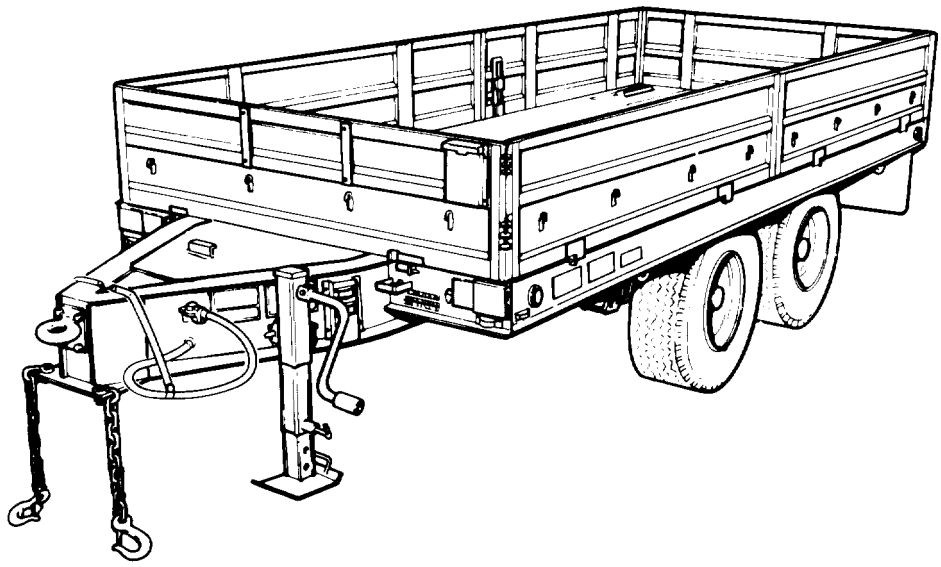
TECHNICAL MANUAL

Operator's, Organizational, Direct Support, and General Support Maintenance Manual (Including Repair Parts and Special Tools List)

for

TRAILER, AMMUNITION, HEAVY EXPANDED MOBILITY, 11 TON, M989

(2330-01-109-4258)



HEADQUARTERS, DEPARTMENT OF THE ARMY

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TECHNICAL MANUAL

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DEPARTMENT OF THE ARMY
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Operator's, Organizational, Direct Support, and General Support Maintenance Manual with Repair Parts and Special Tools Lists

(2330-01-109-4258)

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.

Current as of 8 May 1991

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CHAPTER 1

INTRODUCTION

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1-1. SCOPE

a. Type of Manual: Operator's, organizational, direct support, and general support maintenance (including repair parts and special tools list (RPSTL)).

b. Model Numbers and Equipment Name: M989 – Heavy Expanded Mobility Ammunition Trailer (HEMAT), 11 Ton.

c. Purpose of Equipment: Designed for transporting 22,000 pounds (9979.2 kg) of payload.

(1) Four evenly distributed MLRS pods side by side, two high or

(2) Eight 40 by 48 inch ammunition pallets.

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 (TAMMS).

1-3. HAND RECEIPT (–HR) MANUALS

Hand receipt manual is not required for this equipment.

14. DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE

Refer to TM 750-244-6,

1-5. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your HEMAT 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 us at U.S. Tank Automotive Command AMSTA-MP. We'll send you a reply.

1-6. WARRANTY

The M989 HEMAT Trailer is warranted by the Beta Manufacturing Company, parts only, for a period of 12 months after the Government acceptance date. For further warranty provisions and for instructions on filing warranty claim, see Appendix I.

1-7. PREPARATION FOR STORAGE OR SHIPMENT

Refer to Chapter 5, Section IV.

1-8. SAFETY, CARE, AND HANDLING

Refer to TM9-1300-206 for general ammunition care, handling, and safety.

1-9. LIST OF ABBREVIATIONS

The following abbreviations are used in this technical manual:

HEMAT	Heavy Expanded Mobility Ammunition Trailer
HEMTT	Heavy Expanded Mobility Tactical Truck
LH	left hand
MLRS	Multiple Launch Rocket Systems
RH	right hand
SPLL	Self Propelled Loader Launcher

1-10. METRIC UNITS

The equipment described herein is non-metric and does not require metric common or special tools; therefore, metric units are not supplied. Tactical instruction will include metric units in addition to English units. Clarity of instruction is not impaired.

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1-11. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

- Can be towed by HEMTT and SPLL.
- Can carry up to 22,000 pounds (9972.2 kg) of munitions cargo at 50 mph (80.5 kph) highway only.
- Gates may be installed or removed.
- Has blackout lights.
- Has jackknife warning indicators.

1-12. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

a. Coupler(1). Attaches to towing vehicle pintle for towing operations.

b. Safety Chains (2). Attach to towing vehicle to prevent breakaway.

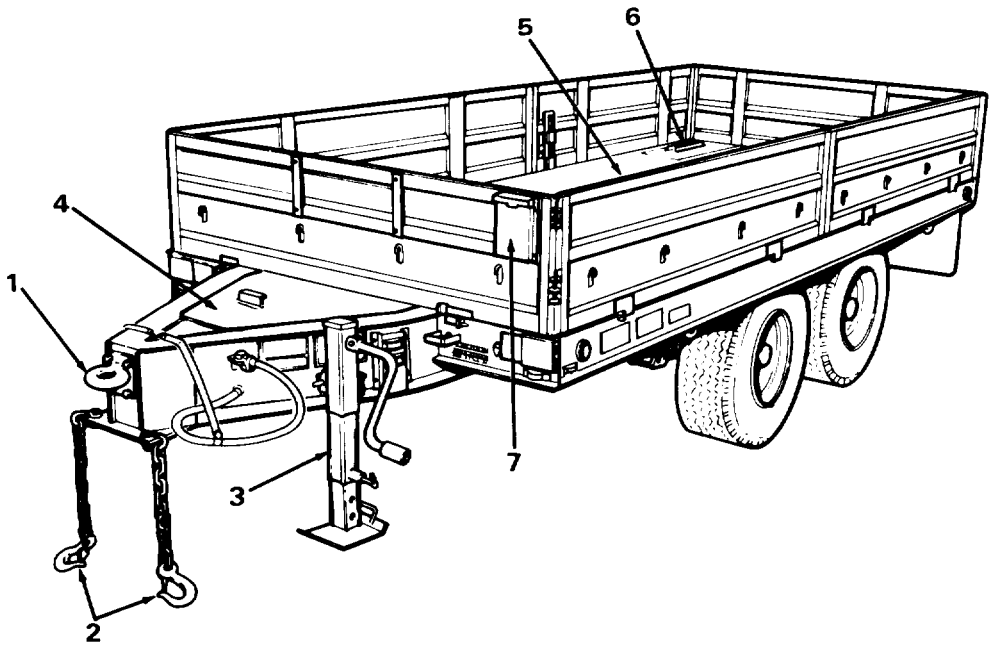
c. Landing Gear (3). Supports front end of HEMAT when not connected to towing vehicle. Stowed in the horizontal position when HEMAT is hooked up.

d. Storage Box (4). For storage of intervehicular air hoses and cable, fire extinguisher, SPLL adapter, lug wrench and other tools. Cover hinged in rear, located forward in tongue. Provided with support strut to hold in open position and latch.

e. Tie Down Rings (5). Used to secure cargo. Are recessed in frame pockets.

f. Pod Stops (6). One in each comer of the bed to permit anchoring MLRS pods.

g. Manifest Holder (7). Used to store cargo manifests.



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