International Harvester

Operator's Manual

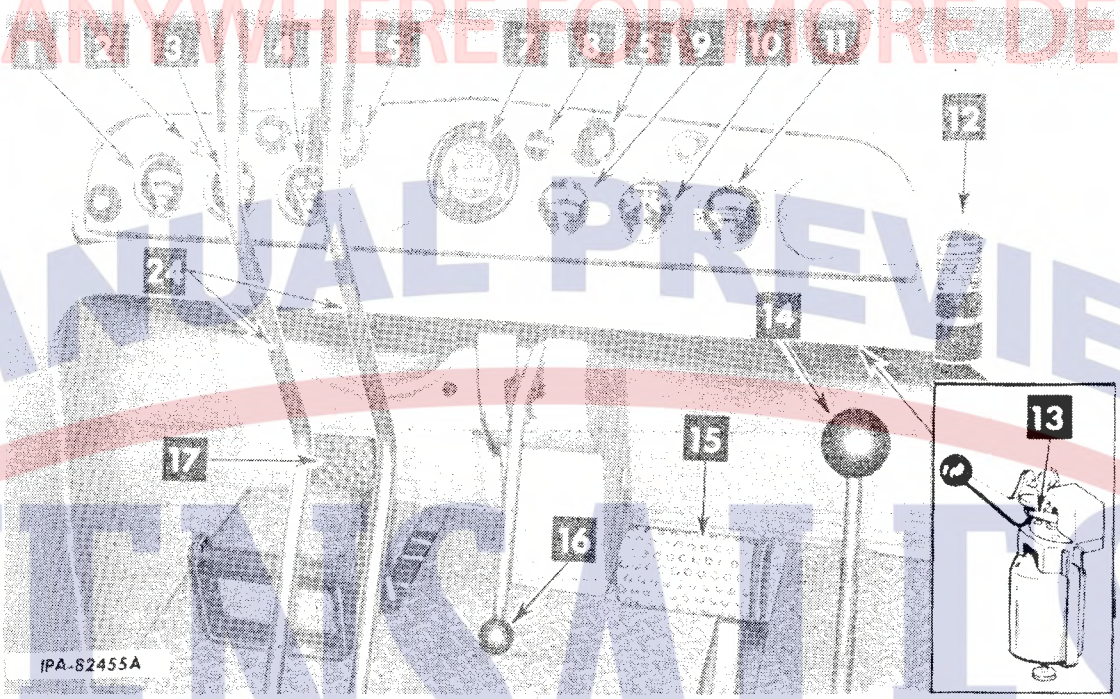
250-B Crawler Loader and Loader Equipment

Operator's Manual

IH-O-250B CRLR

SECTION 3

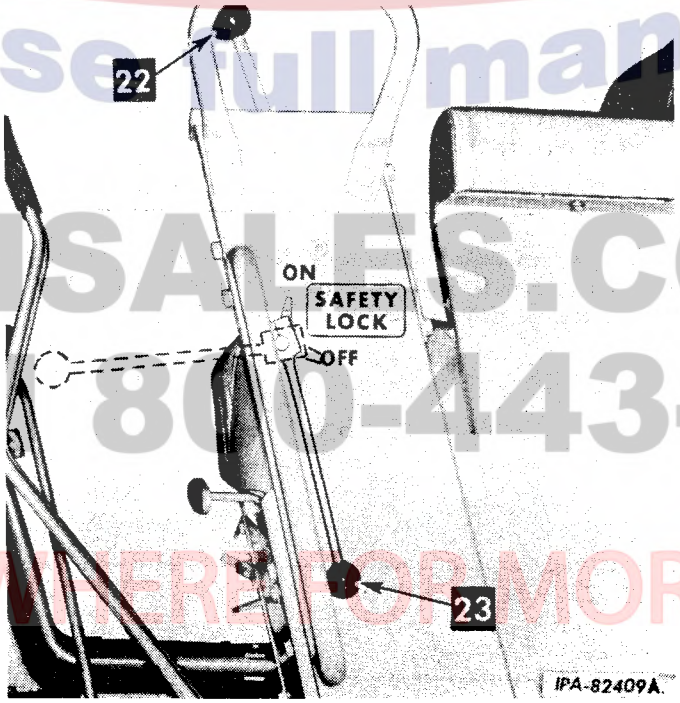
PAGE 1 - REPLACE Illust. 1 with the following:



Illust. 1
Indicators and Controls.

PAGE 2 - CANCEL the heading and text "6 Fuel Oil Pressure Indicator" and Illust. 5.

PAGE 6 - REPLACE Illust. 14 with the following:



Illust. 14
Transmission, Gear Selector Lever and Selector Lock Lever.

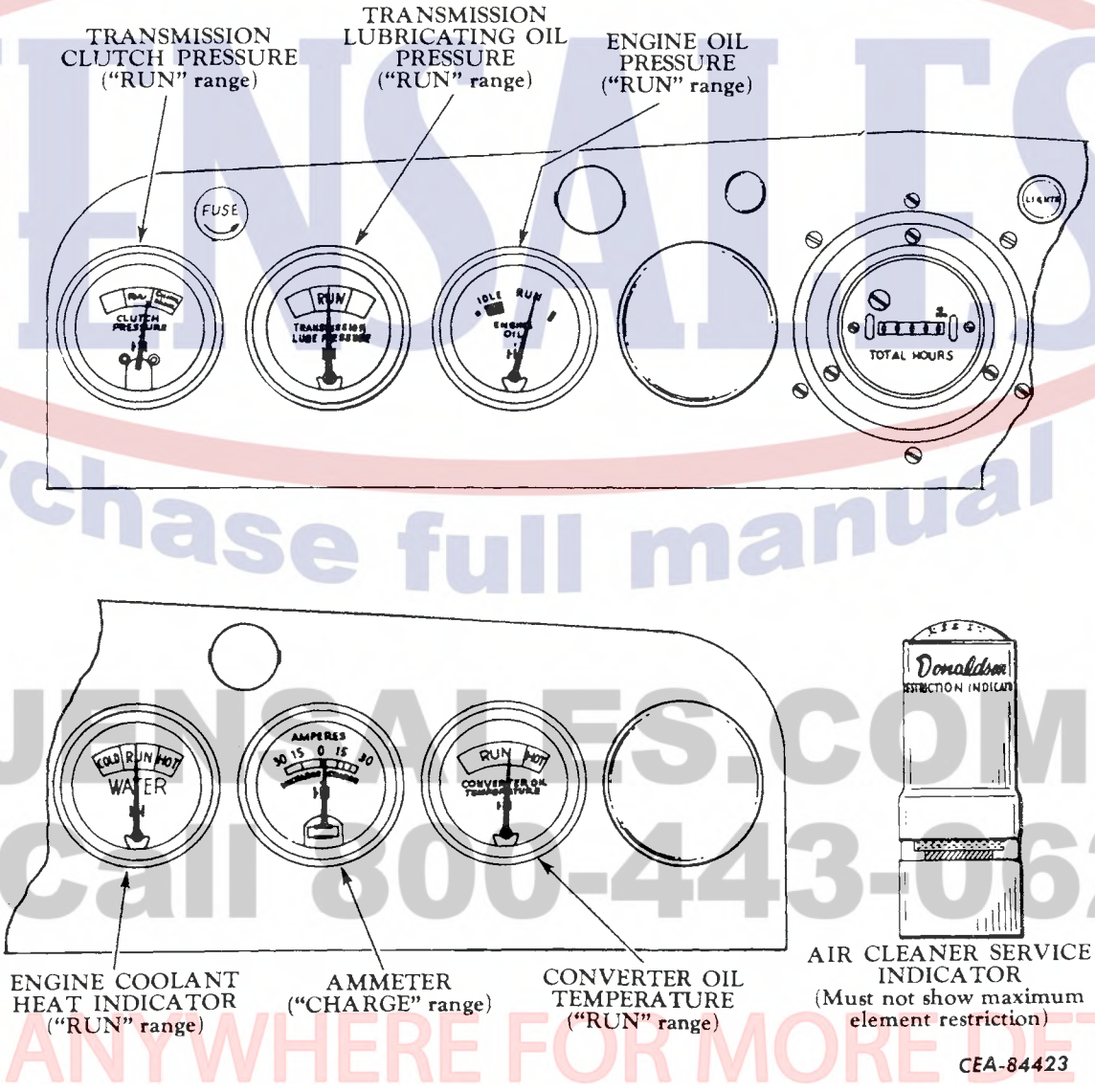
PAGE 7 - CANCEL the heading and text "Hydro Spring Valve (Illust. 17) (Retain Illust. 17) and REPLACE with the following:

Hydro Spring Valve (Illust. 17) (If equipped)

The hydro spring cushions the oil pressure of the lift cylinders circuit. This feature can be included or omitted from the circuit with the hydro spring valve. Place the valve in the "open" position to include in the circuit; place it in "close" to omit it from the circuit. Refer to page 4 of this supplement for additional information.

SECTION 5

PAGE 6 - REPLACE Illust. 4 with the following:



Illust. 4
Instrument Panel.

SECTION 6

PAGE 2 - Under the heading "LIFT ARM AND BUCKET CONTROL LEVER (Illust. 1)," REPLACE the text under "6, Roll Back" with the following:

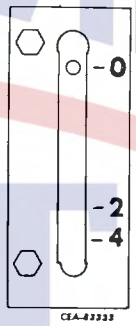
"With the control lever in "RAISE," "HOLD," "LOWER," or "FLOAT," move the lever to the sixth position (left). The control lever, when released, will automatically return to "HOLD."

NOTE: On units equipped with automatic kickout feature, a detent in the valve locks the lever in this position. The control lever will automatically be released from "ROLL BACK" position when the bucket reaches a preset position."

PAGE 5 - ADD the following new headings and text to Section 6 "OPERATING THE LOADER EQUIPMENT."

DEPTH-OF-CUT INDICATOR (Illust. 10)

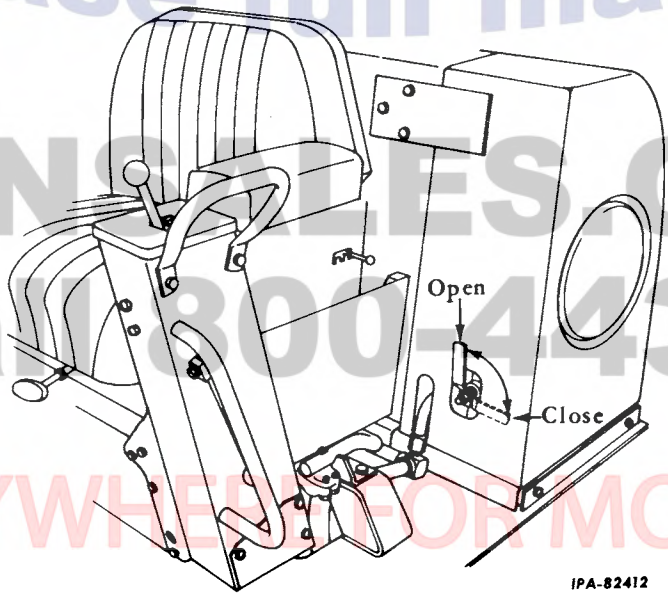
This indicator is located on the upper left rear side of the four-in-one bucket. It indicates the maximum amount of depth cut depending on the clam opening. Use this indicator when inch-close dozer, grader or scraper accuracy is required.



Illust. 10
4-in-one Depth Gauge Indicator.

HYDRO SPRING (If Equipped)

The hydro spring is a mechanical "shock absorber" for the hydraulic lift circuit. It is not connected to and has no effect on any of the other loader hydraulic circuits. When used, it reduces the "bounce" when transporting and the "shock" when driving or bumping into hard objects. When greater prying forces are required or when finish grading where rigid control is needed, omit the hydro spring by closing the hydro spring valve.



Illust. 11
Hydro Spring Valve Positions.

PAGES 20 and 21 - CANCEL the title "VENTING THE SYSTEM," text and Illust. 21. REPLACE with the following new title, text and Illust. 21.

VENTING THE SYSTEM

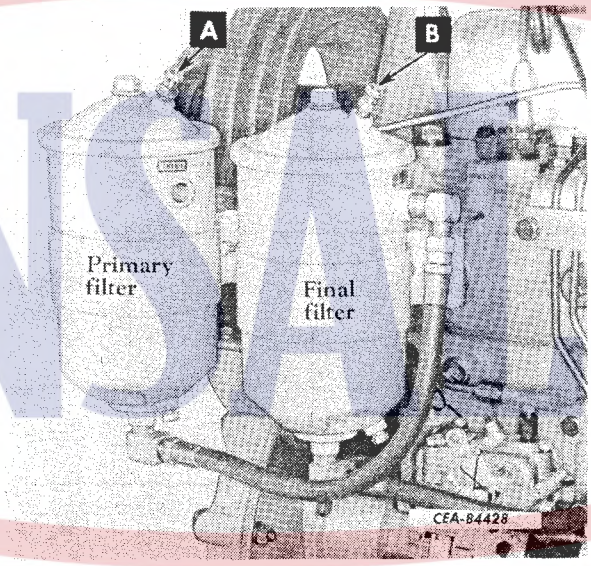
All air must be eliminated from the fuel lines before the engine will operate properly. All fuel line connections must be tight to prevent leakage and to prevent air from entering the system. The system must be vented when:

—An engine, in operation, runs out of fuel.

—A new engine is being started for the first time.

—Fuel filter elements have been replaced.

—Fuel piping has been disconnected or loosened.



Illust. 21
Fuel Filters and Vent Valves.

Vent the system as follows:

1. Fill the fuel tank and open the shut-off valve under the fuel tank.

2. Open the valve (A, Illust. 21) on the primary fuel filter. When fuel flows out in a solid stream, close the valve.

3. Open the valve (B, Illust. 21) on the final fuel filter. When fuel flows out in a solid stream, close the valve.

4. LOADERS EQUIPPED WITH WATCHDOG FUEL FILTER: Loosen the bleed screw on the Watchdog fuel filter. When fuel flows out in a solid stream, tighten the bleed screws.

5. Start the engine.

PAGE 23 - Under the subject "Replacing the Element" ADD the following new heading, text and Illustration.

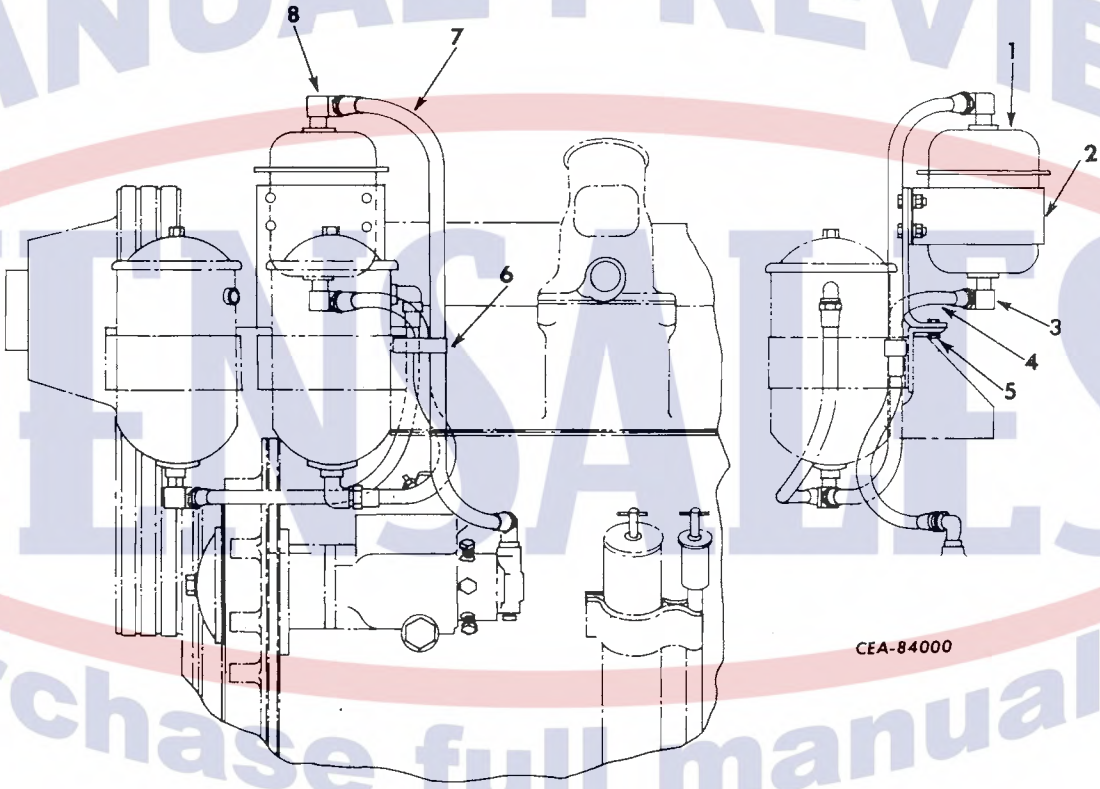
Watchdog Filter (Illust. 25A)

1. Disconnect the hose (4) from the elbow (3).

2. Loosen, but do not remove the filter locking screw in the center of the bracket (a).

3. Lift the filter (1) from the bracket.

4. Hold the elbow (8), unscrew the filter and remove the elbow (3). Discard the filter.



Illust. 25A
Watchdog Fuel Filter.

1. FILTER, Watchdog.
2. BRACKET.
3. ELBOW.
4. HOSE.
5. SUPPORT.
6. CLAMP.
7. HOSE.
8. ELBOW.

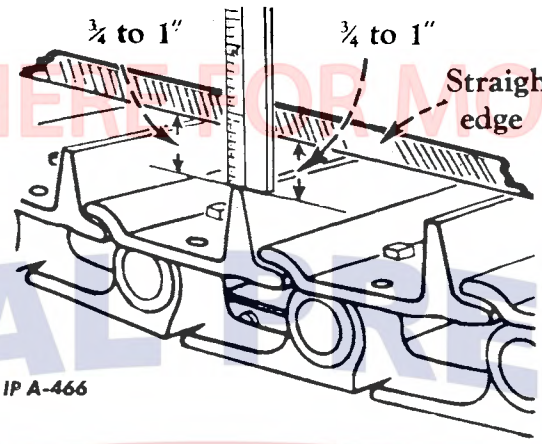
5. Install the elbow (3) into the new filter.

6. Screw the new filter on the elbow (8). Be sure the bleed screw faces out, then install the filter into the bracket (2) and tighten the filter locking screw in the center of the bracket.

7. Connect the hose (4) to elbow (3).

8. Vent the fuel system. Refer to "VENTING THE SYSTEM" on page 8 in this supplement.

PAGE 31 - REPLACE Illust. 30 with the following:



Illust. 30
Checking Slack in Track Chain.

PAGE 32 - Under subject "CHECKING TRACK TENSION," REPLACE step 6 with the following:

"6. Place a straightedge on the track and check the slack as shown in Illust. 30. If the clearance is less than 3/4 inch or more than one inch, adjust the track tension."

Under the subject "ADJUSTING THE TENSION," REPLACE the text and Illust. 31 with the following:

ADJUSTING THE TENSION

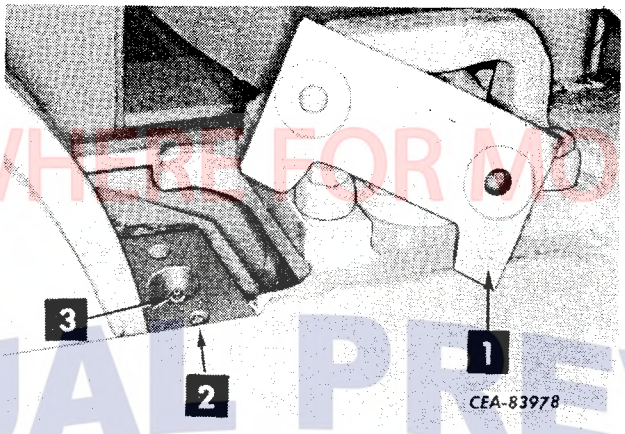
Track chain tension is adjusted by hydraulic pressure. The front idler is forced forward for track adjustment by chassis lubricant (CL) under pressure with the standard type bucket or hand lubricator.

CAUTION: THE PRESSURE IN THIS SYSTEM IS HELD BY THE SOCKET HEAD SCREW AND A CHECK VALVE UNDER THE LUBRICATION FITTING. WHEN ADJUSTING TRACK TENSION, NEVER LOOSEN THE SOCKET HEAD SCREW MORE THAN ONE TURN, AND NEVER REMOVE THE SOCKET HEAD SCREW WHEN UNDER PRESSURE.

1. Remove the scraper (1).

2. Connect the lubrication nozzle to the lubrication fitting (3) inside the opening.

3. Determine the amount of adjustment necessary, and add lubricant to obtain the proper track chain tension. It is advisable to move the machine forward and backward slightly to be sure the correct tension has been obtained.



Illust. 31
Hydraulic Track Adjuster.

1. SCRAPER, front idler.
2. SCREW, socket head.
3. FITTING, lubrication.

4. To reduce track tension, loosen the screw (2) one full turn. This allows the ball to unseat and furnishes a relief passage for the pressurized lubricant. When the proper tension has been obtained, tighten the screw to 10-15 ft-lbs.

NOTE: If the relief passage is blocked, unscrew the screw two additional turns. A slot cut in the side of the screw furnishes a safety relief passage allowing the pressurized grease to escape.

5. Install and fasten the scraper.

SECTION 10

PAGE 1 - CHANGE front idler and track idler capacities to read as follows:

Front idlers (each side)	2 pts.
Track idlers (each side)	3 pts.

PAGE 2 - CHANGE the track shoe bolt torque to read as follows:

Track shoe bolt	220-250 ft-lbs.

CONTENTS

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. This manual must be read completely prior to operating this equipment, 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.