



**570LXT Loader/
Loader Landscaper
Series 2**

Operators Manual

Bur 6-1381NA



CASE

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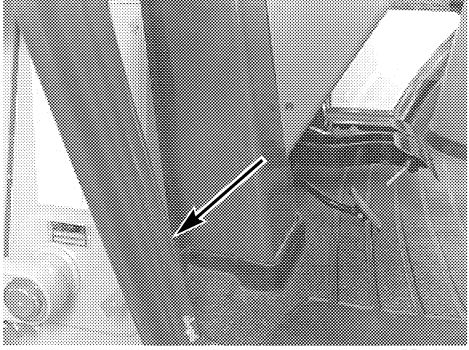


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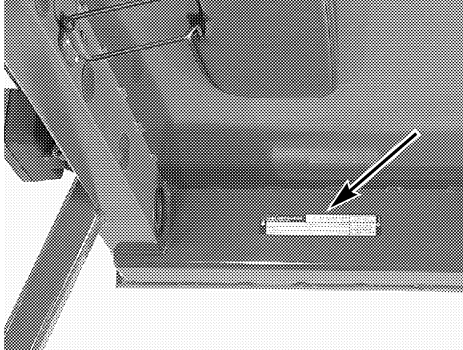
TO THE OWNER

ROPS Cab



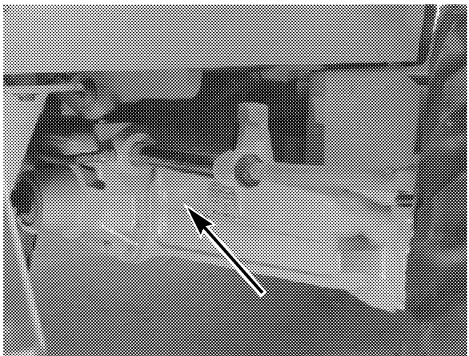
BP97N040

ROPS Canopy



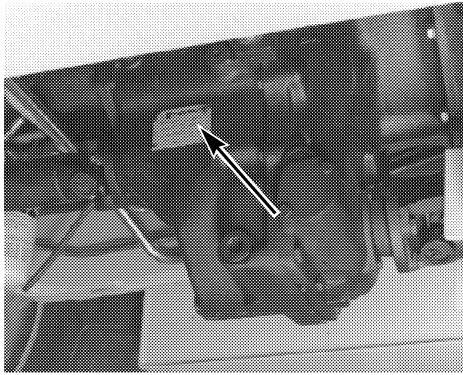
BK97K220

**Front Axle
(Four Wheel Drive Axle Shown)**



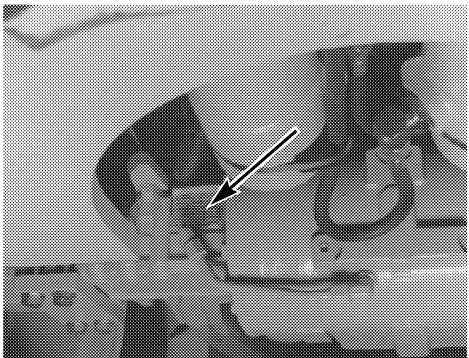
BP9410089

Standard Transmission



BP9410086

Rear Axle



BP9410090

TRIM THIS EDGE



PARKING THE MACHINE



- When you park the machine and before you leave the operators area, always support or lower all attachments (loader, etc.) to the ground, apply the parking brake, stop the engine, and remove the key.
- Follow the instructions in this manual for parking the machine.
- If you must temporarily park the machine on a hillside, put the front of the machine toward the bottom of the hill. Make sure the machine is behind an object that will not move. Put blocks in front of each wheel on the downhill side.
- Always face the machine and use the hand rails and steps when getting off. Do not rush and do not jump from the machine.



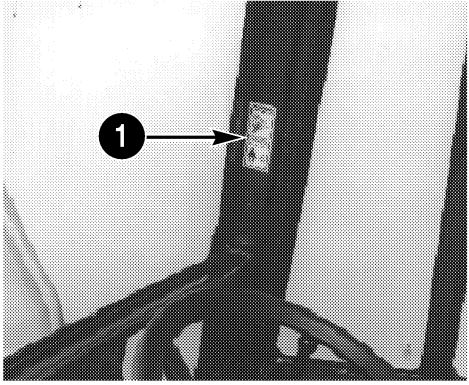
BURN PREVENTION



- Batteries contain sulfuric acid which can cause severe burns. Avoid contact with skin, eyes, or clothing. Antidote - EXTERNAL: flush with water. INTERNAL: drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or vegetable oil. Call a doctor immediately. EYES: flush with water for 15 minutes and get prompt medical attention.
- When the battery electrolyte is frozen, the battery can explode if, (1) you try to charge the battery, or (2) you try to jump start and run the engine. To prevent the battery electrolyte from freezing, keep the battery at full charge. If you do not follow these instructions, you or others in the area can be injured.
- Hot coolant can spray out if the radiator cap is removed too quickly. To remove the radiator cap, let the cooling system cool, turn the cap to the first notch, wait until the pressure is released, then remove the cap.

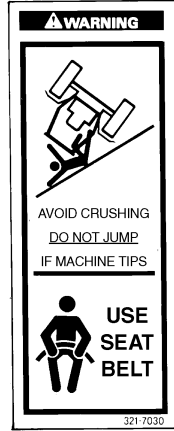
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SAFETY/DECALS/HAND SIGNALS

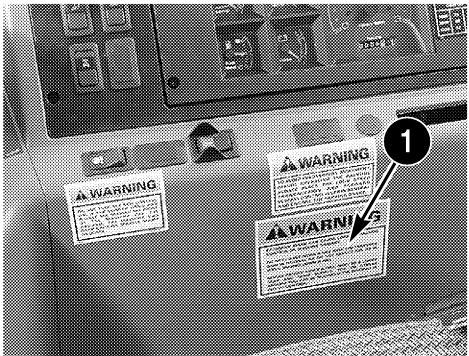


1. 321-7030

BP9410011

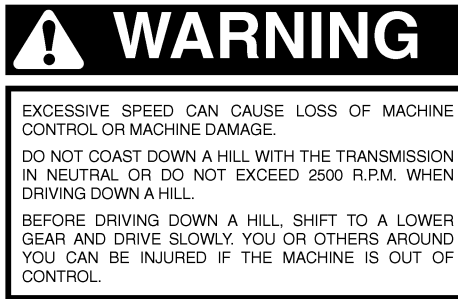


321-7030

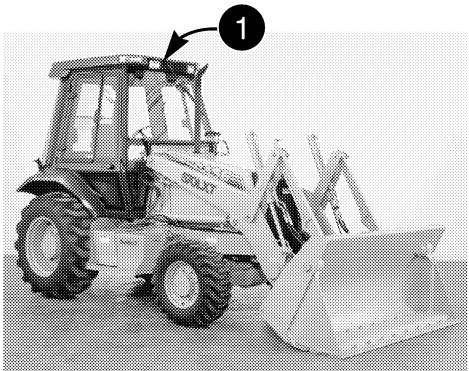


1. D150900

BK97K150



D150900



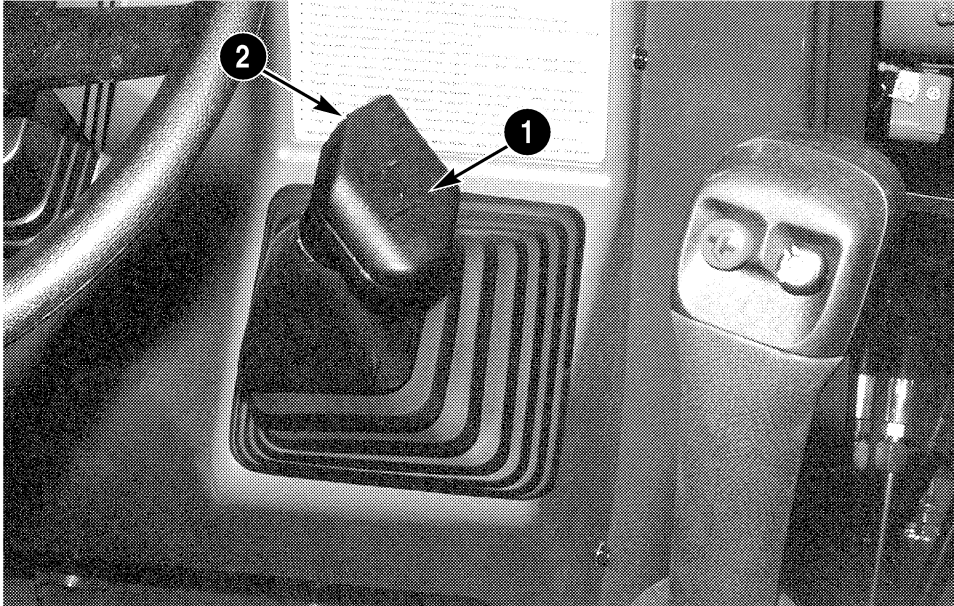
1. 112236A1

BS97M032



112236A1

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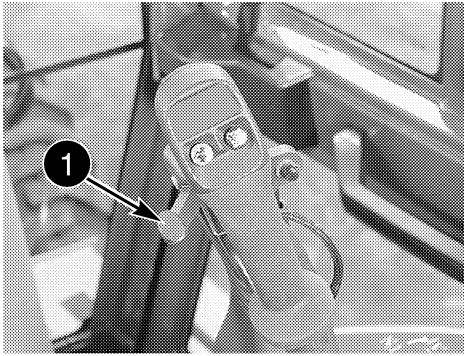
1. TRANSMISSION SHIFT LEVER: The transmission has synchromesh in all four gears. You can shift to any gear without stopping the machine. Push the clutch cutout button on the transmission shift lever before you shift. Release the button to engage the clutch after the shift.

NOTE: *When shifting to a lower gear, reduce the travel speed before you shift.*

2. CLUTCH CUTOUT BUTTON: Push this button before you shift the transmission gears. The transmission is in NEUTRAL when this button is pushed.

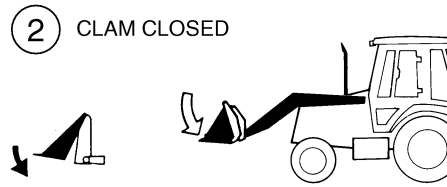
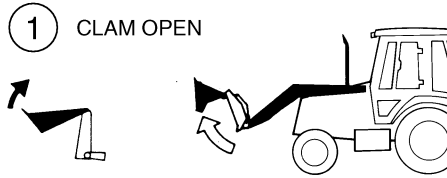
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Clam Control and Lockout (If Equipped)



1. CLAM CONTROL AND LOCKOUT

BK97K159

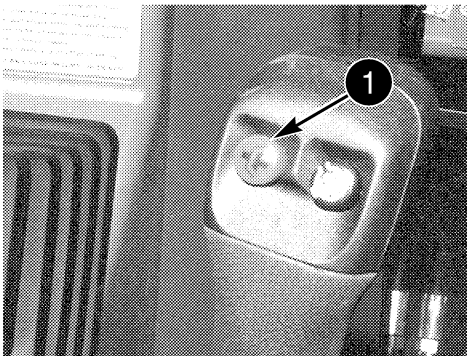


B9410262

③ HOLD - NEUTRAL: The clam stops moving when the control handle is in HOLD. The clam control handle is equipped with a lock latch. The latch should be in the locked position when the clam is not in use.

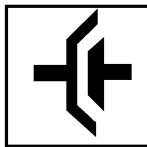
NOTE: *The latch is not automatic - it must be manually engaged.*

Clutch Cutout Button



1. CLUTCH CUTOUT SWITCH

BP97N044



Push the clutch cutout button to allow the engine to increase speed and supply the loader with more hydraulic oil for greater loader power and faster control function. When you push the clutch cutout button, the transmission is disengaged from the drive wheels. Release the clutch cutout button to engage the transmission power. The machine can move freely when the clutch cutout button is pushed. If required, use the brake to stop the machine.

TRIM THIS EDGE

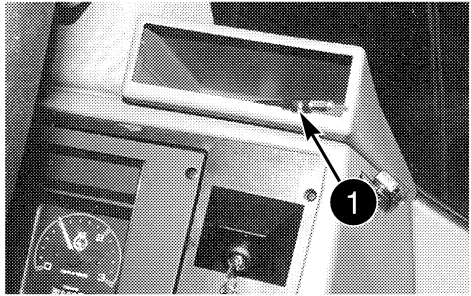
CAB AND CANOPY OPTIONS

The cab and canopy options include the following:

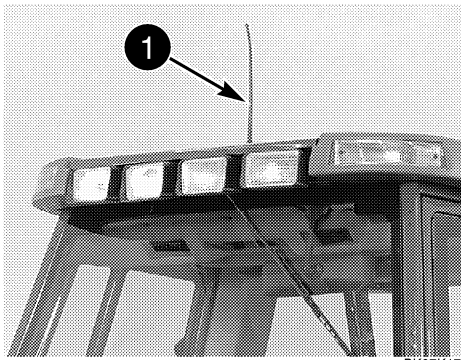
- A. Radio Ready Package
- B. Windshield Washer
- C. Sun Visor
- D. Deluxe Interior
- E. Noise Reduction Package

Radio Ready Package Option

The radio ready package includes the radio mounting box, wiring harness, speakers and antenna. Radio not included.

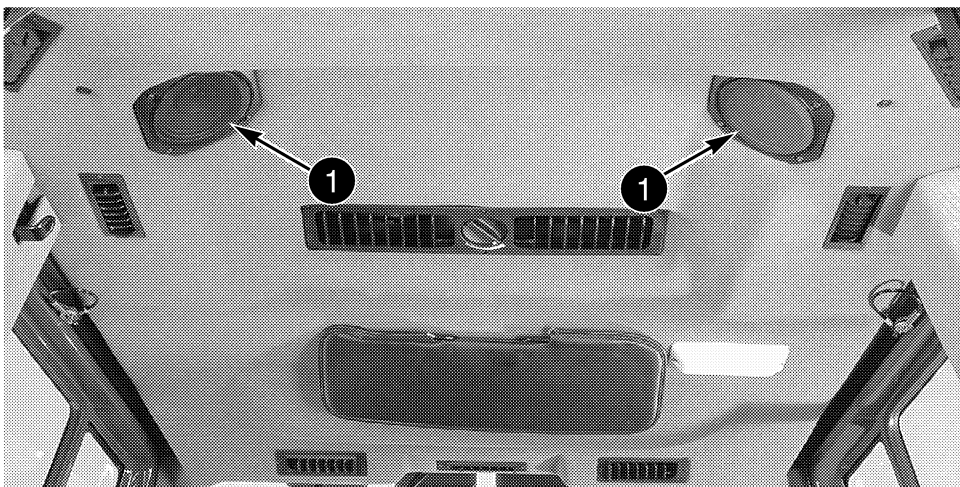


1. RADIO LOCATION



1. ANTENNA LOCATION

TRIM THIS EDGE



1. RADIO SPEAKERS

NOTE: Do not operate the starter motor more than 30 seconds at one time. Let the starter motor cool for two minutes before you actuate the starter motor again. While the starter motor is engaged, white or black smoke must be seen at the exhaust pipe. If no smoke is seen, check the fuel supply.

7. After the engine starts, check the instruments to make sure the gauge indications are correct. Run the engine at 1000 rpm until the coolant temperature is warm.

Engine Speed

Do not run the engine at idle speed for long periods. This can cause a low operating temperature. Low operating temperature can cause acids and deposits in the engine oil. It is recommended that you run the engine at full throttle when operating conditions permit and when safe.



WARNING: *Jumping on or off the machine can cause an injury. Always face the machine, use the hand rails and steps, and get on or off the machine slowly.*

SA038

TRIM THIS EDGE

Parking the Machine

1. When the work day is finished, make sure the machine is parked on level ground. The machine must be on level ground before you do scheduled maintenance.
2. Lower the loader bucket to the ground.
3. Apply the parking brake and shift the direction control lever to NEUTRAL.
4. Lower the attachment to the ground and stop the engine.

IMPORTANT: *If you must temporarily park the machine on a hillside, put the front of the machine toward the bottom of the hill. Make sure the machine is behind an object that will not move.*



WARNING: *Jumping on or off the machine can cause an injury. Always face the machine, use the hand rails and steps, and get on or off the machine slowly.*

SA038

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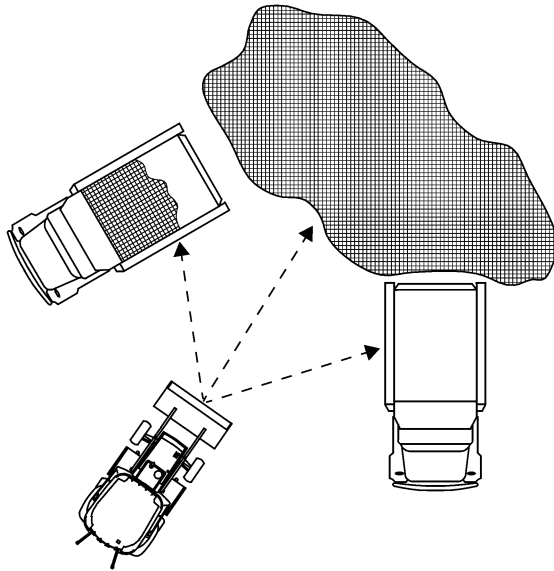
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Job Layout

Set up the work cycle as short as possible. Truck positioning is very important for fast cycles.

Spend a few minutes leveling off the work area, if necessary. Smooth runways for the machine and a level parking area for trucks will speed up the job.



B9412080T



WARNING: *Operating a loader with a full bucket on a hillside can cause the machine to roll over. If possible, avoid turning the machine and always move forward up the hill and back down. Always keep the load low. If you do not follow these instructions, you can be injured or killed.*

SA058



WARNING: *When you operate the machine, keep the loader bucket as low as possible. This low position gives better balance and permits you to see more clearly. If the bucket is full and you move the machine over ground that is rough or surfaces that can cause the machine to slide, always operate at slow speed. If you do not use this procedure, the machine can go out of control and roll-over.*

SA041

TRIM THIS EDGE

LUBRICATION / MAINTENANCE CHARTS

GENERAL SAFETY BEFORE YOU SERVICE

WARNING: *Improper service or repair can cause injury or death. If you do not understand the service procedures for this machine, see your Case dealer or the Service Manual for this machine.*

SA021

Read the safety decals and information decals on the machine. Read the operator's manual and safety manual. Understand the operation of the machine before you start servicing.

Use the correct safety clothing and safety equipment. Understand how to use a fire extinguisher and first aid kit.

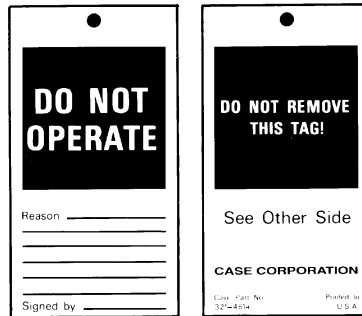


B801147T

Before you service the machine, put a Do Not Operate tag on the steering wheel. One Do Not Operate tag, is included with your new machine. Additional tags, part number 321-4614, are available from your Case dealer.



B770996R



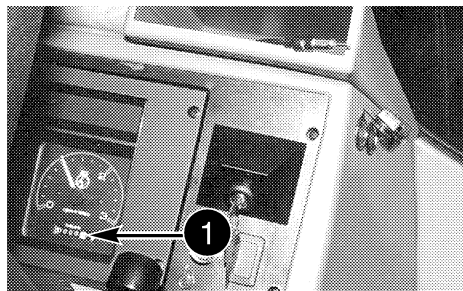
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ENGINE HOURMETER

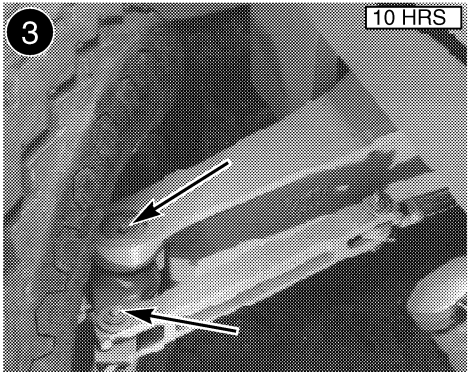
Service your machine at the intervals and locations given in the Lubrication/Maintenance Charts. When you service your machine, use only high quality Case lubricants.

The engine hourmeter shows the amount of actual hours the engine has run. Use the engine hourmeter along with the Lubrication/Maintenance Charts to service your machine at the correct time periods.



BP97N043

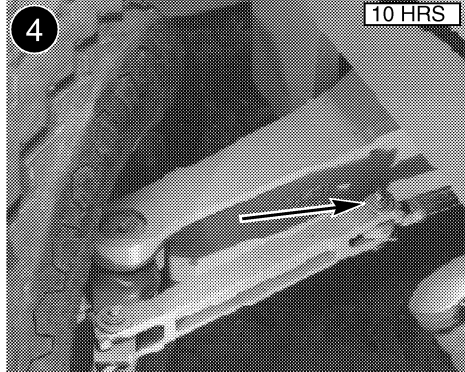
1. HOURMETER



10 HRS

BP9410043

Tie Rod End - Outer 2
King Pins - Upper and Lower 4

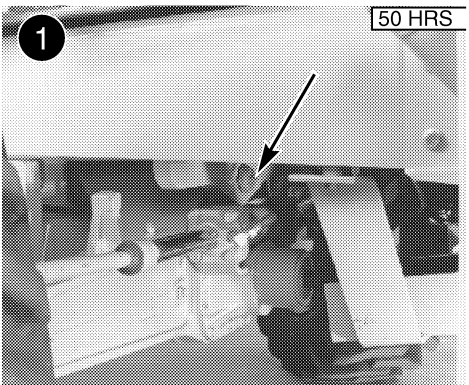


10 HRS

BP9410043

Tie Rod End - Inside..... 1

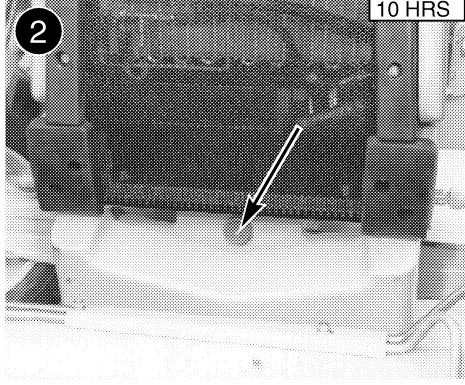
Four Wheel Drive Front Axle



50 HRS

BP941088

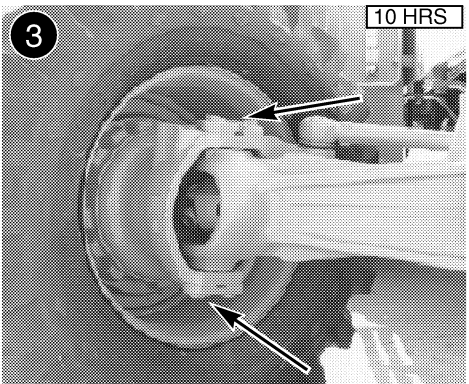
Front Axle Rear Pivot 1



10 HRS

BP9410105

Front Axle Pivot 1

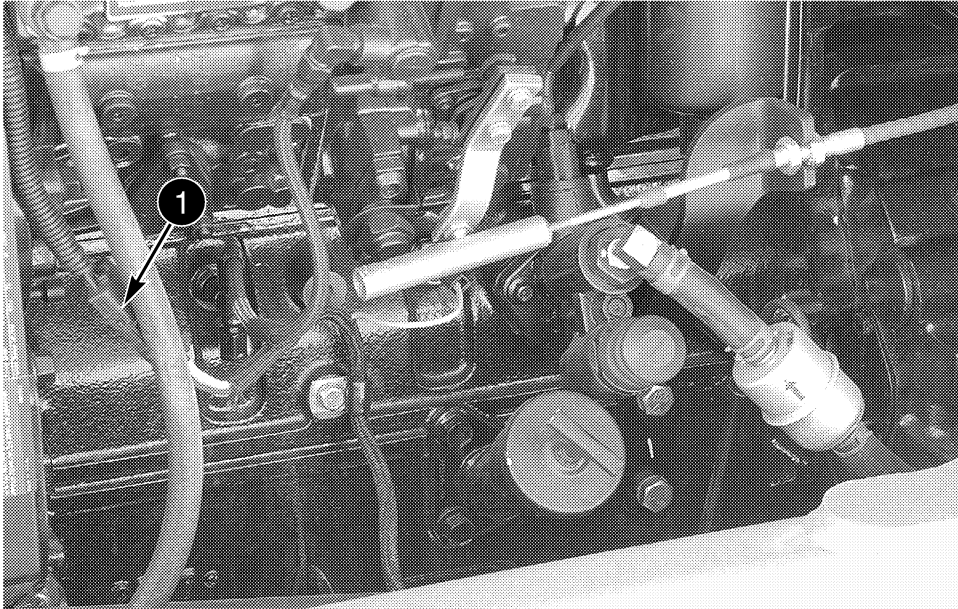


10 HRS

BP9410120

King Pins - Upper and Lower 4

TRIM THIS EDGE



BK97M027

1. INJECTION PUMP ELECTRICAL CONNECTOR

10. If your machine is equipped with a turbocharger, fill the turbocharger oil lines with oil.

A. See the photo at the top of this page. Disconnect the electrical connector to the injection pump solenoid. This will prevent the engine from starting.

B. Make sure other persons are clear of the machine. Turn the key switch to START and actuate the starter for about 10 to 15 seconds.

C. Connect the wire to the injection pump solenoid.

11. Start the engine and run at idle speed. Check the engine oil filter for leaks. After two minutes, stop the engine, wait 2 or 3 minutes, and check the engine oil level with the dipstick.

12. Close the hood.

Systemgard Lubrication Analysis Program

The normal engine oil change interval is every 250 hours of operation, or once a year, whichever occurs first. Operating conditions, quality of the engine oil and sulphur content of the fuel can change this interval. It is recommended that you use the Systemgard Lubrications Analysis Program. See page 100 and your dealer.

TRIM THIS EDGE

Replacing the Fuel Filter

Replace the fuel filters every 500 hours of operation or if you have a loss of engine power.

1. Clean the area around the filter.
2. Use a filter wrench and turn the filter counterclockwise to remove.
3. Remove the rubber seal from the spud on the filter head.
4. Use a cloth and clean the gasket surfaces of the filter body.
5. Apply clean engine oil to the new rubber seal.
6. Install the rubber seal on the filter head spud.
7. Apply clean oil to the gasket of the new filter. Do not fill the new filter with fuel before installation.
8. Turn the main filter clockwise onto the filter body until the filter gasket makes contact with the filter body. Continue to tighten the filter with your hand for 1/2 to 3/4 turn.

IMPORTANT: Do not use a filter wrench to tighten the filter. You can cause a leak if the filter is dented with the wrench.

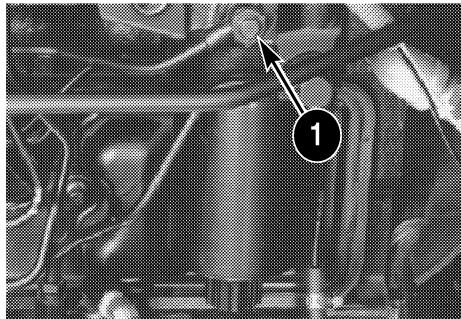
9. Remove the in-line fuel filter and discard. Install a new in-line fuel filter. Make sure the hose clamp and nut are tight.
10. Fill the tank with fuel.
11. Remove the air from the fuel system. See the next topic "Removing Air From the Fuel System".

Removing Air from the Fuel System

Air must be removed from the fuel system if one or more of the following conditions occurs:

- If the engine stops because of no fuel in the tank.
- If the fuel filters are replaced.
- If the fuel system has been serviced.
- If the machine has been in storage for three months or more.

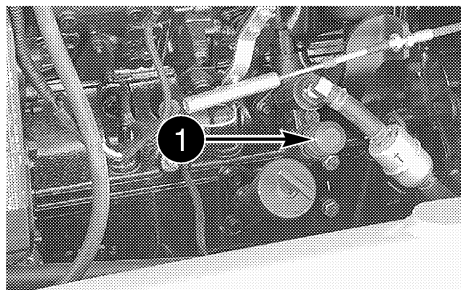
1. Fill the fuel tank.
2. Loosen the air removal screw on the filter head two or three turns.



BP9410046

1. AIR REMOVAL SCREW

3. Actuate the hand primer pump. When fuel with no air flows from the air removal screw, tighten the air removal screw.



BK97K211

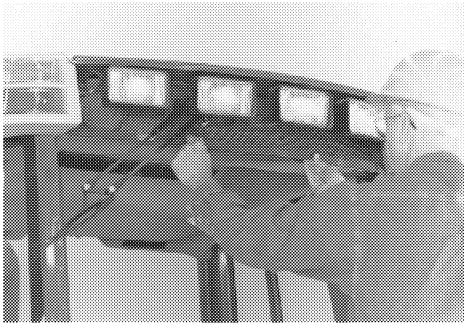
1. HAND PRIMER PUMP

TRIM THIS EDGE

CAB AIR FILTER

Clean the cab air filters (if equipped) every 1000 hours of operation or if the air flow in the cab is reduced.

1. Remove the mounting bolt.



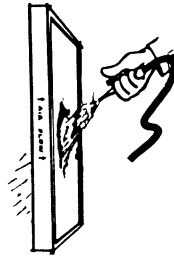
BP9410094

2. Remove rear screen.
3. Remove the recessed hex capscrew in the center.
4. Remove the air filters. Each filter is retained on the outer end by a clip. Slide the left-hand filter to the center and then remove out the left side. Remove the right-hand filter out the left side.
5. Use a cloth and clean the filter area.
6. Install the new or serviced filter. Make sure the arrows on the filter point toward the cab.
7. Install the cover, slide each locking plate inward, and tighten the mounting nuts.

Cleaning the Filter

Check the dirty element for damage and check the rubber seal on the end. Push the rubber seal with your finger. If the rubber seal feels hard and does not move back to original shape, discard the element.

1. Be sure to wear face protection. Remove the loose dirt with compressed air, 207 kPa, 2 bar (30 psi) maximum. Hold the nozzle at least 25 mm (one inch) from the element.



CA5005

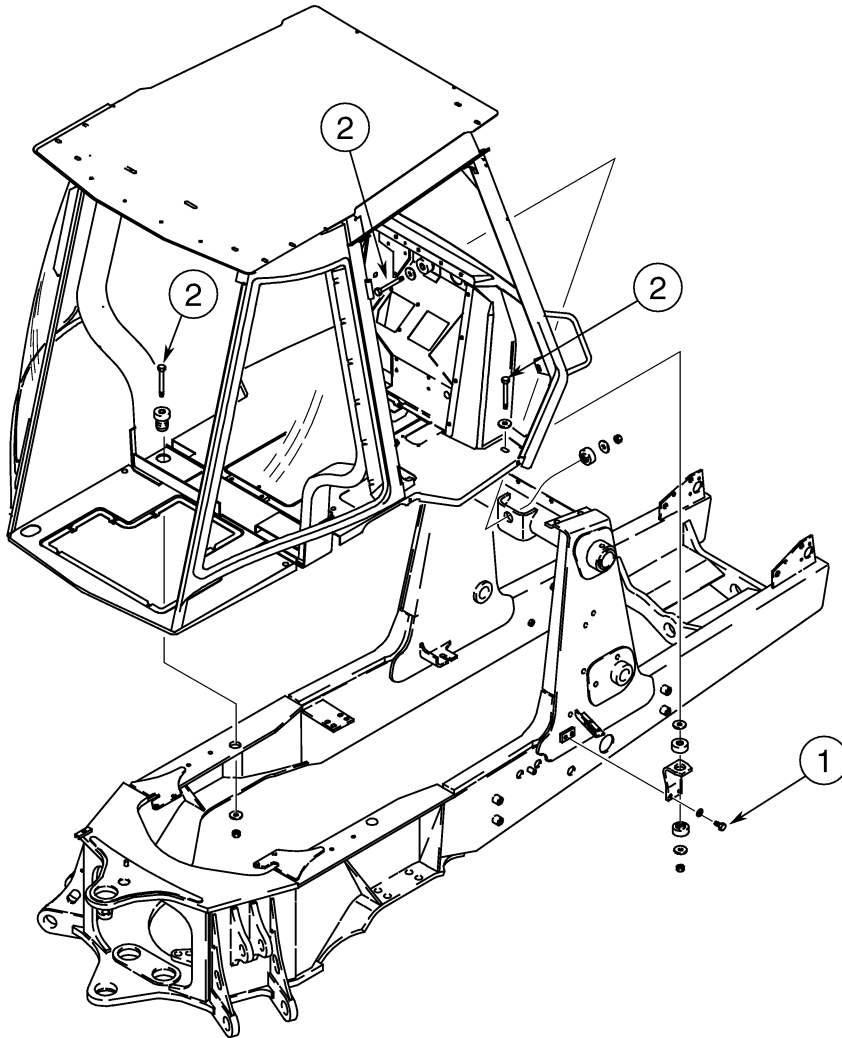
2. Mix two tablespoons or one ounce (29.6 ml) of D1400 detergent (Case part number A40910) with two gallons (7.6 litres) of water, one cup or 236 ml (8 ounces) for 60 litres (16 gallons) of water.
3. Soak the element in the soap solution for 15 to 20 minutes and then shake the element up and down rapidly to loosen as much dirt as possible.



CA5006

TRIM THIS EDGE

Mounting Bolts for ROPS Canopy, ROPS Cab and Lower Frame



TRIM THIS EDGE

- 1. 125 TO 150 Nm (93 TO 112 POUND-FEET)
- 2. 298 TO 358 Nm (220 TO 264 POUND-FEET)

BT96D011

NOTE: *These mounting bolts are the same for ROPS cab and ROPS canopy.*

MACHINE STORAGE

Storage Preparation

If the machine is to be in storage for more than 30 days, park the machine inside a building. If a building is not available, park the machine in a dry area on planks and cover the machine with a waterproof covering.

1. Wash the machine.
2. Lubricate the machine at all grease fittings.
3. Paint any area where the paint has been damaged.
4. Move all hydraulic controls to relieve any pressure in the hydraulic circuits.
5. Drain the fuel tank.
6. Put approximately 8 litres (2 U.S. gallons) of diesel flushing oil in the fuel tank. Run the engine until the exhaust smoke is blue white.
7. Drain the flushing oil from the fuel tank.
8. Put 4.93 ml (0.167 ounce) or one teaspoon of Shell Oil Company VPI crystals in the fuel tank.
9. Change the engine oil and replace the oil filter.
10. Drain the cooling system. Leave the drain valves open and do not tighten the radiator cap. Put a Do Not Operate tag on the steering wheel.
11. Clean or replace the primary element for the air filter.
12. Cover the exposed cylinder rods, equipment valve spools, etc., with Case Rust and Corrosion Preventive (Part Number B17510).
13. Charge the battery(ies). Remove the batteries from the machine and put the batteries on a wooden pallet in a cool dry area. If possible, keep the batteries in a building where the temperature is above freezing (0°C, 32° F). Make sure the batteries are clean.

NOTE: *Check the battery(ies) periodically for the correct electrolyte level. Wear face protection and test the electrolyte with a hydrometer. When the hydrometer reading is near 1.215, charge the battery (ies).*

TRIM THIS EDGE

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