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SAFETY
Safety Rules

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.

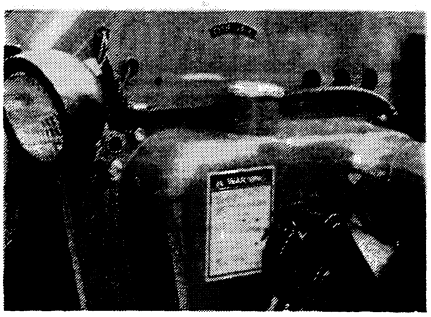
The safety information given in this manual does not replace safety codes, insurance needs, federal, state and local laws. Make sure your machine has the correct equipment needed by the local laws and regulations.

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



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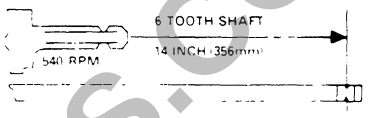


⚠ WARNING

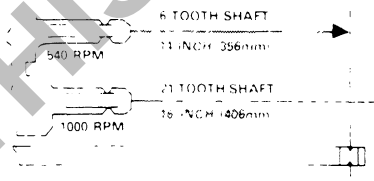
TO AVOID CLOTHING ENTANGLEMENT AND INJURY PTO SHIELD MUST BE POSITIONED FOR SHAFT BEING USED KEEP DRIVELINE SHIELDS IN PLACE

DRAWBAR MUST BE SET AND LOCKED TO PREVENT BOTTOMING OR SEPARATION OF DRIVELINE

FOR TRACTORS WITH ONE PTO SHAFT



FOR TRACTORS WITH TWO PTO SHAFTS

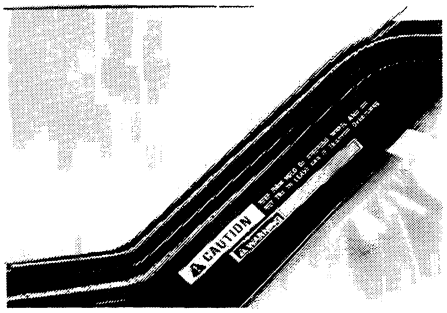


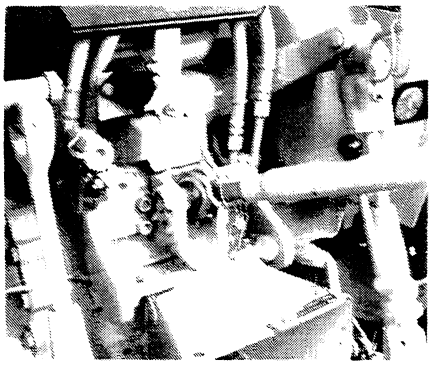
COS

⚠ WARNING

PTO MACHINES MAY FAIL IF OPERATED OVER RATED SPEEDS AVOID INJURY LIMIT RPM TO 600 OR LESS FOR 540 RPM MACHINES AND 1100 OR LESS FOR 1000 RPM MACHINES







⚠ WARNING

Power drive system safety shields must be kept in place.

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Engine Oil Filter Change

Change Interval . . . . . Every 200 hours

IMPORTANT: *Change the oil filter at the correct interval and use only a Case approved filter.*

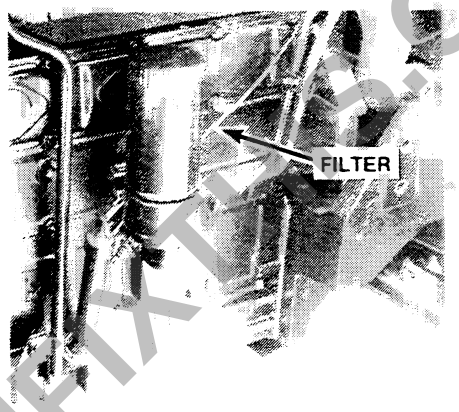


Figure 91

1. Drain the engine oil then install and tighten the drain plug .
2. Turn the filter counterclockwise to remove. If necessary use a strap wrench.
3. Clean the the filter seat on the engine, then use clean oil to lubricate the filter gasket.
4. Install the new filter until the gasket comes into contact with the engine then tighten half a turn. DO NOT TIGHTEN WITH A WRENCH.
5. Fill with the correct grade of engine oil to the upper level mark on the dipstick.

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ROUTINE SERVICE
Every 10 Hours
Clutch Reservoir (Cab Tractor)

Remove the top of the instrument panel and check the level of fluid.

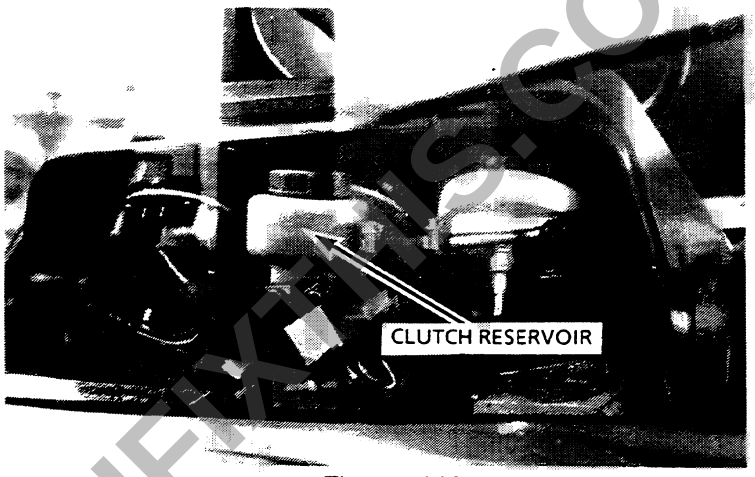


Figure 118

Windshield Washer (Cab Tractor)

Check water level and fill if necessary.

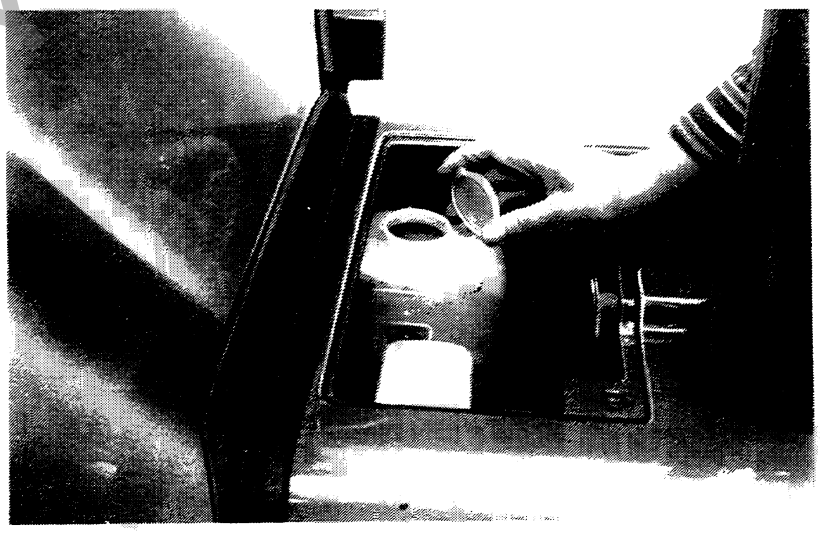


Figure 119

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OPERATING INSTRUCTIONS
Run-in Procedure

If run-in instructions for a new engine are not followed, you can cause damage to piston rings and cylinder sleeves.

LOAD

During the first eight hours of operating the tractor in the field, operate in one gear range lower than normal. During the next 12 operating hours, Do Not "lug" the engine. To prevent "lugging" put the transmission in a lower gear range. A new engine must not be "lugged" below the rated RPM.

NO LOAD

Do not run the engine at idle speed. When not operating the engine with a load, you can keep the correct engine operating temperature if you run the engine at approximately 1500 RPM.

ENGINE OIL

Change the engine oil after the first 200 hours of operation. Remove the oil while the engine is hot. Install new oil of the correct rating as given on the Lubrication Chart. See ENGINE OIL CHANGE in this manual for regular service intervals.

ENGINE OIL FILTER

After the first 200 hours of operation, change the engine oil filters. See ENGINE OIL FILTERS in this manual for regular service intervals.

WHEEL NUTS

After the first 10 hours of operation, check the tightness of the wheel nuts. Tighten all wheel nuts to the torque given in the tread widths section of this manual. Check the torque every 50 hours until the torque remains as specified.

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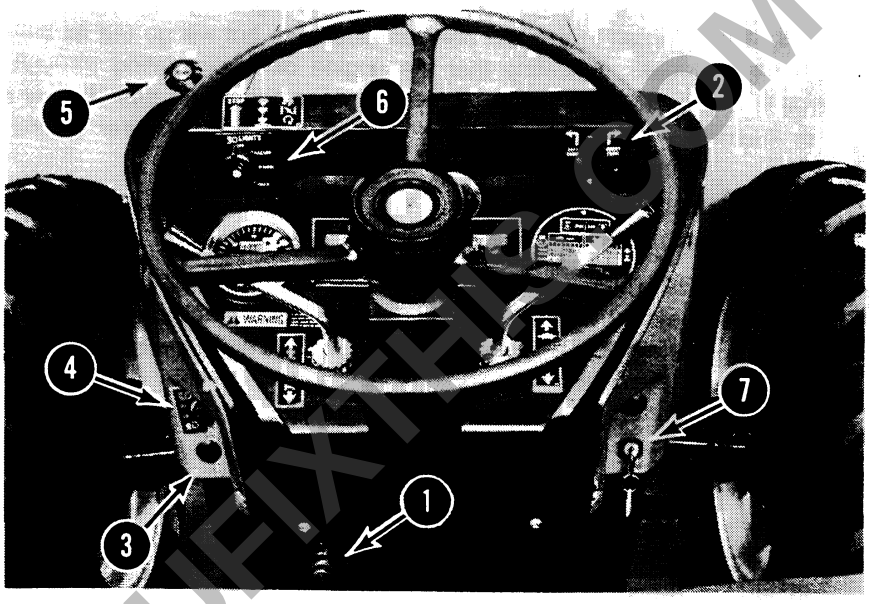


Figure 15
ROPS Tractor

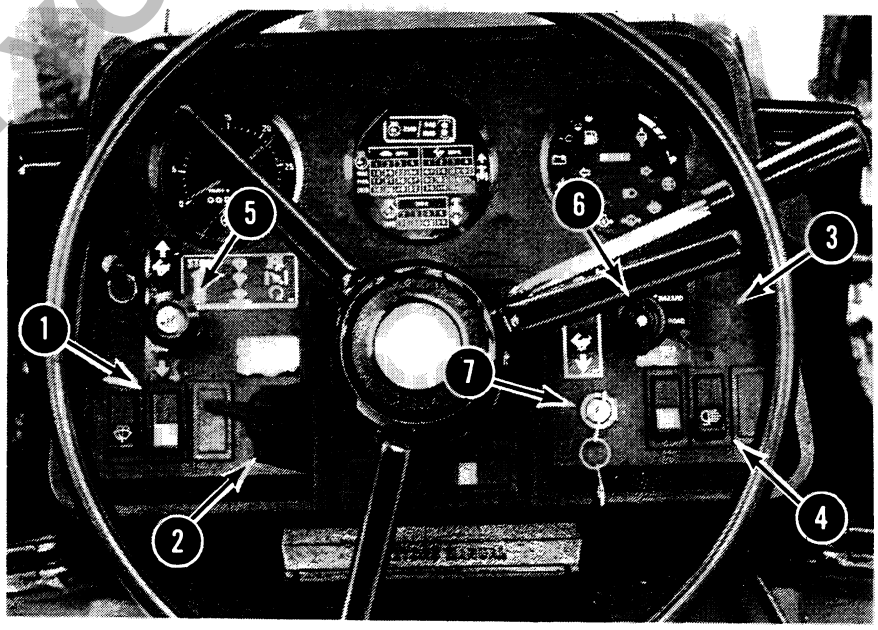


Figure 15
CabTractor

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ROUTINE SERVICE
Every 800 Hours
Fuel System

The fuel system consists of fuel tank, fuel filters, injection pump and injectors. To prevent dirt or water from reaching the fuel injection components and causing damage and a decrease in performance, use clean fuel, and service the filters at the correct intervals.

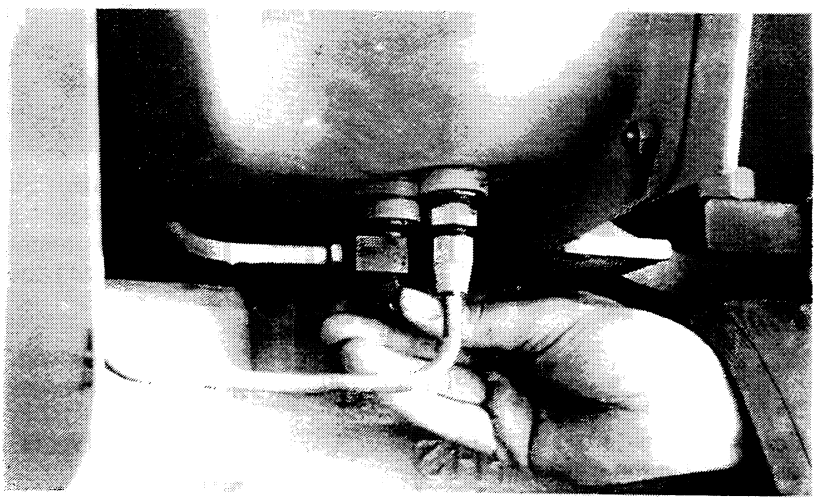
CAUTION: ***Never smoke while refuelling the machine, servicing the fuel system, checking the batteries or using cold weather starting aids.***

CAUTION: ***Never refuel the tractor when the engine is hot or running.***

WARNING: ***Hydraulic fluid or diesel fuel leaking under pressure can penetrate the skin and cause infection or other injury.***
To prevent Personal injury:
Relieve all pressure before disconnecting lines.
Before applying pressure, make sure all connections are tight and components are in good condition.
Never use hands to check for suspected leaks under pressure. Use a piece of wood or cardboard for this purpose.
If injured by leaking fluid, seek medical attention immediately.

Fuel Filters

If there is a loss of engine power between 800 hour servicings, change the primary filter element. If there is still a loss of power change the secondary filter element.



Fuel shutoff valve ROPS tractor
Figure 127

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FRONT WHEEL BEARINGS 2WD TRACTOR

Service Specifications

Lubrication interval . . . . . .Every 800 hours

Lubrication

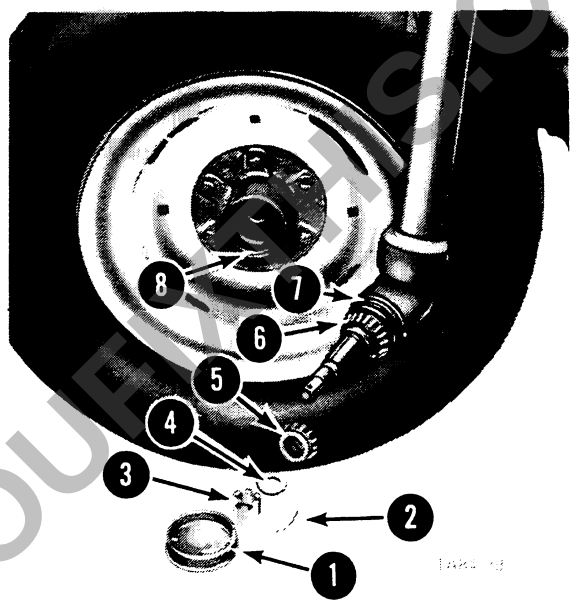


Figure 101

1. Raise the front wheel clear of the ground.
2. Remove the hub cap (1), cotter pin (2), nut (3), washer (4), outer bearing (5) and front wheel.
3. Clean out the hub and fill inner bearing (6) and dirt seal (7) with grease.
4. Fill the hub with new grease and install the wheel.
5. Fill the outer bearing with grease and install.
6. Install the washer and nut and tighten the nut to 70 lb ft (95 Nm) while rotating the wheel to seat the bearings.
   Loosen the nut and tighten again to a torque 25 lb ft (34 Nm) on cast iron rigid type axle or 50 lb ft (68 Nm) on ajustable type axle.
7. Install the cotter pin. The nut can be loosened a 1/4 turn or more if necessary to fit the pin. Install the hub cap. Do not fill the hub cap with grease unless operating in rice fields or other severe wet conditions.

NOTE: *CASE Wearguard Super Lithium grease is recommended for temperatures of 32°F (0°C) and above. For temperatures below 32°F (0°C), use a good quality lithium based grease to N.L.G.I. No 1 consistency.*

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INDEPENDENT POWER TAKE OFF (PTO)

Power Take Off Guards

All Case Tractors with a power take off have a large safety guard and a small tube type guard for the splined output shaft. To prevent injury to the operator, the tractor power take off safety guards and the shields for the telescopic shaft assembly must be used.

WARNING: ***Rotating machine parts, stay clear, keep shields installed to help protect from clothing entanglement and injury. Wear close-fitted clothing.***

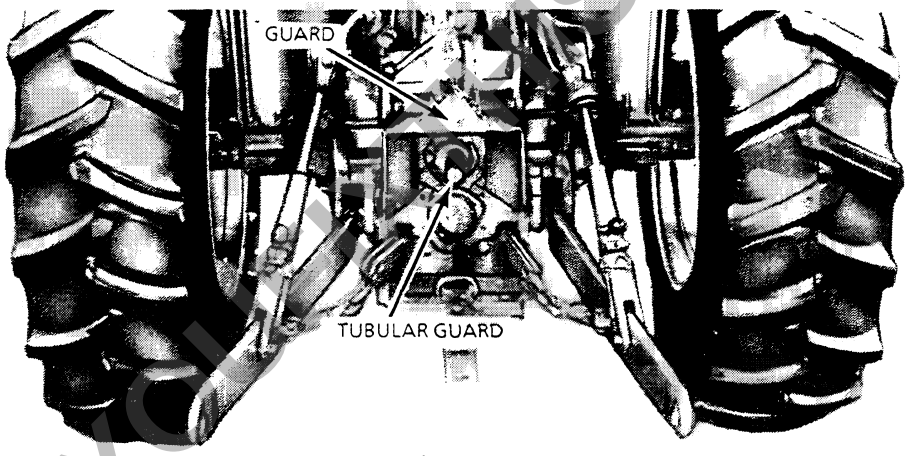


Figure 62

WARNING: ***Whenever a PTO driven machine is in operation, the PTO guard must be in place for most operations to prevent injury to the operator or bystanders. Where attachments, such as pumps, are installed on the PTO shaft (especially if the tractor PTO guard is moved upward or removed) extended shielding equivalent to the PTO guard must be installed with the attachment. Install the PTO guard to its original position immediately when the attachment is removed. When the PTO is not in use, the tubular guard must be installed over the end of the PTO shaft.***

CAUTION: ***Installing an adapter on the PTO shaft, to convert the shaft diameter or to convert the number of splines on the shaft, moves the driveline connection rearward. This exposes the front universal joint and attaching mechanism. Adapters must not be installed unless the original master shield on the tractor is extended with equivalent shielding.***

The use of an adapter is not recommended.

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FORWARD / REVERSE TRANSMISSION (Optional)

This provides eight forward and eight reverse speeds. Directional changes are made with the lever on the left side of the instrument panel.

Press the clutch pedal then move the lever forward for forward travel, or backward for reverse travel.

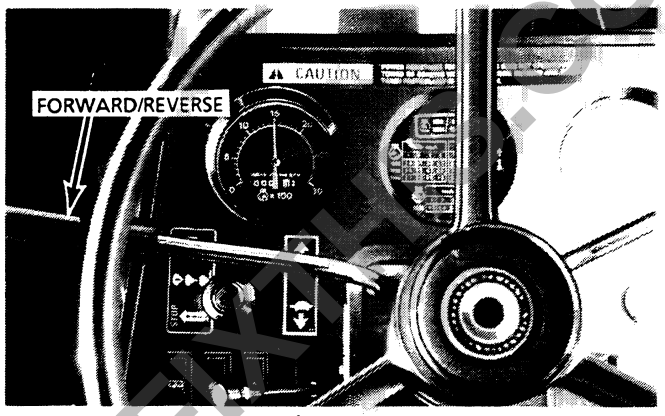


Figure 36

2 SPEED POWER SHIFT TRANSMISSION (Optional)

This provides 16 forward speeds and 8 reverse speeds and is operated by a switch on the instrument panel.

Use direct drive for normal load conditions, move the switch forward.

Use the 2 speed power shift when load increases (speed will decrease and torque will increase). Move the switch backward.

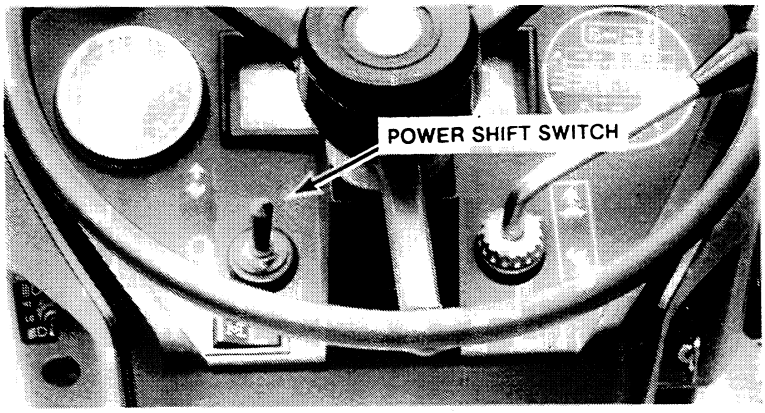


Figure 37

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HITCH SYSTEM CONTROL

Draft Control

This controls the operating depth of an implement and maintains a near constant load on the tractor. To set draft control, move the lever to the central position of the quadrant. Move the position control lever fully forward to lower the implement into work. If the implement is not operating deep enough, move the draft control lever forward to increase draft. If the implement is operating too deep, move the lever rearward to decrease draft. After the initial setting, minor changes of the lever position can be needed when ground conditions change. At the end of the field, use the position control lever to raise the implement clear of the ground for turning.

When using implements that do not need draft control, move the control lever fully forward in the quadrant so that draft control is locked out.

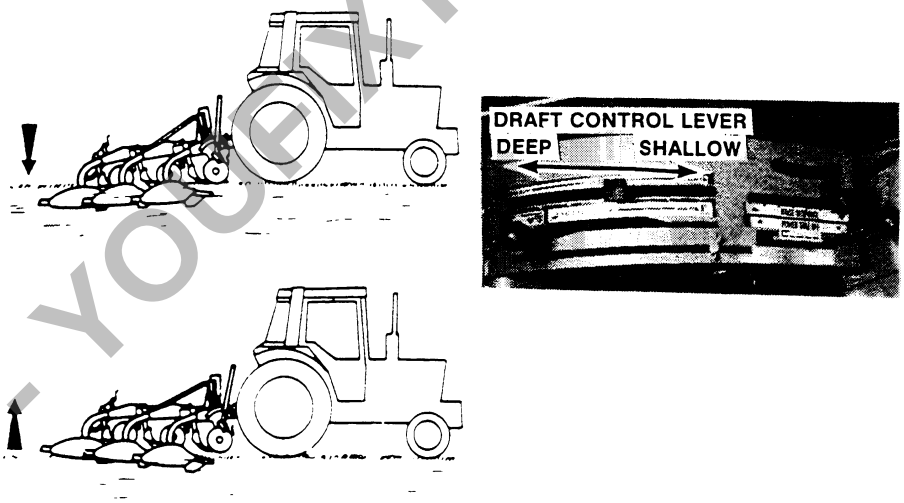


Figure 49

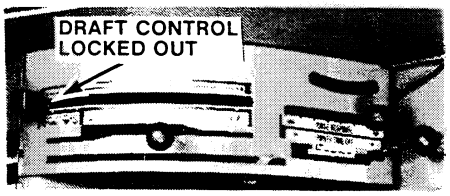


Figure 50

Draft control not in use

"LOCKED OUT"

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