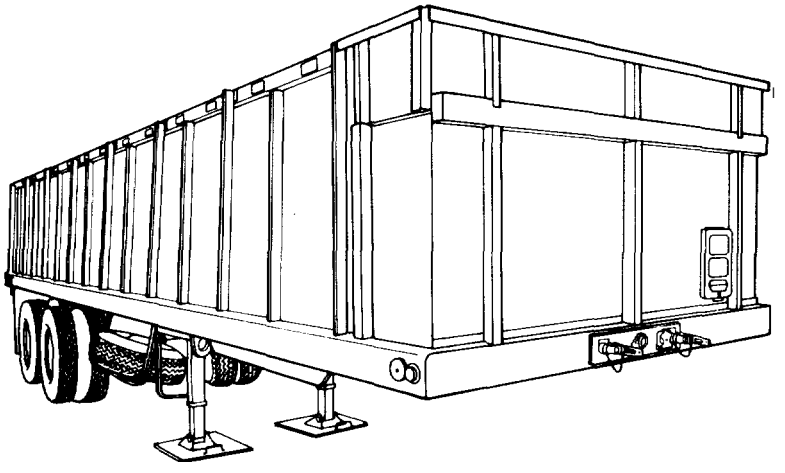
TM 9-2330-386-14&P

TECHNICAL MANUAL

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



SEMITRAILER, TACTICAL, DUAL PURPOSE, BREAKBULK/CONTAINER TRANSPORTER, 22-1/2 TON M871A2 (NSN 2330-01-294-3367)

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HEADQUARTERS, DEPARTMENT OF THE ARMY

28 September 1990

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No. 9-2330-386-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
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OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LiST)

SEMITRAILER, TACTICAL, DUAL PURPOSE, BREAKBULK/CONTAINER TRANSPORTER, 22-1/2 TON M871A2 (NSN 2330-01-294-3367)

Current as of 27 July 1990.

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, US Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

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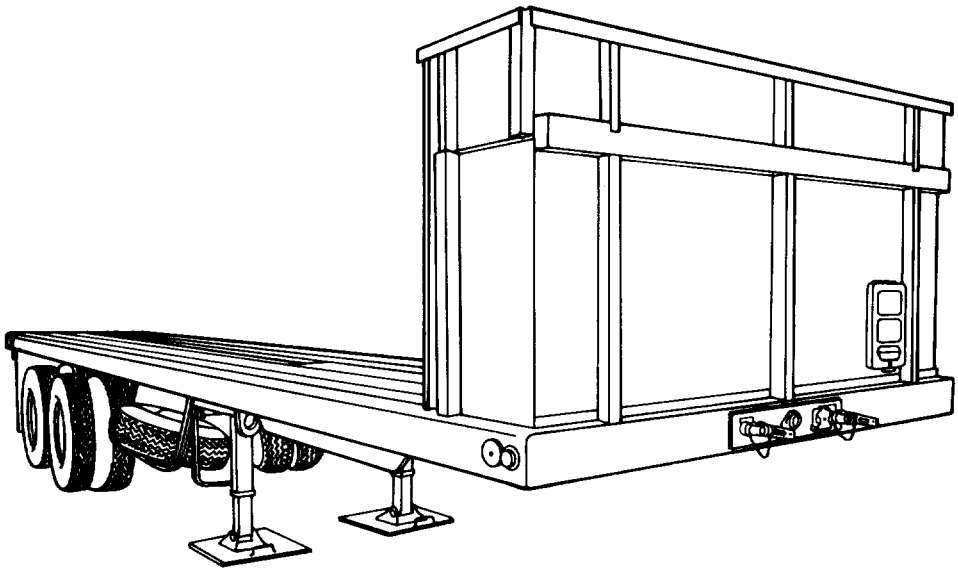
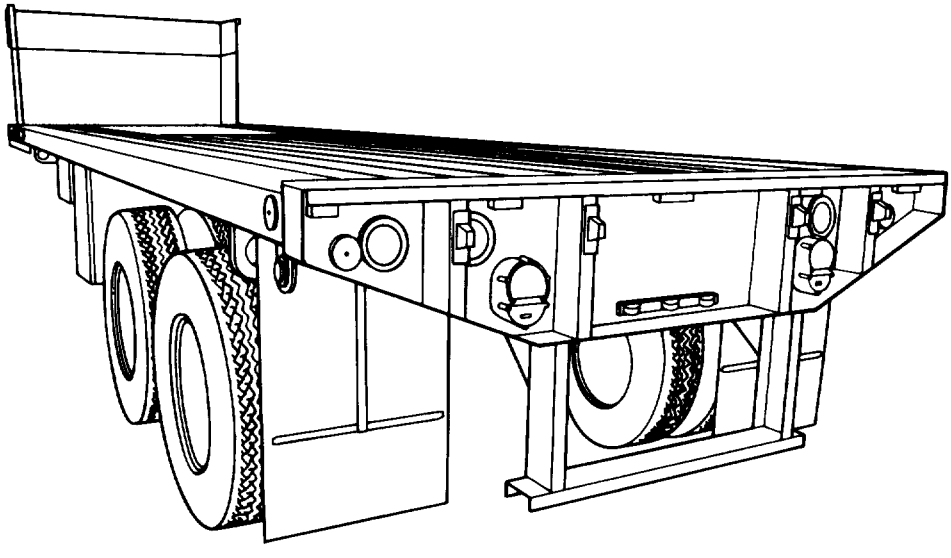


Right Front View



Left Rear View

M871A2 Semitrailer

CHAPTER 1

INTRODUCTION

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1-1 SCOPE.

a. **Type of Manual.** Operator-s, Organizational, Direct Support, and General Support Maintenance Manual (Including Repair Parts and Special Tools List).

b. **Model Number and Equipment Name.** M871A2 Semitrailer, Tactical, Dual Purpose, Breakbulk/Container Transporter, 22-1/2 Ton.

c. **Purpose of Equipment.** The semitrailer is for use in transporting containerized American National Standard Institute/International Organization for Standardization (ANSI/ISO) or breakbulk cargo on highways or off roads.

d. **Special Limitations on Equipment.** Do not exceed the load and speed limitation of the semitrailer. The semitrailer is designed to be towed over smooth, hard-surfaced roads with loads up to 22 l/2-tons at speeds as high as 55 mph. It can also be towed over unimproved roads, trails and open rolling terrain with loads up to 22 l/2-tons at a sustained speed of 10 mph. The semitrailer should be operated only after being serviced and equipped for existing climatic conditions.

1-2 MAINTENANCE FORMS AND RECORDS.

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 (TAMMS).

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

Procedures for destruction of Tank-Automotive equipment to prevent enemy use are contained in TM 750-244-6.

1-4 PREPARATION FOR STORAGE OR SHIPMENT.

See paragraph 4-54 for storage and shipment information.

1-5 REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

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 or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Tank-Automotive Command, Attn: AMSTA-MP, Warren, MI 48397-5000. We'll send you a reply.

1-6 WARRANTY INFORMATION.

The manufacturer warrants the M871A2 semitrailer main frame for defects in material and workmanship for a period of 18 months from the date of Government acceptance.

Section II. EQUIPMENT DESCRIPTION

1-7 EQUIPMENT CAPABILITIES AND FEATURES (CONT).

WARNING

Under no circumstances shall speeds exceed the following:

Highway	55 mph
Gravel/Dirt	20 mph
Off-Road	10 mph

Failure to observe the above may result in personnel injury and damage to equipment.

1-8 LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

a. Right Front of Semitrailer.

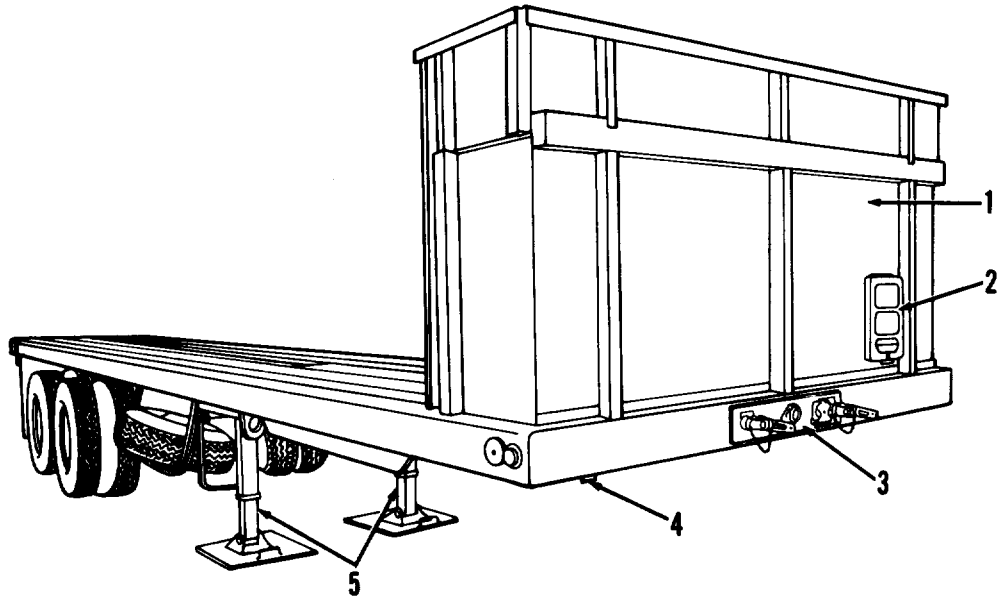
(1) BULKHEAD PANEL - Constructed of steel. It has the manifest box mounted on the front side. When carrying breakbulk cargo with the side racks installed, it will keep the load from shifting forward.

(2) MANIFEST BOX - Used to store the cargo manifests.

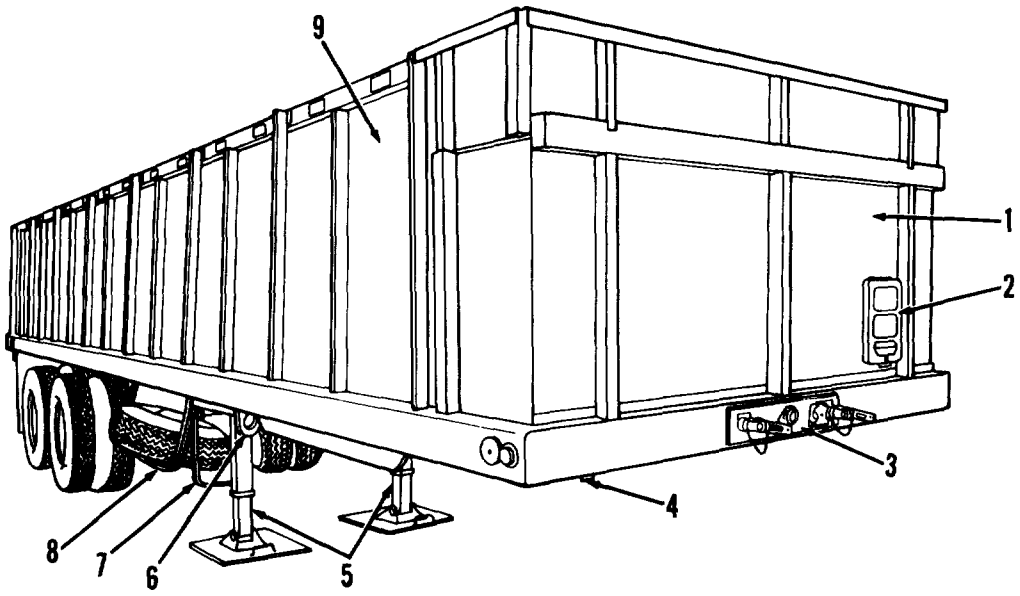
(3) NOSE PLATE - Contains the electrical and air line connections. The nose plate also contains the electrical parts required for proper operation of the service lights.

(4) KINGPIN - Connects the semitrailer to the fifth wheel of the towing vehicle.

(5) LANDING LEGS - Manually extended when the semitrailer is uncoupled from the towing vehicle, and manually retracted when the semitrailer is coupled to the towing vehicle.



1-8 LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (CONT) .



(6) LIFT POINTS - Used to lift the semitrailer with a sling hoist.

(7) LANDING GEAR AND CRANK - Two speed gear box for ease in extending or retracting landing legs.

(8) TIRE CARRIER - Carries the spare tire.

(9) SIDE RACKS - Used when carrying breakbulk cargo. The side racks mount to the frame.

b. **Left Rear of Semitrailer.**

(1) FLOOR - Constructed of wood. It is screwed to the frame for easy maintenance.

(2) RUBBER BUMPERS - Prevent damage to the semitrailer and the dock when loading or unloading.

(3) SERVICE LIGHTS - Includes the clearance, composite (blackout stop light and tail light), and stop, turn and tail lights.

(4) BUMPER - Prevents damage to the suspension when backing the semitrailer into the dock.

(5) MUD FLAPS - Keep mud and water from being splashed off the rear tires during rainy weather. Mud flaps also keep most of the rocks thrown up when traveling unimproved roads from being thrown off to the rear.

(6) WHEEL CHOCKS - Stored on both sides of the semitrailer. Used to chock the wheels when the towing vehicle is uncoupled, to prevent movement.