



**International
Harvester**
Operator's Manual
**Super W6-TA &
Super W6-TA Torque
Amplifier
Diesel**

JENSALES.COM

or Call 800-443-0625



THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
INTERNATIONAL HARVESTER OR IT'S SUCCESSORS. **INTERNATIONAL HARVESTER** AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

IH-O-SUPWD6TA

Operator's Manual

Operator's Manual

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW



MCCORMICK®

Super W6-TA

and

Super W6-TA Torque Amplifier

Diesel Tractors

JENSALES.COM

or Call 800-443-0625

© Registered Trademark

CLICK ANYWHERE FOR MORE DETAILS

INTERNATIONAL HARVESTER COMPANY

180 North Michigan Ave.

Chicago 1, Illinois, U.S.A.

Compiled and Reproduced From Original by Jensales Inc.

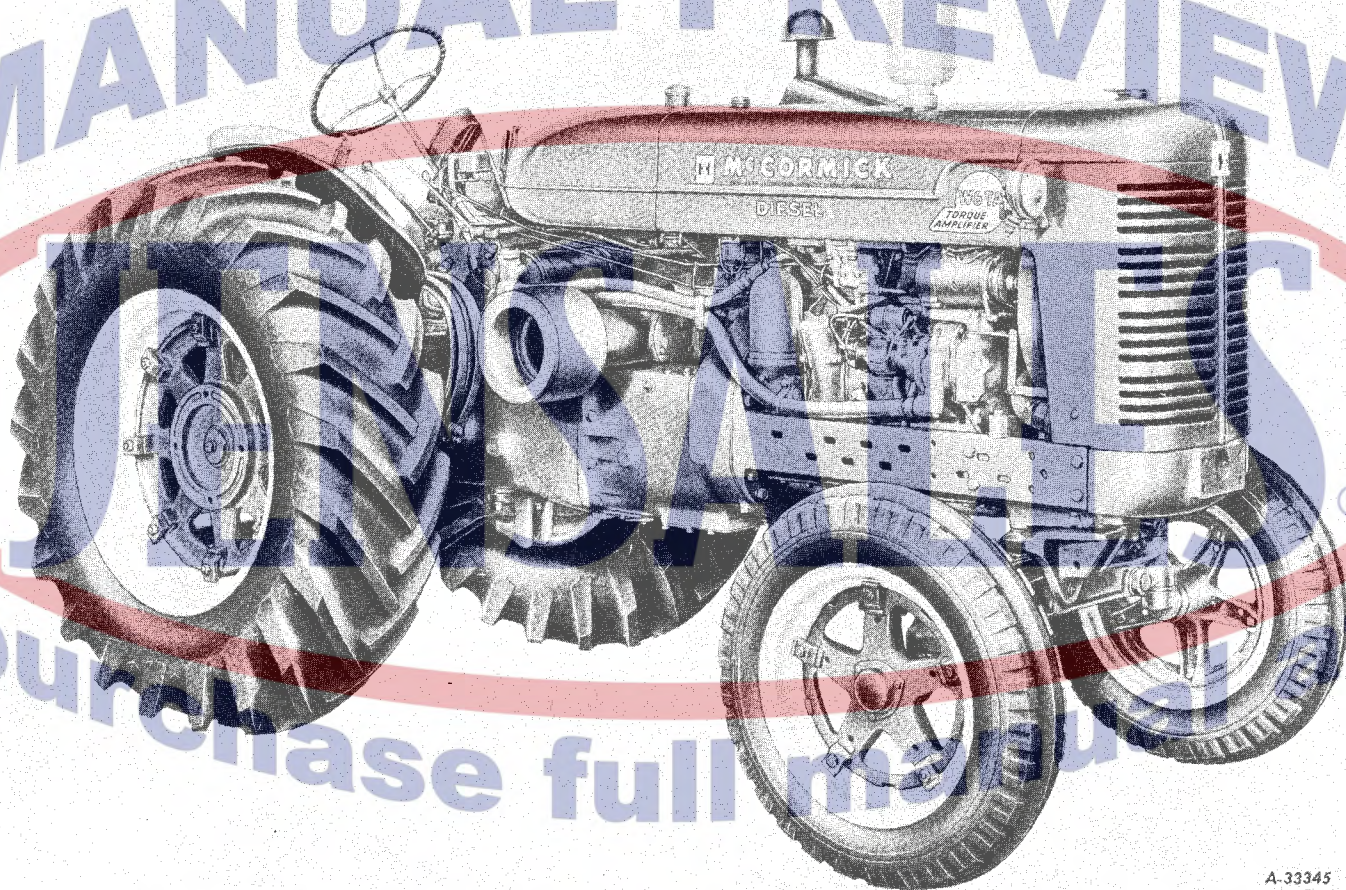
CONTENTS

Description	Page No.	Description	Page No.
INTRODUCTION		MAINTENANCE	
Delivery report (to be filled in when tractor is delivered).....	Inside Front Cover	Air cleaning system.....	51, 52
General.....	2	Battery ignition unit.....	54 to 57
Serial numbers, engine and tractor.....	2	Brakes.....	70, 71
DESCRIPTION		Carburetor.....	38, 39
Before starting your new tractor.....	8	Clutches.....	72, 74
Diesel fuel oil specifications.....	11	Cold weather precautions.....	47, 48
Instruments and controls.....	4 to 7	Cooling system.....	48, 51
Preparing your tractor for each day's work.....	9 to 11	Diesel fuel system.....	40, 47
Views of the tractor.....	3	Front wheels.....	75
OPERATING YOUR TRACTOR		Gasoline strainer.....	38
Driving the tractor.....	14 to 17	Hydraulic Remote Control System.....	79
Hitching the tractor to the implement....	19, 20	Independent power take-off.....	74
Operating the belt pulley.....	18, 19	Magneto (tractors so equipped).....	57, 60
Operating the diesel engine.....	12, 13	Minor engine service operations.....	69
Operating the Hydraulic Remote Control system.....	23, 24	Periodic inspections.....	37, 38
Operating the independent power take-off	22, 23	Pneumatic tires.....	76, 78
Operating the pneumatic tire pump.....	19	Rear wheels.....	75
Operating the torque amplifier.....	17, 18	Spark plugs and cables.....	53
Operating the transmission-driven power take-off.....	21	Starting and lighting equipment.....	61 to 66
LUBRICATION		Starting diesel engines that have been in storage.....	86
General engine lubrication.....	25	Storage battery.....	67, 68
Greasing the front wheels.....	27	Storing and housing your tractor.....	85
Lubrication guide.....	30 to 36	Trouble shooting.....	80, 84
Lubricating oil and grease specifications..	27 to 29	Valve clearance adjustment.....	69
Lubricating oil filter.....	26	SPECIAL EQUIPMENT..... 87 to 99	
SPECIFICATIONS..... 100, 101		COMPREHENSIVE INDEX..... 102 to 104	

DESCRIPTION

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW



A-33345

JENSALES.COM

Illust. 3
Right front view.

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

DESCRIPTION

Clutch Pedal

This pedal, when depressed all the way, disengages the engine from the transmission.

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.

Ignition Switch Button

This button closes and opens the electrical circuit for operating and stopping the engine. Pull the button out for operating and push it in to stop the engine.

Caution! On tractors with battery ignition, when the engine is not operating or the engine has stalled and the operator leaves the tractor, the ignition switch button must be pushed all the way in, so that the switch is in the off position, to prevent battery discharge.

Starting Switch Control Lever

To start the engine, adjust the choke rod and pull back on the starting switch control lever as explained on page 12.

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 speed of the engine to the load to be handled. After you have selected the desired engine speed, the governor will automatically maintain this engine speed under variable loads. Retarding the engine speed control lever will decrease the load the tractor can handle.

The rated or maximum full-load governed speed is 1,450 r.p.m.; maximum idle speed is approximately 1,600 r.p.m.; minimum speed (hand-throttle) is approximately 500 r.p.m.

Compression Release Lever

Moving the compression release lever forward converts the diesel engine into a gasoline engine for starting. Reduced compression, spark plug ignition, and carbureted gasoline fuel permits 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 back. 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.

Radiator Shutter Control Crank

The control crank opens and closes the radiator shutter, controlling the engine temperature. Turn the crank counterclockwise to close the shutter and clockwise to open the shutter.

Note: Diesel tractors are not regularly equipped with a radiator shutter.

DESCRIPTION

Before Starting Your New Tractor

Lubrication

Tractors shipped to destinations in the United States of America, Canada, and Mexico are filled with oil in all parts before leaving the factory. The lubricant in the crankcase, air cleaner and injection pump in diesel engines shipped from the factory can be used for the first 50 hours of operation. This oil should then be drained from the crankcase, air cleaner and injection pump and replaced with the required amount of fresh oil having the physical properties and proper viscosity grade for the prevailing air temperature and type of service.

Tractors packed for export have all oil drained from the engine crankcase, air cleaner and injection pump.

Before starting the engine for the first time, remove the spark plugs and put about one teaspoonful of crankcase oil into each cylinder; replace the spark plugs and crank the engine to distribute the oil over the cylinder walls. This assures positive lubrication of the cylinders and pistons immediately after starting and eliminates the possibility of scoring.

Lubricate the entire tractor, using the "Lubrication Guide."

Check the oil levels of the engine crankcase, air cleaner, transmission, belt pulley housing, and all gear cases to see that they are filled to the correct levels with oil of the proper viscosity for the prevailing temperature. See the "Lubrication Guide" and the "Lubrication Table" on page 29.

Engine Cooling System

The cooling system capacity is approximately seven U. S. gallons.

Be sure the radiator drain and crankcase water drain are closed. Remove the vent plug in the side of the thermostat housing (*Illust. 49*). Add water and replace the plug when water appears at the vent hole. Then fill the radiator to a level approximately $2\frac{1}{4}$ inches below the top of the filler neck. Filling the radiator to this level will allow for expansion of the coolant under normal operating conditions. Use clean water; soft or rain water is recommended, as it does not contain alkali, which forms scale and eventually clogs the passages.

When filling the radiator for the first time or when refilling a completely drained radiator, remove the vent plug in the right side of the thermostat housing (*Illust. 49*) and replace the plug when water appears. Never start or operate the engine without water or antifreeze in the cooling system except as

instructed in "Cold Weather Precautions" on page 47.

For further information see "Cooling System" (page 49). If the tractor is to be operated in freezing temperatures ($+32^{\circ}$ F. or lower), see "Cold Weather Precautions" on page 47.

Fuel System

Fill the fuel tank (capacity $20\frac{1}{2}$ U.S. gallons). Fill the gasoline tank (capacity approximately $\frac{7}{8}$ U.S. gallon) with good-quality, clean gasoline. Carefully strain the gasoline and diesel fuel to be sure they are free from foreign substances. Do not use dirty fuel. See "Diesel Fuel Oil Specifications" on page 11. Vent the entire fuel system as described on page 46.

To obtain best results, use the fuel for which the tractor is designed, follow the operating instructions given for that fuel and observe the following precautions:

Use clean fuel and keep it clean. Store fuel in tanks equipped with hose and nozzle to prevent contamination of the fuel. The use of funnels, cans and drums is not recommended because they are difficult to keep clean.

Battery-to-Ground Cable

Tractors shipped from the factory with starting and lighting equipment have the battery-to-ground cable disconnected and taped. Therefore, before attempting to start the engine, be sure the battery-to-ground cable is connected to the ground.

Pneumatic Tires

Before moving the tractor, check the air pressure in the pneumatic tires and inflate or deflate the front and rear tires to the correct operating pressures. See the table on page 76.

Steel Wheels

If your tractor is equipped with steel wheels, or has new wheel and lug installations, it is advisable to check and tighten the rear wheel bolts at intervals to be sure that the lugs seat properly.

Instruments and Controls

Thoroughly acquaint yourself with all instruments and controls as described on pages 4 to 7.