

Gulfstream G280

STC Certified Heavy Duty Sealed Lead Acid Battery Installations



Photo provided by Paul Kanagie, phlairline.com

FAA STC ST04469AT
EASA ESTC 10073460
Israel CAAI Approved Foreign STC
Main Battery Upgrade –

Original equipment Gill P/N 7638-38HT (24V, 38Ah) are replaced with two each RG-380E/GH Series 24 volt TSO-C173a Authorized batteries & two HCU-6 Heater Control Units.

Battery Part No.	Capacity	Weight
RG-380E/40GH	38 Ah	85 lbs. Max
RG-380E/44GH	42 Ah	90 lbs. Max
RG-380E/46GH	46 Ah	90 lbs. Max
RG-380E/60GH	48 Ah	97 lbs. Max
RG-380E/53GH	53 Ah	98 lbs. Max

HCU-6 was designed to be transferred from one battery to the next to reduce battery acquisition cost.

RG® Battery Advantages:

- Additional capacity for faster starting and reduced engine wear
- Longer battery life
- Concorde reliability, dependability safety and support
- Ships Hazmat Exempt
- Fully recyclable - the green solution

Made in the U.S.A.

CONCORDE BATTERY CORPORATION

2009 San Bernardino Road | West Covina, CA 91790 USA
 626-813-1234 | Fax 626-813-1235 | www.ConcordeBattery.com
 ISO 9001 + AS9100 | Crafted for Quality in the U.S.A.

Shown: RG-380E/53GH-6
 Assembled with HCU-6
 Heater Control Unit

Available in various capacities:
 RG-380E/40GH, 38 Ah
 RG-380E/44GH, 42 Ah
 RG-380E/46GH, 46 Ah
 RG-380E/60GH, 48 Ah
 RG-380E/53GH, 53 Ah



Specifics:

STC provides for the installation of two Concorde RG-380E/GH Series valve regulated sealed lead acid (VRLA) batteries in place of the two original equipment lead acid batteries.

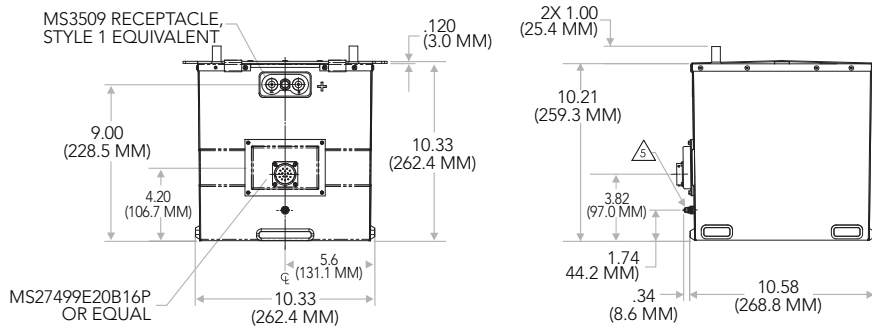
Concorde's RG-380E/GH Series of batteries have been designed as drop-in replacements and require no airframe modification.

1. Remove the existing main batteries from the aircraft in accordance with Gulfstream Maintenance Manual 24-33-01 Main Battery – Removal / Installation instructions.
2. Install Heater Control Unit HCU-6 on each RG-380E/GH replacement battery.
3. Install the RG-380E/GH batteries in the spaces provided in accordance with Gulfstream Maintenance Manual, 24-33-01 Main Battery - Removal/ Installation instructions.
4. Perform all updates, adjustments, insertions, & entries to the records.
5. Complete the appropriate forms and return aircraft to service.

...the heart of your aircraft®

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Part Number	Rated Capacity C1 in Ah	IPP	IPR	IPP		IPR		Maximum Weight
				23°C / 74°F	-18°C / 0°F	-30°C / -22°F	-30°C / -22°F	
RG-380E/40GH-6	38 Ah	1350	1050	900	750	650	550	85 LB / 38.7 KG
RG-380E/44GH-6	42 Ah	1350	1000	875	750	750	600	90 LB / 39 KG
RG-380E/46GH-6	46 Ah	1375	1050	1075	850	875	675	90 LB / 40 KG
RG-380E/60GH-6	48 Ah	1600	1200	1200	950	900	700	97 LB / 44 KG
RG-380E/53GH-6	53 Ah	1650	1200	1325	1000	1125	800	98 LB / 44.5 KG

Assembly consists of RG-380/53GH and HCU-6

Available in various capacities:
 RG-380E/40GH, 38 Ah
 RG-380E/44GH, 42 Ah
 RG-380E/46GH, 46 Ah
 RG-380E/60GH, 48 Ah
 RG-380E/53GH, 53 Ah

Miscellaneous

P/N 5-0600 Kit includes:

- P/N HCU-6 Heater Control Unit (1 per kit)
- P/N 8184 Gap Pad (1 per kit)
- P/N 6457 Screw, Socket Head, Drilled (4 per kit)
- P/N 5-0601 – HCU-6 CMM (Component Maintenance Manual)
- P/N 5-0313 – HCU-6 Installation Instruction

* Kit information is for reference only. Batteries purchased for conversion have been assembled with 5-0600 components. HCUs are transferable to replacement batteries. Replacement kits are only necessary in the rare case of an HCU failure.

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