



International Harvester

Operator's Manual
E-270

Elevation Pay Scraper

Operator's Manual

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or Call 800-443-0625



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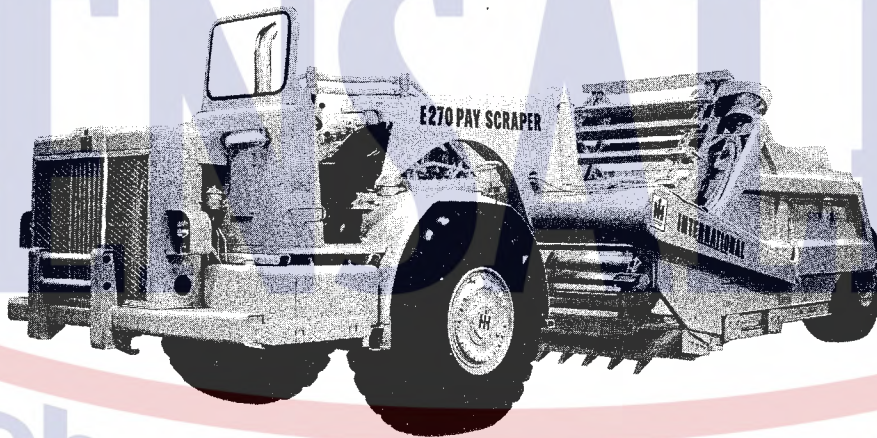
IH-O-E270 ES

INTERNATIONAL®

MODEL E-270

ELEVATING

PAY® SCRAPER



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CONTENTS

This manual covers the instructions for operation, lubrication, adjustments and maintenance for normal daily care. These instructions are divided into nine sections to simplify your reference to the information most important to you. This manual must be read completely prior to operating this machine, to gain a full knowledge of the machine and its correct normal maintenance and operation.

Refer to each specific section for a complete list of the subjects covered within the section.

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 a new machine.

SECTION 3 - INDICATORS AND CONTROLS

The text and illustrations on indicators 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 "lost-time" free work day.

SECTION 5 - OPERATING THE MACHINE

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

SECTION 6 - OPERATING TECHNIQUES

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

SECTION 7 - SCHEDULED MAINTENANCE

This section saves money! 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 - INCREASE YOUR PROFIT through increased machine reliability and availability.

SECTION 8 - MAINTENANCE

Much of the maintenance and adjustment procedures outlined in section 7 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 9 - SPECIFICATIONS AND CAPACITIES

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

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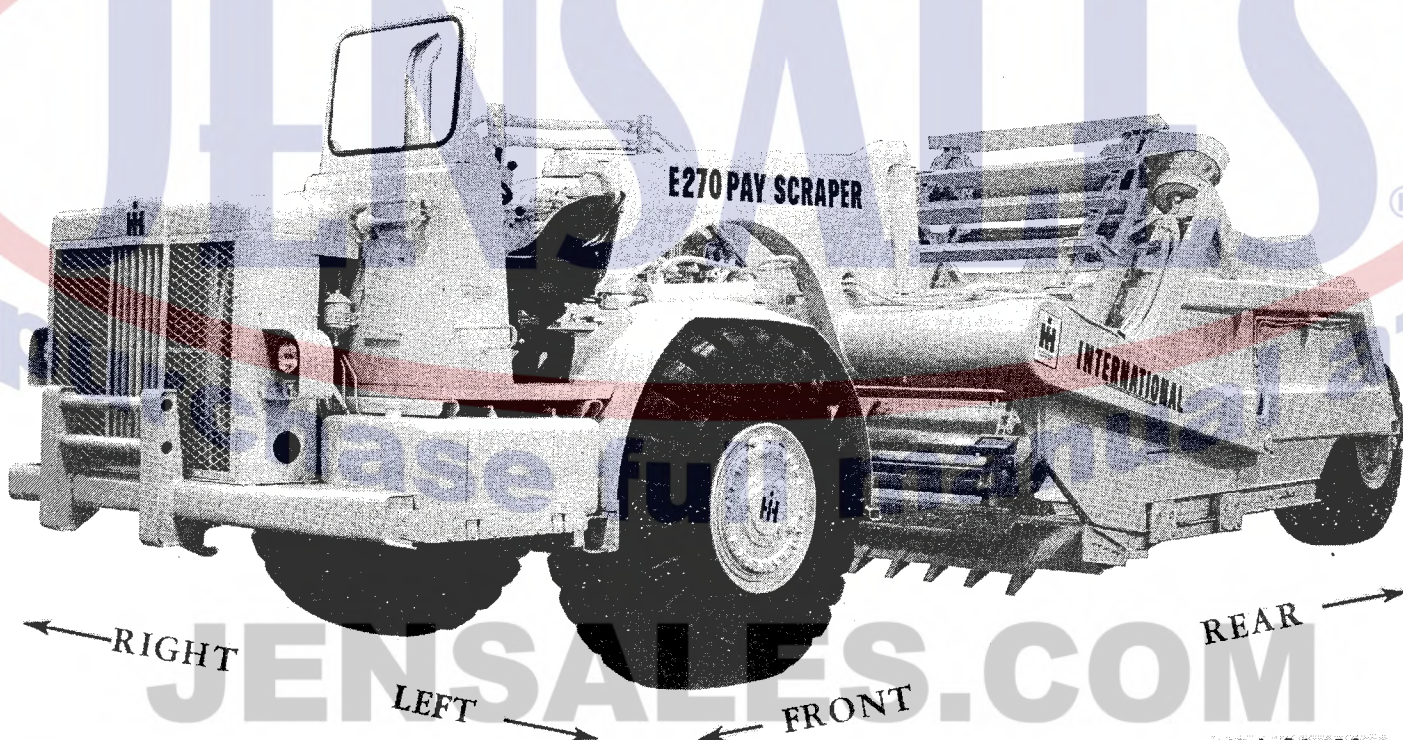
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GENERAL



Illust. 1
MODEL E-270 Elevating PAY scraper

IPA-82483

Any cross references in this manual are to a specific section of the manual. Refer to first page of that section for a list of the section contents.

Some illustrations are of general application of this model and may not show your machine ac-

curately in all details.

Throughout this manual the use of the terms "left" and "right" and "front" and "rear" must be understood to avoid confusion when following instructions. (Illust. 1.)



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INITIAL SERVICE PROCEDURE

Before operating this machine:

1. Be sure the cooling system is filled to the proper level (one inch above the baffle).
2. Check the tension of the following belts several times during the initial 20 hours of operation:

- a. Fan belts;
- b. Water pump belt;
- c. Generator and air compressor belt.

Refer to "BELTS" in Section 8.

3. Check battery liquid level. Refer to "ELECTRICAL SYSTEM" in Section 8.

4. Check the oil levels in the different compartments. Refer to "LUBRICATION WHEN SHIPPED" in this section.

5. Operate the new machine for the first 20 to 30 hours at wide open throttle with a light load.

6. Check the torques on the elevator paddle Stover lock nuts after the initial 100 hours of operation. Refer to "TORQUES" in Section 9.

LUBRICATION WHEN SHIPPED

The machine has been lubricated at the factory for operation in an air temperature range of +32°F to +90°F. If operation is above or below this range, change to the correct lubricants. Unless an exception is shown in the following chart, all lubricants can be used (within above

temperature range) until regular scheduled (normal) change intervals occur. Refer to "LUBRICATION GUIDES" in Section 7 for the scheduled (normal) change intervals and the proper oil grades for various air temperatures.

COMPARTMENT	LUBRICANT	VISCOSITY
Crankcase		See *
Transmission and Torque Converter	EO	Grade-10 Δ
Hydraulic Reservoir	EO	Grade-10
Differential	MPL	Grade-90
Wheel Planetaries	MPL	Grade-90
Water Pump Housing	MPG	
Fan Bearing Housing	MPG	

* Before operating the engine, drain the break-in and preservative type oil in the crankcase and engine lubricating oil filter cases and replace it with the required amount of Series 3 engine oil of the proper viscosity for the prevailing air temperature. Refer to the "LUBRICANT SPECIFICATIONS AND CAPACITIES CHART" in Section 7.

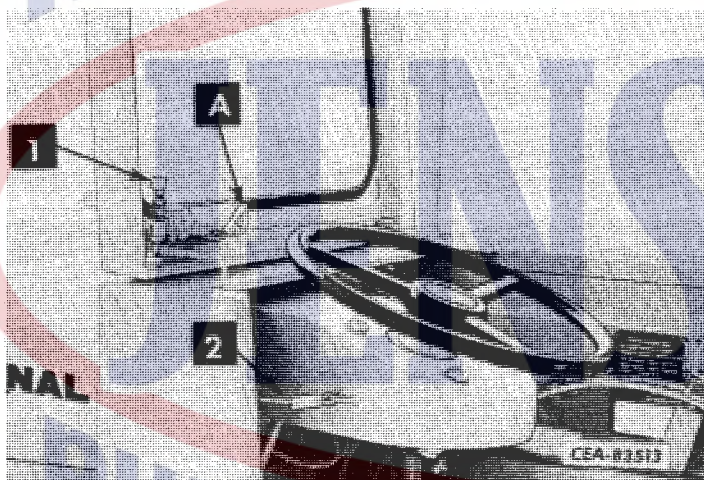
Δ After the initial 100 hours of operation, service the transmission and the transmission oil filters. Refer to "TRANSMISSION" in Section 8.

EXPORT ONLY: The transmission is filled with a preservative type oil. Operation of this transmission with this oil must not exceed 25 miles. Before placing this machine into service, drain the preservative oil and replace with the proper oil for regular operation. For proper procedure, refer to "PREPARING STORED MACHINE FOR SERVICE" in Section 1.



This section covers the location and function of the various indicators and controls of this machine. In the case of controls, more detailed information regarding operation can be found in Section 5.

Regardless of previous experience as an operator, you must be thoroughly familiar with the location and use of all indicators and controls before operating this machine. Check all indicators, immediately after starting, again upon reaching operating temperatures and at frequent intervals during operation to assure proper care through prompt detection of irregularities. If any of the indicators do not register properly, stop the engine; locate and correct the cause immediately. Refer to "INDICATOR CHECK" in Section 5.



Illust. 1
Controls.

1 Windshield Wiper Regulator

Turn the knob counterclockwise to start the wiper and to increase wiper speed. Turn the knob clockwise to stop the wiper.

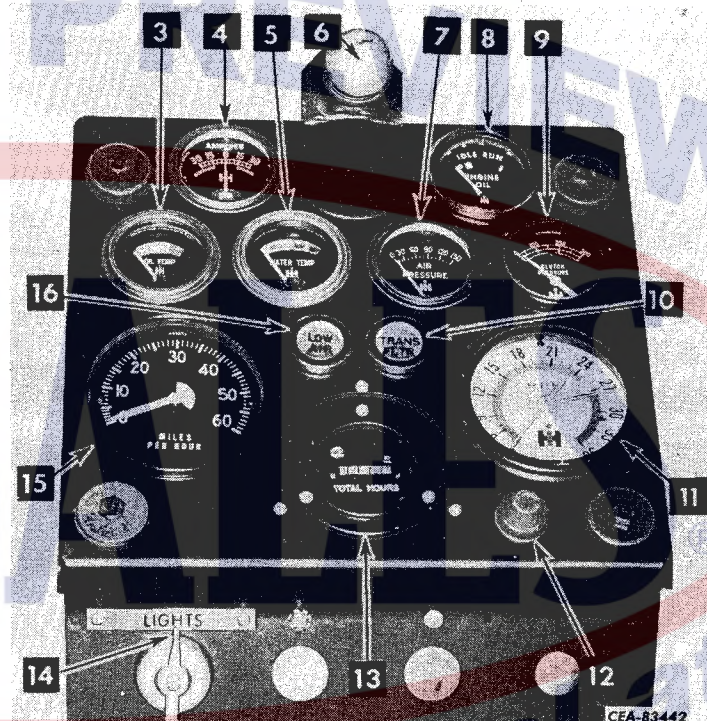
Use the lever (A) for hand operation, if necessary.

2 Air Horn Cord

To blow the horns, pull the cord.

3 Torque Converter Oil Temperature Indicator

This indicator registers the temperature of the fluid in the torque converter. After the engine has operated sufficiently to reach a stabilized torque converter temperature, check the indicator. The indicator must register in the white area. If the indicator registers in the red area, make the checks as follows:



Illust. 2
Indicators and Controls.

a. Be sure the transmission clutch oil pressure indicator is registering the correct pressure.

b. Stop the engine. Check the oil level in the transmission (refer to Section 7 for the correct level checking procedure).

c. Service the transmission filters. For filter servicing procedures, refer to "TRANSMISSION" in Section 8.

4 Ammeter

The ammeter indicates the rate at which the batteries are being charged or discharged. The ammeter must show charge when the engine is operating faster than low idle speed. If it shows discharge or a high rate of charge continuously while the engine is operating at this

Continued on next page.