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SERIAL NUMBERS

The tractor serial number is on the right-hand top face of the main frame. The engine serial number is on the right-hand side of the cylinder block behind the starter motor.

The PIN plate is fastened to the left-hand side of the clutch housing.

The front axle serial number (MFD) is on the right-hand front face (Case axle) or on the left-hand top face (Carraro axle) of the axle casting.

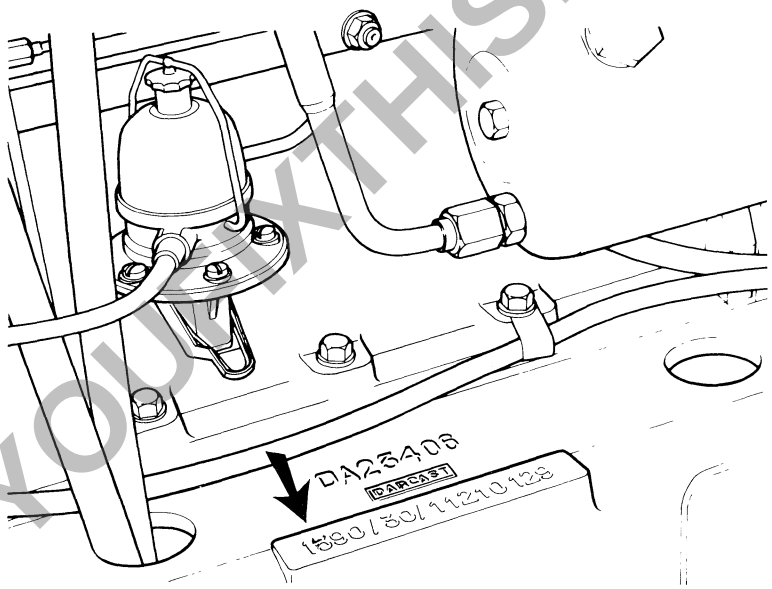


Figure 29 TRACTOR SERIAL NUMBER

Write the serial numbers for your tractor below:

TRACTOR SERIAL NUMBER _____

ENGINE SERIAL NUMBER _____

FRONT AXLE (MFD) MAKE _____

AND SERIAL NUMBER _____

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DIESEL ENGINE LUBRICATION

Selection of Oil

Case HDM Engine Oil is the J I Case Company recommendation for use in your Case Tractor Engine. The Case HDM oil will lubricate your engine correctly under all operating conditions.



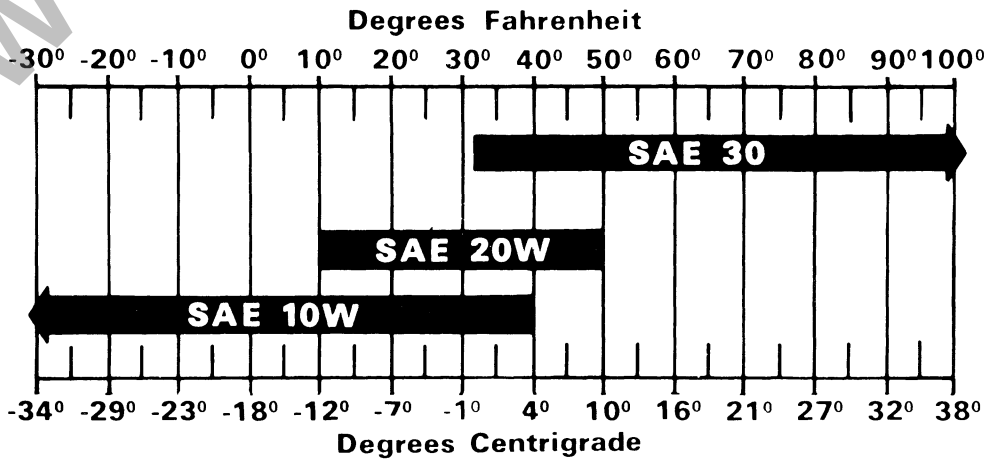
Figure 41

NOTE: *Do not put "Performance Additives" or other oil additive products in the engine crankcase. The oil change intervals given in this manual are according to tests with Case lubricants.*

When Case HDM Engine Oil is not available use only oil that is the same as API engine oil service category SE/CD and Mil-L-2104C.

Engine Lubrication Oil Viscosity

AMBIENT AIR TEMPERATURE RANGES



Use the correct viscosity oil for the ambient temperature range in which you are operating your tractor. Do not use a multi-viscosity oil.

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OPERATING THE TRACTOR ON THE HIGHWAY

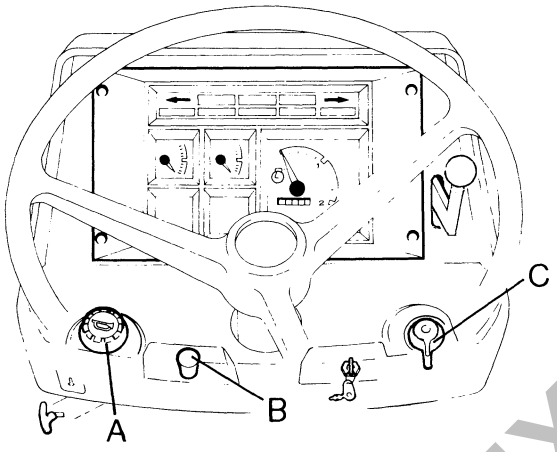


Figure 71

Turn the lamp switch "A" two positions clockwise. This will illuminate the head lamps (low beam), front fender lamps, tail lamps and instrument panel lamps. Pull the knob "B" to operate the amber warning lamps.

To make a right turn push the knob "B" to stop the amber warning lamps. Move the turn signal switch "C" to the right. Make the right turn then move the turn signal switch to it's center po sition. Pull the knob "B" to operate the amber warning lamps. To make a left turn, repeat the sequence, except move the turn signal switch to the left.

IMPORTANT: *When towing an implement or trailer with the tractor, the complete rear area warning system (amber warning lamps, red tail lamps and SMV symbol) must be easily seen by any vehicle operator coming near the tractor.*

WARNING ***On roads, use flasher lamps according to local laws. Keep SMV emblem visible.***

DANGER ***Excess tractor speed is the big killer. Only experienced drivers should be permitted on highway.***

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PREVENTATIVE MAINTENANCE
Introduction

Preventive maintenance is important to you.

As the owner of a Case Tractor, you have a tractor that is made to the highest possible standards. Preventive maintenance is an easy and low cost method to make sure that your tractor gives you many hours of efficient operation.

Because it is important, the procedure has been made very easy. It is a recommendation that maintenance is done at the end of the operating period. The oils will then be warm and if necessary can be removed easily. If possible, do maintenance jobs under cover and make sure you do the following:

Before using a grease gun, clean the grease fittings.

Before removing drain or fill plugs, clean the plugs and the area around the plug.

Before putting new oil or diesel fuel into a container, make sure that the container is clean.

Call your Authorized Case Dealer if you need information.

FIRST OIL CHANGE AT 20/60 HOURS

IMPORTANT: *Special engine oils are used by the manufacturer when a tractor is being filled up for the first time. These give extra protection during storage, and the run-in period of the tractor.*

These oils must be changed at the First Service. Get your Authorized Case Dealer to do the First Service as soon as possible after the tractor hourmeter reads 20 hours. This service MUST be done before the tractor hourmeter reads 60 hours.

If the service is not done within this period, your tractor may be damaged. The warranty will not cover the cost of repair, if oils have not been changed according to the recommendations.

NOTE: *First 300 hours - use API engine oil service category CC . Use of these low detergent oils during the first 300 hours will aid the run-in of a new engine.*

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Storage Battery

Access To Battery - Rear Opening Hood

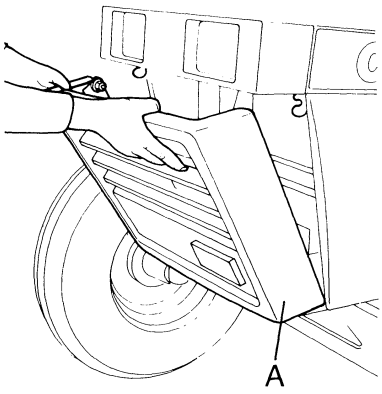


Figure 166

Remove the front panel "A".

Front Opening Hood

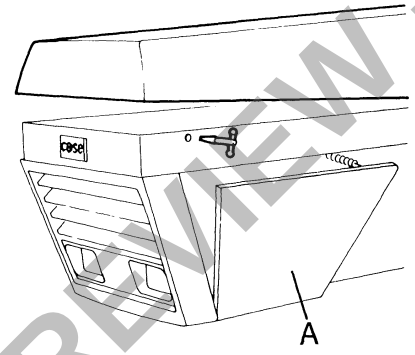


Figure 167

Remove the side panel "A".

Battery Cables and Terminals

The battery terminals must be kept clean and tight. A good method to clean terminals is to use Battery Saver, Case Part Number M20376 according to instructions on the container. This cleaner needs no water. If Case Battery Saver is not available, remove all corrosion with a wire brush, then wash with a weak solution of baking soda or ammonia. Put some petroleum jelly or light grease on terminals to prevent more corrosion.

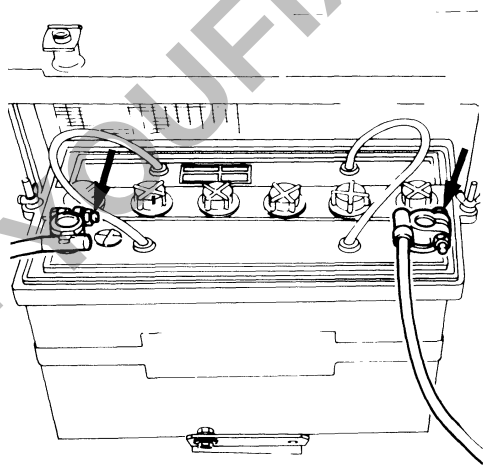


Figure 168

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GENERAL SPECIFICATIONS

Electrical System

Type	12 Volt, Negative Ground
Battery	Test For Cold Start Performance
Standard Duty	420 Ampere Discharge For 1 Minute at -18° C Before Voltage Drops to 1.4 Volts per Cell.
Heavy Duty	550 Ampere Discharge For 1 Minute at -18° C Before Voltage Drops to 1.4 Volts per Cell.
Alternator	28 Ampere
Voltage Regulator	Part of Alternator
Starter Motor	12 Volt with Solenoid Switch
Head Lamps	12 Volt 40/60 Watt Sealed Beam
Side Lamps	12 Volt 5 Watt
Direction Turn Signal Lamps	12 Volt 21 Watt
Rear and Stop Lamps	12 Volt 5/21 Watt
Instrument Warning Lamps	No. 168
Instrument Illumination Lamps	No. 194
Fuses	Two 35 Ampere Two 25 Ampere

Brakes

Type	Internal Expanding, Drum Type
Operation - Service	Mechanical by Pedal
Park	Mechanical by Lever

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CONTROL LEVERS (Right-Hand Side)

A. Gear Shift Lever

The gear shift lever has a neutral position and is used to select three forward speeds or reverse. There is a synchromesh hub between second and third gear which permits gear changes to be made while the tractor is moving. The transmission clutch must be disengaged when changing gear. The tractor must be stopped before selecting first or reverse gear. This lever also operates a safety switch which prevents the starter from engaging if the lever is not in the neutral position.

B. Remote Valve Levers

These levers operate the double acting remove valves. If these are not standard equipment on your tractor, one or two remote valves can be installed as extra equipment by your Authorized Case dealer.

C. Parking Brake

To apply the parking brake pull the lever up then turn it to the right (as shown). Press the brake pedals to make this operation easier. To release the parking brake, pull the lever up, turn it forward, then push it down.

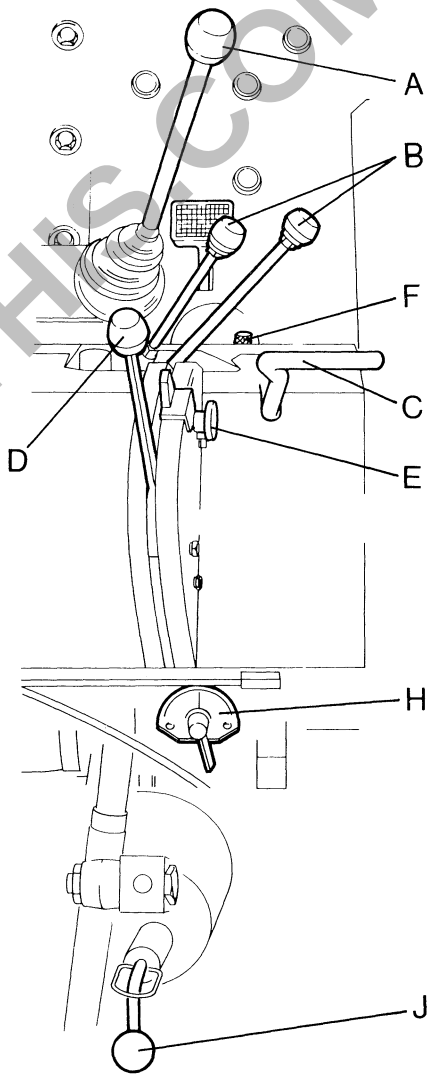


Figure 47

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HITCH OPERATION

Lift Rod

The length of the lift rod can be changed to limit the maximum height and depth of an implement. Shorten the lift rod to give maximum height. Lengthen the lift rod to give maximum depth. Do the following to change the length of the lift rod:

1. Remove the pin "A". Pull the lift rod "B" clear of the draft arm "C".

2. Turn the end of the lift rod to get the required length.

3. Use the pin "A" to fasten the lift rod to the draft arm "C".

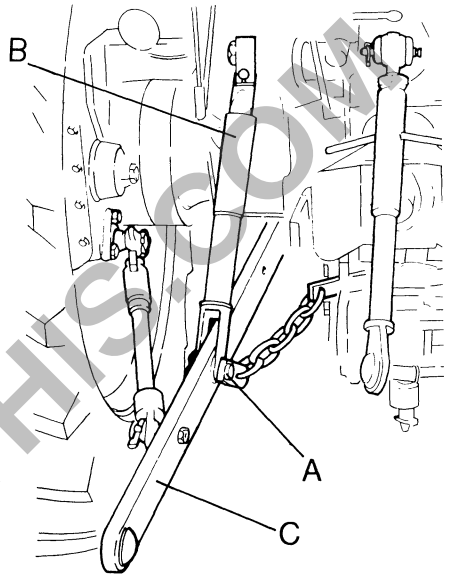


Figure 85 LIFT ROD

Mechanical Float

The pins which hold the lift rod and level screw to the draft arms have two positions. Use the pin in hole "A" to get a rigid connection. Fit the pin in slot "B" to give mechanical float. This will permit the implement to move 3 inches (75 mm) up or down. Use the pin in this position when operating on ground which is not level.

NOTE: *Check the Operators Manual for the implement to see if mechanical float is also the recommendation of the manufacturer of the implement.*

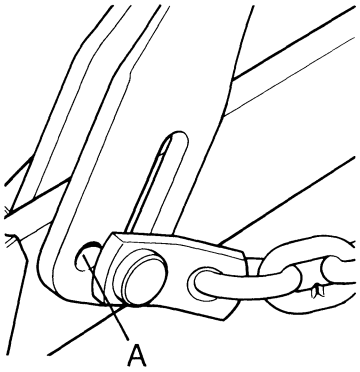


Figure 86 FLOAT POSITION

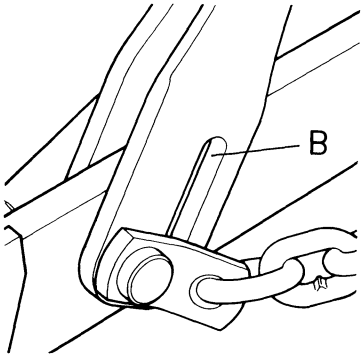


Figure 87 FIXED POSITION

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PREVENTATIVE MAINTENANCE
50 Hour Service

9. Transmission Oil

Use the dipstick "A" on top of the gearbox cover to check the level of transmission oil.

Add oil through the fill plug "B" (see Figure 128) if the level is low. The fill plug is on the side of the PTO housing.

10. Hydraulic Filter

At the FIRST 20 to 50 hour service only (then every 400 hours), fit a NEW filter element (see the 400 hour service). Do not clean the old element.

11. Battery

Check the electrolyte level and add clean water if necessary (not low maintenance type batteries). Clean the top of the battery.

12. Tires

Check that the tire pressures are correct for the operating conditions. Add or remove air if necessary.

13. Controls

Lubricate control levers and pivot points with engine oil. DO NOT lubricate in dusty conditions. Put grease on exposed parts of inner clutch cable.

14. Wheel Nuts

Check that all the wheel nuts are tight.

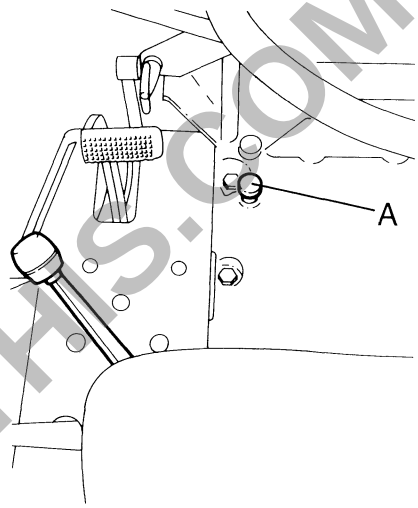


Figure 127

GEARBOX DIPSTICK

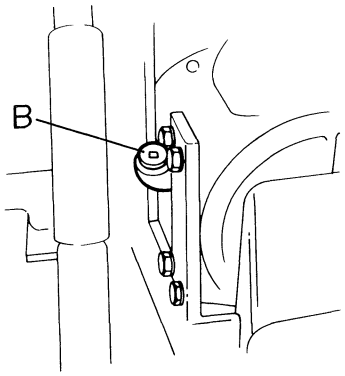


Figure 128

15. Coolant

Check the level and add coolant if necessary.

IMPORTANT: *This must be done only when the engine is cold.*

WARNING ***There is pressure in the cooling system which can cause injury if the radiator cap is suddenly removed. Turn the cap to the first positon then wait until the pressure is released before removing the cap.***

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