

## 7. Engine Oil Cooler

### A: REMOVAL

#### CAUTION:

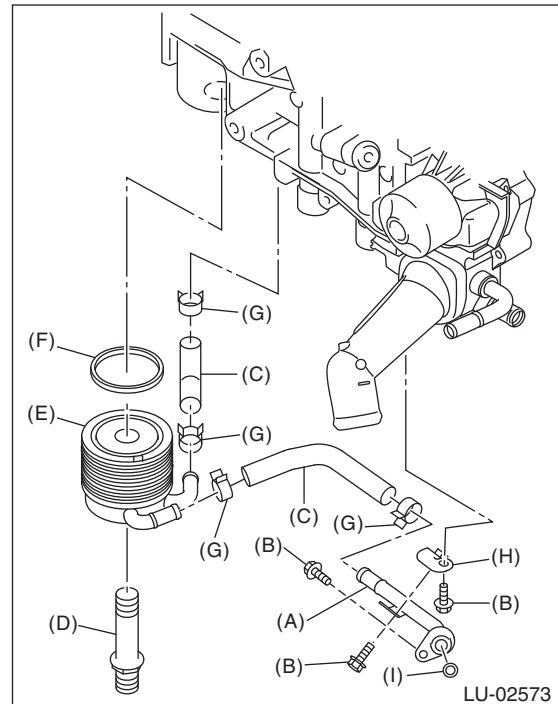
If engine oil is spilt onto the exhaust pipe, wipe it off with cloth to avoid emission of smoke or causing a fire.

#### NOTE:

Turbo model is equipped with engine oil cooler.

- 1) Lift up the vehicle.
- 2) Remove the under cover. <Ref. to EI-35, REMOVAL, Front Under Cover.>
- 3) Drain engine coolant. <Ref. to CO(H4SO)-14, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 4) Remove the front exhaust pipe. <Ref. to EX(H4DOTC)-5, REMOVAL, Front Exhaust Pipe.>
- 5) Remove the engine oil filter. <Ref. to LU(H4SO)-34, REMOVAL, Engine Oil Filter.>
- 6) Remove the bolt (B) holding the oil cooler pipe (A) to the oil pump.
- 7) Remove the oil cooler pipe (A) and oil cooler hose (C).

- 8) Remove the oil cooler connector (D) and oil cooler (E).



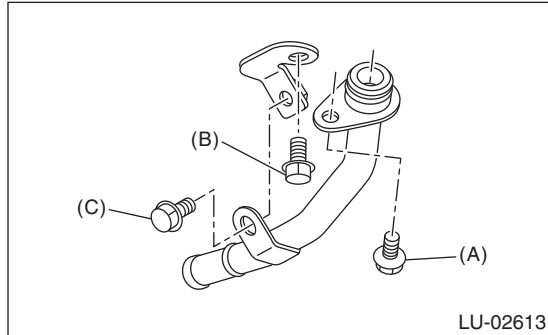
- (A) Oil cooler pipe
- (B) BOLT
- (C) Oil cooler hose
- (D) Oil cooler connector
- (E) Oil cooler
- (F) Gasket
- (G) Clip
- (H) Oil cooler pipe stay
- (I) O-ring

### B: INSTALLATION

Install in the reverse order of removal.

#### NOTE:

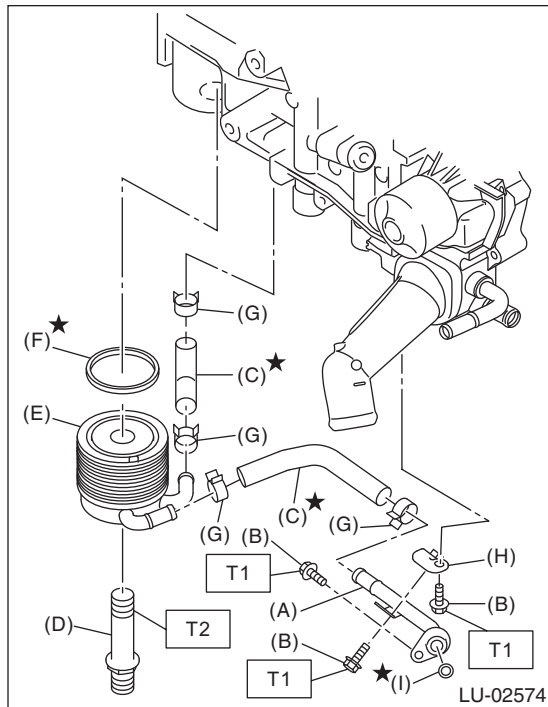
- Use new gaskets and O-rings.
- Use a new oil cooler hose.
- After temporarily tightening the bolts on oil cooler pipe, tighten the bolts in alphabetical order shown in the following figure.



#### Tightening torque:

**T1: 6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

**T2: 54 N·m (5.5 kgf-m, 39.8 ft-lb)**



- (A) Oil cooler pipe
- (B) BOLT
- (C) Oil cooler hose
- (D) Oil cooler connector
- (E) Oil cooler
- (F) Gasket
- (G) Clip
- (H) Oil cooler pipe stay
- (I) O-ring

### C: INSPECTION

- 1) Check that the engine oil cooler, oil cooler pipe and oil cooler connector do not have deformation, cracks or damage.
- 2) Make sure the oil cooler hoses are not cracked, damaged or loose.
- 3) Check the coolant paths for clogs while spraying compressed air.
- 4) Make sure the mating surfaces of the cylinder block do not have damage.