



International Harvester Operator's Manual WD-9

Operator's Manual

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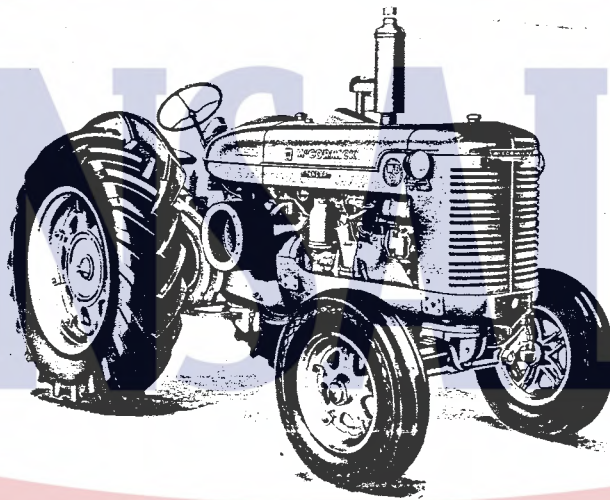


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IH-O-WD9

Operator's Manual



FOR

McCormick Deering International

WD-9

TRACTORS

INTERNATIONAL HARVESTER COMPANY

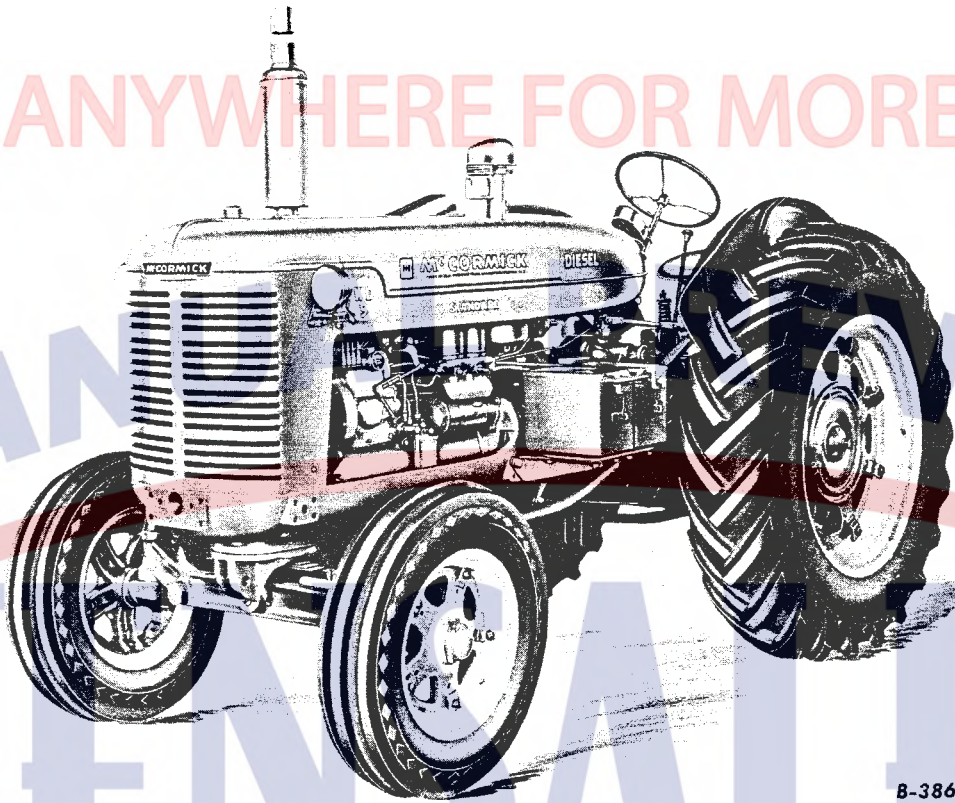
180 North Michigan Avenue

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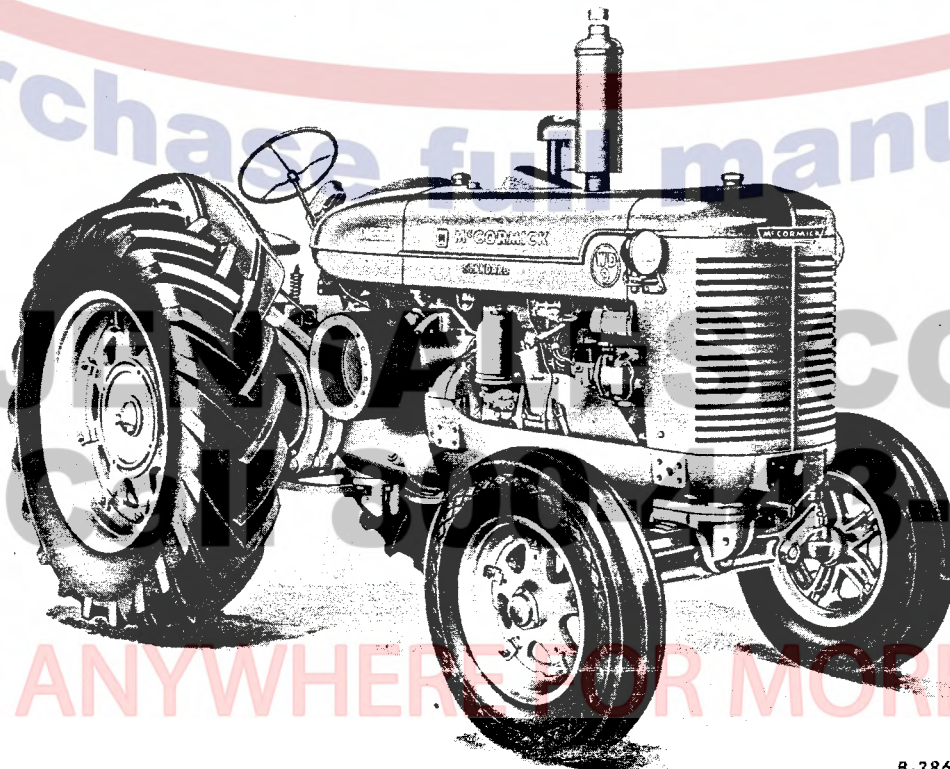
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DESCRIPTION



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Illust. 3 - Left front view of the WD-9 Tractor.



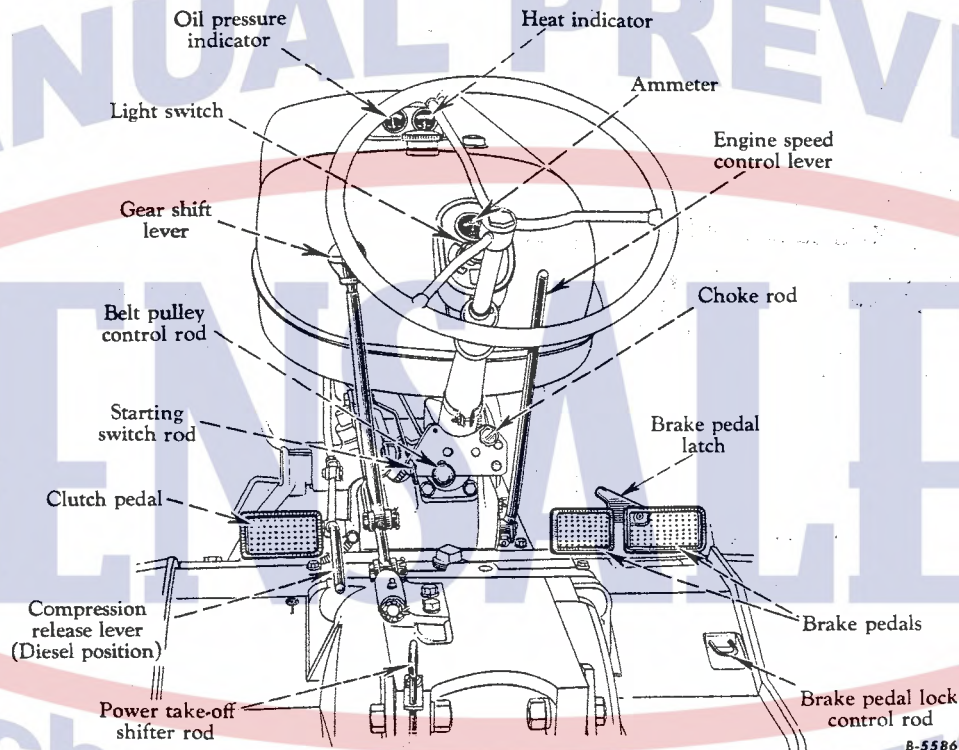
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Illust. 3A - Right front view of the WD-9 Tractor.

WD-9 DIESEL TRACTOR

Instruments and Controls

There is a variety of special equipment available for use with the WD-9. The instructions for operating and maintaining the special equipment have been included in the instructions for operating and maintaining the tractor. Disregard the instructions for special equipment that is not on your tractor.



Illustr. 4 - Instruments and controls.

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 450 to 550 r.p.m.

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 refer to page 12.

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.

ELECTRIC STARTER

The electric starter is a convenient means of cranking the engine. To start, adjust the choke rod and pull out on the starter switch rod, as explained on page 9.

COMPRESSION RELEASE LEVER

Moving the compression release lever up converts the Diesel engine into a gasoline engine for

Belt Pulley

This attachment supplies ready and economical power for operating numerous types of equipment.

NOTE: When operating the tractor on belt work with the front of tractor higher than rear, it is important that the correct oil level be maintained in the transmission. Check and add oil when necessary.

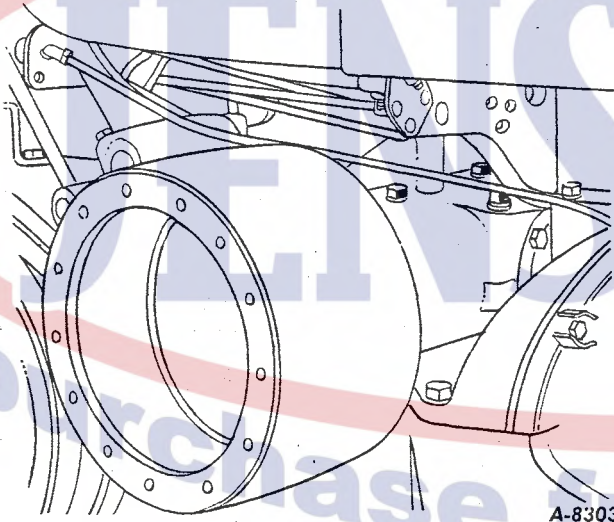
OPERATING BELT PULLEY

The gearshift lever must be in neutral position when operating the belt pulley.

Disengage the clutch and pull the pulley control rod back until the gears are in mesh; then slowly engage the clutch. The belt pulley is started and is stopped by the same clutch as the tractor; therefore, be sure to disengage the clutch before moving the pulley control lever.

Static electricity in tractors equipped with pneumatic tires doing belt work--

Static electricity generated by belt work can be discharged harmlessly by attaching a chain to the tractor and letting it touch the ground.

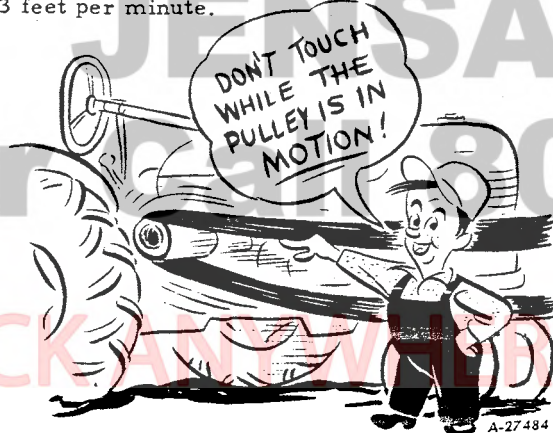


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Illustr. 53 - Belt pulley assembled on tractor.

BELT AND PULLEY SPEEDS

Pulley speed is 707 r.p.m. Belt speed with the regular 14-inch diameter x 8-1/2-inch face pulley is 2593 feet per minute.



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Don't put on or remove the belt from the belt pulley while the pulley is in motion.

Power Take-Off

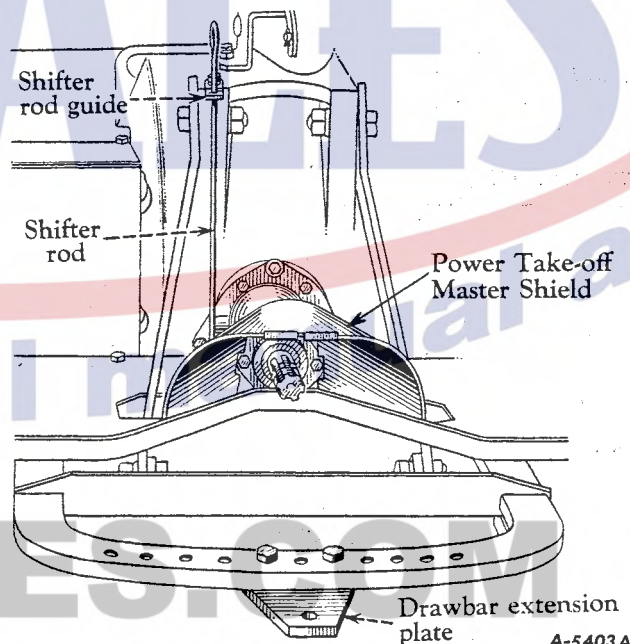
The farm Equipment Institute Advisory Committee of Engineers, in cooperation with the American Society of Agricultural Engineers, developed standard specifications for the power take-off, master safety shield, and drawbar hitch point to assure a safe and properly operating hitch. These standard specifications are known as the A.S.A.E. Standard Power Take-Off.

This standard was submitted to and has been adopted by practically all farm tractor and implement manufacturers. With tractors and pull-behind power-driven machines built to these standards or converted to them, it is possible to use any make and kind of power-driven machine with any make and model of tractor.

The power take-off for your tractor conforms to standard dimensions and will operate any implement built to these standards. Implements that do not conform to these standards may be adapted to your tractor by means of conversion packages. To secure conversion packages consult your local dealer handling your make of equipment.

TO OPERATE POWER TAKE-OFF

Tractor in Motion: Press the clutch pedal all the way down to disengage the engine clutch and pull the power take-off shifter rod all the way up. Shift



A-5403A

Illustr. 53A - Power take-off master shield assembled on tractor.

the transmission to the speed desired; then slowly release the clutch pedal. The power take-off is started and stopped by the same clutch as the tractor; therefore, be sure to disengage the engine clutch before moving the power take-off shifter rod.

Tractor Standing Still: The gearshift lever must be in neutral position.

Disengage the engine clutch and pull the power take-off shifter rod all the way up; then slowly engage the engine clutch.

Stop the power take-off before dismounting from the tractor.

SPECIAL EQUIPMENT

Spade Lugs for Rear Wheels

Special Lugs for Regular Steel Rear Wheels

- 6 inches high x 3-1/2 inches wide (64 lugs)
- 6 inches high x 4 inches wide (64 lugs)

Spade Lugs for Extension Tire

- 5 inches high x 3-1/4 inches wide (32 lugs)
- 6 inches high x 3-1/2 inches wide (32 lugs)
- 6 inches high x 4 inches wide (32 lugs)

Rear Wheel Overtire Attachments.

(For 48-Inch Diameter Steel Rear Wheels)

The overtire attachments provide a 3-1/2 or 4-inch smooth surface for tractors with lugs, to prevent damage to road surfaces, etc., *Illust. 57*.

3-1/2-inch tire for tractors with spade lugs 5 inches high by 3-1/4 inches wide.

4-inch tire for tractors with spade lugs 6 inches high by 3-1/2 or 4-inches wide.

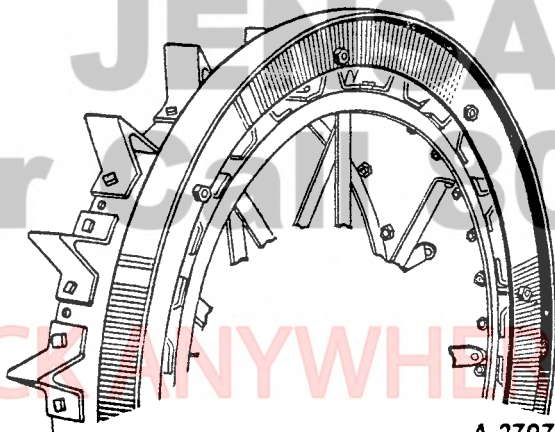
Rear Wheel Overtire and Rim Attachments

(For 48-Inch Diameter Steel Rear Wheels)

The overtire and rim attachments provide a six-inch surface where this is required.

For tractors with spade lugs 5 inches high by 3-1/4-inches wide.

For tractors with spade lugs 6 inches high by 3-1/2- or 4 inches wide.

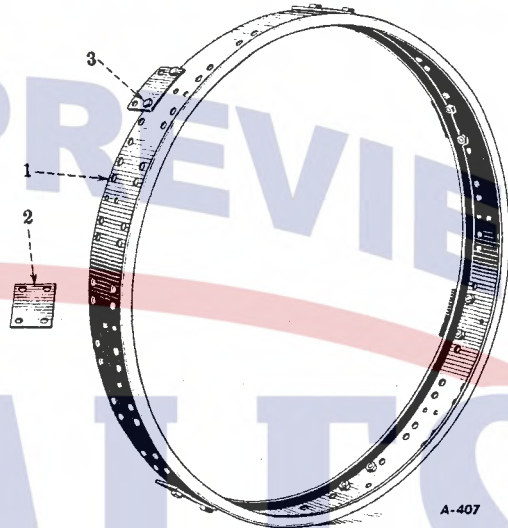


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Illust. 57 - Overtire attached to the rear wheel.

Rear Wheel Extension Tire

This attachment consists of two six-inch extension tires with attaching plates to increase the traction surface of the rear wheels when operating in soft or sandy soil.



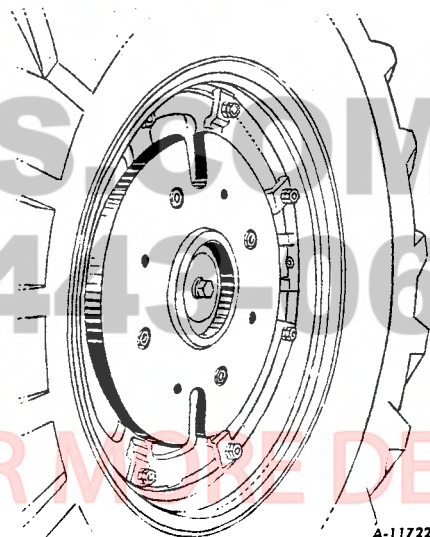
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Illust. 57A - View showing: (1) rear extension tire, (2) extension tire fastening plate, and (3) spade lug bolt.

Rear Wheel Weight

(For Tractors equipped with pneumatic tire rear wheels)

- (First, 155 lbs. Each) (Set of Two)
- (Second, 155 lbs. Each) (Set of Two)
- (Third, 155 lbs. Each) (Set of Two)

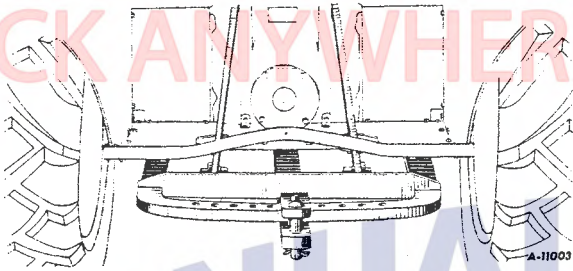


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Illust. 57B - First rear wheel weight assembled.

WD-9 DIESEL TRACTOR

Swinging Drawbar



Illust. 58 - Swinging drawbar.

This swinging drawbar is a desirable attachment when pulling trailing implements where shorter turns are required than can be obtained with the regular drawbar.

Starting and Lighting

Starting and lighting attachments added to your tractor give you extra conveniences, extra savings and extra hours that your tractor can be used.

With an electric lighting feature you can work after sundown or 24 hours a day if necessary, to make up lost time due to bad weather, to finish a job ahead of schedule, or to utilize hours that may change a loss into a profit. The starting motor, besides being a convenience to you, will save many

gallons of fuel ordinarily wasted when the engine is idled during "times out."

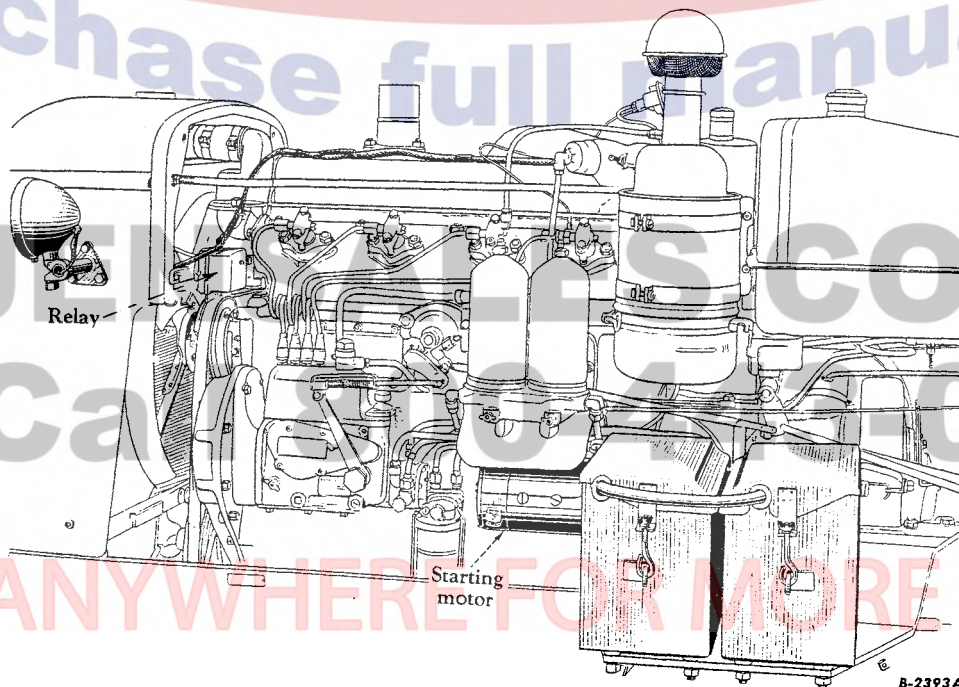
The following pages give information on the care and operation of these attachments. You are urged to read and study this information and, when ordinary care is exercised, you should be assured of satisfactory service.

OPERATION AND MAINTENANCE OF DELCO-REMY ELECTRICAL ATTACHMENT

Before working on any part of the electrical system, disconnect the battery ground cable. Do not reconnect the battery ground cable until all electrical work has been completed. This will avoid shorting and causing damage to any of the electrical units.

Be sure that all terminals are clean and securely fastened and that there are no broken wires anywhere in the electrical circuit.

WARNING! The generator will burn out if operated with the battery cables or battery charging circuit cables disconnected or broken. If it is necessary to operate the generator without the battery, remove the connection from the "F" terminal on the generator frame.



Illust. 58A - Battery boxes, starting motor and cables.