

TM 10-3930-222-10

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S MANUAL

TRUCK, LIFT, FORK, GASOLINE,
PNEUMATIC-TIRED WHEELS,
15,0000-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 through 5.

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CHANGE

No. 6

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Operator's Manual

TRUCK, LIFT, FORK; GASOLINE; PNEUMATIC-TIRED WHEELS;
15,000-POUND CAPACITY; 210 IN. LIFT HEIGHT

HYSTER MODEL H150C:

MHE 178 (NSN 3930-00-897-4632)

MHE 178A (NSN 3930-01-054-3894)

MHE 178B (NSN 3930-01-054-3895)

MHE 178C (NSN 3930-01-052-5218)

AND

HYSTER MODEL H150F: MHE 223 (NSN 3930-00-151-4434)

TM 10-3930-220-10, 17 September 1962, is changed as follows:

Inside front cover. Add the following warning:

Warning: Operation of this equipment presents a noise hazard to personnel in the area. The noise level exceeds the allowable limits for unprotected personnel. Wear ear muffs or ear plugs which were fitted by a trained professional.

Page 1. The manual title is changed to read as shown above.

Page 2. Change the title of Appendix II to "Basic issue items list and items troop installed or authorized list".

Page 3.

Paragraphs 1 through 4 are superseded as follows:

1. Scope

This manual is for your use in operating the Hyster Forklift Truck, Models H150C, Army Models MHE 178, MHE 178A, MHE 178B, MHE 178C, and H150F, Army Model MHE 223.

2. Maintenance Forms, Records, and Reports

Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance

levels are listed in and prescribed by DA Pam 738750.

3. Destruction of Materiel to Prevent Enemy use

Instructions for destruction of materiel to prevent enemy use will be found in TM 750-244-6.

4. Reporting Errors and Recommending Improvements

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, U.S. Army Tank-Automotive Command, A-1-TN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

Paragraph 6. The first sentence is changed to read as follows: "The Hyster Model H150C and Model H150F (figs. 1 and 2) are gasoline-powered, front-wheel drive, rear-wheel steer, materials-handling forklift trucks."

Page 6.

Paragraph 6. The last sentence is changed to read "The Model H150C is nonradio-suppressed. The Model H150F is radio-suppressed."

Paragraph 7c, line 20, *Towing capacity at 0° grade.* Change "395,000 lb." to "9350 lb."

*This change supersedes C 5, 5 April 1974.

Page 10. Immediately after Section III title, add the following Warning:

Warning: Operation of this equipment presents a noise hazard to personnel in the area. The noise level exceeds the allowable limits for unprotected personnel. Wear ear muffs or ear plugs which were fitted by a trained professional.

Page 11, paragraph 14b. Subparagraphs (2) and (3) are superseded as follows:

(2) Pull back on the high-and-low speed lever (par. 11e) to obtain low speed and accelerate the engine.

(3) When the truck speed is sufficient, shift into high speed by pushing forward on the high-and-low speed lever.

Caution: Do not shift direction control lever to reverse when traveling in forward direction. Stop the truck, then shift into reverse.

Page 13.

Paragraph 21 is superseded as follows:

21. General

Refer to current Lubrication Order for lubrication requirements.

Section III is superseded as follows:

Section III. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

23. General

Your Preventive Maintenance Checks and Services Table lists the inspections and care of your equipment required to keep it in good operating condition.

24. Operator/Crew Preventive Maintenance Checks and Services

a. The number column of your PMCS table is the source for the number used on the TM Number Column on DA Form 2404.

b. The interval column of your PMCS table tells you when to do a certain check or service.

(1) Before you operate, perform your BEFORE (B) PMCS. Always keep in mind the WARNINGS and CAUTIONS.

(2) While you operate, perform your DURING (D) PMCS. Always keep in mind the WARNINGS and CAUTIONS.

c. Once a week, perform your WEEKLY (W) PMCS. Always keep in mind the WARNINGS and CAUTIONS.

d. The procedure column of your PMCS table tells you how to do the required checks and services. Carefully follow these instructions. If you do not have the

tools, or if the procedure tells you to do so, have organizational maintenance do the work.

e. If your equipment does not perform as required, refer to the troubleshooting section of this manual for possible problems. Report any malfunctions or failures on the proper DA Form 2404 or refer to DA Pam 738-750.

Note: The terms ready/available and mission capable refer to the same status: Equipment is on hand and is able to perform its combat missions (see DA Pam 738-750).

f. Equipment is not ready/available if: column. This column tells you when and why your equipment cannot be used.

g. Always do your PMCS in the same order so it gets to be a habit. Once you have had some practice, you will spot anything wrong in a hurry.

h. When you do your PMCS, take along a rag or two.

i. While performing PMCS, observe WARNINGS and CAUTIONS preceding those operations which could endanger your safety or could result in damage to the equipment.

Warning: Dry cleaning solvent, P-D-680, is toxic and flammable. Wear protective goggles and gloves and use only in a well-ventilated area. Avoid allowing solvent to contact skin, eyes, and clothes, and do not breathe vapors. If you become dizzy while using cleaning solvent, immediately get fresh air and get medical aid. If solvent comes in contact with skin or clothing, wash with water. If solvent gets in your eyes, immediately flush eyes with water and get medical aid. Flash point of solvent is 138°F (59°C).

(1) Keep it clean. Dirt, grease, oil, and debris only get in the way and may cover up a serious problem. Clean as you work and as needed. Use dry cleaning solvent (P-D-680) to clean metal surfaces. Use soap and water when you clean rubber or plastic material.

(2) Bolts, nuts, and screws. Check that they are not loose, missing, bent, or broken. You can't try them all with a tool, of course, but look for chipped paint, bare metal, or rust around bolt heads. Tighten any bolt, nut, or screw that you find loose.

(3) Welds. Look for loose or chipped paint, rust, or gaps where parts are welded together. If you find a bad weld, report it to organizational maintenance.

(4) Electrical wires and connectors. Look for cracked or broken insulation, bare wires, and loose or broken connectors. Report damaged or loose wiring to organizational maintenance.