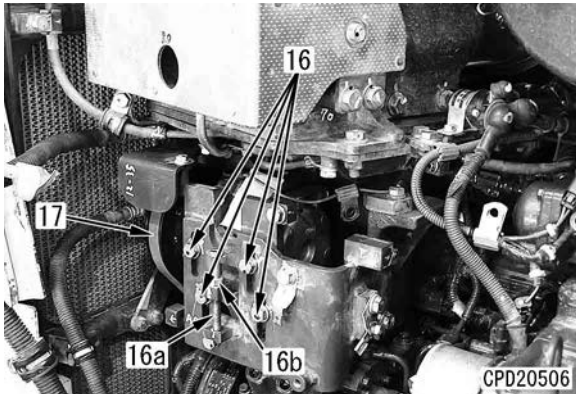


50 Disassembly and assembly

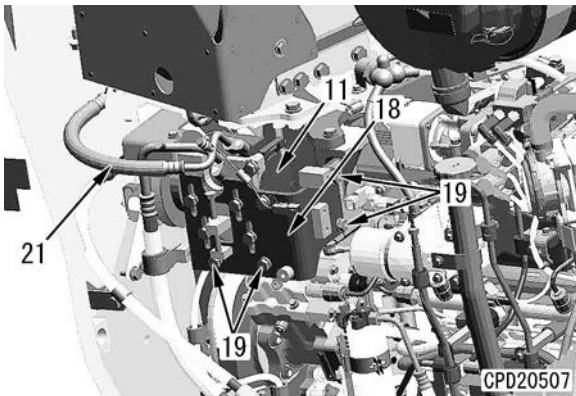
Engine and cooling system

- 3) Loosen four air conditioner compressor mounting bolts (16) and fixing nut (16b) of drive belt tension adjustment bolt (16a).
- 4) Loosen drive belt tension adjustment bolt (16a) and remove drive belt (17).



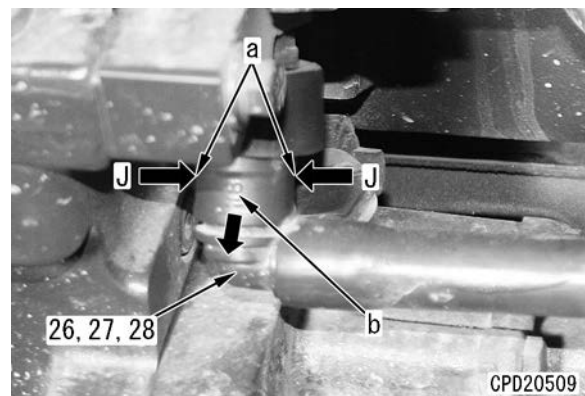
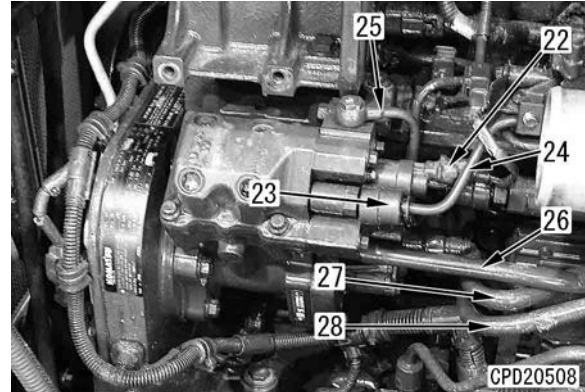
- 5) Remove four mounting bolts (19) of bracket (18). Then, remove air conditioner compressor assembly (11) and bracket (18) as a unit from the engine.

- ★ Secure the separated air conditioner compressor assembly to the machine using ropes.
- ★ Since hose (21) between the air conditioner compressor assembly and air conditioner condenser is short, take care not to damage it when fixing the air conditioner condenser assembly.



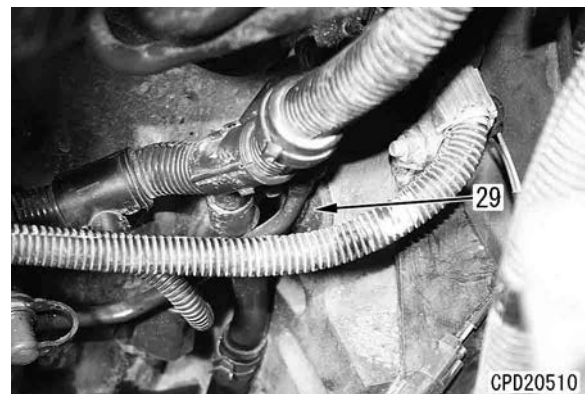
10. Disconnect wiring connector (22).
11. Remove fuel spray prevention cap (23) and disconnect high-pressure fuel pipe (24). [*3]
12. Disconnect overflow tube (25). [*4]
13. Disconnect fuel hoses (26), (27), and (28) according to the following procedure. [*5]
 - 1) While pressing the notches at part (a) of fuel hose (26) in direction (J) of the arrow, pull out part (b) in the direction of the arrow to disconnect.
 - 2) Remove fuel hoses (27) and (28) in the same manner.

- ★ Since the connector is fitted with the rubber cap, press the notches from above that cap.
- ★ Turn the notches to a position where they can be pressed easily.



14. Remove cap (29) from the flywheel housing, and install the engine cranking tool **A1** (see the special tools table).

- ★ See Testing and adjusting, "Adjusting valve clearance".



15. Loosen cap (30) to remove.

- ★ Remove cap (30) using a filter wrench or the like.
16. Using tool **A1**, rotate the crankshaft clockwise (counterclockwise when viewed from the flywheel side) to match the marking (M) on driver gear (GY) to the marking "TDC". (See the special tools table.)

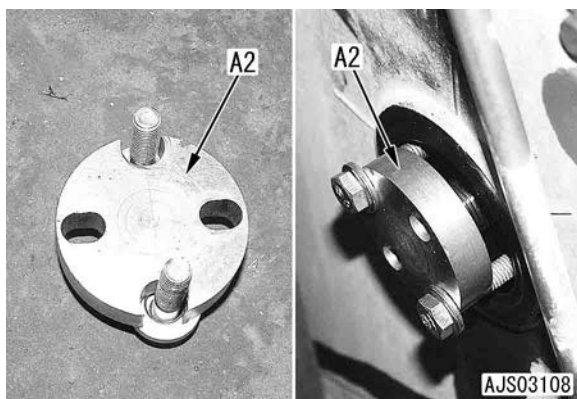
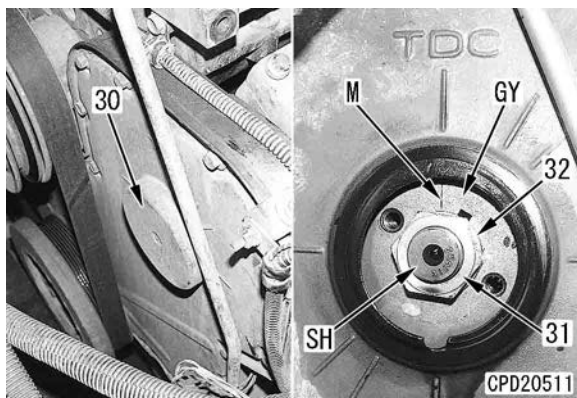
- ★ Use a mirror or the like to check the marking and others.

- ★ See Testing and adjusting, "Adjusting valve clearance".

17. Remove mounting nut (31) and washer (32) from shaft (SH) of the supply pump.

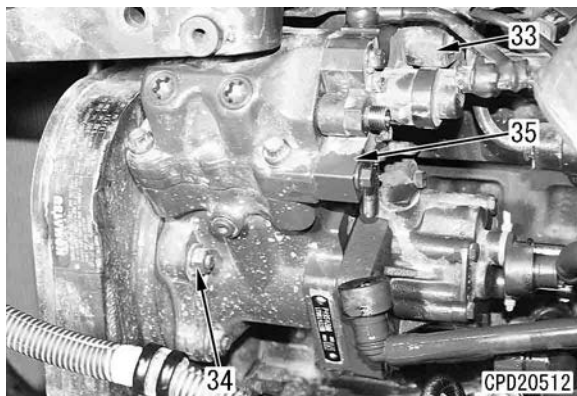
- ★ Take care not to drop mounting nut (31) and washer (32) into the case when removing them.

18. Tighten tool **A2** evenly to disconnect shaft (SH) of the fuel supply pump from drive gear (GY).



19. Remove bracket (33).

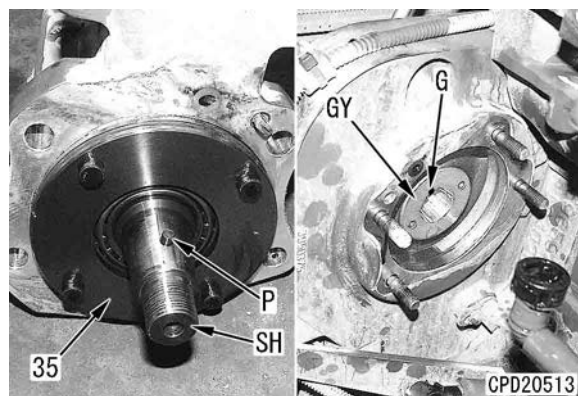
20. Remove four mounting nuts (34) to remove fuel supply pump assembly (35).



Installation (D65-AD70-720-K-00-A)

- Install supply pump assembly (35) according to the following procedure.

1. When installing, match convex part (P) of shaft (SH) of supply pump assembly (35) to groove (G) of gear (GY).



2. Install bracket (33) to supply pump assembly (35).

 **Mounting bolts (33a):**
 $43 \pm 6 \text{ Nm } \{4.4 \pm 0.6 \text{ kgm}\}$

 **Mounting bolt (33b):**
 $77 \pm 12 \text{ Nm } \{7.9 \pm 1.2 \text{ kgm}\}$

3. Install four mounting nuts (34).

 **Mounting nut (34):**
 $43 \pm 6 \text{ Nm } \{4.4 \pm 0.6 \text{ kgm}\}$

4. Fit washer (32) and tighten mounting nut (31).

- ★ Take care not to drop mounting nut (31) and washer (32) into the case when installing them.

 **Mounting nut (31):**
 $180 \pm 13 \text{ Nm } \{18.4 \pm 1.3 \text{ kgm}\}$

