

TECHNICAL MANUAL

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

FOR

**SEMITRAILER, TANK: 5000 GALLON,
BULK HAUL, SELF LOAD/UNLOAD
M967 (NSN 2330-01 -050-5632)
M967A1 (NSN 2330-01-1 55-0046)**

**SEMITRAILER, TANK: 5000 GALLON,
FUEL DISPENSING, AUTOMOTIVE
M969 (NSN 2330-01 -050-5634)
M969A1 (NSN 2330-01-1 55-0048)**

**SEMITRAILER, TANK: 5000 GALLON,
FUEL DISPENSING, UNDER/OVERWING AIRCRAFT
M970 (NSN 2330-01 -050-5635)
M970A1 (NSN 2330-01-155-0047)**

This manual and TM 9-2330-356-24P supersede TM 9-2330-356-12&P dated 20 October 1980 and TM 9-2330-356-34&P dated 1 October 1980 and all changes.

Approved for public release: distribution is unlimited.

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DEPARTMENT OF THE ARMY
Washington D.C., 26 October 1990

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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 Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining the M967, M967A1, M969, M969A1, M970, and M970A1 5000 gallon fuel tank semitrailers. It also includes references, components of end item lists, an additional authorization list, a maintenance allocation chart, and an expendable supplies and materials list.

1-2. Maintenance Forms and Records

Equipment maintenance forms and procedures for their use are contained in DA Pam 738-750, The Army Maintenance Management System (TAMMS).

1-3. Preparation for Storage or Shipment

For information on preparing the M967, M967A1, M969, M969A1, M970, and M970A1 semitrailers for storage or shipment, refer to Chapter 4, Section XXI.

1-4. Destruction of Army Materiel to Prevent Enemy Use

Refer to TM 750-244-6 for information and instructions on destroying this equipment.

1-5. Reporting of Equipment Improvement Recommendations (EIRs)

If your semitrailer 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. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MP, Warren, MI 48397-5000. A reply will be furnished to you.

1-6. Quality Assurance/Quality Control (QA/QC)

Quality assurance inspections shall be performed in accordance with requirements in TM 750-245-4.

Section II. DESCRIPTION AND DATA

1-7. Description (Figs. 1-1 through 1-11)

a. Basic Configuration. These trailers are designed to bestow by a truck tractor equipped with a fifth wheel. Authorized 5-ton truck tractors are the M52A2, M818, M931, M931A1, M932, and M932A1. When driving on hard surface highways only, the 10-ton military-adapted commercial 6 x 4 truck tractors, M915 and M915A1, are also authorized. Construction and basic configuration of the M967, M967A1, M969, M969A1, M970, and M970A1 are the same except for dispensing equipment, new bogie, braking system, and functional use.

b. Common Operations. All six models, M967, M967A1, M969, M969A1, M970, and M970A1 can be loaded through the bottom or through the top fill opening. The 4-cylinder diesel engine and pump assembly provide self-load/unload capability.

c. Construction. The trailer has a stainless steel, single compartment tank of 5000 gallon capacity, plus 3% capacity for product expansion. The chassis is constructed of welded steel and is equipped with full floating tandem axles and manually operated landing gear.

d. Common Equipment. Each model is equipped with pressure and vacuum vents, hose troughs, sealed manhole, calibrated gage, bulk fuel hoses, portable grounding rod, static reel, and spare tire. A ladder is provided at the front of the M967, M969, and M970, and at the rear of the M967A1, M969A1, and M970A1 semitrailers for access to the top manhole. A vapor recovery system, required in certain ecological areas, can be installed on all models (para 1-9).

e. Components. The maintenance paragraphs of this manual contain a detailed description of the components. Differences between models, if pertinent, are included.

1-8. Differences Between Models (Figs. 1-1 through 1-11)

a. M967 and M967A1. These models are 5000 gallon bulk haul, self-load/unload semitrailers equipped primarily for bulk delivery of fuel. These models do not have the dispensing capability of the M969, M969A1, M970, and M970A1 semitrailers. The M967 and M967A1 have a 4-cylinder diesel engine and a 4-inch centrifugal pump. The self priming, low-head pump provides a self-load rate of up to 300 gpm and a bulk delivery rate of up to 600 gpm.

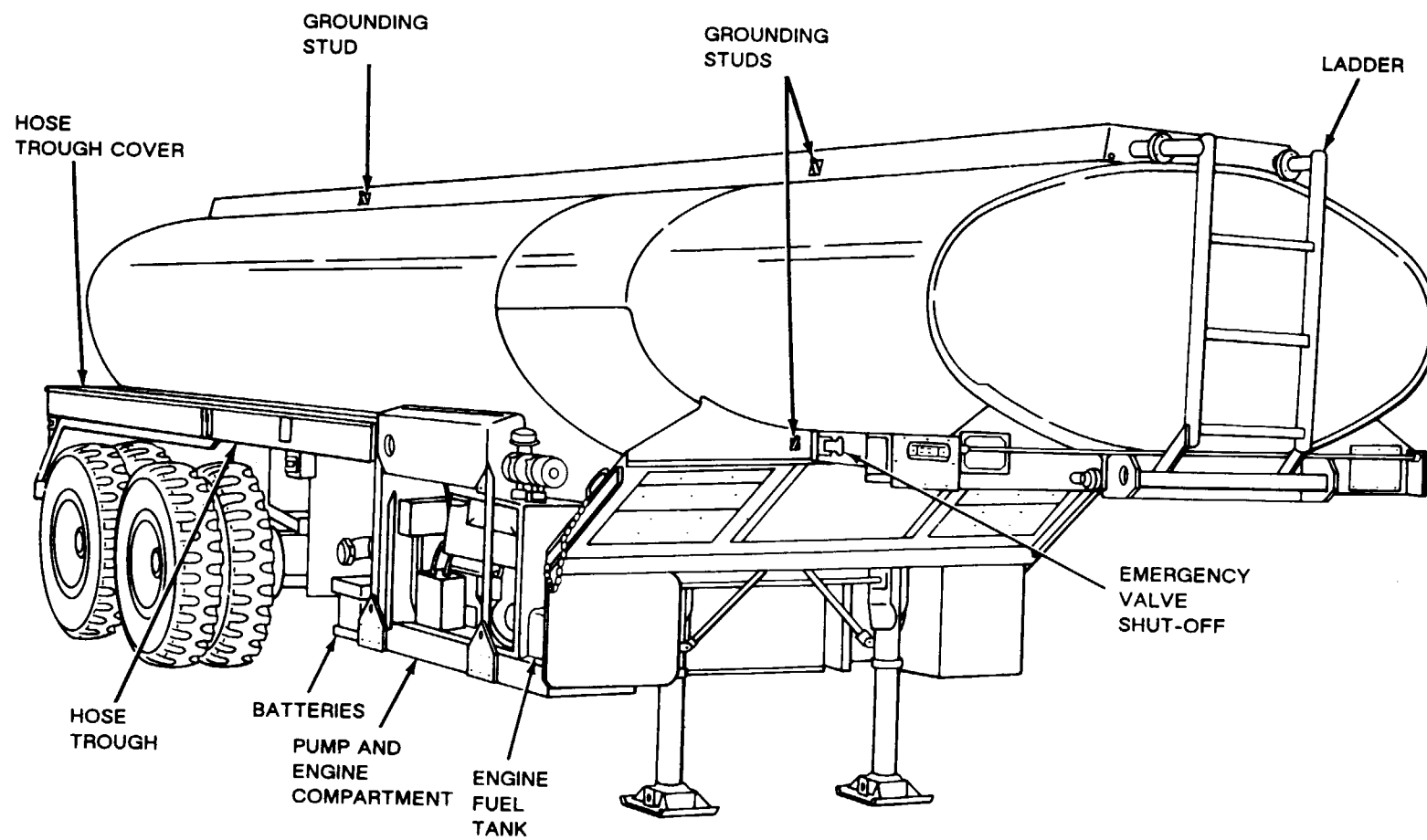


Figure 1-1. Model M967, Tank Semitrailer, Right Front View.

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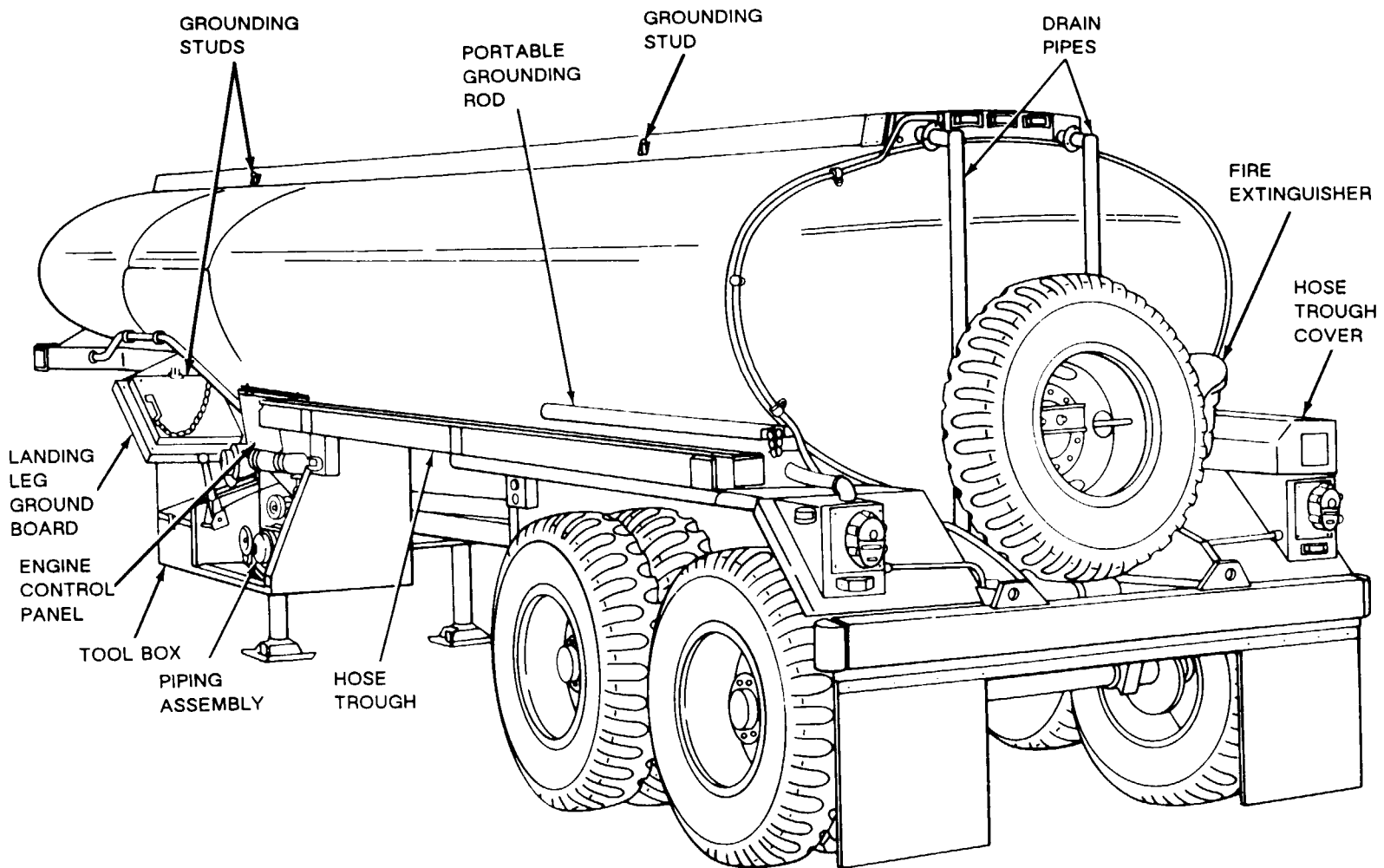


Figure 1-2. Model M967, Tank Semitrailer, Left Rear View.

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