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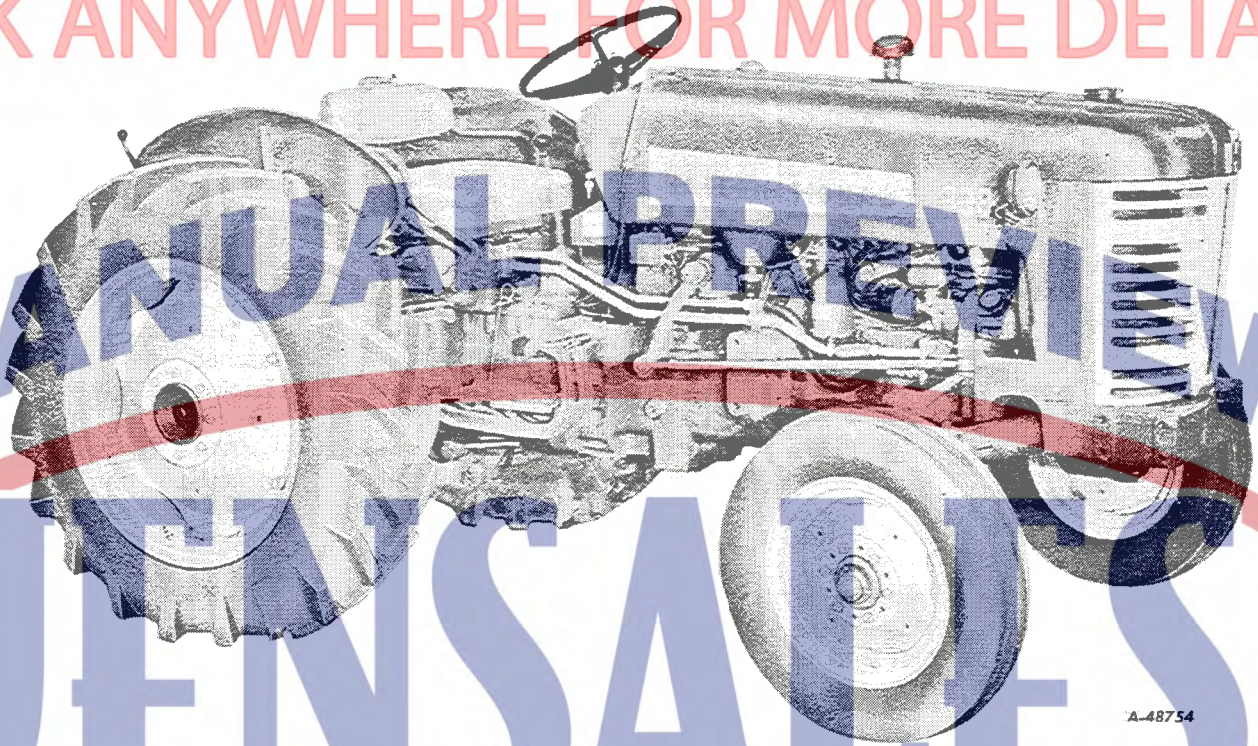
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DESCRIPTION

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A-48754

Illust. 3
Right front view.



A-48755

Illust. 3A
Left front view.

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OPERATING YOUR TRACTOR



Loose or "floppy" clothing should not be worn by the operator because of the danger of it wrapping on or getting into the moving parts.

6. Turn the ignition key clockwise to a horizontal position. Press the starter button (*Illustr. 4*) and release it as soon as the engine starts; however, do not operate the cranking motor for more than 30 seconds at any one time. If the engine does not start within this time, release the starter button and wait a minute or two; then try again. Slowly release the clutch after the engine starts.

Important! Never operating the cranking motor while the engine is rotating.

Hand-Cranking the Engine

1. Put the gearshift lever in the neutral position. See *Illustr. 5A*.
2. Open the shut-off valve under the fuel tank.
3. Pull the choke control button out all the way.
4. Advance the engine speed control lever one-third. See *Illustr. 5*.
5. Turn the ignition key clockwise to the horizontal position.
6. Crank the engine until it starts.

Caution! When cranking the engine, be sure the gearshift lever is in the neutral position. Always stand in a position that will eliminate any possibility of being struck by the starting crank if there is a reversal of the direction of the engine. Crank the engine by using quick upstrokes; do not spin it.

Note: Avoid overchoking, as excessive use of the choke will flood the engine, making it hard to start. The use of the choke control button for starting will vary, depending on temperature and altitude.



When starting the engine in a barn or garage, keep the doors wide open because exhaust gases from internal-combustion engines contain poisonous carbon monoxide which is odorless, tasteless and colorless.

After the Engine Starts

As soon as the engine starts, adjust the choke to a point where the engine operates without missing and, as the engine warms up, open the choke all the way by gradually pushing the choke rod all the way in. Do not use the choke control button to enrich the fuel mixture, except when starting the engine.

Immediately after the engine starts, check the oil pressure gauge (*Illustr. 6B*) to make sure lubricating oil is circulating through the engine. If it is not, stop the engine and inspect the oil system to find the cause of failure. If you are unable to find the cause, consult your International Harvester dealer before operating the engine.

Stopping the Engine

Retard the engine speed control lever by pushing it all the way up (*Illustr. 5*). Allow the engine to cool slowly from full-load operation by slowly idling the engine for a short time. Then turn the key counterclockwise to the "OFF" position to stop the engine. It is advisable to close the fuel shut-off valves if the engine is to be stopped for any length of time.



Be sure the gearshift lever of the tractor is in neutral before starting the engine.

MAINTENANCE

Shipping Tractors Equipped with Pneumatic Tires—Continued

Rear tires may be inflated up to 30 pounds pressure. Front tire inflations should not exceed maximum pressures shown in table on page 73. These higher pressures must be reduced to operating inflation BEFORE the tractor is removed from the carrier.

For farming operations a maximum speed of ten miles per hour is recommended.

Towing the Tractor

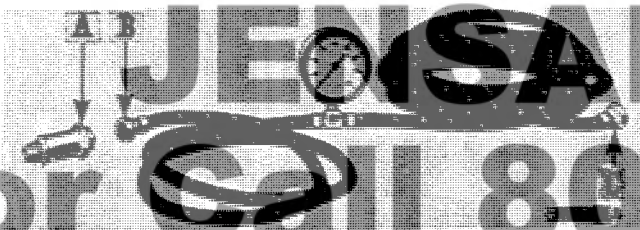
Caution! When towing the tractor to get it started, do not exceed the normal ground speed attained in the gear selected for towing the tractor. Refer to the table on page 15.

When towing the tractor to transport it from one place to another, the gearshift lever must be in the neutral position and the ground speed should not exceed twenty miles per hour.

Using the Spark Plug Pump

Note: Do not use a diesel engine as the source of power.

Remove one of the spark plugs from any carbureted engine and replace with pumping element "A" having the correct spark plug thread size. See *Illust. 74*. Attach one end "B" of the pump hose to the pumping element and other end "C" to the valve stem of the tire to be inflated. Start the engine and run it at low speed for maximum efficiency.



Illust. 74
Tire pump, hose and air gauge.

Mounting Tires on the Rims

After mounting a new or old tire on the rim, inflate it to thirty pounds pressure to seat the tire bead on the rim flange and to prevent the tire from creeping and shearing off the valve. Then deflate or inflate the tire to the correct operating pressure.

Traction and Weights

The tractor should not be operated with the tires improperly inflated. To insure the maximum hours of service, watch the tread lugs; if they wear down too fast, immediately add more weight to cut down slippage. Check for high air pressure. Consult your International Harvester dealer for information.

Wheel Weights

The drawbar pull of a tractor can be increased by adding cast-iron weights to the driving wheels, and by the use of liquid in the tire tubes.

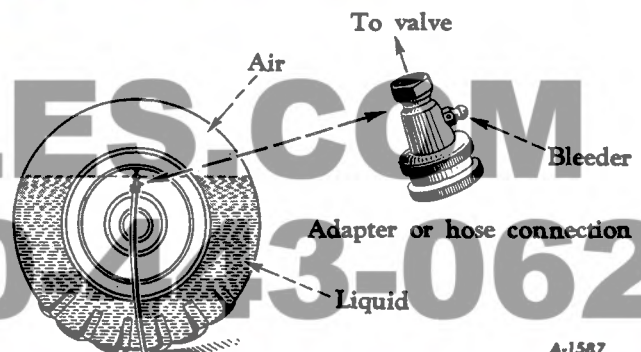
The amount of the increase in drawbar pull by the addition of certain definite weights varies with the type of soil. When very heavy weight is required, both liquid and cast-iron weights can be used.

After adding weight to the rear wheel, it may be necessary to readjust the height of the drawbar to obtain the correct alignment.

Overloading

Do not overload the tractor tires by mounting implements on the tractor which exceed the load capacity of the size of the tires on the tractor.

Liquid Weight



Illust. 74A
Tire three-quarters full of liquid.

Tractor tire tubes can be three-quarters filled with liquid, using clean water for temperatures above freezing (32°F.). A calcium chloride solution (CaCl₂) is recommended when operating in freezing temperatures.

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