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MANUAL PREVIEW

J.I. Case

Operator's Manual

480C

Loader Backhoe

Operator's Manual

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INTRODUCTION
TO THE OWNER

This manual is your guide to safe, productive operation. Read it carefully. It will help to reduce trial and error learning. It should also minimize damage and downtime caused by improper maintenance.

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3. **HEATER FAN SWITCH:** The heater fan switch has three positions. Off, High Speed and Low Speed. The left position is Off. Turn the knob to the right for High Speed. Turn the knob further to the right for Low Speed.



4. **REAR WINDOW:** You can open the rear window and store it above your head.
- a. To open the window, disconnect the windshield wiper wire, unlock the two upper rollers and pull up. The window will move forward on its tracks. Lock the window in place with the left lock.
 - b. To close the window, release the lock and push the window to the rear. Lower the window carefully. When the window is closed, reconnect the windshield wiper wire and lock the window.



Rear Window Open

Rear Window Closed

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The drawbar for machines without the three-point hitch can be turned from side to side on a pivot. It can be fastened in several positions. The machine can pull more evenly with the drawbar in the center position. This position makes the machine easy to control and prevents strain on the machine and implement. You can use different positions for some types of operations, for example, to make turning easier, to permit the machine to move in a specific position in relation to the implement, etc.

Always fasten the drawbar in the center position when you must move the machine in reverse direction with an implement fastened to the drawbar.

COUNTERWEIGHT

A 1400 pound (635 kg) counterweight is available for use when the Backhoe is removed. The counterweight mounts on the existing rear support arms. If the machine is equipped with a three-point hitch and is to be used as a loader, the hitch must be removed and the counterweight installed to provide stability unless the attachment on the 3-point hitch provides the same rear weight as the counterweight.

WARNING: When installing the rear 1400 lb (635 kg) counterweight, do not remove the hoist until the two upper mounting pins have been installed. The counterweight could fall causing injury. 34-9

WARNING: When backhoe is removed, always install rear 1400 pound (635 kg) counterweight or equivalent rear weight. Failure to observe this warning could result in reduced vehicle braking and/or cause the machine to tip over. 46-2

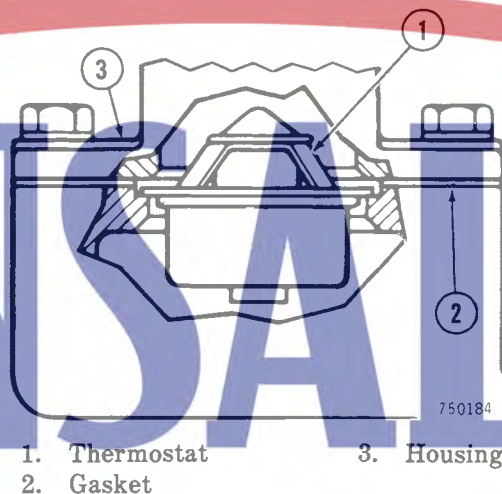


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4. Remove gasket from thermostat housing and/or water manifold.
5. Install new thermostat.
6. Place new gasket on water manifold and reinstall thermostat housing, tightening the bolts evenly. Then reinstall upper hose on thermostat housing and tighten hose clamp.
7. Refill radiator and operate engine for about five minutes and check for leaks. Check coolant level and add as required.



Cleaning the Cooling System

To clean the system:

Clean the cooling system every 2000 hours or at least once a year. In areas where water containing scale forming minerals is all that is available, clean the system more often.

1. Remove accumulated dirt and grease from engine and radiator.
2. While the coolant is still warm, open the radiator drain valve and the engine block drain plug. Remove radiator cap to aid draining. Drain all coolant and close drain valve and replace the plug.
3. Add a radiator cleaner to the system and refill with clean water. Use a cleaner marketed by a reputable manufacturer. Follow the directions provided with the cleaner.
4. After draining the cleaning solution, check hoses, water pump, radiator and gaskets for leaks. Then flush the cooling system with clean water.

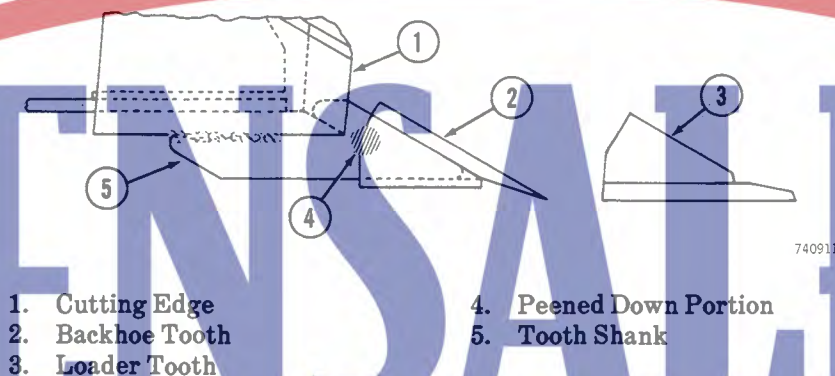
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Check the fan belt tension after the first 20 hours of operation and every 200 hours thereafter. Use of a belt tension gauge will give the most accurate reading.

Adjust a new belt to 120 pounds (54 kg). Thereafter, maintain 80 pounds (36 kg) tension. Refer to the illustrations on page 132.

To adjust belt tension, loosen the adjusting bolt on the mounting strap. Hold the alternator out with a bar and tighten the bolt. Recheck the belt tension.

BUCKET TEETH



CAUTION: Wear safety glasses when servicing the machine, especially when pounding or grinding.

6-3

Use a suitable tool and raise peened portion on each side of tooth and remove tooth from shank. The peened area may be heated with an acetylene torch to aid removal. Slide new tooth onto shank as far as it will go and peen each side into depression in shank.

SAFETY DECALS

Clean all safety decals and machine information decals (a) every 10 hours of operation or (b) any time they become dirty and can not be read.

Clean the decals with a damp cloth. Do not use solvents or fuel. If the decals are destroyed, lost, painted over or can not be read, always install a new decal. When individual parts are replaced that have decals attached, be sure to install a new decal with the new part. Decals are available from your Case dealer.

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