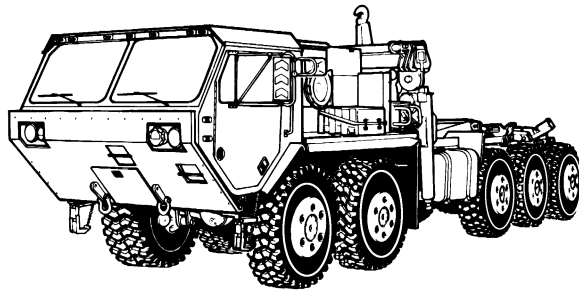


TECHNICAL MANUAL UNIT MAINTENANCE VOLUME II

PALLETIZED LOAD SYSTEM



MODEL M1074/M1075

NSN 2320-01-304-2277

NSN 2320-01-304-2278

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No. 9-2320-364-20

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C. 04 August 1999

Unit Maintenance Manual PALLETIZED LOAD SYSTEM

MODEL M1074/M1075
NSN 2320-01-304-2277
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Current as of 01 August 1999

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

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* This manual supersedes TM 9-2320-364-20-2, 31 March 1994.

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HOW TO USE THIS MANUAL

This manual is designed to help maintain the Model M1074/M1075 Palletized Load System (PLS) truck. Listed below are some special features included in this manual to help locate and use the needed information:

- A front cover table of contents is provided for quick reference to chapters and sections that will be used often.
- **WARNING, CAUTION, and NOTE** headings, subject headings, and other essential information are printed in bold type making them easier to see.
- The maintenance tasks describe what must be done to the truck before starting the task (Equipment Condition), and what must be done to return the vehicle to operating condition after the task is finished (Follow-On Maintenance).
- The Appendixes are located at the end of the manual. They contain a reference guide to other manuals, the Maintenance Allocation Chart (MAC), a list of expendable supplies and materials, and other material for maintaining the PLS truck.
- In addition to text, there are exploded-view illustrations showing how to take a component off and put it back on. Cleaning and inspection procedures are also included as required.
- Chapter 2 of this manual covers Unit level Preventive Maintenance Checks and Services (PMCS) and basic troubleshooting, as well as general maintenance.

Follow these guidelines when using this manual:

- Read all **WARNINGS** and **CAUTIONS** before performing any procedure.
- The equipment conditions found in the maintenance procedures are of a general nature and the mechanic may be able to perform only certain steps within a procedure to accomplish the equipment condition.

2-15. ATEC TROUBLESHOOTING.

NOTE

Ensure that wire connections 208/209 on battery A2 ground terminal, and wire connections 1866 on battery A2 positive terminal are tight and free of corrosion before starting to troubleshoot ATEC system. Refer to Paras 7-90 and 7-91 and tighten/clean any loose or corroded wire connections.

This paragraph covers ATEC System Troubleshooting. The ATEC System Fault Index, Table 2-26, lists faults for the ATEC system of the PLS truck. Refer to schematics Figure 2-18 through 2-22 when performing tests and corrective actions.

Table 2-26. ATEC System Fault Index

Fault No.	Description	Page
1.	CODE 12: Low Oil Level	2-818
2.	CODE 13: Low Battery Voltage	2-828
3.	CODE 14: Forward Pressure Switch Inoperative	2-834
4.	CODE 15: Reverse Pressure Switch Inoperative	2-842
5.	CODE 21: Throttle Sensor Inoperative	2-850
6.	CODE 22: Speed Sensor Inoperative	2-862
7.	CODE 23: Shift Selector	2-870
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9.	CODE 32: Transmission Direction Signal	2-886
10.	CODE 33: Oil Temperature Sensor Inoperative	2-896
11.	CODE 34: Prom Check	2-904
12.	CODES 41 Through 45 And 51 Through 53: Solenoids J, F, D, C, B, A, G, E Or H Inoperative	2-908
13.	CODE 46: Solenoid A Inoperative	2-914
14.	CODE 54: A, B, C, D, F And J Solenoid Off Test	2-920
15.	CODE 69: Electronic Control Unit (ECU) Failure	2-930

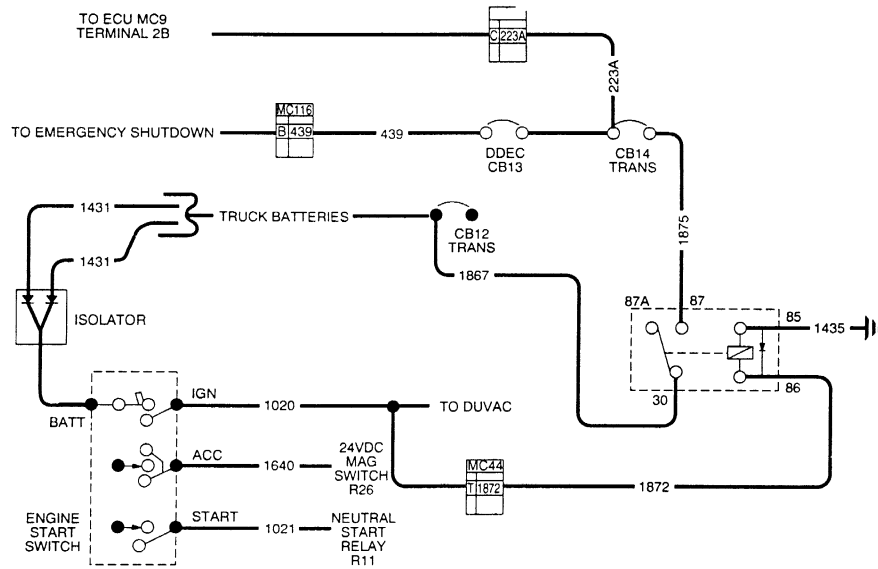


Figure 2-18. TRANS/DDEC Relay R19 Schematic

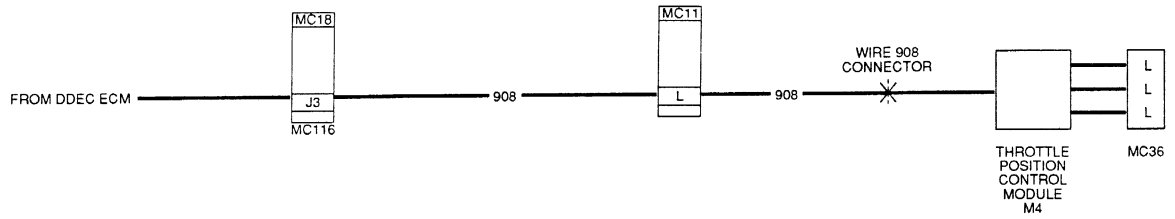


Figure 2-19. Wire 908 Continuity Test Schematic

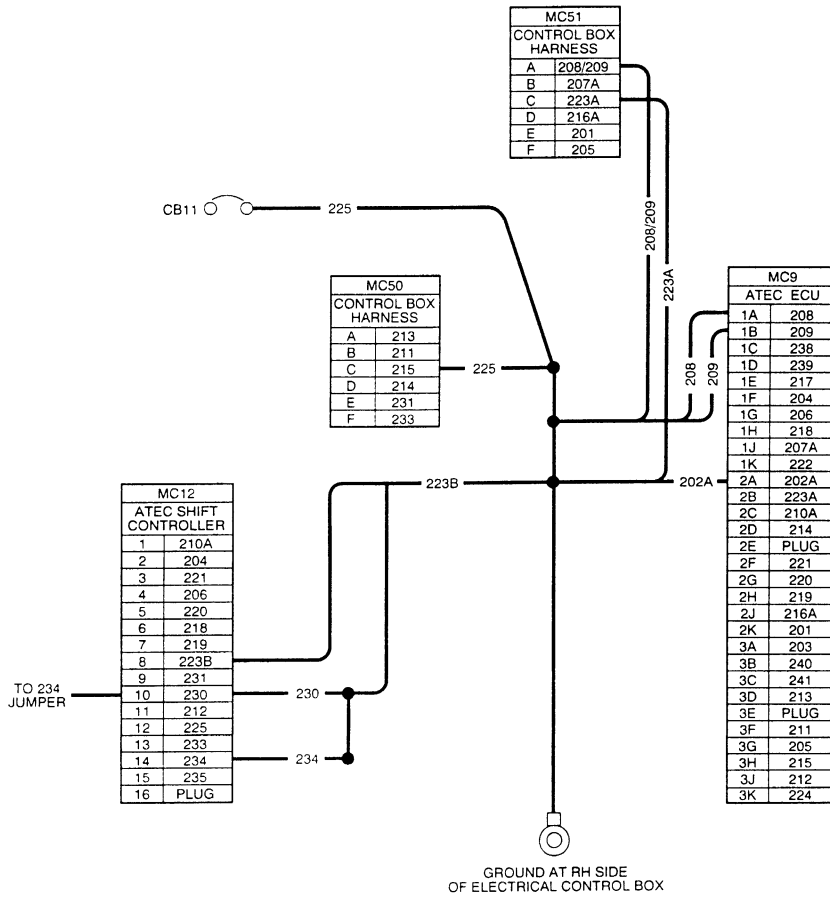


Figure 2-20. ECB/ATEC Wire Harness Schematic

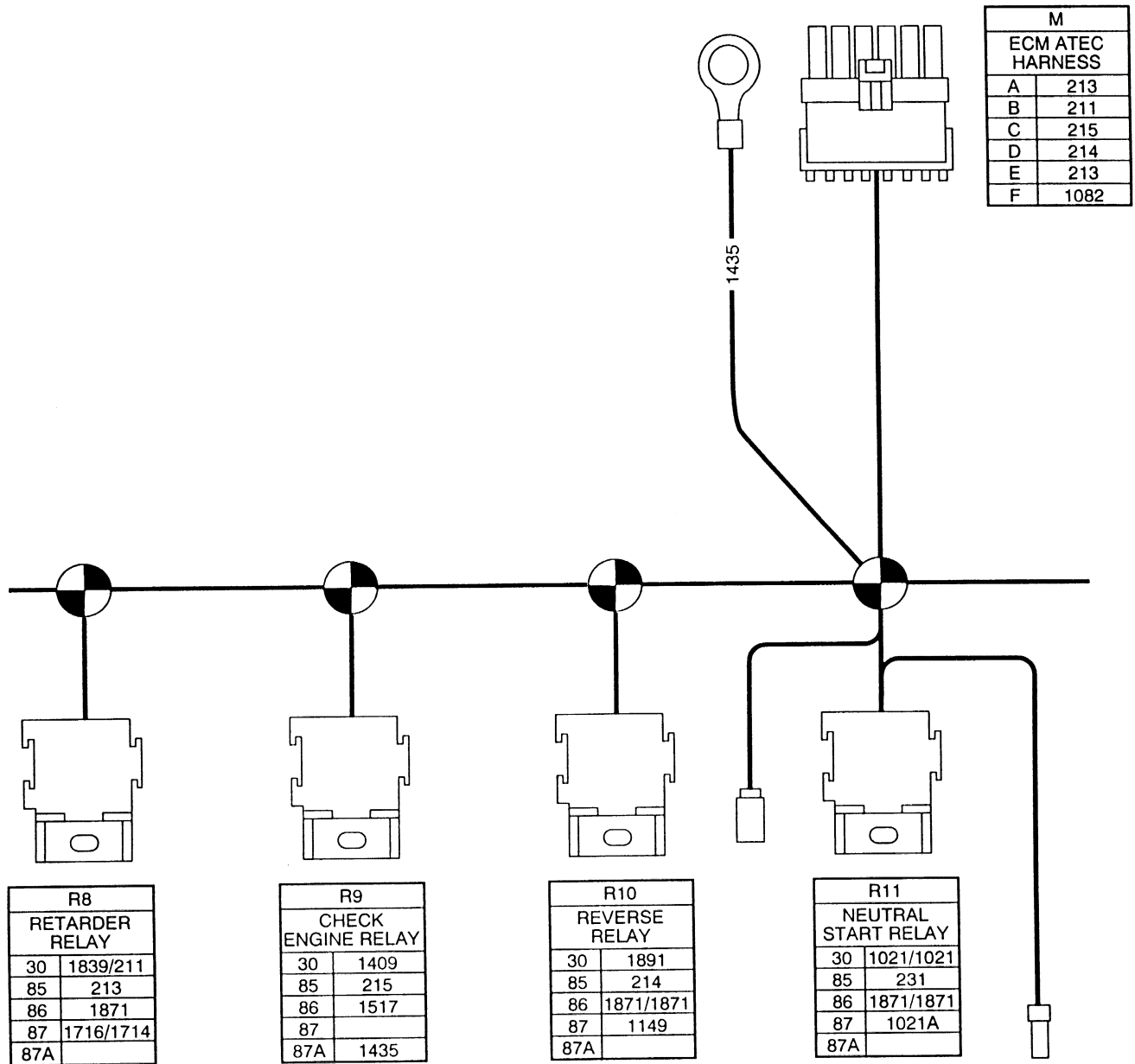


Figure 2-21. Electrical Control Box Wire Harness To ATEC Schematic