



# ***International Harvester***

**Operator's Manual**

**600**

**Diesel Tractor**

**Operator's Manual**

**JENSALES.COM**

**or Call 800-443-0625**

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**IH-O-600 DSL**

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**INTERNATIONAL HARVESTER COMPANY**

180 North Michigan Ave.

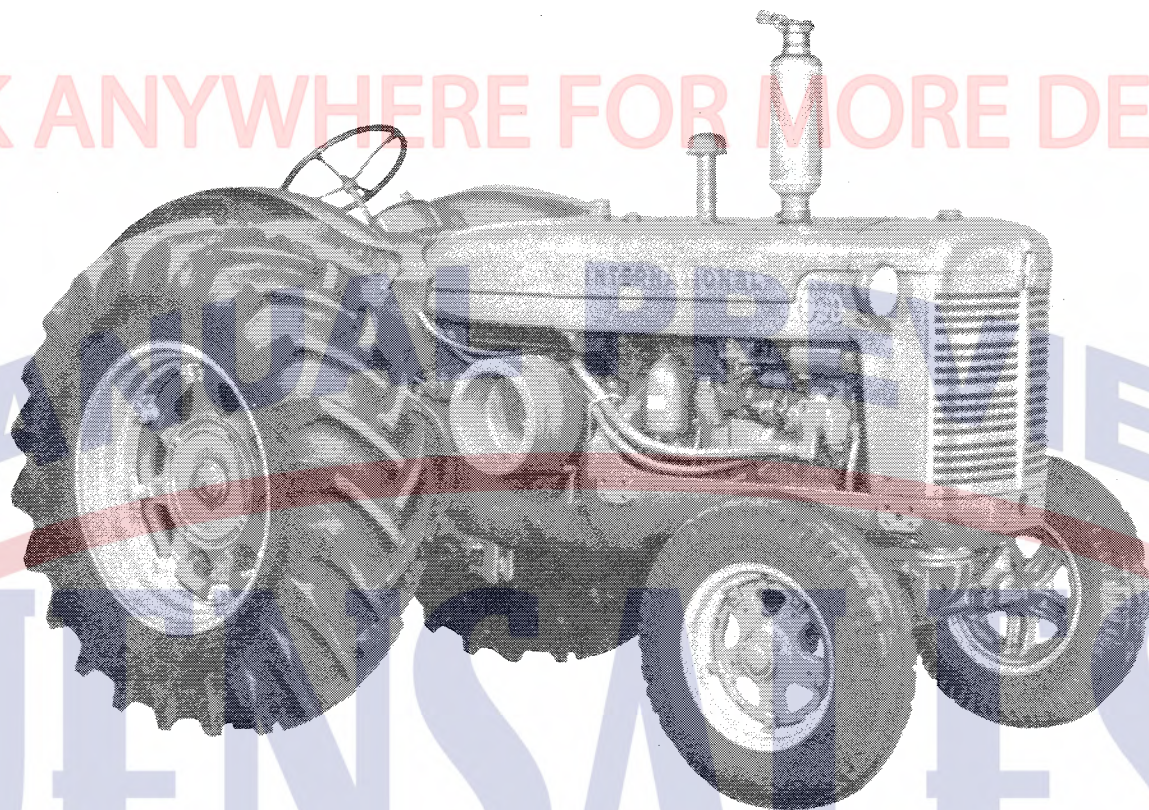
Chicago 1, Illinois, U. S. A.

# CONTENTS

| Description                                                           | Page No.               |
|-----------------------------------------------------------------------|------------------------|
| <b>Introduction</b>                                                   |                        |
| Delivery report (to be filled in when tractor is delivered).....      | Inside the front cover |
| General.....                                                          | 2                      |
| Serial numbers, engine and tractor.....                               | 2                      |
| <b>Description</b>                                                    |                        |
| Before starting your new tractor.....                                 | 8, 9                   |
| Diesel fuel oil specifications.....                                   | 11                     |
| Instruments and controls.....                                         | 4 to 7                 |
| Preparing your tractor for each day's work.....                       | 9, 10                  |
| Views of the tractors.....                                            | 3                      |
| <b>Operating Your Tractor</b>                                         |                        |
| Driving the tractor.....                                              | 14 to 23               |
| Operating the diesel engine.....                                      | 12, 13                 |
| <b>Lubrication</b>                                                    |                        |
| General engine lubrication.....                                       | 24                     |
| Greasing the front wheels.....                                        | 26                     |
| Lubrication guide.....                                                | 30 to 33               |
| Lubrication table.....                                                | 29                     |
| Lubricating oil and grease specifications.....                        | 27, 28                 |
| Oil filter.....                                                       | 25                     |
| <b>Maintenance</b>                                                    |                        |
| Air cleaning system.....                                              | 48                     |
| Battery ignition unit.....                                            | 50 to 52               |
| Brakes.....                                                           | 66                     |
| Carburetor.....                                                       | 35, 36                 |
| Clutch.....                                                           | 67, 68                 |
| Cold weather precautions.....                                         | 43, 44                 |
| Cooling system.....                                                   | 45 to 47               |
| Diesel fuel system.....                                               | 37 to 43               |
| Gasoline strainer.....                                                | 35                     |
| Hydra-Touch system.....                                               | 73, 74                 |
| Hydraulic power steering.....                                         | 74, 75                 |
| Magneto (tractors so equipped).....                                   | 54 to 56               |
| Minor engine service operations.....                                  | 65                     |
| Periodic inspections.....                                             | 34, 35                 |
| Pneumatic tires.....                                                  | 70 to 72               |
| Spark plugs and cables.....                                           | 49                     |
| Starting and lighting equipment (tractors with battery ignition)..... | 57 to 62               |
| Starting and lighting equipment (tractors with magneto).....          | 61                     |
| Starting diesel engines that have been in storage.....                | 83                     |
| Storage battery.....                                                  | 63, 64                 |
| Storing and housing your tractor.....                                 | 82                     |
| Tachometer drive unit.....                                            | 53                     |
| Trouble shooting.....                                                 | 76 to 81               |
| Valve clearance adjustment.....                                       | 65                     |
| Wheels.....                                                           | 69                     |
| <b>Special Equipment</b> .....                                        | 84 to 92               |
| <b>Specifications</b> .....                                           | 93, 94                 |

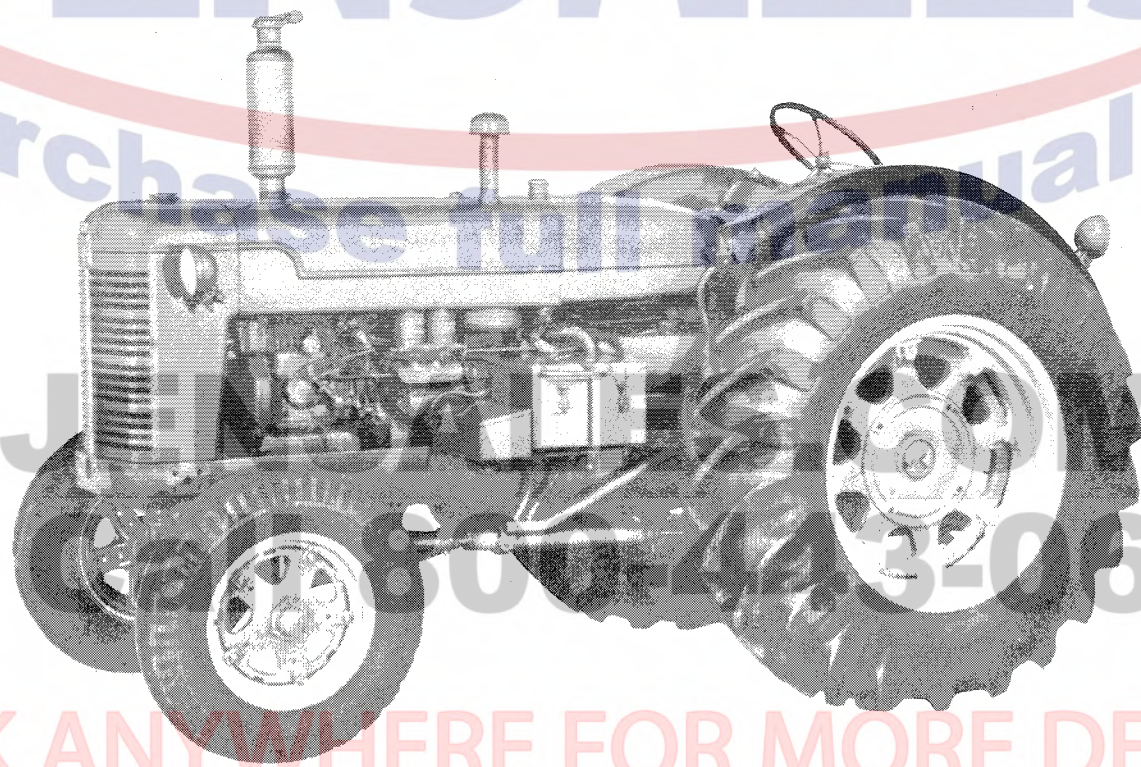
## DESCRIPTION

CLICK ANYWHERE FOR MORE DETAILS



A-42282

Illust. 3  
Right front view.

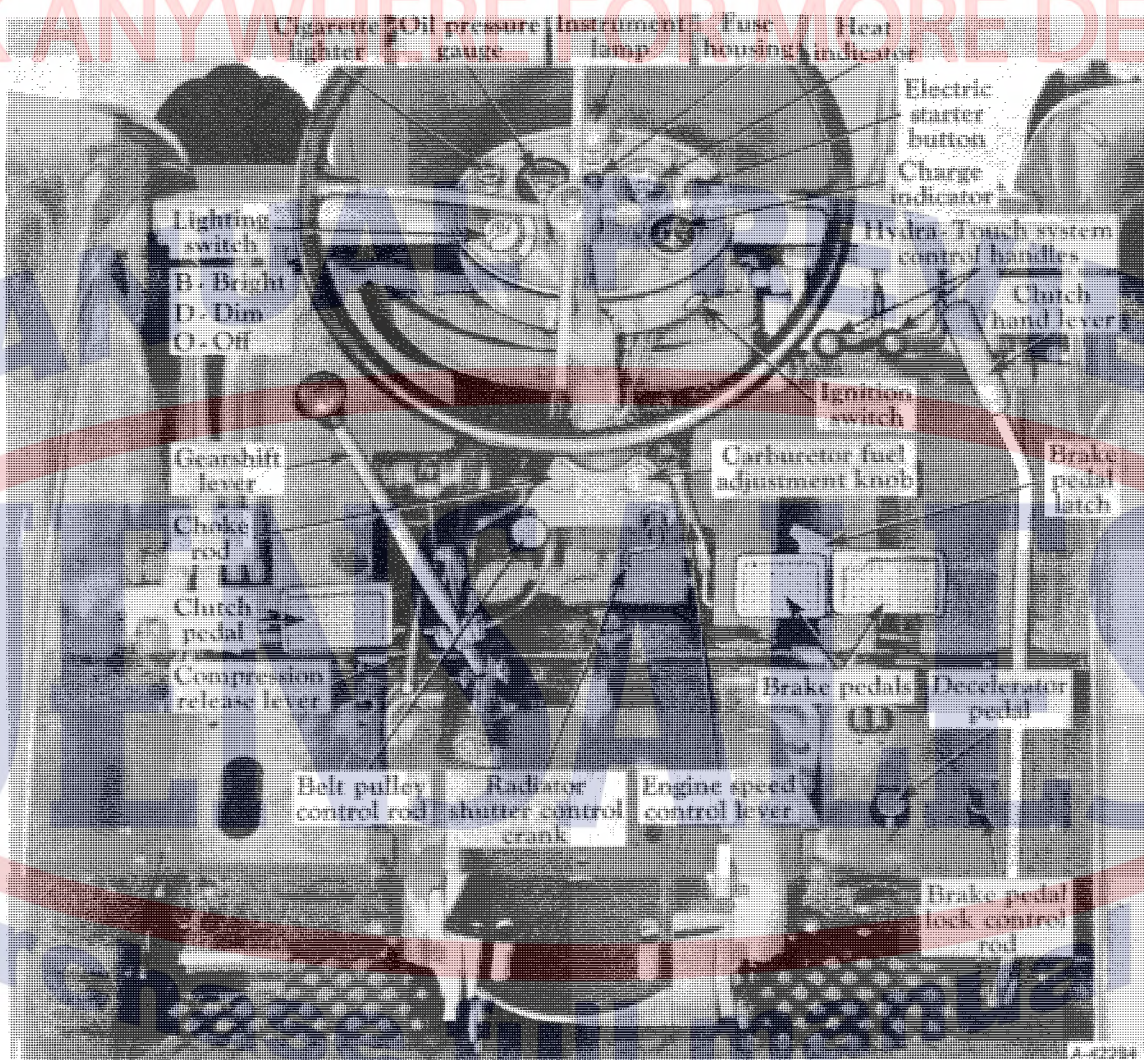


A-42283

Illust. 3A  
Left side view.

## DESCRIPTION

### Instruments and Controls



Illustr. 4

Location of instruments and controls.

(The clutch foot pedal and the clutch hand lever are not available on the same tractor.)

#### Brake Pedals

These pedals are used to stop the tractor, to hold the tractor in a stationary position, or to assist in making sharp turns as outlined below:

To stop the tractor, depress both pedals at the same time. Before driving the tractor in high gear, always latch the pedals together.

To hold the tractor in a stationary position, latch the pedals together, depress them and lock them in this depressed position by using the brake pedal lock control rod.

To assist in making a sharp turn, operate the pedals individually, depressing the pedal on the side toward which the turn is to be made.

The brake pedal latch (Illustr. 4) is used to latch both brake pedals together, causing the brakes to operate simultaneously.

**Caution!** Always latch the brake pedals together when driving the tractor in high gear (fifth speed). To latch the pedals together, engage latch "B" located in back of the right pedal (Illustr. 17) in the slot in back of the left pedal. When the brake pedals are not latched together, the latch should rest in the slot in back of the right brake pedal.

The brake pedal lock control rod (Illustr. 4) is used to lock the brake pedals in the depressed position. This prevents the tractor from moving when parked on a grade or when doing belt work.

## DESCRIPTION

### Clutch Pedal

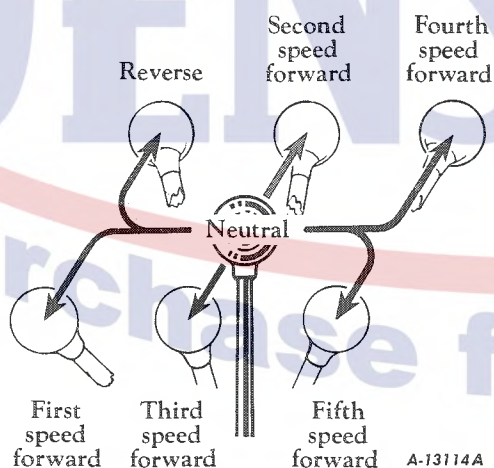
The clutch pedal is used to disengage the engine from the transmission. Push the pedal all the way down to disengage the engine clutch.

### Clutch Hand Lever

The clutch hand lever is used to disengage the engine from the transmission. Pull the lever all the way back to disengage the engine clutch.

### Gearshift Lever

The gearshift lever is used to select the various gear ratios provided in the transmission. There are five forward speeds and one reverse speed. The fifth speed is locked out when steel wheels are used; for further instructions, see page 16.



Illust. 5  
Gear shifting positions.

### Radiator Shutter Control Crank

The radiator shutter is not regular equipment on diesel tractors. The control crank opens and closes the shutter, controlling the engine temperature. Turn the crank counterclockwise to close the shutter and clockwise to open it. In cold weather, close the shutter when starting the engine and adjust

it as required to hold the needle of the heat indicator in the center of the "RUN" range for best engine performance.

### Compression Release Lever

Moving the compression release lever up converts the diesel engine into a gasoline engine for starting. Reduced compression, spark plug ignition, and carbureted gasoline fuel permit starting the engine as a gasoline engine. After a quick cylinder warm-up, switch the engine to diesel operation by moving the compression release lever all the way down. See pages 12 and 13 for the correct method of starting on gasoline and changing to diesel operation. See page 13 for changing back to gasoline operation before stopping the engine.

### Carburetor Fuel Adjustment Knob

The knob marked "P" located in the control panel regulates the amount of gasoline passing through the adjustable fuel jet in the carburetor to facilitate cold weather starting. See Illust. 4.

Turn this knob to the left (counterclockwise) to gradually open the fuel jet to admit more fuel, until the stop pin is reached. At this point, slightly past  $\frac{1}{2}$  turn, the fuel jet is fully open. To close the fuel jet, turn the knob to the right (clockwise) from the stop pin until some resistance is felt.

**Note:** Do not use force on the knob marked "P" to close the fuel jet, as this will cause undue wear on the jet valve and valve seat in the carburetor.

### Choke Rod

The choke rod makes it possible to regulate the carburetor choke from the driver's seat. Pulling out on the choke rod closes the carburetor choke for starting the engine; pushing it back in opens the choke.

## DESCRIPTION

### Ignition Switch

A key type lock ignition switch is located on the side of the instrument housing. Turn the key clockwise to a horizontal position to turn on the ignition. The key cannot be removed in this position.

### Electric Starter Button

Pushing this button in completes the electrical circuit between the battery and the cranking motor solenoid and causes the cranking motor pinion to engage the flywheel ring gear, thereby cranking the engine. Refer to page 12 for starting the engine.

### Lighting Switch

The switch has three positions: "D"-dim lights, "B"-bright lights, and "O"-off.

### Engine Speed Control Lever

The engine speed control lever enables you to adjust the engine speed to the load to be handled. The governor will automatically maintain the engine speed selected under variable loads. Retarding the engine speed control lever will decrease the load which the tractor can handle.

The rated or maximum full load governed speed is 1,500 r.p.m.; maximum idle speed is approximately 1,635 to 1,695 r.p.m.; minimum speed (hand throttle) is approximately 500 r.p.m.

### Decelerator Pedal

The decelerator pedal is used to reduce the speed of the tractor without changing the setting of the engine speed control lever when operating under adverse conditions.

### Hydra-Touch System Control Handles

These handles (*Illust. 4*) operate the Hydra-Touch

Remote Control. It is used to raise, partially raise, and lower direct-connected or trailing-type implements. *See page 21* for operating instructions.

### Power Take-Off Shifter Rod

The shifter rod is used to engage or disengage the power take-off. *See page 19* for operating instructions.

### Belt Pulley Control Rod

This rod is used to engage or disengage the belt pulley. *Refer to page 18* for operating instructions.

### Weathercap

The exhaust pipe is provided with a fully automatic weathercap which opens with the first slight pressure of the exhaust and closes the instant the engine is stopped.

Rain, dirt, and insects are kept from entering the exhaust and reaching internal parts of the engine. *See Illust. 3.*

### Tachometer

The tachometer records engine hours of operation, shows normal tractor speed in miles per hour in all forward gears, and indicates engine r.p.m., which provides a means of setting the exact engine speed specified for power take-off operations.

The tachometer has a mark on the lower half of the dial indicating a p.t.o. shaft speed of 538 r.p.m. at 1,500 engine r.p.m.

Refer to the table on page 18 for normal ground speeds according to tire sizes. Refer to "Power Take-Off Specifications" on page 19 for power take-off speeds.