

Gulfstream GV, GV-SP

Certified Sealed Lead Acid Battery Installation



FAA STC ST01097DE

Main Battery Upgrade -

Existing SAFT 1159SCAV519-1 / 023805-000 / 5317CH-1 (25.2V, 53 Ah) batteries are replaced with two RG-380E/53L (24V, 53 Ah) sealed lead acid batteries, two Gulfstream Charge Adaptors (P/N 9713), two Hold Down Bars (P/N 7488) and two Battery Tray Inserts (7489)

RG® Battery Advantages:

- Reduced cost per flight hour
- No deep cycling requirement
- No water replenishment
- No threat of thermal runaway
- Shipping Hazmat Exempt
- Fully Recyclable – the green solution

Made in the U.S.A

Specifics:

STC provides for the installation of two Concorde RG-380E/53L valve regulated sealed lead acid (VRSLA) batteries in place of the original equipment nickel cadmium batteries.

Installation Instructions:

1. Remove the existing main batteries from the aircraft in accordance with Gulfstream Maintenance Manual 24-34-01.
2. Place both the Left and Right Battery Chargers in TR Mode reducing the charge voltage to 27.75 volts.
3. Install a Gulfstream Charge Adaptor (P/N 9713) on each aircraft temperature sensor connector and stow the connector cables.
4. Install Hold Down Bar (P/N 7488) on each replacement battery (reusable).
5. Install a Battery Tray Insert (P/N 7489) in each of the existing aircraft battery tray locations (reusable).
6. Install the RG-380E/53L battery in the space provided in each battery tray insert.
7. Continue the installation following instruction in Gulfstream Maintenance Manual 24-34-01.
8. Add Concorde Drawing 5-0728 Instructions for Continued Airworthiness to the Maintenance Instructions.
9. Complete the appropriate forms and return aircraft to service



RG-380E/53L



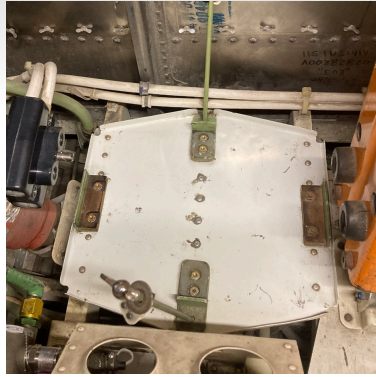
CONCORDE BATTERY CORPORATION

2009 San Bernardino Road | West Covina, CA 91790 USA
626-813-1234 | Fax 626-813-1235 | www.ConcordeBattery.com
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CONCORDE
GULFSTREAM GV, GV-SP

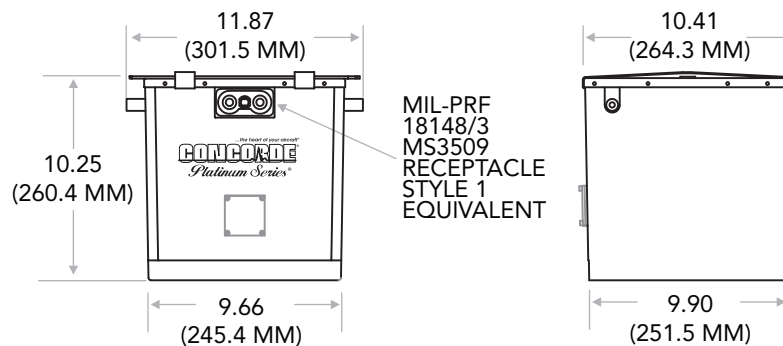
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Main Battery Upgrade – RG-380E/53L (53 Ah)



RG-380E/53L installed with 5-0730 kit

RG-380E/53L



Part Number	Rated Capacity C1 in Ah	IPP 23°C / 74°F	IPR 1200	IPP -18°C / 0°F	IPR 1000	IPP -30°C / -22°F	IPR 800	Maximum Weight
RG-380E/53L	53Ah	1650	1200	1325	1000	1125	800	96 LB / 43.6 KG

Miscellaneous

P/N 5-0730 Kit* includes:

P/N 7688 Insert Bit, Security, 5/32 Hex Drive
P/N 9713 Adaptor, Gulfstream Charger
P/N 7488 Bar, Hold Down, GV
P/N 7489 Insert Battery Tray, GV

* Kit information is for reference only.
STC purchase includes all kit components.

Note:

Nominal voltage of the Concorde RG® Series RG-380E/53L is 24.0 V compared to 25.2 V nominal voltage of the existing battery. The voltage difference will result in lower stabilized voltages around 24.2 volts after the "initial powerup test" for the GV-SP. The difference in nominal voltage does not negatively impact performance.

The item or technical data contained herein has been reviewed and approved for general release on the basis that it contains no export-controlled information.

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