

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE MANUAL
TRUCK, FORK, LIFT, ELECTRIC, SOLID RUBBER TIRES,
2,000 LBS. CAPACITY, 144 in. LIFT,
BAKER MODEL FTD-020-EE-SS, ARMY MODEL MHE-204,
FSN 3930-935-7864

HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL

No. 10-3930-609-35

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DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 22 July 1969**DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE MANUAL****TRUCK, FORK, LIFT, ELECTRIC, SOLID RUBBER TIRES,****2,000 LBS CAPACITY, 144 in. LIFT, BAKER MODEL FTD-020-EE-SS,****ARMY MODEL MHE-204, FSN 3930-935-7864**

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual contains instructions for the use of Direct Support, General Support and Depot Maintenance personnel maintaining the Truck, Lift, Fork, Electric, Solid Rubber Tires, 2,000Pound Capacity, Baker Model FTD-020-EE-SS, Army Model MHE-204, Federal Stock Number 3930-935-7864 as allocated by the Maintenance Allocation Chart. It provides information on the maintenance of the equipment which is beyond the scope of the tools, equipment, personnel, or supplies normally available to the using organization.

b. The appendix contains a list of references. TM 10-3930-609-12 contains the maintenance allocation chart. The list of repair parts required by direct and general support, and depot maintenance facilities for

support of the equipment is contained in TM 10-3930-609-35P.

1-2. Forms and Records

a. The DA forms and records used for equipment maintenance will be only these prescribed in TM 38-750.

b. Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to Commanding General, U. S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

Section II. DESCRIPTION AND DATA

1-3. Description

A general description of the fork lift truck and information pertaining to the identification plates are contained in TM 10-3930-609-12. A more detailed description of specific components and assemblies is contained in the applicable section(s) of this manual. Detailed descriptions of the components of the fork lift

truck are provided in the applicable maintenance paragraphs of this manual.

1-4. Tabulated Data

a. *General.* This paragraph contains all maintenance data pertinent to direct support, general support, and depot maintenance personnel.

b. *Electrical Components Characteristics and Ratings.*

Pump motor voltage (nominal)	36 volts
Pump motor horsepower rating at 36 volts	2.2 hp
Pump motor speed at 86 volts with 14 foot pound load	3,265 rpm $\pm 5\%$
Pump motor current at 36 volts with 14 foot pound load	204 amps $\pm 5\%$
Pump motor stalled rotor torque at 36 volts	42 foot pounds min.
Pump motor field coil resistance at 70°F	0.00109 ohms $\pm 10\%$
Travel motor voltage (nominal)	36 volts
Travel motor horsepower rating at 36 volts	3.5 hp approx.
Travel motor speed at 36 volts with 15 foot pound load	2,940 rpm $\pm 5\%$
Travel motor current at 36 volts with 15 foot pound load	120 amps $\pm 5\%$
Travel motor stalled rotor torque at 36 volts	100 foot pounds min.
Travel motor field coil resistance at 70°F	0.0366 ohms $\pm 10\%$
Accelerator controller potentiometer resistance	0 to 600,000 ohms