TM 10-3930-624-34

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

TRUCK, LIFT, FORK, POWER SHIFT G.E.D., 6,000 LB CAPACITY, 180 IN. LIFT

(ALLIS CHALMERS MODEL F-60-24PS-180)

(ARMY MODEL MHE 212)

FSN 3930-489-0263

HEADQUARTERS, DEPARTMENT OF THE ARMY

MAY 1971

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TRUCK, LIFT, FORK, POWER SHIFT G.E.D., 6,000 LB CAPACITY, 180 IN. LIFT (ALLIS CHALMERS MODEL F-60-24PS-180) (ARMY MODEL MHE 212)

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LIST OF ILLUSTRATIONS

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

The instructions in this manual are for the use of personnel to whom the F60-24PS-180 Forklift Truck is issued. This manual contains procedures for Direct Support and General Support levels of maintenance for the equipment and its accessories.

1-2. Forms and Records

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

1-3. Reporting of Errors

Reporting 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 Publications, and forwarded to Commanding General, U.S. Army Mobility Equipment Command, ATTN: AMSME-MPP. 4300 Goodfellow Blvd., St. Louis. Mo. 63120.

Section II. DESCRIPTION AND DATA

1-4. Description

A general description of the forklift truck and information pertaining to the identification plates are contained in TM 10-3930-624-12. A -more detailed description of specific components and assesmblies is contained in the applicable sections of this manual.

1-5. Tabulated Data

a. Engine

Manufacturer	Allis-Chalmers
Manufacturer part number	4515261
Model	6MB-230
Type	Gasoline
Displacement	230 cubic inches
Power	55 horsepower at 220 rpm
Torque	153 ft lbs at 1200 rpm
Number of cylinders	6-in line
Bore	3 7/16 inches
Stroke	4 1/3 inches
Firing order	1-5-3-6-2-4
Compression ratio	7.3 to 1

b. Carburetor.

Manufacturer	Zenith Carburetor Division
Manufacturer part number	0-13151
Model	267-J8
Type	Up-draft, single barrel

c. Alternator, Electrical.

Manufacter	Delco-Remy
Manufacturer part number	1100877
Model	10-DN
Type	12 volt, negative ground
Voltage output	12 volts
Current output	22 amps
Rotation	Clockwise

d. Starter, Electrical.

Manufacturer	Delco-Remy
Manufacturer part number	1107325
Type	12 volt, negative ground
Amperage draw	75 amps/10.3 volts at 6900 rpm
Rotation	Clockwise

c. Transmission.

Manufacturer	Warner Gear
Manufacturer part number	10-01-000-001
Model	T12
Type	Single range
Gear ratio:	
Forward	1.19:1
Reverse	1.19:1
Maximum input torque	350 ft lbs
Maximum input speed	2200 rpm
Pressure :	
Main	100-140 psi
Converter	55-80 psi
Lube	12-30 psi

f. Drive *Axle.*

Manufacturer	Allis-Chalmers
Manufacturer part number	4797277

g. Cylinder. Master, Brake.

Manufacturer	Wagner Electric
Manufacturer part number	FE24728
Type	Combination reservoir and cylinder

h. Wheel Cylinder.

Manufacturer	Wagner Electric
Manufacturer part number	FD20945A
Type	Standard straight bore, double end