

Maintenance Procedure

No. P304

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TASK DESCRIPTION CHECK AND RECORD THE TIME (EST), DATE AND FAULT DATA DISPLAYED BY THE LOCOMOTIVE CONTROL COMPUTER. RECORD DEFECTS ON WORK ORDER.
BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS GP60 Locomotive Computer and Trouble Shooting Guide, Electro-Motive Division, General Motors Corp., L.A Grange, Illinois, October 13, 1988. PP 3-39. EM2000 DC Trouble Shooting Guide by Electro Motive Training Centre, 1 st Edition, Oct. 1999. Locomotive Maintenance Training/Student Guide by Relay Interactive - ME06 – EM2000. EMDEC Operating and Troubleshooting Guide, Rev 4, April 2000, Chapter 7, Diagnostic Tools.
SPECIAL TOOLS REQUIRED:
RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.
SAFETY PRECAUTIONS: CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
PREPARATION:

PROCEDURE

1. Check and record computer's time (EST) and date.

- 1.1 From the displayed diagnostic system's Main Menu, select either Unit Information (MP40 loco) or Time & Temp (F59 loco) to view computer's time (EST) and date.

Note: *Time must be correct to Eastern Standard Time (EST) within ± 2 minutes.*

*A current time check can be obtained by phoning the
National Research Council Time at 1-613-745-1576.
Be aware the NRC time given during summer months will be
Eastern Daylight Time (EDT). Always subtract one hour from
Daylight time.*

2. Check and Record Computer's Fault Data

- 2.1 From the displayed diagnostic system's Main Menu, access the Fault Archive/Fault Data to view all faults which may have occurred on the locomotive during past operation and/or testing.

- 2.2 Record faults; including the frequency of the fault and the time that fault was active.

DATE OF FIRST ISSUE	May 1997	AUTHORIZED BY:
REVISION 1	September 27, 2010.	TITLE: Manager, Rail Equipment

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Note: *Logged faults will require investigation including downloading the EMDEC archive for faults related to the diesel engine control system. Refer to chapter seven of the EMDEC Operating and Troubleshooting Guide for how to access and download EMDEC archive.*

- 2.3 Acknowledge fault(s) only after all faults has been properly investigated and addressed. A fault that occurs several times will require an in depth analysis, since there is likely a curable cause to the problem, which should be found and fixed, before the fault is acknowledged.

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