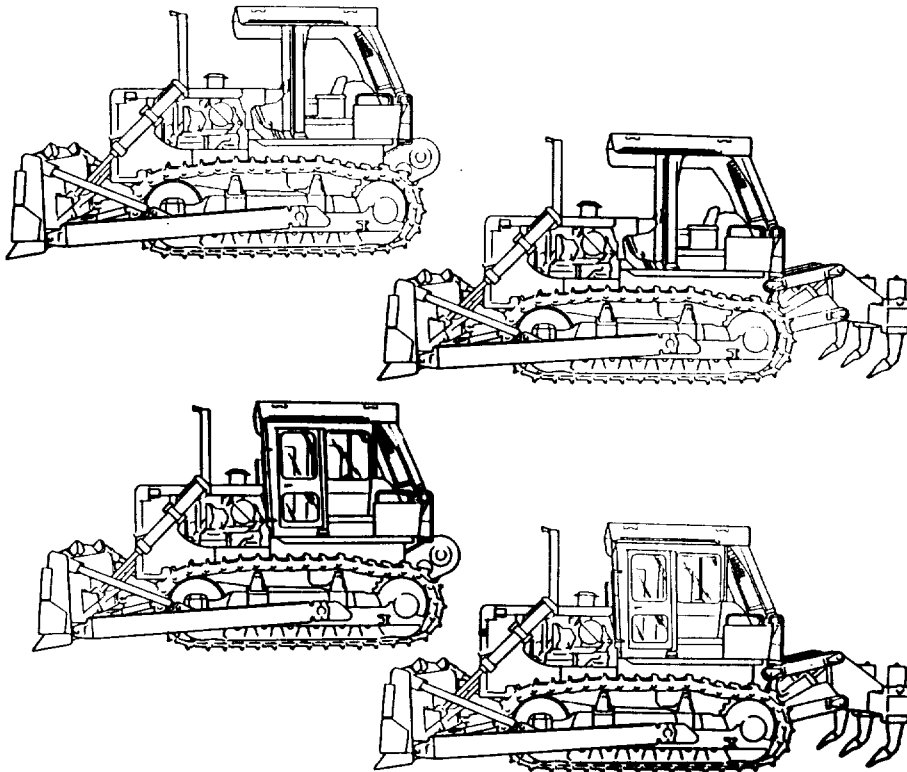


TECHNICAL MANUAL

OPERATOR'S MANUAL
FOR

TRACTOR, FULL TRACKED, LOW SPEED: DED,
MEDIUM DRAWBAR PULL, SSN M061



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NSN 2410-01-223-0350

TRACTOR WITH WINCH,

NSN 2410-01-223-7261

TRACTOR WITH RIPPER AND WINTERIZED CAB,

NSN 2410-01-253-2118

TRACTOR WITH WINCH AND WINTERIZED CAB,

NSN 2410-01-253-2117

*This publication supersedes TM 5-2410-237-10- dated 20 Jan. 1989.

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

26 JANUARY 1993

TECHNICAL MANUAL

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C. 26 January 1993

Operator's Manual
FULL TRACKED, LOW SPEED:
DIESEL ENGINE DRIVEN, MEDIUM-DRAWBAR-PULL, T-9

REPORTING 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 2028-2 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct 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 (TM5-2410-237-10) is divided into 3 chapters and 4 appendixes with a subject index located after the last appendix. Chapters are divided into sections and sections are further divided into paragraphs.

Look in Chapter 1 for standard data found in all TM's. Chapter 1 will also help you to become familiar with the tractor through physical and functional descriptions of the equipment.

Look in Chapter 2 for information regarding the safe operation of the tractor under a variety of conditions. Also find details on the operator's controls and indicators, as well as your PMCS responsibilities.

Chapter 3 begins with a troubleshooting table which will help you isolate and deal with problems which may occur. Operator's maintenance tasks are also contained in this chapter. At the beginning of each maintenance task is a block of information called "Initial Setup." Read this block of information before you begin the task; it contains important information about the task to be done.

The table of contents will direct you to chapters and sections. But if you need to find a specific subject, go to the alphabetical subject index for its location in the manual.

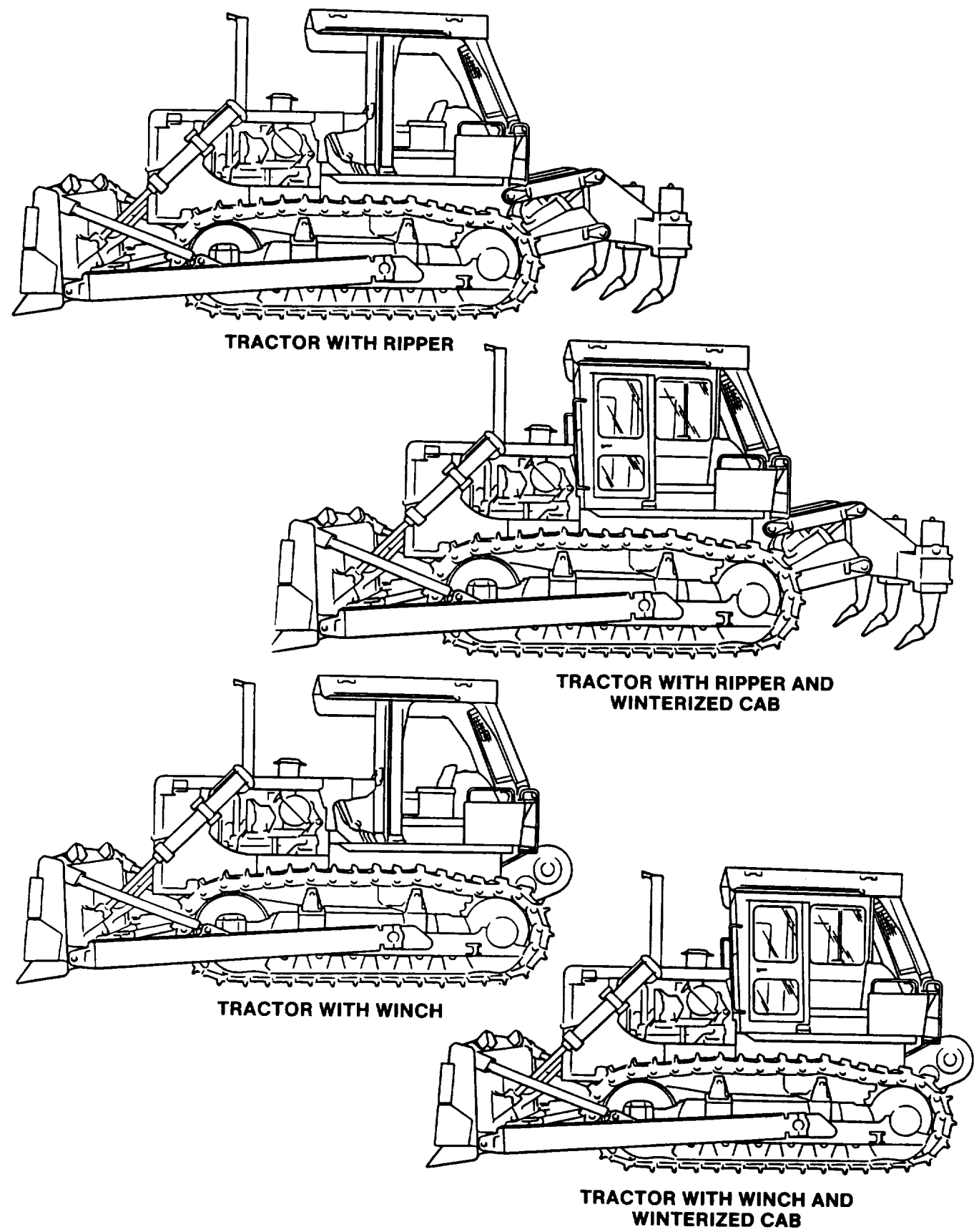


Figure 1-0. T-9 Tractor – Features and Components

CHAPTER 1

INTRODUCTION

Section I. General Information

1-1. SCOPE.

- a. Type of Manual. This manual contains operation and maintenance instructions for the operator/crew of the T-9 Tractor.
- b. Model Numbers and Equipment Names. T-9 Tractor, Full Tracked, Low Speed: Diesel Engine-Driven, Medium-Drawbar Pull, equipped with rollover protective structure (ROPS) and Semi-U (straight) tilt type blade. Available in four versions:
 - Tractor with rear-mounted ripper
 - Tractor with rear-mounted winch
 - Tractor with rear-mounted ripper and winterized cab
 - Tractor with rear-mounted winch and winterized cab
- c. Purpose of Equipment. This tractor is designed for dozing soil and rocks, and for clearing land of small trees and brush.

Tractors equipped with ripper are designed for dozing and also for ripping soil, rocks, asphalt, and concrete.

Tractors equipped with winch are designed for dozing and also for all types of winching operations.

- d. Special Limitation on Equipment. The tractor have no special limitations. Normal limitations such as speed, drawbar pull, etc. are outlined in paragraph 1-7.

1-2. MAINTENANCE FORMS AND RECORDS.

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).

1-3. EQUIPMENT IMPROVEMENT REPORT AND MAINTENANCE DIGEST (EIR MD).

The quarterly Equipment Improvement Report and Maintenance Digest, TB43-0001-39 series, contains valuable information on the equipment covered in this manual. The information in the TB43-0001-39 series is compiled from some of the Equipment Improvement Reports that you prepared on the vehicles covered in this manual. Many of these articles result from comments, suggestions, and improvement recommendations that you submitted to the EIR program. The TB43-0001-39 series contains information on equipment improvements, minor alterations, proposed Modification Work Orders (MWO's), warranties (if applicable), actions taken on some of your DA Forms 2028-2 (Recommended Changes to Publications), and advance information on proposed changes that may affect this manual. The information will help you in doing your job better and will help in keeping you advised of the latest changes to this manual. Also refer to DA PAM 25-30, Consolidated Index of Army Publications and Blank Forms, and Appendix A, References, of this manual.

1-4. HAND RECEIPT (-HR) MANUALS.

This manual has a companion document with a TM number followed by “-HR” (which stands for Hand Receipt). The TM5-2410-237-10-HR consists of preprinted hand receipts (DA Form 2026) that list end item related equipment (i.e., COEI, BII, and ML) you must account for. As an aid to property accountability, additional -HR manuals maybe requisitioned from the following source in accordance with procedures in AR 25-30:

The US Army Adjutant General Publications Center
ATTN: AGLD-OD
1655 Woodson Road
St. Louis, MO 63114

1-5. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR’S).

If your T-9 tractor 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 your equipment. Let us know why you don’t like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to: Commander, US Army Tank-Automotive Command, ATTN: AMSTA-QRD, Warren, MI 48397-5000. We’ll send you a reply.

1-6. WARRANTY INFORMATION.

Refer to warranty TB, TB5-2410-237-15.

Section II. Equipment Description

1-7. EQUIPMENT PURPOSE, CAPABILITIES AND FEATURES.

- a. Purpose. The T-9 is designed for earth moving and construction operations.
- b. Capabilities and Features.
 - (1) Can dig and backfill in undisturbed or compacted soil.
 - (2) Tractors with ripper can penetrate and rip compacted soil imbedded with boulders up to a depth of 29 inches.
 - (3) Tractors with winch can winch loads of 50,000 lbs at a line speed of 80 ft per minute.
 - (4) Tractors with winch deliver 35,000 lbs drawbar pull at a speed of 1.4 mph.
 - (5) Operates over rough terrain.
 - (6) All weather operational.
 - (7) Can ford water at depths up to 30 inches.
 - (8) Travel speeds are given in paragraph 1-10 on page 1-6.