



Service Repair Manual

Models

225 EXCAVATOR

Product: EXCAVATOR
Model: 225 EXCAVATOR 51U
Configuration: 225 EXCAVATOR 51U00590-02033 (MACHINE)

Disassembly and Assembly 225 EXCAVATOR VEHICLE SYSTEMS

Media Number -SEN7907-00

Publication Date -01/02/1979

Date Updated -12/10/2001

Pump Drive

SMCS - 3108-16; 3108-11; 3108-12; 3108-15

Remove Pump Drive

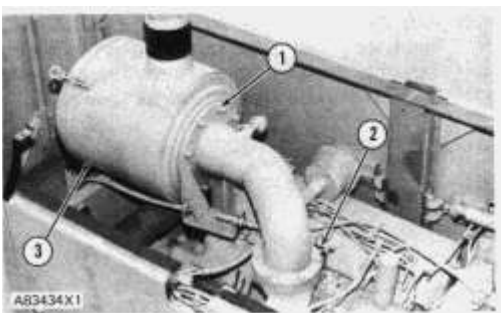
start by:

- a) remove muffler *
- b) remove axial piston pump (front)
- c) remove axial piston pump (rear)
- d) remove pilot system pump

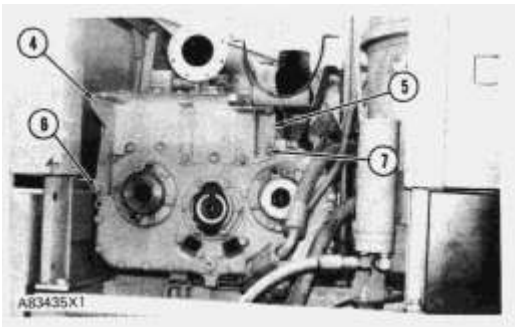
*Operation location is in ENGINE DISASSEMBLY AND ASSEMBLY section.

NOTE: If there has been no hydraulic system failure, see subject BLOCKER PLATES on Page 8.

1. Remove oil from the hydraulic tank and pump drive housing.

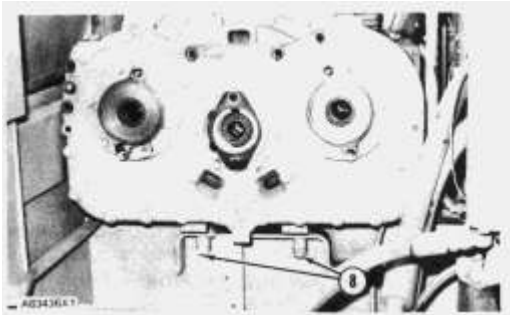


2. Disconnect governor control linkage (2) from the governor and bracket.
3. Remove the eight nuts (1) that hold air cleaner to the inlet pipe. Remove air cleaner (3).

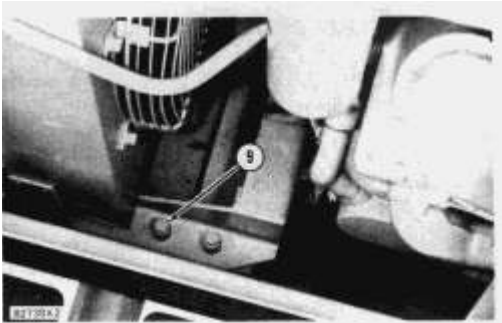


4. Remove bolts (7) and remove muffler bracket (5).

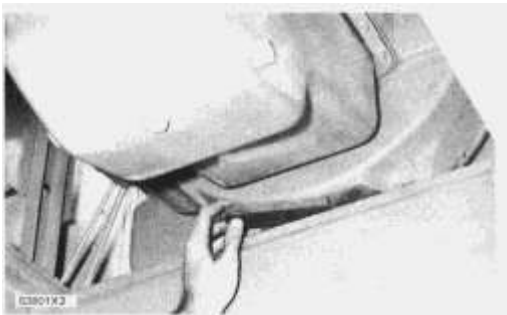
5. Remove bolts (6), then remove shield (4).



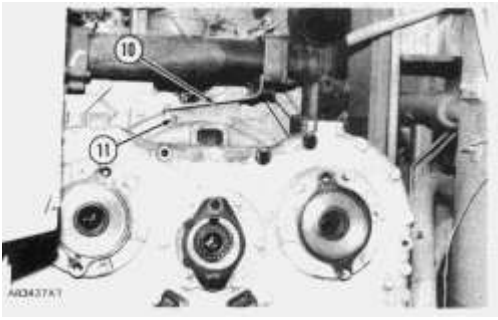
6. Remove the two bolts (8) that hold pump drive to frame.



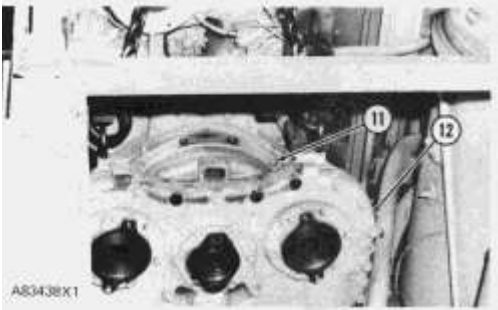
7. Loosen the four bolts (9) that hold the front engine support to the frame.



8. Lift the pump drive and install a .50 in. (12.7 mm) steel spacer between bottom of flywheel housing and top of frame. Lower the pump drive until flywheel housing is on the spacer.



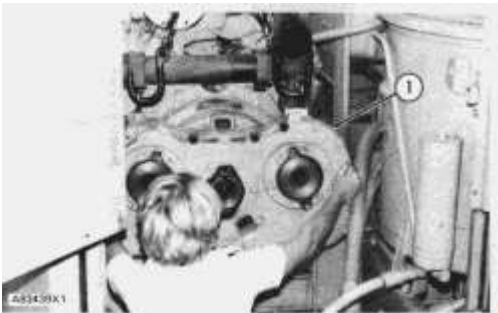
9. Remove bolts (11), then remove bracket (10) from crossover pipe.



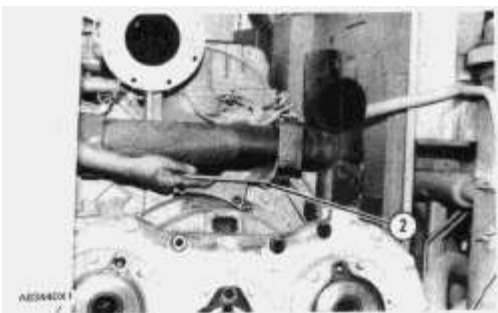
10. Install two 5/8" - 11 NC forged eyebolts in the pump drive housing, then fasten a hoist. Remove remainder of bolts (11). Remove pump drive (12). Weight of the pump drive is 430 lb. (194 kg).

Install Pump Drive

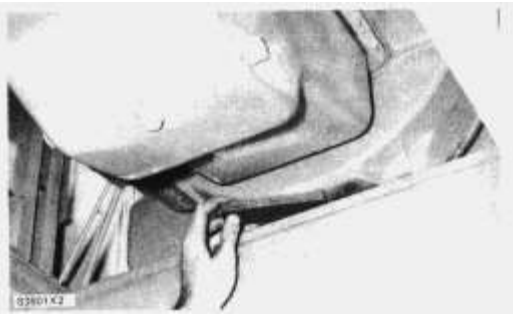
1. Install two 3/8"-16 NC guide pins in the flywheel housing.
2. Install two 5/8"-11 NC forged eyebolts in the pump drive housing, then fasten a hoist.



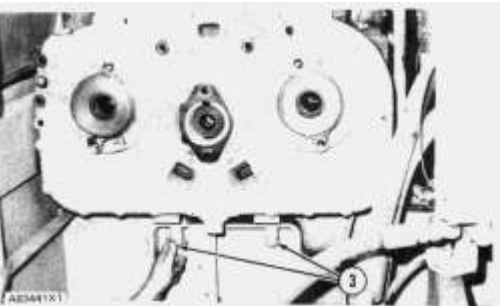
3. Put pump drive (1) in position on the flywheel housing and install the bolts that hold it.



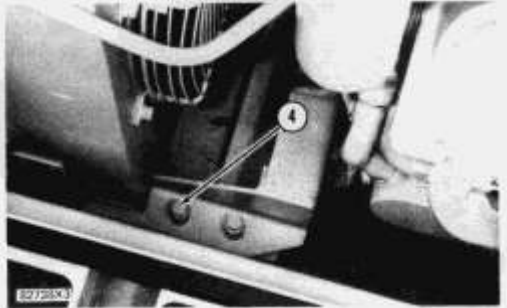
4. Install bracket (2) on crossover pipe with the bolts that hold it.



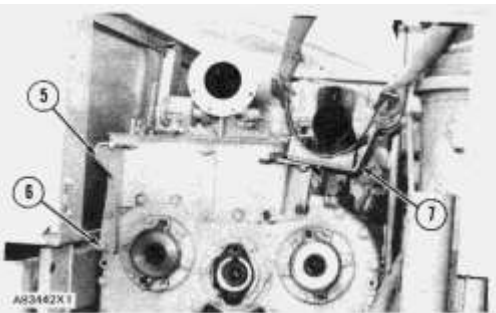
5. Lift the pump drive housing until the steel spacer between the frame and flywheel housing can be removed. Remove the spacer.



6. Install the two bolts (3) that hold pump drive to the frame. Tighten these bolts to a torque of 315 ± 50 lb.ft. (430 ± 70 N·m).



7. Install the four bolts (4) that hold engine supports to the frame. Tighten these bolts to a torque of 90 ± 15 lb.ft. (120 ± 20 N·m).



8. Install shield (5) with the bolts (6) that hold it. Tighten these bolts to a torque of 100 ± 10 lb.ft. (135 ± 14 N·m).

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