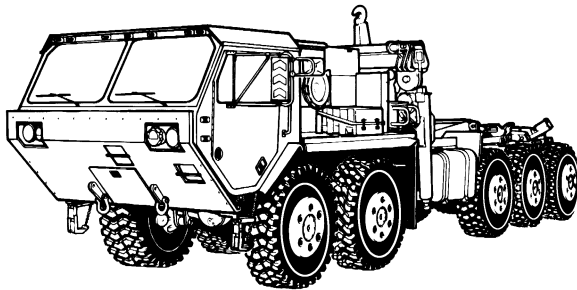


## TECHNICAL MANUAL UNIT MAINTENANCE VOLUME III

### PALLETIZED LOAD SYSTEM



**MODEL M1074/M1075**

**NSN 2320-01-304-2277**

**NSN 2320-01-304-2278**

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TECHNICAL MANUAL

No. 9-2320-364-20

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, D.C. 01 August 1999

# Unit Maintenance Manual PALLETIZED LOAD SYSTEM

MODEL M1074/M1075  
NSN 2320-01-304-2277  
NSN 2320-01-304-2278

Current as of 01 August 1999

## REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

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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.

**2-26. CENTRAL TIRE INFLATION SYSTEM (CTIS) TROUBLESHOOTING.**

This paragraph covers Central Tire Inflation System (CTIS) Troubleshooting. The CTIS Fault Index, Table 2-45, lists faults for the CTIS of the PLS truck. Refer to electrical and CTIS air schematics Figures 2-48 and 2-49 when performing tests and corrective actions.

**Table 2-45. Central Tire Inflation System (CTIS) Fault Index**

Fault No.	Description	Page
1.	One Tire Will Not Inflate Or Deflate .....	2-1916
2.	CTIS Inoperative .....	2-1924
3.	All Tires On Axles No. 3 Through No. 5 Will Not Deflate .....	2-1938
4.	All Tires On Axles No. 1 And No. 2 Will Not Deflate .....	2-1952
5.	Excess Inflation Time Axles No. 1 And No. 2, CTIS Green Indicator Flashes Too Long Or Continually .....	2-1964
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7.	Axles No. 1 And No. 2 Tire Pressures Do Not Agree With CTIS Settings .....	2-2012
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9.	CTIS Does Not Automatically Inflate To The Next Higher Setting .....	2-2040
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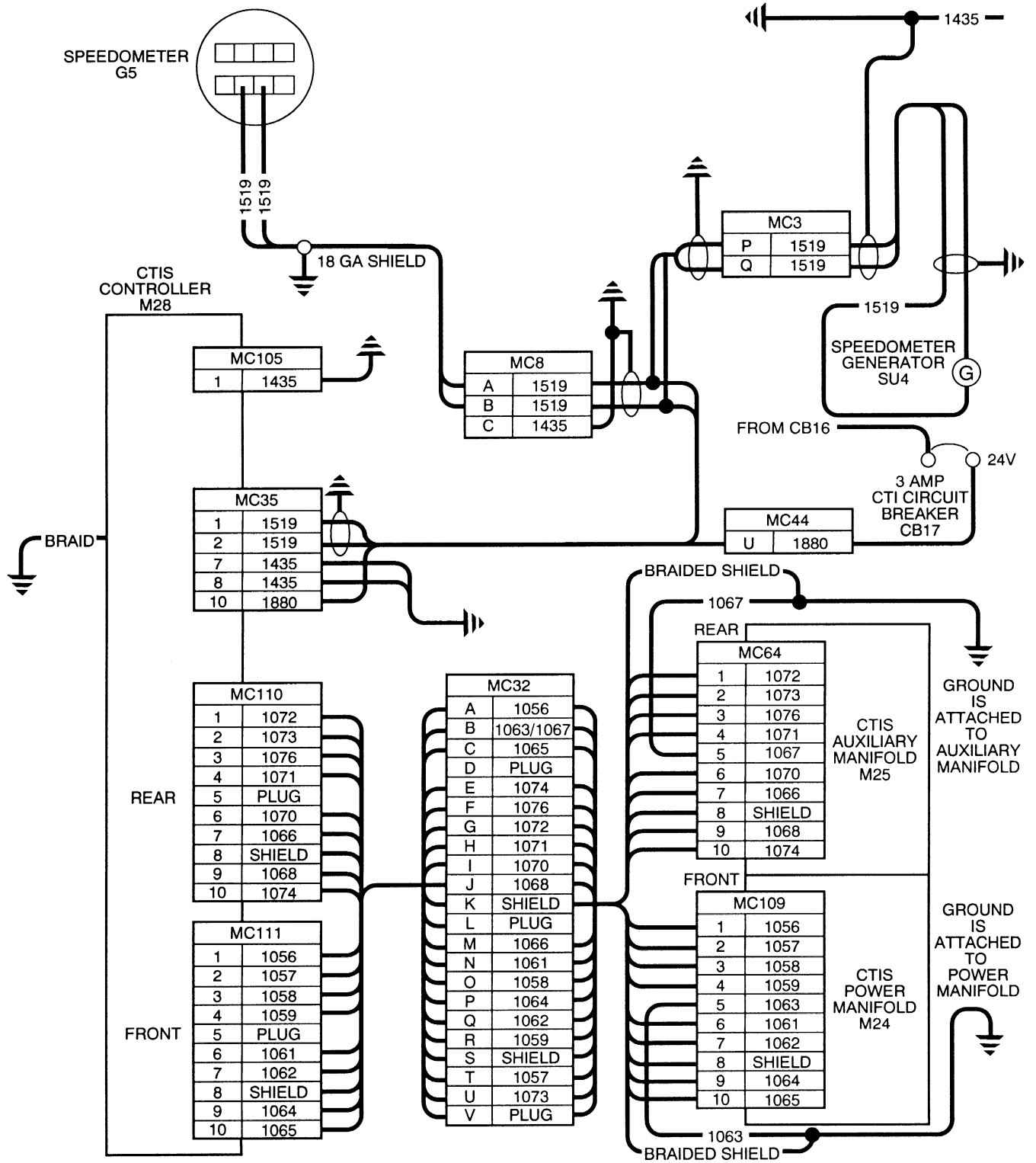


Figure 2-48. CTIS Wiring Schematic (Sheet 1 of 2)

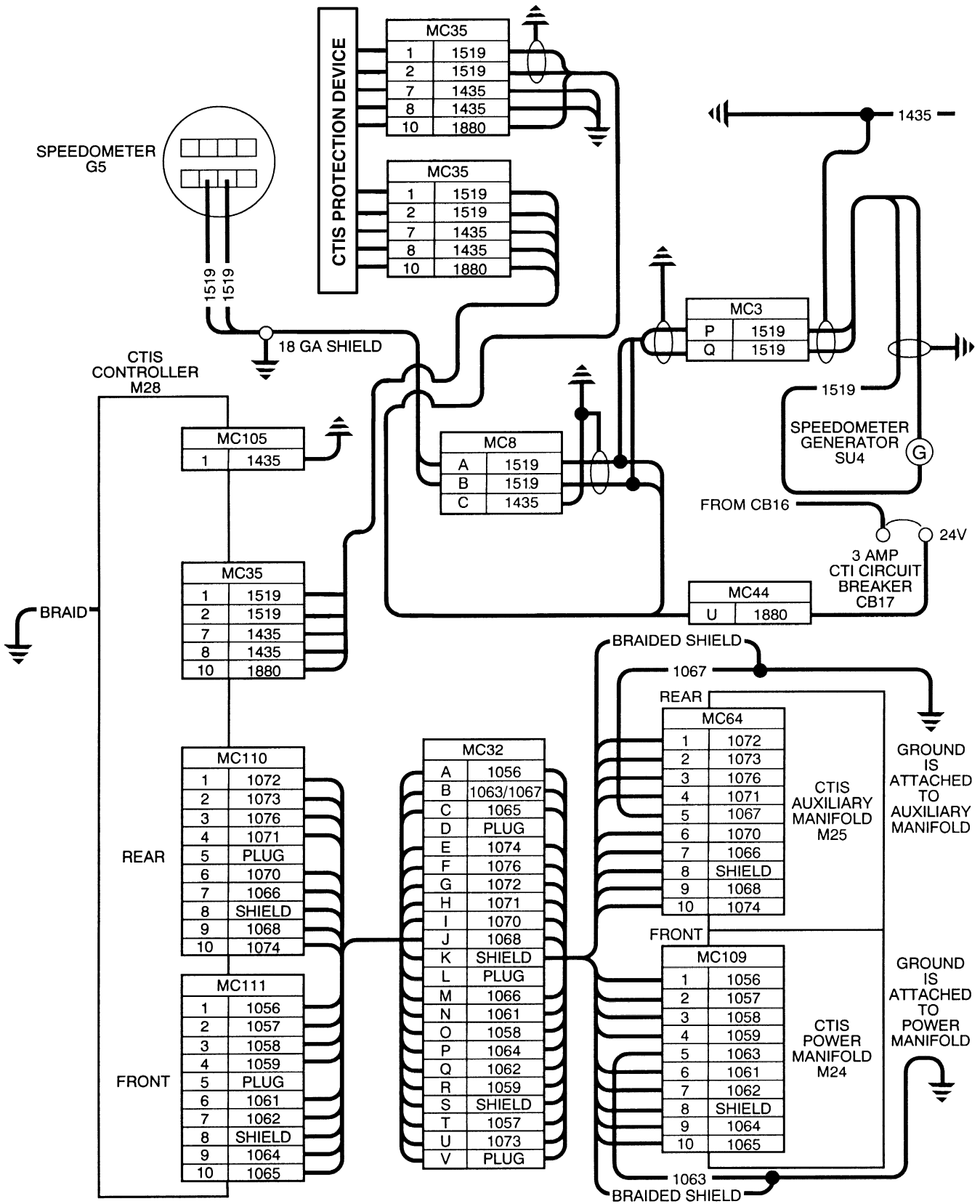


Figure 2-48. CTIS Wiring Schematic (With CTIS Protection Device) (Sheet 2 of 2)

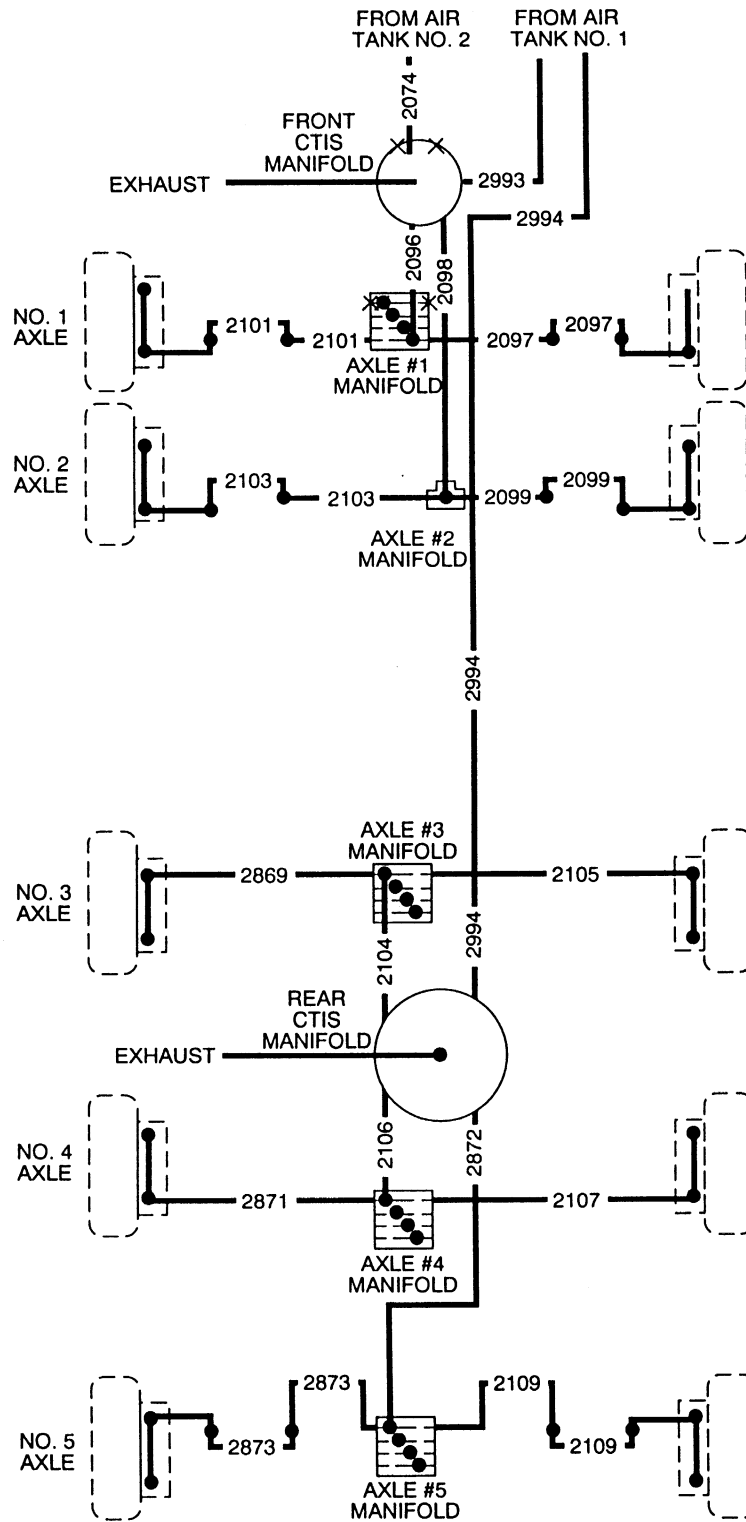


Figure 2-49. CTIS Air Diagram