


Service Information System

Product: NO EQUIPMENT SELECTED

Model: NO EQUIPMENT SELECTED

Configuration: NO EQUIPMENT SELECTED

Disassembly and Assembly

E110B EXCAVATOR VEHICLE SYSTEMS

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Boom Cylinders

SMCS - 5436-010

Remove And Install Boom Cylinders

1. Lower the bucket to the ground with the stick fully extended and the bucket fully open.



WARNING

At operating temperatures, the hydraulic oil tank is hot and under pressure. Hot oil can cause burns. Remove the fill plug only when the engine is stopped, and the fill plug is cool enough to touch with your bare hand.

2. Release the pressure in the hydraulic oil tank by slowly loosening the pressure cap located on the side of the tank.



3. Disconnect information line (1) from the end end of the boom cylinder.

4. Fasten a hoist to the left hand boom cylinder as shown. Remove two bolts (1) and tension (2) from the end of the support pin. Push the support pin only out of the end end of the left hand boom cylinder, and into the hoist. Lower the left cylinder down as far as it can go.



5. Refasten the hoist to the left hand boom cylinder as shown. Raise the cylinder until it is level, and reattach the hoist to hold the cylinder level. Disconnect two hoses (6) from the tubes on the cylinder. Check the condition of the o-ring seals in the ends of the hoses. If the seals are damaged, use new parts for replacement. Put plugs in the ends of the hoses to keep dirt and debris out of the hydraulic system.

6. Remove bolt (4) and support pin (5). Remove boom cylinder (7). Weight of the cylinder is 116 kg (255 lb).

7. Fasten a hoist to the right hand boom cylinder. Push the support pin out of the right hand boom cylinder and into the hoist. Lower the cylinder down as far as it will go. Fasten a hoist to the support pin, and remove it.

8. Repeat the procedure in Steps 3, 5 and 6 to complete the removal of the right hand boom cylinder.

NOTE: Be sure the pin hoses at the frame, boom and boom cylinders are clean and free of dirt prior to installation of the boom cylinders. The boom cylinders can be installed in the reverse order of removal.

9. Fill the hydraulic oil tank with oil to the correct level. Lubricate the booms mounting pin and the boom cylinder mounting pin. See the Operation & Maintenance Manual for the correct procedure.

See also the following references:

Caterpillar Excavator E110b Dsl 9hf1up Oemengine Only Mitsubishi Operators Manual

JE Gale



Caterpillar Excavator E110b Dsl 9hf1up Oemengine Only Mitsubishi Operators Manual:

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