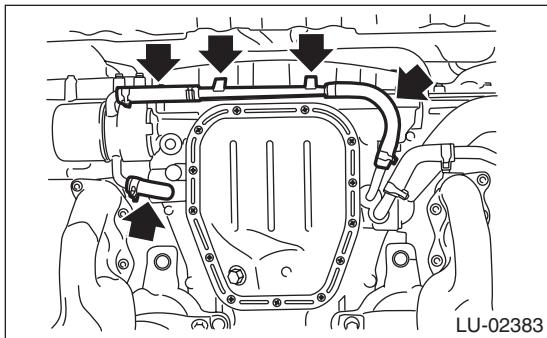


9. Oil Cooler

A: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Lift up the vehicle.
- 3) Remove the under cover.
- 4) Drain engine coolant. *<Ref. to CO(H6DO)-11, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>*
- 5) Drain the engine oil. *<Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>*
- 6) Disconnect the water hose from the oil cooler and bolts which secure the engine oil cooler water pipe to the chain cover.



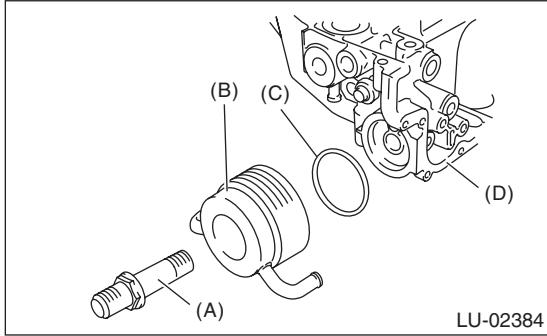
- 7) Remove the oil filter using the ST. *<Ref. to LU(H6DO)-15, REMOVAL, Engine Oil Filter.>*

ST 18332AA020 OIL FILTER WRENCH

NOTE:

Set a container under the vehicle.

- 8) Remove the oil cooler connector and remove oil cooler.



- (A) Oil cooler connector
- (B) Oil cooler
- (C) O-ring
- (D) Oil pan upper

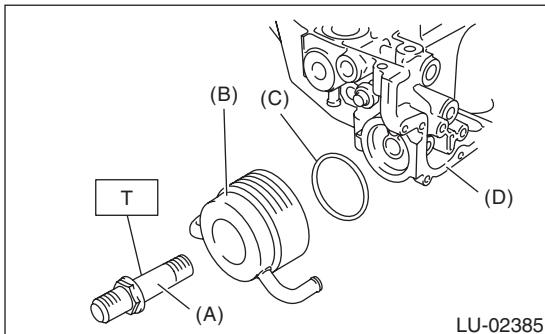
B: INSTALLATION

- 1) Tighten the oil cooler connector and install the oil cooler to oil pan upper.

Tightening torque:

T: 54 N·m (5.5 kgf·m, 39.8 ft-lb)

NOTE:
Use new O-rings.

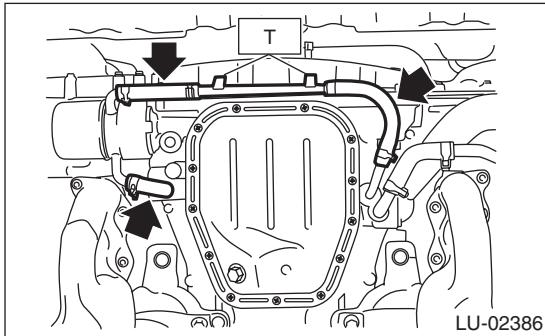


- (A) Oil cooler connector
- (B) Oil cooler
- (C) O-ring
- (D) Oil pan upper

- 2) Install the oil filter. *<Ref. to LU(H6DO)-15, INSTALLATION, Engine Oil Filter.>*
- 3) Install the water hose to the oil cooler and bolts which secure the engine oil cooler water pipe to the chain cover.

Tightening torque:

6.4 N·m (0.65 kgf·m, 4.7 ft-lb)



- 4) Lower the vehicle.
- 5) Refill the engine oil. *<Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>*
- 6) Fill engine coolant. *<Ref. to CO(H6DO)-11, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>*
- 7) Check the engine oil level. *<Ref. to LU(H6DO)-9, INSPECTION, Engine Oil.>*

C: INSPECTION

- 1) Check that coolant passages are not clogged using an compressed air.
- 2) Check that the oil pan upper and O-ring installing surface of oil filter are not damaged.