

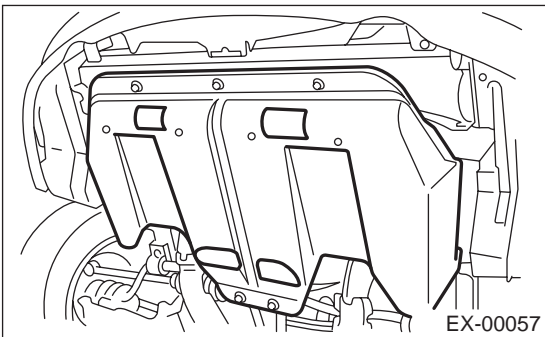
## OIL COOLER

### LUBRICATION

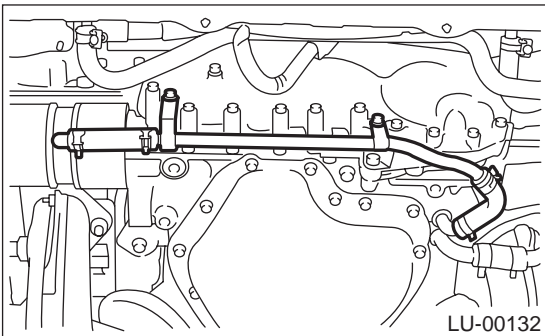
## 9. Oil Cooler

### A: REMOVAL

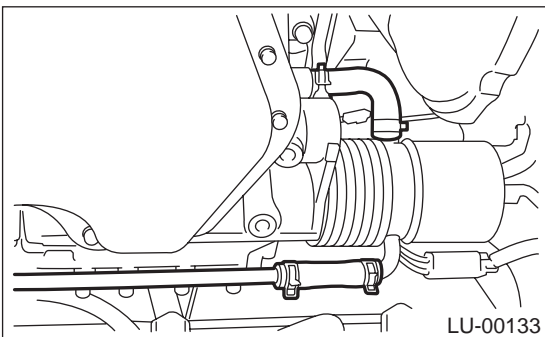
- 1) Lift-up the vehicle.
- 2) Remove under cover.



- 3) Drain engine coolant completely. <Ref. to CO(H6DO)-22, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 4) Drain engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>
- 5) Remove bolts which installs water pipe to engine.



- 6) Disconnect water hoses from oil cooler.

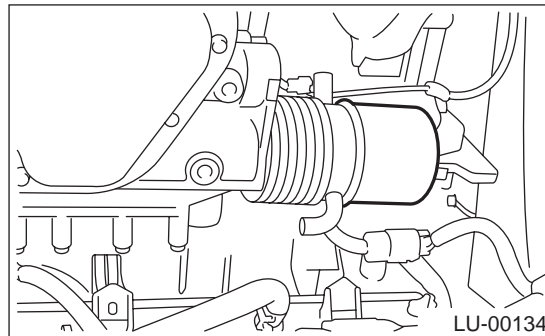


- 7) Remove oil filter using ST. <Ref. to LU(H6DO)-17, REMOVAL, Engine Oil Filter.>

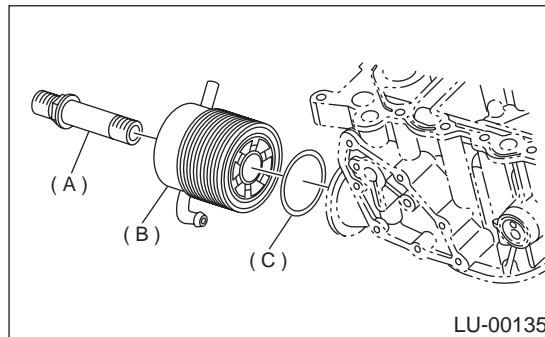
ST 498547000 OIL FILTER WRENCH

### NOTE:

Set container under the vehicle.



- 8) Remove connector and remove oil cooler.



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

### B: INSPECTION

- 1) Check that coolant passages are not clogged using air blow method.
- 2) Check upper oil pan and the installation surface of oil filter O-ring for damage.

## OIL COOLER

LUBRICATION

### C: INSTALLATION

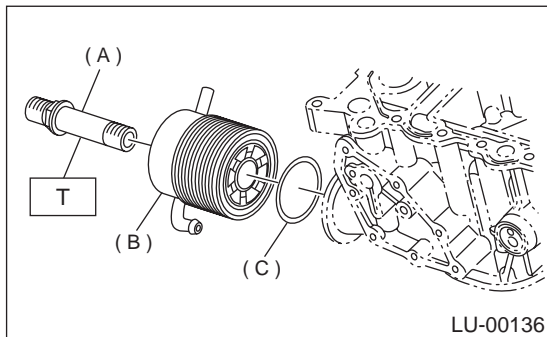
1) Install oil cooler on upper oil pan with connector pipe.

**Tightening torque:**

**T: 54 N·m (5.5 kgf·m, 39.8 ft·lb)**

**NOTE:**

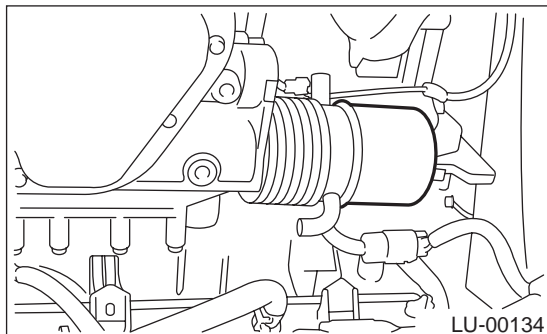
Always use a new O-ring.



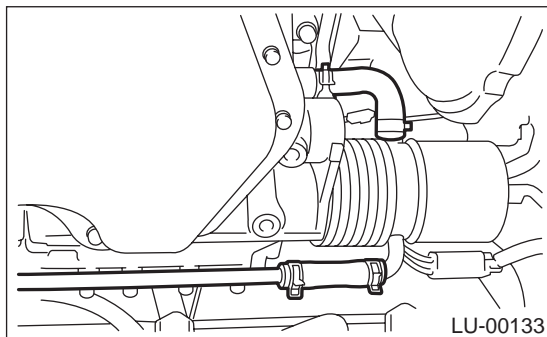
- (A) Connector
- (B) Oil cooler
- (C) O-ring

2) Install oil filter using ST. <Ref. to LU(H6DO)-17, INSTALLATION, Engine Oil Filter.>

ST 498547000 OIL FILTER WRENCH



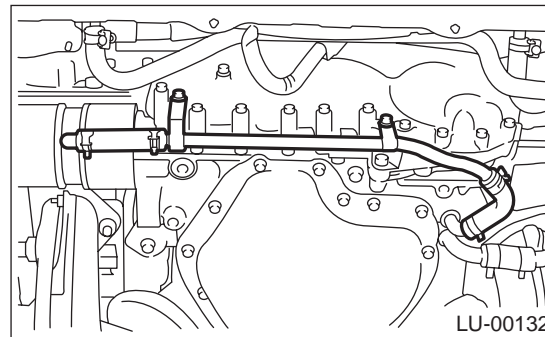
3) Install water hose.



4) Install water pipe to engine.

**Tightening torque:**

**6.4 N·m (0.65 kgf·m, 4.7 ft·lb)**



5) Fill engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>

6) Fill engine coolant. <Ref. to CO(H6DO)-22, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

7) Check the engine oil level. <Ref. to LU(H6DO)-9, INSPECTION, Engine Oil.>