-1,2,3, T1040,PA42,PA42-720,1000
Bushing, Nose Gear Retract Idler to Link Attach	CA20737-032	PA31-300,310,325,350,PA31P,PA31P-350, PA31T-1,2,PA42,PA42-720,1000
Bushing, Seat Roller	CA41413-038	PA23-235,250,PA24-260,PA25-150,235, PA31-300,310,325,350,T1020,PA31P,PA31P-350,PA31T-1,2, PA30,PA39,PA42-720,1000
	CA65003-047	PA28-140,150,160,180,235,PA28R-180,200,201,201T, PA28RT-201,201T,PA32-260,300,PA32R-300,301,301T, PA32RT-300,300T,PA34-200,200T,220T,PA44-180,180T
	CA95061-106	PA28-140,151,161,180,PA28R-180,PA28-181,PA28R-200, PA28-201T,PA28-236,PA28R-201,201T,PA28RT-201,201T, PA32-260,300,32R-300,32-301,301T,301FT,301XTC, 32R-301,301T,32RT-300,300T,PA34-200, 200T,220T, PA44-180,180T,PA46-310P,350P,500TP,46R-350T
Bushing, Nose Gear Steering Arm Outer	CA14976-102	PA30,PA31-300,310,325,350,PA31-350-T1020,PA39

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Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



CA35636-100
Aileron Hinge



CA35328-800E
Fuel Pump



CA751-871
Fuel Bowl Gasket

PMA Products, Inc.

Continued from previous page

Piper

Description	Part Number	Model
Bushing, Main or Nose Torque Link Lower Attach	CA67026-007	PA28R-180,200,PA28RT-201,201T, PA32R-300,301,301T,PA32RT,PA34-200,200T,220T, PA44-180, PA46-310P,350P
Bushing, MG Torque Link Spacer Upper/Lower	CA63310-000	PA28-140,150,151,160,161,180,181,235,236,201T, PA32-260,300,301,301T
Bushing, Nose Gear Torque Link Center	CA77780-005	PA38
Capacitor Assembly, Alternator Output	CA63897-006	PA28-140,151,180,181,R-200,RT-201,RT-201T, PA32-260,R-300,RT-300,301,R301,301T
Fastener, Fuel Cap Cover Door 1/2 Turn	CA26246-000	PA24-180,250,260,PA30,PA32-260,300,301, PA32R-300,301,PA32RT-300,PA39
Filter & Gasket Kit for Bendix Style Electric Fuel Pump	CA42370	PA23,PA23-160,250,250(6),PA24,PA24-250,260, PA28-140,151,161,150,160,180,181,PA28-235,236, PA32-260,PA38-112,PA44-180
Fuel Cap, Thermos Type	CA16097N	PA23-235,250
	CA17672N	PA23, PA23-160
	CA27221N	PA24-180,250,260,400,PA30,PA39
Fuel Cap Gasket	CA66815-000A	PA28-140,150,151,160,161,180,181,201,235,236,201T, PA28R-180,200,PA28RT-201,201T,PA32-260, 300,301,301T, PA32R-300,301,301T,PA32RT-300,300T,PA34-200,220T, PA38-112,PA44-180,180T
Fuel Pump	CA62220-004	PA-28-161 S/N 2816110 thru 2816119 and 2842001 and up, PA-28-181 S/N 2890206 thru 2890231, 2843001 thru 2843820, 2843822 thru 2843851 and 2843853 and up with Lycoming O-360-A4M engine
Fuel Pump, Electric	CA35328-800E	PA23,PA23-160,250,250(6),PA24,PA24-250,260, PA28-140,151,161,150,160,180,181,PA38-112
	CA65628-800E	PA28-235,236,PA32-260,PA44-180
Gasket, Fuel Strainer (not recommended for use with autogas)	CA462-049	PA28-140,150,151,160,161,180,181,236,201T, PA28R-180,200,201,201T,PA28RT-201,201T,PA38
Gasket, Fuel Strainer	CA751-871	PA24-400,PA28-235,PA32-260,300,PA30,PA39
Hinge, Aileron	62371-108	PA28-140,150,160,180,181,235,236,201T,PA28R-180,200,201, 201T,PA28RT-201,201T,PA32-260, 300,PA32RT-300,300T,PA34-200
	CA35636-100	PA28-151,161,181,PA28R-201,201T, PA28-236,201T,PA28RT-201,201T
Hinge Pin, Stabilator Tab Outboard	CA62002-002	PA28-140,151,151,160,161,180,181,201T,235,236, PA28R-180,200,201,201T,PA28RT-201,201T, PA32-260,300,301,301T,PA32R-300,301,301T, PA32RT-300,300T,PA44-180,180T
Hinge Pin, Stabilator Tab Center	CA62002-003	PA28-140,151,151,160,161,180,181,201T,235,236, PA28R-180,200,201,201T,PA28RT-201,201T, PA32-260,300,301,301T,PA32R-300,301,301T, PA32RT-300,300T,PA34-200,220T,PA44-180,180T
Hinge Pin, Stabilator Tab Inboard	CA62002-004	PA28-140,151,151,160,161,180,181,201T,235,236, PA28R-180,200,201,201T,PA28RT-201,201T, PA32-260,300,301,301T,PA32R-300,301,301T, PA32RT-300,300T,PA34-200,220T,PA44-180,180T
Hinge, Tab, Stabilator Outboard	CA63560-002	PA28,PA28R,PA32,PA32R
Hinge, Tab, Stabilator Inboard and Center	CA63560-003	PA28-140,150,151,160,161,180,181,235,236,201T, PA28R-180,200,201,201T,PA32,PA32R
Hinge, Tab, Stabilator Half	CA95864-002	PA34-200,200T,220T
	CA95866-002	
Pitot Heater Element	CA464-356	PA28-151,161
	CA464-357	
	CA464-440	PA28-161
	CA464-441	
Ring Scraper, Main Gear Strut	MS28776M2-18	PA28-140,150,151,161,180,181,235,236,PA32-260,300
Seat Roller CA18698-000 (measures 0.42") CA87332-002 (measures 0.62")	CA18698-000 CA87332-002	PA28-140,150,151,160,161,180,181,235,236,PA28R-180,200, PA32-260,300,301,301T,PA32R-300,301, 301T,PA32RT, PA34-200,200T,220T,PA46-310P,350P

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Parts Manufactured by PMA Products



CA187-625
Wiper Strip



CA450-742N
Switch



MS9371-16
Fuel Nozzle Gasket



CA3110998-01
Prop Shaft Shim

PMA Products, Inc.

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Piper

Description	Part Number	Model
Shaft, Stabilator Trim Jack Screw	CA65246-002	PA34-200,200T,220T
	CA65246-100	PA28-140,150,151,160,161,180,181,235,236, 201T S/N 28-7921001 to 28-7921095, PA28R-180,200,201,201T, PA32-260,300,301,301T, PA32R-300,301,301T
Stall Switch Assembly	CA450-742N	PA23-235,250, PA24-250,260,400, PA28-140,150,151,160,161, 180,181,235,236,201T, PA28R-180,200, 201,201T, PA28RT-201,201T, PA30, PA31-300,325,350, PA32-260,300, PA32R-300, PA34-200, PA38, PA39
Strut, Alternator Brace	CA78483-000	PA28-150,160,180,235,PA28R-180,200
Switch, LH Main Gear Down Limit	CA67411-002	PA28R-180,200,201,201T, PA28RT-201,201T, PA32R-300,301,301T, PA32RT, PA34-200,200T,220T
Switch, Nose Gear Down Limit	CA67411-003	PA28R-180,200,201,201T, PA28RT-201,201T
Switch, RH Main Gear Down Limit	CA67411-004	PA28R-180,200,201,201T, PA28RT-201,201T, PA32R-300,301,301T, PA32RT, PA34-200,200T,220T
Switch, LH Main Gear Up Limit	CA67411-005	PA28R-180,200,201,201T, PA28RT-201,201T, PA32R-300,301T, PA32RT, PA34-200,200T
Switch, Nose Gear Up Limit	CA67411-006	PA28R-180,200,201,201T, PA28RT-201,201T, PA32R-300,301,301T, PA32RT
Switch, RH Main Gear Up Limit	CA67411-007	PA28R-180,200,201,201T, PA28RT-201,201T, PA32R-300,301,301T, PA32RT, PA34-200
Switch, LH Main Gear Squat	CA67411-008	PA28R-180,200,201,201T, PA28RT-201,201T, PA32R-300,301,301T, PA32RT, PA34-200,200T
Switch, RH Main Gear Up Limit & Ground Op. Fan	CA67411-020	PA34-200T
Switch, Nose Gear Down Limit	CA67411-021	PA32R-300,301,301T,PA32RT
	CA95232-000	PA34-200,200T
Transducer, Fuel Pressure	CA486-439	PA-28-181 S/N 2843001 thru 2843027 and 2890206 and up if electric fuel pressure sender is installed. PA38-112, PA-44-180
Transducer, Oil Pressure	CA486-440	PA38-112
Tube, Nose Gear Strut Inner Lower	CA65280-000	PA28-140,150,151,161,180,181,235,236, PA32-260,300
Universal Joint, Control Wheel Shaft	CA46203-002	PA31-300,310,325,350,350-T1020,31P-350,31T,31T1,31T2
Universal Joint, Control Wheel Shaft *For complete eligibility see Flight Control System section of the catalog*	CA62834-802SS	PA28-140,150,151,160,161,180,181,235,236, PA28R-180,200,201,201T, PA32-260,300,301T, PA32R-300,301,301T, PA32S-300, PA34-200,200T,220T
Wiper Strip	CA187-625	PA-22, PA-22-108,135,150,160, PA-23, PA-23-160,235,250, PA-E23-250, PA-24, PA-24-250,260,400, PA28-140,150,151,160,161, 180,181,235,236, PA-30, PA-31P, PA-39, PA-32-260, 300,301FT,301XTC,301,301T

Pratt & Whitney

Description	Part Number	Model
Bearing, Rod End	CG3011587	Many models are eligible, please call or visit our website for complete eligibility
Fuel Transfer Tube	CA3011155	
	CA3020030	
Diaphragm	CA3103346-01	
	CA3103347-01	
Gasket	CA3118962-01	
Gasket Fuel Manifold	CA3101469-01	
Gasket Fuel Nozzle	CA3029566 CA3029678 MS9371-16	
Retainer Plate	CA3103345-01	
Shim, Prop Shaft	CA3110998-01	

SAAB

Description	Part Number	Model
Bushing	CAIR130986	340 Series S/N 004 thru 999
	CAIR130988	

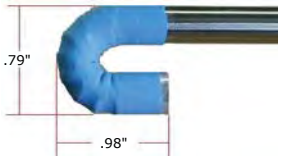
Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

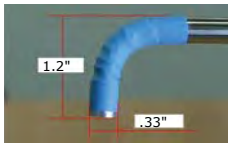
Borescopes

Acquire Detailed Visual Inspection with 180° Articulating Probe

Finally a ***low cost,*** articulating borescope that really works!
Technology has made borescopes a good investment even if you only need it a few times a year.

- Precision optics
- Cost effective
- Look back with 180° articulation
- Connect easily to computer, tablet or phone
- LED illumination
- High quality CMOS sensor
- Durable carrying case







Ideal for detailed visual inspection in hard to reach places. The bendable 0° to 180° continuously adjustable, articulating probe offers a panoramic view of the area being inspected and the wide focal distance makes both close up and general inspection crisp and clear. Six built in LEDs for illumination. Includes a press and release option in addition to a locking and unlocking feature.

AirBox WiFi Converter provides a wireless solution for mobile device users (Apple and Android). AirBox converts the USB feed into a WiFi hot spot enabling functions utilizing the appropriate App to see live images, capture pictures and record videos.

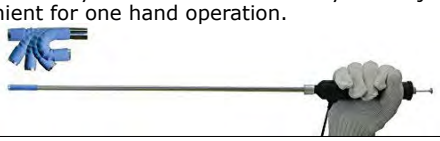
Apple products (i.e. iPhone and iPad) ***require*** the wireless converter, P/N VA-B2, for viewing and data capture. Android users have the option of connecting directly to the borescope (via USB cable), or by use of the wireless converter.

Each boroscope includes an OTG cable adapter, small sleeve changing tool for changing out the silicone sleeves, extra silicone replacement sleeves, case and instruction manual.

P/N	Probe Type	Probe Diam.	Probe Length	Weight	Focal Distance	Resolution	Optical View Lens Angle	USB Cable Length	Compatibility
VA-400 [1]	Rigid	8.5mm	42cm (16.5")	12 oz	4cm - 40cm fixed focus	1280X720 pixels	60°	200cm	Windows 10/8/7/Vista/XP, Mac OS X with FaceTime software or Android OS 4.1.2 or higher with USB host function (iPhone and iPad when used with VA-B2 converter).
VA-800 [1]	Flexible		80cm (31.5")		3cm - 40cm fixed focus	640X480 pixels			
VA-980 [1]	Semi-Rigid								
D3160	Flexible	5.9mm	1 mm (39.3")				180°		
D3145	Flexible	4.5mm	1 mm (39.3")				180°		
ME-610	Flexible	6.0mm	1 mm (39.3")			960X720	360°	Rechargable lithium battery	Automotive inspection camera, all way articulation controlled by joystick. Takes pictures and records video.

Notes:
[1] Add "KIT" to part number to purchase borescope and VA-B2 converter together, example: VA-400 KIT.

Vividia AbleScope VA-400 Borescope
P/N VA-400
Rigid (fixed steel probe)
Suitable when you have a direct line to your subject.
Convenient for one hand operation.







Vividia AbleScope VA-800 Borescope
P/N VA-800
Non-Formable - perfect for snaking the scope into a narrow space.
Twisting the probe changes the orientation of the camera.







Vividia AbleScope VA-980 Borescope
P/N VA-980
Semi-Rigid Flexible, but stays where you put it.
Ideal for general aviation professionals!



WiFi AirBox Converter
P/N VA-B2
View your Vividia USB borescope wirelessly. The USB cord from your borescope plugs into this small box which acts like a WiFi hotspot.

Connect your phone or tablet to the hotspot to view live feed from the borescope and capture photos and videos. Compatible apps are available for download.





Oil Filters

Filters available for Cessna, Beechcraft, Mooney, Piper, Maule, and more

- Magnetic capture of micro-steel particles
- Strengthened can
- Increased burst strength
- Full pleat media designed for uniform flow and collapse resistance
- Spin EZ® lubricant for easy removal of the filter
- Better by-pass valve



See Firewall Forward section of our catalog for aircraft eligibility

AeroGuard™ Air Filters

Greatly reduces contaminants and maximizes airflow

- Stops more than 99% of contaminants larger than 5 microns
- Less piston ring wear
- Air filters are cheap — engines are not!
- Cleans with air and soap water
- These are not a paper filter, no AD applies

Sticky foam filters don't go the distance!



See Firewall Forward section of our catalog for eligibility

Spark Plugs

Filters available for Cessna, Beechcraft, Mooney, Piper, and more

- "Fired in" resistor for stable resistance value and smoother running engine
- Zero-leakage seal encloses hot, high pressure combustion gases
- Durable nickel finish offers wear and corrosion resistance
- Ceramic insulator provides high performance in severe operational conditions
- Reduced fouling and enhanced heat range control

Not your grandfather's spark plugs!

TEMPEST excellence



See Firewall Forward section of our catalog for eligibility

Resistance Tester

Know when to replace your Spark Plugs!

P/N AT5K

Measures between the terminal inside the lead and the spark plugs' center firing tip.

- Follows MIL-S-7886
- Prevents misfiring, wasted fuel, and pollution



Green only — *Excellent*
Green and Red — *Serviceable*
Red only — *Replace with a new Spark Plug*

Thread Lubricant

Lubricate your Spark Plug threads during the cleaning process

P/N T556

- Flows smoothly
- Spreads evenly
- Doesn't ball up!
- Dries quickly

Maintenance Tip:
Do not get any lubricant on the electrodes or the insulator. If you do, wipe it off with a cloth dampened with water.



Spark Plug Gasket

Best price — quantity discount!

P/N MS17840-1

18mm solid copper



Spark Plug Tray

Balance and organize Spark Plugs during maintenance

P/N AA446

- Constructed with high quality metal, protecting Spark Plug damage
- Rubber feet to keep tray in place on metal workbenches and tool boxes
- Numbered slots for proper organization and rotation

**Spark Plugs not included*





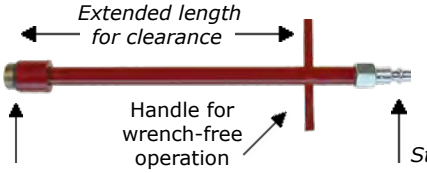
Avoid spilling your Spark Plugs!

Compression Tester Extension

EXTENSION CT1 (18mm thread)
EXTENSION CT12 (12mm thread)
EXTENSION CT14 (14mm thread)

- Wrench-free compression testing
- Quality welded construction, O-ring seal
- Allows for exhaust system and baffling clearance
- Makes compression testing easy

Save time and money!





Manufactured by Baines Specialties, LLC.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

AeroShell Aircraft Engine Oil

McFarlane has the lowest cost on engine oil!
All oil is sold in 6 quarts per case, except
Sport Plus 4 (sold in individual liters)



Engine oil is priced at COST!

Choosing the Right Grade of Oil	
Oil Type	**Part Number**
Straight Grade Mineral Oil • Aids engine break-in • Prevents cylinders glazing • Clean burning	AEROSHELL 80 AEROSHELL 100
Single Grade Ashless • Improved performance • Reduce maintenance costs • Reduce oil consumption	AEROSHELL W80 AEROSHELL W100 AEROSHELL W120
Single Grade Ashless Plus • Prolonged engine life • Advanced additive for cam protection and rust and corrosion protection	AEROSHELL W80 PLUS AEROSHELL W100 PLUS
Multigrade Sport Plus • Developed for light sport planes • Can be used in any climate • Advanced additive for full performance with different fuel types	AEROSHELL SPORT PLUS 4
Multigrade Ashless • High performance in all seasons • Reduced oil and fuel consumption • Advanced additive for cam protection and rust and corrosion protection	AEROSHELL W15W-50

Save $$$ with Multigrade and Plus Oils!

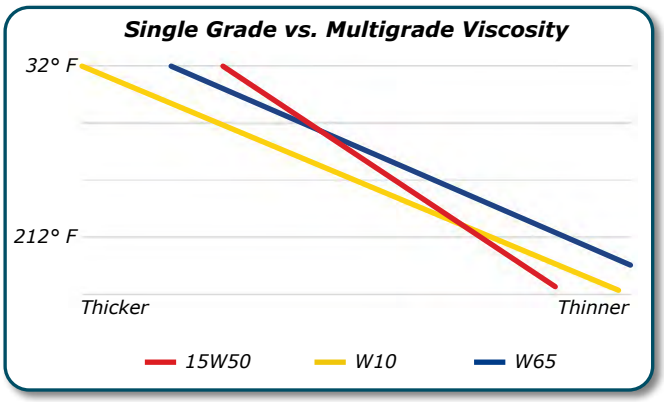
AeroShell single grade plus and multigrade oils comply with AD 80-04-03 and DO NOT require adding the **expensive** Lycoming LW16702 additive.
This ***saves you over $50.00*** during oil change!

Comparison example:

AeroShell W80 Plus = $48.02	**AeroShell 80** = $43.12
(already contains additive)	LW16702 additive = $60.00
Total cost = **$48.02**	**Total cost =** **$103.12**

AeroShell Plus Oil saves you over $50.00!

**Pricing as of 6/1/2022*



Phillips Aircraft Engine Oil

P/N PHILLIPS X/C 20W50
Ashless dispersant, multi-grade engine oil for piston engines

- Aids engine break-in
- High performance in all seasons
- Save $$$
- Sold in 12 quarts per case

All engine oil is priced at COST!
We want to keep you flying!



NEW! CamGuard™ Aviation Advanced Oil Supplement

P/N CAMGUARD AVIATION 16 OZ and **P/N CAMGUARD AVIATION GAL**
FAA accepted! The only lubricant to undergo certification testing in the extremes of aerobatic use

- Provides maximum engine protection with blends of high performance additives
- Prevents rust and corrosion with multi-metal corrosion inhibitors
- Dramatically reduces the wear of cams, lifters, cylinders, rings, gears, and valve guides
- Prevents varnish and carbon deposits throughout engine with ashless deposit control additives
- Prevents oil weeping and keep seals supple, flexible, and performing like new with seal conditioners



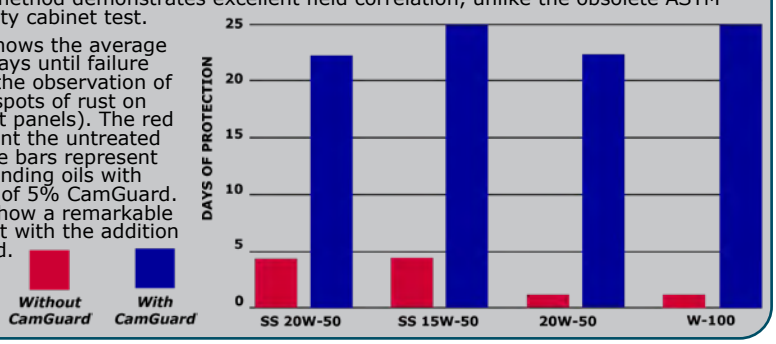
NEW

Available in pint and gallon!

Increased Corrosion Protection with CamGuard

Four of the top selling piston oils were tested for corrosion resistance with and without CamGuard. Testing was performed using the DIN 50017 humidity cabinet test. The DIN 50017 method demonstrates excellent field correlation, unlike the obsolete ASTM 1748 humidity cabinet test.

The graph shows the average number of days until failure (defined as the observation of three 1mm spots of rust on the steel test panels). The red bars represent the untreated oils. The blue bars represent the corresponding oils with the addition of 5% CamGuard. All the oils show a remarkable improvement with the addition of CamGuard.





These are pistons from two different Lycoming IO-540 aircraft engines. The left piston is from an FAA certification engine using CamGuard for 500 hrs. The testing was in an aerobatic aircraft that used very high power settings resulting in extremely high temperatures. The piston on the right was taken from a non-aerobatic aircraft engine that was flown at typical cruise settings, without CamGuard, for 500 hrs. **The difference in deposits is striking.**

Vacuum Pump Wrench

Get into those really tight spots!
P/N TOOL133 (use for small pumps)
P/N TOOL133-L (use for large pumps)

- Heat treated tool steel
- 1/4" square drive
- Torque wrench friendly



Precision made!



Dry Air Pumps

New and overhauled FAA-PMA assemblies for Aviat, Piper, Mooney, and more!

- Smooth temperature compensation
- Low friction
- Increased service life
- Wear resistant
- Durable and light-weight

TEMPEST excellence

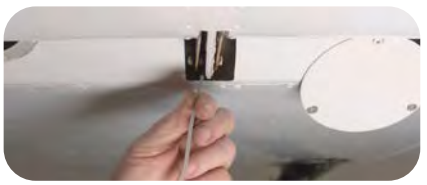


See Firewall Forward section of our catalog for eligibility

D A M™ Aircraft Pulley Oil

New name, same dependable oil!
Featuring a re-designed needle oiler
Great for unreachable areas with traditional applicators

- Does not dry out and get sticky
- Loosens old stiff pulley grease
- Save the labor of re-oiling the control system every year!





20" Extension P/N 7249 now sold separately!

Convenient Kits	
Qty	**Description**
P/N PULLEY OIL KT	
1	Pint, Pulley Oil
1	Needle Oiler with Extension, .34 fl oz (10mL)
P/N PULLEY OILER KT	
1	Needle Oiler with Extension, .34 fl oz (10mL)
P/N PULLEY OIL	
1	Pint, Pulley Oil

D A M™ Exhaust Lube

Aircraft Exhaust Anti-seize/Lubricant — The only anti-seize that works!
D A M™ Exhaust Lube is designed specifically for aircraft exhaust ball joints, clamps, slip joints, and hardware. A low viscosity liquid is blended with molybdenum-disulfide and other special micro-lubricants to produce a protective dry lubricant film. This film imbeds into the stainless steel and keeps your joints lubricated for years!

- Protects up to 2400° F
- **No** stainless corroding **graphite**
- Prevents heat corrosion and joint lockup
- Joints stay free to move with thermal expansion
- No greasy powdered metal paste that locks up anyway
- Low viscosity — a little goes a long way
- Loosens assembled joints

Do not use an anti-seize that contains graphite on your exhaust systems. Graphite corrodes and destroys the grain structure of stainless steel.

Handy Swab-top Can!



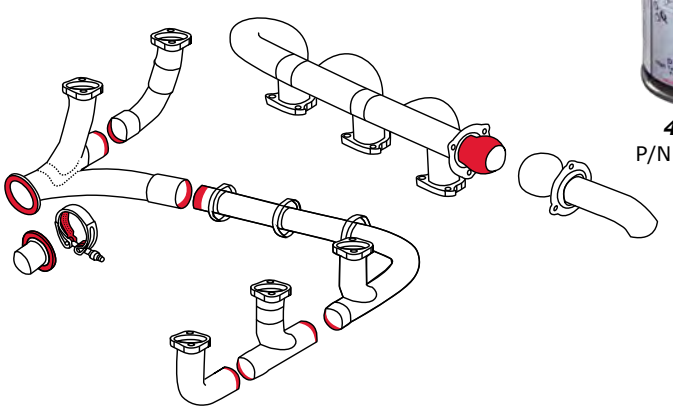
4 oz. can
P/N DAM20-4.0

Directions

Shake well.

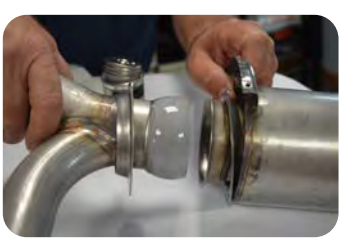
Pre-assembly: Clean joint and apply a wet coat to both surfaces to be joined. The joint can be assembled wet or dry.

Assembled joints: Apply several times to joint edge. Allow time for capillary action to penetrate the joint. For better penetration of locked up joints, mix 50/50 with acetone, MEK, toluene, or similar solvents.



FOR BEST RESULTS, APPLY BEFORE ASSEMBLY
(Can also be applied to joint edges on older assemblies)





Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

D A M™ Window Cleaner

Fast and easy aircraft window cleaner

- Aircraft size 1.5 oz. P/N DAM17-1.5
- Hangar size 16 oz. P/N DAM17-16
- Refill size 1 Gallon P/N DAM17-GAL

A fast, streak free liquid spray designed for acrylic and other surfaces. The carnauba wax and polymer formula fills minor scratches and leaves a slick clean surface that makes cleaning bugs easier next time. Freezing and thawing of the DAM window cleaner does not affect the performance of the product. Thaw and shake to use.

- Liquid spray — no smeary paste
- No ammonia and only a harmless trace of alcohol
- Anti-static — repels dust
- Safe on all surfaces — encapsulates the dirt as it works
- Amazing *Melt Away* cleaning power
- Economical — a little goes a long way
- Hazes off for a streak free polish finish
- Improves visibility in the rain

You will love the results!



Request a sample!
P/N DAM17-1.5

Part Number	Description	Size	Qty
DAM17-1.5	Aircraft size	1.5 oz	1
DAM17-1.5C	Aircraft size	Case	14
DAM17-16	Hangar size	16 oz	1
DAM17-16C	Hangar size	Case	12
DAM17-GAL	Refill size	Gallon	1
DAM17-GALC	Refill size	Gallon	4
Complete Window Cleaning Kits			
DAM17-KIT	Aircraft size	1.5 oz	1
	Hangar size	16 oz	1
	Cotton Towels		5
DAM17-GAL-KT	Refill size	Gallon	1
	Aircraft size	1.5 oz	3
	Hangar size	16 oz	3
Towels			
AC1212-5	Cotton Towels		5
AC1212-20			20

Cotton Towels

Stop scratching your window with paper towels!

- Won't scratch
- Reusable final wipe and polish towel great for many cleanings
- Cheap enough to throw away
- Available in convenient 5 or 20 packs

Directions

Shake well. Spray on windows and rub bugs, dirt, and smears with your hand or with a small towel saturated with D A M™ until contaminants are loose and melted. Keep the surface wet with D A M™ as you clean.

Wipe the window clean but not necessarily completely dry with a soft cotton or micro-fiber towel. The remaining D A M™ will quickly haze-off.

Finish by polishing with a clean dry cotton towel. Do not use paper towels as they have wood fiber that can scratch.

Kroil and AeroKroil Penetrating Oil

Throw away your other penetrating oil! This stuff works
P/N AEROKROIL — 10 oz. aerosol can of kroil
P/N KROIL GAL — One gallon can

- Loosens frozen metal parts
- Creeps into openings as small as one millionth of an inch!
- Loosen the toughest stuck together or rusted metal parts
- Used to loosen nuts, bolts, studs, screws, pulleys, shafts, bearings, pipe threads, valve guides, exhaust parts or any corroded metal parts
- Kroil and AeroKroil meet and exceed military specifications AA50493 and VV-P-216 (for industrial use only)



Manufactured by Kano Laboratories

Standard Hardware

AN, MS and NAS series



Pitot Heater Elements

Manufactured by PMA Products, Inc

Fits Piper PA-28-151 and PA-28-161 aircraft

- Each pitot tube requires two heaters
- Diameter of each part number is 3/16”

P/N	Aircraft	Serial Number	Voltage	Power	Length[2]
CA464-356	PA-28-151	All	14V	70 watts	3.25"
CA464-356	PA-28-161	2816001 thru 28-8216059	14V	70 watts	3.25"
CA464-357[1]	PA-28-151	All	14V	100 watts	4.25"
CA464-357[1]	PA-28-161	2816001 thru 28-8216059	14V	100 watts	4.25"
CA464-440[1]	PA-28-161	All	28V	100 watts	4.25"
CA464-441	PA-28-161	All	28V	70 watts	3.25"

[1] P/N CA464-357 and CA464-440 are installed at an angle within the pitot tube
[2] Length is approximate

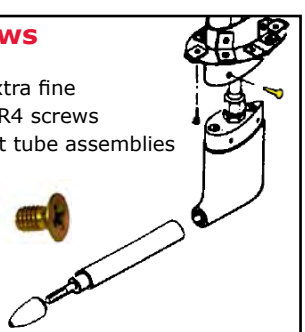


Pitot Tube Screws

P/N MS24693S224

- Replaces special extra fine thread AN507-640R4 screws
- Used on many pitot tube assemblies





Sold in 10 packs!

Small Radius 1/8” Tube Bender

Ideal for fuel injection, primer, oil pressure, and oxygen lines!
Tube Bender P/N 364-FH-02

- Easily fabricate 3/8” radius bends up to 180°
- Calibrated to show angle of bend
- For bending 1/8” OD soft copper, aluminum, brass, steel, stainless steel, and other tubing

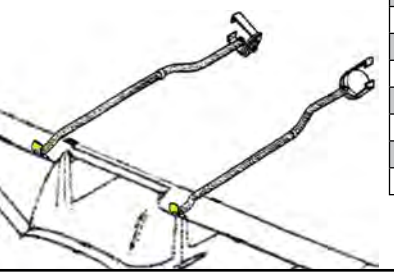


Vent Tube Adapter for Cessna Aircraft

Improved vent tube adapter restores rear seat airflow
P/N CW-172001

- Improved! Aluminum won't crack like the cheapy OEM plastic adapters
- Direct replacement for Cessna P/Ns 0501030-2, 0700325-1, 0700325-2
- Limited lifetime warranty
- Save over 50%
- Two required per aircraft
- Includes installation instructions





Model
172, 172A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q
172RG, FR172E,F,G,H,J,K
175A,B,C
180, 180A,B,C,D,E,G,H,J
182, 182A,E
185, 185A,B,C,D,E, A185E,F
210-5 (205)
210B,C,D,E

Manufactured by Wingate Aero & Fabrication LLC

Cowl Saver™ Scoring Tool

Customize Your Baffle Seal Flexibility for Optimal Cooling!
P/N TOOL120

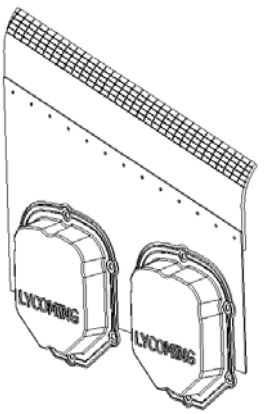
Customize Cowl Saver™ engine baffle seal material to be extremely flexible for a perfect seal where it contacts the cowl and rigid elsewhere to prevent the seal from blowing past the cowl contact line.

This unique tool has 3 circular razor blades spaced 0.16" apart and makes it fast and easy to score the stiffer outer layer of the Cowl Saver™ material where more flexibility is required. The spacers also precisely control the depth of the cuts to help prevent damage to the material.



- You control the amount of flexibility
- Use during a new baffle seal installation or to perfect the fit and seal of an existing installation
- Material still meets the original AMS3306 specification to which it was certified as long as the fiberglass reinforcing layer hasn't been cut
- Replacement blade kit also available (P/N TOOL120-BKT)

Only for use on the Teflon side of Cowl Saver™ baffle seal material



See Firewall Forward section of our catalog for details

Exhaust Valve Guide *Cleaning* Reamers for Continental and Lycoming Engines

U. S. Patent No. 9,878,354

Why McFarlane Special Reamers?

Our valve guide reamers are sized specifically for cleaning Continental and Lycoming exhaust valve guides. Standard valve guide reamers are designed to perfect the guide hole size when reaming new guides. The standard reamer pilot is sized to fit the small bore of a new unfinished guide to insure stability and a straight finished bore. When this same type of reamer is used to clean the valve guides, the pilot is smaller than the finished hole. This causes the reamer to wander and misalign while it is being started and turned in the guide hole.

The McFarlane cleaning reamers have a pilot the same size as the valve stem. This properly sized pilot forces the reamer cutter to start straight and follow the correct valve stem path through the guide hole. ***Finally, a tool that is designed for the job!***



Photo courtesy of Jose Oliveros

While using standard reamers to clean valve guides, you probably have noticed that you have some valve guide metal in the reamer flutes afterwards. This metal is cut from the sides of the guide when hard carbon deposits displace the unguided reamer from the original guide hole, or the reamer was not started in alignment with the guide hole. Wavy or gouged guide holes cause premature carbon buildup, poor heat transfer, and early guide hole wear. Prevent damage to your valve guides by using McFarlane Cleaning Reamers!

Features and Benefits

- Discounted pricing for complete set
- Spiral flutes for a better guide finish
- Pilot sized specifically for cleaning
- Cleans guides without notching guide surfaces
- Constructed of precision ground, high speed tool steel

Scan the code to watch our product tutorial!
https://youtu.be/6Ys2IIyP-DM

Note: Reference Lycoming Service Instruction 1425A, SSP-1776 and SSP-578 and the appropriate overhaul manual or the appropriate Continental overhaul manual (there are errors in some of the Continental service bulletins regarding reamer sizes) to determine which specific valve guide sizes you have and the required reamer size before purchasing the necessary cleaning reamer. Lycoming Mandatory Service Bulletin No. 388C requires exhaust valve guide cleaning every 300 hours for helicopter engines and every 400 hours for all other engines. McFarlane valve guide reamers are for cleaning carbon buildup only and must not be used for finish reaming of new valve guides.

Maintenance Tip:
Lycoming suggests using ordinary cup grease on the flutes of the reamer to remove deposits with the reamer rather than allowing the deposits to fall into the cylinder.



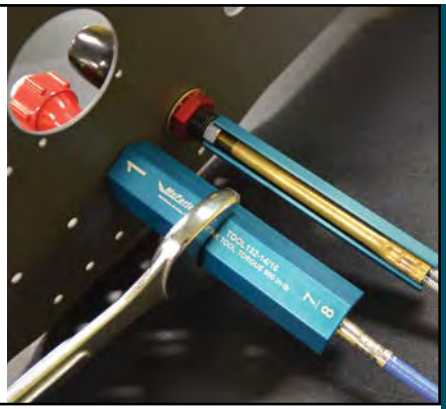
Continental Cleaning Reamers		
Part Number	**Finished Ream Diameter (Corresponds to valve guide ID)**	**Pilot Diameter (Corresponds to valve stem diameter)**
VGR-CN-KT	Contains one of each sized reamer	
VGR-CN1	0.3750 - 0.3758	0.3715 - 0.3725
VGR-CN2	0.4350 - 0.4362	0.4310 - 0.4320
VGR-CN3	0.4365 - 0.4375	0.4320 - 0.4330
VGR-CN4	0.4370 - 0.4378	0.4325 - 0.4335
VGR-CN5	0.4375 - 0.4385	0.4330 - 0.4340
VGR-CN6	0.3427 - 0.3435	0.3390 - 0.3400
Lycoming Cleaning Reamers		
Part Number	**Finished Ream Diameter (Corresponds to valve guide ID)**	**Pilot Diameter (Corresponds to valve stem diameter)**
VGR-LC-KT	Contains one of each sized reamer	
VGR-LC1	0.4040-0.4050	0.4012-0.4020
VGR-LC2	0.4370-0.4380	0.4320-0.4333
VGR-LC3	0.4985-0.4995	0.4935-0.4945
VGR-LC4	0.4995-0.5005	0.4957-0.4965

Push-Pull Control Wrench Set

P/N TOOL132 installs and removes push-pull control nuts behind the panel

- Works with all controls — six nut sizes!
- 5 1/2" length reaches deep, hard to access nuts
- Slot allows access to nut on installed control
- Wrench anywhere on the external hex
- Lightweight aluminum is easy to handle when using overhead
- Many other uses (brake/fuel/vent/hydraulic lines, etc)
- Includes case





Part Number	Description
TOOL132	Contains one of each wrench
TOOL132-8/9	1/2" and 9/16"
TOOL132-11/12	11/16" and 3/4"
TOOL132-14/16	7/8" and 1" wrench

Flap Track Wear Gauge for Cessna Aircraft

P/N 950

Determines if a Cessna flap track is worn beyond service limits

This gauge will work for all single engine Cessnas except 140A, 170A and 195



Flap Track Wear Gauge Instructions

Run the gauge plug along each slot in each flap track while verifying that the gauge will not enter the slot. Reposition the flaps as required to gauge the entire length of each slot. If the gauge enters a slot at any point, the track is worn beyond service limits. Periodically verify the gauge diameter by measuring the gauge diameter with a calibrated micrometer.

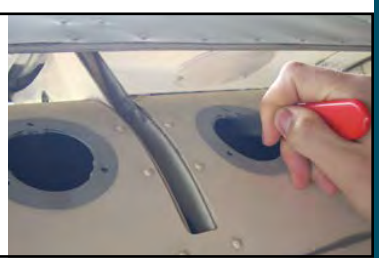


Flap Roller Installation Tool

P/N 970

- Makes installation of the aft flap roller, bushing and washers easy
- Holds parts in alignment while inserting the bolt
- Long handle allows access through the small inspection openings
- Use on Cessna 150 thru 337





Adjustable Elevator Neutral Rigging Tool for Cessna Aircraft

Save time, you'll always have the correct tool!

P/N TOOL126

Proper elevator rigging is necessary for full range of motion and maneuverability of the airplane. Many Cessna maintenance manuals require the fabrication of a tool to hold the yoke in the neutral position while the mechanic rigs the elevator control system. These tools utilize the holes for the control gust lock. At least 17 different sizes of rigging tools are required to cover the various Cessna aircraft. Now there is one tool to replace them all.

The McFarlane Elevator Neutral Rigging Tool is adjustable from 0.4" to 2.5" and universal in design, consisting of six different pin sizes to fit your application. This tool may also be used to properly rig other makes of aircraft with similar elevator neutral rigging requirements.

Features and Benefits

- Replaces 17 costly tools
- Quick setup and adjustment
- Simple to use instructions
- Includes compact storage box
- Replacement parts available separately
- Stainless steel components

Fits most Cessna 150 thru 425 aircraft!

Note:

Refer to your Cessna maintenance manual to determine if your model requires the use of the elevator neutral rigging tool and follow its guidelines for proper pin selection and adjustment guidelines.

Elevator Neutral Rigging Tool Replacement Parts	
P/N	Description
6409	.050"/1.3mm Hex Wrench
6870	Nut
6868-4	Pin, .188, Short
6868-3	Pin, .188, Long
6868-1	Pin, .209, Short
6868-2	Pin, .209, Long
6869-1	Pin, .250, Short
6869-2	Pin, .250, Long







Interesting History

Early Cessna aircraft control gust lock holes were aligned with the elevator in the neutral position. This hole placement created safety concerns after Cessna realized that it would be possible for a pilot to take off with the control lock in place, but the lack of control function would not allow for a safe climb rate. Cessna remedied this safety hazard, beginning in the late 1960's, by moving the hole on the control column closer to the yoke. This change prevents flight.

With the hole placement moved, new tools were required to be fabricated to align the elevator in the neutral position during rigging.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Elevator and Rudder Bearing Installation Tool for Cessna Aircraft

Makes pressing bearings in or out easy!
P/N 990

This unique tool is specifically designed to prevent damage when installing and removing ***sintered bronze*** rudder and elevator hinge bearings contained in kits EBC-KT-1 thru 5 and RBC-KT-1 thru 8.

- Eight piece kit for all sizes of sleeve bearings
- Heat treated stainless steel will last a lifetime
- Comes in a convenient storage pouch



Mr. Funnel

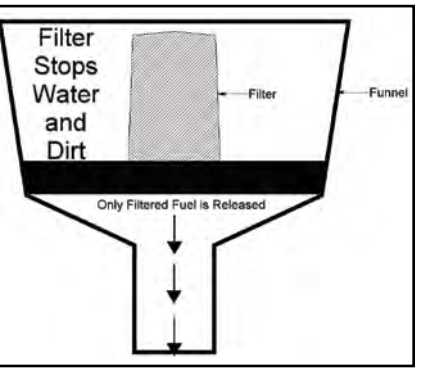
P/Ns F1C, F3C, and F8C

Fuel filter funnel stops water and dirt. The Teflon coated stainless steel filter is so fine that water cannot get past it! Works with all aviation fuels, gasoline, diesel and kerosene.

- Tested and proven in rugged Arctic environment
- Expected 10 year life
- Fast flow rates
- Self cleaning lifetime filter
- Filter stops water and dirt
- Conductive plastic







P/N	Size	GPM
F1C	6" X 3.5"	2.7 Gallons per minute
F3C	8.75" X 5.5"	3.5 Gallons per minute
F8C	10" X 8.5"	5.0 Gallons per minute
Mfg by Hopkins Manufacturing Corp.		

Stabilizer Jack Screw Pin Removal Tool for Cessna Aircraft

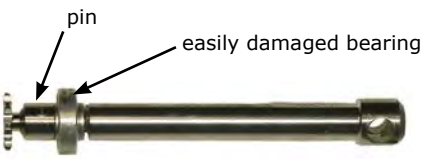
P/N TOOL131

- For Cessna 180/182/185 jack screws
- Easily and safely remove and install your roll pin with the turn of a wrench
- No more damaging your jack screw by using a punch and hammer
- Manufactured with hardened stainless steel for increased tool life
- Works only with the larger McFarlane pin sold with P/N 1111
- Includes adapter Barrel P/N 7011 for installation of new roll pin

See improved McFarlane Stabilizer Jack Screws in the Flight Control section of our catalog!



P/N 7011
also sold separately





Pin Punch Set with Replaceable Tips

Save money on repetitive tool replacement!
P/N TOOL127

How many times have you reached into your toolbox for a pin punch only to find the tip bent or broken from the last job? The **McFarlane pin punches** feature economical replaceable tips. Spare tips are even included with every set. Simply replace the tip as necessary.
No more wasted money on fragile pin punches!





Superior Material for Longer Tip Life

Traditional pin punches easily bend or distort. McFarlane has solved this problem by using work hardened extra tough steel. McFarlane work hardened punches provide you with superior driving ability.

Features and Benefits

- Convenient shadowed case
- Economical replacement tips in three different lengths
- Shock absorbing grip — stops "finger sting"
- Hardened tool steel handle
- Work hardened extra tough steel tips

Pin Punch Set Contents

This convenient set includes three common pin punch sizes: 1/16", 3/32", and 1/8". Two long, four medium, and two short tips are included for each size. You can use a short stable tip to start driving the pin out and then change to a longer tip when you need more length to finish the job.

Scan the code to watch our product tutorial!

https://youtu.be/G71FIL1k_pI

CAUTION: Always wear eye protection when using punches. Do not reuse broken punch tips.

Replacement Tips		
P/N	**Description**	**Package Qty**
704KT	Punch Assortment, 1/16"	2 short, 4 med., 2 long
704LR	Punch Refill, Long, 1/16"	5
704MR	Punch Refill, Med, 1/16"	5
704SR	Punch Refill, Short, 1/16"	5
706KT	Punch Assortment, 3/32"	2 short, 4 med., 2 long
706LR	Punch Refill, Long, 3/32"	5
706MR	Punch Refill, Med, 3/32"	5
706SR	Punch Refill, Short, 3/32"	5
707KT	Punch Assortment, 1/8"	2 short, 4 med., 2 long
707LR	Punch Refill, Long, 1/8"	5
707MR	Punch Refill, Med, 1/8"	5
707SR	Punch Refill, Short, 1/8"	5

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna Brake Line Fairing Extrusion

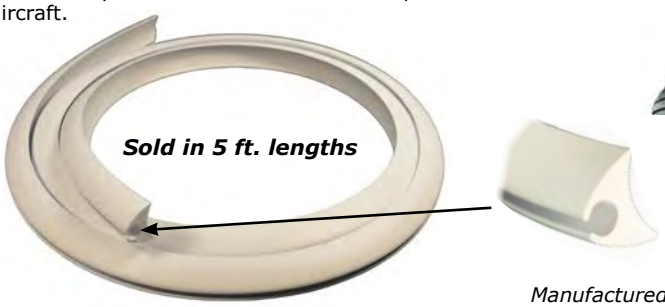
Reduce Drag! P/N P580058
Replaces P/N S1511-1

- Paintable
- Easily attaches with super glue

White rubber extrusion that attaches to the trailing edge of flat Cessna landing gears and serves as a fairing for the brake line.

This extrusion was original equipment on later model aircraft with flat gears. Many mechanics use this as an improvement for the earlier aircraft.





Manufactured by Cessna Aircraft Company

U-Joint Taper Pin Removal Tool for Piper Control Yoke

P/N TOOL107

- Save time and money
- Makes removal of stuck pins easy
- Prevents damage from hammering behind the panel
- Compact to get in tight places
- Heat treated 4140 Alloy Steel



McFarlane Aircraft Tire Balancers

Tire balance is now fast, accurate and affordable!
Aircraft tires spin 1.6x faster than car tires.
Out-of-balance tires cause a long list of maintenance problems:

- Uneven tire wear
- Premature bearing wear
- Shimmy and resulting torque link damage
- Destructive and distracting airframe vibration

McFarlane's tire balancer is a suspension tire balancer with a patented design featuring a pivot point that is easily adjustable on-the-fly for maximum balance sensitivity. It is small enough to fit in a tool box and doesn't require a bulky stand. The McFarlane design is more precise than other static balancing methods, and allows the wheel and tire to be balanced with the bearings and seals installed.

It's fast and easy. Due to the horizontal balancing orientation, test weights can be temporarily set in place and easily adjusted while balancing. This eliminates the need to tape the test weights. The McFarlane tire balancers are precision machined with a black, hard anodized finish, and comes in an oiled wooden case. This is a ***lifetime tool*** that fits almost all light aircraft wheel/tire assemblies.

- On-the-fly adjustable pivot point for maximum sensitivity (U.S. Patent No.9,032,793 B1)
- Portable – small enough to fit in your toolbox
- Does not require removal of bearings or seals
- Complete instructions included
- Multiple models and add-on bushing kits to accommodate ¾", 1", 1¼", 1⅛", 1⅝", and 2" axles
- Conveniently packaged in a durable wooden box
- Doubles as a propeller balancer when used with our optional bushings



Part Number	Description
TOOL128	Tire balancer for ¾" diameter axles (common on experimental aircraft)
TOOL129 (Supersedes TOOL108)	Tire balancer for 1", 1¼", and 1½" axles, including Cessna 300 and 400 Series tapered axles with 1½" and 1" bearing bores.
TOOL129 LA-KT	Large Axle Bushing Kit for 1⅝" and 2" axles (compatible with TOOL129 only)
TOOL108 LA-KT	Large Axle Bushing Kit for 1⅝" and 2" axles (compatible with TOOL108 only)



P/N TOOL129



Costs less and is more accurate than axle style balancers.

Now available to accommodate standard and taper axle sizes ranging from 3/4" to 2".



P/N TOOL129 LA-KT

McFarlane Aircraft Propeller Balancing Bushing Kit

Fine tune propeller balance with this accurate and easy to use bushing kit!

An out of balance propeller can lead to harmful vibrations and costly aircraft maintenance.

Costly issues that may arise from an out of balance propeller include:

- Excessive load on crankshaft bearings
- Cracking of propeller and spinner bulkheads
- Engine mount wear and deterioration
- Distracting airframe vibration

P/Ns:
TOOL129 P1-KT (Compatible with TOOL129 Only)
TOOL108 P1-KT (Compatible with TOOL108 Only)




P/N TOOL129 with TOOL129 P1-KT

The McFarlane Propeller Balancing Bushing Kits are add-ons for either P/N TOOL129 or P/N TOOL108 tire balancers. These bushing kits make it possible to check the static balance of a propeller quickly and accurately.

- More accurate than knife edge and mandrel methods
- Allows for a quick check after minor repairs
- Durable wooden storage box
- Works with nearly all fixed pitch propellers
- Includes one 2¼" diameter bushing for SAE standard crankshaft bores, two cone bushings for the other side of the hub for bores ranging from 2¼" to 5⅛" diameter and complete instructions [1]

[1] Instructions cover the use of the tool for checking balance. Propeller manufacturer and FAA guidance must be used when changing the balance of a propeller; some manufacturers require the use of an authorized propeller repair station.

Part Number	Description
TOOL129 P1-KT	Propeller balancing bushing kit (compatible with TOOL129 only)
TOOL108 P1-KT	Propeller balancing bushing kit (compatible with TOOL108 only)

PROP GUARD Installation Tool

Saves time and makes installation easier!
P/N TOOL125

This rubber coated roller makes working air bubbles out during installation easier than using the spatula included with the PROP GUARD kits. The rubber conforms to the shape of the propeller, and the rolling action allows you to press harder to eliminate small air bubbles. It is recommended for customers who may be installing more than one PROP GUARD or those who just want to make the job faster and easier.



Seat Rail Wear Gauge for Cessna Aircraft

Checks seat rail wear limits as per FAA AD 2011-10-09 Seat Rail Directive

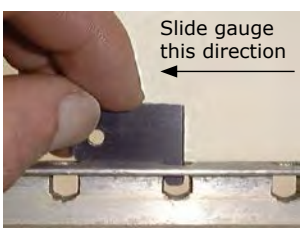
Fast and Positive - No More Guessing!!

- Precision machined heat treated steel
- Best way to check seat rails for the limits defined by FAA AD 2011-10-09
- Save time and $$$

Our Seat Rail Wear Gauge is designed to check for seat rail pin engagement hole wear on Cessna aircraft, as required by FAA AD 2011-10-09. This gauge is designed to measure the actual radius wear near the seat stop holes and allows for the 0.020" upper surface wear permitted by the AD.



1. Place the gauge into each hole location showing wear.



2. Slide gauge back along **top center** of the rail until it contacts the hole edge. Make sure to keep the gauge parallel and square to the unworn rail surface.



3. If the step touches the rail, lifting the gauge up, the wear is less than 0.42. If the step **does not** touch the rail, the wear is more than 0.42 and the seat rail must be replaced.





Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Seat Roller Housing Gauge for Cessna Aircraft

P/N TOOL110

- Hardened Stainless Steel
- Save time! Two times faster than calipers
- Step by step instructions
- Measures all three dimensions

Scan the code to watch our product tutorial!

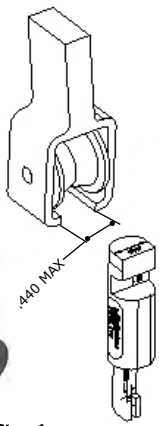
https://youtu.be/qeCq6I1uFws

Checks Cessna seat roller housing limits as per FAA AD 2011-10-09

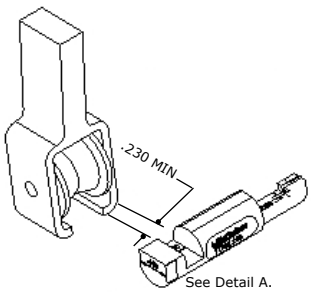
The McFarlane Seat Roller Housing Gauge is designed to facilitate inspection of seat roller housings for wear in Cessna aircraft as required by mandatory FAA AD 2011-10-09. This gauge simplifies determining whether the housing is in or out of tolerance by allowing the areas of concern to be gauged as opposed to measuring each individual attribute on each seat roller housing with calipers.

P/N TOOL110

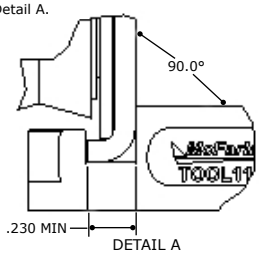


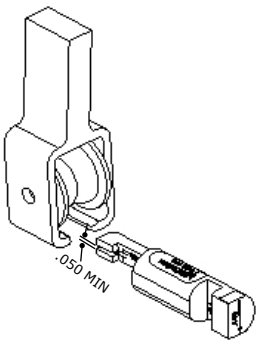


Step 1.
.440 gauge surfaces must not enter space between housing tangs.

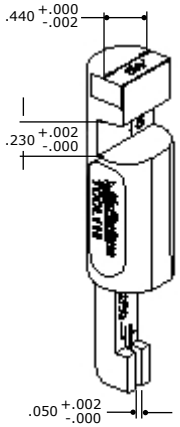


Step 2.
The bend area of the tang must not enter the space on the gauge marked .230. See Detail A.





Step 3.
The .050 space on the gauge must not fit on the worn area of the tang.



To calibrate; ensure gauge dimensions are within the tolerances shown.

.440 + .000/-.002
.230 + .002/-.000
.050 + .002/-.000

Cessna Bonding Straps

FAA-PMA approved direct replacements for 1517102 series bonding straps

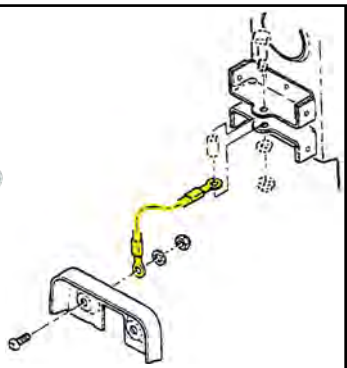
Frequently replaced! Offered at a fraction of the price



P/N MC1570102-1



P/N MC1570102-29



See our **Flight Control Surface and Attaching Hardware** section of the catalog for aircraft eligibility

Buss Fuses

Hard to find 9/32" OD
4AG/AGS/ABS Series

The 4AG series fuses are commonly specified in older aircraft. About 30 years ago Buss superseded them to the obsolete AGS series fuses. Even this newer series, is now leaving many aircraft owners struggling to find replacements.

The AGS fuses are now being replaced by ceramic ABS series of fuses that have the same electrical and thermal performance. McFarlane now has all three series (4AG, AGS, ABS) with a mix of new and new surplus fuses in stock.

Note: AGC series auto fuses are smaller (1/4" OD) and have different thermal properties than the 4AG/AGS/ABS fuses.

- Glass or ceramic tube, 9/32" X 1-1/4"
- Part numbers 4AG-#, AGS-#, or ABS-# Where # indicates current rating in Amps (1 to 40 Amps)
- Sold in packs of 5 each



Placards

Commonly replaced placards available!

Each placard measures 3½" X 1¼"



Manufactured by J&M Aircraft

P/N	Description
JM-005	No Step
JM-006	No Push
JM-007	No Lift
JM-008	Lift Here
JM-012	80-87
JM-013	100/130
JM-014	Auto Fuel
JM-015	No Smoking
JM-016	External Power 12 Vol
JM-017	External Power 24 Vol
JM-018	Aux Tank
JM-019	Zero Fuel Weight
JM-020	Max. Baggage Weight
JM-021	Jet Fuel Only
JM-022	Avgas Only
JM-023	Fasten Seat Belt
JM-028	Door Warning
JM-100	100LL

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov



Nose Gear Gravel Deflector

Protect your cargo pod from costly rock damage

- Deflect rocks from belly, antennas, and cargo pod
- For maximum equipment protection, install the Main Gear Gravel Deflector and the Nose Tire Scraper
- Also great for operating from paved surfaces!



Manufactured by AeroTwin

Aircraft	P/N
Cessna	
206, 206H, T206H[1], P206, P206A,B,C,D,E[1], TP206A,B,C,D,E[1] TU206A,B,C,D,E,F,G[1] U206, U206A,B,C,D,E,F,G[1]	NGD6-100
208, 208B	NGD8-100
Quest/Daher	
Kodiak 100	NGDQ-100

Notes:
[1] Only approved with the Airglas large nose fork

Floatplane Steps and Handles

Safely climb onto your aircraft with P/N FP8-100

Provides access to the top of the wing for fueling without a ladder.

- Easily and safely fuel your aircraft
- Designed for floatplanes, but can be used on land-based 208 aircraft
- Only applicable for 208 model
- Acceptable Alternate Method of Compliance (AMOC) to AD 2006-01-11 for 208's not approved for flight into known icing

NEW

Manufactured by AeroTwin

Main Landing Gear Gravel Deflector

Prevent damage to the stabilizer and aft fuselage

- Deflect rocks from stabilizer and fuselage
- Keep mud, snow, and rocks off of your wings
- Installation requires no additional holes in the structure



Aircraft	P/N	Applicable w/ STC Installed
Cessna		
180, 180A,B,C,D,E,F,G,H,J,K	GD5-100	SA02022AK
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q[2]	GD5-102	
185, 185A,B,C,D,E, A185E,F	GD5-105	SA4622NM
P206, P206A,B,C,D,E[1], TP206A,B,C,D,E[1]	GD6-100	
TU206A,B,C,D,E,F,G[1], U206, U206A,B,C,D,E,F,G[1]	GD6-200	
207, 207A, T207, T207A	AT-GD-1001	SA4623NM
208, 208B	GD8-100	
Quest/Daher		
Kodiak 100	GDQ-100	

[1] For big tires, use P/N GD6-200
[2] S/N 33000 thru 18266590

Manufactured by AeroTwin

Nose Tire Scraper

Shield your propeller from gravel, sand, and water damage!
P/N ATI-208TS fits Caravan 208, 208B with STC SA2335NM installed
P/N TSQ-100 fits Quest/Daher Kodiak 100

- Easily install in under 20 minutes
- Rubber scraper knocks rocks out of the tire tread to keep them from being flung forward though the prop
- Replacement rubber scrapers are available



Manufactured by AeroTwin

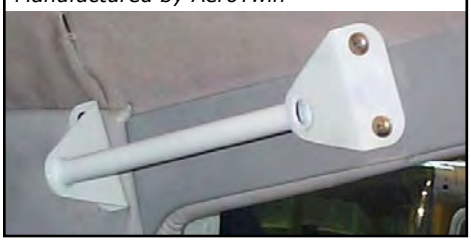
Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Ice Inspection Handle

P/N 208-ICE-HNDLE

- Save $$$
- Complies with AD 2006-01-11

Manufactured by AeroTwin



Tail Slide Abrasion Guard

P/N TAIL SLIDE ABRASION GUARD

Guards the Tail Slide section most affected by damage

- Abrasion-resistant steel
- Ideal for flight training purposes





Manufactured by Middle Fork Mods

Entry Step

Stronger and corrosion resistant
P/N 8013-01

- FAA-PMA approved
- Left and right step are universal
- Reinforced corner for strength
- Powder coated white

FAA-PMA Approved Aircraft
170 thru 170B
180 thru 180F
185 thru 185E

Manufactured by F Atlee Dodge

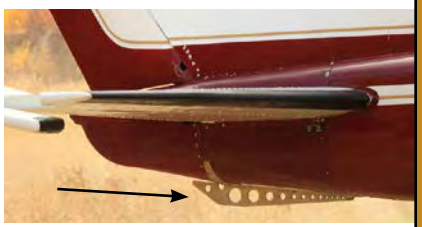


Tail Slide

STC approved for Cessna aircraft

Protect your aft bulkhead in the case of an accidental tail strike! Perfect for flight training and rough fields

- Made from high-strength aluminum
- Epoxy-primed and ready for paint!
- Tail Slide Abrasion Guard available separately



Prevents tail cone and bulkhead damage





Stencils included

Manufactured by Middle Fork Mods

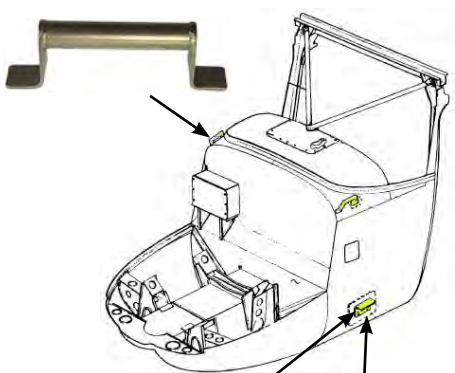
Aircraft	P/N
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S, 172RG, F172D,E,F,G,H,K,L,M,N,P, F172P, FP172, FR172E,F,G,H,J,K, R172E,F,G,H,J,K, P172D	TAIL SLIDE 172 KIT
175, 175A,B,C	TAIL SLIDE 172 KIT
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T, R182, T182, T182T, TR182	TAIL SLIDE 182-210 KIT
210-5 (205), 210-5A (205A)	TAIL SLIDE 182-210 KIT
206, 206H, T206H, P206, P206A,B,C,D,E, TP206A,B,C,D,E, TU206A,B,C,D,E,F,G, U206, U206A,B,C,D,E,F,G	TAIL SLIDE 182-210 KIT
207, 207A, T207, T207A	TAIL SLIDE 182-210 KIT
210, 210A,B,C,D,E,F,G,H,J,K,L,M,N,R, P210N,R, T210F,G,H,J,K,L,M,N,R	TAIL SLIDE 182-210 KIT

Boot Cowl Handle

Slightly larger to accommodate gloves!
P/N 3354H

180H,J, A185E,F, U206/TU206A,B,C,D,E,F,G, P206/TP206A

- May not match up with existing bolt pattern due to alternate styles used by OEM
- Undrilled
- Replacement for P/N 0713191-1
- FAA-PMA



Boot Cowl Step

Larger size to accommodate hunting and fishing footwear!
P/N 3354S

U206/TU206A,B,C,D,E,F,G, P206/TP206A

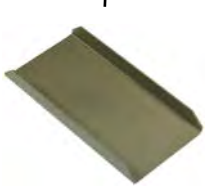
- Undrilled
- White powder coating
- 2 per aircraft
- Direct replacement for P/N 124022-5
- FAA-PMA



Boot Cowl Doubler

P/N 3354D

Doubler P/N 3354D is a convenience item useful for reinforcing the mounting locations for P/N 3354H and 3354S Boot Cowl Handles and Steps. For mounting locations that do not have enough clearance for the doubler the installer must rely on existing stringers, other existing structure, and/or a custom fabricated doubler. It is up to the installer to verify the structural integrity of the attachment.



Manufactured by F Atlee Dodge

V Brace Assembly

Durable, High Quality Construction!
FAA-PMA approved for Cessna 180 thru 206 models

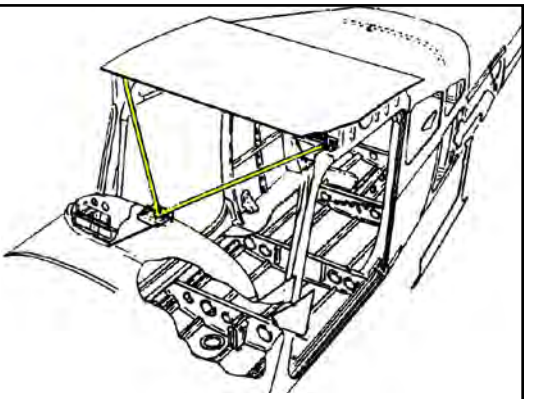
- Thicker baseplate and feet to prevent cracking
- Stainless steel
- Save $$$
- Longer service life

Aircraft	P/N
180, 180A,B,C,D,E,F,G	180VBE[1] AD0513003-19
180H,J,K	AD0713103-2
185, 185A,B,C	AD0513003-19
A185E,F	AD0713103-2
206, U206, T206A-G, U206A-G	AD1242001-18
207, T207	AD1242001-18

Notes:
[1] 180, 180A,B only


P/N 180VBE


P/N AD1242001-18


Manufactured by F Atlee Dodge

Folding Rear Seats

Convert from people to cargo in just a few minutes!
P/N 3187 (includes the left and right seats)
170 thru 170B, 172 thru 172S, 175 thru 175C, 180 thru 180K, 182 thru 182D

P/N 3187-182E[1] (includes the left and right seats)
[1]FAA Approval Pending
182E thru 182T, 185 thru A185F

The FAA-PMA/STC approved folding rear seats replace the existing bench seat and increase the flexibility and utility of your airplane. The seats can be independently folded forward, stowed to the side, or totally removed in minutes to allow cargo and passenger configurations.

- Easy access to baggage
- Easier access to the tail cone for maintenance
- Increased payload! About 20 pounds lighter than the original bench seat



Frees wasted space
The original bulky bench seats take nearly twice as much floor space as the compact, yet comfortable folding seats.

20 Pounds Lighter!

- 50% more baggage space
- More leg room

Convenient installation kit
Seats are sold in pairs (left and right) as a kit with all required installation hardware, including mounting tracks that attach to the floor and side door frame. (Seat belts, upholstery, cushioning, and stowage straps/bungees not included).

Upholster to match your interior
This is not a "jump seat" or "utility seat". You don't have to sacrifice comfort and style. Seats provide room for a cushion and upholstery up to 2 inches thick. Match your interior for an attractive and comfortable finish.



Manufactured by F Atlee Dodge

Heavy Duty Seat Back Frame

Heavy Duty - 10 oz. heavier with less tendency to wear out!
P/N 3226
Replaces P/N 1214012-1 and 1214012-4
FAA-PMA approved for Cessna 206 aircraft



Manufactured by F Atlee Dodge

Firewall Mounted Battery Rack

Easier access and less weight!
P/N 8008

Quick and easy mounting
The Firewall Mounted Battery Rack mounts on the firewall on existing stringers or channels, allowing for quick and easy mounting and easier servicing with no extra support required.

Shorter wiring
With shorter wiring, power loss from long wires is eliminated and starting is improved.

- Designed for Lightweight Dry Cell Battery, P/N 0769-4005
- FAA-PMA/STC approved

Saves 19 Pounds!

Manufactured by F Atlee Dodge

Model
150K, A150L, F150K, FA150K
170, 170A,B
172B,C,D,E,F,G,H,I,K,L,M,N,P
F172D,E,F,G,H,K,L,M,N,P
R172E,F,G,H,J,K
175, 175A,B,C
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B,C,D,E,F,G,H
185, 185A,B,C,D,E, A185E,F



Lightweight Dry Battery: 680 Amps

Superior vibration resistance
P/N 0769-4005

- Big power in a little box
- Leak proof, high G rated
- 6 to 10 year service life
- Can be used with battery rack P/N 3304 or 8008
- FAA-PMA and FAA-STC

Saves 15 Pounds!



Manufactured by EnerSys Energy Products

Oil Filters, Spark Plugs, and Air Filters

Available for Cessna, Piper, Maule, and more
See Firewall Forward section of the catalog for aircraft eligibility



Manufactured by Tempest

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cargo Tie Down

Secure your cargo
TDC-208

FAA-PMA/STC approved for Cessna 208 and Piper PA-31 models
Clamps to seat rails to provide tie down points to secure cargo

- 4 required for every 100 lbs of cargo
- Anodized aluminum for durability



P/N TDP-31



P/N TDC-208

Manufactured by F Atlee Dodge

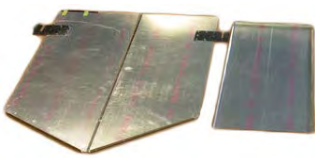
Model	Part Number
Cessna	
208, 208A,B	TDC-208
Piper	
PA-31, PA-31-300,325,350, PA-31P, PA-31P-350, PA-31-T, PA-31-T1, PA-31-T2, PA-31-T3	TDP-31

Note: This product is not to be used as a seat stop.

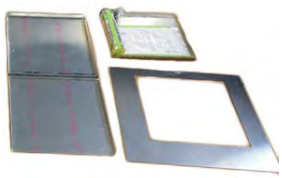
Extended Baggage Kit for PA-18 "150" Series

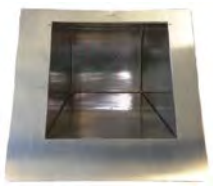
No welding required - Extends baggage area by almost 3 feet!
P/N 2103

- FAA-PMA/STC approved for most PA-18 aircraft
- Requires PA-18 "150" fuselage or equivalent previously approved 1750 lb gross weight modification at longitudinal station 99.0
- No welding required, may be assembled with blind or solid rivets
- Approx. compartment dimensions: 14" high X 15" wide X 35" deep
- Rated for 20 lbs of baggage









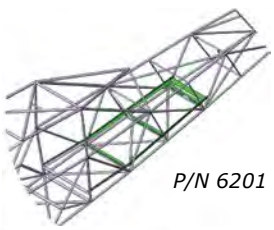
End view

Manufactured by F Atlee Dodge

Weld-In Extended Baggage Kit for PA-18 and PA-19 Series

Large volume for bulky, light-weight cargo!
P/N 6201

- FAA-STC approved for PA-18 and PA-19 aircraft
- Weld-In modification consisting of steel support frame and support tabs
- Great for storing wing covers, engine blankets, sleeping bags, paragliding sails and more
- Approximate dimensions: 22-1/2" wide at the front X 17-1/2" wide at the back X 43-1/2" deep
- 10 lb maximum load



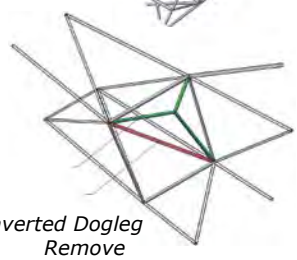
P/N 6201

Inverted Dogleg STC for PA-11, PA-12, PA-18 and PA-19 Series

Makes loading baggage easier! STC SA02436AK

- Relocates the diagonal tube to the upper right corner
- FAA/STC approved for PA-11, PA-12, PA-18 and PA-19 aircraft
- Allows easy access to the aft baggage area from the baggage door
- No more catching your gear when removing it from the extended baggage area
- Longer cargo can be placed at an angle for easier insert/removal through the baggage door

Manufactured by F Atlee Dodge



Inverted Dogleg Remove

Heavy Duty Main Landing Gear

2000 lb gross weight model
FAA-PMA/STC approved

PA-18 and PA-19

Make sure your landing gear can take the abuse!

Standard Height Gear
1-1/4" axle use P/N 3225-1 (LH) and 3225-2 (RH)[1]
1-1/2" axle use P/N 3225-1A (LH)[1] and 3225-2A (RH)[1]

3" Extended Height Gear
1-1/4" axle use P/N 3284-1 (LH) and 3284-2 (RH)
1-1/2" axle use P/N 3284-1A (LH)[1] and 3284-2A (RH)[1]

The 3" extended landing gear gives more height and prop clearance, which is especially important for sand or gravel landings. Powder coat finish. Also available with Epoxy primer, Gloss White, or 20% Semi-gloss for additional charge.



Note:
Can be used on models J-3, PA-11,12,14, but requires another STC mod involving additional parts and welding. Call for more information.
[1] FAA Approval Pending

Manufactured by F Atlee Dodge

Aircraft Tie-Down Brackets for PA-12, PA-18 Series

Prevents failure at the lift strut attach point
P/N 3197

Designed to take the load off the attach point

- Sold individually
- Uses 2 per aircraft
- FAA-PMA/STC approved



Manufactured by F Atlee Dodge

Cabane Vee

Alaska tough!
P/N 3166-1 and 3166-2

FAA-PMA/STC approved for Piper

- Beefed up in the right places
- Tough powder coat finish
- Available in Gloss White for additional charge
- 2 sizes: stock and 3" extended gear



Manufactured by F Atlee Dodge

Model	Part Number
PA-12, PA-12S	3166-2
PA-14	3166-2
PA-18, PA18-105, PA-18-125, PA-18-135, PA-18-A135, PA-18-150, PA-18-A150	3166-1

Main Gear Shock Struts

Heavy duty, but lightweight!
Uses (2) per aircraft, sold individually

- PA-12, PA-12S, PA-14, PA-18, PA-18-135, 150, PA-18-A135, A150, PA-18 with standard landing gear use **P/N 3164-1**
- PA-12, PA-14 with standard landing gear use **P/N 3164-2**
- PA-18 with 3" ext. landing gear use **P/N 3164-3**
- PA-12, PA-14 with 3" ext. landing gear use **P/N 3164-4**
- For standard or 3" extended landing gear
- Powder coat finish; also available with Epoxy primer, Gloss white, or "Wolf Hunter" Black for additional charge



Manufactured by F Atlee Dodge

Safety Cables

Don't let a bungee failure cost you an airplane!



Model	Part Number
PA-12, PA-12S, PA-14	2089-12 [1] 3344-12 [2]
PA-18 and PA-19	2089-18 [1] 3344-18 [2]

Notes:
[1] With standard gear use
[2] With 3" extended gear use

Heavy 1/4" cable will get you home!

Manufactured by F Atlee Dodge

Spar Reinforcing Strut Bracket

Spreads out lift strut spar loading
P/Ns 3192-12 and 3192-18
PA-12, PA-14 series use **P/N 3192-12**
PA-18, PA-19 series use **P/N 3192-18**

Protrudes out of wing and attaches to lift strut. Prevents spar flex by reinforcing the front.

- Install during wing maintenance
- Stainless steel construction, powder coated white
- FAA-PMA/STC approved



Manufactured by F Atlee Dodge

Refueling Step

No more step ladders
P/N 3190/-10, 3190/-11, 3190/-12
FAA-PMA/STC
J3C-65, J3F-50, J3F-60, J3F-65, J-3L, J3L-65, J-4, J-4A, J-4B, J-5A, J5C, PA-11, 12, 14, 15, 16, PA18-105, 125, 135, A-135, 150, A-150, PA-19, PA-20, PA-20-115, PA-20-135, PA-22-108, 135, 150, 160

Clamps onto main gear leg for easier refueling

Select P/N by landing gear front tube OD:

1.25" OD use **P/N 3190/-10**
1.375" OD use **P/N 3190/-11**
1.5" OD use **P/N 3190/-12**

Powder coated white. Available 20% Semi-glossfor additional charge.



Rear Seat Heater for PA-18 Series

A must for winter flying
Alaska proven!
P/N 3175

- Heater modification using warm exhaust heat to heat back seat
- Requires some modification to the firewall
- Complete with firewall valve and control
- FAA-PMA/STC approved



Manufactured by F Atlee Dodge

Log book entry only; no FAA 337 form required

Main Gear Long Step

Easy clamp-on modification
Much easier cabin entry
P/N 3195
AE-1, HE-1, J3, J4, J5, PA-11, PA-12, PA-14, PA-18, PA-19

The Main Landing Gear Long Step is usable on both sides of the aircraft as an entry step or refueling step.

Heavy tube with 3 sizes of clamps.

- A must for bush gear and tires
- Alaska tested
- Durable non-skid surface stays on
- Powder coated white for durable corrosion resistance
- FAA-PMA/STC approved

Available in 20% Semi-gloss at no additional charge



Manufactured by F Atlee Dodge

Safari Seat for PA-18 and PA-19 Series

P/N 6151
Easily installed and removed
Clamps in and designed for easy removal with quick release pins.

Weight saver
Lightweight folding rear seat saves 10 pounds over existing seat.
FAA-PMA/STC

Folding rear seat!

Saves 10 Pounds!



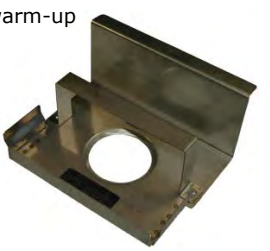
Manufactured by F Atlee Dodge

Under Seat Battery Rack for PA-18 and PA-19

Easy battery removal
P/N 3304
Mounts under front seat for easy removal and warm-up of battery.

- Uses FAA-PMA Battery P/N 0769-4005
- FAA-PMA/STC approved

Saves 15 Pounds!



Manufactured by F Atlee Dodge

Folding Front Seat and Seat Kit for PA-18 and PA-19 Series

Makes entry and loading much easier!
P/N 3186-1A
STC direct replacement and bolt in replacement seat



P/N 3186-KIT
FAA-PMA/STC kit to modify your seat



Manufactured by F Atlee Dodge

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Removable Rear Seat Crossbar

Makes loading easy
P/N 3146-1
PA-18-105, 125, 135, 150, PA-18S-105, 125, 135, 150, PA-19S, PA-19

- FAA-PMA/STC approved
- Install instructions, pins, and blocks included

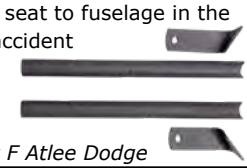


Manufactured by F Atlee Dodge

Pilot Seat Belt Attachment Kit

Weld on front seat belt attach kit!
P/N 3246
PA11, PA11S and PA18 series aircraft

- Relocates seat belts to floorboard
- Secures pilot seat to fuselage in the event of an accident
- FAA-PMA



Manufactured by F Atlee Dodge

Brake Reinforcing Channel for PA-18

FAA-PMA

No more cracking!
P/N 4231

- Made with 4130 steel for durability
- Located under the brake system and the front seat (the brake pedal is attached to the brake channel)



Manufactured by F Atlee Dodge

Firewall, Stainless Steel and Titanium

P/N 8007-01 for Stainless Steel
P/N 8007-02 for Titanium
PA-18, PA19, and PA19S Series

- Replaces P/Ns 12365-003, 12365-005, 12365-007 and 12365-009
- Titanium is 2.8 pounds lighter than stainless steel



Manufactured by F Atlee Dodge

Upper and Lower Cowl Channel for PA-18

No More Rust or Vibration
Upper P/N 3276
Lower P/N 3277

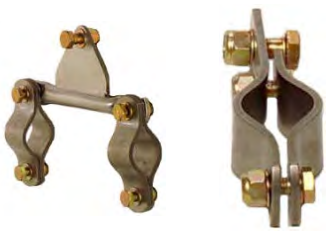


- Stainless steel - Eliminates rust and vibration failure
- No pre-drilled holes, allowing for a precise fit
- Sold individually: (2) upper and (2) lower required per aircraft
- FAA-PMA

Manufactured by F Atlee Dodge

Front and Rear Shoulder Harness Attach Bracket

Make your Cub safer!
Front Bracket P/N 3232-1
Rear Bracket P/N 3232-2
FAA-PMA for J-3C, 3F, 3L, J-5A,5B, 5C, PA-11, PA-11S, PA-12, PA-12S, PA-18

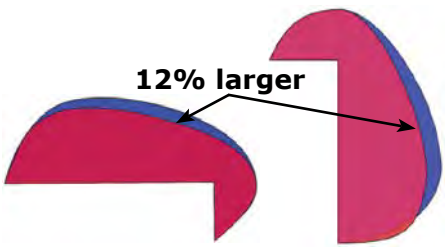


Manufactured by F Atlee Dodge

Oversize Rudders and Elevators

Increased control authority!
P/N AD15726OS (rudder)
P/N AD12770OS (elevator)
PA-12, PA-12S, PA-14, PA-18 Series, PA-19S

- Approximately 12% larger
- Powder coated grey with bushings installed
- FAA-PMA/STC approved



P/N AD12770OS *P/N AD15726OS*

Manufactured by F Atlee Dodge

Silver Aircraft Ski Spring

Consistent tension regardless of temperature
P/N 2097
J3, PA-11, PA-12, PA-14, PA-18, PA-19, PA-20, PA-22

- Replaces ski bungee
- FAA-PMA/STC approved



Manufactured by F Atlee Dodge

Weld on Float Fittings

Better than cheap copies
P/N 3143-12
PA-12, 12S, PA-14

P/N 3143-18
PA-18S-125, PA-18AS-125, PA-18S-135, PA-18AS-135, PA-18S-150, PA-18AS-150





Copied but never duplicated!

Beefy, heavy construction, made from 4130 alloy steel

- Used with Aerocet, Bauman, and EDO floats
- Sold in pairs - FAA-PMA/STC

Manufactured by F Atlee Dodge

Husky Main Landing Gear

Heavy Duty!
P/N AD45017-501HD
P/N AD45017-502HD
A-1, A1A and A1B series Aviat Husky aircraft

- 1.3 lbs. heavier per side
- Used primarily on aircraft equipped with skis
- Replaces P/Ns 45017-501 and 45017-502

Manufactured by F Atlee Dodge



Flight Control Cables and Chains

McFarlane stocks complete kits and sub-system kits (aileron, elevator, flap, rudder, etc.) containing all cables and chains for your aircraft. See Flight Control System section of our catalog for details!

- Improved terminal to increase strength
- Offset chain link eliminates binding
- Longer service life
- FAA-PMA approved

Save thousands $$$ when purchasing a complete cable and chain kit!

Complete Aircraft Kits		
Serial Number	**P/N with autopilot**	**P/N without autopilot**
20800001 thru 20800081	CCKT208-03	CCKT208-01
20800082 thru 20800499	CCKT208-04	CCKT208-02
20800500 thru 20899999	CCKT208-05	CCKT208-02
208B0001 thru 208B1999	CCKT208B-02	CCKT208B-01
208B2000 thru 208B9999	CCKT208B-03	CCKT208B-01



208B S/N 208B0001 thru 208B9999		
Qty	**P/N**	**Location**
1	MC2660001-100	Elevator
1	MC2660001-102	Elevator
1	MC2660001-104[1]	Rudder
2	MC2660001-105	Flaps
1	MC2660001-107	Rudder
1	MC2660001-109	Elevator Trim
1	MC2660001-110	Elevator Trim
1	MC2660001-112	Elevator Trim
2	MC2660001-114	Aileron
4	MC2660001-122	Aileron
1	MC2660001-123	Control Column Interconnect
1	MC2660001-124	Control Column Interconnect
1	MC2660001-125	Control Column Interconnect
1	MC2660001-126	Control Column Interconnect
1	MC2660001-147	Elevator
1	MC2660001-148	Rudder
1	MC2660001-149	Elevator Trim
1	MC2660001-150	Elevator Trim
1	MC2660001-151	Aileron
1	MC2660001-152	Aileron
1	MC2660001-153	Elevator
1	MC2660001-154	Rudder
2	MC2660001-157	Aileron
2	MC2660029-11	Aileron Trim
1	MC2660029-13	Aileron Trim
1	MC2660029-15	Aileron Trim
1	MC9864054-7	Flap Indicator
1	MCS2295-25-101	Chain Elevator Trim[2]
1	MCS2295-25-107[3]	Chain Pitch Trim Servo[4]
1	MCS2295-25-247	Chain Elevator Trim
1	MCS2295-25-35	Chain Aileron Trim
1	MCS2295-25-43	Chain Aileron Trim
2	MCS2295-25-87	Chain Elevator Trim
24	MCS2294-25	Chain Connecting Link

[1] S/N 208B0001 thru 208B2012, 208B2036, 208B2048 thru 208B9999
[2] When equipped with electric trim
[3] S/N 208B2000 thru 208B9999
[4] When equipped with pitch trim servo

208 S/N 20800001 thru 20899999		
Qty	**P/N**	**Location**
1	MC2660001-100	Elevator
1	MC2660001-101	Elevator
1	MC2660001-102	Elevator
1	MC2660001-103	Elevator
1	MC2660001-104	Rudder
1	MC2660001-106	Rudder
1	MC2660001-107	Rudder
1	MC2660001-108	Rudder
1	MC2660001-109	Elevator Trim
1	MC2660001-110	Elevator Trim
1	MC2660001-112	Elevator Trim
2	MC2660001-114	Aileron
1	MC2660001-118	Aileron LH
1	MC2660001-119	Aileron RH
4	MC2660001-122	Aileron
1	MC2660001-123	Control Column Interconnect
1	MC2660001-124	Control Column Interconnect
1	MC2660001-125	Control Column Interconnect
1	MC2660001-126	Control Column Interconnect
1	MC2660001-155	Elevator Trim
1	MC2660001-156	Elevator Trim
2	MC2660001-157	Aileron
1	MC2660029-13[1]	Aileron Trim
1	MC2660029-15[1]	Aileron Trim
2	MC2660029-4	Aileron Trim
1	MC9864054-9	Flap Indicator
1	MCS2295-25-101	Chain Elevator Trim[2]
1	MCS2295-25-107[3]	Chain Pitch Trim Servo[4]
1	MCS2295-25-247	Chain Elevator Trim
1	MCS2295-25-35	Chain Aileron Trim
1	MCS2295-25-43[1]	Chain Aileron Trim
2	MCS2295-25-87	Chain Elevator Trim
24	MCS2294-25	Chain Connecting Link

[1] S/N 20800082 thru 20899999
[2] When equipped with electric trim
[3] S/N 20800500 thru 20899999
[4] When equipped with pitch trim servo

Pulleys and Pulley Kits

We stock all pulleys required for your aircraft
Pulley kits contain all of the pulleys and cotter pins required for one aircraft

Save $$$



Model	Serial Number	Kit P/N
208	20800001 thru 20800145	PULL-KT-87
	20800146 thru 20899999	PULL-KT-88
208B	All	PULL-KT-89

D A M™ Aircraft Pulley Oil

20" Extension P/N 7249 now sold separately!

Featuring a re-designed needle oiler
Great for unreachable areas with traditional applicators

- Does not dry out and get sticky
- Loosens old stiff pulley grease
- Save the labor of re-oiling the control system every year!

Qty	Description
P/N PULLEY OIL KT	
1	Pint, Pulley Oil
1	Needle Oiler with Extension, .34 fl oz (10mL)
P/N PULLEY OILER KT	
1	Needle Oiler with Extension, .34 fl oz (10mL)
P/N PULLEY OIL	
1	Pint, Pulley Oil



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Aileron Trim and Flap Indicator Cables for Cessna Caravan

Better than the original for less!

- 60% more adjustability for longer service life
- Save $$$
- Metal fittings instead of weak plastic

McFarlane Brass Fitting

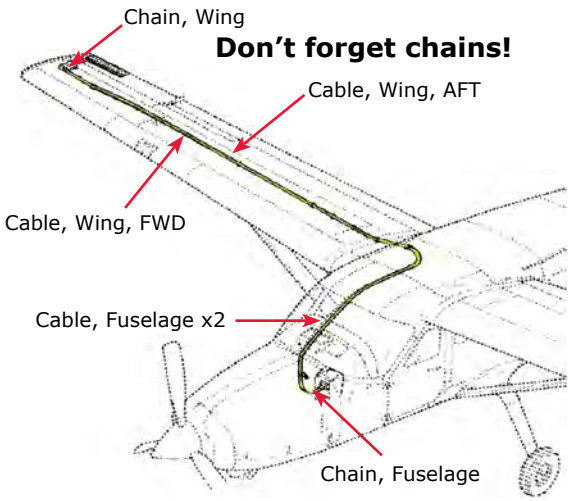


Cessna Plastic Fitting



Our brass terminals have a superior swage compared to the original plastic terminal



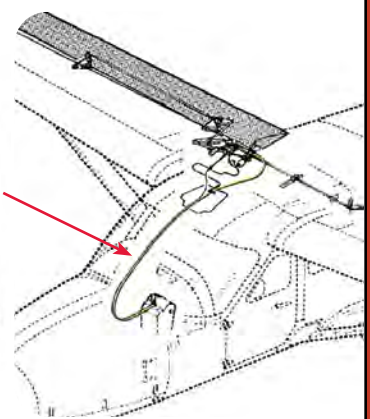




P/N MC2660029-4
Aileron Trim



P/N MC9864054-9
Flap Indicator



Model	Serial Number	Aileron Trim					Cable, Flap Indicator
		Cable, Wing, Fwd	Cable, Wing, Aft	Cable, Fuselage (2 per aircraft)	Chain, Wing	Chain, Fuselage	
208	20800001 thru 20800081	MC2660029-15	MC2660029-13	MC2660029-4	MCS2295-25-35	MCS2295-25-35	MC9864054-9
208	20800082 thru 20800499	MC2660029-15	MC2660029-13	MC2660029-4	MCS2295-25-43	MCS2295-25-35	MC9864054-9
208	20800500 thru 20899999	MC2660029-15	MC2660029-13	MC2660029-4	MCS2295-25-43	MCS2295-25-35	MC9864054-9
208B	208B0001 thru 208B1999	MC2660029-15	MC2660029-13	MC2660029-11	MCS2295-25-43	MCS2295-25-35	MC9864054-7
208B	208B2000 thru 208B2012	MC2660029-15	MC2660029-13	MC2660029-11	MCS2295-25-43	MCS2295-25-35	MC9864054-7
208B	208B2036 only	MC2660029-15	MC2660029-13	MC2660029-11	MCS2295-25-43	MCS2295-25-35	MC9864054-7
208B	208B2048 thru 208B9999	MC2660029-15	MC2660029-13	MC2660029-11	MCS2295-25-43	MCS2295-25-35	MC9864054-7

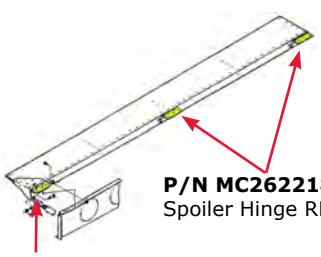
Caravan Spoiler Hinges

Improved McFarlane hinges feature selective fit components for a longer service life
P/N MC2622187-L replaces (2) each 2622187-7, and (1) each 2622226-1
P/N MC2622187-R replaces (2) each 2622187-7, and (1) each 2622226-2
FAA-PMA direct replacement for all Cessna Caravan 208, 208B

- Selective fit components
- Cadium plated stainless pins and alodined aluminum hinges for better corrosion resistance
- No looseness in the hinge to start vibration wear

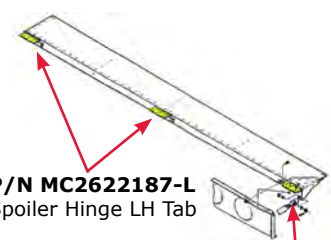






P/N MC2622187-R
Spoiler Hinge RH Tab

P/N MC2622187-L
Spoiler Hinge LH Tab



P/N MC2622187-L
Spoiler Hinge LH Tab

P/N MC2622187-R
Spoiler Hinge RH Tab

Aileron Trim Sprocket

P/N MC0761210-1
FAA-PMA approved

- Resists roll pin hole wear
- Stainless steel
- Roll pins in stock

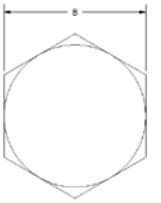


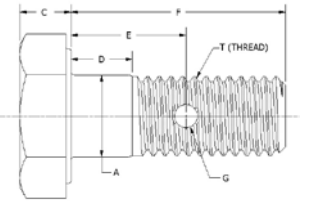
Save $$$

Bolt Style Wire Clamps

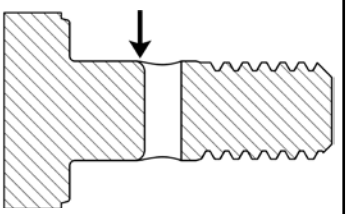
- Unique design to reduce wire stress
- Heat treated stainless steel for wear and corrosion resistance
- The best for less!
- FAA-PMA approved







Improved design!
Radius reduces stress on wire



Part Number	A Bolt Dia. (in)	B Wrench Size (in)	C Thick (in)	D Grip Length (in)	E Hole Position (in)	F Shank Length (in)	G Hole Dia. (in)	T Thread (~)	Application
MCS2323-3	0.250	7/16	0.156	0.188	0.199	0.539	0.073	1/4 - 28	flap indicator
MCS2323-5	0.188	3/8	0.125	0.125	0.188	0.531	0.073	10-32	cabin air, cabin heat, defrost, fuel shutoff, overhead air, oxygen, parking brake
MCS2323-8	0.188	3/8	0.125	0.250	0.202	0.656	0.096	10-32	oxygen control
MCS2323-11	0.188	3/8	0.125	0.250	0.266	0.656	0.076	10-32	bleed air control
MCS2323-13	0.250	7/16	0.156	0.313	0.271	0.781	0.073	1/4 - 28	bleed air diverter
MCS2323-19	0.188	3/8	0.125	0.125	0.200	0.531	0.094	10-32	defroster valve

Rod Ends for Cessna Caravan Aircraft

- FAA-PMA approved
- Newly expanded eligiblity now covers more application locations!
- Save $$$
- Corrosion protection
- Vast applications


MCS1104-3


MCS1105-3


MCS1106-3


MCS1106-4


MCS1819-4


S1107-3


S2022-3L


S2022-3

P/N	Application Location	Eligibility
MCS1106-3	Flap Actuator Push Rod	208, 208B
MCS1106-3	Inertial Seperator Actuator Push Rod	208, 208B
MCS1106-4	Inertial Seperator Control	208, 208B
MCS1104-3	Engine Controls	208, 208B
MCS1104-3	Engine Exhaust Duct	208, 208B
MCS1105-3	Cockpit	208, 208B
MCS1105-3	Engine Exhaust Duct	208, 208B
MCS1105-3	Flap Indicator	208, 208B
MCS1105-3	Rudder Gust Lock	208, 208B
MCS1819-4	Flap Control	208* S/N 0374 thru 20899999
MCS1819-4	Flap Control	208B* S/N B1048 thru 208B99999
S2022-3	Aileron/Spoiler Control (Nut P/N NAS1423-6)	208, 208B
S1107-3	Nose Gear Steering Rod	208, 208B
S2022-3L	Aileron/Spoiler Control (LH threads) (Nut P/N NAS1423-6L)	208, 208B
Note: Any P/N with the prefix "MCS" is a McFarlane product, "S" prefix are manufactured by Cessna Aircraft Company.		

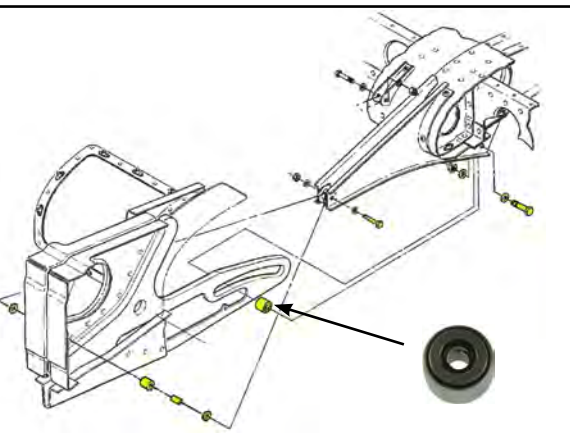
Rod End Dimensions		
Part Number	Bore/Eye	Thread
MCS1104-3	0.19	10-32 Internal
MCS1105-3	0.19	10-32 External
MCS1106-3	0.19	1/4-28 Internal
MCS1106-4	0.25	1/4-28 Internal
S1107-3	0.19	3/8-24 External
S2022-3	0.25	3/8-24 LH
S2022-3L	0.25	3/8-24 RH
MCS1819-4	0.25	1/4-28 Internal

Flap Roller Kits

Save time! P/N FLP-KT-12
Contains rollers, bushings, wear washers and hardware for one aircraft



Save $$$
MS21442-121
Bearings!



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Flap Indicator for Cessna Caravan

Reinforced wire hole with steel bushing!
P/N MC2662015-3
Fits all 208 and 208B aircraft

- More resilient to vibrations
- Bushing is cadmium plated for corrosion protection
- Flap is alodined and primed for longevity of the product

Flap indicator cables MC9864054-7 and -9 along with wire clamp P/N MCS2323-3 are also available



Flap Tracks

Replace worn-out tracks to prevent dangerous and expensive binding problems!
FAA-PMA approved for various Cessna models

- NDI inspected throughout manufacturing
- Save hundreds $$$



Model	Serial Number	P/N MC2622075-4	P/N MC2622075-5	P/N MC2622075-6
208	20800001 thru 20800164 [3]	4		2
208	20800001 thru 20800164 [4]	2	2	2
208	20800165 thru 20899999	4		2
208B	208B0001 thru 208B0194 [3]	4		2
208B	208B0001 thru 208B0194 [4]	2	2	2
208B	208B0195 thru 208B9999	4		2

Rudder and Elevator Hinge Bearing Kits

In stock for immediate shipment! Buy with confidence

- Convenient kits include bearings and all attaching hardware
- Kits for aircraft equipped with/without hinge modification service kits
- One elevator kit and one rudder kit required per aircraft
- Industry standard hardware

Model	Serial Number	Part Number Elevator Kit	Part Number Rudder Kit
208	20800001 thru 20800221	EBC-KT-7 [1]	RBC-KT-9 [3]
		EBC-KT-8 [2]	RBC-KT-10 [4]
208	20800222 thru 20899999	EBC-KT-7	RBC-KT-9
208A	20800007 thru 20800102	EBC-KT-7 [1]	RBC-KT-9 [3]
		EBC-KT-8 [2]	RBC-KT-10 [4]
208B	208B0001 thru 208B0318	EBC-KT-7 [1]	RBC-KT-9 [3]
		EBC-KT-8 [2]	RBC-KT-10 [4]
208B	208B0319 thru 208B9999	EBC-KT-7	RBC-KT-9

[1] With SK208-102, SK208-106, & SK208-107 installed
[2] Without SK208-102, SK208-106, & SK208-107 installed
[3] With SK208-99, SK208-104 and SK208-105 installed
[4] Without SK208-99, SK208-104 and SK208-105 installed

P/N EBC-KT-7



P/N RBC-KT-9



P/N EBC-KT-8



P/N RBC-KT-10



Adjustable Elevator Neutral Rigging Tool

Save time, you'll always have the correct tool!
P/N TOOL126
Proper elevator rigging is necessary for full range of motion and maneuverability of the airplane. Many Cessna maintenance manuals require the fabrication of a tool to hold the yoke in the neutral position while the mechanic rigs the elevator control system. These tools utilize the holes for the control gust lock. At least 17 different sizes of rigging tools are required to cover the various Cessna aircraft. Now there is one tool to replace them all!

The McFarlane Elevator Neutral Rigging Tool is adjustable from 0.4" to 2.5" and universal in design, consisting of six different pin sizes to fit your application. This tool may also be used to properly rig other makes of aircraft with similar elevator neutral rigging requirements.

Replaces Cessna Elevator Rigging Tool P/N SE1511

- Replaces 17 costly tools
- Quick setup and adjustment
- Stainless steel components
- Simple to use instructions
- Includes compact storage box
- Replacement parts available separately

Replacement Parts P/N	Description
6409	0.050"/1.3mm Hex Wrench
6870	Square Nut
6868-4	Pin, 0.188, Short
6868-3	Pin, 0.188, Long
6868-1	Pin, 0.209, Short
6868-2	Pin, 0.209, Long
6869-1	Pin, 0.250, Short
6869-2	Pin, 0.250, Long



Control Lock

P/N 2660055-1RA

- Direct replacement
- Significantly lower cost $$$



Manufactured by AeroTwin

Replacement Rudder Lock Mechanism

P/N AT-4111-1

- Save $$$
- Improved design and materials
- More durable than the originals



Manufactured by AeroTwin

Rudder Lock Assembly Kit

Avoid wind damage to your rudder hinges while parked
P/N AT-RL-1001

- Holds the rudder securely centered without loading the cables or hinges
- Mounts neatly inside the tail stinger
- Fail safe attachment to the elevator ensures disengagement prior to take off

Manufactured by AeroTwin

Cessna Caravan Parts

Fuel and Oil Drain Valves & Adapters

Large selection - Low price - Many new P/Ns!

- Fits many certified and experimental aircraft
- Simple operation — spring load close
- Manufactured by SAF-AIR and Curtis Superior Valves
- FAA-PMA or FAA-TSO-C76



Fuel Sampler

Easily check your Caravan fuel sump!
P/N SUMP

- Long-sized tube avoids the need for a ladder
- Clear PVC allows visibility on what is coming out of your fuel sump
- Enough volume to check all aircraft sumps before dumping



Manufactured by AeroTwin

Pitot Covers

Install without a ladder!
P/N PITOT

Protect the pitot tube from being contaminated by dirt, debris, and insects with a pitot tube cover.



Manufactured by AeroTwin

Tail Stand

Prevent your plane from falling on its tail while loading and unloading!
P/N ATI-STAND

- Adjustable height
- Powder coated finish
- Safe loading/unloading



Manufactured by AeroTwin

Cargo Tie Downs

Secure your cargo
P/N TDC-208

Clamps to seat rails to provide tie down points to secure cargo

- 4 required for every 100 lbs of cargo
- Anodized aluminum for durability
- FAA-PMA/STC approved



Manufactured by F Atlee Dodge

Ancra Interior Cargo Fittings

Great prices and quantity discounts!

Visit our website for full listing of all fittings available



Tie-Down Trim Plate

Aluminum instead of plastic for longer life
P/N AF2615118-1

- Approved for all Caravan passenger aircraft only
- Precision fit - drop in direct replacement
- Won't shatter when impacted at low temperatures
- Durable powder coating improves interior fit, finish, and longevity



Tail Tie Down Handle

Primed and ready to install
P/N AF2612035-1

FAA-PMA approved for 208 and 208B

- Precision fit — direct replacement
- Tail stand interface unchanged, works with existing tail stand



Cargo Pod Door Locks

Protect your valuable equipment and supplies!
P/N PL8-100-1 (1 lock)
P/N PL8-100-3 (3 locks)
P/N PL8-100-4 (4 locks)

Manufactured by AeroTwin



Extended Baggage Kit

Increase your internal cargo volume!
P/N EB8-200

- Engineered for utility and durability
- More cargo space allows for increased cargo revenue!
- Adds 22 cubic feet and certified to carry 100 lbs
- Does not affect the maximum gross takeoff weight or allowable center of gravity range

Manufactured by AeroTwin

Cargo Door Escutcheon

Prevent unwanted cargo door latching failures!
P/N AT2617063-1

- Made of durable 4130 steel, rather than aluminum
- Avoids unwanted downtime caused by latch failures
- Save time and $$$

Manufactured by AeroTwin

Cowl Plugs and Prop Restraint

Protect your engine!
Cowl Plugs P/N ATI-COWL
Prop Restraint P/N PROP RESTRAINT

- Cowl plugs prevent dirt and other FOD from entering the cowl
- Restrain propeller to prevent windmilling on the ground
- Durable materials for use in harsh environments

Manufactured by AeroTwin

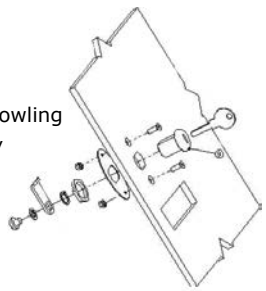


Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cowling Locks

Prevent theft!
P/N CL8-100

- Added security with high quality keyed-lock on each side of the cowling
- Prevent unauthorized starting by disconnecting the battery and locking your cowling



Manufactured by AeroTwin

Floatplane Steps and Handles

Safely climb onto your aircraft with P/N FP8-100
Provides access to the top of the wing for fueling without a ladder

- Easily and safely fuel your aircraft
- Designed for floatplanes, but can be used on land-based 208 aircraft
- Only applicable for 208 model
- Acceptable Alternate Method of Compliance (AMOC) to AD 2006-01-11 for 208's not approved for flight into known icing

Manufactured by AeroTwin

Cargo Door Trim Kit

Avoid cargo door aft frame damage when loading and unloading through the cargo door
P/N DS8-100

- Made with stainless steel
- Avoid expensive repairs $$$



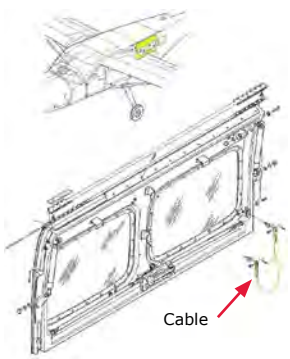
Manufactured by AeroTwin

Door Cables

FAA-PMA approved for Cessna, Beechcraft, Piper, and more

- Sealed with soft silicon rubber that is easy to clean
- Will not crack due to wear or climate temperature changes
- Does not separate from the cable and remains pliable for easy opening and closing of aircraft doors
- Unique pre-formed stainless steel aircraft cable
- Hand-crafted with the highest quality standards

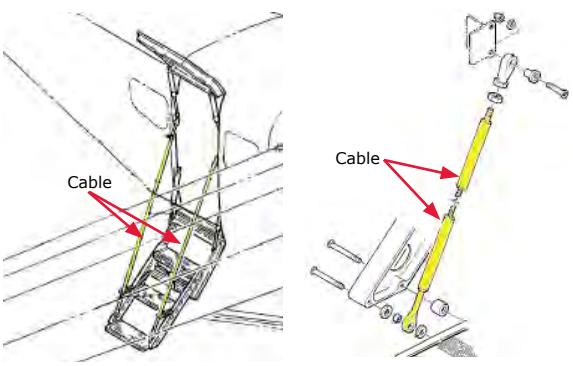




S2814-1EH Installation



S2814-2EH Installation



S2837-1EH or S2837-2EH Installation

Model	S/N	P/N	Location
208, 208B	All	S2837-1EH	Passenger Door Step, Lower
		S2837-2EH	Passenger Door Step, Lower, (Float Plane)
		S2814-1EH	Cargo Door Pull, Upper
		S2814-2EH	Passenger Door Pull, Upper

See Door and Step Parts section for color options and more details!

Door Hinges for Cessna Caravan

Door hinges have bushings for longer wear!
As the original equipment hinge halves wear and the aircraft door starts to sag, Cessna Service Bulletin CAB96-2 allows a one time repair through the use of an oversize door hinge pin. When the hinge again becomes worn and the door sags, the hinge halves must be replaced and an original size hinge pin re-installed.

- FAA-PMA direct replacements
- Fits all Cessna 208/208B aircraft
- Anodized for corrosion resistance
- Precision fit
- Available with or without bushing
- Replaceable bushings allow extended service life!



P/N AF2617015-21-B

NEW



P/N AF2617015-21

Bushed Hinge P/N	Standard Hinge P/N	Cargo Door	Crew Door	OEM P/N
AF2617015-17-B	AF2617015-17		RH Lower Fwd	2617015-1 or 17
AF2617015-18-B	AF2617015-18	Lower Fwd	LH Lower Fwd	2617015-2 or 18
AF2617015-19-B	AF2617015-19		RH Upper Fwd	2617015-11 or 19
AF2617015-20-B	AF2617015-20	Upper Fwd		2617015-4 or 20
AF2617015-21-B	AF2617015-21	Lower, Lower Aft	LH Lower Aft	2617015-13 or 21
AF2617015-22-B	AF2617015-22		LH Upper Fwd	2617015-12 or 22
AF2617015-23-B	AF2617015-23	Upper, Upper Aft	LH Upper Aft	2617015-15 or 23
AF2617015-24-B	AF2617015-24		RH Lower Aft	2617015-14 or 24
AF2617015-26-B	AF2617015-26		RH Upper Aft	2617015-16 or 26
Bushing P/N				
AF2617015-025 (short) AF2617015-049 (long)				



Hinge bushing, short
P/N AF2617015-025



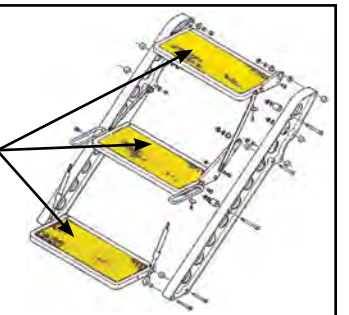
Hinge bushing, long
P/N AF2617015-049

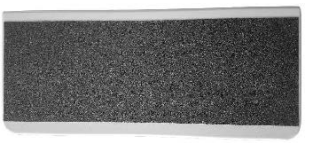
Passenger Door Step for Cessna Caravan

Durable Aluminum Step with STC!
Individual Step P/N AF2617076-1
Complete kit containing all three steps P/N KIT-AF2617076-1
Engineered for increased longevity and is constructed solely from aluminum to eliminate the incidence of delaminating. Direct replacement for Cessna P/Ns 2617076-1 (lower), 2617076-10 (upper) and 2617076-11 (middle).

- FAA-PMA STC Approved (STC comes with the part)
- Fits all Cessna 208/208B Aircraft
- Slip resistant tread surface
- Withstands significantly more weight than OEM part
- Powder coated to resist corrosion
- Longer service life
- More resistant to weather and the damaging effects of moisture

Save $$$
Replace all three steps!
P/N KIT-AF2617076-1



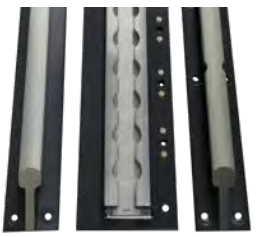


Slip resistant tread surface

Crew Rails and Cargo Tracks for Cessna Caravan

The manufacturing leader of seat rails now has FAA-PMA approval on rails and tracks for 208 series aircraft!
FAA-PMA direct replacements for all Cessna 208/208B aircraft

- Improved thickness and stability
- Anodized for superior wear and corrosion resistance
- Precision fit



The primary source of failure for these tracks is corrosion. Moisture and de-icing compounds are commonly exposed to the aluminum surface, causing corrosion over time. McFarlane has improved the surface protection on our tracks and rails by anodizing per MIL-A-8625, Type II, providing a far superior wear and corrosion resistant surface. McFarlane rails and tracks are also primed per MIL PRF-23377 on the underside and top of the flanges of the extrusions. McFarlane will also top coat paint the primed area with a top coat polyurethane paint per MIL-PRF-85285 as recommended for corrosion protection in the Cessna 208 maintenance manual. The upper section of the extrusions are not painted or primed to prevent any interference issues with the seat clamps/lugs and cargo attachments interface with these edges.

With two versions available, drilled or undrilled, McFarlane seat rails will meet your needs.
McFarlane offers the Seat Rails with the rivet holes drilled in the bottom flange, and in an "S" suffix part number which has the rivet holes in the flange omitted. This undrilled version allows for easier installation in a replacement part situation as it allows the installer to match drill the original holes from the frame/aircraft to the seat rail.
To order drilled rails use the part numbers below. To order undrilled rails add an "S" suffix to the part number below.
Example P/N MC2601088-1 (drilled) and P/N MC2601088-1S (undrilled).

Crew Rails		
Serial Number	**Type**	**Pilot & Copilot P/N**
Cessna Caravan 208		
20800001 thru 20800219	W/ cargo barrier	MC2601088-1 In. LH MC2601088-3 Out. LH & RH MC2601088-2 In. RH
	No cargo barrier	MC2613039-1 [2]
20800220 thru 20800293	W/ or w/o cargo barrier	MC2613039-4 [2]
20800294 thru 20899999	W/ cargo barrier	MC2613039-4 [2]
20800294 thru 20899999	No cargo barrier	MC2613039-1 [2]
Cessna Caravan 208B		
208B0001 thru 208B0312	Cargo version	MC2601088-1 In. LH MC2601088-3 Out. LH & RH MC2601088-2 In. RH
208B0214 thru 208B0312	Passenger version	
208B0313 thru 208B0715	Cargo and passenger	MC2613039-4 [2]
208B0716 thru 208B9999	Cargo and passenger w/ cargo barrier	MC2613039-4 [2]
	Cargo and passenger no cargo barrier	MC2613039-1 [2]

Passenger/Cargo Rails	
Location	**Part Number**
Cessna Caravan 208	
Outboard LH	MC2611060-3
Inboard LH	MC2611060-12
Inboard RH	MC2611060-10
Outboard RH	MC2611060-8
Center	MC2611060-14 [1]
Cessna Caravan 208B	
Outboard LH	MC2611040-5
Inboard LH	MC2611040-23
Inboard RH	MC2611040-24
Outboard RH	MC2611040-12
Center	MC2611040-27 [1]

Notes:
To order undrilled seat rails add and "S" suffix to the part number
[1] Quantity of two per part number required
[2] Quantity of four per part number required

Seat Rail Extrusion

Blank extrusions sold separately by the inch, we can also custom machine to your specifications!



Visit our website for details!

Seat Removal Tool

Makes seat removal easy!
P/N AT-SRT-01
Usable on most aircraft seats utilizing Brownline-style track fittings.



Manufactured by AeroTwin

Brownline Style Seat/Cargo Tracks

Precision machined and anodized for corrosion protection

- Slotted extrusion with 0.785" diameter openings every one inch
- Dimension meet MS33601 except thinner for reduced weight
- Compatible with common MS33601 cargo tie down and seat stud fittings



Standard Lengths:
P/N 6656-L (L = minimum length in inches)
Available in 6, 12, 18, 24, 36, 48, 72, 96, 120, 144, 160, 179 inch lenghts

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Crew Door Panels

Includes retaining straps, fire extinguisher recess, large storage pocket, weight placard and certificate pouch

P/N AF2615180-1 LH
P/N AF2615180-2 RH

FAA-PMA approved for all 208 aircraft

- Color matched to original part
- Modern look and increased utility to your older Caravan
- Precision fit
- Direct replacements for P/N 2615180-1 and -2 and the early model P/N 2615054 series door panels



Airforms Crew Ladder Assembly

Direct replacement P/N AF2606033-41-1 for the pilot and co-pilot crew ladders

- FAA-PMA approved components for most 208/208B/EX models
- Direct OEM replacements
- Superior corrosion resistance
- Improved bushings for longer life

NEW

Replacement Components	
P/N	Description
AF2606033-41-1	Complete Assy ***New!***
AF2615055-1	Armrest ***New!***
AF133-4P32	Arm Spacers
AF2606033-2	Arm Assy, Lower LH
AF2606033-43	Arm Assy, Upper LH
AF2606033-4	Arm Assy, Lower RH
AF2606033-44	Arm Assy, Upper RH
AF133-4P28	Bracket Spacers
AF2606033-36	Bracket Assy, LH
AF2606033-37	Bracket Assy, RH
AF2606033-10	Step Assy, Lower
AF2606033-12	Step Assy, Upper
AF2606033-14	Tread, Lower Step
AF2606033-15	Tread, Upper Step



APS Blacksteel Brakes

Improve braking performance!

- One piece forged disc eliminates weld failure
- Heat treated to reduce corrosion and rust
- FAA-PMA Approved

APS Extended Life Brake Lining

Reduce cost per landing

- Lining is .035" thicker
- 35% longer life!
- FAA-PMA Approved

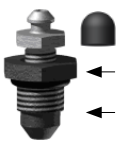


Brake Bleeder Valves for Cleveland and McCauley Wheels

Improved - No more rust, no more rounded wrench flats

- Made with stainless steel for durability and corrosion resistance
- Heat treated bleeder screw prevents rounded wrench flats
- Cad plated bleeder seat to prevent galvanic corrosion with the magnesium housing
- Rubber cap has improved material to prevent cracking
- FAA-PMA Approved

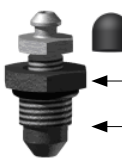
MCBB-KT-3		
Qty	Part Number	Description
1	MC081-00500	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	MS28775-011	O-ring

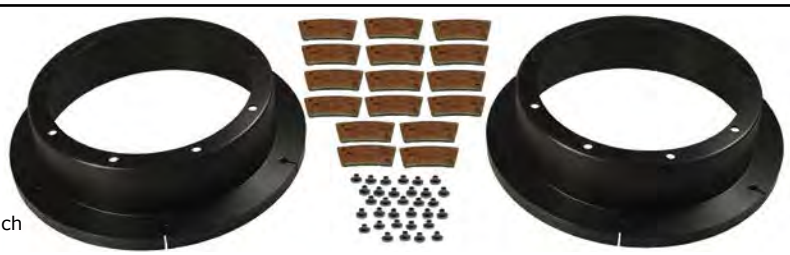


Complete Brake Kit

Caravan Brake Kit Components

P/N 208-BRK-KT-1		
Qty	Part Number	Description
2	APS164-22201	Brake Disc
32	APS177-00300	Pin
20	APS66-15300	Brake Lining
2	MC081-00500	Bleeder Seat
2	MC079-00300	Bleeder Screw
2	MC183-00100	Needle Cap
2	MS28775-011	O-ring





Improved Aircraft Tire Balancers

P/N TOOL129

Now fits more standard and taper axle sizes

- Multiple models and add-on bushing kits for ¾", 1", 1¼", 1⅛", 1⅝" and 2" axles (see Brake and Wheel section of catalog for details)
- No removal of bearings or seals





Fast, accurate, and affordable!

Brake and Master Cylinder Seal Kits

Save time and $$$, just the parts you need
P/N CBS-KT-3 Master Cylinder Seal Kit
P/N CBS-KT-5 Brake Assembly Seal Kit

- 1 kit per brake or master cylinder
- All parts contained in kit are approved





Complete Wheel Seals

P/N WH-KT-42

- Molded Seals and Snap Rings
- Complete kit or individual components
- FAA-PMA Approved



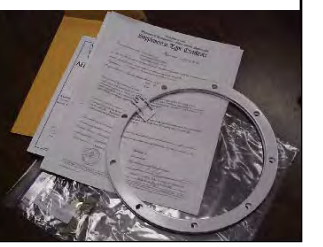
Brake Disk Spacer

For increased tire-to-brake caliper clearance
P/N BS8-100

NEW

- Allows the brake disk to be spaced away from the tire to provide positive clearance
- Only applicable to aircraft equipped with Cleveland 10” wheel and brake assemblies on the main gear

Manufactured by AeroTwin



Cessna Caravan Main Wheel Bolts STC

For Caravan operators who demand the most from their equipment

The high-strength wheel bolts have been proven in the field to reduce fretting between wheel halves and provide an additional margin of safety for the wheel assembly. High strength MS21250 bolts replace the standard AN5 hardware that fasten the wheel halves and brake disc together. High-strength nuts and countersunk washers are included with each kit.

Replacement bolts come in two lengths to accommodate aircraft with and without brake disc spacers, and are eligible for aircraft equipped with certain gross weight increase STCs. The high-strength wheel bolts are approved to use with any Cessna 208/208B tire installations.

Replacement hardware is eligible only on the 10-inch diameter Cleveland wheel and brake assembly P/N 20-244, aircraft equipped with any of the Aeroacoustics Aircraft Systems, Inc. Caravan STCs or on aircraft with or without Aero Twin, Inc. brake disc spacer STC SA02126AK-D.

Purchase Options and Part Numbers

P/N AFC-208BOLTKIT-STC-Only
Contains a copy of the STC, installation instructions, and permission letter from the manufacturer. Hardware is not included.

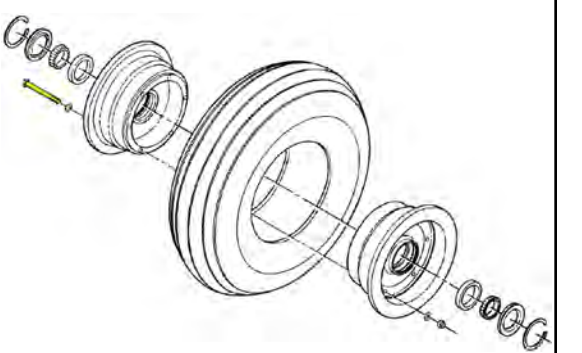
P/N AFC-208BOLTKIT-STC+058
Contains the 058 hardware kit *for aircraft without disc spacers*, a copy of the STC, installation instructions, permission letter from the manufacturer and complete hardware kit for one aircraft including bolts, nuts, and countersunk washers. The kit includes enough hardware for two wheels (one aircraft).

P/N AFC-208BOLTKIT-STC-058
Hardware kit only *for aircraft without disc spacers*. Customer must already have purchased the STC. Includes complete hardware kit for one aircraft with bolts, nuts, and countersunk washers. The kit includes enough hardware for two wheels (one aircraft).

P/N AFC-208BOLTKIT-STC+060
Contains the 060 hardware kit *for aircraft with disc spacers*, a copy of the STC, installation instructions, permission letter from the manufacturer and complete hardware kit for one aircraft including bolts, nuts, and countersunk washers. The kit includes enough hardware for two wheels (one aircraft).

P/N AFC-208BOLTKIT-STC-060
Hardware kit only *for aircraft with disc spacers*. Customer must already have purchased the STC. Includes complete hardware kit for one aircraft with bolts, nuts, and countersunk washers. The kit includes enough hardware for two wheels (one aircraft).





- High strength hardware helps prevent fastener failure during operations
- Two configurations of bolt kits
- Multiple purchase options
- STC is FAA and EASA approved

Nose Gear Torque Link Assemblies

Improved to reduce wear and prevent cracks
Upper P/N AF2643084-1, Lower P/N AF2643084-2

- Approved for all 208 and 208B aircraft
- Precision fit - drop in direct replacement
- Designed to prevent cracking in threaded grease fitting holes
- Ready for installation
- Durable powder coating finish


P/N AF2643084-1 (Upper)


P/N AF2643084-2 (Lower)

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Cessna Caravan Torque Link Repair STC

Minimal downtime repair to keep 208/208B nose gears shimmy-free
This STC will dramatically reduce nose gear swaps

- Save over $15k and be flying the same-day
- Reduce downtime by repairing in the field
- Convenient tool kit allows for on airplane repair
- Bolts and pins are cad plated for longer life
- EASA approved

See Dave McFarlane's article on how to stop nose gear shimmy in the Landing and Nose Gear section of our catalog!



P/N AF2643092-1010, BOLT



P/N AF2643091-1010, PIN



Tap handle

Maintenance Tip:
Always use cutting oil and only drill by hand. Tool kits contain both short and long piloted reamers.



Short piloted reamer

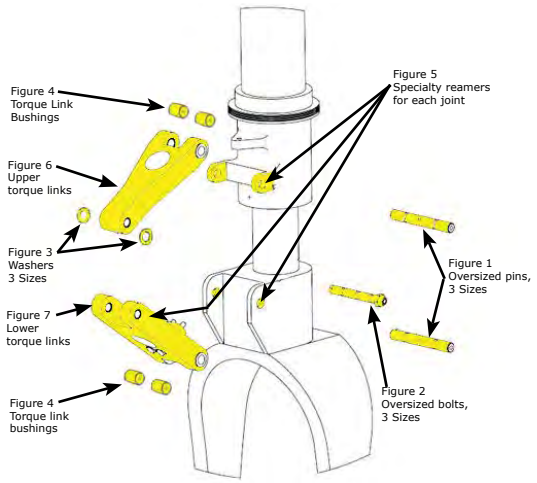


Long piloted reamer

McFarlane also offers direct replacement **center joint bushings**!



NAS76A7-115 (Upper) *NAS76A7-022 (lower)*



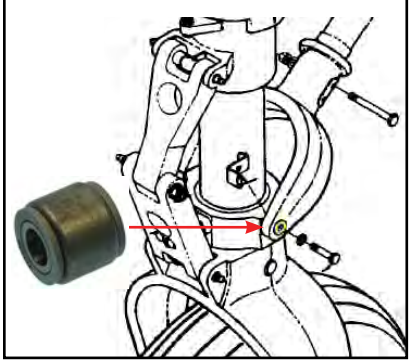
Eligible model series:
Fits all Cessna 208/208B with "double lug" torque links. Includes all S/N's after 2080133/208B0098 or earlier S/N's equipped with SK208-51.

Figure	Part Number	Description	Approval
5	TOOL KIT .010	REAMERS, Oversized .010 - short and long piloted reamers + tap handle	STC
5	TOOL KIT .020	REAMERS, Oversized .020 - short and long piloted reamers + tap handle	STC
5	TOOL KIT .030	REAMERS, Oversized .030 - short and long piloted reamers + tap handle	STC
5	TOOL KIT 32-604-56-01	REAMERS, all three sizes	STC
6	AF2643084-1	Upper Torque Link	PMA
7	AF2643084-2	Lower Torque Link	PMA
1	AF2643091-1	PIN, Nominal	PMA
1	AF2643091-1010	PIN, Oversize .010	PMA
1	AF2643091-1020	PIN, Oversize .020	PMA
1	AF2643091-1030	PIN, Oversize .030	PMA
2	AF2643092-1	BOLT, Nominal	PMA
2	AF2643092-1010	BOLT, Oversize .010	PMA
2	AF2643092-1020	BOLT, Oversize .020	PMA
2	AF2643092-1030	BOLT, Oversize .030	PMA
3	32-604-37-22005	WASHER, .005 thickness	STC
3	32-604-37-22010	WASHER, .010 thickness	STC
3	32-604-37-22015	WASHER, .016 thickness	STC
4	AF2643085-200	BUSHING, Torque Link	PMA
	STC-TORQUE LINK	Torque Link STC	STC

Nose Gear Spring Fork Needle Bearing

P/N MS24462-5

- Fits all Cessna 208 models
- Save $$$



Nose Gear Shock Strut Cups and Cones

In Stock!

Bearing Cup
P/N L217813

Bearing Cone
P/N L217849



Main Gear Fairing Ribs

Tired of cracked main gear fairing baffles?
P/N GF8-101 (Upper)
P/N GF8-102 (Lower)

- Save $$$ by avoiding costly maintenance repairs
- Made with molded urethane rather than metal



Manufactured by AeroTwin

Cessna Caravan Parts

Nose Tire Scraper

Shield your propeller from gravel, sand, and water damage!
P/N ATI-208TS

- Easily installed in under 20 minutes
- Clamps on to the nose gear fork, above your tire
- Replacement rubber scrapers available



Manufactured by AeroTwin

Nose Gear Gravel Deflector

Protect your cargo pod and prevent costly cargo pod de-ice boot damage
P/N NGD8-100

- Deflect gravel and rocks from the cargo pod, belly, propeller, and the pod de-ice boot
- For maximum equipment protection, install the Main Gear Gravel Deflector and the Nose Tire Scraper
- Also great for operating from paved surfaces!



Manufactured by AeroTwin

Main Gear Gravel Deflector

Protect the tail and the bottom of the wings from damage
P/N GD8-100

- Deflect gravel and rocks from the horizontal stabilizer and fuselage
- Keep mud, snow, and rocks off of your wings
- Installation requires no additional holes in the structure



Manufactured by AeroTwin

Exhaust Deflector

P/N ED8-100
P/N ED8-100-3 (with Camera Ops)

Keeps exhaust from impinging on the cargo pod. For aircraft with infrared cameras installed, P/N ED8-100-3 extends the deflector to avoid the camera view.

- Greatly reduces temperatures on the forward pod
- Eliminates exhaust stains
- Save $$$ on repairing heat-induced pod delamination



P/N ED8-100-3



P/N ED8-100

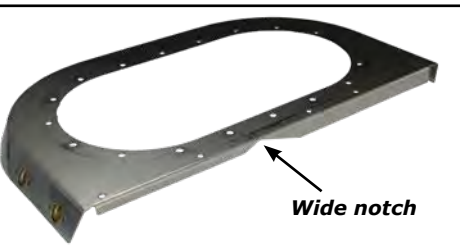


Manufactured by AeroTwin

Primary Exhaust Flange

Improved design
P/N AF2654006-10

- Direct replacement
- Precision fit with improved clearance
- Approved for all Caravan aircraft with 114 or 114A engine
- Features a wide notch and eliminates a fastener — reduces stress concentration and helps prevent cracking



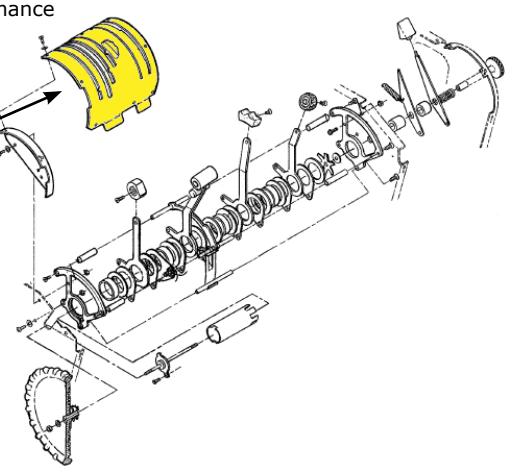
Quadrant Cover for Cessna Caravan

P/N MC2613048-22

Our new FAA-PMA approved quadrant cover is designed with reinforcement, specifically for increased durability and longer life.

- Steel doublers added to the flap notches to increase service life and performance
- Powder coated to provide long lasting protection
- Save thousands $$$
- Fits all Cessna 208/208B Caravan from 208B001 to 208B4999 (*see note*)





NOTE: All British Certified Cessna Caravan 208/208B aircraft are non-compatible with this cover.

Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Trim Tab Screw Assembly for Cessna Caravan

P/N MC2661215-8 Trim Tab Screw Assembly fits all 208 and 208B aircraft when equipped with 2661215-9, 2661615-10 or 2661615-13 Trim Tab Actuators.

P/N MCS3895-1 Needle roller bearing fits all 208 and 208B aircraft

Our PMA replacement Trim Tab Screw Assembly is manufactured using high-strength stainless steel alloy that has our **Black Max™** nitrocarburized heat treatment for increased wear resistance, service life, with less friction, smoother operation, and improved corrosion resistance.

P/N MCS3895-1



Save $$$

P/N MC2661215-8

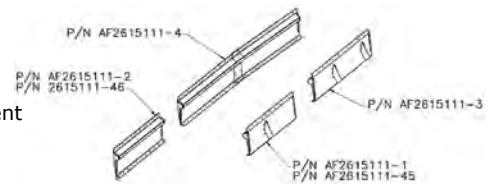


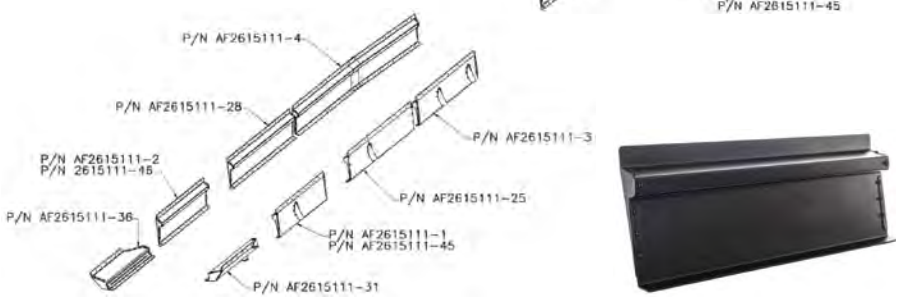
Black Max™ Nitrocarburized

Cabin Heat Vents

Reinforced design for longer life

- Replaceable end caps are metal not fragile plastic like the originals
- Precision fit - drop in direct replacement
- Powder coated corrosion resistant





208 Cabin Heat Vents		
P/N	**Description**	**S/N**
AF2615111-1	LH Fwd Center	0001 thru 0312
AF2615111-45	LH Fwd Center	0313 and On
AF2615111-2[1]	RH Fwd Center	All
AF2615111-3	LH Aft	All
AF2615111-4	RH Aft	All
208B Cabin Heat Vents		
AF2615111-1	LH Fwd Center	0214 thru 0765
AF2615111-45	LH Fwd Center	0766 and On
AF2615111-2[1]	RH Fwd Center	0214 and On
AF2615111-3	LH Aft	0214 and On
AF2615111-4	RH Aft	0214 and On
AF2615111-25	LH Fwd Aft	0214 and On
AF2615111-28	RH Fwd Aft	0214 and On
AF2615111-31	LH Fwd	0214 and On
AF2615111-36	RH Fwd	0214 and On

[1] Replaces Cessna P/N 2615111-2 and -46

Oil Cooler Baffle

Reinforced design for longer life
P/N AF2650098-5

Precision fit! Drop-in direct replacement for 2650098-4 and -5

- Fits Caravans with PT6A-114A engine and large oil cooler
- Increased thickness at critical locations to extend life
- Replaceable low cost seal
- FAA-PMA approved



Bleed Air Tester Tool

Measure bleed air pressure during maintenance engine runs
P/N ATI-BA1

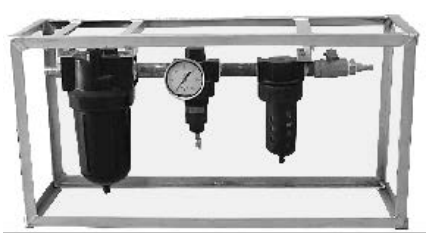


Manufactured by AeroTwin

Deice Boot Mister Tool

Service your pneumatic deice boots
P/N BOOT MISTER

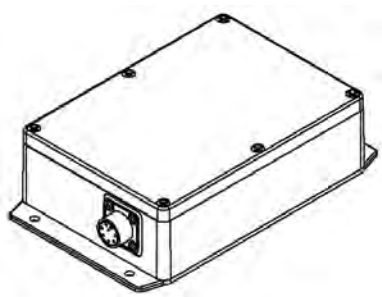
- In accordance with Goodyear Service Letters 91-015 and 91-016
- Injects isopropyl alcohol and silicon fluid in the boots to prevent system freeze-up



Manufactured by AeroTwin

Deice Cycler

Automatically cycles pneumatic de-ice boots at 1- or 3-minute intervals
P/N DT8-100



Manufactured by AeroTwin

Ice Inspection Handle

P/N 208-ICE-HNDLE

- Save $$$
- Complies with AD 2006-01-11

Manufactured by AeroTwin



Aircraft Lighting

McFarlane now offers both AeroLEDs and WAT lighting!
Landing, Taxi, Recognition, Navigation, Strobe, Position, and Beacon

WAT WHELEN AEROSPACE TECHNOLOGIES
AEROLEDS™

See our **Lighting** section of the catalog for details!








Parts for the Legendary Pratt & Whitney PT6 Engines

Save $$$ on commonly replaced parts



P/N	Description	Eligibility
CA3011155	Fuel Transfer Tube	PT6A-10, 11, 11AG, 15AG, 21, 25, 25A, 25C, 27, 28, 34, 34AG, 34B, 36, 38, 41, 41AG, 42, 45A, 45B, 45R, 50, 60A, 61, 64, 65B, 65R, 65AG, 65AR, 67, 67A, 67B, 67D, 67R, 67AF, 67AG, 110, 112, 114, 114A, 116, 135, 135A, PT6B-36, 36A, 36B, PT6T-3, 3B, 3BE, 6, 6B, ST6T-75
CA3020030	Fuel Transfer Tube	PT6T-3, 3B, 6, ST6T-75, 76
CA3029566	Fuel Nozzle Gasket	PT6A-11, 11AG, 15AG, 110, 112, 114, 114A, 116, 21, 27, 28, 34, 34AG, 34B, 36, 135, 135A, 25, 25A, 25C, PT6T-3, 3B, BE, 6, 6B, PT6B-36, 36A, 36B
CA3029678	Fuel Nozzle Gasket	PT6A-6, 6A, 6B, 20, 20A, 20B
CA3101469-01	Fuel Manifold Gasket	PW118, 118A, 118B, 120A, 121, 123, 123AF, 123B, 123C, 123D, 123E, 125B, 126, 126A, 127B, 127D
CA3103345-01	Retainer Plate	PT6A-10, 11, 11AG, 15AG, 21, 25, 25A, 25C, 27, 28, 34, 34AG, 34B, 36, 38, 41, 41AG, 42, 45A, 45B,45R, 45AG, 50, 60A, 60AG, 61, 65B, 65R, 110, 112, 114, 116, 135, 135A, PT6B-36, 36A, 36B, PT6T-3, 3B, 3BE, 6, 6B, ST6T-75
CA3103346-01	Diaphragm	PT6-A38, 41, 41AG, 42, 45A, 45B, 45R, 45AG, 50, 65B, 65R
CA3103347-01	Diaphragm	PT6A-10, 11, 11AG, 15AG, 21, 25, 25A, 25C, 27, 28, 34, 34AG, 34B, 36, 110, 112, 114, 114A, 116, 135, 135A, PT6B-36, 36A, 36B, PT6T-3, 3B, 3BE, 6, 6B, ST6T-75
CA3110998-01	Prop Shaft Shim	PT6A, 60A, 65B, 65R, 65AR, 65AG
CA3118962-01	Gasket	PT6A-6, 6A,6B, 20A, 20B, 21, 25, 25A, 25C ,27
CG3011587	Rod End Bearing	PT6A-15AG, 27, 28, 34, 34AG, 34B, 36, 45R, 60A, 61, 135
MS9371-16	Gasket	PT6


P/N CA3103347-01


PN CG3011587


P/N CA3020030


P/N CA3103345-01


P/N CA3110998-01


P/N CA3101469-01


P/N CA3118962-01


P/N CA3029566

Manufactured by PMA Products, Inc.



Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Commercial and Business Jet Parts

McFarlane is capable of gaining airline-specific PMA approvals for FedEx, UPS, IcelandAir, and more!

In stock, ready to ship!



General Aviation, Commercial, Business Jet, and Regional Aircraft

Commercial Aircraft Parts

McFarlane has PMA approval on various direct replacement parts that fit Boeing, Airbus, and MD-11 aircraft

- In stock, ready to ship today!
- Save $$$
- Improved designs to last longer

NEW

Description	OEM P/N	Part Number	Index
Boeing 757			
Gimbal	LJ70543	MCLJ70543	1
Bushing	LJ71248	MCLJ71248	
Lanyard	LJ75313	MCLJ75313	2
Lanyard	LJ75314	MCLJ75314	3
Link Assembly	LJ76305	MCLJ76305	
Bracket	LJ71800	MCLJ71800	
Spacer	LJ77025	MCLJ77025	
Seal	LJ71118	MCLJ71118	
Insert	LJ71589	MCLJ71589	
Plug	S700R0401-1	MCS700R0401-1	
TR Seal Kit	TR-KT-1	TR-KT-1	
Hinge	LJ75766	MCLJ75766	
Hinge	LJ76926	MCLJ76926	
Hinge	LJ75767	MCLJ75767	
Bushing	S700B0455-4B007	MCS700B0455-4B007	
AHAD Lever	LJ75291	LJ75291MC	
AHAD Lever	LJ75293	LJ75293MC	
AHAD Support	LJ75282	LJ75282MC	
AHAD Support	LJ75752	LJ75752MC	

Description	OEM P/N	Part Number	Index
Boeing 747			
Roller	298301-1	MC298301-1	4
Roller	297100-3	MC297100-3	5
Roller	141100-7	MC141100-7	7
Pin	ES755-1	MCES755-1	8
Shaft	298113-1	MC298113-1	6
Airbus A300-600			
O-Ring	145223	MC145223	
McDonnell Douglas MD-11			
Gasket	3174675-2	MC3174675-2	9

McFarlane is Airline Approved by FedEx, UPS, IcelandAir, and more

Contact our Commercial sales team!
commercial@mcfarlaneaviation.com or 800-544-8594

1

P/N MCLJ70543

2

P/N MCLJ75313

3

P/N MCLJ75314

4

P/N MC298301-1

5

P/N MC297100-3

6

P/N MC298113-1

7

P/N MC141100-7

8

P/N ES755-1

9

P/N MC3174675-2

Thrust Reverser Inspection Kits

FAA-PMA approved and industry standard components for TPE 331 engines
For specific eligibility, visit our website at www.mcfarlaneaviation.com

Items contained in the HP201TR kits are standard parts used in a 1400HR TR inspection.

The HP200TR kit consists of two HP201TR kits to service both engines. In addition to the PMA'd parts all hardware required is included and there will normally be a few extra parts left over.

Most of these parts are also used on Dassault Falcon 20's that have the Aeronca STC installed and on all Sabreliner model 80 aircraft. The main difference in the 1400 HR kits for these aircraft (P/N HP100TR) is that the Falcons and Sabreliners use the 232-20260-1HP bearing instead of the 45-12216-1HP bearing.

In addition to the standard parts replaced during the 1400 HR inspection P/N 3233190-2HP Vespel bearing (eight per A/C) may or may not be needed.



CTAP Central Texas Aircraft Parts

P/N	Description	P/N HP201TR[1]	P/N HP100TR & HP200TR[2]
AN960C10L	Washer	12	24
AN960-416	Washer	2	4
D6-1	Washer	60	120
D6-4	Washer	4	8
MS21043-3	Nut	14	28
MS21043-4	Nut	4	8
MS24665-151	Cotter Pin	6	12
MS24665-153	Cotter Pin	5	10
MS24665-302	Cotter Pin	2	4
M9364-10	Nut	4	8
M9464-09	Pin	4	8
NAS1291C4M	Nut	10	20
NAS1351C3-8	Screw	10	20
NAS620C416L	Washer	4	8
NAS620-416L	Washer	16	32
232-20268-503HP	Shoulder Bolt	4	8
232-20426-1HP	Bushing	4	8
3515-28-04	Washer	4	8
45-12216-1HP	Bearing	4	8

[1] Contains enough components for one engine
[2] Contains enough components for two engines

Bushings, Bearings, and Components for TPE331 Engines

FAA-PMA approved

Part Number	Description
3101373-1HP	Lock Plate
3101703-10HP	Bushing
3101703-11HP	Bushing
3101703-12HP	Bushing
3101703-13HP	Bushing
3101703-14HP	Bushing
3101703-15HP	Bushing
3101703-16HP	Bushing
3101703-17HP	Bushing
3101703-18HP	Bushing
3101703-19HP	Bushing
Continued on next column	

Part Number	Description
3101703-1HP	Bushing
3101703-20HP	Bushing
3101703-24HP	Bushing
3101703-25HP	Bushing
3101703-26HP	Bushing
3101703-27HP	Bushing
3101703-28HP	Bushing
3101703-29HP	Bushing
3101703-2HP	Bushing
3101703-3HP	Bushing
3101703-4HP	Bushing
Continued on next column	

Part Number	Description
3101703-5HP	Bushing
3101703-6HP	Bushing
3101703-7HP	Bushing
3101703-8HP	Bushing
3101703-9HP	Bushing
3101759-1HP	Bushing
3101759-2HP	Bushing
3101759-3HP	Bushing
3101759-4HP	Bushing
3101759-5HP	Bushing
3101759-6HP	Bushing
Continued on next column	

Part Number	Description
3101759-7HP	Bushing
865057-7HP	Retainer
865542-5HP	Bearing Sleeve
867595-3HP	Gasket
867681-5HP	Seal Disk
867905-1HP	Valve Seat
868746-6HP	Gasket
869615-1HP	Bearing Sleeve
869615-2HP	Bearing Sleeve
869616-1HP	Bearing Sleeve
869616-2HP	Bearing Sleeve
893579-1HP	Bushing

Cable Assemblies for Learjet

FAA-PMA approved

Aircraft Model	Part Number
24, 24A,B,B-A,C,D,D-A,E,F,F-A, 25, 25A,B,C,D,F, 31, 31A, 35, 35A, 36, 36A	HP2411660-13
	HP2411660-15
	HP2411660-34
24, 24A,B,B-A,C,D,D-A,E,F,F-A, 25, 25A,B,C,D,F, 35, 35A, 36, 36	HP2411660-18
55, 55B, 55C, 60	5415530-5HP
55	5415542-16HP
55, 55B, 55C	5415542-23HP
	5415542-26HP
60	6015550-002HP
	6015550-003HP



P/N 6015550-003HP



CTAP Central Texas Aircraft Parts

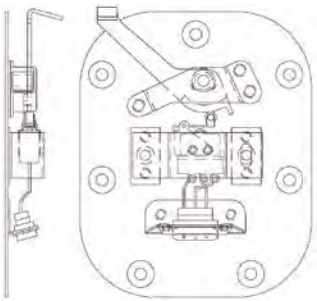
Items on this page: ⚠WARNING: Cancer and/or Reproductive Harm - www.P65Warnings.ca.gov

Door Position Indicator (DPI) Switches and Kits for Learjet

FAA-PMA approved and industry standard components
Each kit contains enough components for one engine

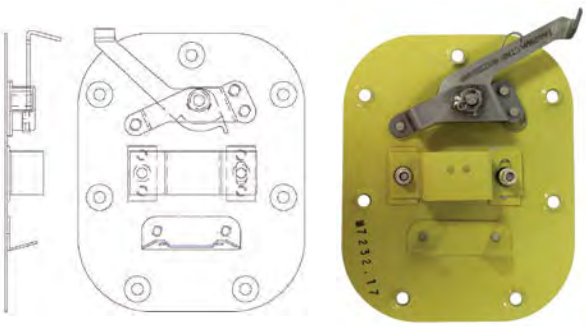
CTAP Central Texas Aircraft Parts

DPI Switch and Plate Kit Components P/N 45-12370-10TR		
Part Number	**Description**	**Qty**
45-0008-KIT	DPI Switch and Acuator Kit	1
45-12368-KIT	DPI Pivot Arm Kit	1
45-12370-1HP	Mounting Plate Assembly	1
MS24694-C3	Screw	2
MS35333-72	Washer	2
MS21043-08	Nut	2
Contains enough components for one engine		



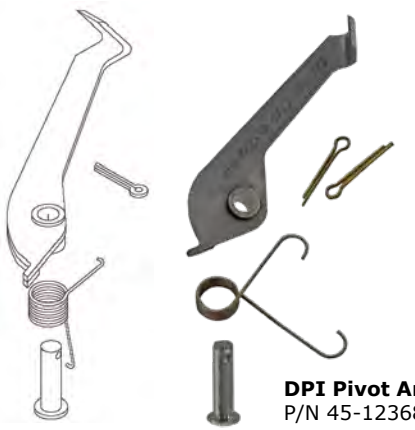
DPI Switch and Plate Kit
P/N 45-12370-10TR

Switch Plate Kit Components P/N 45-12370-1HP		
Part Number	**Description**	**Qty**
45-12368-KIT	DPI Pivot Arm Kit	1
45-12370-1HP	Mounting Plate Assembly	1
MS24694-C3	Screw	2
MS35333-72	Washer	2
MS21043-08	Nut	2
Contains enough components for one engine		



Switch Plate Kit
P/N 45-12370-1HP

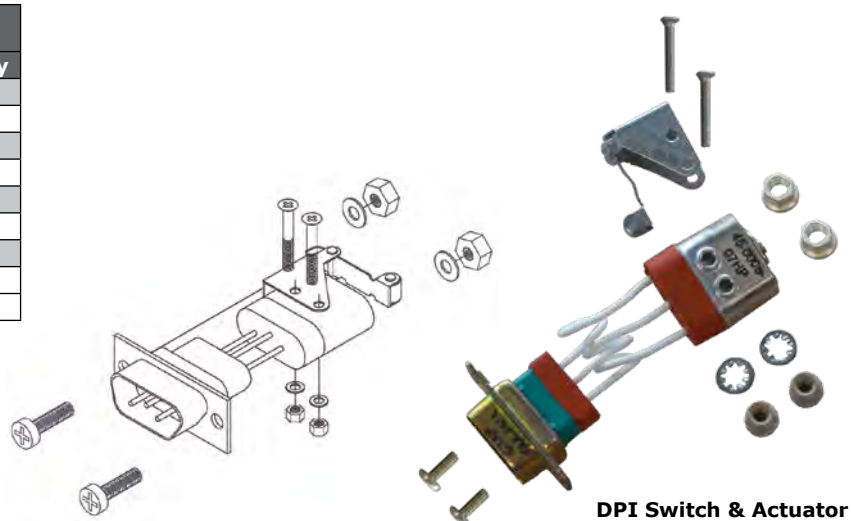
DPI Pivot Arm Kit Components P/N 45-12368-TR		
Part Number	**Description**	**Qty**
45-12356-1HP	Spring	1
45-12370-109	Pin	1
45-12368-9HP	Pivot Arm	1
MS24665-132	Cotter Pin	1
Contains enough components for one engine		



DPI Pivot Arm Kit
P/N 45-12368-TR

DPI Switch and Actuator Kit Components P/N 45-0008-KIT		
Part Number	**Description**	**Qty**
MS21043-08	Nut	2
MS35333-72	Washer	2
MS35206-213	Screw	2
NAS662C2R9	Screw	2
MS21042-02-08	Nut	2
NAS620-4	Washer	2
45-12449-3HP	Actuator	1
45-0008-7HP	Plug/Switch Assembly	1
Contains enough components for one engine		

DPI Switch Assembly (4) req. per A/C	
Part Number	**Description**
45-12368-9HP	Pivot Arm
45-12256-3HP	Bumper Plate
45-0008-07HP	Plug and Switch Assembly
45-12449-3HP	Actuator Assembly
45-12356-1HP	Spring
45-12370-1HP	Switch Plate Assembly



DPI Switch & Actuator Kit
P/N 45-0008-KIT

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CORE POLICY: Each Manufacture has a different policy regarding what is acceptable for core returns. Contact a McFarlane representative before returning core for information and instructions. Cores returned must be complete and "AS REMOVED" from the aircraft on which they were operating. Returning an incomplete and/or damaged core or a core different from the model/part number of the part requested in exchange may result in deductions from the core deposit. Some cores may be unacceptable and may be of zero value as a core. Cores that are severely damaged, not of the appropriate model/part number, have major parts missing, or that do not have data plates, for example, may be rejected and will be returned to the customer at the customer's expense. Returning a core later than 30 days after the date of purchase of the exchange part associated with the core may result in deductions from the core deposit.

JURISDICTION AND VENUE: The sales agreement was formed in the state of Kansas and shall be governed by the laws of the state of Kansas. By using this website or purchasing a product(s) from McFarlane, customer submits itself to the jurisdiction of the State of Kansas for all disputes arising from or relating to customer's use of the website, purchase of a product(s), or any other matter arising therefrom. Venue for adjudicating the merits of any claim arising from this agreement shall be solely the Kansas District Court for Douglas County, Kansas, and Customer hereby waives any claim of improper venue or that such forum is not convenient; provided, however, that notwithstanding the foregoing, a lawsuit may be filed by a party (the "Plaintiff" against the other party (the "Defendant") in a court located in the State and County in which the Defendant's primary place of business is located. Claims made under this agreement shall be made within twelve months of the date of purchase, and the parties to this agreement hereby waive any longer statute of limitations that may be applicable. In the event that legal action be instituted to enforce the terms of this agreement, the prevailing party shall be entitled to reasonable attorney's fees and costs including costs of collection and reclaiming inventory.

TRACEABILITY: All McFarlane parts are fully traceable with the lot number that is marked on each part or its packaging. McFarlane maintains traceability to all purchases, raw materials, processing, inspections and testing using this number. Record this number in your aircraft maintenance records and you will always have traceability of our replacement parts. Upon request with a valid lot number, specific information will be provided at no charge. If a complete or extensive level of detail is requested (e.g. details for all levels of sub-assemblies), then an administrative fee may be charged as the amount of data can be substantial.

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