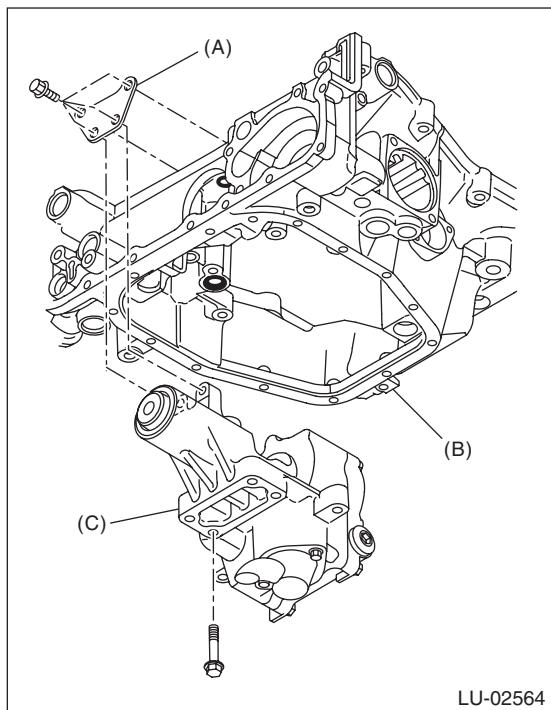


### 5. Oil Pump

#### A: REMOVAL

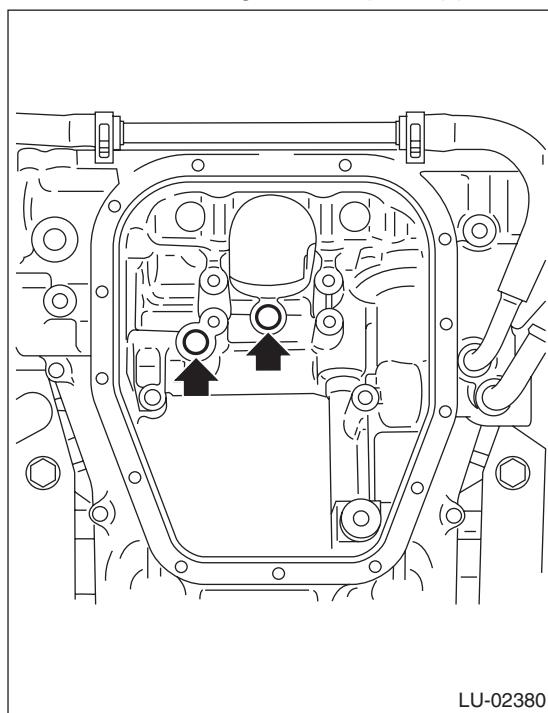
- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.
- 3) Lift up the vehicle.
- 4) Remove the under cover.
- 5) Drain engine coolant. <Ref. to CO(H6DO)-11, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Lower the vehicle.
- 7) Remove the radiator. <Ref. to 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.

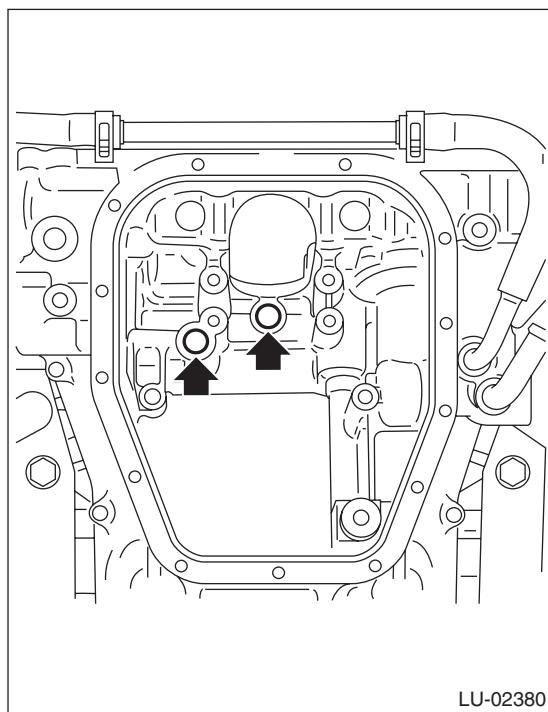


#### B: INSTALLATION

- 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:

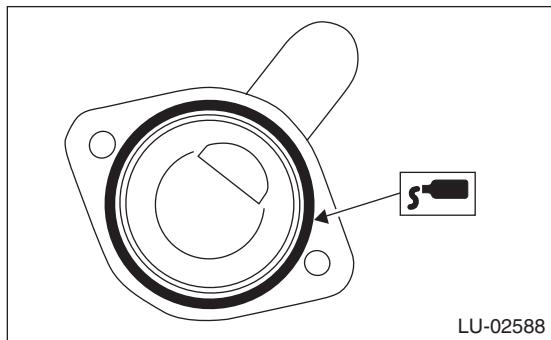
**THREE BOND 1217G (Part No. K0877Y0100)  
or equivalent**

### Liquid gasket applying diameter:

**$2.0 \pm 1.0 \text{ mm (0.079} \pm 0.039 \text{ in)}$**

#### 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:

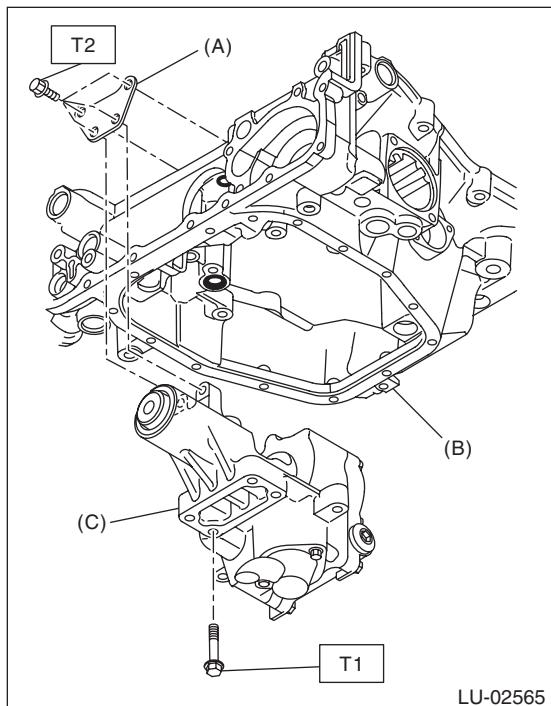
**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

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.