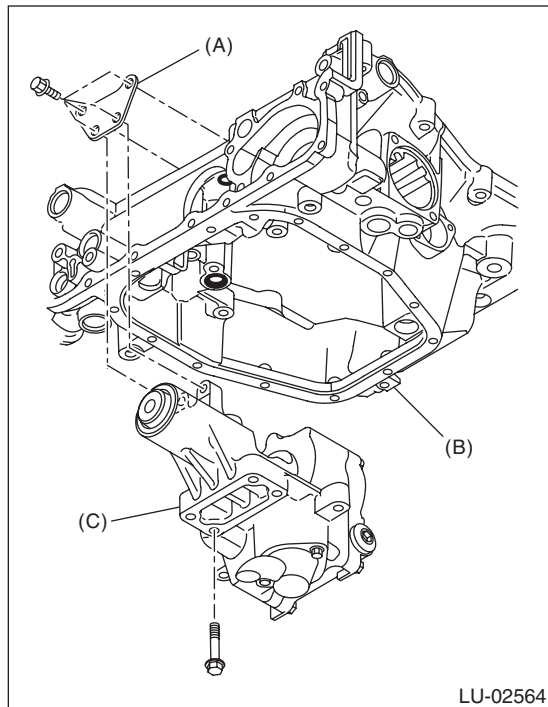


5. Oil Pump

A: REMOVAL

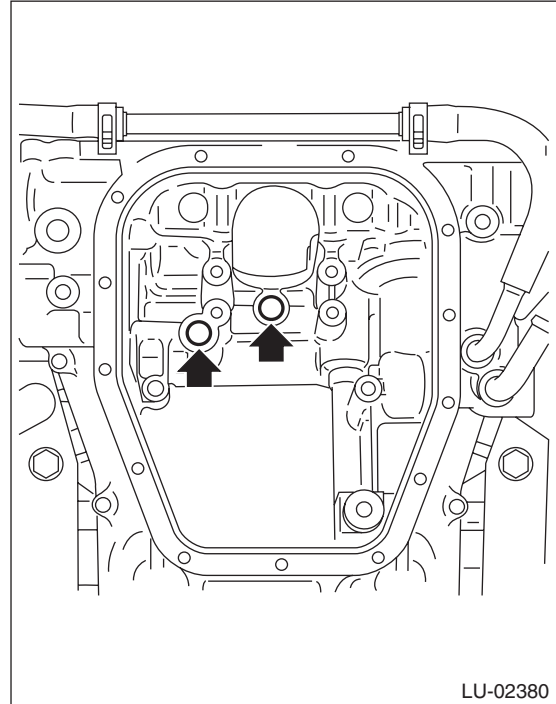
- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.
- 3) Lift up the vehicle.
- 4) Remove the under cover.
- 5) Drain engine coolant. <Ref. to CO(H6DO)-11, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Lower the vehicle.
- 7) Remove the radiator. <Ref. to CO(H6DO)-16, REMOVAL, Radiator.>
- 8) Remove the V-belts. <Ref. to ME(H6DO)-43, REMOVAL, V-belt.>
- 9) Remove the crank pulley. <Ref. to ME(H6DO)-44, REMOVAL, Crank Pulley.>
- 10) Remove the chain cover. <Ref. to ME(H6DO)-45, REMOVAL, Chain Cover.>
- 11) Remove the timing chain. <Ref. to ME(H6DO)-51, REMOVAL, Timing Chain Assembly.>
- 12) Remove the oil pan lower. <Ref. to LU(H6DO)-10, REMOVAL, Oil Pan.>
- 13) Remove the stiffener and the oil pump.



- (A) Stiffener
(B) Oil pan upper
(C) Oil pump

- 14) Remove the strainer from the oil pump.

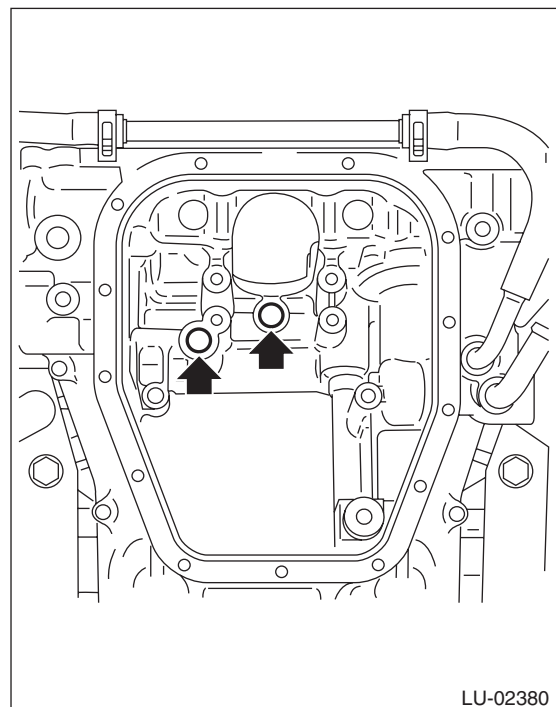
- 15) Remove the O-ring from oil pan upper.



B: INSTALLATION

- 1) Apply engine oil to the O-ring and attach it to the oil pan upper.

NOTE:
Use new O-rings.



- 2) Apply liquid gasket to the mating surfaces of strainer.

Oil Pump

LUBRICATION

Liquid gasket:

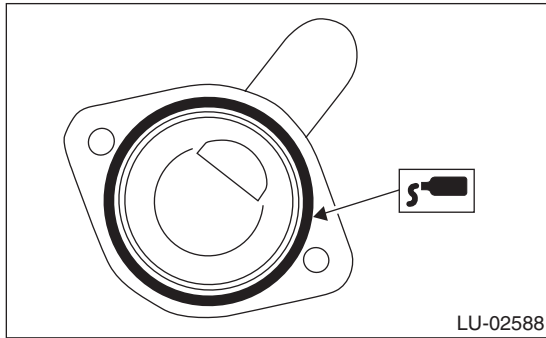
**THREE BOND 1217G (Part No. K0877Y0100)
or equivalent**

Liquid gasket applying diameter:

2.0 ± 1.0 mm (0.079 ± 0.039 in)

NOTE:

- Install within 5 min. after applying liquid gasket.
- After installing the strainer, remove any liquid gasket that is squeezed out.



- 3) Install the strainer to the oil pump.

Tightening torque:

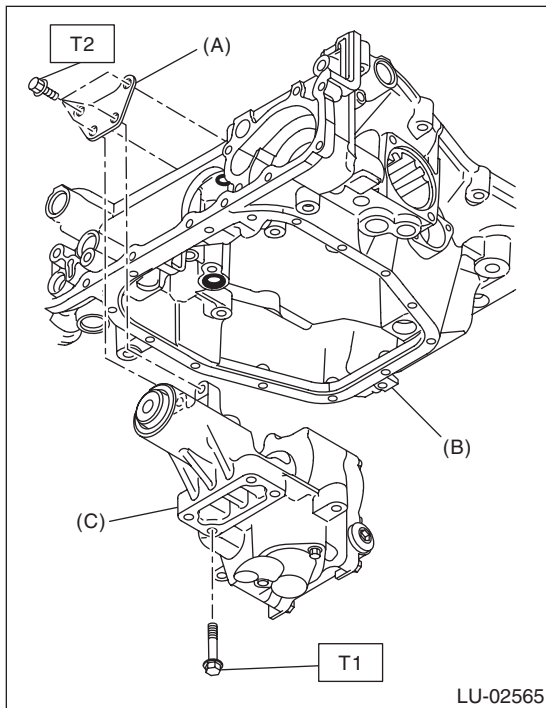
6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

- 4) Install the stiffener and the oil pump.

Tightening torque:

T1: 13 N·m (1.3 kgf-m, 9.6 ft-lb)

T2: 24 N·m (2.4 kgf-m, 17.7 ft-lb)



- (A) Stiffener
(B) Oil pan upper
(C) Oil pump

- 5) Install the oil pan lower. <Ref. to LU(H6DO)-10, INSTALLATION, Oil Pan.>

- 6) Install the timing chain. <Ref. to ME(H6DO)-57, INSTALLATION, Timing Chain Assembly.>

- 7) Install the chain cover. <Ref. to ME(H6DO)-46, INSTALLATION, Chain Cover.>

- 8) Install the crank pulley. <Ref. to ME(H6DO)-44, INSTALLATION, Crank Pulley.>

- 9) Install the V-belts. <Ref. to ME(H6DO)-43, INSTALLATION, V-belt.>

- 10) Install the radiator. <Ref. to CO(H6DO)-18, INSTALLATION, Radiator.>

- 11) Lift up the vehicle.

- 12) Install the under cover.

- 13) Lower the vehicle.

- 14) Fill the ATF. <Ref. to CO(H6DO)-11, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

C: INSPECTION

- 1) Visually check the oil pump for breakage.

- 2) Visually check the strainer portion for clogging.