



SERVICE LETTER No. L 87-Rev.1

DATE: November 4, 2019

TO: All Z 142, Z 142C aircraft operators - *optional*

MODELS AFFECTED: All Z 142 and/or Z 142 C aircraft equipped with Gill G-246 battery or Varley 24.19 A5C battery.

SUBJECT: Possibility of CONCORDE RG24-20 battery installation.

CONCORDE RG 24-20 battery installation has been approved for the Z 142 and/or Z 142C aircraft type.

Installation procedure:

1. Remove the original battery according to Z 142 Overhaul Manual, Chapter 3, section 24 or acc. to Z 142 C Maintenance Manual Vol. I., Chapt. 6.12.1.
2. Install CONCORDE RG 24-20 battery according to Supplement No. 7 of the Z 142 Technical Manual or acc. to Supplement No. 2 of the Z 142 C Maintenance Manual Vol. I.

NOTE: Do not use vent plugs, plastic hose, plastic cover and passage cylinder for CONCORDE RG 24-20 battery installation!

3. Record the battery replacement into the aircraft Log Book.

Other procedure:

4. Order and insert the appropriate Supplements into the Z 142 or Z 142 C Aircraft Flight Manual and Z 142 or Z 142 C Maintenance Manual Vol. I. regarding CONCORDE RG 24-20 battery installation.



5. Maintain the battery according to the Supplement No. 7 of the Z 142 Technical Manual or acc. to the Supplement No. 2 of the Z 142 C Maintenance Manual Vol. I. or according to the battery manufacturer's instructions.

Approved by:

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Lubomir Januška

Head of Design Organisation (DOA)

GENERAL AVIATION AGM AIRCRAFT BATTERY

RG24-20 Specifications

Voltage	24 Volts
Rated Capacity C ₁	19 AH
Maximum Weight	42 LB / 19.1 KG

Specifications are subject to change without notice

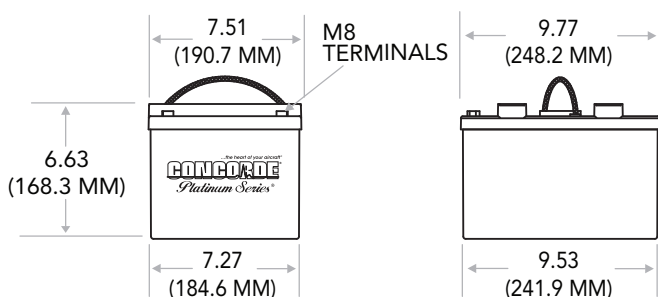
**IEC Rated for Peak Power (IPP)
 & 15 Second Power Rating (IPR)**

IPP	IPR	IPP	IPR	IPP	IPR
At 23° C (74° F)		At -18° C (0° F)		At -30° C (-22° F)	
900 A	600 A	600 A	475 A	475 A	375 A

Rated in accordance with International Standard 60952-1

ISO 9001+ AS9100

The data/information contained herein has been reviewed & approved for general release on the basis that this document contains no export controlled information.



Concorde is a world leader in valve regulated lead acid (VRLA) aircraft batteries. Designed with advanced lead acid technology, the RG® Series (recombinant gas) is constructed with proprietary PolyGuard® separators and AGM (absorbed glass mat) technology that has been adopted by U.S. and foreign military air forces. Concorde's proven reliability and excellent performance has resulted in more certified installations as Original Equipment or Replacements than any other lead acid aircraft battery manufacturer worldwide.

Concorde batteries are engineered by a staff of experts with the distinction of having been selected to write military aircraft battery specifications and participate in setting FAA and International Aircraft Battery Standards. Outstanding customer support is provided by a professional staff with decades of experience in aircraft systems and the aircraft battery industry.

- Copper alloy corrosion free terminals & hardware provide low impedance connections.
- Superior starting power in hot & cold climates.
- Reliable essential power in the event of a generator failure.
- Larger intercell connections optimize outrush current flow & increase charge acceptance.
- Low impedance design.
- Proprietary PolyGuard® separators between the plates for added protection against shock & vibration.
- Non removable vent valves, water replenishment is never required – ever.
- Robust polypropylene containers.
- Fully serviced, tested & ready for installation when shipped from the factory.
- Non-spillable at any attitude.
- Ship Hazmat Exempt whether by land, sea or air.

Platinum Series®

- Extra cranking power resulting in less draw on the battery per cycle for longer battery life.
- Higher voltage output (more work) with less current.
- Lower percentage of drain resulting in more reserve capacity in the case of a generator failure.
- More power to operate avionics and electrical systems, thereby increasing the life of the aircraft's systems.