

TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL

MAINTENANCE MANUAL

**TRUCK, LIFT, FORK; DIESEL ENGINE,
PNEUMATIC TIRED WHEELS, ROUGH TERRAIN,
6,000 LB. CAPACITY, 24" LOAD CENTER**

ANTHONY MODEL MIT 6-2

ARMY MODEL MHE-230

NSN 3930-00-327-1575

This copy is a reprint which includes current
pages from Changes 1 and 2.

HEADQUARTERS, DEPARTMENT OF THE ARMY

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ANTHONY MODEL MLT 6-2, ARMY MODEL MHE-230
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REPORTING OF ERRORS

You can help improve this manual by calling attention to errors and by recommending improvements and by stating your reasons for the recommendations. Your letter or DA Form 2028, (Recommended Changes to Publications and Blank Forms) should be mailed direct to Commander US Army Tank-Automotive Command, ATTN: DRSTA-MSP, Warren, MI 48090. A reply will be furnished direct to you. For your convenience, preaddressed DA Forms 2028-2 are included as final pages of this manual.

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining The Anthony Co. Model MLT-6-2 (Army Model MHE-230) wheeled rough terrain fork lift truck. It provides information on the maintenance of the equipment that is within the scope of the tools, equipment, personnel and supplies that are normally available to using organizations.

1-2. Maintenance Forms and Records

Maintenance forms and records that you are required to use are explained in TM 38-750.

1-3. Reporting of Errors

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and by recommending improvements using DA Form 2028 (Recommended Changes to Publications), or by a letter, and mail directly to Commander, U.S. Army Tank Automotive Command, Attn: DRSTA - MSP, Warren, MI., 48090. A reply will be furnished directly to you.

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 750-244-3.

1-5. Administrative Storage

Administrative storage procedures are explained in TM 740-90-1.

Section II. DESCRIPTION AND DATA

1-6. Description

The rough terrain forklift truck (figs. 1-1 and 1-2) is capable of operating over all types of terrain. It is equipped with front and rear axle steering which enables it to move sideways at 20° angles and gives the truck a shorter turning radius. The truck is also equipped with two-wheel and four-wheel drive, enabling it to travel through mud, snow, sand and steep grades with equal facility. The body and forks of the truck 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 of center to lift off-center loads. The truck has expanding-tube type hydraulic brakes, hydraulically-operated power steering and a torque converter. The maintenance paragraphs of this manual contain detailed descriptions of the truck's components.

1-7. Difference in Models

This manual covers only the Anthony Company MLT6-2 (Army Model MHE-230) fork lift truck. No known differences exist for the model covered by this manual.

1-8. Tabulated Data

a. Identification. The forklift truck 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 from this plate can be found under tabulated data (*b* below).

b. Tabulated Data

(1) Corps of Engineers "A" plate.

Nomenclature Truck, lift, fork, diesel, pneumatic
tire, 6,000 lb. capacity at 24 in.
load center.

Serial No
Length 228 in.
Width 102 in.
Height 131 in.
Cap. or payload 6000 lbs.
Cube 1760 cu. ft.
Engine manufacturer Detroit Diesel
Model 5043-7000

(2) Dimensions and weights.

Cube 1760 cu. ft.
Length 228 in.
Width 102 in.
Height 131 in.

Weight:

Empty 24,560 lbs.
Maximum loaded 30,560 lbs.

Front wheel weights:

Empty 8645 lbs.
Loaded 16,952 lbs.

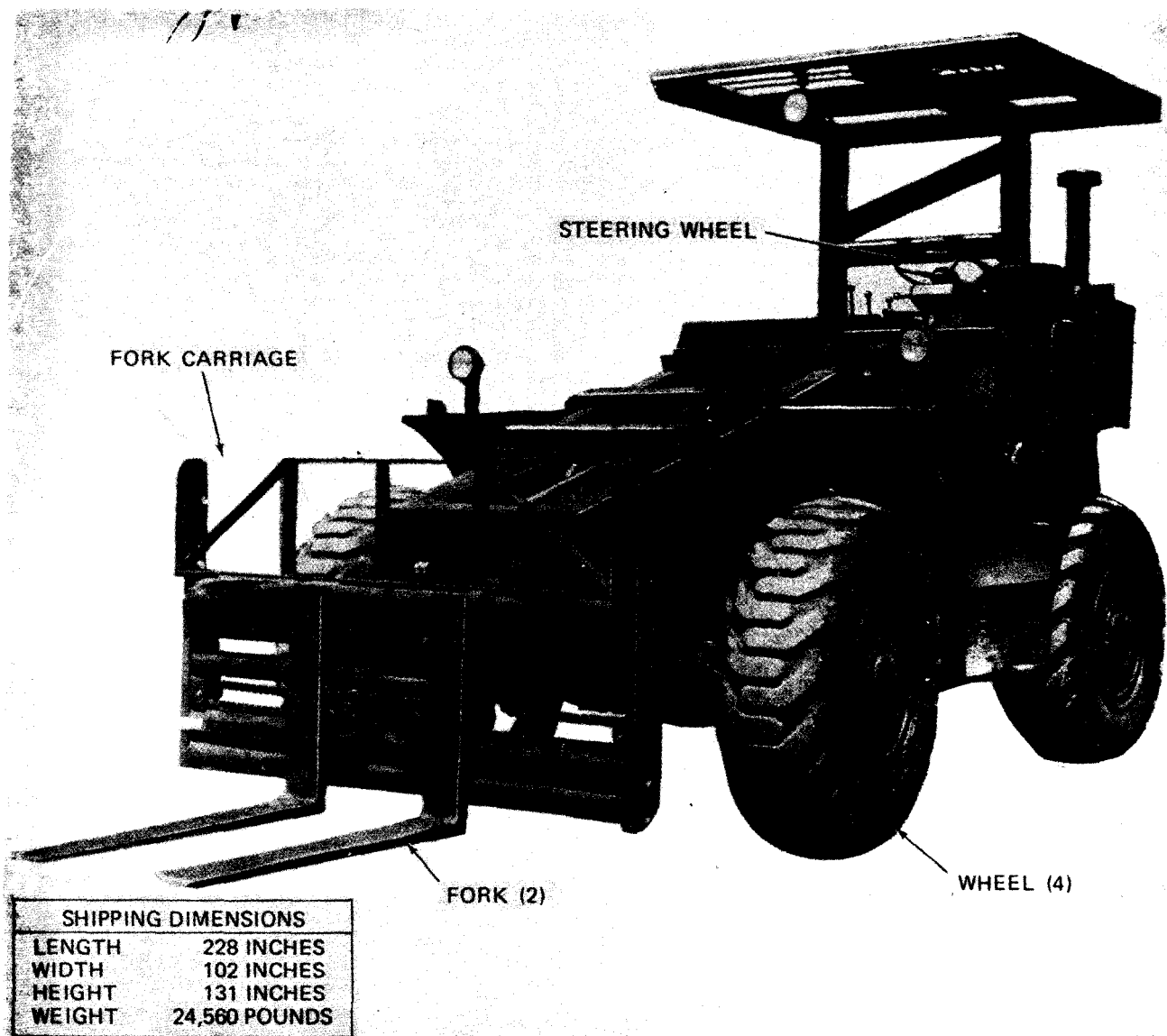
Rear wheel weights:

Empty 15,915 lbs.
Loaded 13,608 lbs.

(3) Capacities

Fuel tank 110 gal.
Hydraulic tank 200 qts.
Transmission 32 qts.
Crankcase w/filter 16 qts.
Radiator 25 qts.
Planetary drive 4 qts. ea.
Differential 10 qts. ea.

(4) Wiring diagram See figure 1-3.



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