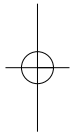


888C

Operator's Manual

9-12491

CASE



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SAFETY DECALS

 ***Injury of death can result if you cannot read a safety decal or if a safety decal is missing. Replace any missing or damaged safety decal and keep all safety decals clean. See your Case dealer for new safety decals.***

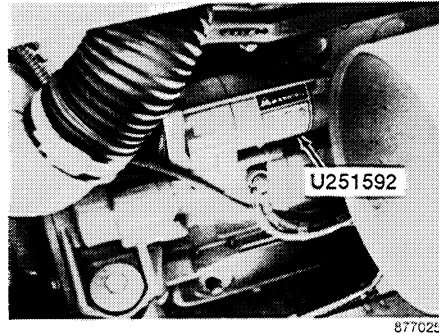
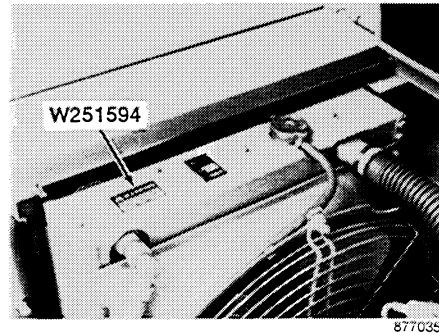
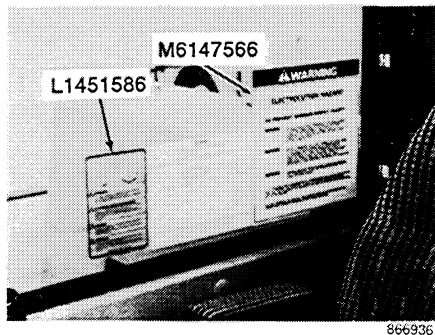
84-170A

Make sure that you can read all safety decals and all instruction decals. Check these decals every day before you start. Clean these decals if you cannot read the words.

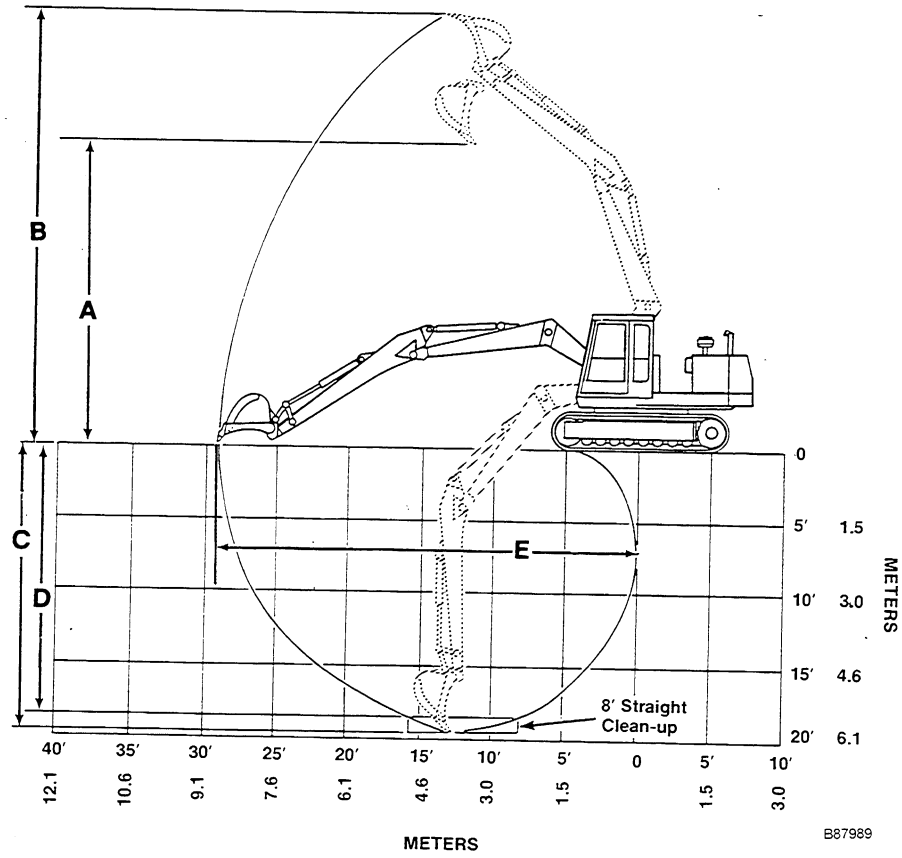
When you clean the decals, use only a cloth, water, and soap. Do not use solvent, gasoline, etc.

You must replace a decal if the decal is damaged, the decal is missing, or the decal cannot be read.

If a decal is on a part that is replaced, make sure you install a new decal on the new part. See your Case dealer for new decals.



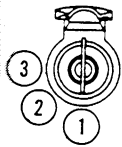
SPECIFICATIONS



Operating Data - 8 ft 10 in (2.70 m) Arm

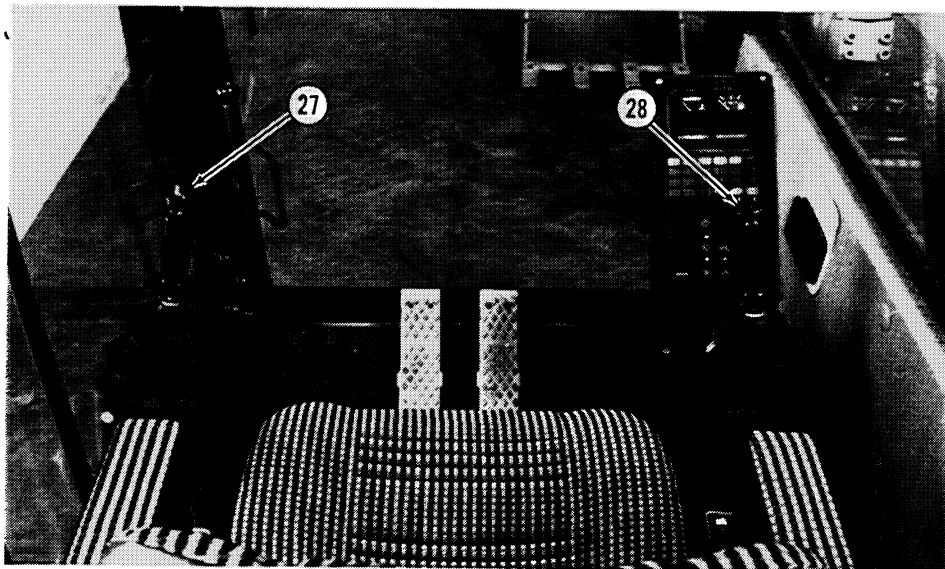
- A Loading height 20 ft 8 in (6.30 m)
- B Overall height 29 ft 10 in (9.10 m)
- C Maximum digging depth (to tip of teeth) 19 ft 5 in (5.92 m)
- D Maximum depth for 8 ft (2.44 m) flat bottom 18 ft 8 in (5.70 m)
- E Maximum reach at ground level 29 ft 4 in (8.95 m)

CONTROLS AND INSTRUMENTS



26. KEY SWITCH: The key switch has three positions, (1) OFF. (2) ON: All gauges and electrical systems are actuated. (3) START: Push the key into the key switch and turn the key to this position. The starter motor will engage. The key will return to the ON position when you release the key. See page 45 for correct starting procedure.

HAND CONTROLS



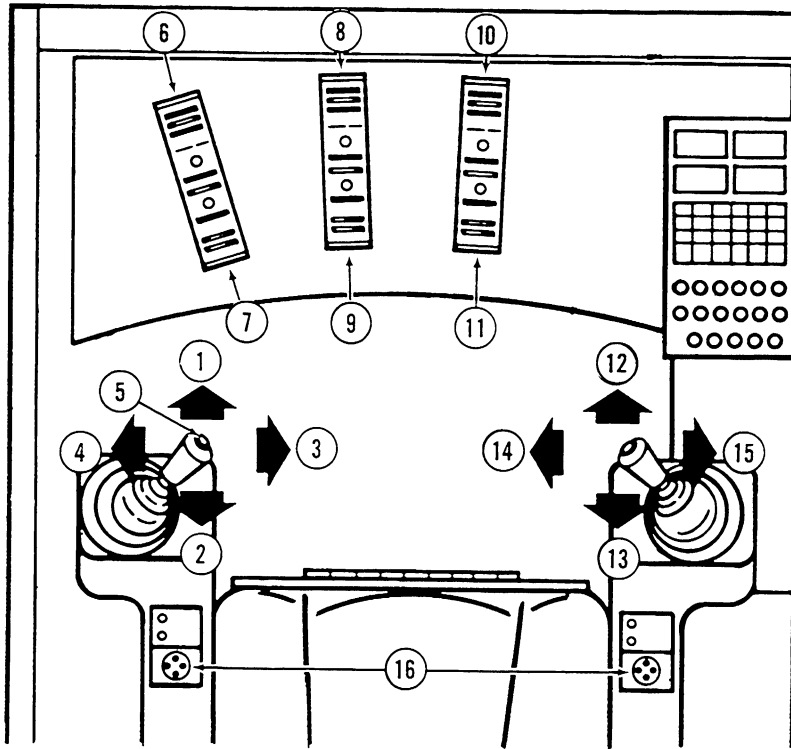
27. LEFT HAND CONTROL LEVER: See pages 39 through 43 for additional information.

28. RIGHT HAND CONTROL LEVER: See pages 39 through 43 for additional information.

CONTROLS AND INSTRUMENTS

Control Pattern C (Optional) CAB IN NORMAL WORKING AND TRAVEL POSITION

Cab over the idler end of track frame.



NOTE: See page 39 for additional information.

850514

LEFT CONTROL LEVER

1. Hoist Down (Boom Down)
2. Hoist Up (Boom Up)
3. Swing Right (Turntable)
4. Swing Left (Turntable)
5. Horn

LEFT PEDAL, OUTSIDE

6. Optional
7. Optional

LEFT PEDAL, INSIDE

8. Left Track Forward
9. Left Track Reverse

RIGHT PEDAL, INSIDE

10. Right Track Forward
11. Right Track Reverse

RIGHT PEDAL, OUTSIDE

Not Used

RIGHT CONTROL LEVER

12. Crowd Out Arm, (Dipper Out)
13. Crowd In Arm, (Dipper In)
14. Tool In (Bucket In)
15. Tool Out (Bucket Out)
16. Control Pattern Decals

OPERATING INSTRUCTIONS

MACHINE OPERATION

Before operating the machine make sure all the access panels and doors are closed and locked.

If the cab door is open make sure the door is latched in the open position.

Use a slow engine speed while you learn to operate the hand and foot controls. At first, operate the hand and foot controls separately, then operate two or more controls at the same time. Gradually increase the engine speed until the engine is running at full throttle.

Before you move the machine, do the following:

1. Make sure the cab is over the idler end of the track frame (TRAVEL position).
2. Make sure the arm (dipper) is pulled in under the boom.
3. Make sure the swing lock pin is engaged when traveling to prevent the turntable from turning.

MAINTENANCE AND LUBRICATION _____

RUN-IN PERIOD

During the first 20 hours of operation for a new machine, or a machine with a rebuilt engine, make sure you do the following:

1. Operate the machine with normal bucket loads for the first 8 hours.
2. Keep the engine at normal operating temperatures.
3. Do not run the engine at idle speeds for long periods of time.
4. See the Run-In Maintenance Schedule below for additional information.
5. After the first 20 hours of machine operation, have your Case dealer do the After Delivery Check at the back of this manual.


RUN-IN MAINTENANCE SCHEDULE

The following items are to be done during the Run-In Period and are in addition to the items in the Maintenance Schedule on the following page.

_____ AFTER FIRST 20 HOURS OF OPERATION _____

Have your Case dealer do the After Delivery Check See page 3 and 97

Check torque of track shoe bolts See page 90

 **WARNING: Machine movement without an operator can cause injury or death. If you must service this machine with the engine running, have another person help you and follow the instructions in the operators manual or service manual. Do not leave the machine when the engine is running.** 84-101

_____ AFTER FIRST 100 HOURS OF OPERATION _____

Check torque of track shoe bolts See page 90

_____ AFTER FIRST 500 HOURS OF OPERATION _____

Change oil swing reducer See page 87

Change oil final drive transmission See page 88

MAINTENANCE AND LUBRICATION

5. Install the clean or new primary element. Tighten the wing nut.

NOTE: *The date of manufacture is on the end cap of the primary element. Do not install a primary element that is more than two years old.*

Cleaning the Primary (Outer) Element

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.

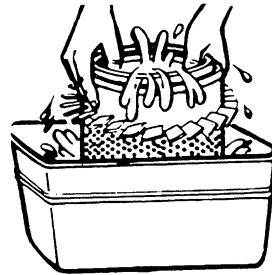
1. Remove the dirt with compressed air - 30 psi (207 kPa, 2.1 kg/cm²) maximum. Hold the nozzle at least one inch (25 mm) from the element.



860813

2. Mix two tablespoons of D1400 detergent (Case part number A40910) with two gallons (7.6 litres) of water, one cup for 16 gallons (60 litres) of water.

3. Soak the element in the soap solution for 15 to 20 minutes and then move the element up and down rapidly to loosen as much dirt as possible.



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4. Use a water hose without a nozzle with pressure less than 40 psi (275 kPa, 2.8 kg/cm²) to remove all soap from the element.

5. Allow the element to air dry. If you use a drier, do not exceed 160° F (71° C) and make sure the air is circulating in the drier.

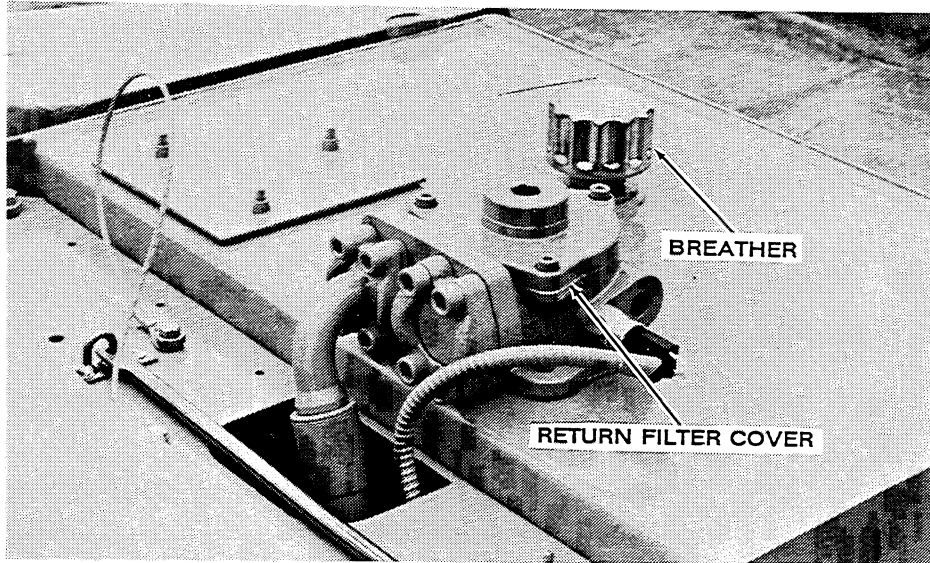
6. Use a light and inspect the element for holes or splits in the pleats. Check for damage to the metal parts and rubber gasket. Replace the element if damaged.



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MAINTENANCE AND LUBRICATION _____

RETURN FILTER



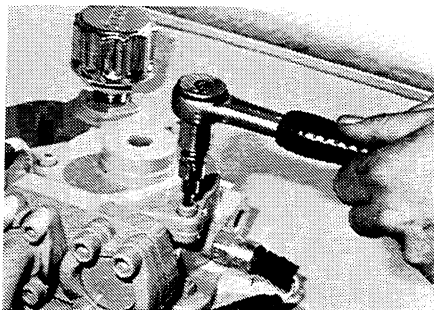
880134

1. Loosen the breather two turns to release any air pressure from the hydraulic reservoir.

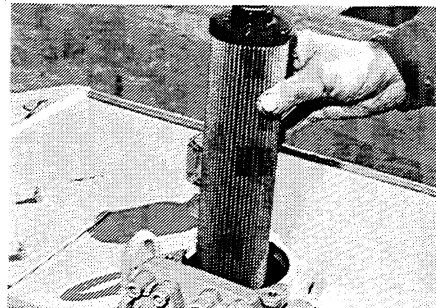
2. Loosen and remove the three fastening screws so as to free the hydraulic filter cover.

3. Remove the cover.

4. Remove and discard the filter element.



880135

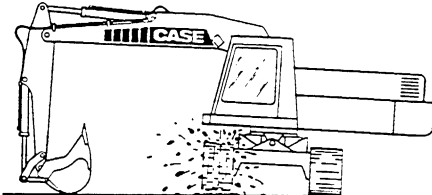


880136

MAINTENANCE AND LUBRICATION

TRACKS

Cleaning



850519

1. Rotate the turntable to the side of the machine.
2. Use the bucket to raise the track above the ground.
3. Run the engine at full throttle.
4. Actuate the track control in FORWARD or REVERSE to remove the dirt, mud, and debris from the track.
5. Repeat steps 1, 2, 3, and 4 for the other track.
6. If necessary, manually remove the remaining dirt, mud, and debris from the track frame and rollers.

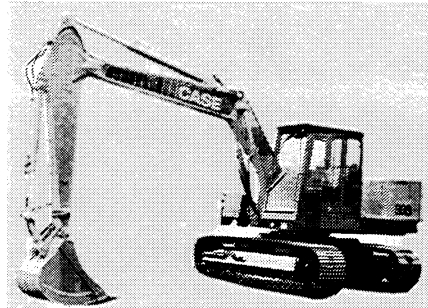
Checking Tension

Check the tension of each track every 100 hours of operation.

Park the machine on a flat hard surface to check the track tension.

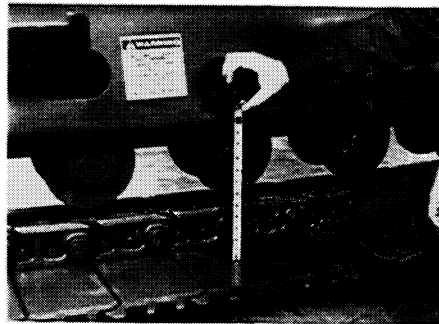
Clean the tracks before you check the tension.

1. Use the attachment to raise one side of the machine until the track pads are above the ground.



880159

2. Measure the track deflection at the center of the track between the bottom of the track frame and the track pad.



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3. The deflection must be 10.2 to 11.1 inches (260 to 280 mm).
4. Adjust the track tension according to the information on the following page.

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