



Service Repair Manual

Model

245B EXCAVATOR

Product: EXCAVATOR

Model: 245B EXCAVATOR 1SJ

Configuration: 245B EXCAVATOR 1SJ00001-00712 (MACHINE) POWERED BY 3406 ENGINE

Disassembly and Assembly 245B EXCAVATOR VEHICLE SYSTEMS

Media Number -SEN3898-01

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SEN38980033

Pump Drive

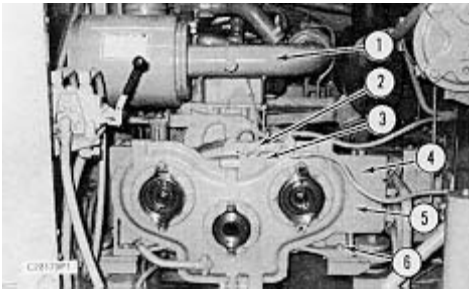
SMCS - 3108-016; 3108-010; 3108-015

Remove And Install Pump Drive

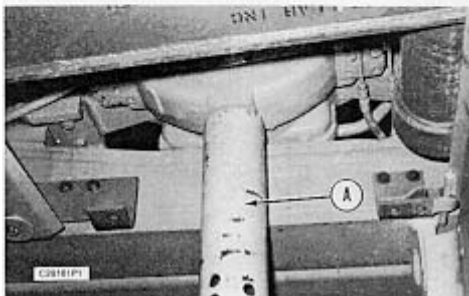
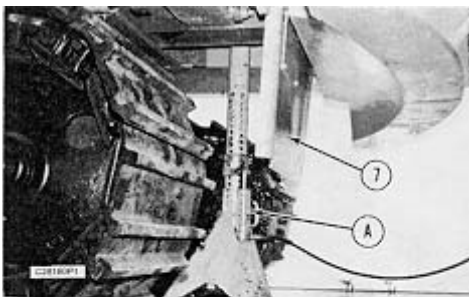
Tools Needed		A	B
8S7630	Stand	1	
8S7631	Tube	1	
8S7625	Collar	1	
8S7615	Pin	1	
8S7650	Cylinder	1	
6V9061	Hand Pump Group (or electric)	1	
6V2156	Link Bracket		1

Start By:

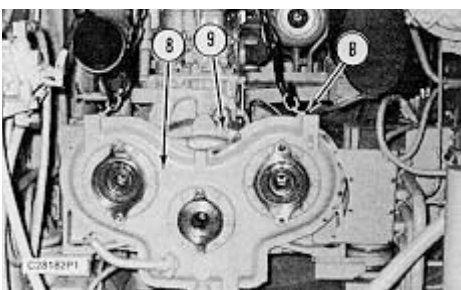
- a. remove piston pump (front)
- b. remove piston pump (rear)
- c. remove swing pump



1. Fasten to a hoist and remove the air cleaner and inlet tube (1) for the turbocharger as a unit. Weight of the air cleaner and tube is 41 kg (90 lb).
2. Remove two bolts (3) that hold the bracket and manifold (2) to the pump drive housing. Move manifold (2) aside.
3. Remove four bolts (5). Move hose support bracket (4) aside.
4. Remove four mounting bolts (6).



5. Remove the six bolts and swing down rear guard assembly (7).
6. Position tooling (A) as shown and lift the rear of the engine until there is approximately 1.6 mm (.062 in) clearance between the pump drive and the rear engine support frame.



7. Fasten tooling (B) and a hoist to pump drive (8). Remove twelve bolts (9) holding pump drive (8) to the flywheel housing. Remove the pump drive. Weight of the pump drive is 240 kg (530 lb).

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

8. Fasten tooling (B) and a hoist to pump drive (8). Position the pump drive on the flywheel housing.

NOTE: Turn the engine to get the flywheel and the pump drive in alignment.

NOTICE

Make sure the pump drive ring is correctly installed on the flywheel with the flat side to the flywheel.

9. Install twelve bolts (9).

10. Lower pump drive (8) on to the rear engine supports. Install four bolts (6) to a torque of $550 \pm 56 \text{ N}\cdot\text{m}$ ($410 \pm 42 \text{ lb ft}$).

11. Position hose support assembly (4) and install four bolts.

12. Position manifold (2) and install two bolts (3).

13. Install the air cleaner and inlet tube (1).

14. Raise rear guard assembly (7) in position and secure with the six bolts.

15. Fill the pump drive with oil to the correct level. See the Operation And Maintenance Manual.

Start By:

a. install swing pump

b. install piston pump (rear)

c. install piston pump (front)

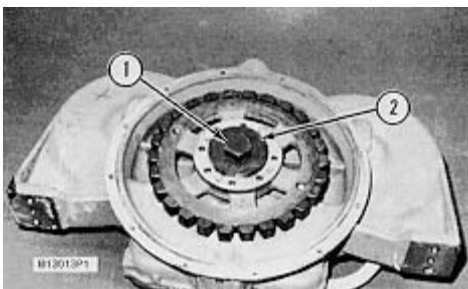
Disassemble Pump Drive

Tools Needed		A	B	C	D	E
8B7548	Puller Assembly	1	1	1	1	1
8H684	Ratchet Box Wrench	1	1	1	1	1
8B7550	Leg	2			2	
8B7556	Adapter	2				
5P2958	Step Plate	1			1	1
8B7554	Bearing Cup Puller Attachment		1	1		
5F7341	Adapter		2			
8B7549	Leg			2		
8S6586	Screw			1		
8H663	Bearing Puller Attachment				1	
8B7551	Bearing Puller Attachment					1

Start By:

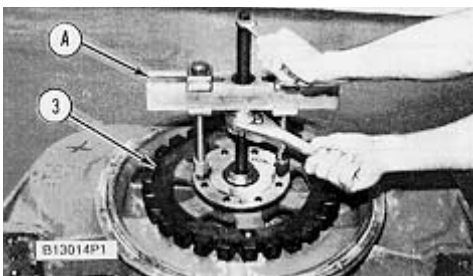
a. remove pump drive

1. Remove the plug from the cover and drain the oil from the pump drive.



Typical Example

2. Remove bolt (1) and retainer and spring (2).



3. Use tooling (A) and loosen spider (3) and the flange from the splines on the input gear. Remove spider (3) and flange from the input gear.

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