4366 Tractor

Operators Manual

1084394R1

Reprinted

CASE IH

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This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about your safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death. SB001

IF THIS MACHINE IS USED BY AN EMPLOYEE, IS LOANED, OR IS RENTED, MAKE SURE THAT THE OPERATOR UNDERSTANDS THE TWO INSTRUCTIONS BELOW.

BEFORE THE OPERATOR STARTS THE ENGINE:

1. GIVE INSTRUCTIONS TO THE OPERATOR ON SAFE AND CORRECT USE OF THE MACHINE.
2. MAKE SURE THE OPERATOR READS AND UNDERSTANDS THE OPERATOR'S MANUAL FOR THIS MACHINE.

WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH.

BEFORE STARTING THE ENGINE, DO THE FOLLOWING:

1. READ THE OPERATOR'S MANUAL.
2. READ ALL SAFETY DECALS ON THE MACHINE.
3. CLEAR THE AREA OF OTHER PERSONS.

LEARN AND PRACTICE SAFE USE OF MACHINE CONTROLS IN A SAFE, CLEAR AREA BEFORE YOU OPERATE THIS MACHINE ON A JOB SITE.

It is your responsibility to observe pertinent laws and regulations and to follow manufacturer's instructions on machine operation and maintenance.

See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

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To The Owner

Your new International 4366 Articulated Turbo Diesel Tractor is designed to meet today's exacting operating requirements. The ease and comfort of operation, the ability to match ground speeds to engine power and work requirement, and the effortless versatility of the hydraulic system are intended to lighten your work and shorten your hours on the job.

Your local International Harvester dealer is interested in the performance you receive from this tractor. He has factory-trained servicemen, informed in the latest method of servicing tractors, and modern tools, and original-equipment IH service parts which assure proper fit and good performance.

To obtain top performance and assure economical operation the tractor should be inspected, depending on its use, periodically, or at least once a year, by your International Harvester Dealer.

Before you operate the tractor study this manual carefully. It has been prepared to help you operate and maintain your tractor with utmost efficiency. New copies may be ordered from your dealer at a nominal price.

When in need of parts, always specify the tractor and engine serial numbers, including prefix and suffix letters. Write these serial numbers in the spaces provided.



Worldwide graphic symbols are used to assist identification and operation. In this manual, an identifying symbol is placed by the instructions like the example at left for the symbol on the engine oil pressure gauge. The cylinder block in the symbol represents the engine, the drop signifies oil, and the arrows indicate pressure. Regardless of the language used in a nation, this symbol means engine oil pressure without translation.

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February, 1975

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DRIVING THE TRACTOR

NOTE: The cab electrical system is not on until the key switch is on.

OPERATING THE CAB CONTROLS

Air Conditioner Switch and Control

This control has an "Off", "Warm", "Cool", and "Cold" position for temperature control of the discharged air.

To help control humidity the heater may be turned on while operating the air conditioner.

The pressurizer fan switch must be turned on for the air conditioner system to operate.

Be sure to keep your doors closed when air conditioner is in operation.

Operate the air conditioner a few minutes each week during the off season to lubricate the seals.

If the unit freezes up it may become necessary to turn the control to a warmer setting.

Pressurizer Fan and Speed Switch

This control turns the pressurizer fan on and regulates air into cab.

"L" (low), "M" (medium), and "H" (high) speeds are available.

This switch must be turned on to deliver heated or cooled air into the cab through adjustable louvers.

Windshield Wiper Switch

The windshield wiper is controlled by an "On" and "Off" switch.

Heater Temperature Control

This switch has an "Off" and "Heat" position. In the "Heat" position engine coolant flows through the heater core. The pressurizer fan switch and control must be turned on to deliver heated air.

Rear View Mirror

This mirror enables the operator to view conditions at the rear of the tractor.

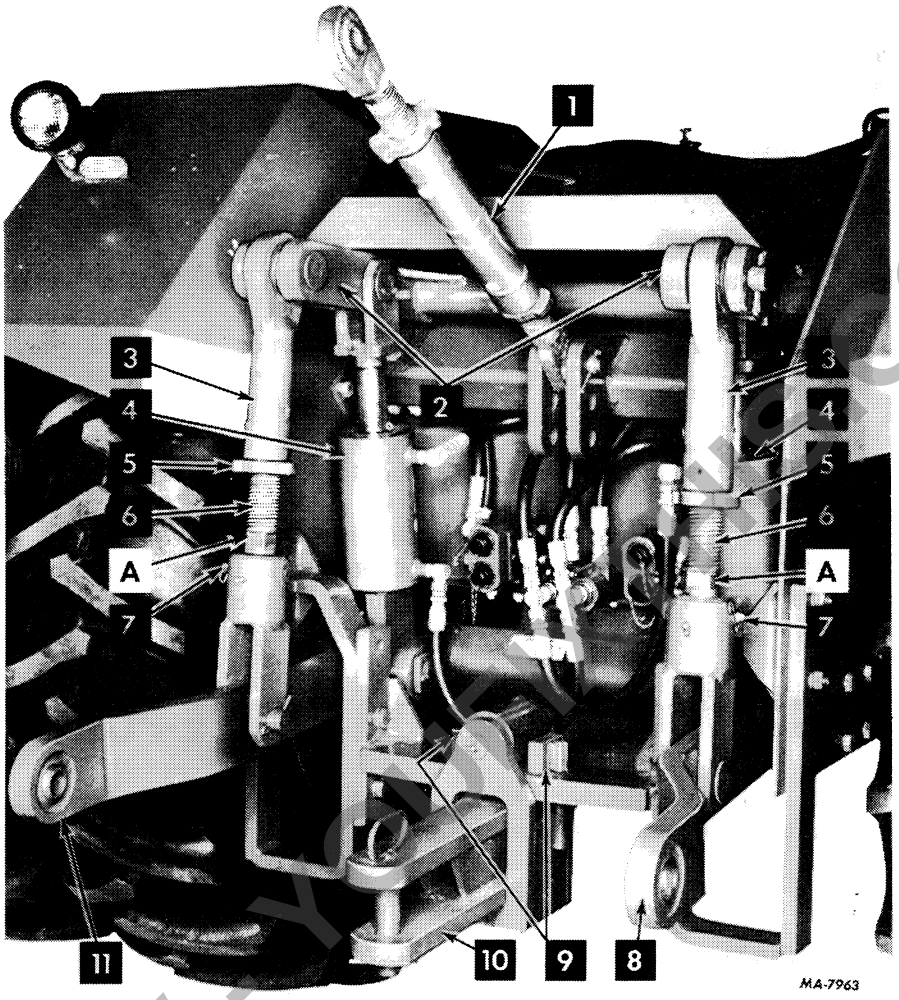
Dome Light

The dome light is on a live circuit and can be operated independent of tractor key switch. It is turned "On" and "Off" by a pushbutton switch adjacent to the light.

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THREE-POINT HITCH



1 - Hitch upper link (and lock nuts)
2 - Rockshaft arms
3 - Right and left lift links
4 - Right and left hydraulic lift cylinders
5 - Right and left leveling screw lock nuts
6 - Right and left leveling screws
7 - Right and left float pins
8 - Right lower link
9 - Drawbar stop pins
10 - Roller-type swinging drawbar
11 - Left lower link

Principal parts of three-point hitch with roller-type swinging drawbar.

The three-point hitch, provides a fast and convenient means of attaching rear mounted equipment conforming to A.S.A.E. and S.A.E. specifications. You can mount Category III International Harvester Company three-point equipment or most three-point equipment of other manufacturers.

NOTE: When operating the three-point hitch, the swinging drawbar must be locked in the center of the drawbar support with the lockout pins, to prevent damage and assure proper operation of the hitch. The swinging drawbar may be removed from the tractor, if preferred.

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ENGINE COOLANT HEATER

One 1250 watt (or two 600 watt on some tractors) engine coolant heater is used to warm the coolant to aid in starting the engine in cold weather conditions. It is located on the left side of the engine and requires a 3 wire extension cord and a 120 volt AC grounded outlet for safe operation.

PRIMING THE TURBOCHARGER

NOTE: Prime the turbocharger, when the engine has been idle for one month or more, after installation of a new or rebuilt turbocharger, or after installing a new oil filter element.

This provides sufficient lubrication for the turbocharger bearings until normal engine lubrication is established.

To prime the turbocharger proceed as follows:

Set the engine speed control lever in the shut-off position.

Press the push button starting switch and crank the engine until the engine oil pressure builds up, or to a maximum of 30 seconds.

Wait one minute, then advance the engine speed control lever slightly and start the engine. As soon as the engine starts, position the speed control lever to obtain approximately 1000 engine r.p.m. Allow the engine to operate at this speed for at least 2 minutes before going to a higher speed or load.

STARTING THE ENGINE

When Temperatures Are Above Freezing

Be sure the shut-off valve in the fuel line is open.

Put the speed transmission lever in the "N" neutral position.

When the speed control lever is set at adjustment screw closest to operator, the engine speed is at low idle. When the lever is at the furthest adjustment screw from operator, the engine speed is at high idle.

Place the engine speed control lever at intermediate idle position for starting. During cold weather or when required, improved starting can be obtained by placing the engine speed control lever in high idle position.

NOTE: If the high idle position is used for starting, as soon as the engine starts, reset the engine speed control lever to obtain approximately 1,500 to 2,000 r.p.m.

Depress the clutch pedal which also closes the starting switch.

Turn the key switch to the "On" position.

Press the push-button starting switch until the engine starts.

NOTE: Do not operate the cranking motor for more than 30 seconds at any one time. If the engine does not start within this time, wait one minute and then crank again.



When engine starts, check the oil pressure. If there is no oil pressure stop engine immediately.

If the engine fails to start after following the above procedure, see your International Harvester dealer.

When Temperatures Are Below Freezing

At temperatures below freezing, it may be necessary to use ether as a starting aid.

Remove the protective plug or the empty container from the bottom of the ether injection assembly and install an approved can of ether in place. Proceed as follows:

Follow the instructions under "Temperatures Above-Freezing" to the step where you turn the key switch on, then continue as follows:

Press the push-button starting switch and, with the engine cranking, press the ether assist push-button until the engine starts.

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LUBRICATION TABLE

Engine Oils Meeting Standards As Shown Under "Engine Oil" Must Be Used In These Engines.

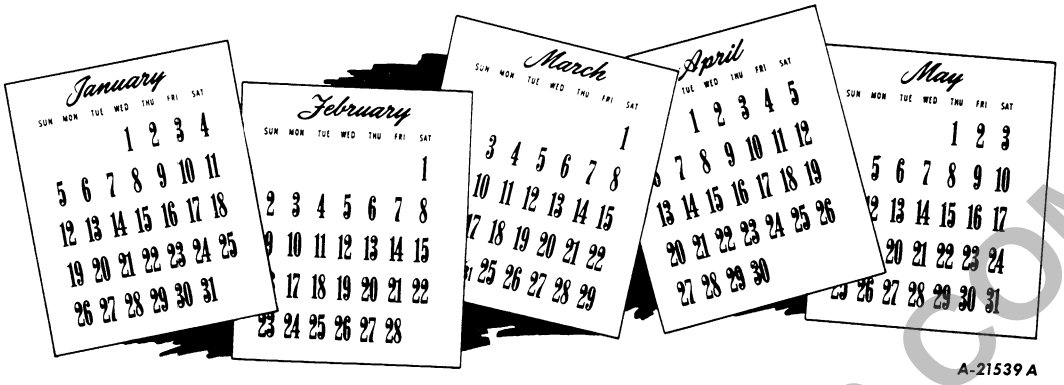
Point of Lubrication	Capacity	Anticipated Air Temperature			
		Above +32°F.	32°F. To +10°F.	+10°F. To −10°F.	Below −10°F.
Diesel Engine Crankcase. Without Filter Change.	17 Qt.	IH No. 1 SAE-30	IH No. 1 SAE-10W	15-1/4 Qt. SAE-10W W/1-3/4 Qt. Kerosene	13-1/2 J Qt. SAE-10W W/3-1/2 Qt. Kerosene
With Filter Change	20 Qt.			18-1/4 J Qt. SAE-10W W/1-3/4 Qt. Kerosene	16-1/2 Qt. SAE-10W W/3-1/2 Qt. Kerosene
Point of Lubrication	Capacity	Lubricant			
Rear Drive Unit Front Drive Unit Transmission Transfer Case*	31 Gal. 31 Gal. 12-1/2 Qts. 1 Gal.	IH Hy-Tran® Fluid If fluid is used which does not meet requirements of IH B-6 Specification, International Harvester Company will not be responsible for substandard performance of transmission and hydraulic components. "Note: Failures due to use of improper fluid are not covered by warranty, FOR MAXIMUM PROTECTION USE IH HY-TRAN FLUID."			
Lubrication Fittings	XXX	Use IH 251 IH EP grease or equivalent #2 multi-purpose lithium grease for fittings on which the hand lubricator is applied.			

*Transfer case filled by power steering return oil to reservoir.

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TRACTOR PREVENTIVE MAINTENANCE



To keep your tractor performing efficiently, it is advisable to systematically inspect the following points at intervals as outlined below.

Before Operating the Tractor

Before operating a new tractor for the first time, be sure to follow the instructions given in "Driving the Tractor" also see "Lubrication Section".

After the First 10 Hours of Operation

Hydraulic fluid filter	Replace filters. Refer to "Hydraulic Fluid Filter".
Water pump, fan and alternator-generator belts	Check tension. Refer to "Cooling System".

After Every 10 Hours of Operation

Cooling system	Check level of coolant in recovery reservoir. Refer to "Cooling System".
Fuel tank water drain cock	Drain off water and sediment. Refer to "Fuel System".
Lubrication points	See "Lubrication Guide".

After the First 50 Hours of Operation

Flexible rubber connection between air cleaner and turbocharger	Inspect for loose fit or leakage. Refer to "Air Cleaning System".
Engine manifold bolts	Check and tighten if necessary.
Tires	Check pressure, Refer to "Tires".
Radiator core and transmission oil cooler	Inspect, clean if necessary. Refer to "Cooling System".
Water pump, fan and alternator-generator belts	Check tension; replace when necessary.
Lubrication points	See "Lubrication Guide".

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