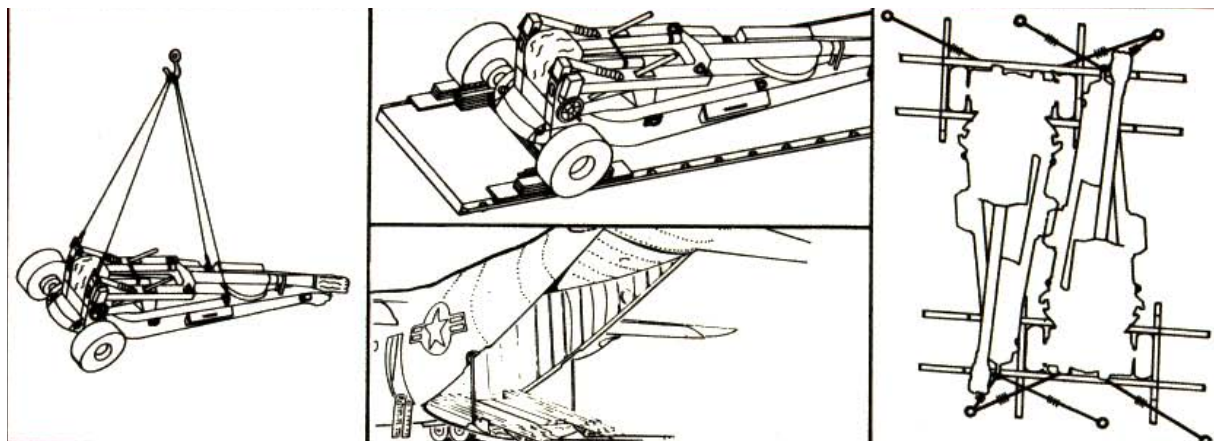




**Technical Manual**

**Transportability Guidance**

**Transporting the Howitzer, Medium,**

**Towed, 155-MM, M198**

**(NSN 1025-01-026-6648)**

**By**

**Air, Highway, Water and Rail**

TECHNICAL MANUAL

NO. 55-1025-211-14

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, DC  
1 September 1979

## TRANSPORTABILITY GUIDANCE

TRANSPORTING THE HOWITZER, MEDIUM, TOWED, 155-MM, M198  
(NSN 1025-01-026-6648)

BY

AIR, HIGHWAY, WATER, AND RAIL

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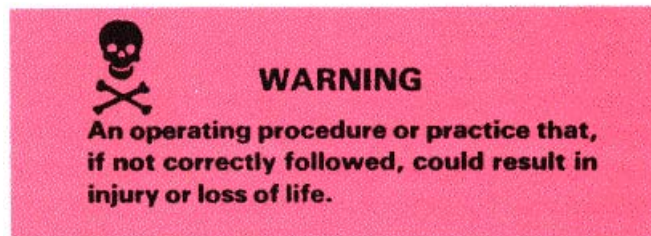
## CHAPTER 1

### Introduction

**Scope:** This manual provides instructions for the safe transport of the M198 towed howitzer by air, highway, rail, and water. These instructions are applicable in CONUS as well as for worldwide transport.

**Purpose:** This manual is primarily for use by personnel who will be directly involved in the hands-on loading for transport of the M198 howitzer. It is also intended for use by transportation officers and others responsible for the safe and efficient transport of the M198 howitzer.

**Warnings, Cautions, and Notes:** Warnings, cautions, and notes are used throughout this manual to emphasize important or critical guidance. They are used for the following conditions.



### **CAUTION**

**An operating procedure or practice that, if not strictly observed, could result in damage to or destruction of equipment.**

### **NOTE**

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

## **PREPARING THE HOWITZER FOR TRANSPORT**

Except for tactical highway towing and tactical transport on C-5 aircraft, the howitzer will be transported in the stowed position with the gun tube locked in the stowage bracket. Wire-tie the pin that locks the gun tube stowage bracket so that the pin cannot come out during transit. Remove and stow all loose equipment.

### **FEEDBACK**

Users of this manual are asked to recommend changes and submit comments for its improvement. Comments should be prepared on DA Form 2028-2 (Recommended Changes to Equipment Technical Manuals) and forwarded to Commander, Military Traffic Management Command Transportation Engineering Agency, ATTN: MTT-TRA (C. Henderson), PO Box 6276, Newport News, Virginia 23606-0276 (electrically transmitted messages should be addressed to: CDRMTMCTEA FT EUSTIS VA/MTT-TRA/). For your convenience, a DA Form 2028-2 is included in the back of this manual.

## CHAPTER 2

### General Description

**Scope:** This chapter provides a general description of the Howitzer, Medium, Towed, 155-mm, M198, including drawings, dimensions, and weight. This information is essential to the successful transportation of the M198 howitzer by any of the transport modes.

**Description:** The Howitzer, Medium, Towed, 155-mm, M198, also referred to in this manual as the howitzer, is a single-axle, carriage-mounted weapon. It is towed by the 5-ton cargo truck, M813 or M813A1, or by an M939-series truck. TM 55-2320-260-15-1 contains transportability guidance for the M813 and M813A1 cargo trucks. TM 55-2320-272-14-1 contains transportability guidance for M939-series trucks.

**Dimensions, Weight, and Volume:** Metric equivalents are given in parentheses after dimensions or other measurements.

|                                                                             |                                            |
|-----------------------------------------------------------------------------|--------------------------------------------|
| Model:                                                                      | M198                                       |
| National stock number:                                                      | 1025-01-026-6648                           |
| Line item number:                                                           | K57821                                     |
| Type classification:                                                        | Standard                                   |
| Length                                                                      | 492.5 inches (12.51 m)                     |
| Length, reduced*                                                            | 293.0 inches (7.44 m)                      |
| Width, wide tires                                                           | 110.0 inches (2.79 m)                      |
| Width, narrow tires                                                         | 100.0 inches (2.54 m)                      |
| Height                                                                      | 84.0 inches (2.13 m)                       |
| Volume, reduced*                                                            | 1,550.7 cubic feet (43.90 m <sup>3</sup> ) |
| Axle weight                                                                 | 12,250 pounds (5566.6 kg)                  |
| Weight on pintle                                                            | 3,500 pounds (1587.6 kg)                   |
| Total weight                                                                | 15,750 pounds (7144.2 kg)                  |
| Tire pressure, wide tires                                                   | 45 psi                                     |
| Tire pressure, narrow tires                                                 | 110 psi                                    |
| *Short stow configuration (muzzle over trails) with muzzle brake installed. |                                            |