

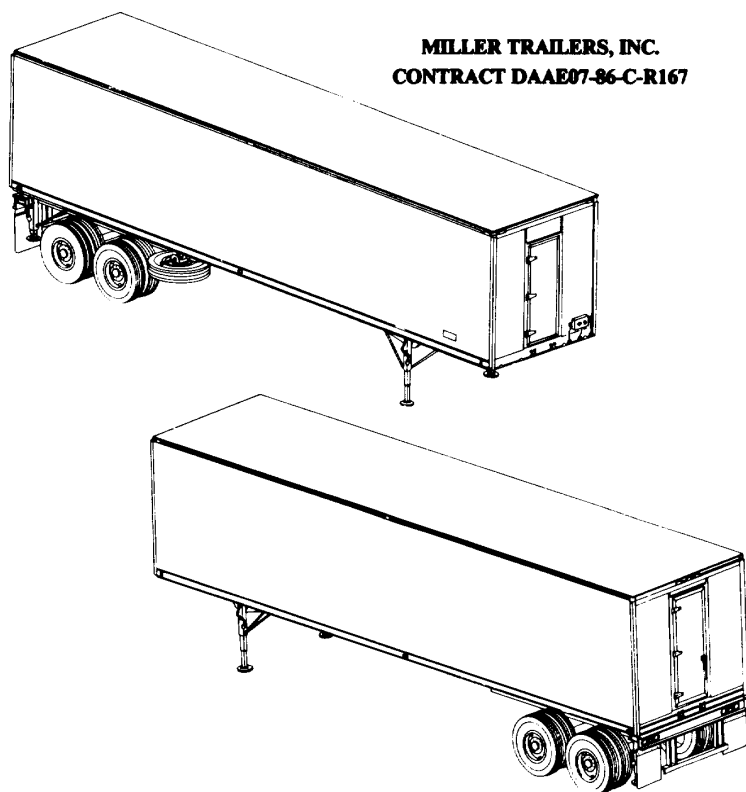
DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S, UNIT, INTERMEDIATE DIRECT SUPPORT AND
INTERMEDIATE GENERAL SUPPORT MAINTENANCE
(INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LISTS)

SEMITRAILER, VAN: ELECTRONIC TACTICAL

12-TON, 4 WHEEL, XM1063

(2330-01-224-944M)



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HEADQUARTERS, DEPARTMENT OF THE ARMY
DECEMBER 1988

TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D.C., 15 December 1988

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

(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

SEMITRAILER, VAN: ELECTRONIC TACTICAL

10-TON, 4-WHEEL, XM10063
(2330-01-163-5025)

Current as of 30 October 1988

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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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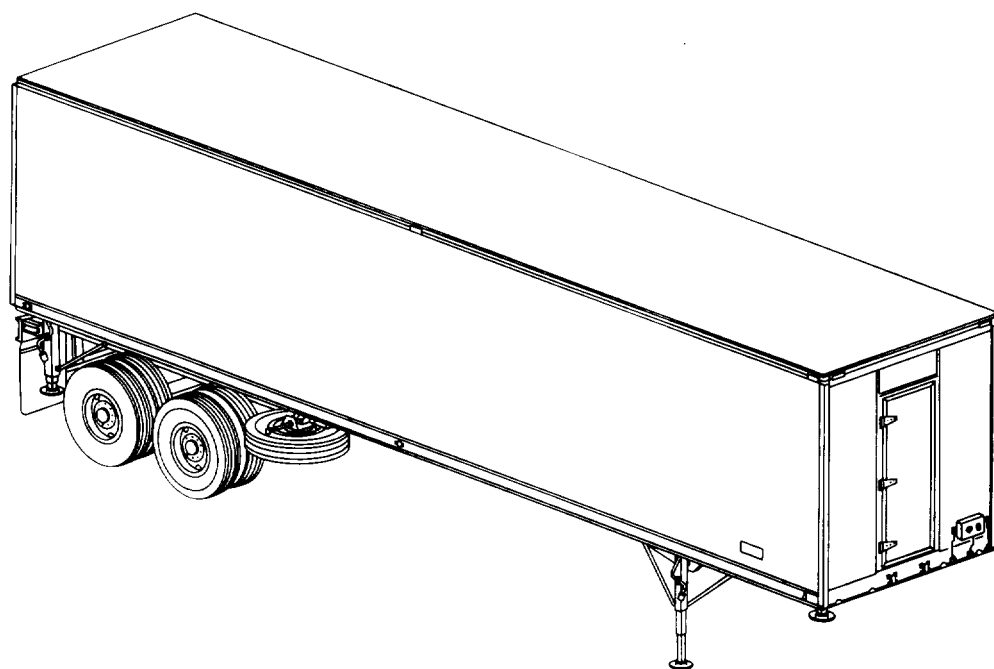
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CHAPTER 1

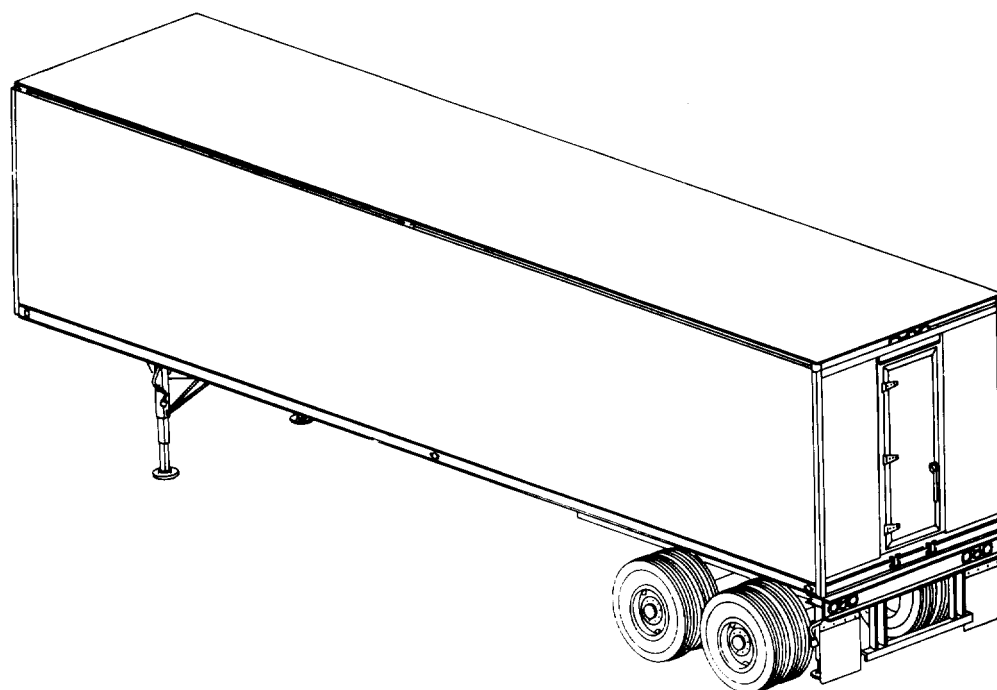
INTRODUCTION

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Semitrailer XM1063, Right Front View



Semitrailer XM1063, Left Rear View

1-1. SCOPE

Type of Manual:

Operator's, Unit, Intermediate Direct Support and Intermediate General Support Maintenance (including Repair Parts and Special Tools List).

Model Number and Equipment Name:

Semitrailer, Van: Electronic Tactical, 12-ton, 40 feet long, 102 inches wide, XM1063.

Purpose of Equipment:

Houses and transports sensitive electronic equipment.

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, The Army Maintenance Management System.

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

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

1-4. PREPARATION FOR STORAGE

For information on administrative storage, refer to page 4-88.

1-5. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

EIR 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. EIR may be submitted on SF368 (Quality Deficiency Report). Mail directly to: Commander, U.S. Army Tank Automotive Command, ATTN: AMSTA-MP, Warren MI 48397-5000. We will send you a reply.

Section II. EQUIPMENT DESCRIPTION AND DATA

1-6. EQUIPMENT CHARACTERISTICS, CAPABILITIES AND FEATURES

a. Characteristics.

- (1) Serves as housing for electronic equipment.
- (2) Serves to transport the electronic equipment in operating condition.
- (3) Provides quick set-up in operating mode

b. Capabilities and Features.

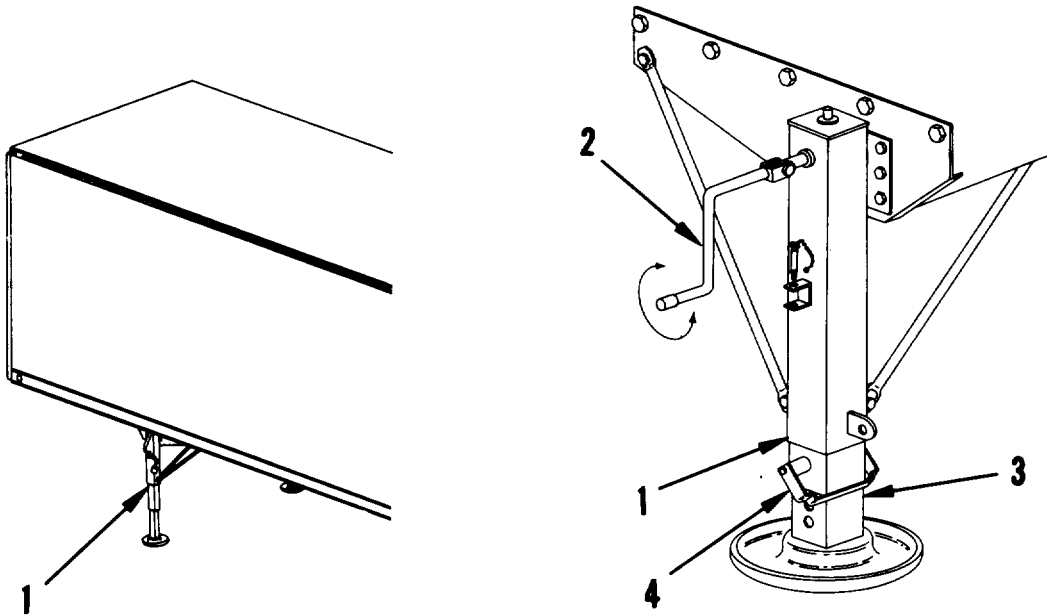
- (1) Transports delicate electronic equipment with a minimum of vibration.
- (2) Provides level attitude needed for operation of delicate electronic equipment through use of landing gears and leveling jacks.
- (3) Can be towed at speeds up to 55 mph (88.5 kph) on highway, 30 mph (48.3 kph) on improved gravel, and 30 mph (48.3 kph) cross country when fully loaded.
- (4) An air brake system provides positive stopping action of semitrailer.
- (5) It is Radio Frequency Interference (RFI) shielded.
- (6) It is weather insulated and water tight.
- (7) Has a removable dolly assembly.
- (8) The towing vehicle used is the H52, H52A1, M52A2, M818, M931 or M932 tractor.

1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

The front, rear, right, and left designations used in the manual designate the general areas or sides of the semitrailer as viewed from the rear of the semitrailer, facing toward the front.

1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (cont)

a. LANDING GEAR



Two separately operated single-speed landing gears (1).

Located near front of semitrailer.

Cranks (2) are used to operate landing gear legs to raise or lower front end of semitrailer to couple and uncouple from towing vehicle. Cranks are stowed on landing gear legs when not in use.

Landing gear is used to support semitrailer when not coupled to towing vehicle and to level front of semitrailer.

Landing gears are stowed on dolly frame for aircraft loading.

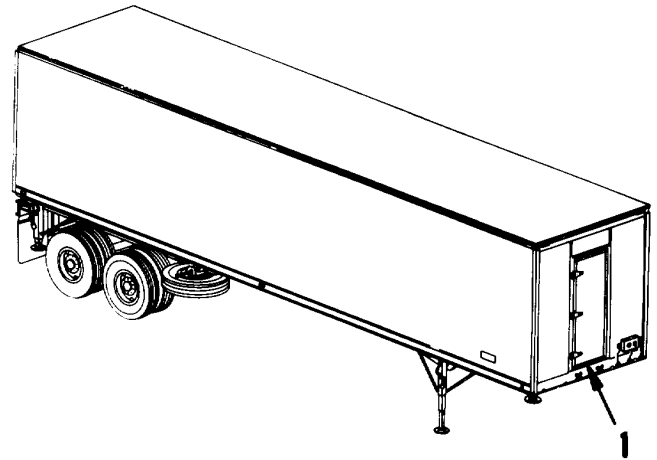
Drop leg assemblies (3) are controlled by release handle (4). The drop leg assemblies contact the ground and can be used in sandy, soft areas, as well as on flat, hard surfaces.

1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (cont)**b. FRONT DOOR (1)**

Located in center of front of van body.

Is an escape door. Does not have an outside handle.
Can only be opened from interior of semitrailer.

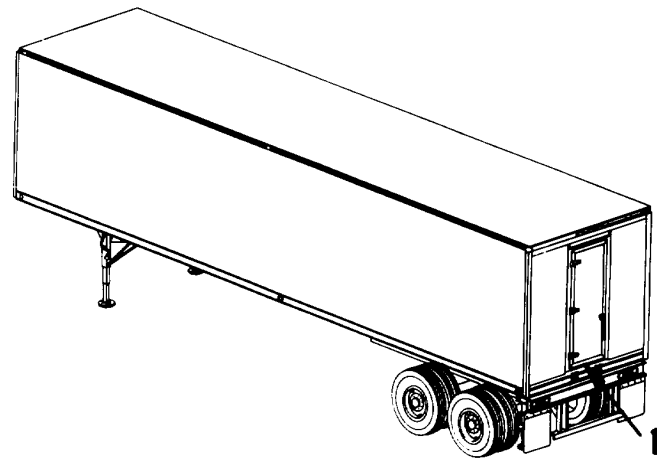
Front door is Radio Frequency Interference (RFI) shielded.

**c. REAR DOOR (1)**

Rear door is located in center of rear of van body.

It is used to gain access to the interior of the semitrailer.

Rear door is Radio Frequency Interference (RFI) shielded.

**d. BOARDING LADDER (1)**

A four-step ladder is used at door to step up to semitrailer floor level.

Refer to page 2-17 for ladder installation procedure.

Ladder is stowed in brackets on underside of van body when not in use.

