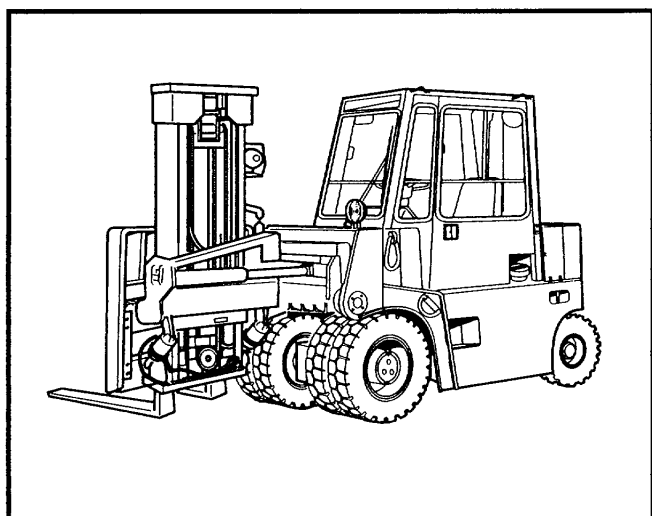


**TECHNICAL MANUAL****DIRECT SUPPORT AND  
GENERAL SUPPORT  
MAINTENANCE MANUAL**

**TRUCK, LIFT, FORK,  
CLEAN BURN DIESEL ,  
FRONT/SIDE LOADING**

**6,000 LB CAPACITY  
MODEL R60SL-DC**

**NSN 3930-01-378-7497**

**Approved for public release;  
distribution is unlimited.**

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## TECHNICAL MANUAL

No. 10-3930-669-34

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, D.C. 21 JANUARY 1997

## DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE

TRUCK, LIFT, FORK, CLEAN BURN DIESEL,  
FRONT/SIDE LOADING,  
6,000 LB CAPACITY  
MODEL R60SL-DC  
NSN 3930-01-378-7497

Approved for public release; distribution is unlimited.

## REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located at the back of this manual direct to: Commander, US Army Tank-automotive and Armament Command, ATTN: AMSTA-IM-OPIT, Warren, MI 48397-5000. A reply will be furnished to you. You may also provide DA Form 2028-2 information to TACOM via datafax or e-mail. TACOM's datafax number for AMSTA-IM-OPIT is (810) 574-6323 and the e-mail address is: amsta-im-opit @cc.tacom-tech-pubs @ cc.tacom.army.mil.

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## HOW TO USE THIS MANUAL

This manual is designed to help maintain the Truck, Lift, Fork NSN 3930-01-378-7497. 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 forklift 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, a list of expendable supplies and materials, and other material for maintaining the forklift.
- 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 Direct Support and General Support level Preventive Maintenance Checks and Services (PMCS) and basic troubleshooting, as well as general maintenance.

Follow these guidelines when using this manual:

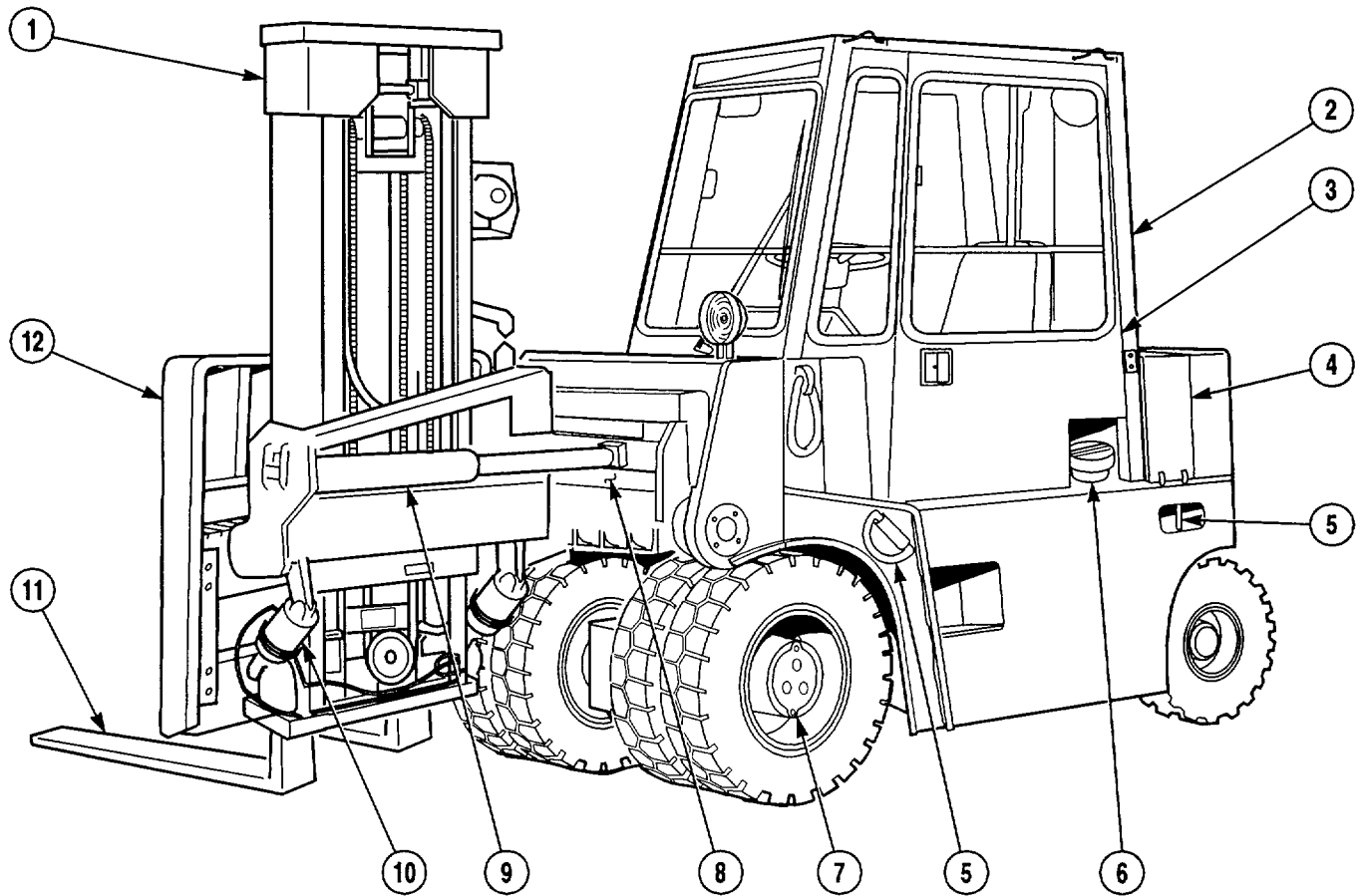
- Read all WARNINGS and CAUTIONS before performing any procedure.
- The equipment conditions found in the maintenance procedures are of a general nature and the mechanic may be able to perform only certain steps within a procedure to accomplish the equipment condition.

## CHAPTER 1

### INTRODUCTION

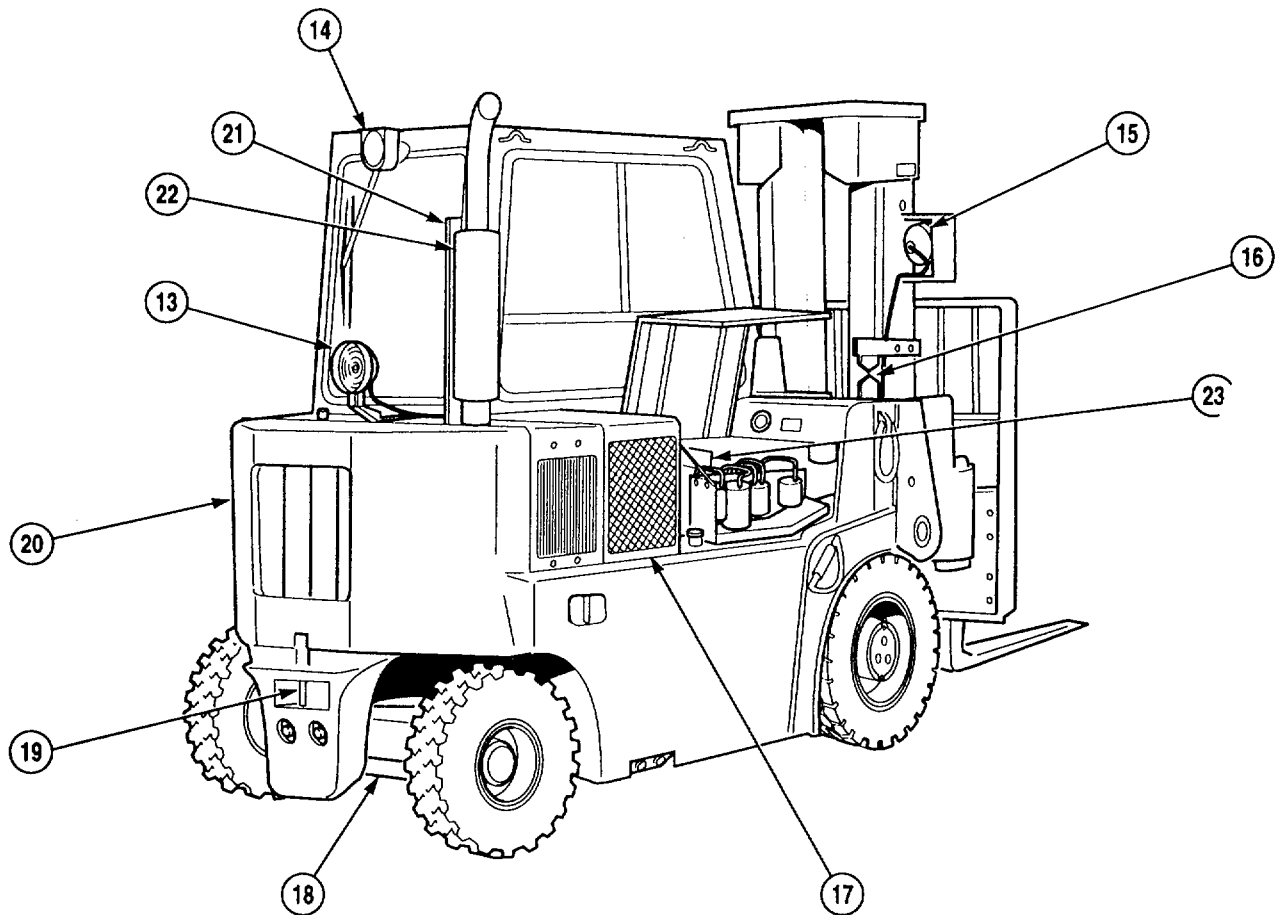
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Section I. GENERAL INFORMATION



- |                             |                       |
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| 1. Mast Assembly            | 7. Drive Axle         |
| 2. Cab                      | 8. Shift Cylinder     |
| 3. Cab Door                 | 9. Pivot Cylinder     |
| 4. Rear Engine Access Cover | 10. Tilt Cylinders    |
| 5. Tie Down Points          | 11. Forks             |
| 6. Fuel Tank                | 12. Carriage Assembly |

Figure 1-1. Truck, Lift, Fork (Sheet 1 of 2)



- |                          |                     |
|--------------------------|---------------------|
| 13. Rear Flood Light     | 19. Tow Pin         |
| 14. Taillight            | 20. Counterweight   |
| 15. Front Flood Light    | 20. Counterweight   |
| 16. Mast Level Indicator | 21. Load Rest       |
| 17. Engine Panel         | 22. Exhaust Muffler |
| 18. Steer Axle           | 23. Battery Box     |

Figure 1-1. Truck, Lift, Fork (Sheet 2 of 2)

## 1-1. SCOPE.

**a. Type of Manual.** This manual is used for direct support and general support maintenance of the Truck, Lift, Fork.

**b. Model Number and Equipment Name.** Truck, Lift, Fork, NSN 3930-01-378-7497, produced by Drexel Industries, Inc. of Pennsylvania, Model R60SL-DC. (See Figures 1-1 and 1-2.)

**c. Purpose of Equipment.** The Truck, Lift, Fork, hereinafter referred to as the forklift, is designed to operate as a conventional, counterbalanced, front-loading forklift with the additional capability of operating as a side-loading forklift.

## 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 (TAMMS) (Maintenance Management UPDATE).

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

Command decision, according to the tactical situation, will determine when the destruction of the forklift will be accomplished. A destruction plan will be prepared by the using organization unless one has been prepared by a higher authority. For general destruction procedures for this equipment, refer to TM 750-244-6, Procedures for Destruction of Tank-Automotive Equipment to Prevent Enemy Use (U.S. Army Tank-Automotive Command).

## 1-4. PREPARATION FOR STORAGE OR SHIPMENT.

Refer to Chapter 2, Section VI, of this manual for Preparation for Storage or Shipment.

## 1-5. OFFICIAL NOMENCLATURE, NAMES, AND DESIGNATIONS.

### *REFERENCE INFORMATION*

This listing includes the nomenclature cross-reference list and list of abbreviations used in this manual.

#### NOMENCLATURE CROSS-REFERENCE LIST

##### Common List

Forklift

##### Official Nomenclature

Truck, Lift, Fork, Clean Burn Diesel,  
Front/Side Loading, 6,000 LB. Capacity,  
Model R60SL-DC  
NSN 3930-01-378-7497

## 1-6. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

If your 6,000 lb forklift needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about our equipment. Let us know why you don't like the design or performance. Put it on an SF368 (Product Quality Deficiency Report). Mail it to us at: Commander, U S Army Tank-automotive and Armaments Command, ATTN: AMSTA-TR-E/MPA, Warren, Michigan 483975000. A reply will be furnished to you.

**1-7. WARRANTY INFORMATION.**

The warranty starts on the date found in block 23, DA Form 2408-9 in the logbook. Report all defects in material and workmanship to your supervisor, who will take the appropriate action. Warranty information is listed in TM 10-3930-669-20.

**1-8. CORROSION PREVENTION AND CONTROL.**

Corrosion Prevention and Control (CPC) of Army materials is a continuing concern. It is important that any corrosion problems with the forklift be reported so that the problem can be corrected and improvements can be made to prevent the problem in the future.

While corrosion is typically associated with rusting of metals, corrosion can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem.

If a corrosion problem is identified, it can be reported using Standard Form 368, Product Quality Deficiency Report. Use of key words such as "corrosion, rust, deterioration, and cracking" will ensure that the information is identified as a CPC problem.

The form should be submitted to the address specified in DA PAM 738-750.

**1-9. NUCLEAR HARDNESS.**

Is not required for this end item.

**Section II. EQUIPMENT DESCRIPTION AND DATA****1-10. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES.**

Refer to TM 10-3930-669-10 for Equipment Characteristics, Capabilities, and Features.

**1-11. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.**

Refer to TM 10-3930-669-10 for Location and Description of Major Components.

**1-12. EQUIPMENT DATA.**

Refer to TM 10-3930-669-10 for Equipment Data.