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MANUAL PREVIEW

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**125E
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SECTION INDEX

This manual covers the instructions for operation, lubrication, adjustments and maintenance for normal daily care. These instructions are divided into ten sections to simplify your reference to the information most important to you. Refer to table of contents on next page for a complete list of the subjects covered within each section.

This manual has been prepared to help you operate and maintain your machine with utmost efficiency and safety. Read this manual thoroughly and learn your machine before you attempt to operate it.

SECTION 1 — INTRODUCTION

This section discusses generally the use of this manual, serial numbers and how to ship or store this machine.

SECTION 2 — BEFORE STARTING THE NEW MACHINE

This section outlines the special procedures necessary to insure proper "break-in" and care of the new machine.

SECTION 3 — INSTRUMENTS AND CONTROLS

The text and illustrations on instruments and controls in this section are designed to tell you "where it is," "what it does" and "how to use it." Read this section carefully.

SECTION 4 — PREPARING FOR EACH DAY'S WORK

This illustrates the few simple preparations before each day's work to assure a work day free of "downtime".

SECTION 5 — OPERATING THE MACHINE

This section outlines and illustrates the step-by-step procedures for starting, operating and stopping the basic machine.

SECTION 6 — OPERATING THE LOADER EQUIPMENT

This section describes the methods for operating and adjusting the various equipment available with this machine.

SECTION 7 — OPERATING TECHNIQUES

A few operating suggestions and techniques are discussed with simple ideas to help ease the work and lengthen the useful life of your machine.

SECTION 8 — SCHEDULED MAINTENANCE

A complete scheduled maintenance procedure is outlined here - one that assures less down-time and expense, and more profit and work from your machine. Read and use this section.

SECTION 9 — MAINTENANCE

Much of the maintenance and adjustment procedures outlined in Section 8 need clear explanation. This section is devoted to explaining the "how to do" in an easy style to help you "do it yourself" and get it right.

SECTION 10 — SPECIFICATIONS AND CAPACITIES

This section covers the capacities, general dimensions and weights, speeds and torques.

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OPERATING THE BASIC MACHINE

STARTING THE ENGINE

Step numbers correspond with the numbers shown on Fig. 3.

NOTE: This engine cannot be started by towing, pushing or coasting the loader.

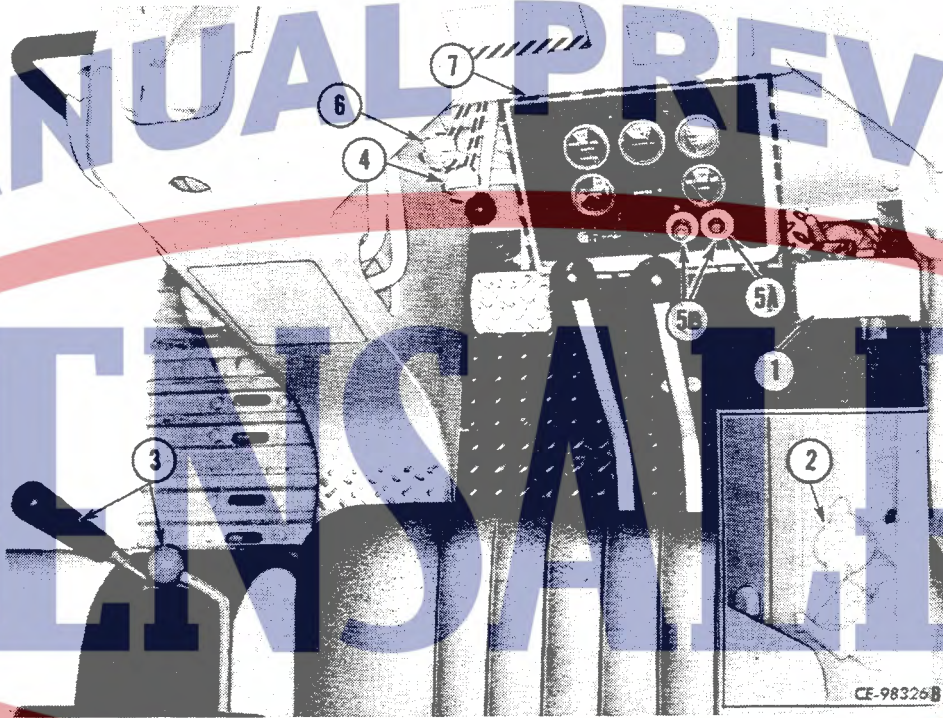


Fig. 3.
Starting the Engine.

NOTE: The turbocharger must be primed when the engine has been idle for 30 days or more. Refer to "TURBOCHARGER" in Section 9.

1. Apply and lock the brake pedal.
2. Turn the electrical system master switch to "ON".
3. Place the transmission in neutral as follows:
Pull the safety lock lever up to the "ON" position to lock the transmission gear selector lever in "NEUTRAL."
4. Move the engine speed control lever up to 1/2 speed position at temperatures above +10° C (+50°F). Move the engine speed control lever all the way up to full speed position for temperatures between +10° C (+50°F) and 0° C (+32°F). Move the engine speed control lever to the cold start position for temperatures below 0° C (+32°F).
5. Crank engine as follows:
 - a. NORMAL START: Press the starting switch button and release it the instant the engine starts.

NOTE: To avoid possible damage to the cranking motor, release the button as soon as the engine starts. Never press the button while the engine is running.

SCHEDULED MAINTENANCE

SECTION 8

Page 3

SCHEDULED MAINTENANCE GUIDE



Every 500 Hours of Operation

Loader equipment	Inspect for operational damage. Correct as required.
Engine valves	Check clearance. Refer to "ENGINE VALVE CLEARANCE ADJUSTMENT" in Section 9.
Fuel filters	Change (depending upon loss of engine power or misfiring). Refer to "FUEL SYSTEM" in Section 9.
Hose clamps	Check torque. Refer to "TORQUE VALUES FOR HOSE CLAMPS" in Section 10.
Track shoe bolts	Check torque. Refer to "TRACK" in Section 9.
Turbocharger	Check cap screws, hold-down nuts, air connections and oil connections for tightness. Condition of hoses and oil lines must be checked; replace where necessary.
Wiring	Check for and repair worn, cracked or frayed insulation, broken wires, loose or corroded connections.
Scheduled lubrication	Refer to service guides in this section.



Every 1000 Hours of Operation

Cooling system	Clean. Refer to "COOLING SYSTEM" in Section 9.
Rear main frame breather	Remove and replace if necessary. Refer to "REAR MAIN FRAME BREATHER" in Section 9.
Scheduled lubrication	Refer to service guides in this section.



Periodic (At least once a year or as required)

Air cleaner element	Clean element per indicator. Refer to "AIR CLEANING SYSTEM" in Section 9.
Fuel oil filters	Change as required. Refer to "FUEL SYSTEM" in Section 9.
Rear frame breather	Remove and clean or replace if necessary. Refer to "REAR MAIN FRAME BREATHER" in Section 9.
Seat Belts	Inspect for corrosion and wear. Check mounting bolts for looseness. Refer to "SEAT BELTS" in Section 9.