

TM 9-2330-330-14&P

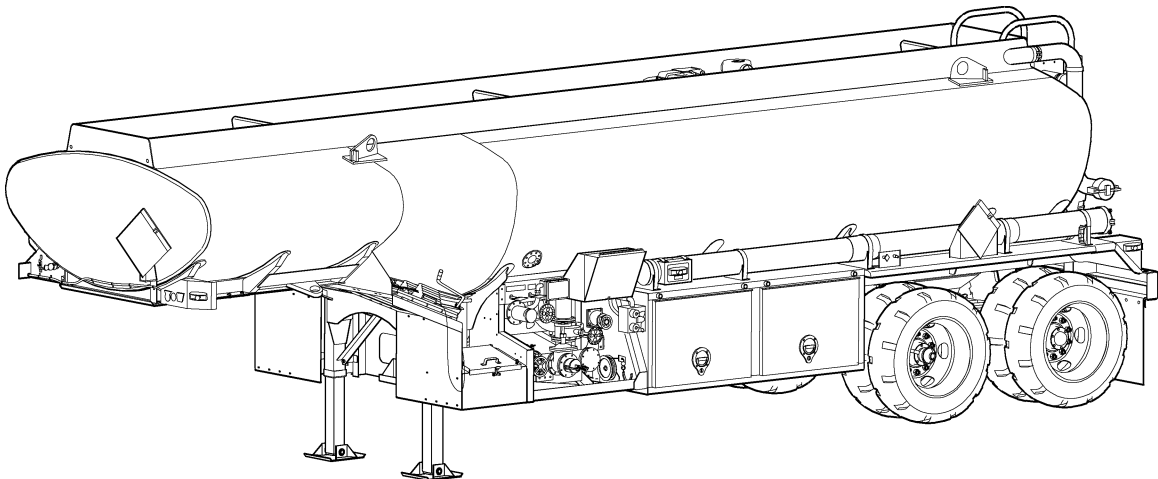
TECHNICAL MANUAL

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)**

FOR

**SEMITRAILER, FUEL TANKER: 5000-GALLON,
FUEL-DISPENSING, AUTOMOTIVE,
M969A3**

(NSN 2330-01-495-0043)



DISTRIBUTION STATEMENT A—Approved for public release; distribution is unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
DECEMBER 2003**

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HOW TO USE THIS MANUAL

SCOPE

This manual provides you with the information you will need to operate and maintain the semitrailer.

MANUAL CONTENT

The front matter in this manual consists of general warnings, title block page, and table of contents.

The information contained in this manual is presented in nine chapters. Each chapter is divided into Work Packages (WPs) that cover operating procedures, maintenance procedures, troubleshooting procedures, and other information for specific systems or components. Each WP starts on a right-hand page. Page number consists of the WP number followed by a dash and another number. For example "0007 00-9" means WP 0007 00, page 9.

At the end of this manual are an alphabetical index, DA Form 2028-2, and metric conversion chart.

Front Matter

There are general warnings that start on the first right-hand page immediately after the cover that should be read before performing any maintenance on the semitrailer.

The title block page includes the reporting of errors and recommending improvements statement.

The table of contents lists the chapters and WPs in the manual.

Chapters

Chapter 1 provides general information, equipment descriptions, and theory of operation.

Chapter 2 provides the description and use of controls and indicators, and operating instructions.

Chapter 3 provides Operator troubleshooting procedures.

Chapter 4 provides Organizational troubleshooting procedures.

Chapter 5 provides Direct Support and General Support troubleshooting.

Chapter 6 provides Operator maintenance instructions.

Chapter 7 provides Organizational maintenance instructions.

Chapter 8 provides Direct Support and General Support maintenance instructions.

Chapter 9 provides supporting information, including the publications referenced in this manual, Maintenance Allocation Chart (MAC), Basic Issue Items (BII) list, expendable and durable items list, torque limits, and Repair Parts and Special Tools List (RPSTL).

Alphabetical Index

An index is located after the last WP in this manual that provides an alphabetical listing of information and components/assemblies contained in this manual.

HOW TO USE THIS MANUAL—Continued

DA Form 2028-2

DA Form 2028-2 is used to report errors and to recommend improvements for the tasks in this manual.

Metric Conversion Chart

This metric conversion chart converts English measurements to metric equivalents. Measurements in this manual are provided in both English and metric units.

WARNINGS, CAUTIONS, AND NOTES

You must read and understand this manual BEFORE operating the semitrailer.

Throughout this manual, you will see **WARNING**, **CAUTION**, and **NOTE** headings. There are good reasons for every one of these notices:

WARNING

A warning is used to alert the user to hazardous operating and maintenance procedures, practices, or conditions that could result in injury or death. Warnings must be strictly observed.

CAUTION

A caution is used to alert the user to hazardous operating and maintenance procedures, practices, or conditions that could result in damage to, or destruction of, equipment or mission effectiveness. Cautions must be strictly observed.

NOTE

A note highlights an essential operating or maintenance procedure, condition, or statement.

Warnings and cautions appear immediately preceding the step to which they pertain. It is important to read and thoroughly understand the warnings and/or cautions before beginning maintenance. Notes may precede or follow the steps to which they pertain, depending on what makes the most sense.

INITIAL SETUPS

Before starting a task, you must obtain all the tools, supplies, and personnel listed in the initial setup. Be sure to read the task before performing the maintenance. If any other tasks are referenced, you must go to the initial setup page for each of these tasks to find out what tools, supplies, and personnel will be needed.

INDEXING

Three indexing procedures are used in this manual to help you locate information quickly:

- Table of contents
- Controls and indicators index in WP 0006 00
- Alphabetical index at the back of this manual

SEMITRAILER GENERAL INFORMATION0001 00

TYPE OF MANUAL

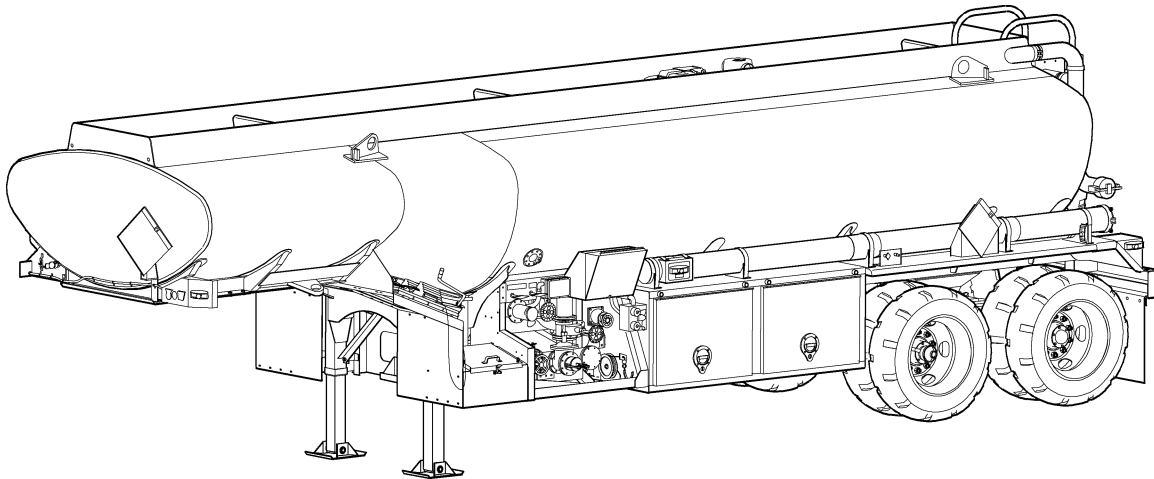
TM 9-2330-330-14&P is an Operator's, Organizational, Direct Support, and General Support Maintenance Manual including a RPSTL.

EQUIPMENT NAME AND MODEL NUMBER

This manual covers: Semitrailer, Fuel Tanker: 5000-Gallon, Fuel-Dispensing, Automotive, M969A3.

PURPOSE OF EQUIPMENT

The purpose of this semitrailer is to haul and dispense fuel.



M969A3 Semitrailer

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 Users Manual for the Army Maintenance Management System (TAMMS) or AR 700-138, Army Logistics Readiness and Sustainability.

REPORTING 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 do not like about your equipment. Let us know why you do not like the design. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to the address specified in DA PAM 738-750, Functional Users Manual for TAMMS, or as specified by the contracting activity. We will send you a reply.

CORROSION PREVENTION AND CONTROL (CPC)

CPC of Army material 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 can be made to prevent the problem in future items.

SEMITRAILER GENERAL INFORMATION—Continued0001 00

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.

If a corrosion problem is identified, it can be reported using SF 368, Product Maintenance 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, TAMMS.

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

For destruction of Army materiel to prevent enemy use, refer to TM 750-244-6.

WARRANTY STATEMENT

Heil Trailer International warrants its Tank Trailer Equipment to be free from defects in material and workmanship under normal use, when proper service and maintenance as described in its Service Bulletins and Operation Manuals are performed, for a period of 12 months from the date when these products are delivered to the first purchaser.

This warranty is expressly limited to the repair or replacement of any component or part thereof, of any such unit manufactured by Heil Trailer International, that is proven to Heil's satisfaction to have been defective in material or workmanship. Such components or parts thereof shall be repaired or replaced without cost to the first purchaser for parts and labor provided such unit is returned for such repair or replacement to an authorized Heil Distributor, or such other place as may be designated by Heil, within 12 months from the date on which the unit was delivered to such first purchaser.

Heil Trailer International neither warrants, nor does it accept liability for products manufactured by others and installed by Heil. Purchaser and/or end user must pursue any claims of any nature whatsoever, including warranties with the manufacturer of said product.

Heil Trailer International makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose.

Heil Trailer International does not assume any other liability of any nature whatsoever, including but not limited to, any direct or indirect or consequential loss, transportation charges, loss of profits, damages, or delays. Any improper use, operation beyond rated capacity, substitution of parts not approved by us, or any alteration or repair by others in such manner as in our judgment affects the product materially and adversely, shall void this warranty.

Other than extension of the warranty period under Heil's Extended Warranty Program, no employee or representative is authorized to change this warranty in any way or grant any other warranty.

Heil Trailer International warrants that this trailer is manufactured in accordance with the specifications on the order. Heil Trailer International does not warranty this piece of equipment for use in hauling any specific product. Heil Trailer International accepts no responsibility for damage to the equipment, or for cargo losses, due to an adverse effect on the equipment caused by the incompatibility of the product being hauled in the trailer. Where tanks are prepared for lining, all agreements that concern the tank

SEMITRAILER GENERAL INFORMATION—Continued

0001 00

barrel lining will be the responsibility of the customer and the lining company. In this connection, Heil Trailer International makes no warranty of products, including lining manufactured and/or installed by others, the same being subject to warranties, if any, of their respective manufacturers or installers. The customer shall bear the risk for damage or loss to the tank or injury to property or person, while the tank is either at or in transit to or from the lining company. In those instances where the lining application is performed by a Heil Trailer International facility, no warranty will be provided to the installation or application of those lining materials.

Heil Trailer International does not assume any liability for interior cleanliness and finish requirements of trailers due to different operations and circumstances. As such, Heil Trailer International does not certify that trailers are ready to be placed in service for product upon delivery. The trailer must be inspected, cleaned, washed, and otherwise prepared for its intended service by the user to the requirements of the customer prior to placing into service.

The above warranty supersedes and is in lieu of all other warranties expressed or implied.

LIST OF ABBREVIATIONS/ACRONYMS

AAL	.....	Additional Authorization List
ABS	.....	Antilock Brake System
Bil	.....	Basic Issue Items
CAGEC	.....	Commercial and Government Entity Code
cm	.....	centimeters
CPC	.....	Corrosion Prevention and Control
dc	.....	direct current
DS	.....	Direct Support
EA	.....	each
ECU	.....	Electronic Control Unit
EIR	.....	Equipment Improvement Recommendation
EPA	.....	Environmental Protection Agency
FMTV	.....	Family of Medium Tactical Vehicles
gal.	.....	gallons
GL	.....	gallons
gpm	.....	gallons per minute
GS	.....	General Support
in	.....	inches
kg	.....	kilograms
km/h	.....	kilometers per hour
kPa	.....	kilopascals
L	.....	liters
LB	.....	pound
lb-ft	.....	pound-feet
Lpm	.....	liters per minute
MAC	.....	Maintenance Allocation Chart
m	.....	meters
mm	.....	millimeters
mph	.....	miles per hour
MWO	.....	Modification Work Order
NATO	.....	North Atlantic Treaty Organization
NSN	.....	National Stock Number

SEMITRAILER GENERAL INFORMATION—Continued

0001 00

N•m Newton-meters
P/N Part Number
PMCS Preventive Maintenance Checks and Services
psi pounds per square inch
PT pint
QT quart
RO roll
ROM Refuel on the Move
RPSTL Repair Parts and Special Tools List
SC Supply Catalog
SMR Source, Maintenance, and Recoverability
SRA Specialized Repair Activity
TAMMS The Army Maintenance Management System
TAMMS-A The Army Maintenance Management System—Aviation
TB Technical Bulletin
TM Technical Manual
TMDE Test, Measurement, and Diagnostic Equipment
V volts
WC Water Column
WP Work Package

END OF TASK