DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TRANSPORTABILITY GUIDANCE

WATER PURIFICATION EQUIPMENT SET, TRUCK-MOUNTED,

DIATOMITE FILTER, 3,000-GALLON PER HOUR

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 water purification equipment set, truck-mounted, diatomite filter, 3,000-gallon per hour, FSN 4610-2028701 (fig. 1). It covers significant transportability and safety considerations in the movement of the item by the various modes of transport. The M105A2 cargo trailer, which is a component of the set, presents no transportability problems; therefore, it is discussed only where necessary. Included are side- and end-elevation drawings (figs. 2 and 3) and characteristics of the item.

b. Users of this publication 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 to the Director, U.S. Army Transportation Engineering Agency, Military Traffic Management and Terminal Service, ATTN: MTT-TG, Fort Eustis, Va., 23604.

2. Description

The water purification equipment set consists of a truck-mounted van, a 1 1/2-ton cargo trailer, and the other components required to assemble a portable water treatment plant. The set is available with winch (WWN) or without winch (WOWN). The trailer is used for transporting those components of the set that cannot be stowed inside the van. See paragraph 6 for characteristics of the set.

Note. For shipment by air, the dimensional and weight characteristics of the cargo trailer are considered in this manual; other modes of transport for the trailer are not included. See paragraph 6 for measurements and weight of the cargo trailer.

3. Modes of Transport

a. Shipment by Air.

(1) The item cannot be transported by U.S. Army aircraft.

(2) Based on a typical logistical mission of 2,500 nautical miles (4630 km), one way, the item can be transported by U.S. Air Force aircraft as follows:

(a) Not sectionalized, with winch, with trailer: C-133-series U.S. Air Force aircraft.

(b) Not sectionalized, with winch, without trailer: C-124C and C-133 series U.S. Air Force aircraft.

(c) Sectionalized (para 4), with winch, with trailer (trailer at reduced

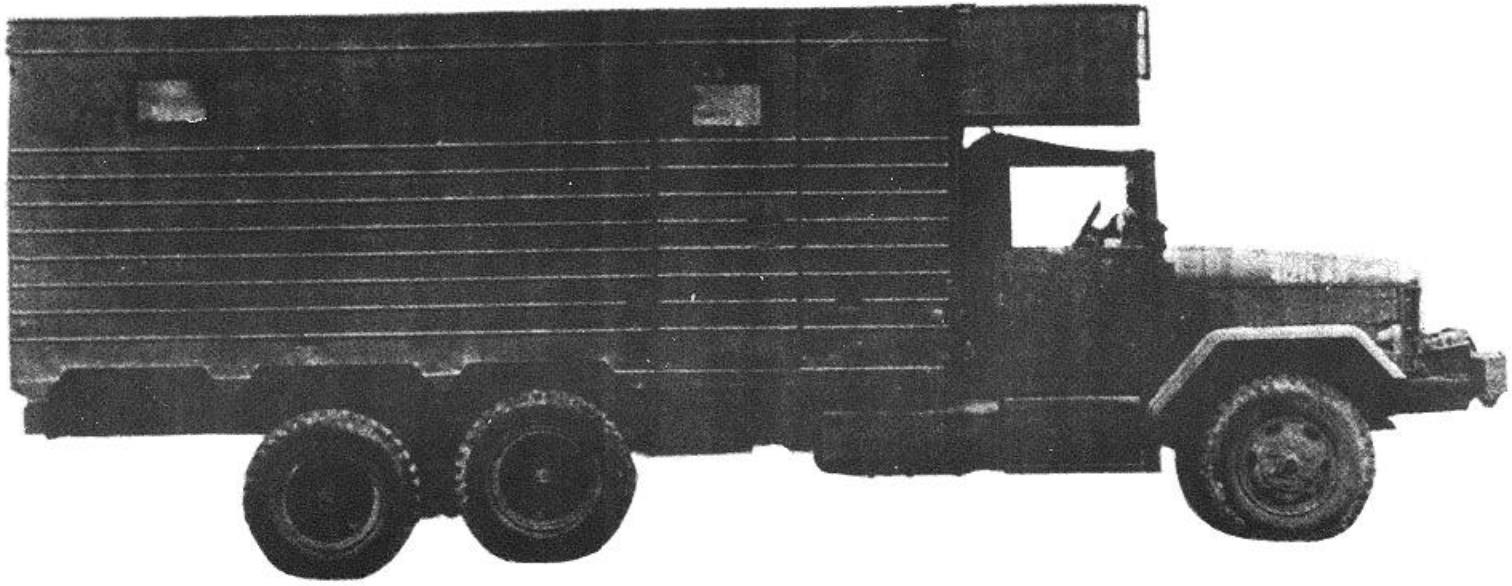

Figure 1. Water purification equipment set, truck-mounted, diatomite filter, 3,000-gallon per hour (shown with winch).

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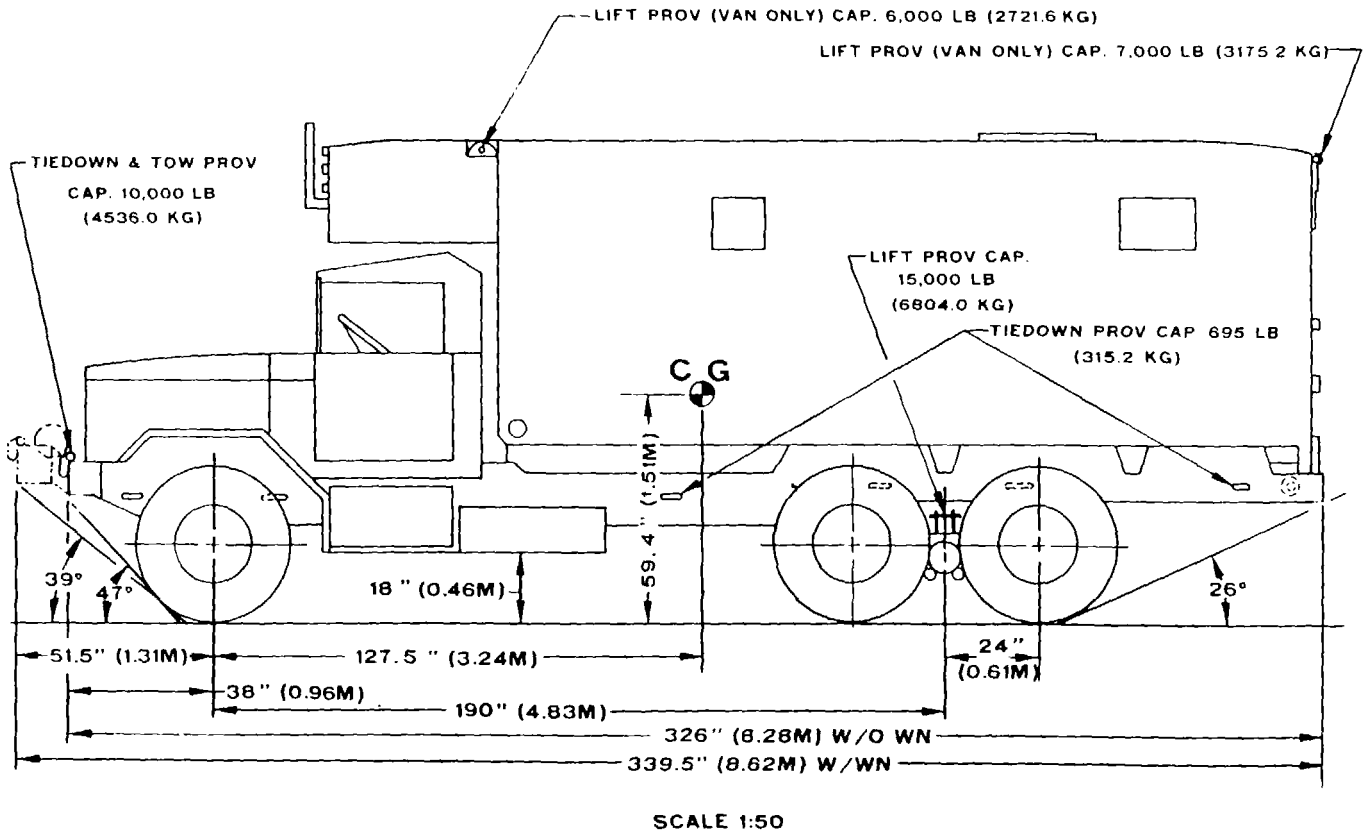

Figure 2. Side elevation.