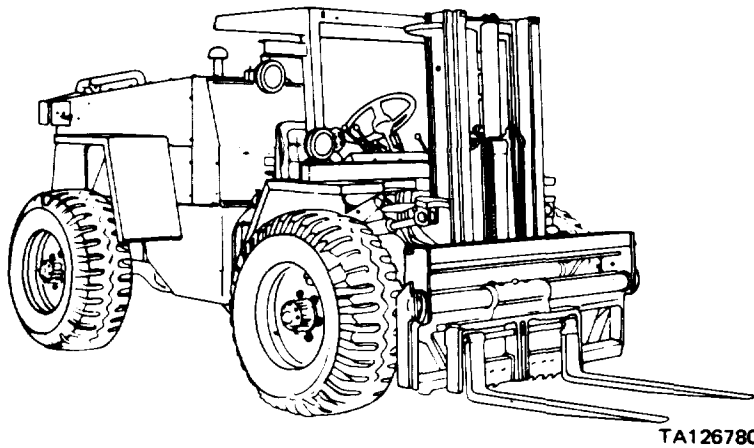


TECHNICAL MANUAL  
ORGANIZATIONAL, DIRECT  
SUPPORT AND GENERAL SUPPORT MAIN-  
TENANCE MANUAL (INCLUDING REPAIR  
PARTS AND SPECIAL TOOLS LIST)



TRUCK, FORKLIFT, DED,  
PNEUMATIC TIRE, ARTICULATED  
FRAME STEER, 4,000 LB. CAPACITY  
ROUGH TERRAIN, ARMY MODEL MHE 237  
(J. 1. CASE MODEL M4K)  
(NSN 3930-01-076-4237)

This copy is a reprint which includes current  
pages from Changes 1 through 5.

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ORGANIZATIONAL, DIRECT SUPPORT  
AND GENERAL SUPPORT MAINTENANCE MANUAL

TRUCK, FORKLIFT, DED, PNEUMATIC TIRE, ARTICULATED FRAME STEER,  
4,000-LB. CAPACITY, ROUGH TERRAIN,  
ARMY MODEL MHE 237  
(NSN 3930-01-076-4237)

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publication and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Tank-Automotive Command. ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

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HOW TO USE THIS MANUAL

This manual is designed to help you maintain the M HE 237 forklift truck. It's divided into chapters, sections and appendices. The chapters contain organizational, direct support, and general support maintenance procedures. The chapters are divided into sections containing maintenance procedures for the various systems which comprise the forklift truck.

The appendices contain supplemental information which you require to maintain the M HE 237 forklift truck. Included in the appendices is the repair parts and special tools list (Appendix C) which contains exploded view illustrations keyed to a parts listing.

To use the repair parts and special tools list:

1. Refer to the repair parts and special tools list table of contents located in appendix C to determine the functional group within which the repair part you are trying to locate belongs, This is necessary since illustrations are prepared for functional groups and part listings are divided into the same groups.
2. Find the illustration covering the functional group to which the repair part belongs.
3. Identify the repair part on the illustration and note the figure and item number of the repair part.
4. Using the repair parts listing, find the figure and item number noted on the illustration to determine the SMR code, National Stock Number, Part Number and FSCM.

The maintenance procedures contained in this manual tell you several things:

- . . . . . what tools you need to do the job
- . . . . . materials or parts required
- . . . . . what condition the vehicle is to be in before work is started

In addition to the text, you'll have either an assembled view or an exploded view illustration of the associated parts. Sometimes, the illustration will be keyed by an arrow to an overall view of the vehicle to help you determine the approximate location of the parts. The illustration is keyed to the text by numbers and shows you how to take the part off and put it on. The following problem will show some of the features of this manual.

**PROBLEM**

An operator brings his M HE 237 forklift truck into the shop with an engine problem: The engine stalls frequently or doesn't develop full power. The best way to solve his problem is by using your manual. This is what you do:

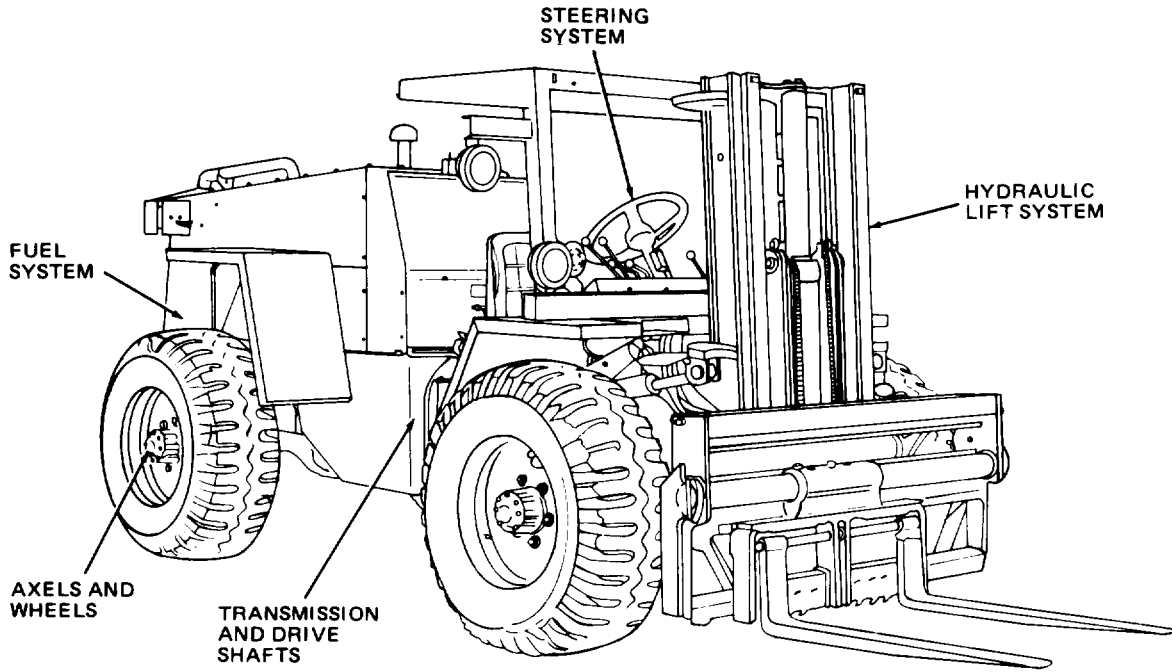
1. How do you start?  
 Look at the cover of the manual.  
 On the cover you'll find a listing for TROUBLESHOOTING INDEX. It tells you to go to page 2-7. To find page 2-7 fast, open the manual by using the black tab that lines up with the listing on the cover.
2. What kind of problem do you have?  
 Find it in the symptom index.  
 The symptom index is a list of problems covered by the section. It tells you that your problem, "engine stalls frequently or doesn't develop full power" is covered in paragraph 2-9, MALFUNCTION entry number 5.
3. How do you determine what is pausing the problem?  
 Go to paragraph 2-9, MALFUNCTION entry number 5.  
 There you'll find the troubleshooting procedures you'll need. The procedure has columns with the headings: MALFUNCTION, TEST OR INSPECTION, and CORRECTIVE ACTION. Starting at step 1, read the procedure. Each step tells you what to do and what to look for. Follow the steps, in order, until you find your problem. When you find the problem, the CORRECTIVE ACTION column will tell you how to fix it.

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HOW TO USE THIS MANUAL (cont)

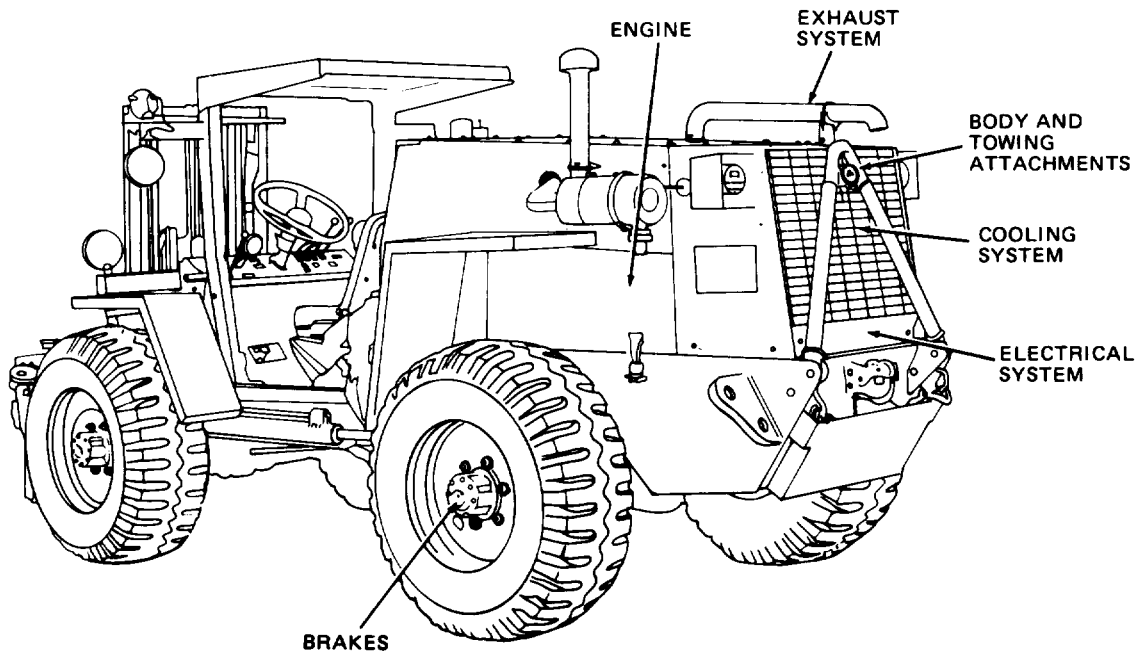
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4. Let's assume you've found that the electric fuel pump is bad. The replacement procedure is in paragraph 2-15b. The procedure contains all the information you'll need to replace the electric fuel pump. First check the introductory material. It tells you what you'll need before you start the job. Below the introductory material is an assembled view of the vehicle showing the approximate location of the electric fuel pump and an exploded-view illustration which shows you how to take it out and put it back in. The text which follows the illustration tells you how to do the job.
5. If on the other hand, you know what the problem is and its cause, refer to the alphabetical index located at the rear of this manual and find the name of the part to be replaced and the paragraph number in which maintenance procedures will be found. For example, the engine is overheating, on filling the radiator with water you see that water is pouring out of the hoses indicating that the hose requires replacement. Referring to the alphabetical index under the listing hoses, cooling system, paragraph 2-17b is referenced, Turn to this paragraph for hose removal and installation procedures.



RIGHT FRONT VIEW

TA127506



LEFT REAR VIEW

TA127507

*MHE 237 forklift truck*

# CHAPTER 1 INTRODUCTION

**CHAPTER OVERVIEW**

The purpose of this chapter is to give your standard data required in all manuals, to familiarize you with the purpose and capabilities of the forklift truck and to give you a brief description of the different systems and components of the forklift truck.

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### 1-1. SCOPE

*a. Type of Manual.* Organizational, Direct Support, and General Support Maintenance Manual, including Repair Parts and Special Tools list.

*b. Model Number and Equipment Name.* MHE 237 Rough Terrain 4,000 Pound Capacity, Articulated Frame Steer, Pneumatic Tire, Diesel Engine Driven Forklift Truck.

*c. Purpose of Equipment.* Handle, transport, and stack materials on various types of terrain. The forklift truck has a capacity of 4,000 pounds at 24-inch load center and can lift the load to a maximum height of 100-inches.

### 1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, The Army Maintenance Management System.

### 1-3. DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE

Refer to TM 750-244-6.

### 1-4. ADMINISTRATIVE STORAGE

Refer to TM 74&93-1.

### 1-5. REPORTING OF ERRORS

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### 1-6. WARRANTY INFORMATION

Refer to TB 102300-295-15-18 for warranty information.

### 1-7. ORIENTATION

The lifting forks are mounted on the front of the vehicle and the engine faces the rear. Controls for operating the lifting forks (tilting, rotating, lowering, side shifting of the lifting forks) are located to the right when you're sitting in the operator's seat.

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**1-8. COMMON TOOLS AND EQUIPMENT**

For authorized common tools and equipment refer to the Modified Table of Organization and Equipment (MTOE) applicable to your unit.

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**1-9. REPAIR PARTS**

Repair parts are listed/illustrated in TM 10-3930-638-24P.

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**1-10. LIST OF ABBREVIATIONS**

Refer to the Glossary, Appendix G, for a list of abbreviations used in this publication.