

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

FIELD AND DEPOT MAINTENANCE MANUAL

TRUCK, LIFT, FORK, GASOLINE,
PNEUMATIC-TIRED WHEELS
15,000-POUND CAPACITY
(HYSTER MODEL H150C, ARMY MODEL MHE 178)
FEDERAL STOCK NUMBER 3930-897-4632

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

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

a. This manual is published for use by personnel responsible for field maintenance (third and fourth echelons) and depot maintenance (fifth echelon) of the Truck, Lift, Fork, Gasoline, Pneumatic-Tired Wheels, 15,000-pound capacity, (Hyster Model H150C, Army Model MHE 178) Federal Stock Number 3930-8974632, procured under contract number N600 (MIS) 57085.

b. The maintenance services described in this manual are based upon the maintenance allocation chart which is published in TM 10-3930-222-20 and the repair parts and special tools list which is published as TM 10-3930-222-35P.

2. Appendix

The appendix is a list of current references applicable to third, fourth, and fifth echelons of maintenance.

3. Forms and Records

The maintenance forms, records, and reports to be used in the field and depot maintenance of this truck are listed and described in TM 38-750.

4. Recommended Changes

Users of this manual are encouraged to submit recommended changes or comments. Comments should be keyed to the specific page, paragraph, and line of the text in which the change is recommended. Reasons should be provided to insure understanding and complete evaluation. Comments should be submitted on DA Form 2028 (Recommended Changes to DA Technical Manual Parts Lists or Supply Manual 7, 8, or 9) direct to Commandant, U. S. Army Quartermaster School, Fort Lee, Va. 23801.

5. Orientation

Throughout this manual, the use of the terms right, left, front, and rear indicates directions from the viewpoint of the operator sitting in the seat of the truck, except that these directions do not apply to the engine after its removal from the truck.

Section II. DESCRIPTION AND DATA

6. Description

The general description of the truck will be found in TM 10-3930-222-10 and additional descriptive material, applicable to the particular assembly, will be found in TM 10-3930-222-20.

7. Tabulated Data

a. Engine Specifications.

(1) Overall unit.

Make-----Continental
Model-----FS 244-6062
Bore-----4375 in.

Stroke-----4.375 in.
Brake horsepower-----73 at 2,200 rpm (max.)
Displacement-----244 cu. in.
Firing order -----1-5-3-6-2-4
Cylinder compression:
Ratio-----6.9 to 1
Pressure (each cylinder, with plugs removed, at normal cranking speed and throttle wide open). 135 to 140 psi (a maximum of 10% allowable variation between cylinders).
Torque (at 1,200 rpm)-----192 ft.-lb.
S.A.E. horsepower -----28.4
Governed speed -----2,400 rpm

