

Air Tractor Certified Turbine Starting Sealed Lead Acid Battery Installation



We love the RG-220. We like that the battery box is clean; it's a cleaner, friendlier installation without corrosion treatment and preventative maintenance. The mechanic appreciates it and for us it reduces our maintenance costs. There are more amps available for faster, cooler starts."

SAM ROGGE
 JET STREAM AG AVIATION, PRESIDENT AND PILOT
 NAAA COLORADO BOARD MEMBER
 AT-402B INSTALLATIONS



FAA STC SA01090DE

TCCA - Eligible by SI 513-003

FAA STC for Air Tractor Models
 AT-402, AT-402A, AT-402B, AT-502,
 AT-502A, AT-502B, AT-504, AT-602,
 AT-802, AT-802A

Main Battery Upgrade –

Concorde's higher capacity turbine starting sealed lead acid RG-220 (24V, 21Ah) batteries replace Gill's G-246AT / G-246 / PS12-24P-11 (24V, 19 Ah) or 7246-20 (24V, 20 Ah).

The TSO-C173a authorized RG-220 was specifically designed to start PT6 turbine engines. It is built with the same components and features that are proven to optimize current output, maximize capacity and sustain turbine engine power requirements in the most demanding jet applications. The RG-220 is dependable season after season.

Upgrading to the RG-220 results in faster starts, improved performance and reduced engine wear.

RG® Battery Advantages:

- Supported by Concorde's world class customer service
- Sealed technology - no electrolyte management or potential contamination
- Proprietary PolyGuard® Separators – for added protection against shock & vibration
- Concorde batteries are 100% recyclable

Specifics:

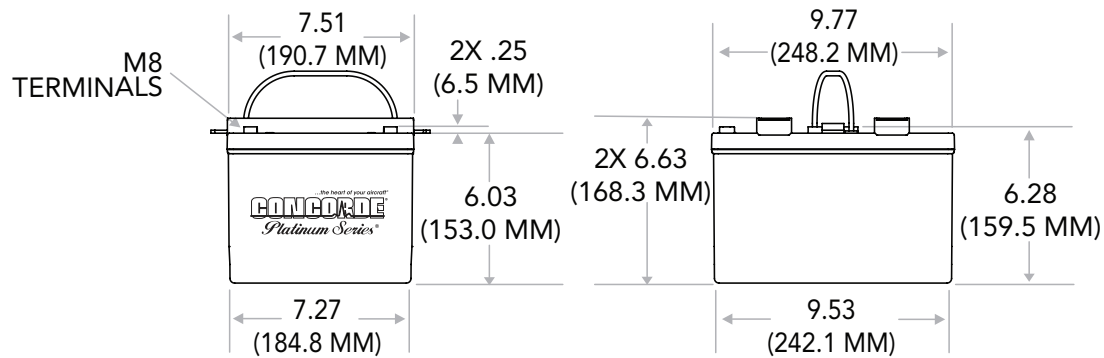
STC provides for the installation of Concorde RG-220 batteries in place of the original equipment lead acid main batteries. The battery quantity per aircraft varies by model with some installing two (2) batteries and some installing three (3) batteries. Concorde's RG-220 batteries are direct fit replacements.

Installation Instructions:

1. Remove existing main batteries from the aircraft in accordance with (IAW) the Aircraft Maintenance Manual (AMM). Observe all cautions in the manual.
2. Install RG-220 batteries IAW the AMM.
3. Set the voltage regulator IAW Concorde RG Series Aircraft Battery Owner Operator Manual (OOM) Drawing 5-0324, Table 1.
4. Update the aircraft weight and balance by subtracting the weight of the existing batteries and add in the weight of the new Concorde replacements.
5. Insert FAA approved Instructions for Continued Airworthiness, Drawing 5-0722, in the appropriate location in the Aircraft Maintenance Manual.
6. Complete the appropriate forms to return the aircraft to service.

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Main Battery Upgrade –
 RG-220 (21 Ah)



Part Number	Rated Capacity C1 in Ah	23°C / 74°F		-18°C / 0°F		-30°C / -22°F		Maximum Weight
		IPP	IPR	IPP	IPR	IPP	IPR	
RG-220	21 Ah	1100	800	800	600	625	425	44.1 LB / 20 KG