

**MDC-3110 MAINTENANCE DIAGNOSTIC COMPUTER (CPN 822-1987-004/005/006/007)
MDC-4110 MAINTENANCE DIAGNOSTIC COMPUTER (CPN 822-1988-104)**

Service Information Letter 09-1

MAINTENANCE DIAGNOSTIC COMPUTER LOCK-UP CONDITIONS

TRANSMITTAL INFORMATION SUMMARY

Summary

This is the original issue of SIL 09-1 for MDC-3110/4110.

Service Information Letter Revision History

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Notice

INFORMATION SUBJECT TO EXPORT LAWS

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1.0 Description of Condition

The MDC can experience a temporary lock-up condition when the user attempts to view the electronic part numbers using the LRU SW Part Number Data function accessed from the Configuration Data page. This function reports the electronic part numbers from LRUs containing field loadable software. When the lock-up condition is present, the user will see the MFD display “No Data Available” soon after the operation is attempted. The remainder of the MDC functions will not be affected by the lock-up condition.

Investigation indicates that one of the ways this condition is induced is by removing power applied to the IAPS less than 30 seconds after it was applied. During the first approximate 30 seconds the MDC is processing critical initialization procedures in the file system. If power is removed less than 30 seconds after it applied, the MDC may not complete a critical process and leave a small portion of the file system potentially unstable which may affect the LRU SW Part Number Data function and the Report Download – All Reports function.

2.0 Work-Around

Users are strongly encouraged to apply power to the IAPS for longer than 30 seconds to avoid the condition described above.

If the MFD displays “No Data Available”, cycle the power to the IAPS. This will reset the MDC, but will not clear the lock-up condition described above. The remainder of the MDC functions will not be affected by the lock-up condition.

If the LRU SW Part Number function does not work due to the condition described above, use the alternate method for viewing the electronic part numbers from the individual LRU in the LRU INDEX. Select Display Software Part Number under the applicable LRU to view the field loadable part numbers for that specific LRU. Also avoid selecting the Report Download – LRU SW Part Number Data function or the Report Download – All Reports function.

Users may also send the MDC to a qualified Rockwell Collins, Inc. Service Center to have the condition cleared. Clearing the condition at the Service Center is a temporary measure until the software is updated.

A software update in the future will be made available to withstand a short power cycle interruption. The MDT will need to be re-loaded which may be done at the Service Center or in the field.

For further information, please contact the local Rockwell Collins, Inc. Customer Support Engineer or call (319) 295-5000.