395/495 Tractor

Operators Manual

9-18820

Reprinted

CASE

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SAFETY

Before operating, read and comply with the operators' manual and safety instructions.

Understand that your safety and the safety of other persons is measured by how you service, and operate this machine. Know the positions and operations of all controls before you try to operate. MAKE SURE YOU CHECK ALL CONTROLS IN A SAFE AREA BEFORE STARTING YOUR WORK.

READ THIS MANUAL COMPLETELY and make sure you understand the controls. All equipment has a limit. Make sure you understand the speed, brakes, steering, stability, and load characteristics of this machine before you start to operate.

The safety information given in this manual does not replace safety codes, insurance needs, federal, state and local laws. Make sure your machine has the correct equipment needed by the local laws and regulations.

CASE IH is continuing to work for your safety: by making tractors with better protection and by giving these rules for safe operation.



THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH. M171A

Safety Rules

Before starting the engine, be sure all operating controls are in neutral. This will eliminate accidental movement of the machine or start up of power driven equipment. R106C

Operate controls only when seated in the Operators seat. R137

Securely fasten your seat belt. Your tractor is equipped with a ROPS frame for your protection. The seat belt can help insure your safety if it is used and maintained. Never wear a seat belt loosely or with slack in the belt system. Never wear the belt in a twisted condition or pinched between the seat structural members. R271

A frequent cause of personal injury or death is persons falling off and being run over. Do not permit others to ride. Only one person - the operator - should be on the machine when it is in operation. R115A

Before leaving the tractor, stop the engine, put all controls in NEUTRAL and apply the park brake.

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Tractor Roll Over

ROPS is a special safety unit. After an accident the ROPS must be replaced so that you will get the same protection as a new ROPS.

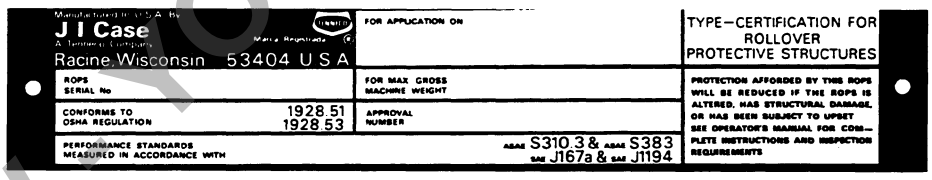
ROPS, the operators seat, the seat belts and all the mounting, accessories and wiring inside the operators protective system must be carefully checked after a tractor accident and all parts with damage, replaced immediately. DO NOT TRY TO MAKE REPAIRS OR WELD THE ROPS.

Safety Rules

1. Do not make modifications to the ROPS. Example, welding an accessory to the ROPS or drilling a hole in the ROPS.
2. Special fasteners are used to install the operator protective parts. Replacement parts must be the same as given in the Parts Catalog for your tractor.

Rops Label

1. Each ROPS is equipped with a ROPS label.
2. The label contains the ROPS serial number and applicable standards.



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Removing the Hood

1. Disconnect the battery Negative terminal.
2. Remove the radiator cap, slowly to release the pressure.
3. Remove the hood hatch, then through the hatch, loosen the bolt at the exhaust muffler clamp and lift off the muffler.

IMPORTANT: *Use heat protective gloves if engine has been running or wait for exhaust to cool before removing.*

4. Remove the side covers.
5. Disconnect the headlamp plugs and the horn leads.
6. Remove the bolts at the rear of the hood at each side.
7. Remove the nuts at the side mounting straps.
8. Remove the bolts from the grille extensions, taking care not to lose the shims from the lower mounting extension. Make a note of the number of shims at each mounting.
9. Lift off the hood.

NOTE: *When installing the hood, the shims removed from each lower mounting extension must be fitted in exactly the same place as they were originally.*

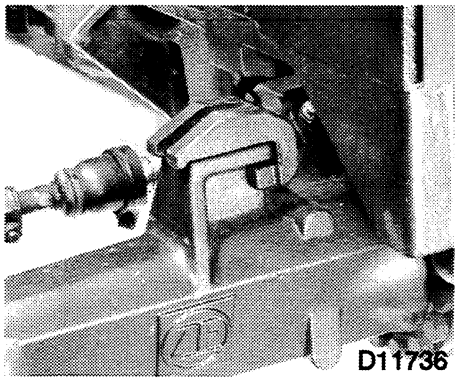
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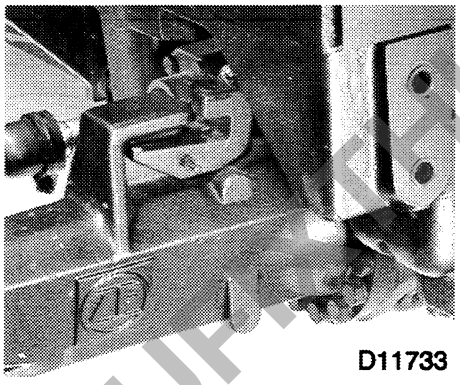
Installing Axle Oscillation Stops (MFD)

With the Oscillation stops installed in the storage position, or not fitted, the maximum tilt of axle is 12°. When the stops are fitted, the maximum tilt is reduced to 6°. Reverse the stops on the axle pad for storage as shown.

STOP IN USE (6° of tilt)



STOP IN STORED POSITION (12° of tilt)



The following charts show the permissible axle tilt for various tread settings and steering angles for each available tire size.

Tread on Ground inches (mm)	8.3 - 24 Tire	
	Inside Wheel Steer Angle	
	Less Front Fenders	
	50°	45°
53.7 (1364)	12°	12°
57.6 (1464)	12°	12°
60.0 (1524)	12°	12°
61.6 (1564)	12°	12°
63.9 (1624)	12°	12°
65.6 (1664)	12°	12°
67.9 (1724)	12°	12°
71.8 (1864)	12°	12°

* Bracket 1328740C must be reversed with lug towards hub. Make sure there is enough clearance between bracket and wheel lug bolts.

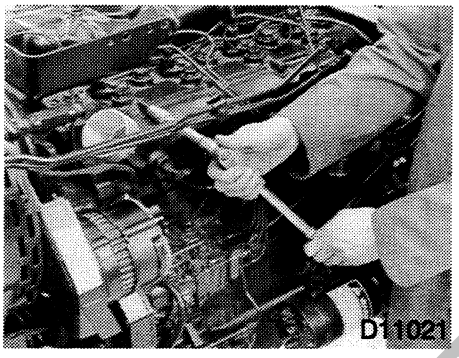
NA = Not available because of interference.

NP = Not available because of geometric design limitations.

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Engine Air Intake System



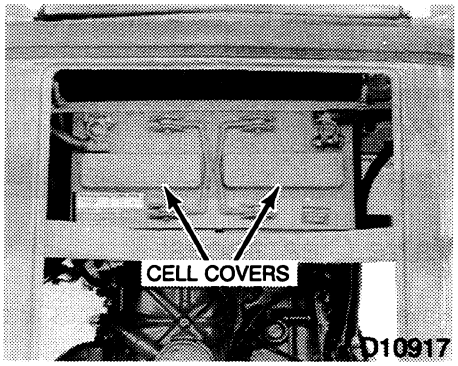


Check manifold bolts torque after first 20 hours of operation.
Check hoses and clips after first 20 and first 200 hours of operation.

IMPORTANT: *Do not run engine with the air cleaner, or any part of the system disconnected or dismantled.*

Battery

Remove the hood hatch and check the electrolyte level. The electrolyte must be 3/8 in (9 mm) above plates. Put petroleum jelly on the terminals after the first 20 hours of operation.



IMPORTANT: *Do not run engine with the battery disconnected. To do so will damage the alternator.*

CAUTION: *When removing a battery, always disconnect the negative (−) ground terminal first. When installing the battery always connect the negative (−) terminal first.*

CAUTION: *Never wear metal rings or watch bands. You may ground a live circuit.*

CAUTION: *Think out a circuit before making or breaking a connection. A wrong connection can be painful and explosive.*

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Maximum Permitted Operating Weights

The maximum permitted tractor operating weight includes the tractor, tractor equipment and ballast.

Maximum Permitted Tractor Operating Weight

Model 395 and 495 ..... 12125 lb (5500 kg)

Maximum Permitted Axle Operating Weights

For Road Operation At 19 mph (30 km/h)
2WD Front Axle at 60 inch (1530 mm) tread ..... 6173 lb (2800 kg)
MFD Front Axle at 60 inch (1530 mm) tread ..... 7275 lb (3300 kg)
Rear Axle at 60 inch (1530 mm) tread ..... 6834 lb (3100 kg)

For Off Road Operation At 5 mph (8 km/h)
2WD Front Axle at 60 inch (1530 mm) tread ..... 6173 lb (2800 kg)
2WD Front Axle Swept Back or Low Profile ..... 5070 lb (2301 kg)
2WD Front Axle at maximum tread ..... 3527 lb (1600 kg)
MFD Front Axle at 60 inch (1530 mm) tread ..... 7275 lb (3300 kg)
MFD Front Axle at maximum tread ..... 4409 lb (2000 kg)
Rear Axle at 60 inch (1530 mm) tread ..... 9259 lb (4200 kg)
Rear Axle at Maximum tread ..... 7054 lb (3200 kg)

Maximum Permitted Drawbar Operating Weights

Swinging drawbar and automatic
hitch drawbar ..... 1000 lb (454 kg)
Automatic hitch hook ..... 3000 lb (1361 kg)

IMPORTANT: *DO NOT exceed the maximum load capacity of the tires on your tractor. See Tire and Wheel Specifications for more information.*

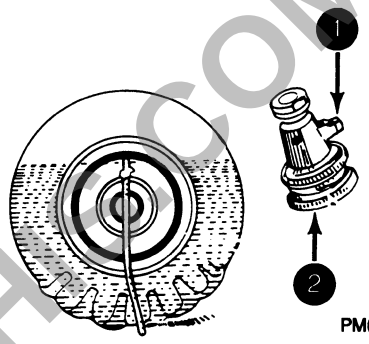
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Filling the Tires

Raise one side of the tractor, turn the wheel so that the valve is at the top, remove the valve core and screw the adaptor onto the valve. Connect a hose to the adaptor and fill either by gravity, from a tank at least 5 feet (1.5 metres) above the wheel, or by pressure using a hand pump. Measure the amount of water added to the tire and use the above figures to calculate the weight added.

When sufficient weight has been added, remove the hose and adaptor then install the valve core and inflate the tire to the correct pressure.



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1. AIR BLEED HOLE
2. WATER FILL ADAPTOR

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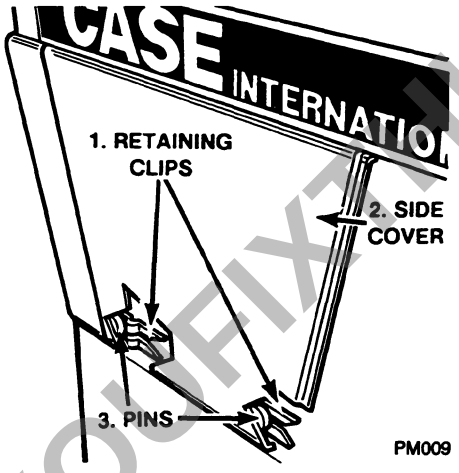
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HOOD AND SIDE COVERS

To do maintainance work on the cooling system and fuel system you must remove the tractor hood and side panels.

Removing the Side Covers

Hold the rear edge of the cover and pull rearward to release from the two retaining clips at the bottom. Lift the bottom of the cover and remove downward.



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RIDE FIRMNESS CONTROL - The handle is located at the front of the seat and can be stored under the seat when not in use. The handle has a ratchet device so that the suspension can be changed by using short strokes rather than full turns. By pulling out and twisting the handle the direction of the ratchet can be reversed, and in this way, the same action is used to harden or soften the suspension according to the operators weight.

For correct adjustment, sit in the seat and slide to the forward/rearward position you want. Move the height limiting knob to the position 7 (highest), then operate the handle until the suspension is correct for your weight. If, after adjustment, there is an excessive upward travel, move the height limiting knob to a lower position.

Adjust your seat belt after adjusting the seat.

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Starting The Engine Using Booster Batteries

WARNING: ***Engine can start with the transmission in gear, if the safety switch is by-passed.***

1. ***Do not connect across terminals on starter.***
2. ***Attach booster batteries according to safe method in operators manual. Then use recommended starting procedure from operators seat only.***

Machine run-away can cause injury or death to operators or bystanders.

If a booster battery is used as a starting aid, the positive (+) terminal of the booster battery must be connected to the positive (+) terminal of the battery on the tractor, and the negative (−) terminal of the booster must be connected to a good ground point on the tractor frame.

WARNING: ***Jumper cables must be heavy enough to withstand the high electrical load applied when starting the engine. Cables which are not heavy enough will overheat and burn.***

WARNING: ***Be sure that connector clips on jumper cables are insulated and do not touch the surrounding metal when connected to the tractor battery.***

IMPORTANT: *The alternator will be damaged if jumper cables are not connected positive to positive and negative to ground on frame. DO NOT connect booster cables directly to starter connections.*

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