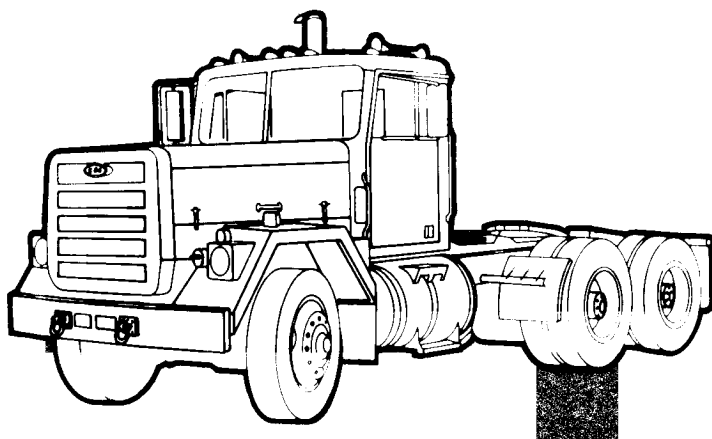


# OPERATOR'S MANUAL

TRUCK TRACTOR, LINE HAUL, 50,000 GVWR,  
6 X 4, M915 (NSN 2320-01-028-4395)

TRUCK TRACTOR,  
LIGHT EQUIPMENT TRANSPORTER (LET),  
56,000 GVWR, 6 X 6, W/WINCH, M916 (NSN 2320-01-028-4396)

TRUCK TRACTOR,  
MEDIUM EQUIPMENT TRANSPORTER (MET),  
75,000 GVWR, 8 X 6, W/WINCH, M920 (NSN 2320-01-028-4397)



TRUCK CHASSIS, 75,000 GVWR,  
8 X 6, FOR 20 TON DUMP TRUCK,  
M917 (NSN 3805-01-028-4389)

TRUCK CHASSIS, 56,000 GVWR, 6 X 6,  
FOR BITUMINOUS DISTRIBUTOR TRUCK,  
M918 (NSN 3895-01-028-4390)

TRUCK CHASSIS, 75,000 GVWR, 8 X 6,  
FOR CONCRETE-MOBILE® MIXER TRUCK  
M919 (NSN 3895-01-028-4391)

This copy is a reprint which includes current  
pages from Changes 1 through 6.

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**DEPARTMENT OF THE ARMY**  
**MAY 1980**

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## HOW TO USE THIS MANUAL

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This manual is designed to help you to operate and maintain the M915 thru M920 vehicles. Listed below are special features which have been included to make it easier to locate and to use the information you need.

- A front cover Table of Contents is provided, giving you a quick reference to chapters and sections that You will be using often.
- Warnings, subject headings, procedural steps, and certain other modules of information are highlighted in bold print or red as a visual aid for you.
- Upper case type is used to emphasize statements of particular importance.

### FOLLOW THESE GUIDELINES WHEN YOU USE THIS MANUAL:

- Read all warnings and cautions.
- Within a chapter or section, boxed headings are used to help categorize the material and to assist in finding subjects quickly.
- The driver should read through this manual and become familiar with the content before attempting to operate the truck.

Equipment description herein is non-metric and does not require metric conversion or special tools.

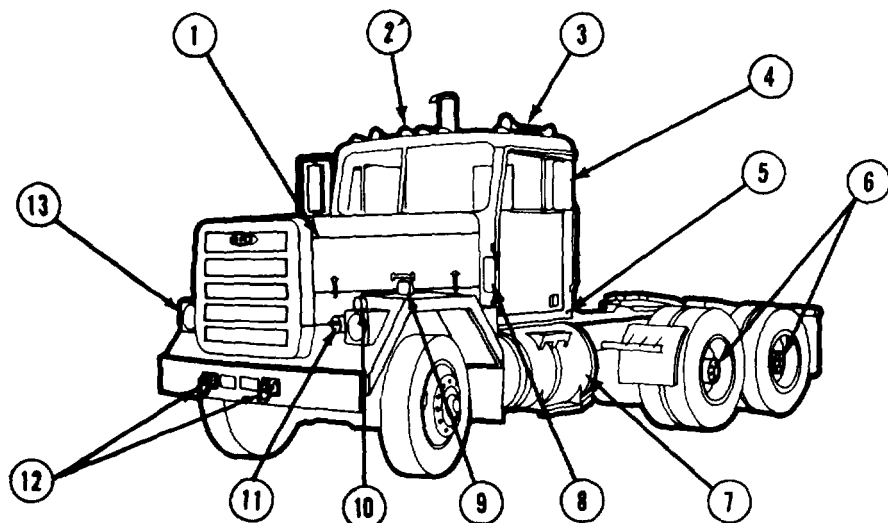
Tactical instructions will include metric units in addition to English units. Clarity of instruction is not impaired.

|                |
|----------------|
| <b>WARNING</b> |
|----------------|

**This vehicle has been designed to operate safely and efficiently within the limits specified in this TM. Operation beyond these limits is prohibited IAW AR 70-1 without written approval from the Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-CM-S, Warren, MI 48397-6000.**

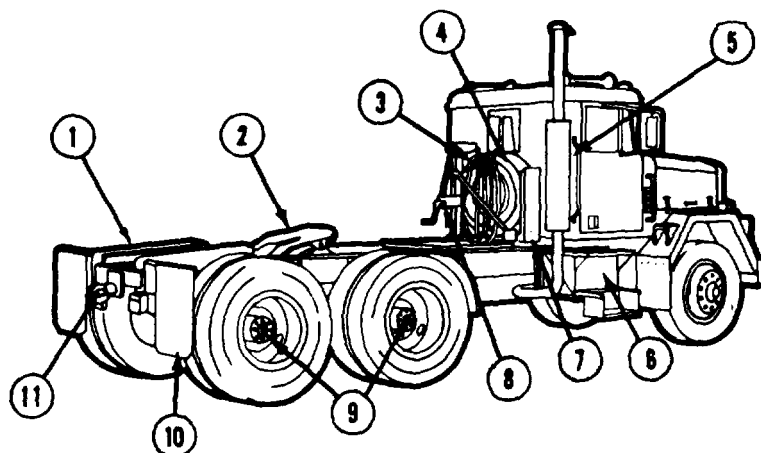
# CHAPTER 1 INTRODUCTION

## Section I. GENERAL INFORMATION



- |                           |                     |                         |
|---------------------------|---------------------|-------------------------|
| 1 NTC-400 DIESEL ENGINE   | 6 DRIVING AXLE      | 10 BLACKOUT MARKER      |
| 2 CLEARANCE LIGHT         | 7 FUEL TANK         | 11 BLACKOUT DRIVE LIGHT |
| 3 AIR HORN                | 8 FRESH AIR VENT    | 12 TOWING EYE           |
| 4 SIDE MIRROR             | 9 TURN SIGNAL LIGHT | 13 SERVICE HEADLIGHT    |
| 5 RECEPTACLE (BOTH SIDES) |                     |                         |

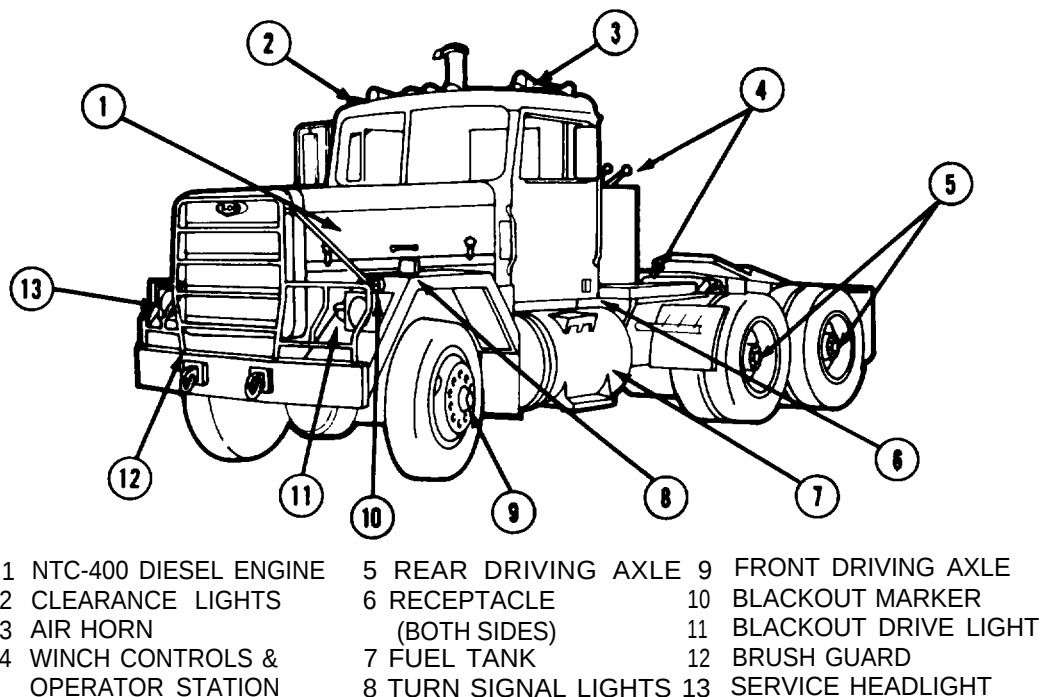
Figure 1-1. M915 - Left Front View.



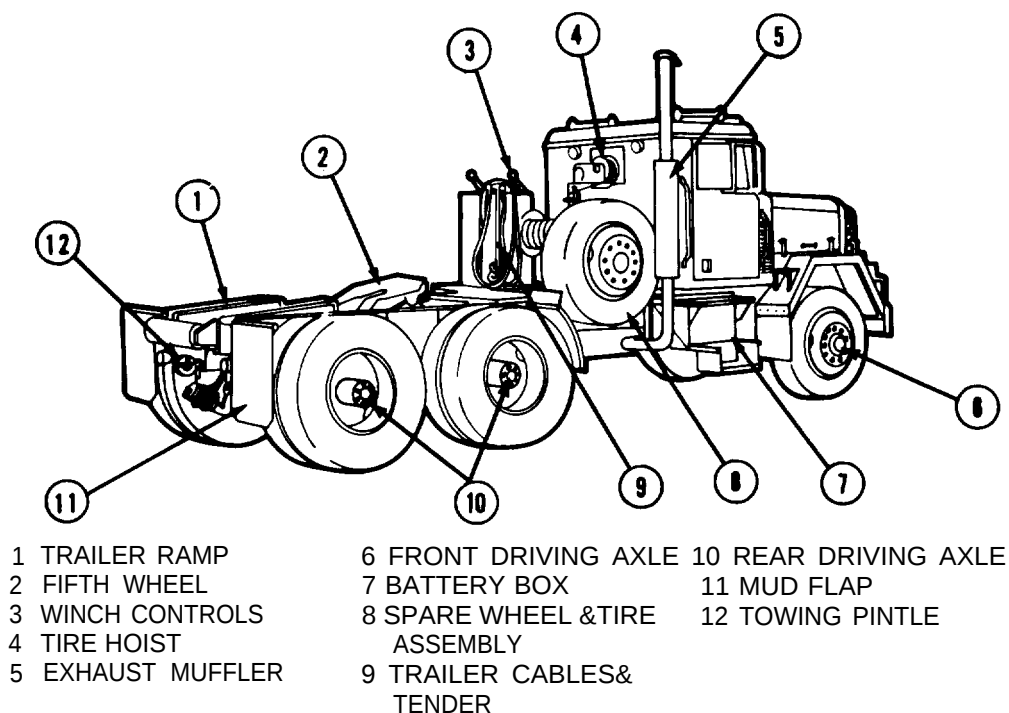
- |                |                        |                  |
|----------------|------------------------|------------------|
| 1 TRAILER RAMP | 4 SPARE WHEEL & TIRE   | 8 TIRE HOIST     |
| 2 FIFTH WHEEL  | 5 EXHAUST MUFFLER      | 9 DRIVING AXLE   |
| 3 HOSE TENDER  | 6 BATTERY BOX          | 10 MUD FLAP      |
|                | 7 WHEEL & TIRE CARRIER | 11 TOWING PINTLE |

Figure 1-2. M915 - Right Rear View.

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**Figure 1-3. M916 - Left Front View.**



**Figure 1-4. M916 - Right Rear View.**

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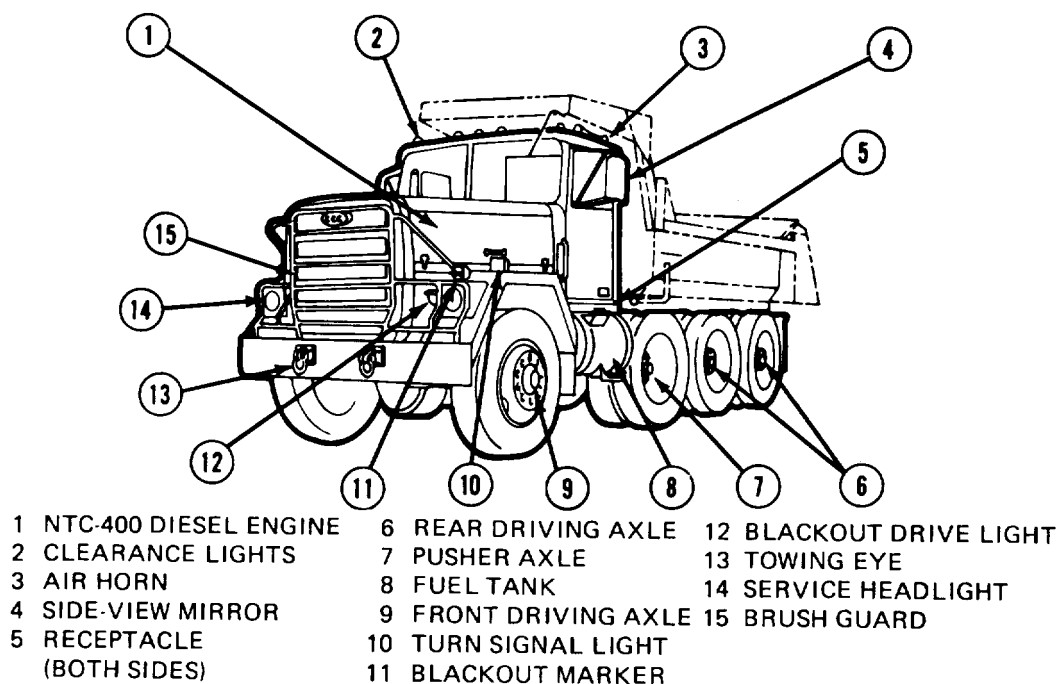


Figure 1-5. M917 - Left Front View.

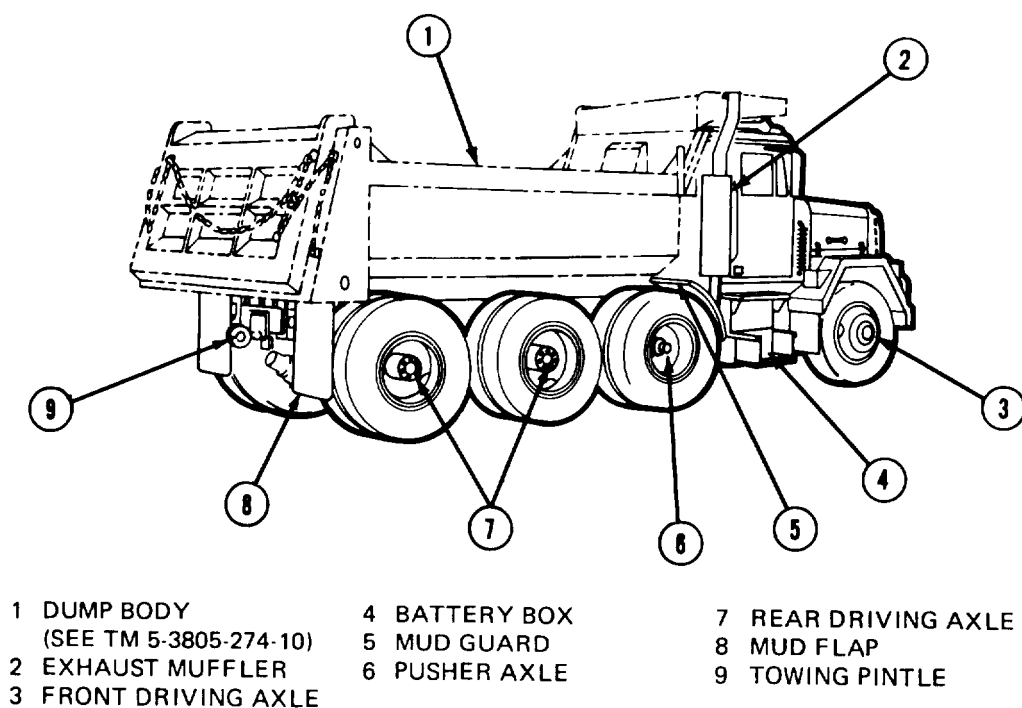
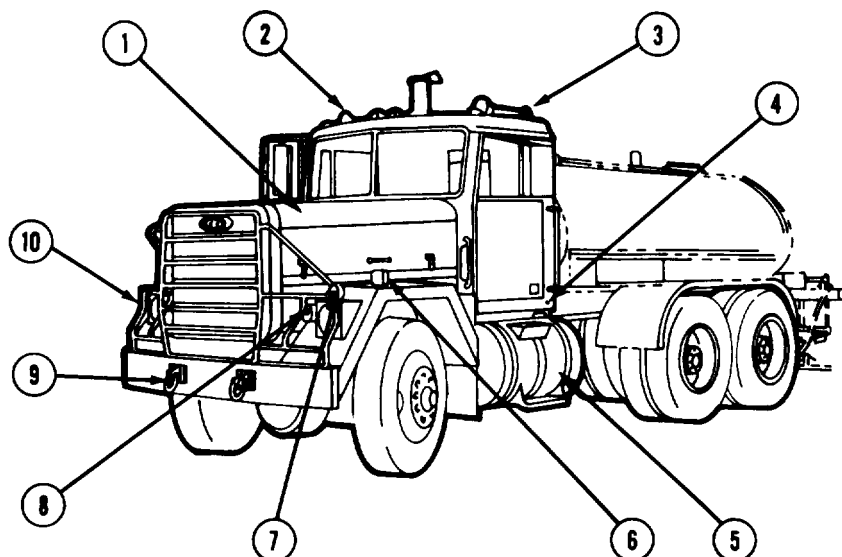


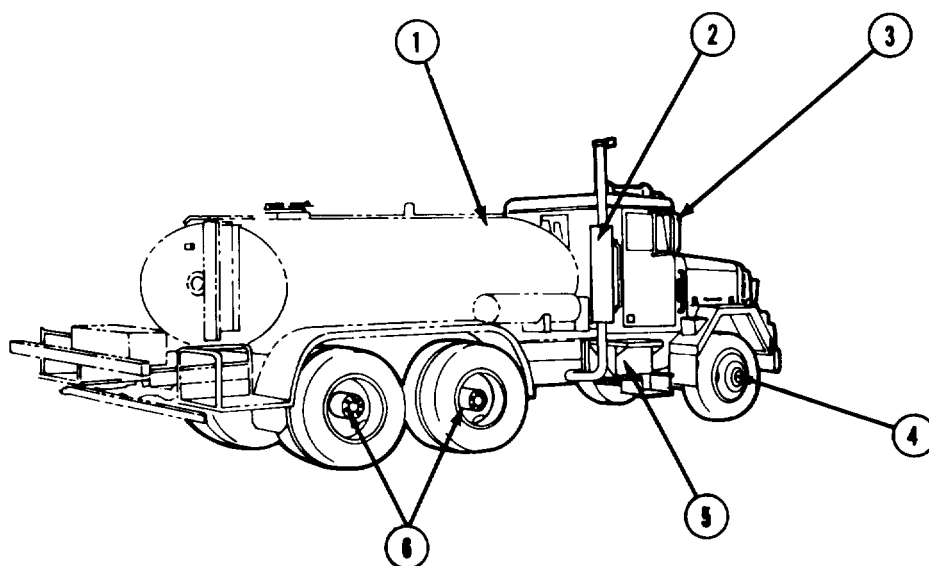
Figure 1-6. M917 - Right Rear View.

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- |                           |                     |                        |
|---------------------------|---------------------|------------------------|
| 1 NTC-400 DIESEL ENGINE   | 5 FUEL TANK         | 8 BLACKOUT DRIVE LIGHT |
| 2 CLEARANCE LIGHT         | 6 TURN SIGNAL LIGHT | 9 TOWING EYE           |
| 3 AIR HORN                | 7 BLACKOUT MARKER   | 10 BRUSH GUARD         |
| 4 RECEPTACLE (BOTH SIDES) |                     |                        |

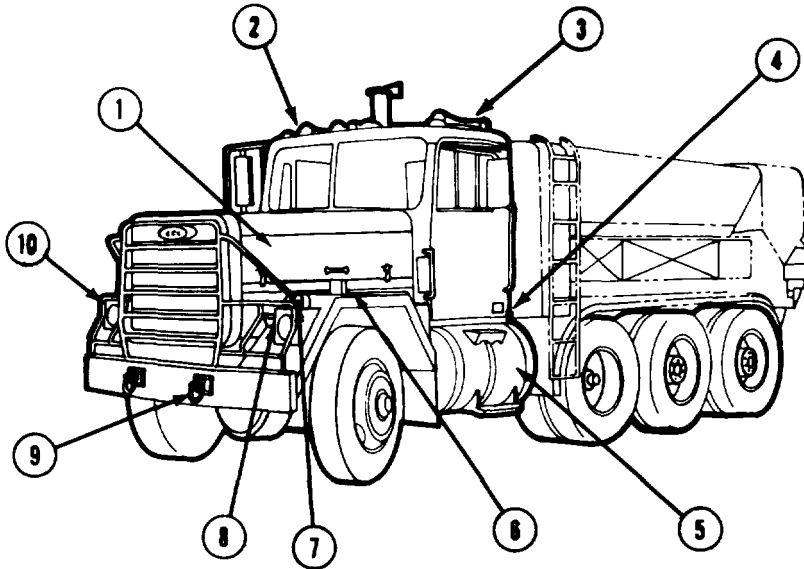
*Figure 1-7. M918 - Left Front View.*



- |                                                         |                      |
|---------------------------------------------------------|----------------------|
| 1 BITUMINOUS DISTRIBUTOR<br>BODY (SEE TM 5-3895-371-10) | 4 FRONT DRIVING AXLE |
| 2 EXHAUST MUFFLER                                       | 5 BATTERY BOX        |
| 3 SIDE-VIEW MIRROR                                      | 6 REAR DRIVING AXLE  |

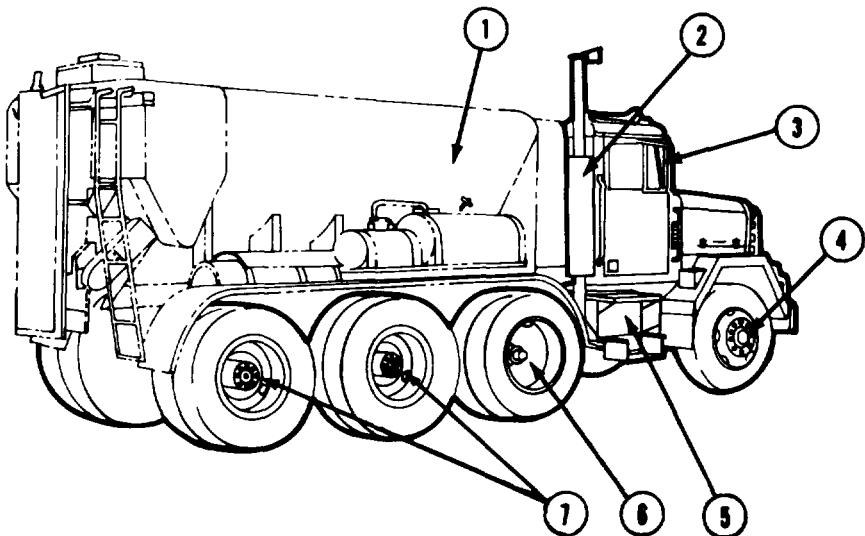
*Figure 1-8. M918 - Right Rear View.*

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- |                           |                     |                        |
|---------------------------|---------------------|------------------------|
| 1 NTC-400 DIESEL ENGINE   | 5 FUEL TANK         | 8 BLACKOUT DRIVE LIGHT |
| 2 CLEARANCE LIGHT         | 6 TURN SIGNAL LIGHT | 9 TOWING EYE           |
| 3 AIR HORN                | 7 BLACKOUT MARKER   | 10 BRUSH GUARD         |
| 4 RECEPTACLE (BOTH SIDES) |                     |                        |

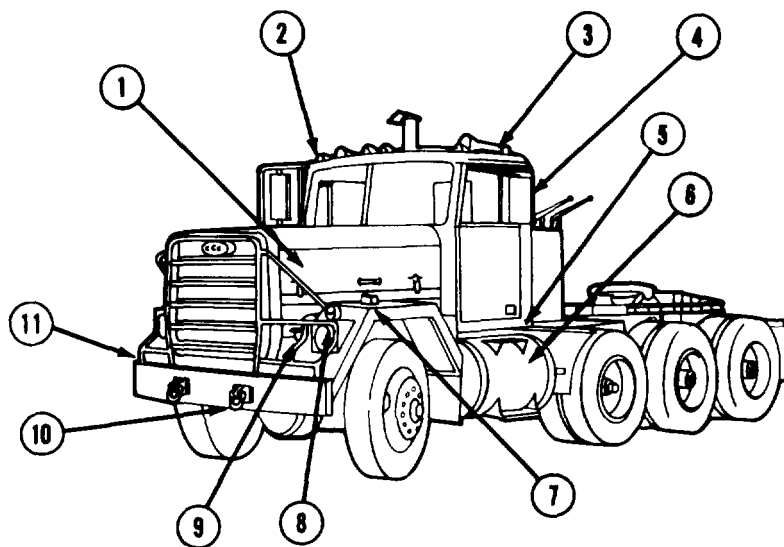
Figure 1-9. M919 – Left Front View.



- |                                                                     |                      |
|---------------------------------------------------------------------|----------------------|
| 1 CONCRETE-MOBILE <sup>®</sup> MIXER<br>BODY (SEE TM 5-3895-372-10) | 4 FRONT DRIVING AXLE |
| 2 EXHAUST MUFFLER                                                   | 5 BATTERY BOX        |
| 3 SIDE-VIEW MIRROR                                                  | 6 PUSHER AXLE        |
|                                                                     | 7 REAR DRIVING AXLE  |

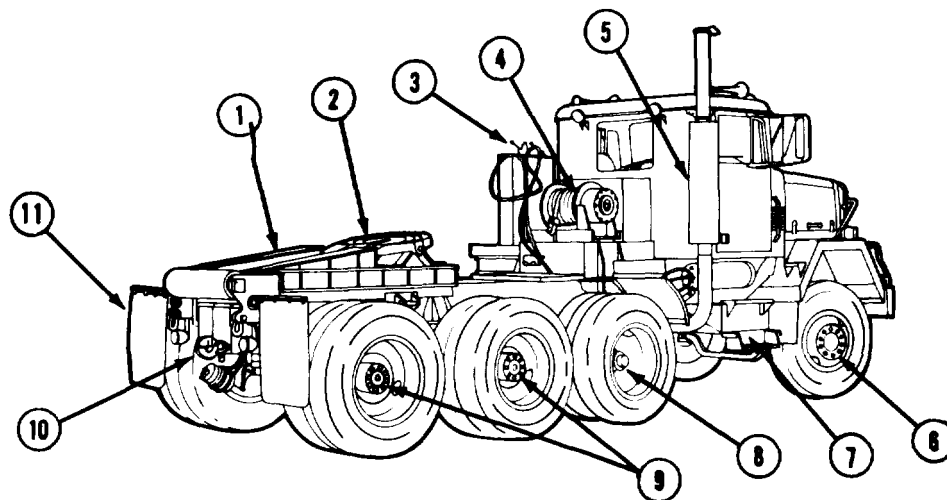
Figure 1-10. M919 – Right Rear View.

TA 073541



- |                         |                     |                        |
|-------------------------|---------------------|------------------------|
| 1 NTC-400 DIESEL ENGINE | 5 RECEPTACLE        | 8 BLACKOUT MARKER      |
| 2 CLEARANCE LIGHT       | (BOTH SIDES)        | 9 BLACKOUT DRIVE LIGHT |
| 3 AIR HORN              | 6 FUEL TANK         | 10 TOWING EYE          |
| 4 SIDE-VIEW MIRROR      | 7 TURN SIGNAL LIGHT | 11 BRUSH GUARD         |

**Figure 1-11. M920 – Left Front View.**



- |                  |                      |                     |
|------------------|----------------------|---------------------|
| 1 TRAILER RAMP   | 5 EXHAUST MUFFLER    | 9 REAR DRIVING AXLE |
| 2 FIFTH WHEEL    | 6 FRONT DRIVING AXLE | 10 TOWING PINTLE    |
| 3 WINCH CONTROLS | 7 BATTERY BOX        | 11 MUD GUARD        |
| 4 WINCH DRUM     | 8 PUSHER AXLE        |                     |

**Figure 1-12. M920 – Right Rear View.**

TA 073542

### 1-1. Scope.

This operator's manual is for use in operating and maintaining the M915, M916 and M920 truck tractors and the M917, M918 and M919 truck chassis. These models differ in configuration for the applications shown below:

| MODEL | APPLICATION                                                 |
|-------|-------------------------------------------------------------|
| M915  | TOWED LOAD – M-872 Trailer – 30,000 lbs (on the king pin)   |
| M916  | TOWED LOAD – M-172A1 Trailer – 25,588 lbs (on the king pin) |
| M917  | DUMP TRUCK – 40,000 lbs payload (12 cubic yards)            |
| M918  | BITUMINOUS DISTRIBUTOR – 1500 gal. payload                  |
| M919  | CONCRETE-MOBILE <sup>®</sup> MIXER – 8 cubic yards payload  |
| M920  | TOWED LOAD – M-870 Trailer – 40,000 lbs (on the king pin)   |

### 1-2. Maintenance Forms and Records.

Every mission begins and ends with the paperwork. There isn't much of it, but you have to keep it up. The forms and records you fill out have several uses. They are a permanent record of the services, repairs, and modifications made on your carrier. They are reports to organizational maintenance and to your commander. And they are a checklist for you when you want to know what is wrong with the carrier after its last use, and whether those faults have been fixed. For the information you need on forms and records, see TM 38-750.

### 1-3. Reporting Equipment Improvement Recommendations (EIR's).

EIR's can and must be submitted by anyone who is aware of an unsatisfactory condition with the equipment design or use. It is not necessary to show a new design or list a better way to perform a procedure, just simply tell why the design is unfavorable or why a procedure is difficult. See TM 38-750. Mail SF 368 directly to Commander, U.S.

Army Tank-Automotive Materiel Readiness Command, ATTN: DRSTA-MP, Warren, Michigan, 48090. A reply will be furnished to you.

### 1-4. Warranty Information.

The vehicles are warranted by AM General Corporation in accordance with TB 9-2300-295-15-17 Warranty starts on the date found in block 23, DA Form 2408-9 in the logbook. Report all defects in material or workmanship to your supervisor, who will take appropriate action through your Organizational Maintenance shop.