TM 5-3805-264-14&P

OPERATOR'S, UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL

WITH

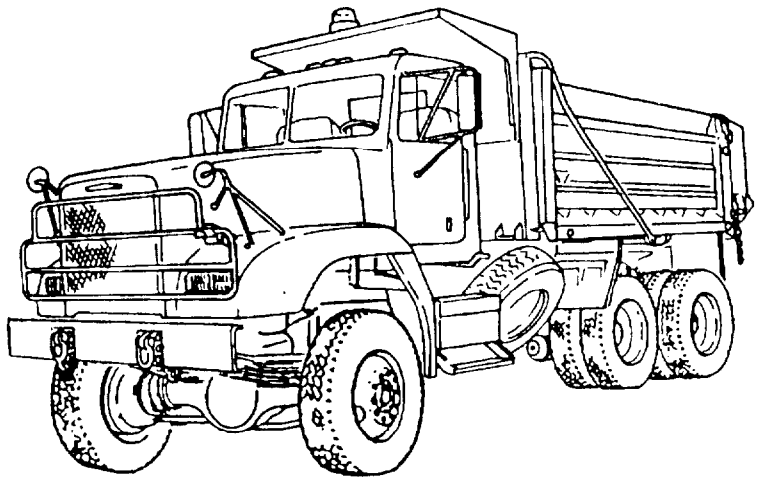
REPAIR PARTS AND SPECIAL TOOLS LISTS

FOR

TRUCK, DUMP, HEAVY, BODY
M917A1
(NSN 3805-01-431-1165)

AND

M917A1 W/MCS (MATERIAL CONTROL SYSTEM)
(NSN 3805-01-432-8249)



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HEADQUARTERS, DEPARTMENT OF THE ARMY
DECEMBER 1997

TECHNICAL MANUAL
TM 5-3805-264-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., *30 December 1997*

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Current as of 30 September 1997

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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 (Recommended Changes to Publications and Bank Forms) or DA Form 2028-2, located in the back of this manual, direct to: Commander, U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-AC-NML, Rock Island, Illinois 61299-7630. 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-AC-NML is: DSN 793-0726 or Commercial (309) 782-0726
- TACOM's e-mail address is: amsta-ac-nml@ria-emh2.army.mil

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HOW TO USE THIS MANUAL

This manual is designed to help you operate and maintain the M917A1 and M917A1 w/MCS Dump Truck Body.

FEATURES OF THIS MANUAL:

- A table of contents is provided at the beginning of this manual. An index of all paragraphs contained within a section is found at the beginning of each section.
- WARNINGS, CAUTIONS, NOTES, subject headings, and other important information are highlighted in **BOLD** print as a visual aid.

WARNING

A WARNING indicates a hazard which can result in death or serious injury.

CAUTION

A CAUTION is a reminder of safety practices or directs attention to usage practices that may result in damage to equipment.

NOTE

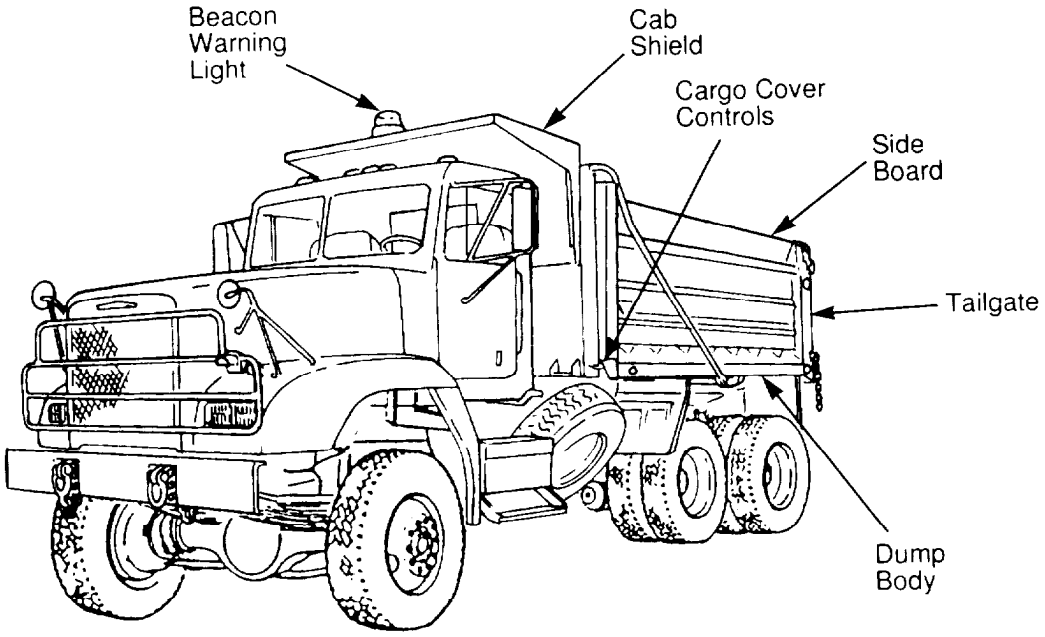
A NOTE is a statement containing information that will make the procedure easier to perform.

- Statements and words of particular importance are printed in CAPITAL LETTERS to create emphasis.
- Instructions are located with illustrations that show the specific task on which the operator or mechanic is working.
- Dashed leader lines used in illustrations indicate that called out items are not visible (i.e., they are located within the structure). Dashed leader lines in the Lubrication Chart indicate that lubrication is required on BOTH sides of the equipment.
- Technical instructions include metric units in addition to standard units. A metric conversion chart is provided on the inside back cover.

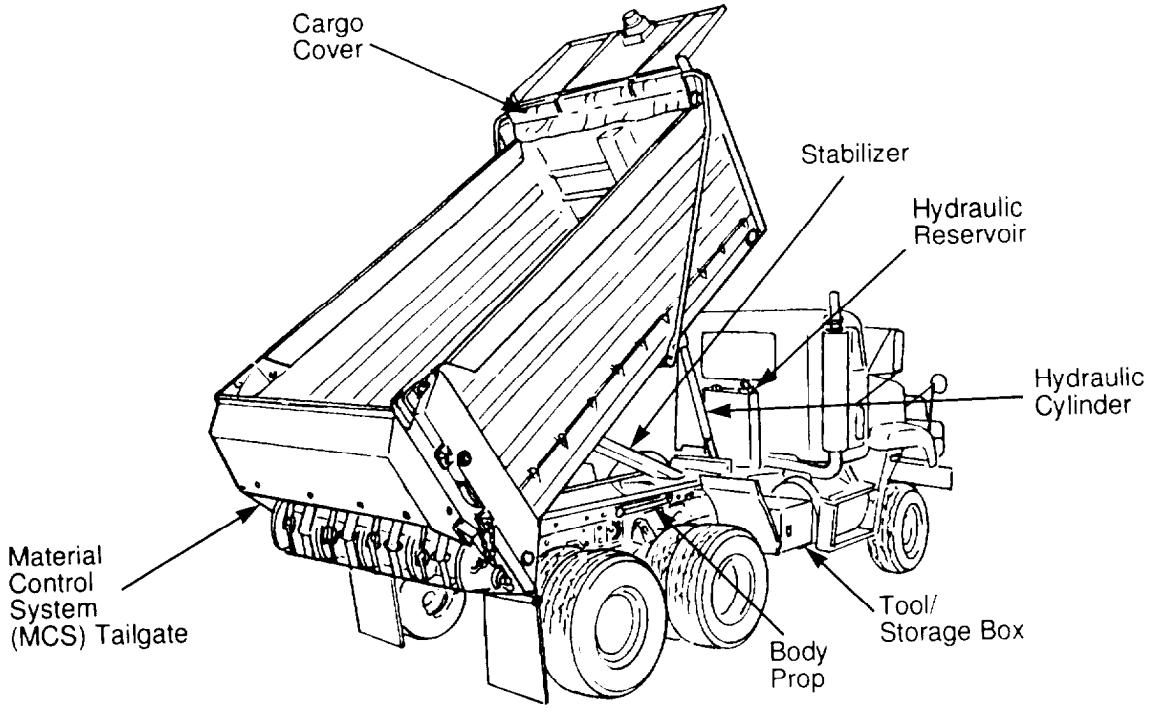
  An alphabetical index is provided at the end of the manual to assist in locating information not readily found in the Table of Contents.

FOLLOW THESE GUIDELINES WHEN YOU USE THIS MANUAL:

- Read through this manual and become familiar with its contents before attempting to operate or maintain the dump truck body.
- A warning summary is provided at the beginning of this manual and should be read before attempting to operate or maintain the dump truck body.
- Within a chapter or section, headings are used to help group the material to assist in quickly finding tasks. Read all preliminary information found at the beginning of each task. After completing a task, ALWAYS perform the follow-on maintenance at the end of the task.



M917A1



M917A1 W/MCS

CHAPTER 1
INTRODUCTION

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1-1. SCOPE.

NOTE

Refer to TM 9-2320-363-10, TM 9-2320-363-20, TM 9-2320-363-34, and TM 9-2320-363-24P for operation, maintenance and repair parts and special tools list for the M917A1 and M917A1 w/MCS chassis.

a. **Type of Manual.** Operator's, Unit, Direct Support, and General Support Maintenance Manual with Repair Parts and Special Tools Lists.

b. **Equipment Name and Model Number.** Truck, Dump, Heavy, Body: 6 x 6, 14 Cu Yd, On-Off Highway, M917A1 and M917A1 w/MCS.

c. **Purpose Equipment.** Used by engineering and construction units to transport and dump or spread aggregate, hot mix asphalt or similar materials.

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, *(Functional User's Manual for the Army Maintenance Management System)* as contained in the Maintenance Management Update.

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

Refer to TM 750-244-3 for procedures for destruction of Army materiel to prevent enemy use.

1-4. PREPARATION FOR STORAGE OR SHIPMENT.

Refer to Chapter 4. Section X, for instructions for preparing the dump truck body for storage or shipment.

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

NOTE

Refer to MIL-STD-12D for standard abbreviations.

Official Name	Common Name or Abbreviation
Army Oil Analysis Program	AOAP
Central Tire Inflation System	CTIS
Corrosion Prevention and Control	CPC
Material Control System	MCS
Power Take-Off	PTO

1-6. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs).

If your dump truck needs improvement, let us know. Send us an SF Form 368 *(Product Quality Deficiency Report)*. 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. Mail it to us at: Commander, U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-AC-NML, Rock Island. IL 61299-7630. We'll send you a reply.

1-7. WARRANTY INFORMATION.

The vehicles are warranted by Freightliner Corporation in accordance with TB 9-2320-363-15. Warranty starts on the date found in block 23, DA Form 2408-9 in the logbook. Report all defects in workmanship to your supervisor, who will take appropriate action through your Unit Maintenance shop.

1-8. SAFETY, CARE, AND HANDLING.

a. **First Aid.** For first aid information refer to FM 21-11, *First Aid for Soldiers.*

b. **Personnel Safety Precautions.**

(1) Read and become familiar with all WARNINGS in the warning summary at the front of this manual.

(2) Pay attention to WARNING decals on the dump body. These provide safety instructions and identify specific hazards which, if not followed, may result in serious injury or death to personnel.

(3) Throughout this manual, WARNINGS and CAUTIONs are given immediately preceding the procedural steps to which they apply. Read these WARNINGS and CAUTIONs and follow them exactly.

(4) When performing maintenance, protect yourself against injury. Wear protective gear such as safety goggles or lenses, safety shoes, rubber apron, gloves, etc.

(5) Notify others in the area if you are handling flammable materials. Know the location of fire extinguishers and emergency procedures in case of accident or fire.

1-8. SAFETY, CARE, AND HANDLING (Con't).

(6) Before performing maintenance, ensure that dump truck is secured against movement. Park vehicle on level ground, place transmission in N (Neutral), and set parking brake (TM 9-2320-363-10). If parking brake is not functioning, chock wheels.

(7) NEVER work under raised dump body unless body props are used to prop it safely in the raised position.

(8) When lifting heavy parts, have someone help you. Ensure that lifting or jacking equipment is working properly, is of sufficient capacity for the assigned task, and is secure against slipping.

1-9. CORROSION PREVENTION AND CONTROL (CPC).

a. CPC of Army materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements made to prevent the problem in future items.

b. While corrosion is typically associated with rusting of metals, it 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.

c. If a corrosion problem is identified, it can be reported using SF 368 *(Product Quality Deficiency Report).* Use of key words such as "corrosion," "rust," "deterioration," or "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.