

## Fuel Selector and Fuel Shut-Off Valves For Cessna Aircraft

### New or Repaired Valves

Buy one of our new FAA-PMA approved valves, purchase a repaired one in stock. Many valves are in stock and ready to ship!

- Repaired by experienced technicians
- Cleaned, inspected and assembled with all fluorocarbon O-rings, seals, gaskets, hardware and parts as required
- Pressure tested for leaks and evaluated for proper fuel flow
- "Return to Service" tag provided

### 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 the 0716613 series) require special tools and processes for reassembly. It's often more cost effective to have McFarlane repair your valve.**

### Seal Kits - P/Ns FSS-KT-1 thru FSS-KT-20

**Only McFarlane has FAA approval to replace the old, less fuel resistant O-rings with the latest fuel-proof fluorocarbon O-rings!**

Fuel Selector Valve and Shut Off Valve Seal kits are conveniently packaged to include all of the necessary O-rings and/or gaskets applicable to specific single engine Cessna aircraft models. McFarlane replaces the old Buna N or Nitrile (MS Series) O-rings and early synthetic rubber (NAS Series) O-rings with fluorocarbon elastomer, which has improved fuel and heat resistance. Cork/Rubber gaskets meet tough government standards for fuel resistance.

### Replacement Parts

McFarlane has a complete line of replacement parts for Cessna fuel valves including detent plates, springs, plastic seals, cams and much more in stock and ready to ship.

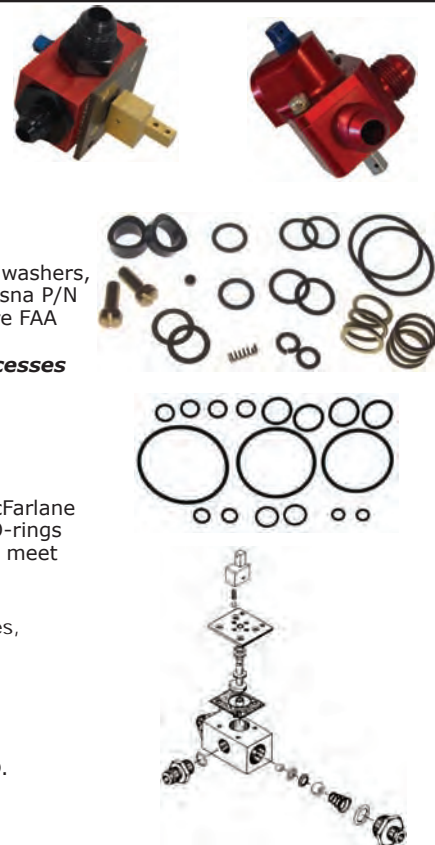
### Gaskets and O-rings

Gaskets can be purchased individually or as convenient kits.

O-rings can be purchased in quantities of 10 each or as convenient kits!

### Fittings

Commonly replaced AN fittings in stock! 45° plug P/N AN823-8D and 90° plug P/N MS20822-8D.



**New!**

## New FAA-PMA Valves at Realistic Prices!

### McFarlane 170, 172, 175, 177, 182 and 185 FAA-PMA Fuel Valve!



#### 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. McFarlane has 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.**

#### Proven Design with Improvements

**Improved corrosion resistance:** McFarlane's new 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, and they will stay pretty too! 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 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. The new McFarlane valve is computer machined for a perfect balance of fuel flow.

#### Fully Tested

You can rest assured that if it's a new McFarlane valve or a valve repaired by McFarlane, it will be pressure, functional, and flow tested to perform to the highest standards.

#### Now for more good news!!

All of the improved parts that go into our new valve are interchangeable with the original Cessna valve. This means that if your valve is good with the exception of a few parts, we can fix it at a reasonable price! Whether you need your valve repaired or a new valve, McFarlane will save you money.





FAA-PMA Approved

**New FAA-PMA approved fuel selector valves for most 172-177 and 182-185 aircraft!**

New! McFarlane FAA-PMA approved fuel valves!



It is critical on models 172M and F172M, S/Ns 17260759 thru 17267584, and F17200905 thru F17201514 that before ordering you identify the detent housing style your fuel valve has. Order either MC0513120-8 or MC0513120-200 based on the style installed in your aircraft.



MC0513120-8



MC0513120-200

**Eligibility for New, Repaired Fuel Selector and Fuel Shut Off Valves and Kits for Cessna Aircraft**

Model	Serial Number	Fuel Selector Valve			Fuel Shut-Off Valve		
		McFarlane P/N 5	Seal Kit	Repair Kit	McFarlane P/N 5	Seal Kit	Repair Kit
120,140	8001 thru 15075	0411716S, 08HD1/4X1/4X1S					
140A	15200 thru 15724	0413020-3S					
150 <sup>1</sup>	17001 thru 17769				0411803-2S, 9851078-2S <sup>3</sup>		
150 <sup>1</sup> , 150A,B,C,D,E,F,G	17770 thru 15067198				0411803-5S 0411803-6S		
150H,J,K,L <sup>1</sup>	15067199 thru 15073658				0411803-6S		
150L <sup>1</sup> ,M <sup>1</sup>	15073659 thru 15078505				0411803-8S		
150M <sup>1</sup>	15078506 thru 15079405				9851070-2S	FSS-KT-1	FSO-KT-2
A150K,L <sup>1</sup>	A1500001 thru A1500342				0411803-6S		
A150L <sup>1</sup>	A1500343 thru A1500523				0411803-8S		
A150 <sup>1</sup>	A1501001 thru A1501018				0411803-6S		
A150L <sup>1</sup> ,M <sup>1</sup>	A1501019 thru A1500684				0411803-8S		
A150M <sup>1</sup>	A1500685 thru A1500734				9851070-2S	FSS-KT-1	FSO-KT-2
A-A150L <sup>1</sup>	A-A1500001 thru A-A1500006				0411803-6S		
A-A150L <sup>1</sup>	A-A1500007 thru A-A1500009				0411803-8S		
F150F,G,H,J,K,L <sup>1</sup>	F150-0001 thru F15000863				0411803-6S		
F150L <sup>1</sup> ,M <sup>1</sup>	F15000864 thru F15001338				0411803-8S		
F150M <sup>1</sup>	F15001339 thru F15001428				9851070-2S	FSS-KT-1	FSO-KT-2
FA150K,L <sup>1</sup>	FA1500001 thru FA1500166				0411803-6S		
FA150L <sup>1</sup> ,M <sup>1</sup>	FA1500167 thru FA1500311				0411803-8S		
FA150M <sup>1</sup>	FA1500312 thru FA1500336				9851070-2S	FSS-KT-1	FSO-KT-2
FRA150L <sup>1</sup>	FRA1500121 thru FRA1500166				0411803-6S		
FRA150L <sup>1</sup> ,M <sup>1</sup>	FRA1500167 thru FRA1500311				0411803-8S		
FRA150M <sup>1</sup>	FRA1500312 thru FRA1500336				9851070-2S	FSS-KT-1	FSO-KT-2
152/A152/F152/FA152	All				9851070-2S	FSS-KT-1	FSO-KT-2
170 <sup>1</sup>	18003 thru 18573	0511122S <sup>3</sup>					
170 <sup>1</sup>	18574 thru 18729	0511160S					
170A,B <sup>1</sup>	18730 thru 20285	0413020-3S					
170B <sup>1</sup>	20286 thru 27169	MC0513120-5 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
172, 172A,B,C	28000 thru 17249544	MC0513120-5 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
172D,E	17249545 thru 17251822	MC0513120-6 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
172F,G,H,I,K,L,M <sup>1</sup>	17251823 thru 17263458	MC0513120-8 <sup>7</sup> <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
172M <sup>1</sup>	17263459 thru 17267584	MC0513120-200 <sup>7</sup> <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
172N,P <sup>1</sup>	17267585 thru 17275034	9851067-4S	FSS-KT-5	FSO-KT-13			
172P <sup>1</sup> , Q	17275035 thru 17276259	9851096-2S, 9851096-5S	FSS-KT-4 <sup>2</sup>	FSO-KT-7 <sup>2</sup>			
172P <sup>1</sup>	17276260 thru 17276654	9851096-5S	FSS-KT-4 <sup>2</sup>	FSO-KT-7 <sup>2</sup>			
172R,S	17280001 & On, 172S8001 & On	9851096-5S	FSS-KT-4	FSO-KT-7	S1903-2		
172RG <sup>1</sup>	172RG0001 thru 172RG0890	9851067-7S	FSS-KT-4	FSO-KT-15			
172RG <sup>1</sup>	172RG0891 thru 172RG1177	9851096-2S, 9851096-5S	FSS-KT-4	FSO-KT-7			
172RG <sup>1</sup>	172RG1178 thru 172RG1191	9851096-5S	FSS-KT-4	FSO-KT-7			
F172D,E	F172-0001 thru F172-0085	MC0513120-6 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
F172F,G,H,K,L,M <sup>1</sup>	F172-0086 thru F17201234	MC0513120-8 <sup>7</sup> <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
F172M <sup>1</sup>	F17201235 thru F17201514	MC0513120-200 <sup>7</sup> <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
F172N,P <sup>1</sup>	F17201515 thru F17202134	9851067-4S	FSS-KT-5	FSO-KT-13			
F172P <sup>1</sup>	F17202135 thru F17202254	9851096-2S, 9851096-5S	FSS-KT-4 <sup>2</sup>	FSO-KT-7 <sup>2</sup>			
FR172E,F,G,H,J <sup>1</sup>	FR17200001 thru FR17200390	MC0513120-8 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17	0716111-1SF	FSS-KT-16	FSO-KT-3
FR172J <sup>1</sup>	FR17200391 thru FR17200530	MC0513120-8 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17	0716111-2S <sup>3</sup>		
FR172J <sup>1</sup>	FR17200531 thru FR17200590	MC0513120-200 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
R172K, FR172K	All	MC0513120-200 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17	0716109-1S	FSS-KT-17	FSO-KT-5
P172/FP172	All	MC0513120-6 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
175, 175A,B	All	MC0513120-5 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
175C	17557003 thru 17557119	MC0513120-6 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17			
177, 177A,B	All	MC0513120-9 <b>New FAA-PMA!</b>	FSS-KT-2	FSO-KT-17	S1903-1S	FSS-KT-16	FSO-KT-4
177RG <sup>1</sup>	177RG0001 thru 177RG0282				0716111-4S, S1903-2S	FSS-KT-16	FSO-KT-4 <sup>6</sup>
177RG <sup>1</sup>	177RG0283 thru 177RG0314	MC0716613-4 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1			
177RG <sup>1</sup>	177RG0315 thru 177RG1051	MC0716613-5 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1			
177RG <sup>1</sup>	177RG1052 thru 177RG1366	9851067-6S	FSS-KT-5	FSO-KT-13			
F177RG <sup>1</sup>	F177RG0001 thru F177RG0062				0716111-4S, S1903-2S	FSS-KT-16	FSO-KT-4 <sup>6</sup>
F177RG <sup>1</sup>	F177RG0063 thru F177RG0077	MC0716613-4 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1			
F177RG <sup>1</sup>	F177RG0078 thru F177RG0160	MC0716613-5 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1			
F177RG <sup>1</sup>	F177RG0161 thru F177RG0177	9851067-6S	FSS-KT-5	FSO-KT-13			

Eligibility continued on next page

- <sup>1</sup> Partial model eligibility
- <sup>2</sup> Use FSS-KT-3 and FSO-KT-8 if equipped with air conditioner
- <sup>3</sup> Part number listed for reference only
- <sup>4</sup> The detent housing type must be verified by McFarlane's technician before purchasing an exchange unit from our stock. Please call 888-624-3153.
- <sup>5</sup> 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.
- <sup>6</sup> FSO-KT-4 only works with valve S1903-2S
- <sup>7</sup> 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.



## Eligibility for Repaired Fuel Selector and Fuel Shut Off Valves and Kits for Cessna Aircraft

Model	Serial Number	Fuel Selector Valve			Fuel Shut-Off Valve		
		McFarlane P/N 4	Seal Kit	Repair Kit	McFarlane P/N 4	Seal Kit	Repair Kit
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 <b>New FAA-PMA!</b>	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 <b>New FAA-PMA!</b>	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 2	FSS-KT-16	FSO-KT-3
185B	185-0513 thru 185-0653	MC0716613-3 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1	0716111-1S 2	FSS-KT-16	FSO-KT-3
185C	All	MC0716613-3 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1	0716111-1S 2	FSS-KT-16	FSO-KT-3
185D,E, A185E 1	185-0777 thru 185-1300	MC0716613-3 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1	0716111-1S 2	FSS-KT-16	FSO-KT-3
A185E 1	18501301 thru 18501599	MC0716613-4 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1	0716111-1S 2	FSS-KT-16	FSO-KT-3
	18501600 thru 18501679	MC0716613-4 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1	Fuel Shut Off Control P/N MCS1241-27	FSS-KT-16	FSO-KT-3
A185E 1, A185F 1	18501680 thru 18502310	MC0716613-4 <b>New FAA-PMA!</b>	FSS-KT-18	FSO-KT-1	Fuel Shut Off Control P/N MCS1241-34	FSS-KT-16	FSO-KT-3
A185F 1	18502311 thru 18503153	0716613-4S	FSS-KT-18	FSO-KT-1	0716111-1S 2	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		
A188 With Wing Tanks	188-0446 thru 188-0572				1H14-2S 3		
A188A 1, A188B 1 With Wing Tanks	18800573 thru 18802348				0716111-1S 2	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
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,	FSS-KT-6	FSO-KT-18			
		0855020-4S (Aux)	FSS-KT-19	FSO-KT-19			
320, 320-1, 320A,B,C	320-0001 thru 320C0073	0855013-1S	FSS-KT-6	FSO-KT-18			
		0855020-4S (Aux)	FSS-KT-19	FSO-KT-19			
320D	320D0001 thru 320D0130	0855020-5S	FSS-KT-20	FSO-KT-20			

1 Partial model eligibility  
 2 For aircraft with flared threads use P/N 0716111-1SF. For aircraft with pipe threads use P/N 0716111-1SP.  
 3 Part number listed for reference only  
 4 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.

### Maintenance Tip:

The fuel selector valve works in unscreened fuel. Contaminated fuel can cause selector valve seal damage. When fueling from possibly contaminated fuel sources McFarlane recommends the use of a fuel filter, such as Mr. Funnel or another filtering device, to reduce trash in the fuel system. See page 242 for additional information on Mr. Funnel fuel filters.

