

**TECHNICAL MANUAL
OPERATOR AND ORGANIZATIONAL
MAINTENANCE MANUAL
FOR**

**TRUCK, LIFT, FORK, DIESEL ENGINE,
PNEUMATIC TIRED WHEELS,
ROUGH TERRAIN 6,000 LB. CAPACITY,
24 INCH LOAD CENTER
(ANTHONY MODEL MLT-6,
ARMY MODEL MHE-200)
NSN 3930-00-903-0900,
(CHRYSLER MODEL MLT-6CH,
ARMY MODEL MHE-202)
NSN 3930-00-937-0220,
(ATHEY MODEL ARTFT-6,
ARMY MODEL MHE-222)
NSN 3930-00-419-5744**

This copy is a reprint which includes current
pages from Changes 1 through 3.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL }

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 31 July 1980

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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

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¹ This manual supersedes TM 10-3930-242-12, 24 December 1973, including all changes.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining rough terrain forklift trucks, Army models MHE-200, MHE-202, and MHE-222.

1-2. Maintenance Forms and Records

Equipment maintenance forms, and procedures for their use are contained in DA Pam 738-750.

1-3. Administrative Storage

a. Store equipment to provide maximum protection from the elements and to provide access for inspection, maintenance, and exercising. Anticipate removal or deployment problems and take suitable precautions.

b. Take into account environmental conditions such as extreme heat or cold, high humidity, blowing sand, dust, loose debris, soft ground, mud, heavy snows, and take adequate precautions.

c. Establish a fire plan and provide for adequate fire fighting equipment and personnel.

d. Additional information can be found in TM 740-90-1.

1-4. Destruction of Army Materiel to Prevent Enemy Use

Procedures for the destruction of Army materiel to prevent enemy use are explained in TM 750-244-6.

1-5. Reporting Equipment Improvement Recommendations (EIR)

If your Rough Terrain Fork Lift Truck 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 or performance. Put it on an SF 368 (*Quality Deficiency Report*). Mail it to us at: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-QRD, Warren, MI 48397-5000. We'll send you a reply.

Section II. DESCRIPTION AND DATA

1-6. Description

The rough terrain forklift truck (fig. 1-1 and 1-2) is capable of operating over all types of terrain. It has front and rear axle steering which enables it to move sideways at 20° angles and gives the forklift a shorter turning radius. The forklift can be operated in two-wheel or four-wheel drive, enabling it to travel through mud, snow, sand, and up steep grades with equal mobility. The forklift has fording capability up to five foot waves. The body and forks for the forklift may be tilted right or left in relation to the front axle. The forks are extended by hydraulically operated telescoping arms which reach out, up, or down to handle loads. A hydraulic cylinder moves the forks right or left from center to lift off-center loads. The forklift has expanding tube type hydraulic brakes, hydraulically operated power steering, and a torque converter. The maintenance paragraphs of this manual contain detailed descriptions of its components.

1-7. Tabulated Data

a. *Identification.* The forklift has an identification plate mounted on the left side of the hull which

specifies the nomenclature, shipping dimensions, model number, and engine manufacturer. The data for this plate is listed under tabulated data (b below).

b. Tabulated Data

(1) Corps of Engineers "A" Plate.

Nomenclature. Truck, forklift, diesel, pneumatic tired, 6,000 lb capacity at 24 inch load center

Engine manufacturer. . . . Detroit Diesel

Model 4-53-N

(2) Dimensions and Weights

Cube 1,763cu ft

Length 228 in.

Width 102 in.

Height 131 in.

Weight:

Anthony and Athey

Empty 23,000 lb

Maximum . . . 29,000 lb

Chrysler

Empty 24,759 lb

Maximum . . . 30,759 lb

Front wheel weights:

Empty 8,645 lb

Loaded 16,952 lb

Rear wheel weights:
Empty15,915 lb
Loaded13,608 lb

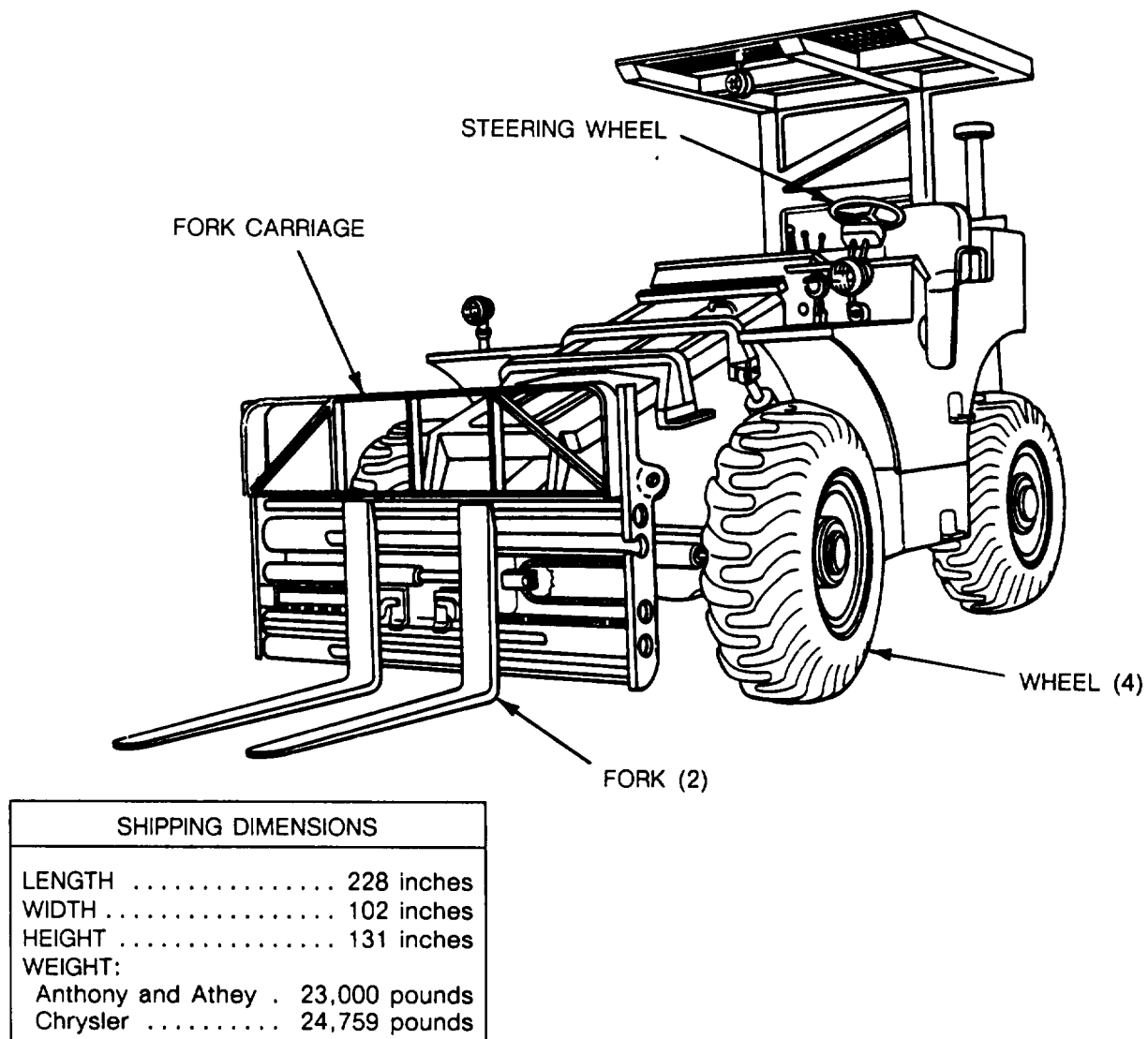
(3) Capacities.

Fuel tank 80 gal
Hydraulic tank 200 qt
Transmission 24 qt
Crankcase w/filter 16 qt
Radiator 25 qt
Planetary drive 4 qt ea
Differential 10 qt ea

(4) Wirng diagram. See figure 1-3.

1-8. Differences Among Models

This manual covers the Anthony Model MLT-6 (MHE-200), the Chrysler Model MLT-6CH (MHE-202), and the Athey Model ARTFT-6 (MHE-222). The differences among models exist in the hydraulic cylinders and the common hardware relative to size, length, and type. Cylinder assembly internal parts are not interchangeable on Anthony and Chrysler models, but are interchangeable on Anthony and Athey models. All hydraulic cylinders are interchangeable between models.



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Figure 1-1. Rough terrain forklift truck, right front three-quarter view with shipping dimensions.