SAFETY

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

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 cab or 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.

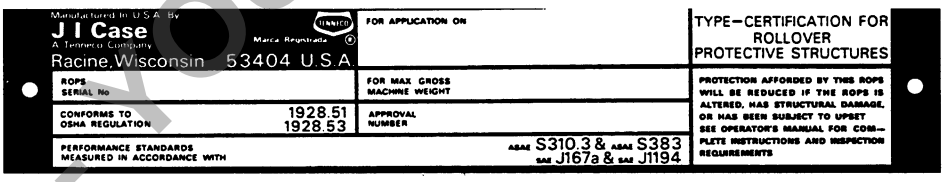
ROPS, the operators seat, the seat belts and all the mounting, accessories and wiring inside the operators protective system must be carefully checked after a tractor accident and all parts with damage, replaced immediately. DO NOT TRY TO MAKE REPAIRS OR WELD THE ROPS.

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.

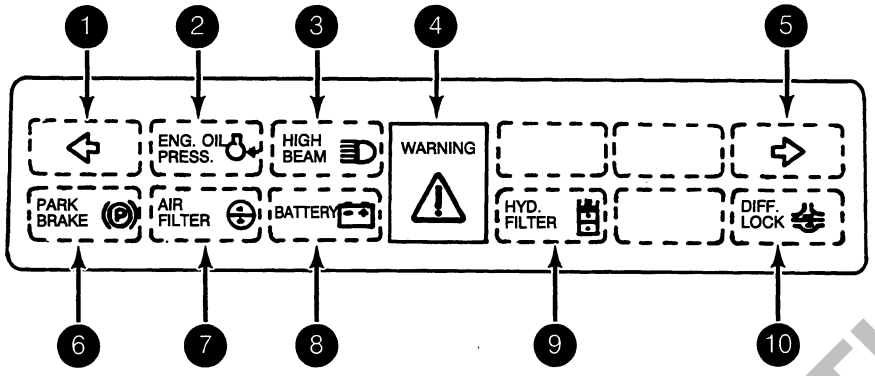


PM400

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Indicator lamps

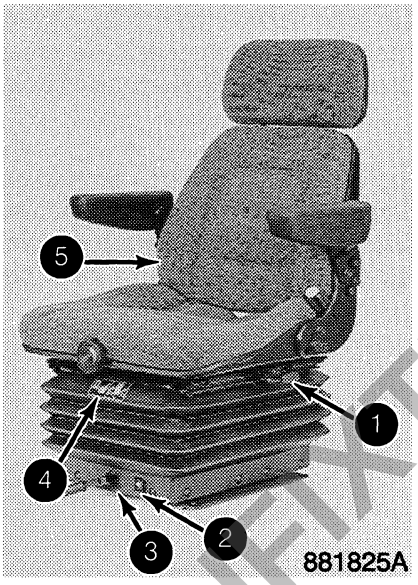


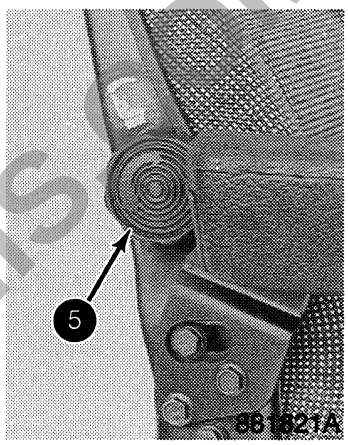
1. LEFT TURN INDICATOR LAMP - This is a green lamp and will flash on and off when indicating a left turn.
2. ENGINE OIL PRESSURE LAMP - This is a red lamp and will illuminate when the key switch is turned to the ON or START positions or if the oil pressure drops below the normal operating range during operation. If the lamp illuminates at any time when the engine is running STOP THE ENGINE AND CHECK FOR THE CAUSE.
3. HEADLAMP HIGH BEAM - This is a blue lamp and will illuminate when the lighting switch is turned clockwise to positions 2 or 3, when the headlamps are on high beam.
4. WARNING LAMP - This is an orange lamp and will flash if segments 9 and/or 10 of the coolant temperature bar graph are on, when the auto hitch is unlatched and when the park brake is engaged.
5. RIGHT TURN INDICATOR LAMP - This is a green lamp and will flash on and off when indicating a right turn.
6. PARK BRAKE LAMP - This is a red lamp and illuminates when the park brake is engaged.
7. ENGINE AIR CLEANER RESTRICTION - This is an orange lamp and illuminates if the air cleaner becomes restricted. The primary element must be cleared before next period of operation.
8. ALTERNATOR CHARGE LAMP - This is a red lamp and illumates when the key switch is turned to ON or START, or if the alternator stops charging. If the lamp illuminates during operation, STOP THE ENGINE AND CHECK FOR THE CAUSE.
9. HYDRAULIC FILTER RESTRICTION - This is a red lamp and illuminates if the hydraulic oil filter becomes restricted.
10. DIFFERENTIAL LOCK INDICATOR - This is a green lamp and illuminates if the differential lock is engaged.

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Grammer Seat





Some tractors may be fitted with this seat as an alternative to those shown.

HEIGHT ADJUSTMENT - The seat is adjustable to three height positions. To select the lowest position, lift the seat fully upward then push it fully down. To select the central position, lift the seat until a click is heard. Lifting the seat further until a second click is heard, will select the highest position.

FORWARD/REARWARD ADJUSTMENT - Lift the lever 1, then slide the seat backward or forward. After adjustment release the lever then push back on the seat to make sure it is locked in position.

SUSPENSION ADJUSTMENT - Rotate the lever 3 to harden or soften the suspension according to your weight. Correct weight will be shown on the indicator 2.

SEAT CUSHION TILT ADJUSTMENT - Turning the knob 4 will tilt the seat cushion.

LUMBAR SUPPORT ADJUSTMENT - Turn the large knob 5 at the rear of the right arm rest to adjust the lumbar support.

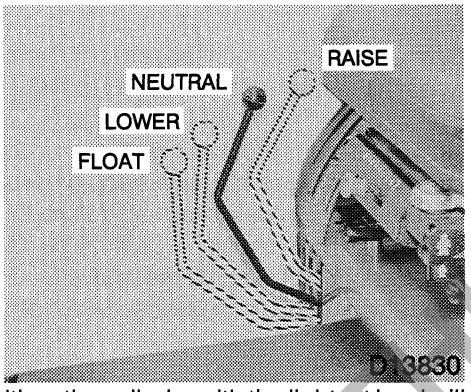
BACKREST TILT ADJUSTMENT - Turn the knob 6 to adjust the position of the backrest.

ARMRESTS - These can be raised to permit easier access to the seat.

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Remote Hydraulic Control



There can be up to three remote control levers on the console, each having four positions, "raise", "neutral", "lower" and "float".

The speed of movement of auxiliary equipment is determined by the distance the lever is moved from neutral. If the lever is moved fully upward from neutral the equipment will rise quickly. If the lever is moved upward a short distance from neutral the equipment will rise slowly. When both levers are moved to the raise position, the cylinder with the lightest load will move first.

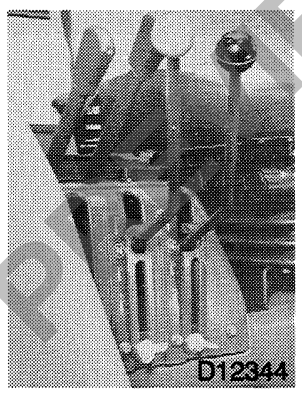
If the lever is moved downward from neutral until a resistance is felt, the equipment will lower quickly under hydraulic power. If the lever is moved a short distance downward from neutral the equipment will lower slowly under hydraulic power.

Moving the lever fully downward beyond the lower position will place the equipment in a "float" condition, free from hydraulic restraint, permitting the equipment to follow uneven ground contours.

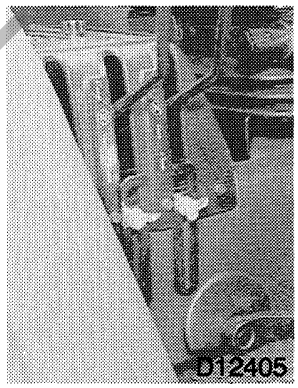
NOTE: *If equipment is attached that has single acting cylinders, always use the "float" position when lowering. Continual use of the "lower" position will cause overheating and possible damage to the hydraulic system.*

Neutral and Float Lockout Bar

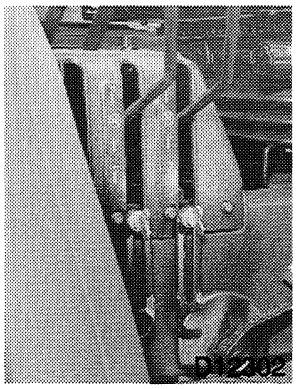
A lockout bar is provided so that control lever travel can be restricted as desired. A storage position is provided when it is necessary for the remote valves to be fully operational.



NEUTRAL LOCKOUT



FLOAT LOCKOUT

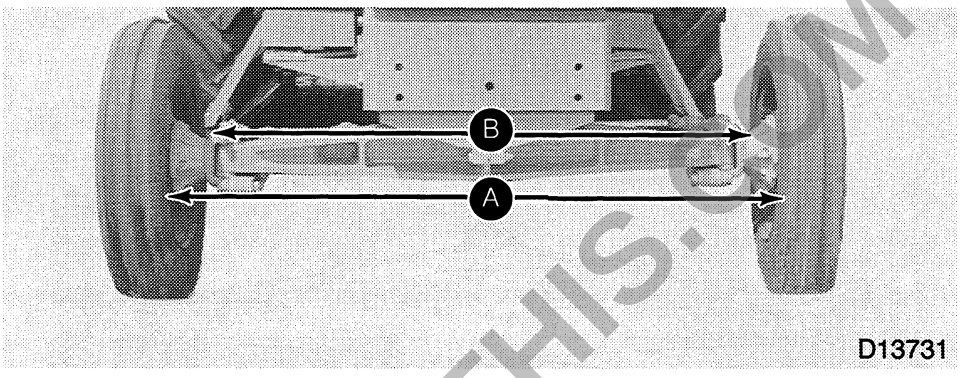


STORAGE POSITION

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2WD Tractors With Rigid Cast Iron Axle



Put the tractor on level ground with the wheels straight ahead. Make a mark inside the front edge of the wheel rims at hub center height and measure the distance (A) between the marks.

Turn the wheels one half revolution so that the marks are at the rear and measure the distance (B). This distance must be 0 to 5/32 inch (0 to 4 mm) more than the distance (A) at the front.

If adjustment is necessary loosen the tie rod lock nuts at each end (these are threaded left and right hand), then turn the tie rod tube until the toe-in adjustment is correct.

Tighten the lock nuts to 50 lb ft (68 Nm) making sure the ball joints remain central.

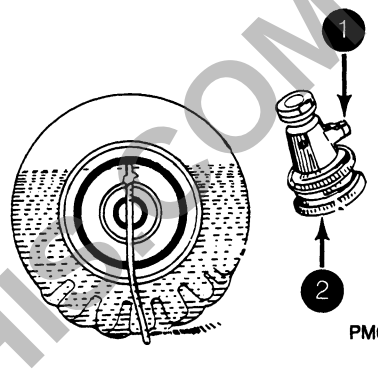
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Filling the Tires

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.



PM018

1. AIR BLEED HOLE
2. WATER FILL ADAPTOR

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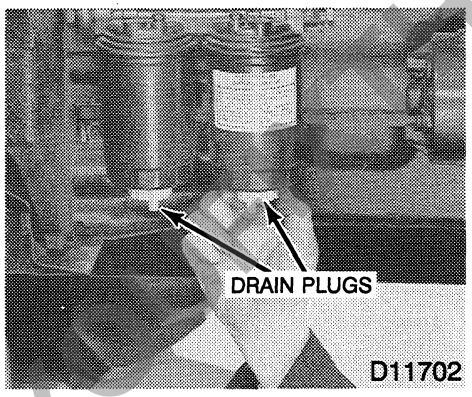
IMPORTANT: *DO NOT try to adjust the fuel injection pump. The injection pump is adjusted and sealed at the factory. Removal of the injection pump seals will void your power train warranty.*

FOR PROTECTION OF YOUR FUEL SYSTEM - GET CLEAN FUEL AND KEEP THE FUEL CLEAN.

NOTE: *Use the drain plug on the fuel filter to remove water or sediment from the fuel. See Fuel Filter Drain Plug in operating in this manual.*

Fuel Filter Drain Plug

The drain plug is located underneath the fuel filter.

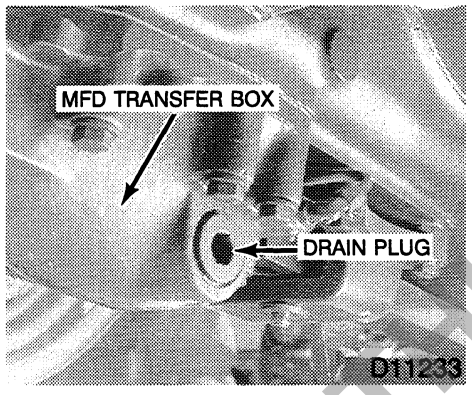


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Transmission Oil Change

To change the transmission fluid, put the tractor on level ground. Remove the drain plugs, on tractors with MFD remove the drive shaft shield to get to the front drain plug. Install and tighten the plugs when the oil has drained. Remove the filler plug and pour in 36 U.S. Quarts (34 litres) of oil for 2WD or 38.6 U.S. Quarts (36.5 litres) for MFD. Operate the engine for three minutes at 1600 RPM. Stop the engine and immediately check the fluid level. Add oil if necessary. Operate the hydraulic and steering systems with the range and speed levers in neutral to remove the air.



TRACTOR WITH MFD

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MODEL 895 TRACTOR
With Two Wheel Drive



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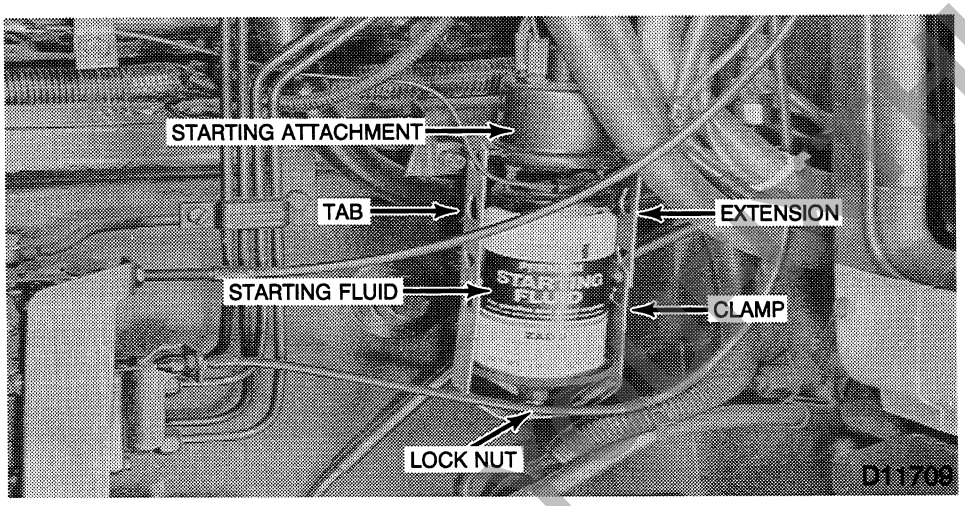
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Starting Fluid Container Replacement

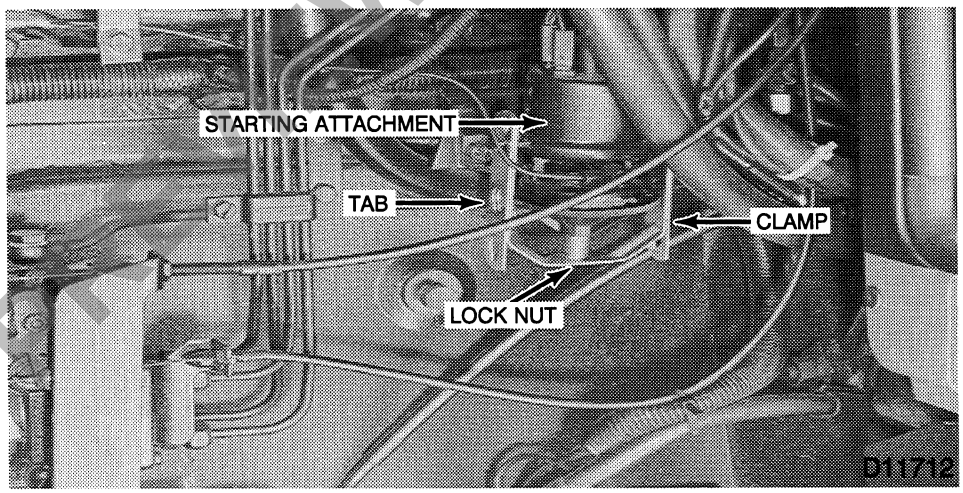
Install a 12 ounce (360 g) container of CASE starting fluid as follows:

1. Turn the lock nut counterclockwise to loosen the clamp and remove the old container (if fitted).
2. Remove the safety cap and plastic nozzle from the new container.
3. Install the new container in the clamp then tighten the lock nut.

NOTE: *Clamp extensions are available for use with a 15 ounce (425 g) container.*



If you operate the tractor without a fluid container in the starting attachment, connect the bottom holes on the clamp onto the tabs of the starting attachment and turn the lock nut clockwise until tight against the starting attachment. This will prevent dirt and dust entering into the starting system.



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Two Wheel Drive Tractors

The recommended static weight distribution for two wheel drive tractor is shown below. The weight distribution ratios are based upon the total weight of a fully equipped tractor (including ballast).

STATIC WEIGHT DISTRIBUTION



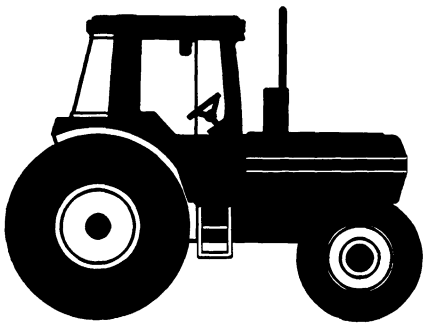
PM210A

IMPLEMENT TYPE	% REAR	% FRONT
Towed - Drawbar	75%	25%
Semi - Mounted	70%	30%
Fully - Mounted	65%	35%

Mechanical Front Drive (MFD) Tractors

The recommended static weight distribution for MFD tractor is shown below. The weight distribution ratios are based upon the total weight of a fully equipped tractor (including ballast).

STATIC WEIGHT DISTRIBUTION



PM209A

REAR WEIGHT - 60%

FRONT WEIGHT - 40%

IMPORTANT: *Single rear wheels are recommended for most applications to make sure of maximum productivity.*

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