

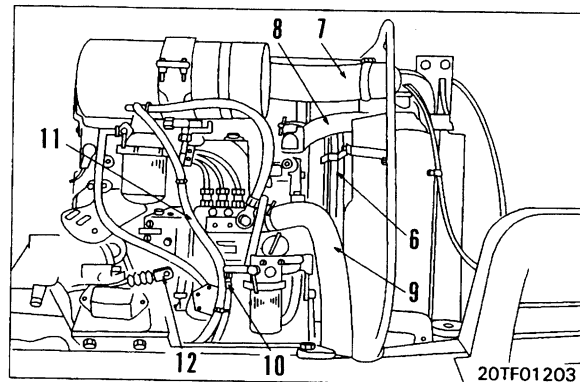
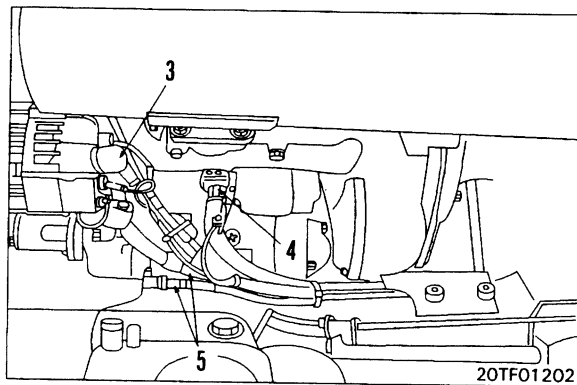
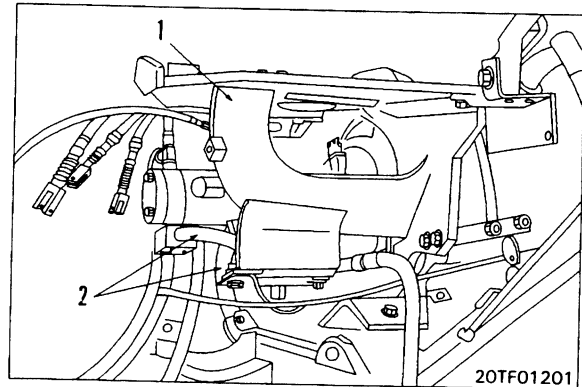
REMOVAL OF ENGINE, HYDRAULIC PUMP ASSEMBLY

⚠ Disconnect the cable from the negative (-) terminal of the battery.

⚠ Lower the work equipment to the ground and stop the engine. Then loosen the oil filler cap slowly to release the pressure inside the hydraulic tank.

★ After removing the piping, mark with tags to prevent mistakes when installing.

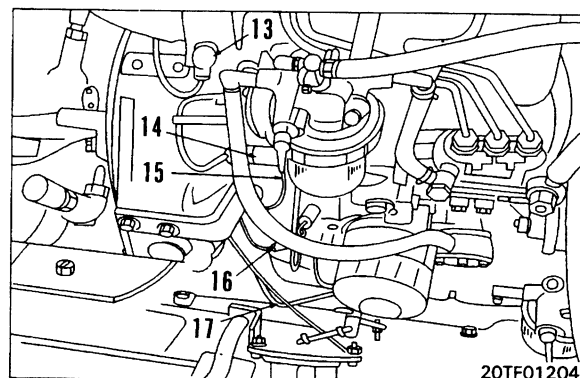
1. Drain water.
2. Remove 7-spool control valve assembly.
For details, see REMOVAL OF 7-SPOOL CONTROL VALVE ASSEMBLY.
3. Remove 2-spool control valve assembly.
For details, see REMOVAL OF 2-SPOOL CONTROL VALVE ASSEMBLY.
4. Remove control valve bracket (1).
5. Disconnect tubes (2).
★ For PC25 and PC40, disconnect 2 tubes at the gear pump end.
6. Disconnect wires (3).
★ Disconnect 4 alternator wires.
7. Disconnect wires (4).
★ Disconnect 3 starting motor wires.
8. Disconnect hoses (5).
9. Disconnect fan guard (6).
10. Remove hoses (7), (8), and (9).
11. Disconnect fuel hose (10) and (11).
12. Disconnect cable (12).



13. Disconnect wiring connectors (13), (14), (15), and (16).
14. Disconnect ground wiring (17).

*: No. 16 has been discontinued from the following Serial Numbers.

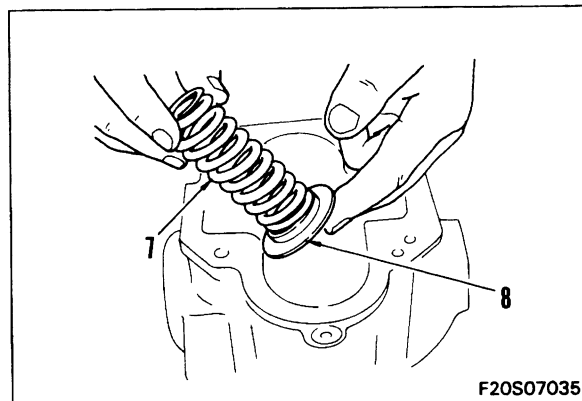
PC25-1 Serial No. 6471 and up
PC30-7 Serial No. 26423 and up
PC40-7 Serial No. 24522 and up
PC45-1 Serial No. 3506 and up



020S07

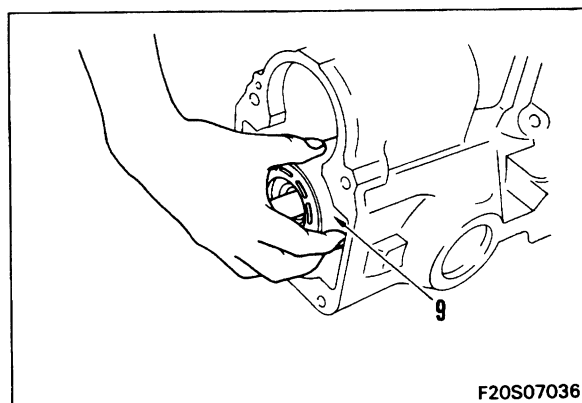
4. Spring

- 1) Set spring case facing side.
- 2) Remove outer spring, inner spring (7), and spring seat (8) from pump case.



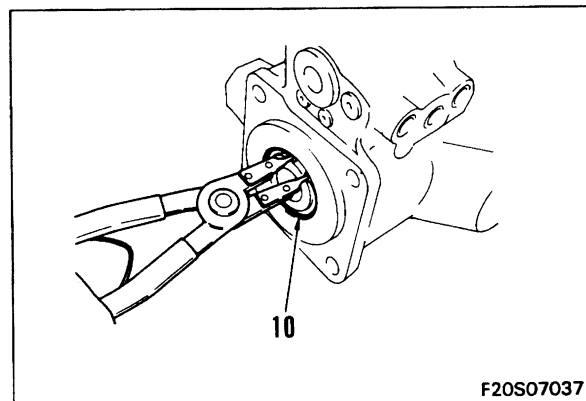
5. Cylinder block assembly (rear end)

Remove cylinder block assembly (9) from shaft.



6. Oil seal case

- 1) Remove snap ring (10).



- 2) Insert 2 flat-headed screwdrivers between pump case and oil seal case (11), and remove oil seal case.

- 3) Remove O-ring.

