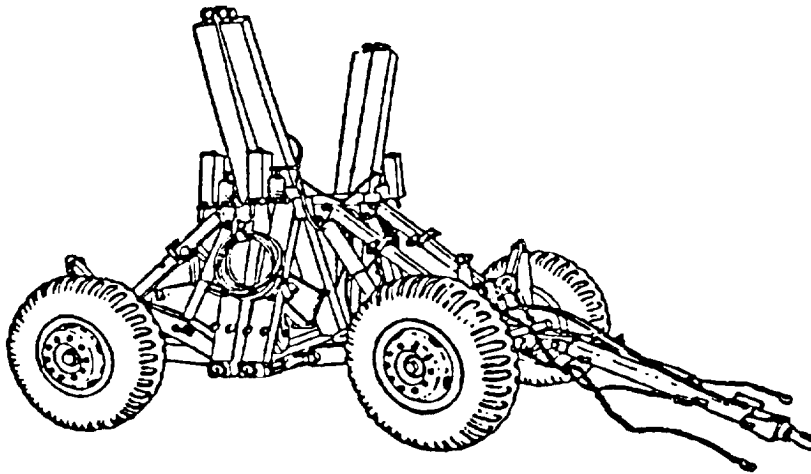


**Operator's, Unit, Direct Support, and
General Support Maintenance Manual
(Including Repair Parts and Special Tools Lists)**

**DOLLY SET, LIFT, TRANSPORTABLE
SHELTER, 7 1/2-TON, M1022
(NSN 2330-01-167-7262)**



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HEADQUARTERS, DEPARTMENT OF THE ARMY

15 DECEMBER 1988

OPERATOR'S, UNIT,
DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS)

DOLLY SET, LIFT, TRANSPORTABLE SHELTER, 7 1/2-TON, M1022
(NSN 2330-01-167-7262)

Current as of December 1988

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find 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 back of this publication, direct to: US Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

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CHAPTER 1
INTRODUCTION

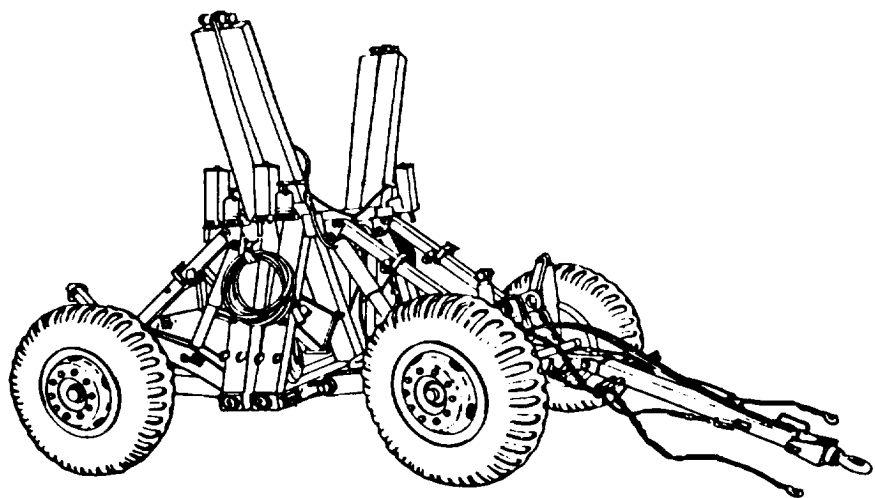
OVERVIEW

The purpose of this chapter is to give you information on the 7 1/2-ton, transportable shelter dolly set size, shape, features, major equipment, and how it works.

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Section I GENERAL INFORMATION

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SCOPE

Type of Manual: Operator's, Unit, Intermediate Direct Support, and Intermediate General Support Maintenance Manual (Including Repair Parts and Special Tools Lists).

Equipment Name: Dolly Set, Lift, Transportable Shelter, 7 1/2-Ton, M1022, Composed of: Dolly, Front and Dolly, Rear.

Purpose of Equipment: The dolly set is used to move a transportable International Standards Organization (ISO) shelter.

MAINTENANCE FORMS AND RECORDS

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)

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-6, Procedures for Destruction of Tank-Automotive Equipment to Prevent Enemy Use (US Army Tank-Automotive Command).

PREPARATION FOR STORAGE OR SHIPMENT

Refer to page 4-193.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your dolly set 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. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at US Army Tank-Automotive Command ATTN: AMSTA-MP, Warren, MI 48397-5000. We will send you a reply.

Section II EQUIPMENT DESCRIPTION AND DATA

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EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

Characteristics

The dolly set consists of one front dolly for attaching to the International Standards Organization (ISO) shelter front and one rear dolly for attaching to the ISO shelter rear.

The dolly set can operate with either a 12- or 24-volt direct current (VDC) electrical system power supply.

The rear dolly has a non-quick release towing pintle assembly.

The dolly set can raise and lower the transportable ISO shelter by means of hand-operated hydraulic pumps and two hydraulic lift cylinders on each dolly. Provisions are also available to operate the hydraulic pumps from air motors included with the hydraulic pump assemblies.

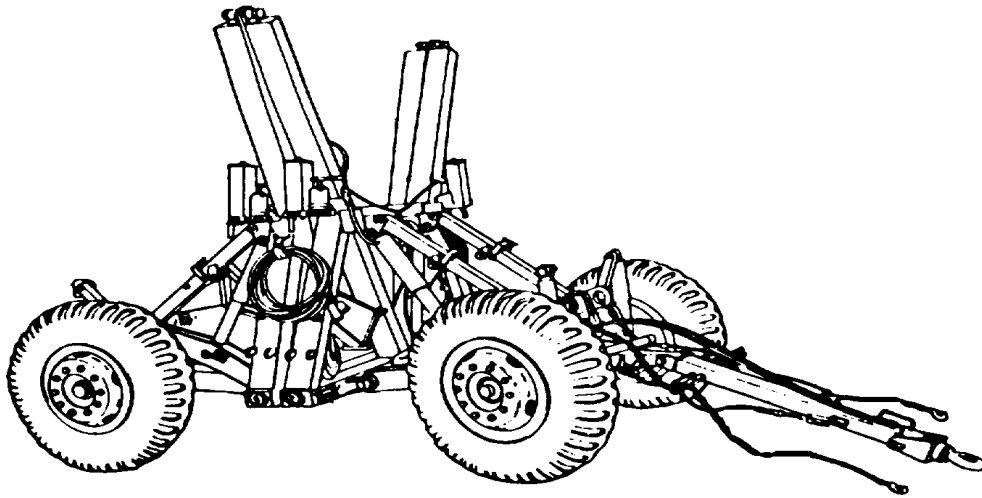
The front dolly has a toolbox containing four upper lock pins, four lower lock lugs, four pump handles, one air chuck hose assembly, two sockets, two strap assemblies, one strong arm, four nuts, two plugs, and two wrenches. The intervehicular wiring harnesses and air hose assemblies are coiled and secured to both the curbside and roadside of the rear dolly. A pneumatic hose to be used for connecting the air motors (on the hydraulic pumps) to a suitable air supply is also stowed on the front dolly.

Capabilities and Features

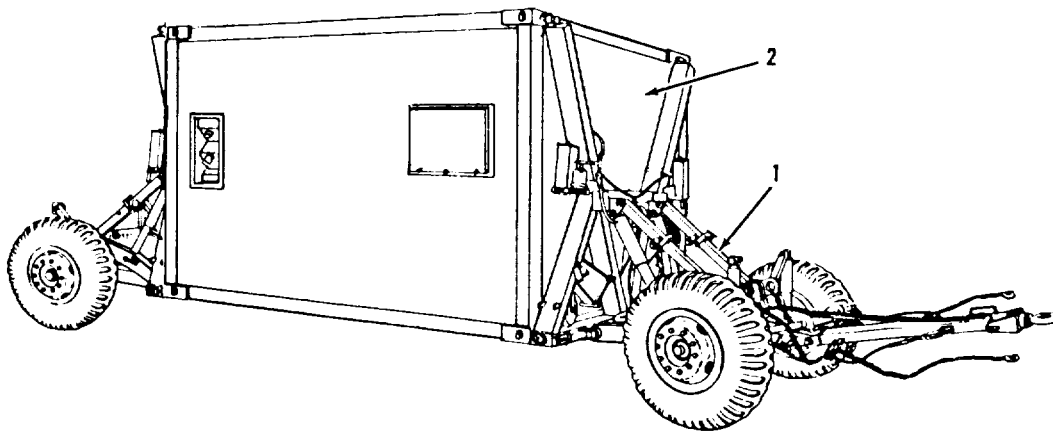
Towing speed limitations are as follows:

- Highway: 55 mph (88 kph)
- Cross-country: 15 mph (24 kph)

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES - CONTINUED

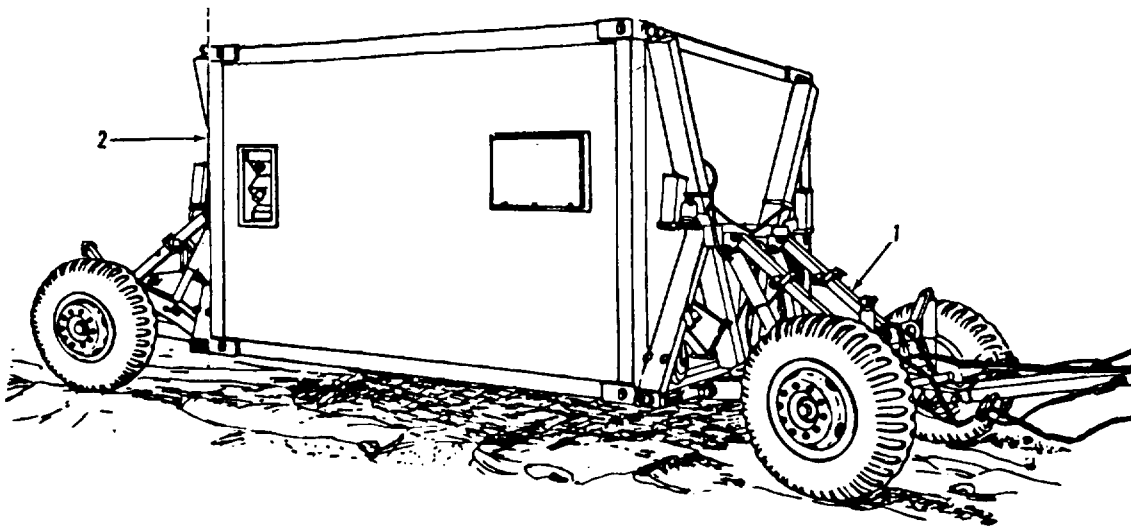


The M1022 dolly set can be transported or stored while coupled together.



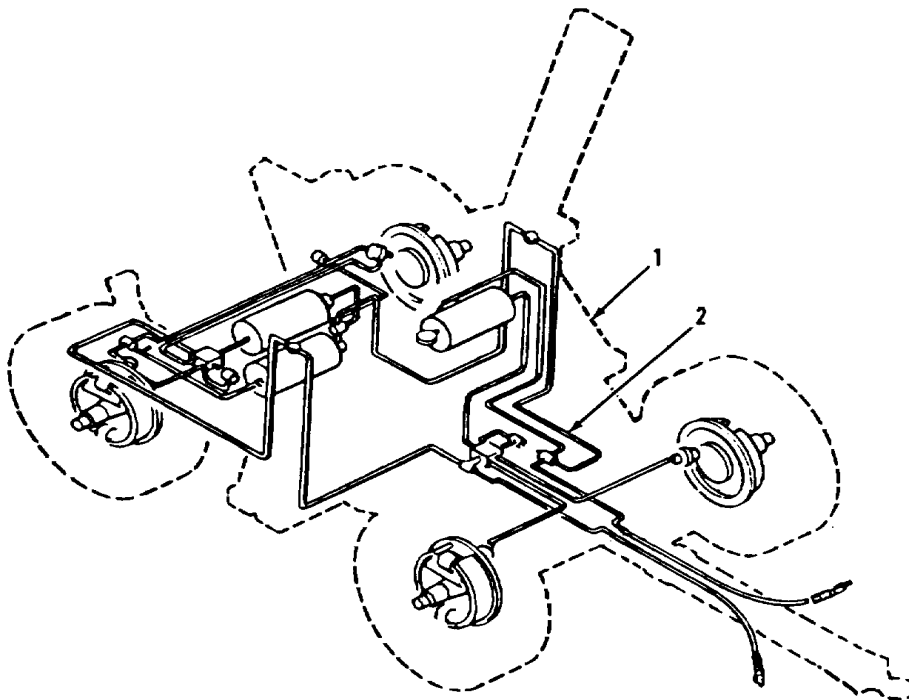
The M1022 dolly set (1) can be used to move a transportable ISO shelter (2).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES - CONTINUED



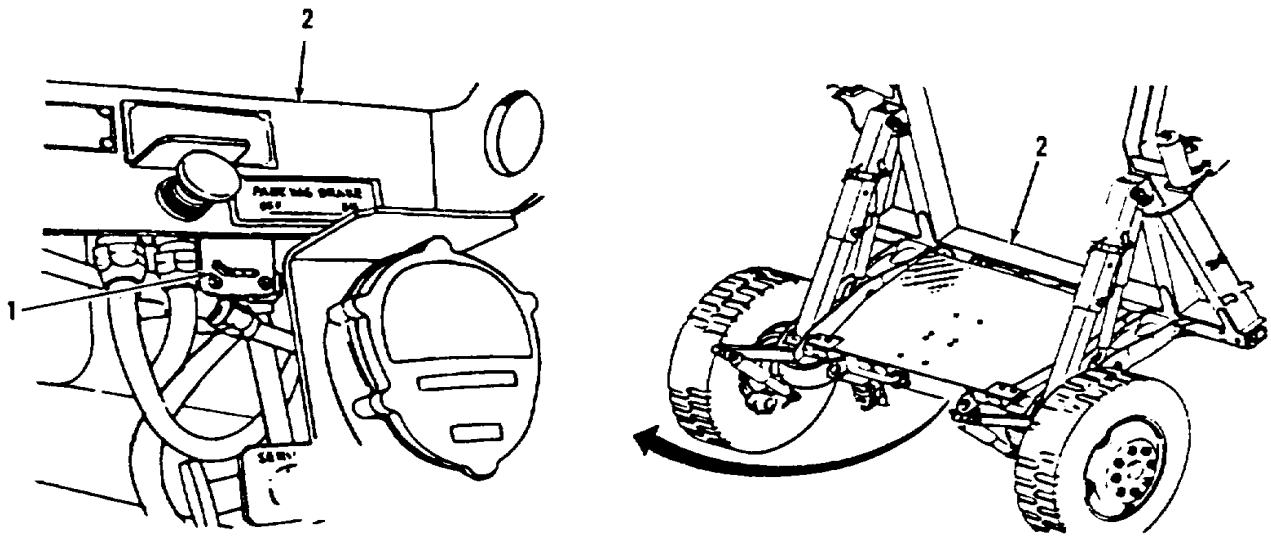
The M1022 dolly set (1) can be used to level a shelter (2) on uneven ground.

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

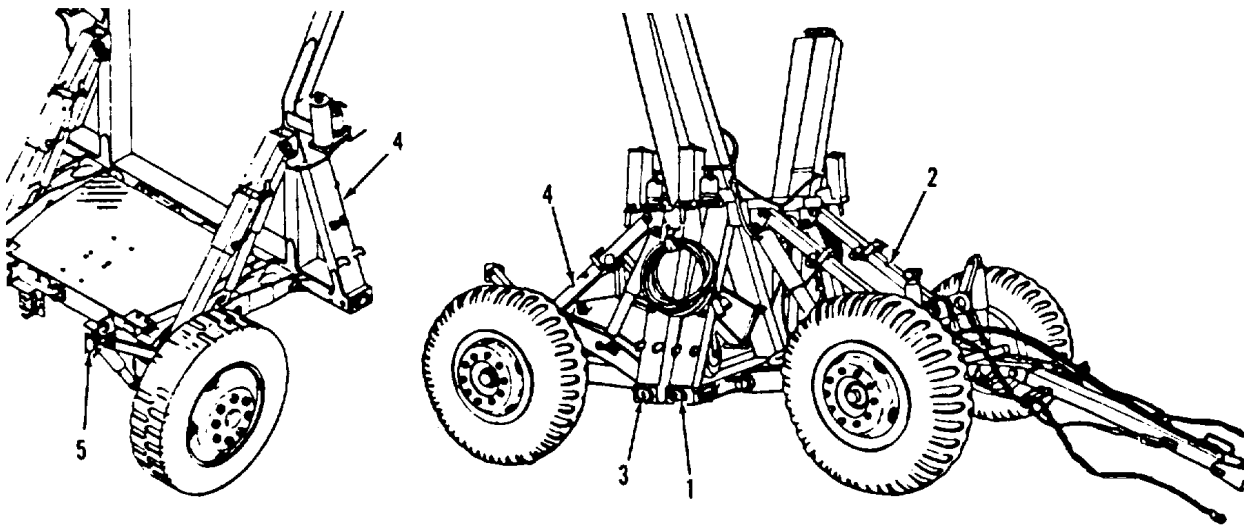


The M1022 dolly set (1) has a straight air braking system (2).

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS - CONTINUED



The M1022 dolly set has a mechanical parking brake (1) on the rear dolly (2).



The M1022 dolly set has one amber reflector (1) on each side of the front dolly (2) and one red reflector (3) on each side of the rear dolly (4). In addition, the rear dolly (4) contains two red reflectors (5), one on each side of the lower portion of the rear dolly. The dolly set is equipped (on the rear dolly) with two, composite 12-volt light assemblies, each consisting of a stop and turn signal, taillight, blackout marker and blackout stoplight.