

## Removal and installation of fuel injector assembly


### Removal

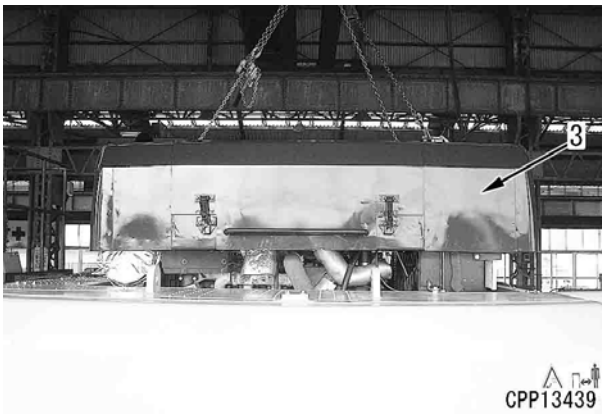
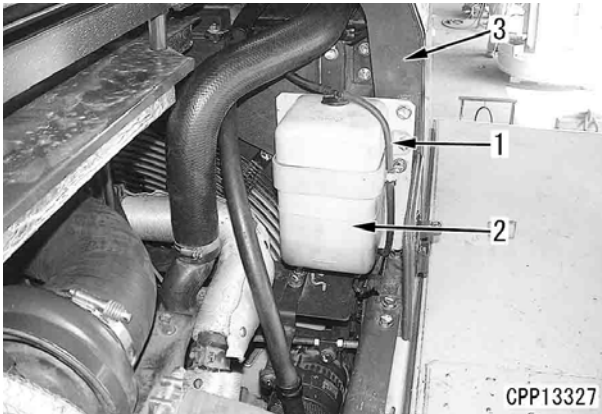
- ⚠ Disconnect the negative (-) terminal from battery.

1. Drain coolant.

 Coolant: **36 ℓ**

2. Close the fuel stopper valve on the fuel tank.
3. Remove connector (P24), overflow tube (1) and sub-tank (2).
4. Remove the mounting bolt and then hoist the engine hood assembly (3) to remove.

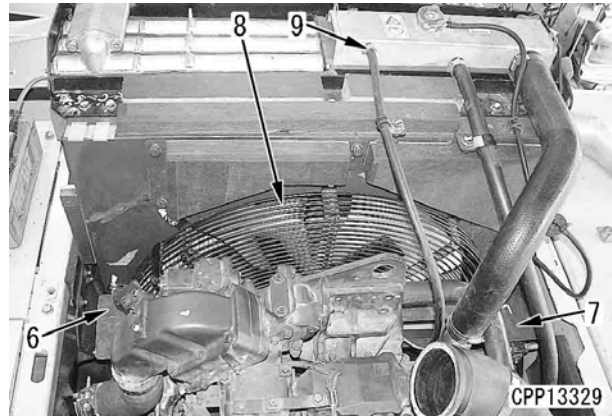
 Engine hood: **200 kg**



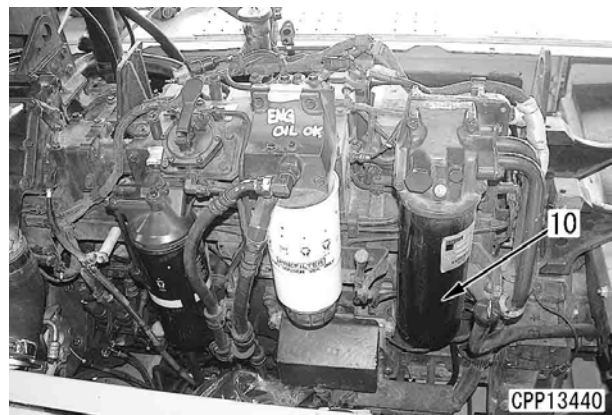
5. Remove clamp (4) and remove air intake tube (5). [\*1]



6. Remove the clamp and disconnect hose (9) between the radiator and the engine at the radiator side. [\*2]
7. Remove covers (6), (7), and fan guard (8).



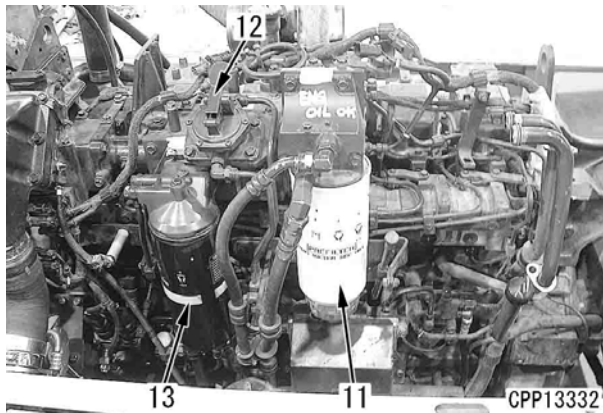
8. Remove oil filter (10). (Leave the tube unre-removed)



9. Remove fuel pre-filter (11).
  - ★ After disconnecting the hose, put it at the left side of the engine.
10. Remove priming pump (12).
  - ★ After disconnecting the hoses, let each hose put on the left-hand side of the engine.

11. Remove fuel main filter (13).

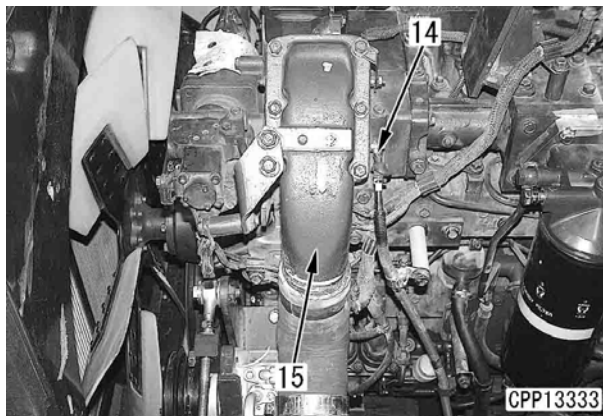
- ★ Remove the tube clamp and allow the tube to hang on the left-hand side of the engine. [\*3]



12. Disconnect the terminal of intake air heater harness (14).

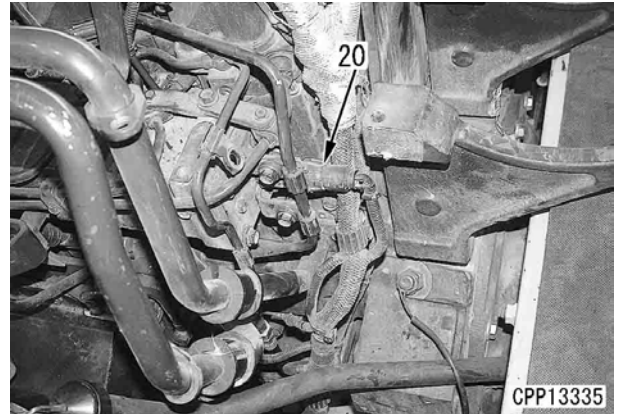
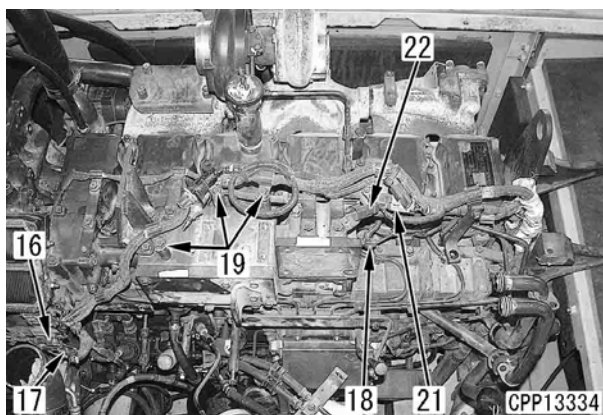
- ★ Disconnect the clamp.

13. Remove the air intake connector (15).

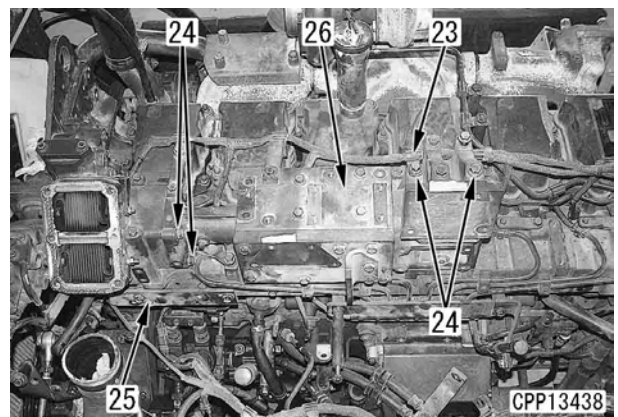


14. Disconnect the connector EGR (16), SEGR (17), TIM boost temperature (18), wiring clamp (19), PIM boost pressure sensor (20), PAMB atmospheric pressure sensor (21) and connector (22).

- ★ Remove harness clamps.
- ★ Place removed parts together under the engine. [\*4]



15. Remove clamp (23), bolts (24) and bracket (25) to remove the housing complex (diffuser) (26).



16. Disconnect injector harness connectors (27) (at 6 places), remove the clamp and shift the harness to the lower left-hand side of the engine. [\*5]

- ★ For how to remove the connector, see the "Removal and installation of cylinder head assembly".

17. Remove clamps (28) and boots (29). [\*6]

18. Remove the clamp and 6 high-pressure injection tubes (30). [\*7]

