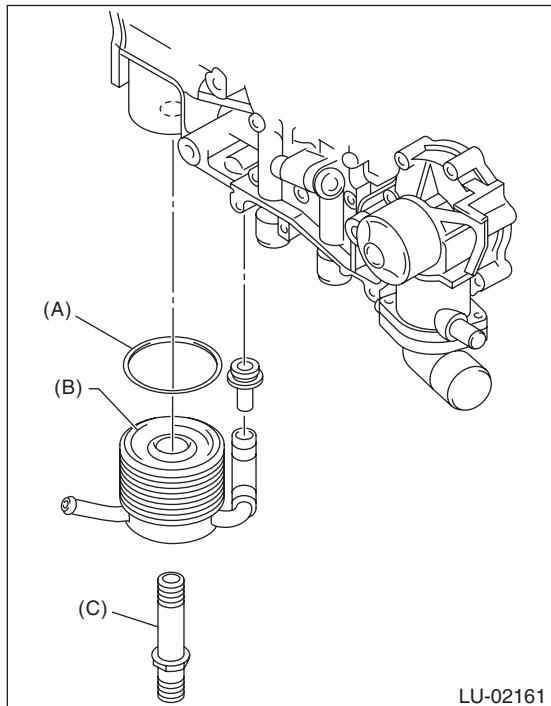


## 8. Engine Oil Cooler

### A: REMOVAL

#### 1. NON-TURBO AT MODEL

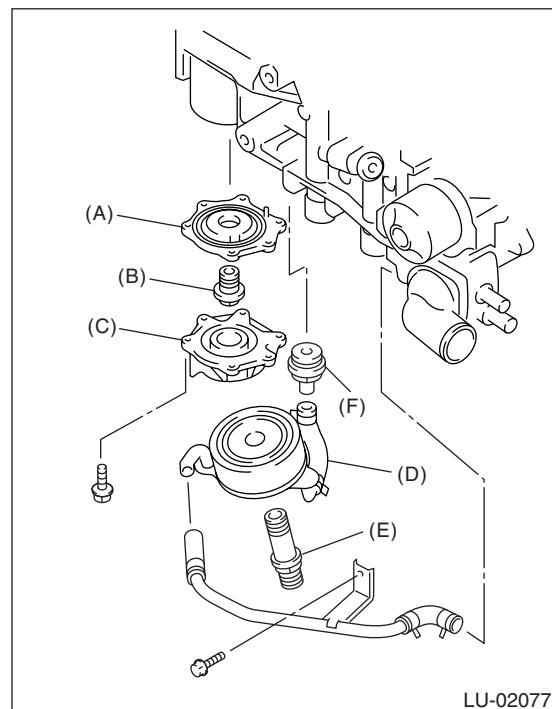
- 1) Lift-up the vehicle.
- 2) Remove the under cover.
- 3) Drain the engine oil. <Ref. to LU(H4SO)-10, REPLACEMENT, Engine Oil.>
- 4) Drain engine coolant.
- 5) Remove the water by-pass pipe between oil cooler and water pump.
- 6) Remove the engine oil filter.  
<Ref. to LU(H4SO)-28, REMOVAL, Engine Oil Filter.>
- 7) Remove the connector and remove the oil cooler.



(A) O-ring  
(B) Oil cooler  
(C) Connector

#### 2. TURBO MODEL

- 1) Lift-up the vehicle.
- 2) Remove the under cover.
- 3) Drain the engine oil.
- 4) <Ref. to LU(H4SO)-10, REPLACEMENT, Engine Oil.>
- 5) Drain engine coolant.
- 6) Remove the water by-pass pipe between oil cooler and water pump.
- 7) Remove the engine oil filter.  
<Ref. to LU(H4SO)-28, REMOVAL, Engine Oil Filter.>
- 8) Remove the connector and remove the oil cooler.



(A) Adapter (1)  
(B) Adapter connector  
(C) Adapter (2)  
(D) Oil cooler  
(E) Oil cooler connector  
(F) Plug

# Engine Oil Cooler

## LUBRICATION

### B: INSTALLATION

#### 1. NON-TURBO AT MODEL

1) Install in the reverse order of removal.

NOTE:

Use new O-rings.

2) Apply a thin coat of engine oil to the O-ring, then install.

3) Apply liquid gasket to the plug screw, then install the plug.

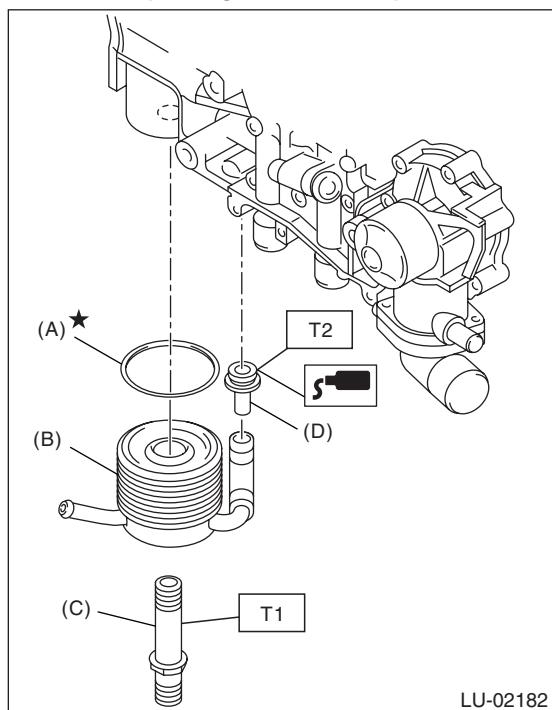
**Liquid gasket:**

*Three bond 1324 (Part No.004403042) or equivalent*

**Tightening torque:**

**T1: 54 N·m (5.5 kgf-m, 40 ft-lb)**

**T2: 69 N·m (7.0 kgf-m, 51 ft-lb)**



- (A) O-ring
- (B) Oil cooler
- (C) Connector
- (D) Plug

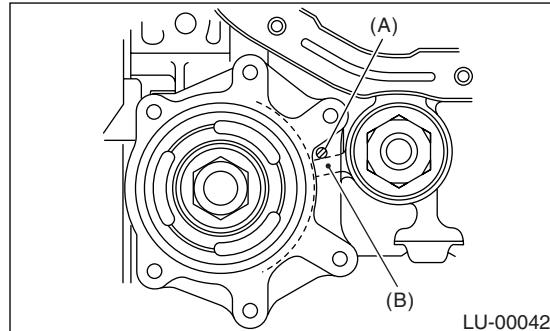
#### 2. TURBO MODEL

1) Install in the reverse order of removal.

NOTE:

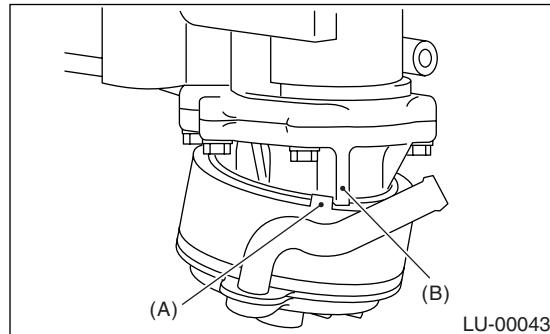
Use new O-rings and gasket.

2) Touch the adapter (1) knock pin (A) to the cylinder block rib (B) to install the adapter (1).



3) Install the adapter (2).

4) Touch the engine oil cooler stopper (A) to the adapter (2) rib (B) to install the engine oil cooler.



- 5) When installing the plug, apply liquid gasket to the plug screw.

**Liquid gasket:**

**Three bond 1324 (Part No.004403042) or equivalent**

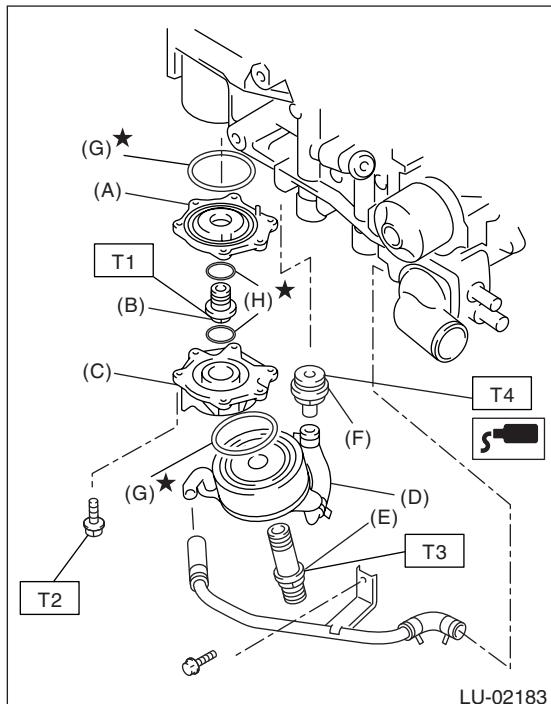
**Tightening torque:**

**T1: 45 N·m (4.6 kgf-m, 33.2 ft-lb)**

**T2: 6.4 N·m (0.65 kgf-m, 4.7 ft-lb)**

**T3: 54 N·m (5.5 kgf-m, 40 ft-lb)**

**T4: 69 N·m (7.0 kgf-m, 51 ft-lb)**



- (A) Adapter (1)
- (B) Adapter connector
- (C) Adapter (2)
- (D) Oil cooler
- (E) Oil cooler connector
- (F) Plug
- (G) Gasket
- (H) O-ring

## C: INSPECTION

- 1) Check that coolant passages are not clogged using an air blower.
- 2) Check the mating surfaces of cylinder block, O-ring groove and oil filter for damage.