

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL

MAINTENANCE MANUAL

TRUCK, LIFT, FORK, ELECTRIC, SOLID RUBBER TIRES,

4,000 LBS CAPACITY, 100 IN. LIFT

DREXEL DYNAMICS MODEL FL-40-EE-6550

FSN 3930-403-5661

4,000 LBS. CAPACITY, 180 IN. LIFT

DREXEL DYNAMICS MODEL FL-40-EE-6250

FSN 3930-403-5662

This copy is a reprint which includes current pages from Changes 2, 4 and 5.

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OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

TRUCK, LIFT, FORK, ELECTRIC, SOLID RUBBER TIRES

ARMY MODEL MHE 218

4000 LBS. CAPACITY, 100 in. LIFT, DREXEL DYNAMICS

MODEL FL-40-EE6550, FSN 3930-403-5661 180 in. LIFT, DREXEL DYNAMICS,

MODEL FL-40-EE6250 FSN 3930-403-5662

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual contains instructions for operator and organizational maintenance personnel maintaining the truck, forklift, Models FL-40- EE6550 and FL-40-EE6250. Also included are descriptions of main units and their function in relation to other components.

b. Numbers in parentheses on illustrations indicate quantity. Numbers preceding nomenclature callouts on illustrations indicate the preferred maintenance sequence.

c. Refer to TM 740-90-1 (Administrative Storage of Equipment) for information and instructions on organizational administrative storage.

d. Refer to TM 750-244-3 (Procedures for Destruction of Equipment to Prevent Enemy Use) for

information and instructions on destruction of equipment to prevent enemy use.

1-2. Forms and Records

Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed and prescribed by TM 38-750.

1-3. Reporting of Errors

Report of errors, omissions, and recommendations for improving the publication by the individual user is encouraged. Reports should be submitted on DA Form 2028, Recommended Changes to 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

1-4. Description

The forklift truck is electrically powered by a self-contained battery. The lift and tilt of the fork are hydraulically controlled. The forward and reverse speeds are controlled by a solid state stepless control called an SCR (Silicon Controlled Rectifier system. The entire system is designed for safety by means of safety switches attached to the seat mechanism and the emergency stop button. An automatic power cut-off of

the drive motor is provided when the driver leaves the seat. There is also a switch connected to the brake pedal to stop the drive motor when the brake is applied. The SCR panel, fuses, contactors, and other electrical parts are located in a steel control box. The box is mounted directly in front of and below the operator's seat. Figures 1-1 and 1-2 give overall three-quarter views of the 100 inch and 180 inch forklift trucks.

KEY to fig. 1-1:

1. Load, backrest
2. Overhead guard
3. Bolt, lockwasher and nut (4)
4. Rear wheel
5. Front wheel
6. Bolt and lockwasher (4)

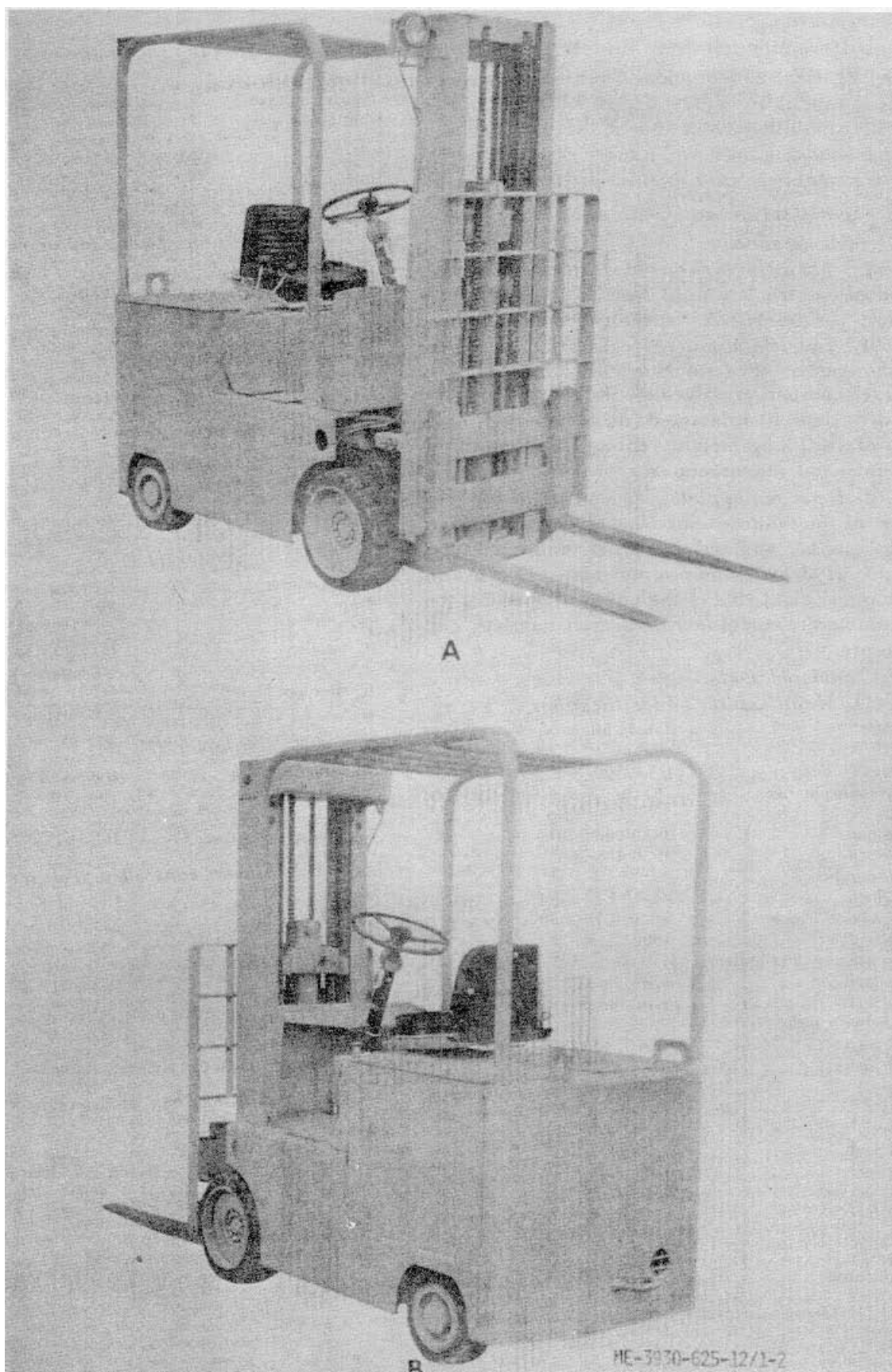


Figure 1-1. Forklift truck, 100 inch.