

TECHNICAL MANUAL

**TRANSPORTABILITY GUIDANCE
ARMORED COMBAT EARTHMOVER, M9
(NSN 2350-00-808-7100)**

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This manual supersedes TM-2350-262-14, 28 March 1986.

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TRANSPORTABILITY GUIDANCE

ARMORED COMBAT EARTHMOVER, M9 (NSN 2350-00-808-7100)

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CHAPTER 1

INTRODUCTION

1-1. Purpose and Scope

a. This manual provides transportability guidance for logistical handling and movement of the M9 Armored Combat Earthmover (ACE). It contains information considered appropriate for safe transport of the item. Included are significant technical and physical characteristics with safety considerations required for worldwide movement by the various transportation modes. Where considered necessary, metric equivalents are given in parentheses following the dimension or other measurement.

b. This manual is intended for transportation officers and other personnel responsible for providing movement or transportation services.

1-2. Safety

Appropriate precautionary measures required during movement of the item are contained in chapter 3.

1-3. Definitions of Warnings, Cautions, and Notes

Throughout this manual, warnings, cautions, and notes emphasize important or critical guid-

ance. They are used for the following conditions:

a. *Warning.* Instructions, that if not followed, could result in injury to or death of personnel.

b. *Caution.* Instructions, that if not strictly observed, could result in damage to or destruction of equipment.

c. *Note.* An operating procedure or condition that must be emphasized.

1-4. Reporting of Publication Improvements

Users of this manual are encouraged to submit comments and recommended changes for its improvement. Comments and recommendations should be prepared on DA Form 2028 (Recommended Changes to DA Publications and Blank Forms) and forwarded to Director, Military Traffic Management Command Transportation Engineering Agency, ATTN: MTTE-TRV, 720 Thimble Shoals Blvd. PO Box 6276, Newport News, VA 23606-0276. Electrically transmitted messages should be addressed to DIR MTMCTEA FT EUSTIS//MTTE-TRV//.

CHAPTER 2

TRANSPORTABILITY DATA

Section 1. GENERAL

2-1. Scope

This chapter provides a general description and identification of the M9 ACE (fig 2-1), as well as tabulated transportability characteristics that are necessary in movement of the item.

2-2. Description

a. General. The M9 ACE tractor is a full-tracked (hard rubber), armored amphibious, multipurpose combat engineer vehicle capable of performing tilt and straight dozing, scraping, rough grading, and hauling. The tractor features a front-loaded scraper bowl (ballast compartment), hydraulically

operated apron, and positive-load ejector. Dozing and scraping are accomplished by raising and lowering the entire front of the vehicle by means of the hydropneumatic suspension system. This dozer/scrapper tractor is powered by a 295-horsepower diesel engine. The M9 ACE has six forward and two reverse gears and is operated only by the driver.

2-3. Transportability Drawings

Detailed side- and end-view transportability drawings of the M9 ACE, with dimensions and tiedown and lift provision load-rating capacities, are shown in figures 2-2 through 2-4.

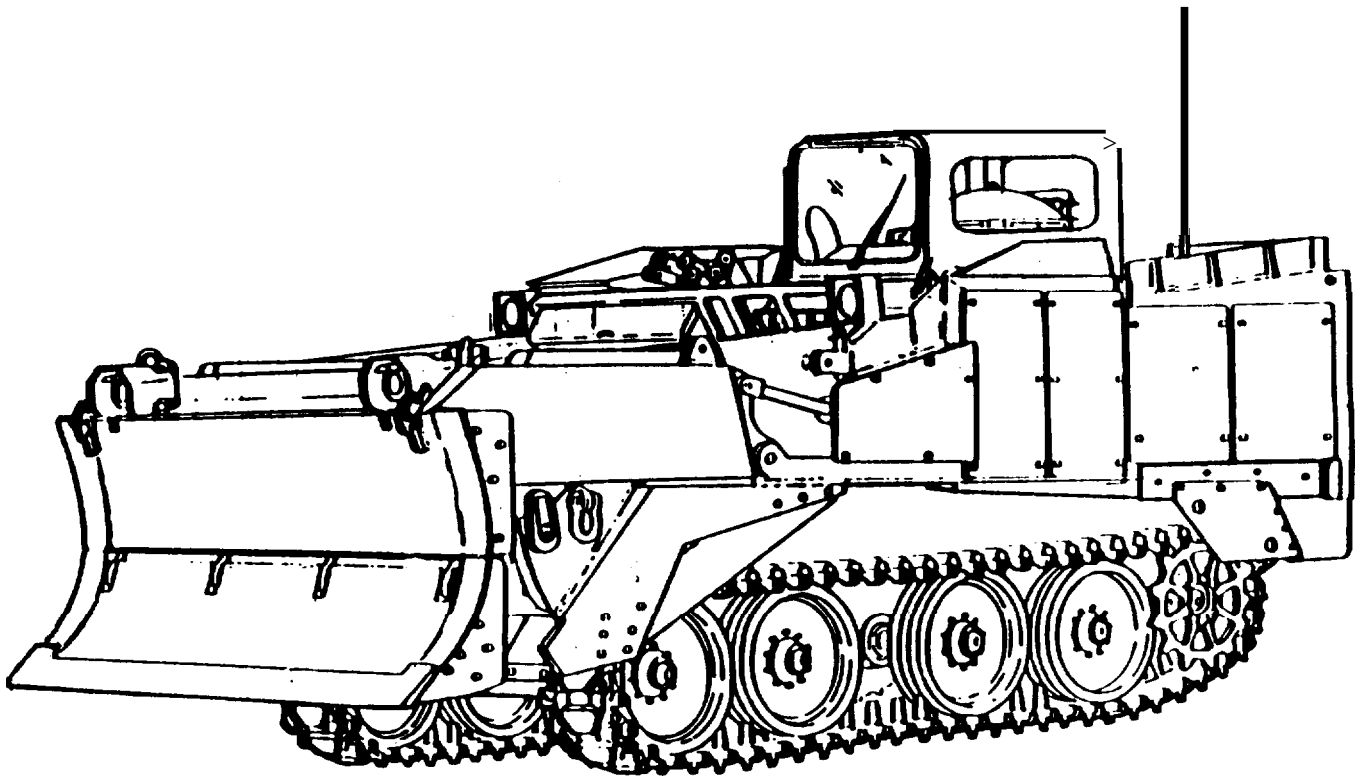


Figure 2-1. Armored Combat Earthmover, M9.