

CONCORDE BATTERY CORPORATION

2009 San Bernardino Road West Covina, CA 91790 www.concordebattery.com

SERVICE BULLETIN

CBC-SB-12142015-1 Dec 14/2015

SUBJECT: Replacement of Circuit Breaker

APPLICABILITY: RG-150-1 and RG-150-2 battery assemblies

Reference: a) Concorde CMM 24-30-69, Document No. 5-0169 REVC, dated May 06/2011

Summary:

This Service Bulletin provides instructions for replacement of the 5A circuit breaker.

Background:

RG-150-1 and RG-150-2 batteries contain a 5A circuit breaker that is a component of the Front Shell assembly. If this circuit breaker fails or gets broken, it can be replaced with a new circuit breaker to repair the battery. However, the CMM does not currently provide instructions for replacement of the circuit breaker. This SB provides instructions for replacement of the circuit breaker pending revision of the CMM.

Instructions:

- 1. Remove the Back Shell Assembly and Monobloc Assembly from the Front Shell Assembly as described on page 301 of the referenced CMM.
- 2. Remove the 7/16" nut and lock washer that secure the circuit breaker (CB) to the front plate of the Front Shell assembly.
- 3. Remove the CB from the hole in the front plate and clamp the CB body in a vice.
- 4. Remove the two Phillips head screws from the CB terminals.

<u>NOTE:</u> The threads of the screws have thread locking compound (Loctite #272) which may make it difficult to remove the screws. To avoid stripping the screw head, it may be necessary to heat the head of the screw with a soldering iron before removing the screws.

- 5. Discard the failed/broken CB and obtain a new CB conforming to MS3320-5 (Concorde P/N 8845-5 or equivalent).
- 6. Apply thread locking compound (Loctite #272 or equivalent) to the threads of the two Phillips head screws furnished with the new CB.
- 7. Fasten the ring terminals of the wires from J3-1 and J3-2 to the CB terminals using the screws and lock washers furnished with the new CB.
- 8. Apply thread locking compound (Loctite #272 or equivalent) to the threads of the CB mounting screw and insert it into the hole in the front plate of the Front Shell Assembly.

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- 9. Thread and tighten the nut and lock washer furnished with the new CB onto the CB mounting screw to fasten the CB to the Front Shell Assembly.
- 10. Assemble the Monobloc Assembly and Back Shell Assembly to the Front Shell Assembly per pages 701-702 of the referenced CMM.
- 11. Perform a capacity test on the battery assembly per page 106 of the referenced CMM to confirm airworthiness.

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

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RECORD OF REVISIONS

Revision	Date	Description	Approved
NC	Dec 14/2015	Initial release.	PH

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