



Service Manual

325B L EXCAVATOR

S/N 2JR00001-UP



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Product: EXCAVATOR

Model: 325B L EXCAVATOR 2JR

Configuration: 325B L Excavator 2JR00001-UP (MACHINE) POWERED BY 3116 Engine

Disassembly and Assembly

SUPPLEMENT FOR 325B MATERIAL HANDLER MACHINE SYSTEMS

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Auxiliary Hydraulic Pump

SMCS - 2525-010; 2525-017

Remove & Install Auxiliary Hydraulic Pump

Fluid Spillage Containment

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the machine. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids. Refer to "Tools And Shop Products Guide", NENG2500 for Tools and supplies suitable to collect and contain fluids in Caterpillar machines. Dispose fluids according to local regulations and mandates.

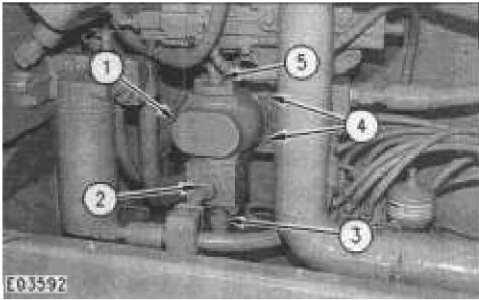
1. Start the machine, and fully extend the stick and attachment. Lower the stick and attachment to the ground.



At operating temperature, the hydraulic oil tank is hot and under pressure. Hot oil can cause burns. To prevent possible personal injury, release the pressure in the attachment hydraulic circuits (boom, stick and attachment) before any hydraulic lines or components are disconnected or removed.

2. Release the pressure in the attachment hydraulic circuits (boom, stick, and attachment) before any hydraulic lines or components are disconnected or removed. Release the pressure as follows:
 - a. Shut off the engine and place key in the ON position. Put the hydraulic activation control lever in the UNLOCK position.
 - b. Move the control levers for boom, stick and swing to all full stroke positions. This will release any pressure that might be present in the pilot system.

- c. Return the key to OFF position.
- d. Slowly loosen the fill plug on the hydraulic tank and release the pressure.
- e. Tighten the fill plug on the hydraulic tank.
- f. The pressure in the hydraulic system has been released and lines and components can be removed.



- 3. Put identification marks on all hose assemblies and tube assemblies that are connected to the main hydraulic pump for installation purposes.
- 4. Oil will drain from the hose assemblies that are connected to the auxiliary hydraulic pump. Place a suitable drain pan under the auxiliary hydraulic pump to collect the drain oil.
- 5. Disconnect hose assemblies (2), (3), and (5) from the auxiliary hydraulic pump. Put plugs in the ends of the hose assemblies to prevent loss of oil and to keep contaminants out of the hydraulic system.
- 6. Remove four bolts (4) and remove auxiliary hydraulic pump (1).

NOTE: The following steps are for the installation of the auxiliary hydraulic pump.

- 7. Replace all O-ring seals used in the ends of the hose assemblies that connect to the auxiliary hydraulic pump.
- 8. Install in reverse order of removal.
- 9. Fill the hydraulic oil tank with oil to the correct level. Refer to the Operation & Maintenance Manual for the correct filling procedure.

Disassemble & Assemble Auxiliary Hydraulic Pump

Start by:

- a. remove auxiliary hydraulic pump

1. Place alignment marks on all points of separation of the auxiliary hydraulic pump. This will assist in assembly.



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for your reading.
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to get more information.