MD 369D, 369E, 369F, 369FF, 500N & 600N Certified High Capacity Sealed Lead Acid Battery Installation



RG-624 (24 Ah)

FAA STC SR00864DE
EASA ESTC 10070116
Hong Kong STC-2018-16

Main Battery Upgrade –
Marathon 369D296503 (-BSC, -3, -5, -7, or -9) (24V/17Ah) is replaced with RG-624 (24V/24Ah).

- Lower cost of acquisition
- Reduced cost per flight hour
- No memory effect or cycling requirement
- Hazmat Exempt
- Fully recyclable – the green solution
- MD Helicopters® Endorsement via SL369D-133, SL369E-086, SL369F/FF-078, SL500N-033 and SL600N-027.

STC provides for the installation of RG-624 battery in place of the original equipment nickel cadmium battery or a lead acid RG-500, RG-600-1 or RG-600-2 installed under STC SR00716SE or SR01564LA.

Replacement of a 13Ah nickel cadmium battery requires MD Helicopter Maintenance Manual Section 96-05-10, Heavy Duty Battery (17 Amp, 20 Cell) Initial Installation and associated structural modifications be completed prior to incorporation of STC SR00864DE.

If rotorcraft has been modified per STC SR00716SE or SR01564LA skip to step 4.

1) Remove nickel cadmium battery. Disconnect wires from pins A and C of connector. Tag, cap the contacts and stow battery connector P108.
2) Obtain new wiring of the exact type, gauge and color coding as the existing wire disconnected above. Verify the new wires can be installed alongside disconnected wires and identify the new wires with addition of "Lead-Acid Battery".
3) Connect the two new wires to the contacts on Concorde supplied connector P/N 4002 and perform a continuity check.
4) Set the battery in its correct location and install the mounting hardware.
5) Connect battery quick-disconnect and close battery compartment
6) Install Placard, adjacent to the deactivated Battery Temp Warning lights. (placard may already be installed if 17Ah Lead Acid was previously installed).
7) Set constant voltage regulator in accordance with Aircraft Maintenance Manual.

When replacing 17 Ah nickel cadmium battery, STC includes installation plans, placard (P/N 8481) and 2 Wire Plug (P/N 4002).

When replacing RG-500, RG-600-1 or RG-600-2, STC includes installation plans and placard (P/N 8481).

Each installation utilizes the aircraft's original mounting support and hardware. Any additional materials required for the modification may be procured from MD Helicopters and are not supplied as part of the STC.

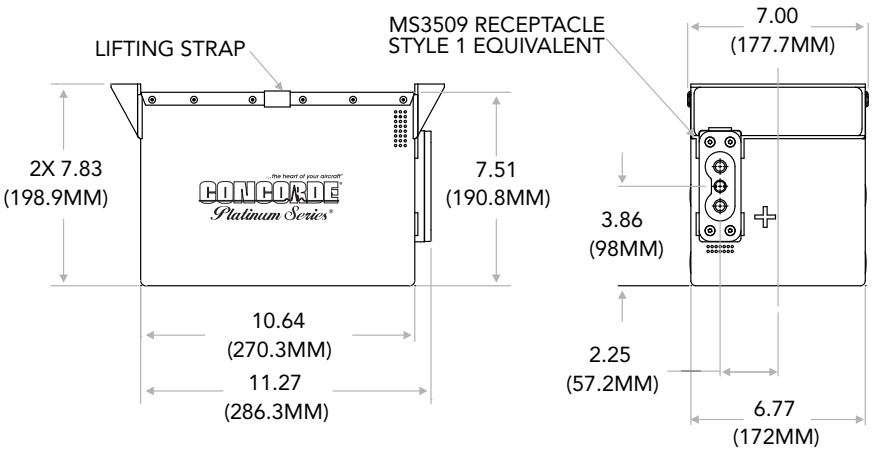
CONCORDE BATTERY CORPORATION
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Main Battery Upgrade –
RG-624, 24Ah





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-624	24 Ah	1025	650	725	500	575	400	52.0 LB / 23.6 KG

Miscellaneous

P/N 8481 Placard

P/N 4002 2 Wire Plug Disconnect

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