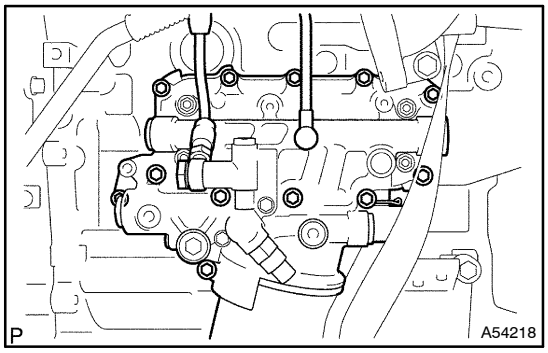
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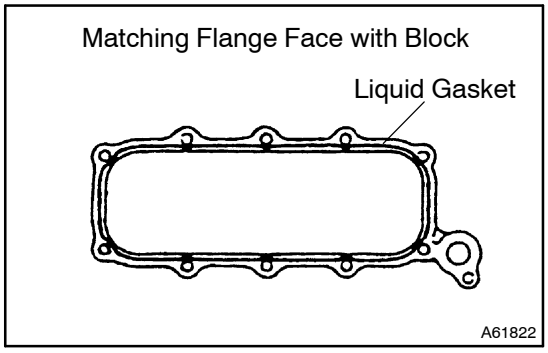
REPLACEMENT

1. DISCONNECT BATTERY NEGATIVE TERMINAL
2. DRAIN ENGINE COOLANT
3. DRAIN ENGINE OIL
4. REMOVE EXHAUST PIPE ASSY FRONT
5. REMOVE VENTILATION PIPE



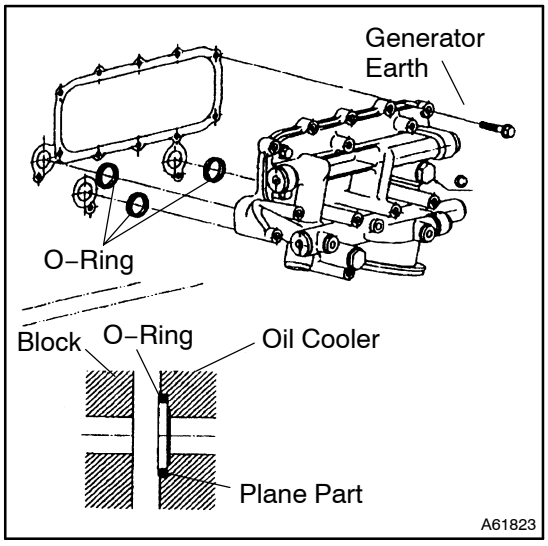
6. REMOVE OIL W/BRACKET COOLER ASSY
(a) Disconnect the oil pressure switch connector.
(b) Remove the union bolt and gasket, and disconnect pipe and hoses.
(c) Remove the 13 bolts, oil w/bracket cooler assy and O–ring.

7. REMOVE OIL PRESSURE SWITCH
8. REMOVE OIL COOLER ASSY
(a) Remove the nut, and remove the oil cooler element from the oil cooler element cover.
(b) Remove the plug and remove each vale and spring from the oil cooler element cover.
9. REMOVE DRAIN PLUG
10. INSTALL DRAIN PLUG
Torque:
29.5 N·m (300 kgf·cm, 21.5 ft·lbf) (1st)
19.6 N·m (200 kgf·cm, 14.5 ft·lbf) (2nd)
11. INSTALL OIL COOLER ASSY
(a) Tighten the nut and install the oil cooler element onto the oil cooler element cover.
Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)
(b) Install each valve and spring onto the oil cooler element cover and tighten the plug.
Torque: 29.5 N·m (300 kgf·cm, 21 ft·lbf)
12. INSTALL VENTILATION PIPE
HINT:
Apply liquid gasket to the part of the flywheel housing where the pipe is inserted.
13. INSTALL OIL PRESSURE SWITCH
(a) Apply adhesive to 2 or 3 threads of the oil pressure switch.
Adhesive:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent
(b) Install the oil pressure switch.
Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)



14. INSTALL OIL W/BRACKET COOLER ASSY

(a) Clean the cylinder block mounting surface of the oil cooler.



(b) Insert the O–ring into the O–ring groove of the oil cooler.

HINT:

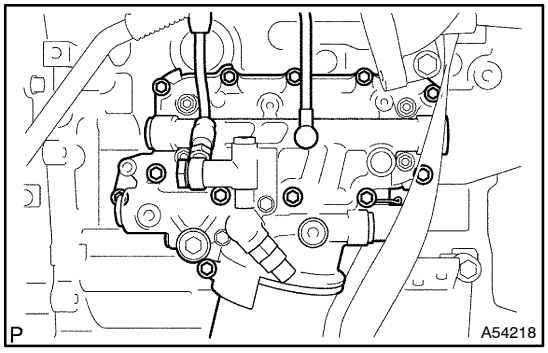
Face the flat area of the O–ring toward the oil cooler for installation.

(c) Apply seal packing to the oil cooler housing and install it onto the cylinder block within 20 minutes.

Seal packing: Part No. 08826–00080 or equivalent
Coating width: 1.5 – 2.5 mm (0.059 – 0.098 in.)

HINT:

- If more than 20 minutes have passed since the seal packing is applied, do not assemble the parts. After removing the seal packing completely, reapply it to assemble them.
- When installing the oil cooler, the earth wire of the generator must be tightened with the coolant pipe bracket for turbocharger.



(d) Install the new O–rings and oil w/bracket cooler assy with the 13 bolts.

Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)

(e) Connect the oil pressure switch connector.

(f) Install the 2 pipes together with the new gaskets and union bolt to the oil w/bracket cooler assembly.

15. EXHAUST PIPE ASSY FRONT
16. REPLACE ENGINE OIL
17. CHECK FOR ENGINE OIL LEAKS
18. REFILL ENGINE COOLANT
19. INSTALL BATTERY NEGATIVE TERMINAL
20. CHECK FOR ENGINE COOLANT LEAKS