

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**TRANSPORTABILITY GUIDANCE
RECOVERY VEHICLE, FULL-TRACKED
LIGHT-ARMORED, M578**

Headquarters, Department of the Army, Washington, D.C.

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1. Purpose and Scope

a. This manual provides transportability guidance for movement of the Recovery Vehicle, Full-Track, Light-Armored, M578 (fig. 1). It covers significant transportability and safety considerations in the movement of the item by the various modes of transport. Included are side-and-end-elevation drawings (figs. 2 and 3) and characteristics of the item.

b. Users of this manual are encouraged to submit recommended changes and comments for its improvement. Comments should be keyed to the specific page, paragraph, and line of the text in which the change is recommended. Reasons should be provided for each comment to insure understanding and complete evaluation. Comments should be forwarded direct to the Commanding Officer, U. S. Army Transportation Engineering Agency, Military Traffic Management and Terminal Service, ATTN: MTT-TG, Fort Eustis, Va., 23604.

2. Description

The M578 recovery vehicle is a low-silhouette, full-tracked, light-armored vehicle designed to pick up or tow a disabled vehicle from a field of operation. It is powered by a diesel engine.

The boom, boom winches, and vehicle towing winch are powered by hydraulic motors driven off the main engine. The boom will traverse a full 360°, enabling the vehicle to be used as a crane. The crew consists of a driver, crane operator, and rigger.

3. Modes of Transport

(Figures in parentheses throughout this manual are metric equivalents.)

a. Shipment by Air.

- (1) The item is not transportable by U.S. Army aircraft.
- (2) Based on a typical logistical mission of 2,500 nautical miles (4630 km), one way, the item is within the dimensional and weight capabilities of the C-133 series U.S. Air Force aircraft.
- (3) Based on a typical logistical mission of 1,000 nautical miles (1825 km), one way, the item is within the dimensional and weight capabilities of the C-124 and C-133 series U.S. Air Force aircraft.

Note. The maximum U.S. Air Force aircraft cargo weight and range capabilities are based on the following conditions:

Standard day conditions

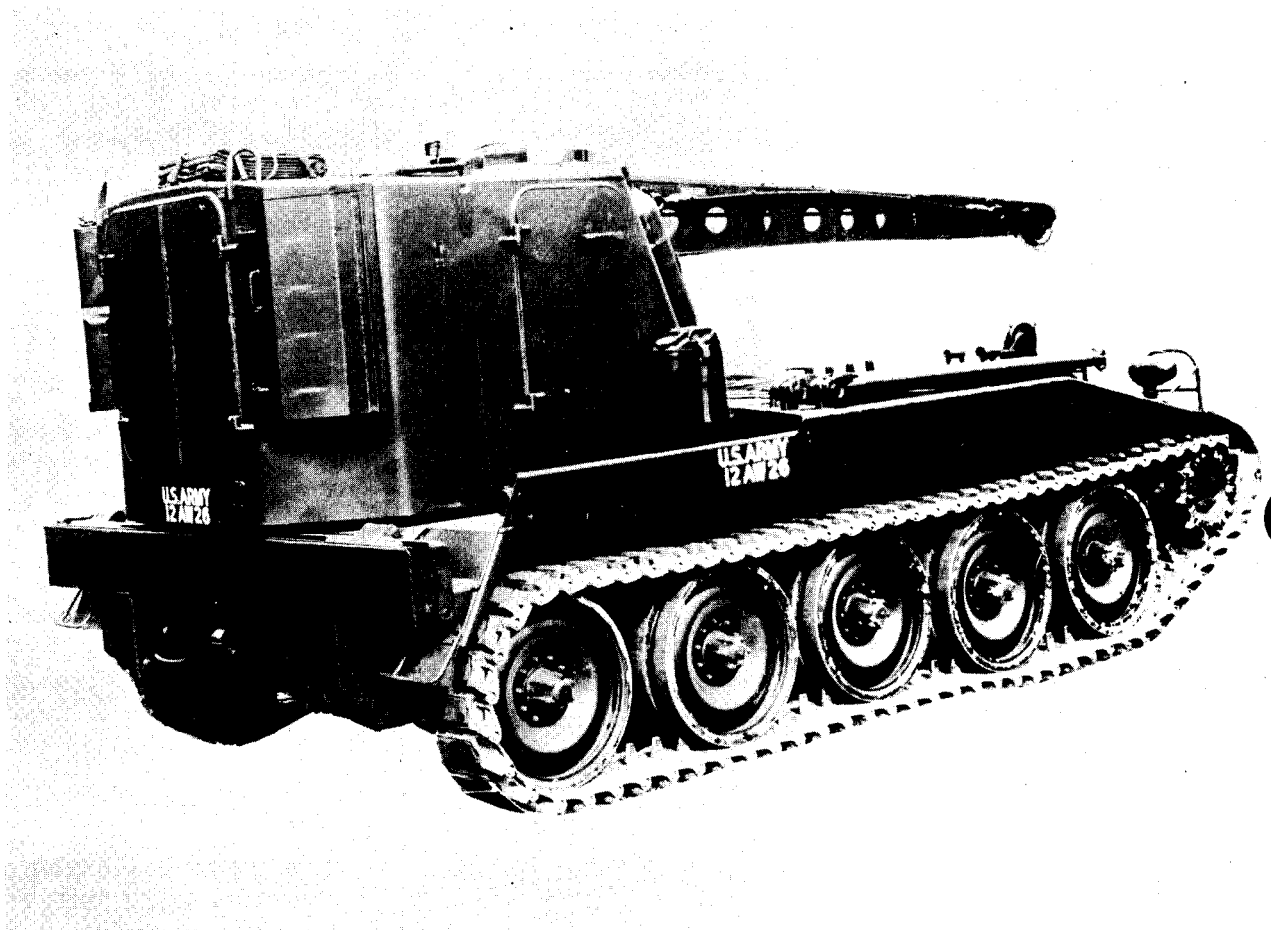
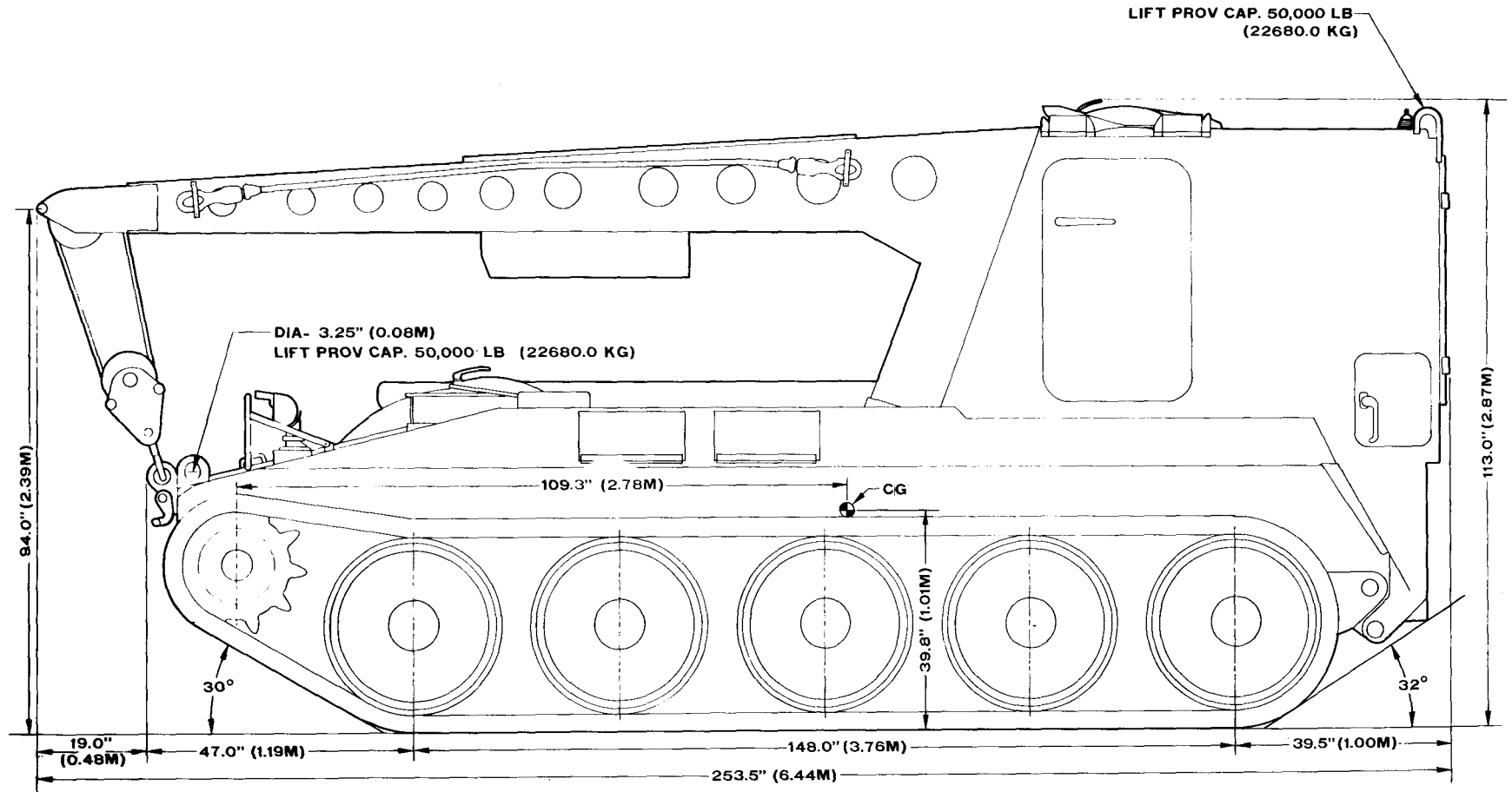


Figure 1. Recovery vehicle, full-tracked, light-armored, M578.

Figure 2. Side elevation.



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