

ATR 42 Series & ATR 72 Series Certified Sealed Lead Acid Battery Installations



FAA STC ST03930AT
EASA ESTC 10038867
TCCA Acceptance
ANAC Brazil 2012S10-07

RG-380E/44 (42 Ah), Main

RG-380E/53L
(53 Ah), Main

RG-380E/60L
(48 Ah), Main

RG-42 (17 Ah),
Auxiliary

Main Battery Upgrade –

Existing Nickel Cadmium battery is replaced with Concorde Battery RG-380E/44 (24V/42Ah) or RG-380E/60L (24V/48Ah) or RG-380E/53L (24V/53Ah).

Auxiliary Battery Upgrade –

Existing Nickel Cadmium battery is replaced with Concorde Battery RG-42 (24V/17Ah).

- Drop In Replacement
 - Lower cost of acquisition
 - Reduced cost per flight hour
 - No memory effect, cycling requirements or thermal runaway
 - Ship Hazmat Exempt
 - Lead Acid Batteries are 100% Recyclable
- Made in the U.S.A.

This STC provides for the installation of Concorde RG-380E/44, RG-380E/60L or RG-380E/53L main ship & RG-42 auxiliary lead acid batteries in place of the existing Nickel Cadmium batteries in the ATR-42/72 Avions de Transport Regionale Aircraft Series. STC replaces Nickel Cadmium batteries in both positions.

1. Remove existing battery from aircraft in accordance with ATR-42/72 Maintenance Manual.
2. Install a dummy plug (7945) on each aircraft side temperature sensor connector. Stow the temp sensor connector from each battery.
3. Install placards (6716) on battery temperature alarms indicating that they are not operational.

4. Install Concorde RG-380E/44, RG-380E/60L or RG-380E/53L IAW ATR 42/72 Maintenance Manual Instructions for installing the main Nickel Cadmium. Omit that portion of the instruction pertaining to connection of the temperature sensor connector.
5. Install Concorde RG-42 IAW ATR 42/72 Maintenance Manual Instructions for installing the auxiliary Nickel Cadmium. Omit that portion of the instruction pertaining to connection of the temperature sensor connector.
6. Perform the battery operational tests IAW ATR-42/72 Maintenance Manual.
7. Weigh the batteries being removed & update the weight & balance for the installed battery.

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.

...the heart of your aircraft®
CONCORDE
ATR 42 SERIES & ATR 72 SERIES

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Main Battery

RG-380E/44 (24V/42Ah)
RG-380E/60L (24V/48Ah)
RG-380E/53L (24V/53Ah)



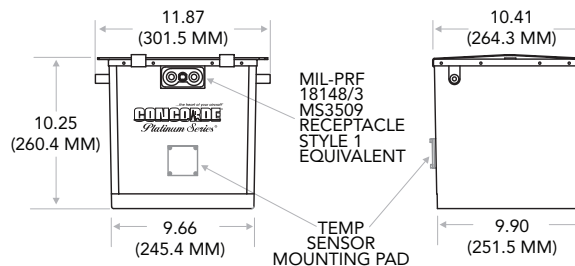
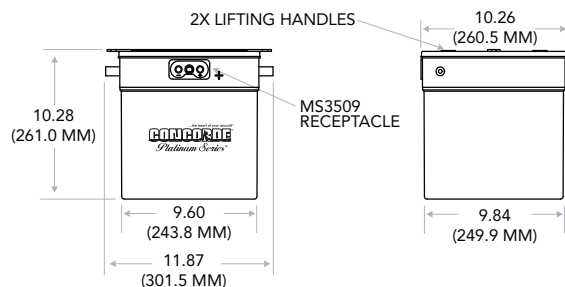
RG-380E/44 (42 Ah), Main



RG-380E/60L
(48 Ah), Main



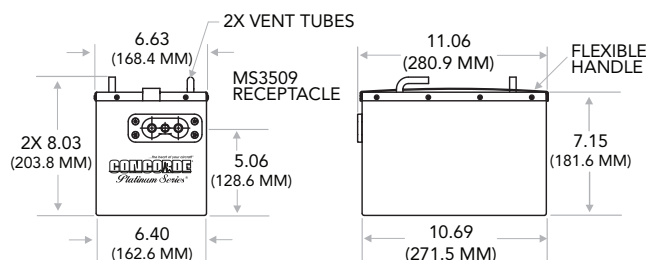
RG-380E/53L
(53 Ah), Main



Part Number	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	42 Ah	1350	1000	875	750	750	600	86 LB/39.0 KG
RG-380E/60L	48 Ah	1600	1200	1200	950	900	700	96 LB/43.6 KG
RG-380E/53L	53 Ah	1650	1200	1325	1000	1125	800	96 LB/43.6 KG

Auxiliary Battery

RG-42 (24V/17Ah)



Part Number	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-42	17 Ah	900	625	600	425	450	300	43 LB/19.5 KG

Miscellaneous

7945 – Dummy Temperature Sensor (x2)

This sensor disables the battery temperature warning system which is not required for lead acid batteries.

6716 – Placard (x2)

To be installed on battery temperature alarm indicating that they are not operational.

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