



Service Repair Manual

Model

245 EXCAVATOR

Product: EXCAVATOR

Model: 245 EXCAVATOR 84X

Configuration: 245 EXCAVATOR 84X00001-UP (MACHINE) POWERED BY 3406 ENGINE

Disassembly and Assembly 245 EXCAVATOR VEHICLE SYSTEMS

Media Number -SEN7339-02

Publication Date -01/01/1983

Date Updated -12/10/2001

Swing Drive

SMCS - 5459-11; 5459-12; 5459-15; 5459-16

Remove Swing Drive

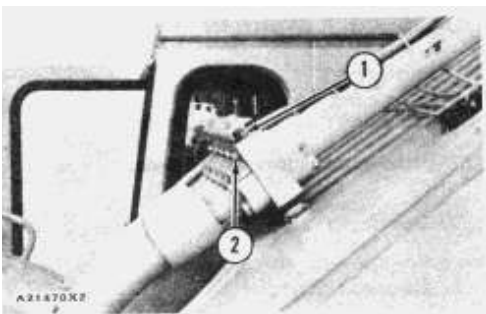
	Tools Needed	A
5P3508	Torque Multiplier	1

start by:

a) remove swing motor

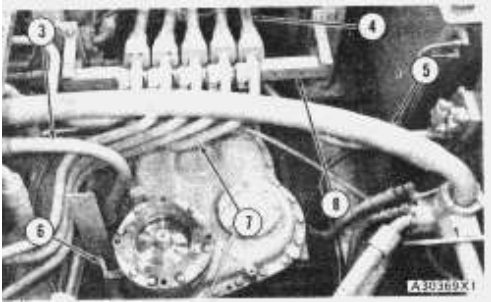
WARNING

Do not disconnect any oil lines from the implement circuits until all oil pressure in the implement circuits has been released.

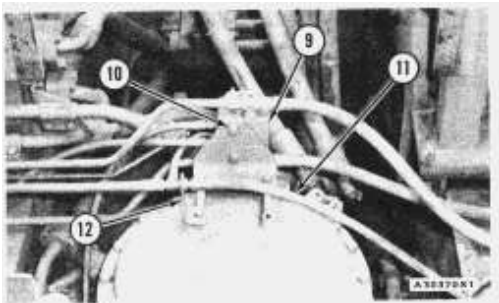


1. To release the oil pressure in the implement circuits, remove five plugs (2) and slowly loosen plugs (1) until the oil pressure is released. Tighten plugs (1) and install plugs (2).

2. Remove the oil from the hydraulic tank. The capacity of the tank is approximately 110 U.S. gal. (416.4 liter).



3. Disconnect the swing brake control linkage (6) from brake.
4. Remove hydraulic line (5). Disconnect oil line (3) from the manifold on the oil filters.
5. Disconnect five oil lines (4) from five oil tubes (7).
6. Disconnect the five oil tubes (7) from the main control valves. Remove oil tubes (7) and support (8) as a unit.
7. Disconnect oil line (11) at support (12). Remove the bolt that holds support (12) to the swing drive.



8. Remove bolts (10) that hold manifold (9) to the bracket.
9. Remove the bolts that hold the swing drive to the frame with tool (A).

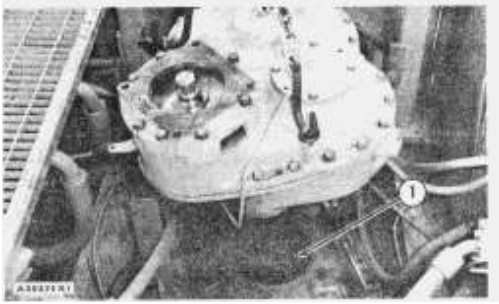


10. Install three 1/2" - 13 NC forged eye bolts (14). Fasten a hoist and remove the swing drive (13). Weight of swing drive is 1650 lb. (743 kg).

NOTE: The case has two holes for forcing screws. Forcing screws can be needed to loosen the case from the upper frame.

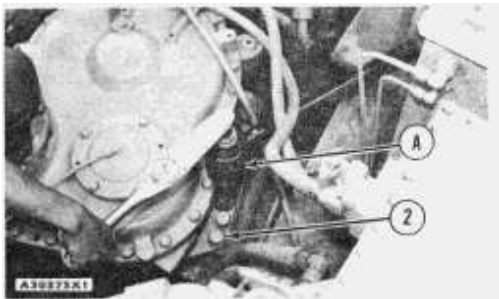
Install Swing Drive

	Tools Needed	A
5P3508	Torque Multiplier	1

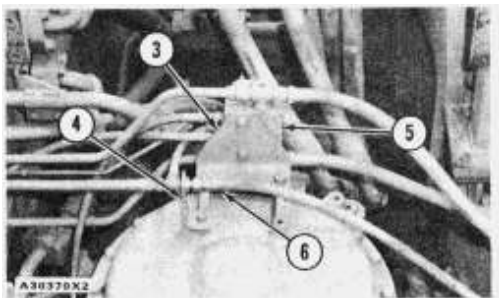


1. Put 2P2506 Anti-Seize Compound on the outside of pinion gear cage and bore (1) in the frame.
2. Use three 1/2" - 13 NC forged eyebolts to fasten a hoist and put the swing drive into position in the frame.

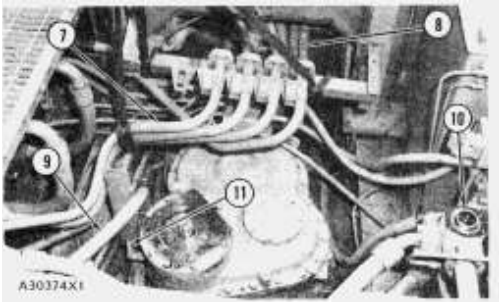
NOTE: Turn the brake drum on the swing drive to get pinion and swing gear in alignment.



3. Install the fourteen bolts (2) that hold the swing drive to the frame. Tighten the fourteen bolts to a torque of 880 ± 80 lb.ft. (1190 ± 110 N·m) with tool (A).



4. Install the bolts that hold manifold (5) to bracket (3).
5. Put support (4) in position on the swing drive and install the bolt that holds it.
6. Connect oil line (6) as shown.
7. Connect swing brake control linkage (11).



8. Install oil tubes (7) and support as a unit. Connect oil lines (8) to oil tubes (7).

9. Connect oil line (9) to the manifold on the oil filters.

10. Install the oil line from the manifold on the oil filters to the flow control valve (10) for the oil cooler.

11. Fill the hydraulic tank with oil to the correct level after the swing motor is installed.

end by:

a) install swing motor

Disassemble Swing Drive

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