

## 8. Engine Oil Cooler Pipe

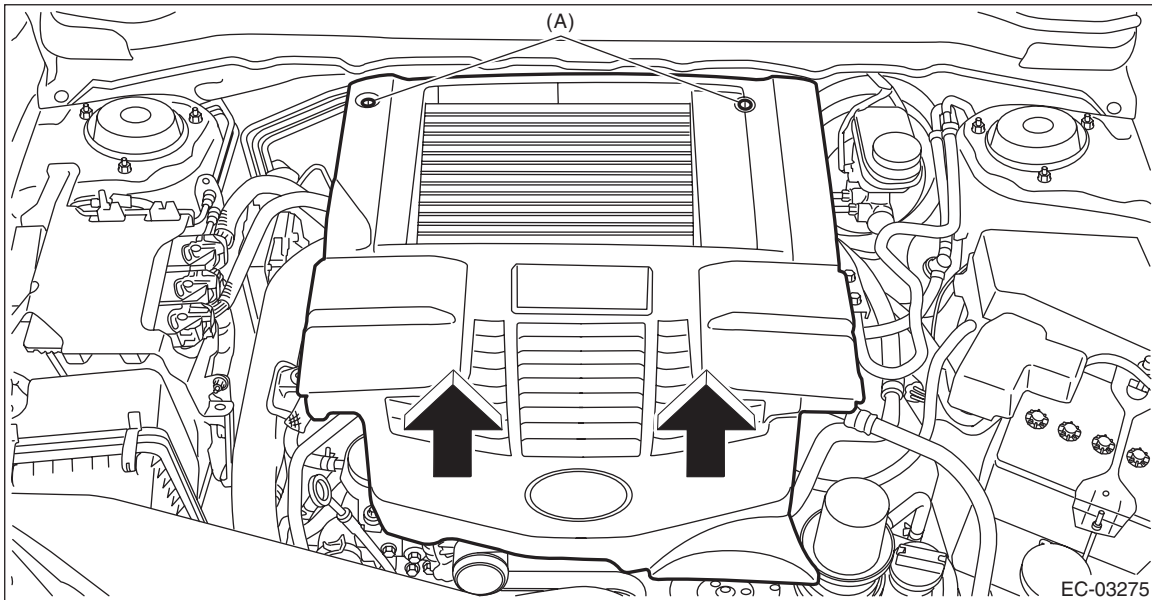
### A: REMOVAL

NOTE:

Turbo model is equipped with engine oil cooler pipe.

#### 1. FRONT ENGINE OIL COOLER PIPE

1) Remove the clip (A), lift the front of the collector cover in the direction of arrow, and then remove the collector cover.



2) Disconnect the ground cable from battery.

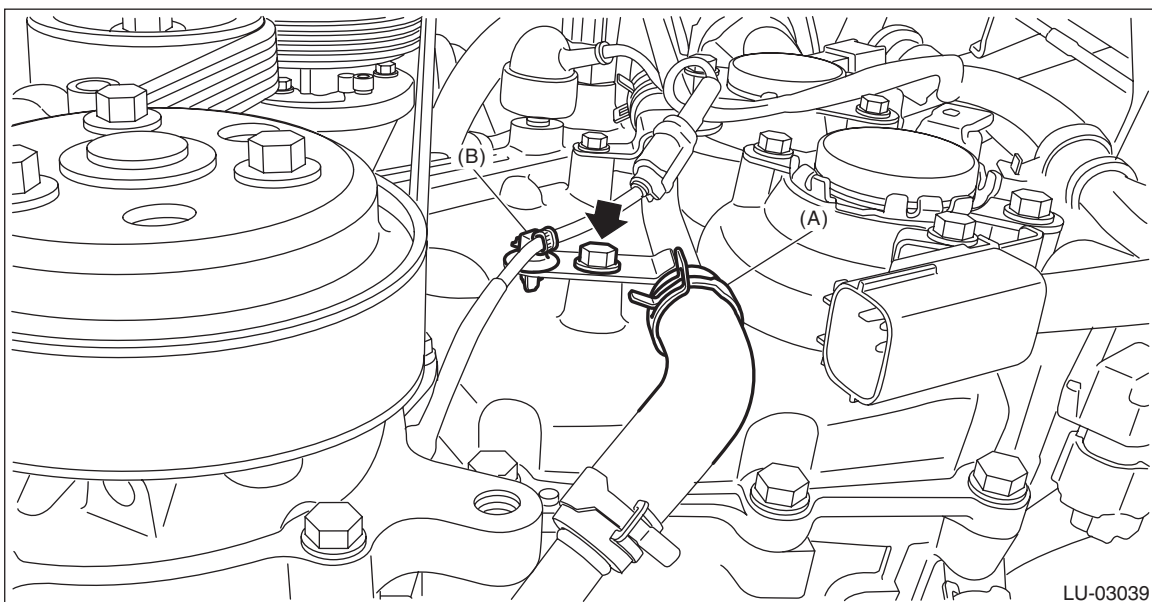
3) Lift up the vehicle.

4) Remove the under cover.<Ref. to EI-23, REMOVAL, Front Under Cover.>

5) Drain engine coolant.<Ref. to CO(H4DOTC)-13, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

6) Remove the center exhaust pipe.<Ref. to EX(H4DOTC)-30, REMOVAL, Center Exhaust Pipe.>

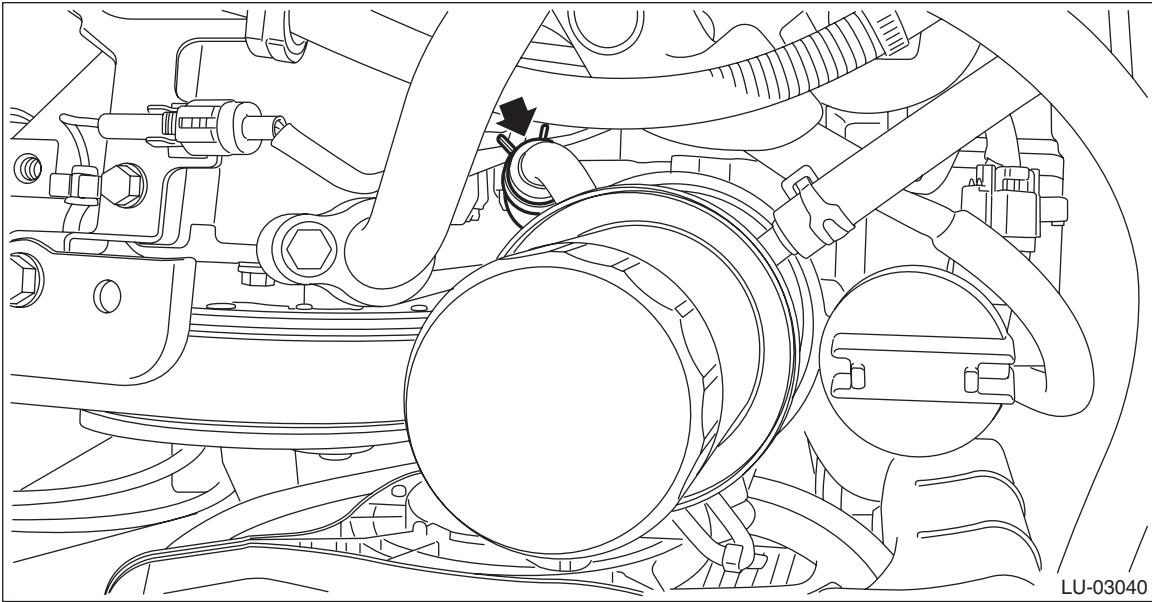
7) Remove the clip (B) which holds the front engine oil cooler hose B (A) and the oil level switch harness from the front engine oil cooler pipe. Remove the bolt which secures the front engine oil cooler pipe to the chain cover.



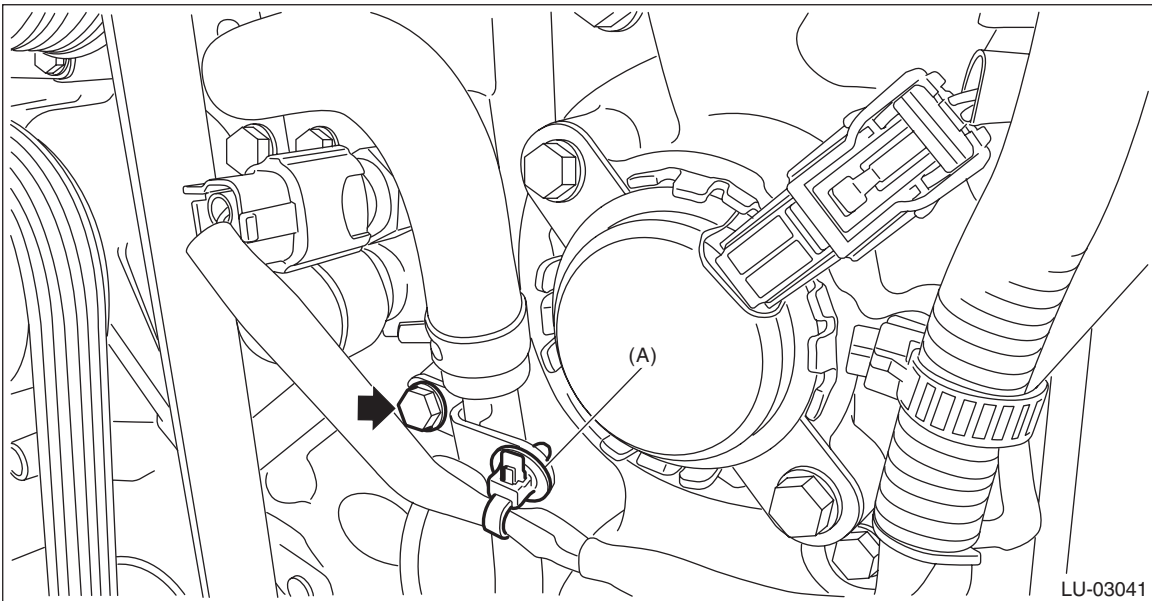
## Engine Oil Cooler Pipe

### LUBRICATION

- 8) Lower the vehicle.
- 9) Disconnect the front engine oil cooler hose A from the engine oil cooler.



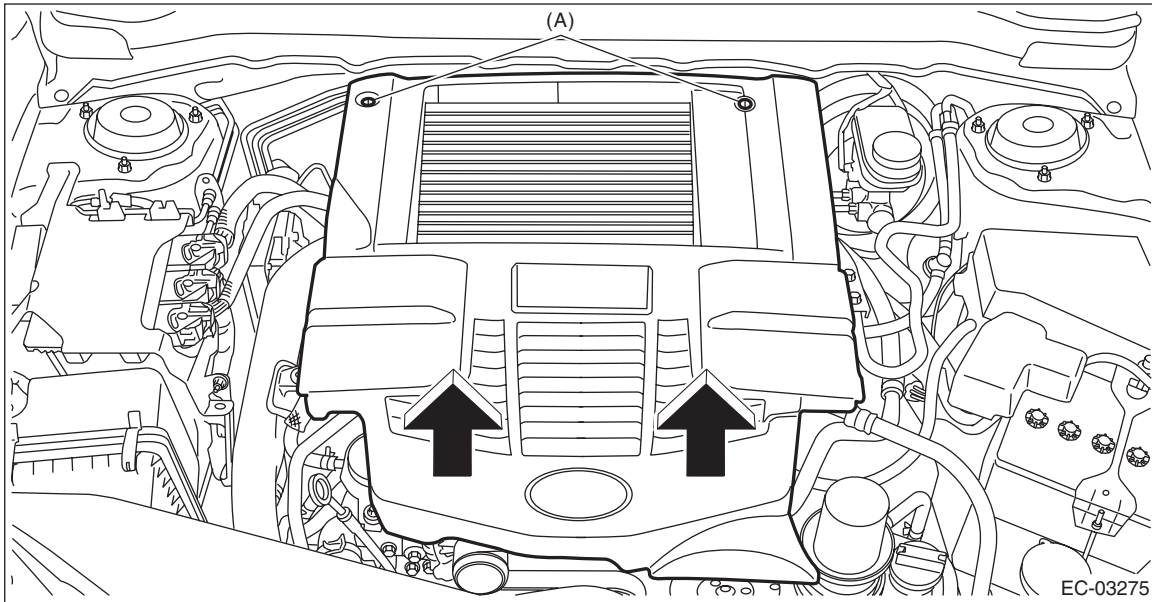
- 10) Remove the clip (A) holding the engine oil temperature sensor harness from the front engine oil cooler pipe.
- 11) Remove the bolt which secures the front engine oil cooler pipe to the chain cover. Remove the front engine oil cooler pipe together with the front engine oil cooler hose A.



- 12) Remove the front engine oil cooler hose A from the front engine oil cooler pipe.

## 2. SIDE ENGINE OIL COOLER PIPE

1) Remove the clip (A), lift the front of the collector cover in the direction of arrow, and then remove the collector cover.



2) Disconnect the ground cable from battery.

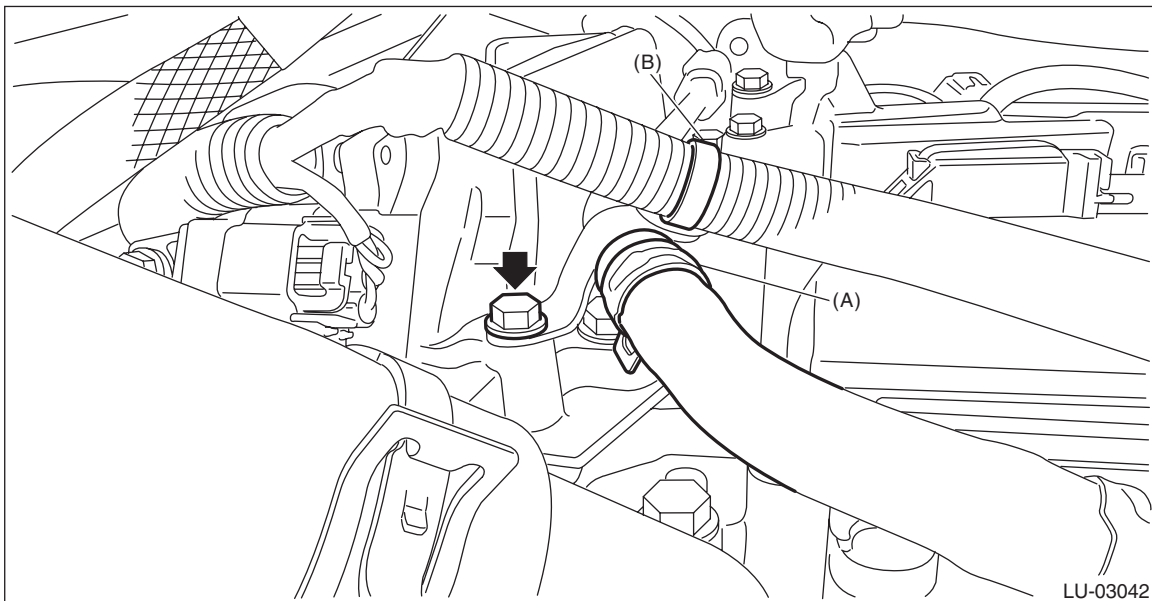
3) Lift up the vehicle.

4) Remove the under cover. <Ref. to EI-23, REMOVAL, Front Under Cover.>

5) Drain engine coolant. <Ref. to CO(H4DOTC)-13, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

6) Remove the center exhaust pipe. <Ref. to EX(H4DOTC)-30, REMOVAL, Center Exhaust Pipe.>

7) Remove the clip (B) which holds the side engine oil cooler hose B (A) and the rear oxygen sensor harness from the side engine oil cooler pipe. Remove the bolt which secures the side engine oil cooler pipe to the cam carrier RH.

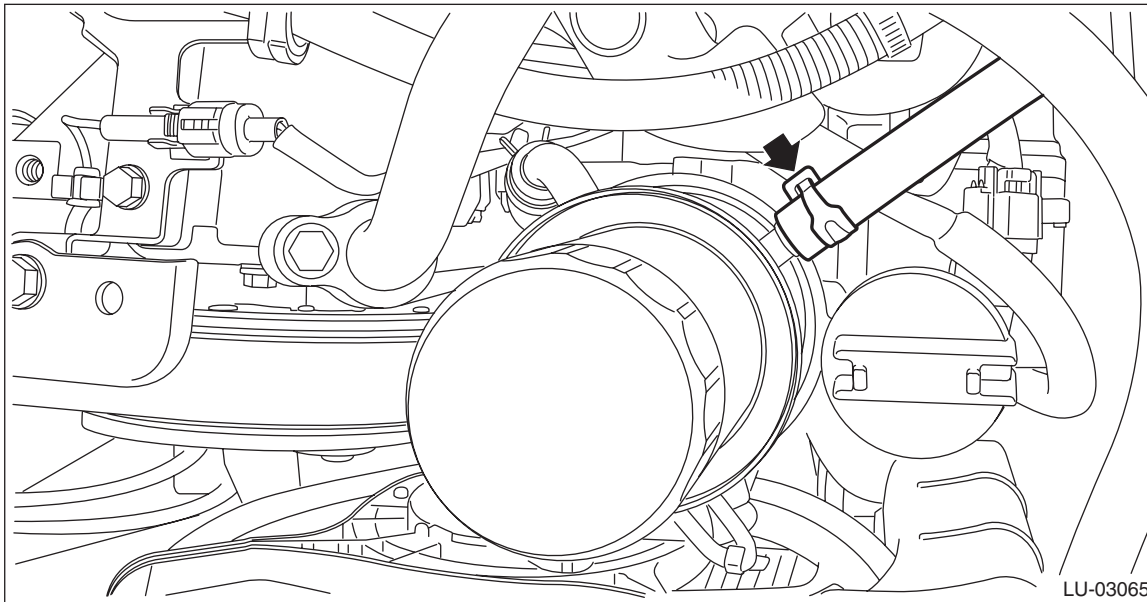


8) Lower the vehicle.

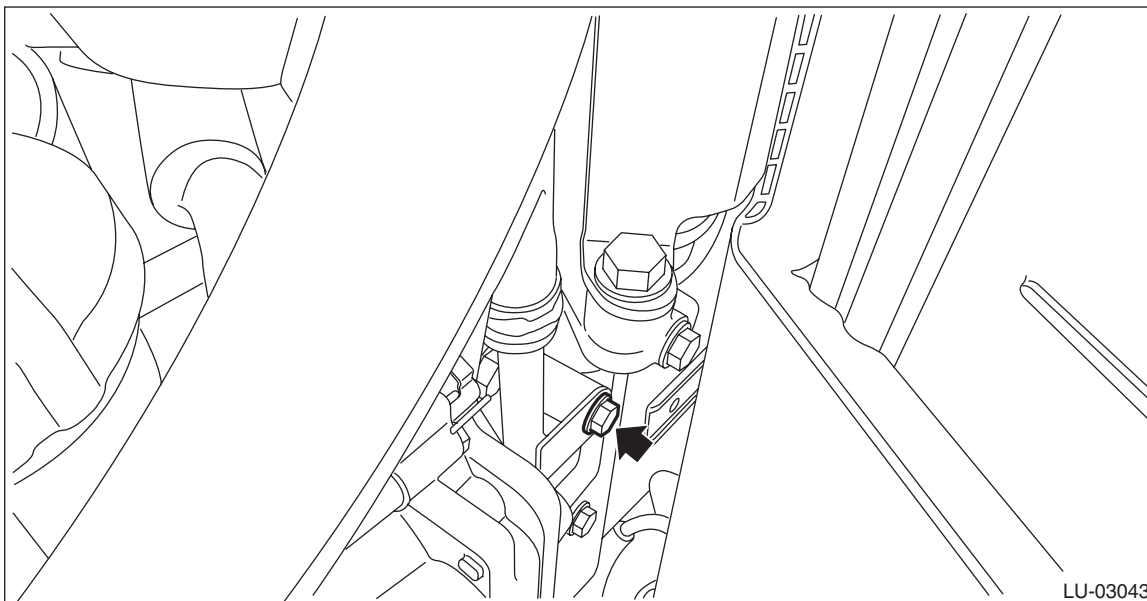
## Engine Oil Cooler Pipe

### LUBRICATION

9) Disconnect the side engine oil cooler hose A from the engine oil cooler.



10) Remove the bolt which secures the side engine oil cooler pipe to the cam carrier RH. Remove the side engine oil cooler pipe together with the side engine oil cooler hose A.



11) Remove the side engine oil cooler hose A from the side engine oil cooler pipe.

## **B: INSTALLATION**

### **1. FRONT ENGINE OIL COOLER PIPE**

Install in the reverse order of removal.

***Tightening torque:***

***6.4 N·m (0.7 kgf-m, 4.7 ft-lb)***

### **2. SIDE ENGINE OIL COOLER PIPE**

Install in the reverse order of removal.

***Tightening torque:***

***6.4 N·m (0.7 kgf-m, 4.7 ft-lb)***

## **C: INSPECTION**

- 1) Check that the engine oil cooler pipes have no deformation, cracks or other damages.
- 2) Make sure the engine oil cooler hoses are not cracked, damaged or loose.