

MDC-3000/3110/4000/4110 MAINTENANCE DIAGNOSTICS COMPUTER

Service Information Letter 11-1 REVISION NO. 3

RECOMMENDED BATTERY REPLACEMENT

TRANSMITTAL INFORMATION SUMMARY

Summary

This is revision 3 of SIL 11-1 for MDC-XXX0 Maintenance Diagnostics Computer.

This revision adds MDC-3110 and MDC-4110 coverage.

Black bars in the margins indicate changes.

Replace revision 2 with this revision.

Service Information Letter Revision History

REVISION	DATE OF RELEASE
Initial Release	March 22, 2011
Revision 1	September 1, 2011
Revision 2	May 8, 2012
Revision 3	December 18, 2012

Notice

INFORMATION SUBJECT TO EXPORT LAWS

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Export Control Classification Notice (ECCN) for this document is 7E994.

1.0 General Information

LRU faults can occur due to depletion of an internal battery that is required to keep Non-Volatile-Memory and real time clocks active when avionics power is off. Rockwell Collins developed the following battery replacement recommendation to increase dispatch rates by reducing the probability of an LRU failure at power up. To help reduce cost impact for customers following the recommended replacement intervals, Rockwell Collins is discounting Rental/Exchanges and repairs to battery only transactions.

2.0 Background

The MDC-3000/4000 battery is used to retain data in the memory and sustain the clock circuit. In the MDC-3110/4110, the battery is used to only sustain the clock circuit. The batteries in these products are in use when no power is applied to the avionics buss (avionics master OFF or IAPS circuit breaker pulled). Therefore, for the MDC, the more the aircraft is in use, the longer the battery will last.

3.0 Recommended Replacement Interval

FLT HOURS PER YEAR	MDC-X000 SINGLE BATTERY LIFE YEARS	MDC-X000 DUAL BATTERY LIFE YEARS (SB27)	MDC-X110 BATTERY LIFE YEARS	MDC-X110 BATTERY LIFE YEARS (SB 6)
0-250	3	6	3	6
250-450	4	7	4	7
450-700	6	9	6	9
700-900	7	10	7	10
900-2000	8	13	8	13

4.0 Pricing

Customers can expect 50% discount off List Price of Rental/Exchange units for battery only exchanges. When ordering a Rental/Exchange unit, customers should identify to the Order Administrator the exchange is for battery replacement. Exchange transactions for other than battery replacement will be charged at standard pricing.

Customer units or Rental/Exchange cores determined to require additional repair beyond battery replacement will be charged for the additional repairs at the regular list price as appropriate (determined by warranty status). Special pricing for "Battery Only" repairs has also been established. Contact a Rockwell Collins Service Center for current pricing.

Please be sure to coordinate with Rockwell Collins Service Centers and/or Rental/Exchange Pool Order Administrators prior to any planned maintenance action.

For additional questions, contact your local Dealer or Customer Support Engineer or call Rockwell Collins Customer Support at 319-295-5000.