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Operator's Manual

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Operators Manual

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CAUTION

Read the Operator's Manual.
Learn to operate this machine SAFELY.
Be alert. Observe ALL Safety Practices.
Machines can be hazardous in the hands of an UNFAMILIAR, UNTRAINED or COMPLACENT operator.
Don't risk INJURY or DEATH.

MA-10034

INTRODUCTION

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1 - Right
2 - Rear

3 - Left
4 - Front

Illustr. 2
Terms of location.
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LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the driver's seat. See Illustr. 2.

The illustrations in this manual are numbered to correspond with the pages on which they appear; for example, Illustr. 2, is on page 2.

A variety of optional equipment is available. Refer to "Optional Equipment". Operating and maintenance instruction on these items is included in the instructions for operating or Maintaining the tractor.

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ENGINE AND FUEL SYSTEM

STOPPING THE ENGINE

To prevent excessive loss of water in the cooling system due to expansion after heavy-load operation at high ambient temperatures, the engine should be run at high idle or at approximately 1500 r.p.m. until the temperature gauge reaches its lower normal position before stopping.

Allow the engine to cool gradually after working the tractor. By idling the engine three to five minutes before shutting it down, the engine oil and the cooling system will carry heat away from the engine and the turbo charger.

To stop the engine, retard the engine speed by pushing the control lever all the way up to the stop pin. Then lift the control lever up and over the stop pin and move it all the way to the stop on the quadrant. Turn the key switch to the "OFF" position.

Discard the container.

Install the new container between the bail.

Tighten the knurled adjusting screw (turning counterclockwise) and, at the same time, guide the container head into the injector body.

Turn the aerosol can back and forth to be sure it is seated properly in the injector body. Tighten the knurled adjusting screw to hold the container firmly in position.

Note: In the event that the ether fluid container is not used, it is important to keep the protective cover (if so equipped), or an empty container (if available) in the injector body.

This will prevent any dirt, dust, or foreign material from clogging the injector body or the fine mesh screen in the nozzle.

CHANGING THE ETHER FLUID CONTAINER



Illust. 22
Removal of ether aerosol can.

DRAINING WATER FROM THE TRACTOR FUEL TANK

The fuel tank drain valve is located under the left front side of the fuel tank.

After allowing time for the water and sediment to settle to the bottom of the tank, open the valve and drain the tank until uncontaminated fuel appears. Then close the valve.

FUEL FILTERS

Turn the knurled adjusting screw clockwise until the starting fluid container can be removed from the injector body. Take care not to lose the ether can seal gasket in the injector body when removing the container.

The primary and final filters are replaceable. These filters are of the spin-on type which cannot be cleaned and should not be disturbed except when it is necessary to replace them.

AUXILIARY VALVES, REMOTE CYLINDERS AND HYDRAULIC OUTLETS

The proper junction port should be connected to the cylinder port to assure that the cylinder piston rod will raise the implement when the auxiliary valve levers are moved rearward and lower the implement when they are moved forward.

Reverse the hoses if the implement works the opposite way.

CONNECTING HOSES TO THE REAR HYDRAULIC OUTLETS

1. Place the actuating lever in the (off) angled position. See Illust. 34.

2. Push the spool, at the front of the coupler, rearward (toward the rear of the tractor). This will release the dust plug. See Illust. 34.



1 - Actuating lever angled (closed position)

Illust. 34

Rear coupler ready for connection of hose.

Now release your fingers from the spool and push the male end forward until it locks tight. See Illust. 34A.

4. Rotate the actuating lever to the on position (straight). The fluid can now flow through.

DISCONNECTING

1. Rotate the actuating lever to the off position (angled). See Illust. 34.

2. Push the internal spool, at the front of the coupler (rearward) toward the rear of the tractor. This will release the male coupler. See Illust. 34.

3. Push the dust plug into the female coupling, until it locks tight.

If the hoses are pulled out (breakaway) and even though the actuating lever is in the open position the internal female check ball closes, preventing discharge of the tractor hydraulic fluid from the coupler.



1 - Actuating lever straight (open position)

Illust. 34A

Hose connection completed.

SPECIFICATIONS

POWER TAKE-OFF SHAFT SPEEDS R.P.M.

1000 r.p.m. PTO:	
At full load (governed speed)	
(2400 r.p.m.)	1159
At high idle (governed speed)	1256
At low idle speed	338
At 2100 r.p.m. engine speed	
(standard shaft speed)	1014

ELECTRICAL SYSTEM

System voltage	12 volt neg. ground
Battery size	7DA-204 (2 used in series)
Alternator-generator, Delco Remy	
(with internal regulator)	
Cabs without air conditioner	72 amperes
Cabs with air conditioner	
Cranking motor, Delco-Remy	Positive engagement, push button controlled
Light switch	4 position
Lamps - all glass, sealed beam units	12-16 volt
Fuses (cartridge type)(20 ampere)	3AG-20
Sealed beam lamps	Lamp No.
Headlights (front bolster)	#4411
Headlights (fender-outer)	#4411
Floodlights (fender-inner)	#4406
Rear light (combination rear light	
and taillight)	#4603
Bulbs	
Taillight (combination rear light and	
taillight)	#1003
Warning light	#1156
Tellites	# 257
Instrument lights	#1895
	IH Part No.
	373 662 R91
	373 662 R91
	390 756 R91
	371 461 R91
	455 490
	9 417 866
	9 412 348
	9 417 863

CLUTCH

Single-plate, Dyna-Life, dry-disc,	
spring-loaded	14 in.
Free pedal movement	5/16 in.

FOOT BRAKES

Hydraulic, power, internal expanding,	
drum type.	

TIRE SIZE, STANDARD (other sizes are available) . . . 23.1-26, R-1.