

# Embraer Phenom 300, EMB505

## Certified Sealed Lead Acid Battery Installation

PHOTOGRAPH PROVIDED BY EXECUTIVE AIRSHARE



**FAA STC SA00959DE**  
**ANAC STC 2020S04-07**  
**EASA ESTC 10072168 REV. 1**  
**TCCA – Eligible by SI 513-003**

### Main Battery Upgrade –

Gill 7639-34 (24V, 34Ah) battery is replaced with RG-390E (24V, 28Ah) or RG-390E/30 (24V, 30Ah).  
Gill 7638-36 (24V, 36Ah) or 7638-48P (24V, 48Ah) is replaced with RG-380E/44 (24V, 42Ah) or RG-380E/60L (24V, 48Ah) or RG-380E/53L (24V, 53Ah).

- Reduced cost per flight hour
- Increased service life
- Improved performance
- Proven reliability

RG-380E/44 | 42Ah

RG-380E/60L | 48Ah  
RG-380E/53L | 53Ah

RG-390E | 28Ah  
RG-390E/30 | 30Ah

STC provides for the installation of RG-390E or RG-390E/30 and RG-380E/44 or RG-380E/53L or RG-380E/60L Concorde batteries in place of the original equipment lead acid batteries in Embraer EMB-505 aircraft. This STC provides the opportunity to select the battery combination that meets your unique capacity and fleet requirements.

- 1) Remove existing lead acid battery in accordance with (IAW) Embraer EMB-505 Aircraft Maintenance Manual.
- 2) Install Concorde RG-390E or RG-390E/30 battery IAW EMB-505 Aircraft Maintenance Manual. On aircraft where a spacer is necessary for a proper fit between the aircraft battery hold down and battery, install P/N 7000.
- 3) Install Concorde RG-380E/44 or RG-380E/53L or RG-380E/60L battery IAW EMB-505 Aircraft Maintenance Manual.
- 4) Perform the battery operational test IAW EMB-505 Aircraft Maintenance Manual.

STC includes P/N 7000 and installation instructions.

"Executive AirShare has replaced the original batteries in our Embraer Phenom fleet with the Concorde batteries. We have been very pleased with the results. The in service life of the batteries is almost double, and the in-the-field failure rate has been dramatically reduced." - Gary Veer, Director of Maintenance at Executive AirShare

### CONCORDE BATTERY CORPORATION

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

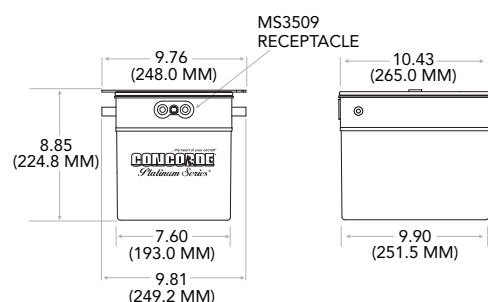
...the heart of your aircraft®  
**CONCORDE**  
EMBRAER PHENOM 300 STC

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**Main Battery Upgrade –**  
**RH FORWARD FUSELAGE BATTERY**  
**REPLACEMENT OPTIONS**

RG-390E, 28Ah | RG-390E/30, 30Ah

**RG-390E & RG-390E/30**

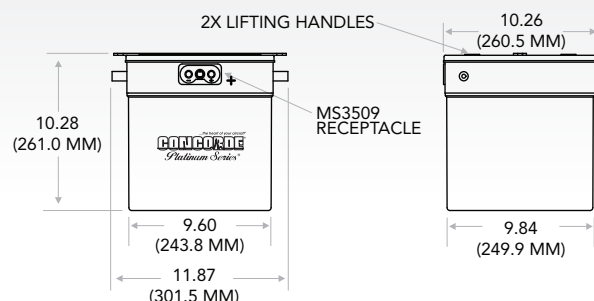


RH Forward Fuselage Battery Replacement Options	Rated Capacity C1 in Ah	IPP 23°C / 74°F	IPR 23°C / 74°F	IPP -18°C / 0°F	IPR -18°C / 0°F	IPP -30°C / -22°F	IPR -30°C / -22°F	Maximum Weight
RG-390E	28Ah	1350	950	1025	800	800	600	62 LB / 28.1 KG
RG-390E/30	30Ah	1525	1100	1100	800	875	600	63 LB / 28.6 KG

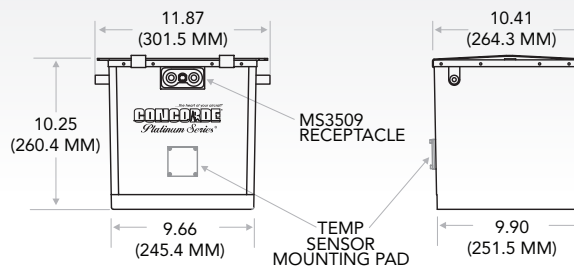
**REAR WING TO FUSELAGE FAIRING BATTERY REPLACEMENT OPTIONS**

RG-380E/44, 42 Ah | RG-380E/60L, 48 Ah | RG-380E/53L, 53 Ah

**RG-380E/44**



**RG-380E/53L & RG-380E/60L**



Rear Wing to Fuselage Fairing Battery Replacement Options	Rated Capacity C1 in Ah	IPP 23°C / 74°F	IPR 23°C / 74°F	IPP -18°C / 0°F	IPR -18°C / 0°F	IPP -30°C / -22°F	IPR -30°C / -22°F	Maximum Weight
RG-380E/44	42Ah	1350	1000	875	750	750	600	86 LB / 39.0 KG
RG-380E/60L	48Ah	1600	1200	1200	950	900	700	96 LB / 43.6 KG
RG-380E/53L	53Ah	1650	1200	1325	1000	1125	800	96 LB / 43.6 KG

**Miscellaneous**

P/N 7000 – Spacer, Embraer EMB-505, Aux Battery

P/N 5-0677 – Installation Instructions, Embraer 505 Battery Upgrade

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