

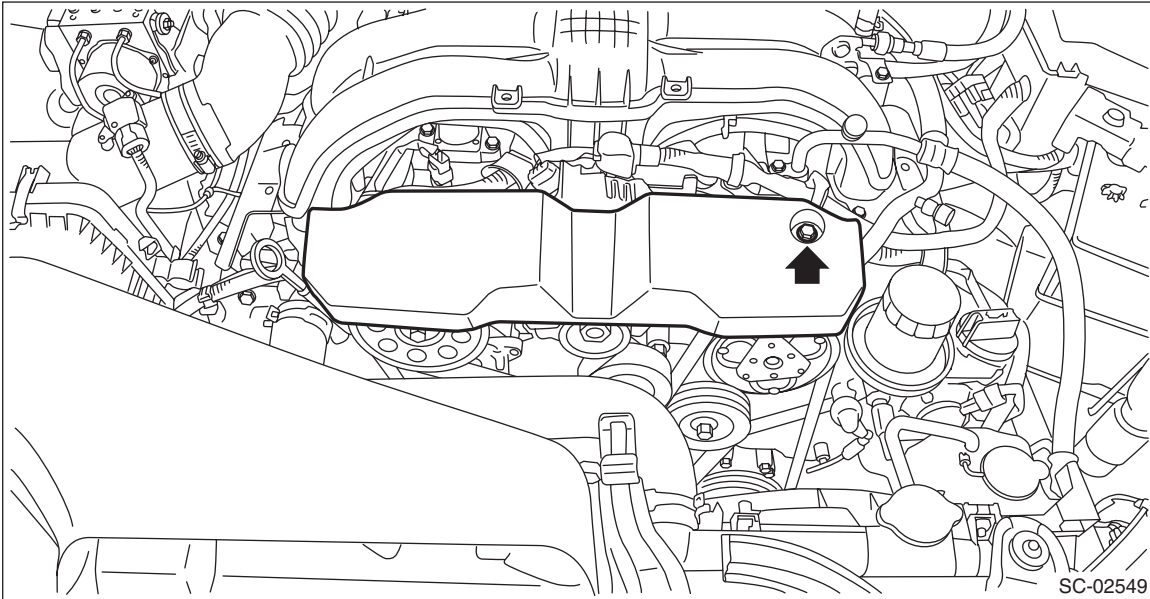
## 6. Radiator

### A: REMOVAL

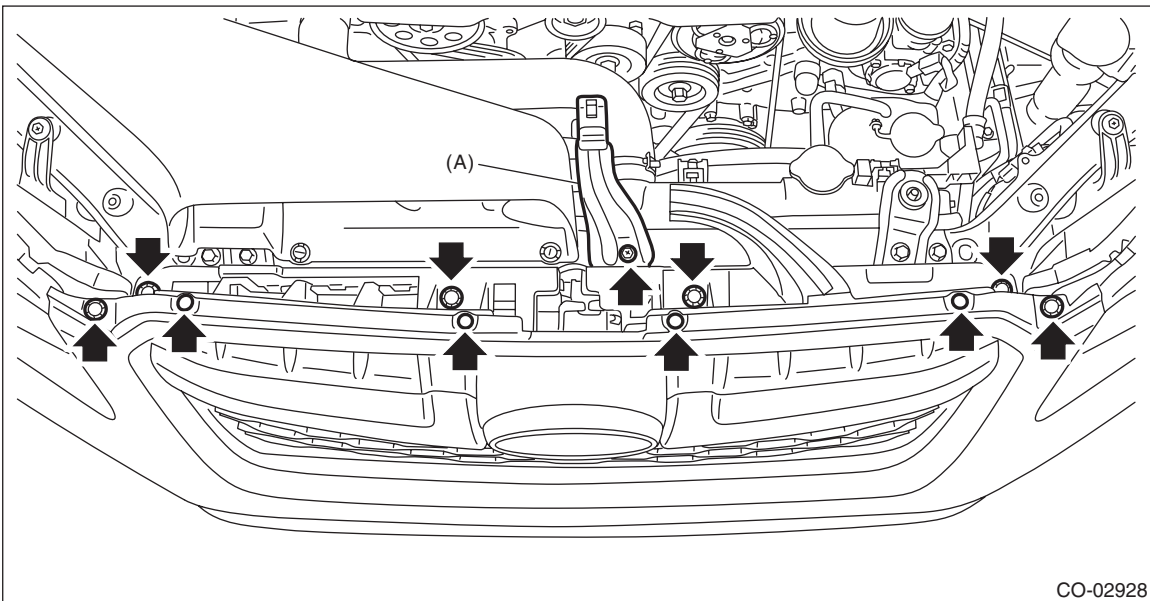
#### CAUTION:

The radiator is pressurized when the engine and radiator are hot. Wait until engine and radiator cool down before working on the radiator.

- 1) Remove the V-belt covers.



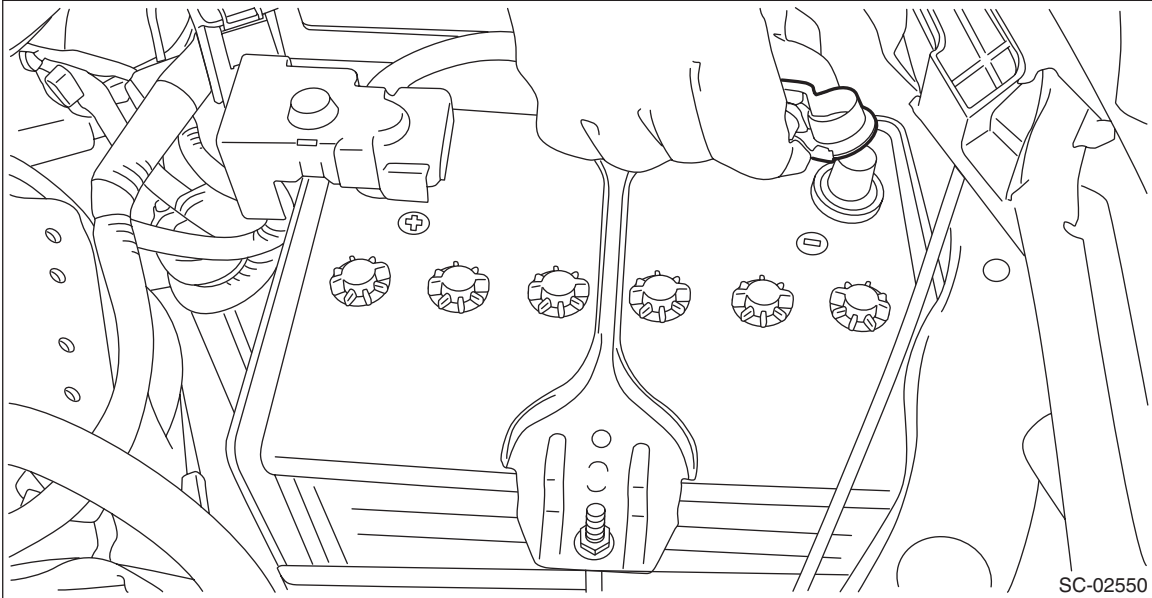
- 2) Remove the clip, and remove the bracket - grille.
- 3) Remove the bolts, and remove the bracket - plate (A).



# Radiator

## COOLING

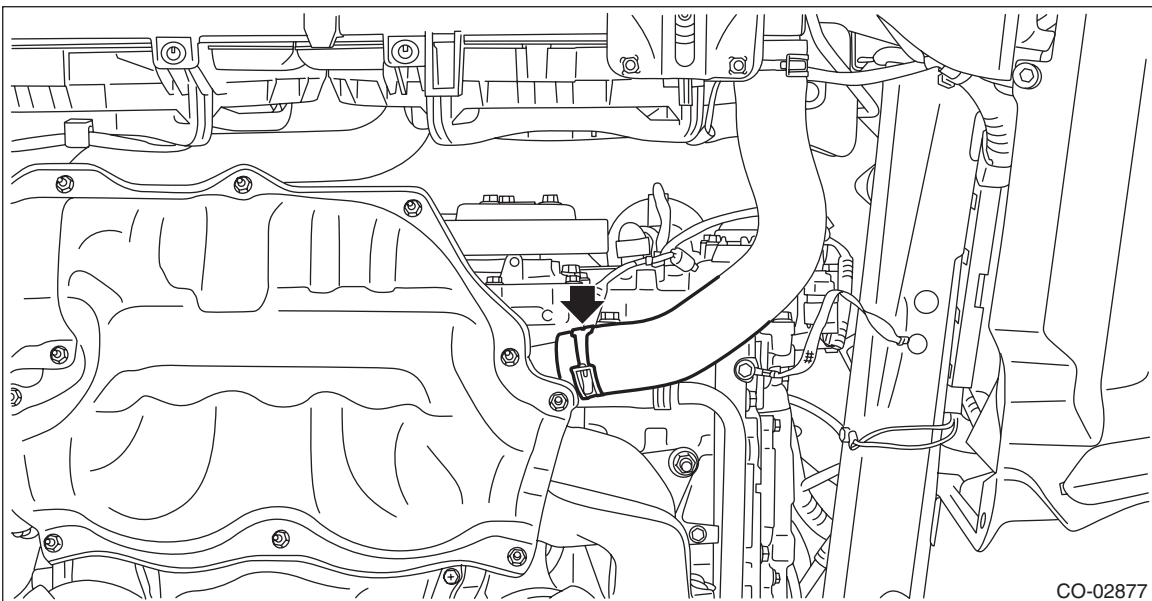
4) Disconnect the ground cable from battery.



5) Lift up the vehicle.

6) Drain engine coolant. <Ref. to CO(H4DO)-13, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

7) Disconnect the radiator outlet hose from thermostat cover.

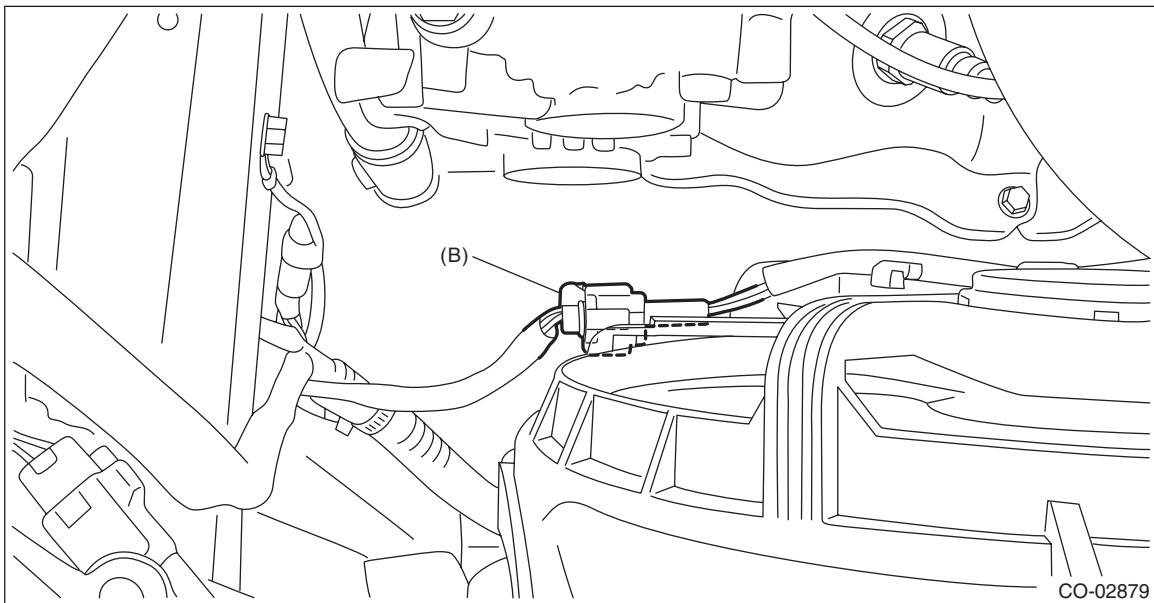
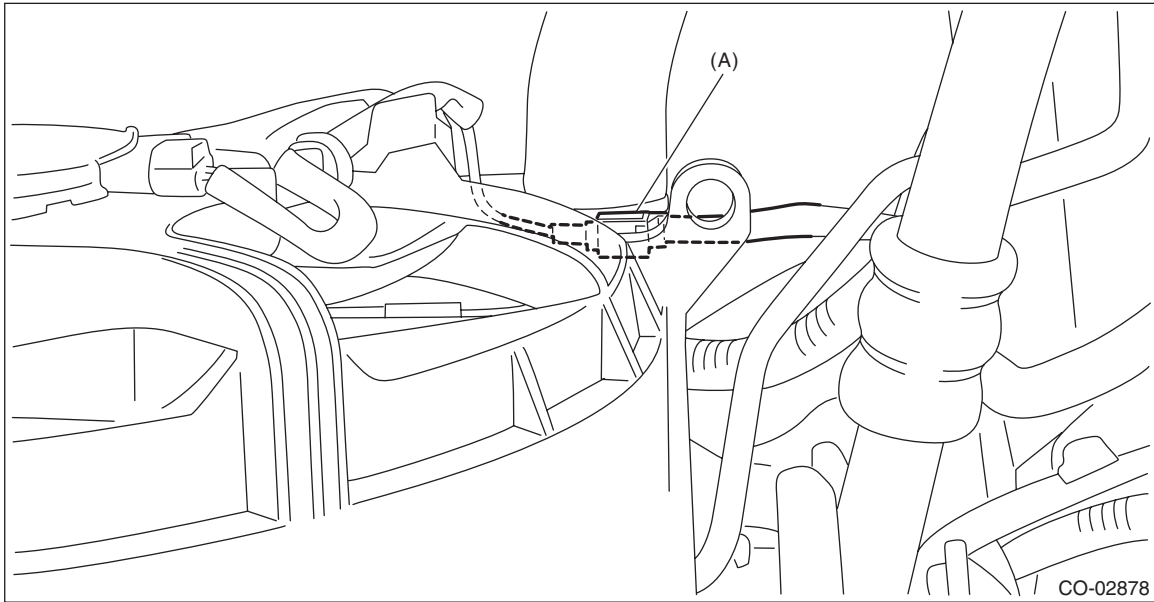


8) Lower the vehicle.

9) Remove the air intake duct. <Ref. to IN(H4DO)-13, REMOVAL, Air Intake Duct.>

10) Remove the reservoir tank. <Ref. to CO(H4DO)-49, REMOVAL, Reservoir Tank.>

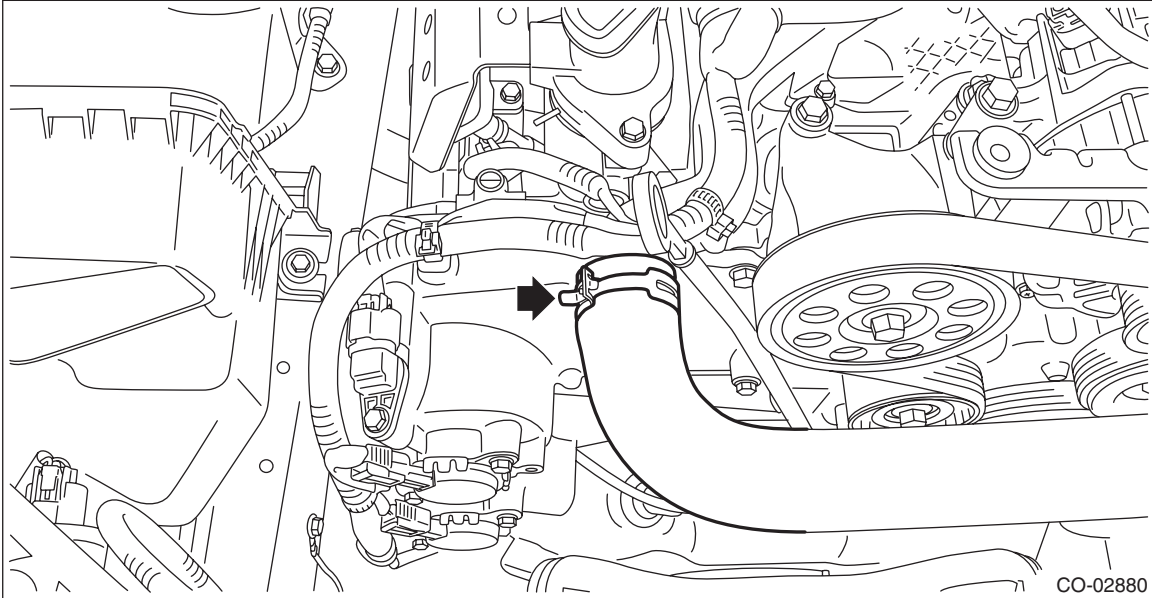
11) Disconnect the connector (A) from the main fan motor assembly and the connector (B) from the sub fan motor assembly.



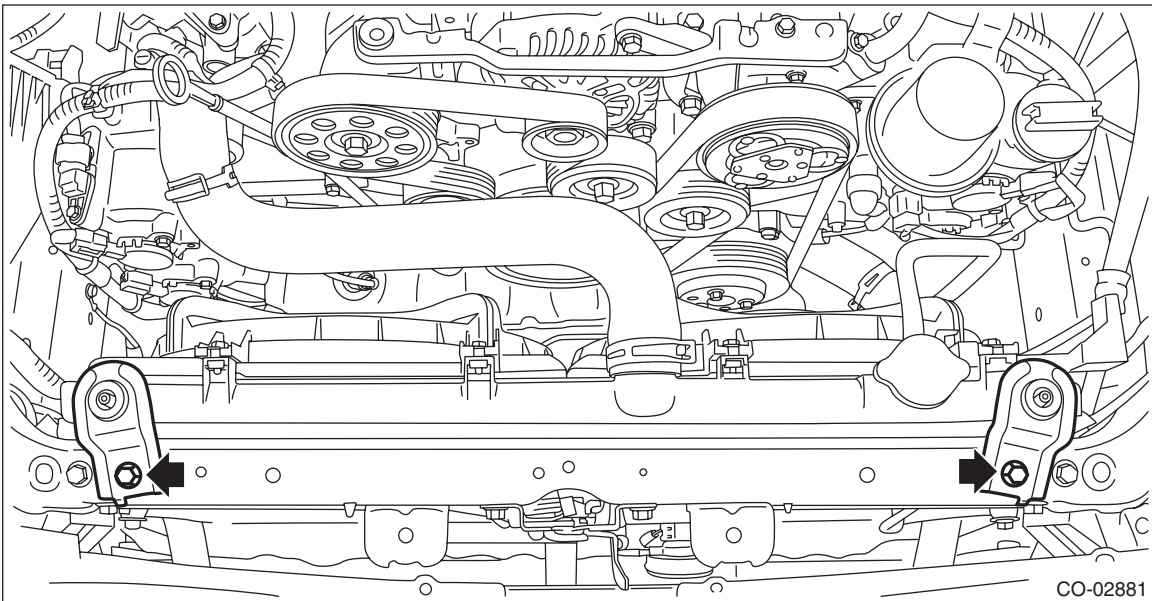
## Radiator

### COOLING

- 12) Disconnect the radiator inlet hose from the water pipe assembly.



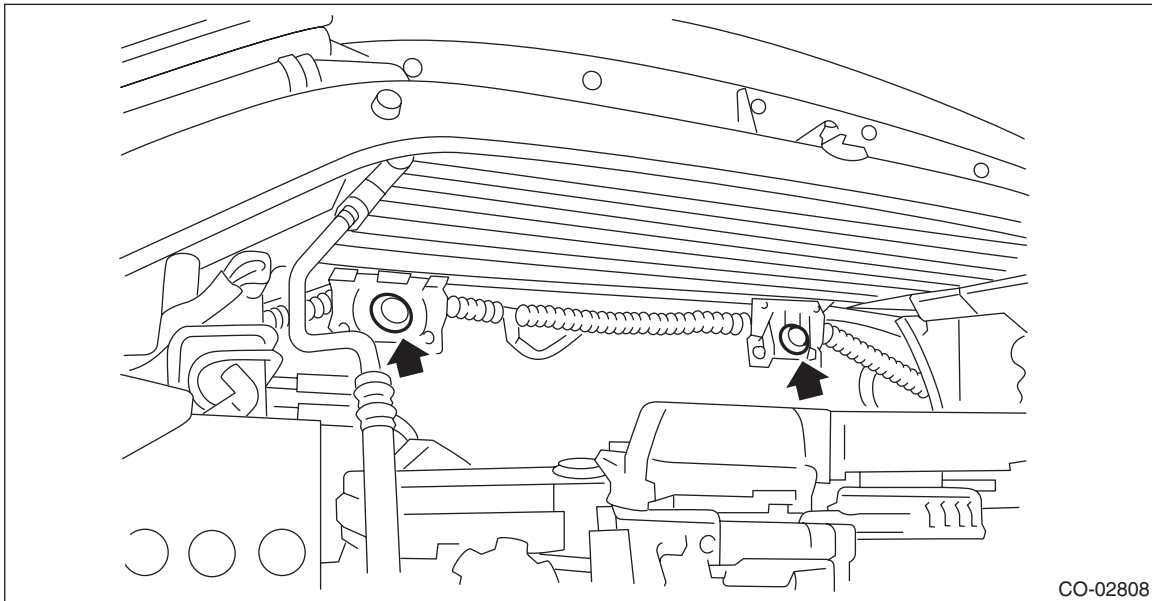
- 13) Remove the radiator upper brackets.



- 14) Lift the radiator up and away from vehicle.

**B: INSTALLATION**

- 1) Attach the radiator lower cushion to the radiator lower bracket.



- 2) Install the radiator to vehicle.

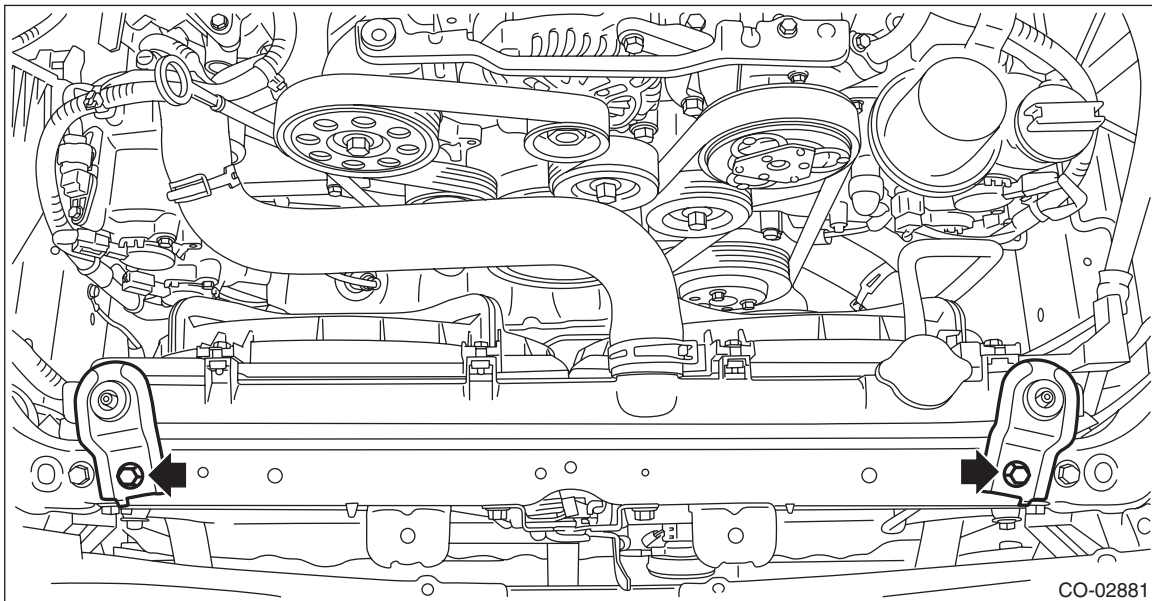
**NOTE:**

Make pins on the lower side of radiator be fitted into the radiator lower cushions.

- 3) Install the radiator upper brackets.

**Tightening torque:**

**12 N·m (1.2 kgf-m, 8.9 ft-lb)**

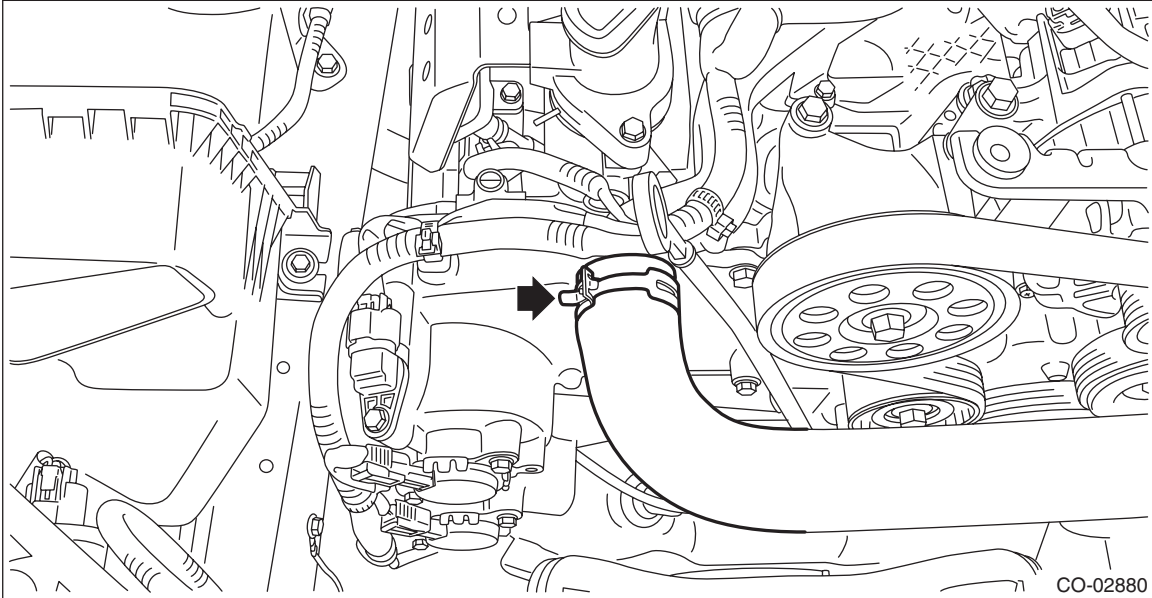




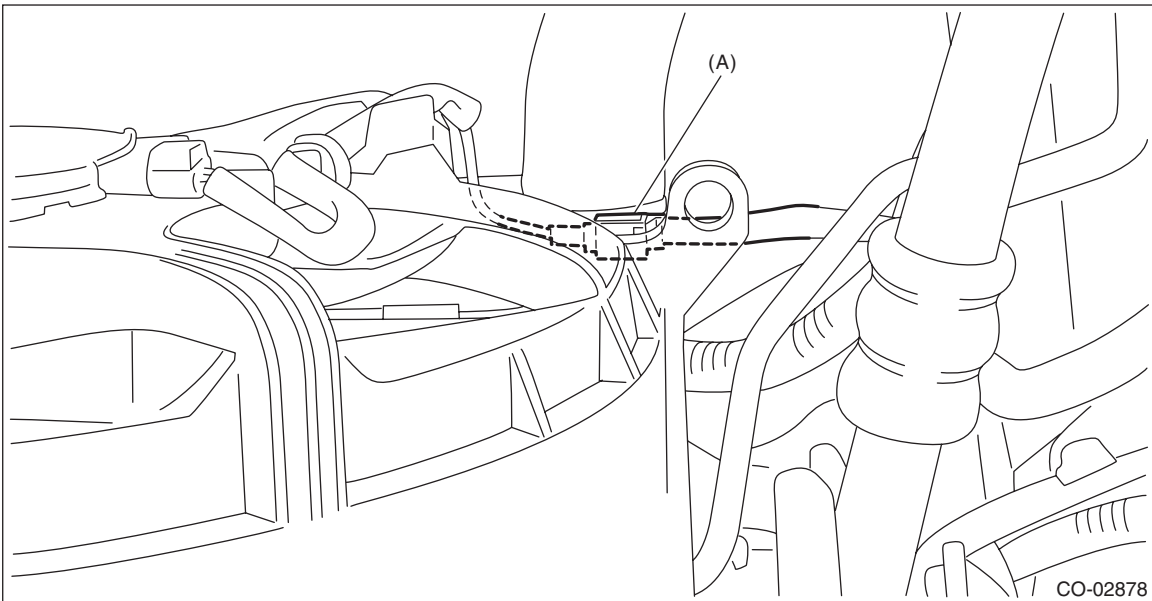
## Radiator

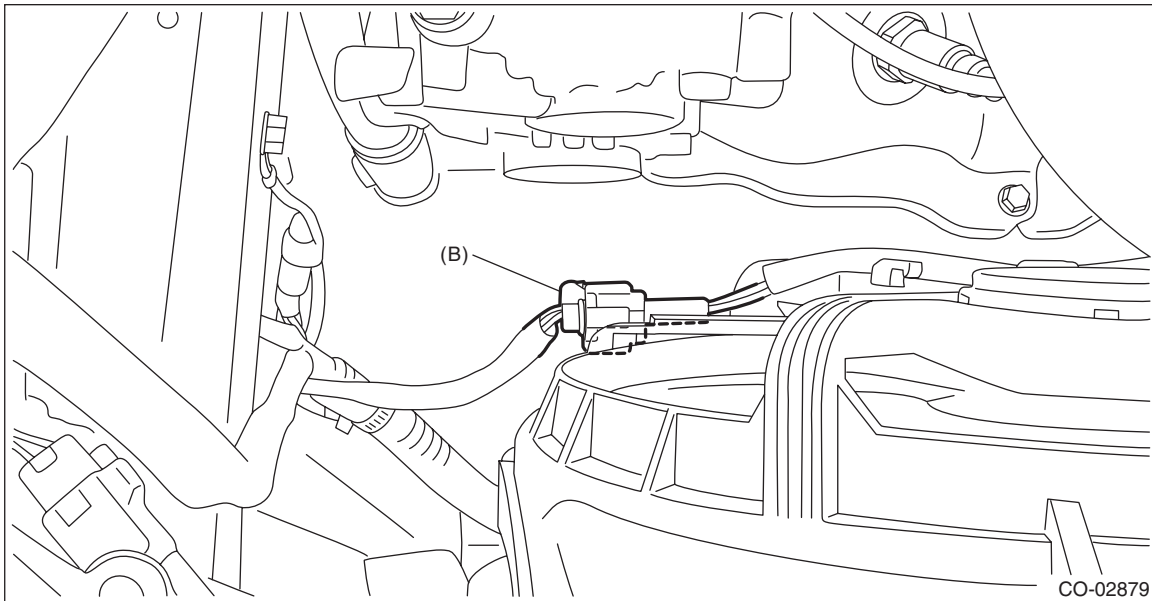
### COOLING

- 4) Connect the radiator inlet hose to the water pipe assembly.

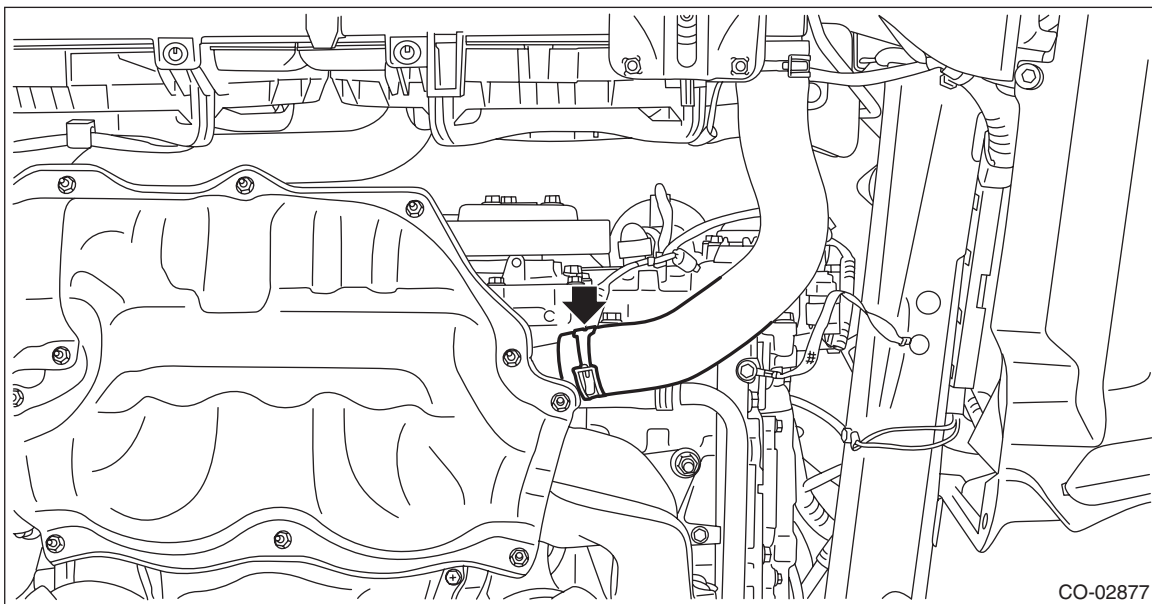


- 5) Connect the connector (A) to the main fan motor assembly and the connector (B) to the sub fan motor assembly.





- 6) Install the reservoir tank. <Ref. to CO(H4DO)-49, INSTALLATION, Reservoir Tank.>
- 7) Install the air intake duct. <Ref. to IN(H4DO)-13, INSTALLATION, Air Intake Duct.>
- 8) Lift up the vehicle.
- 9) Connect the radiator outlet hose.



- 10) Lower the vehicle.
- 11) Attach the bracket - plate (A).

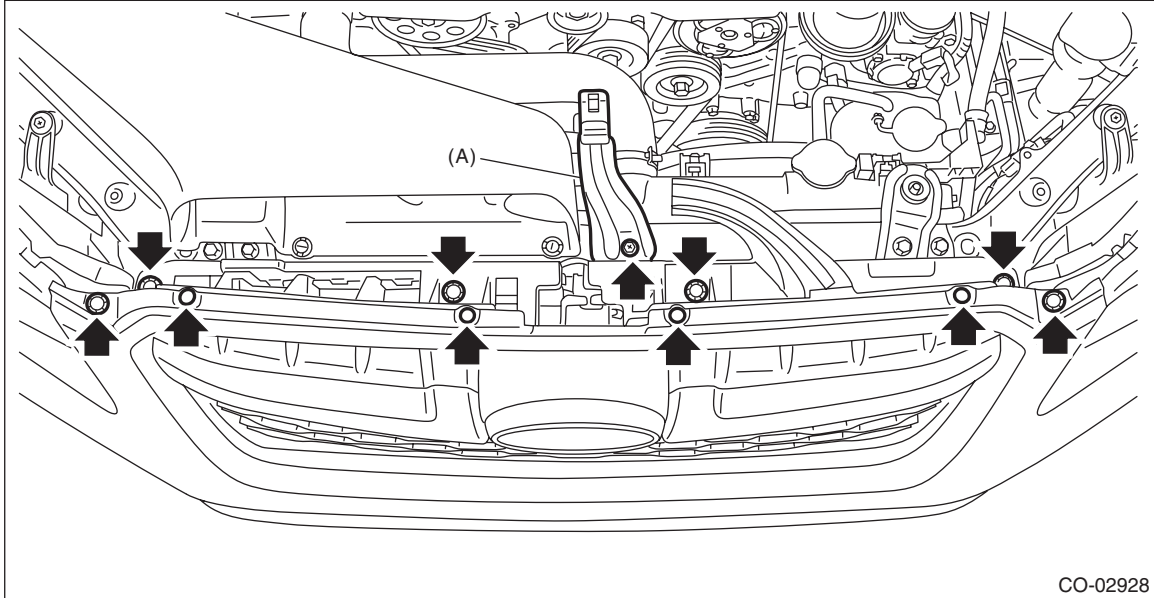
**Tightening torque:**

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

## Radiator

### COOLING

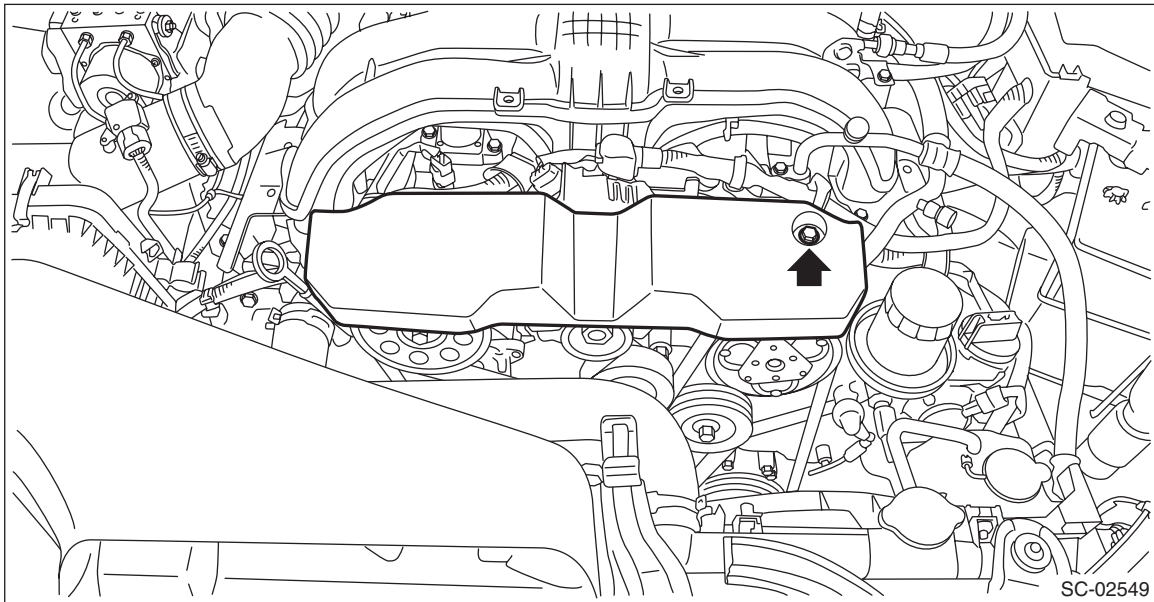
12) Attach the bracket - grille.



13) Install the V-belt cover.

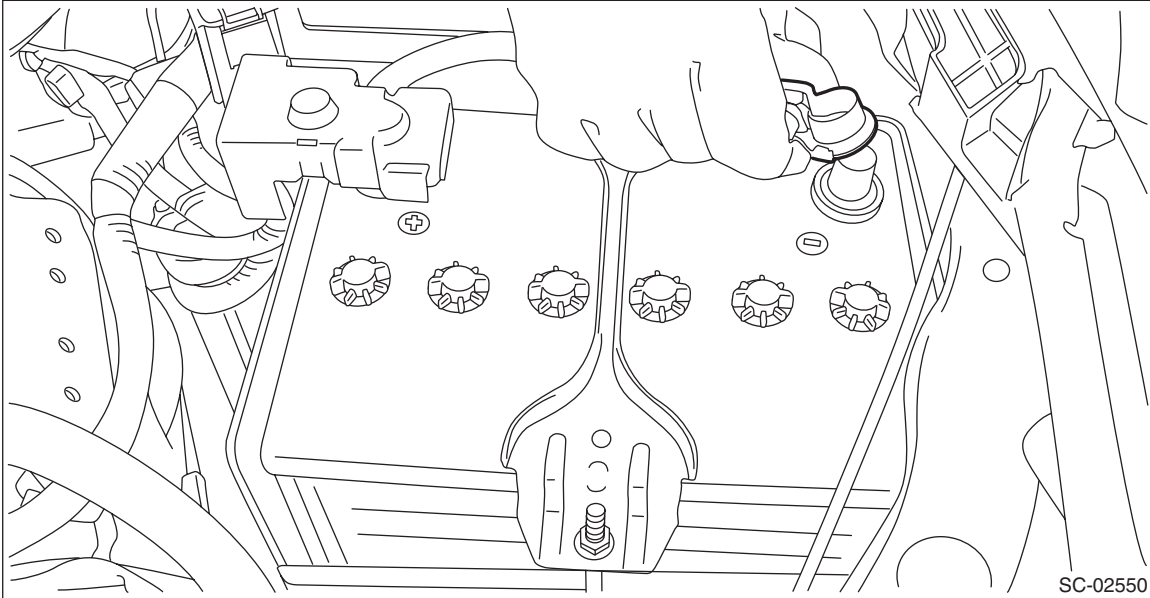
**Tightening torque:**

**13 N·m (1.3 kgf-m, 9.6 ft-lb)**





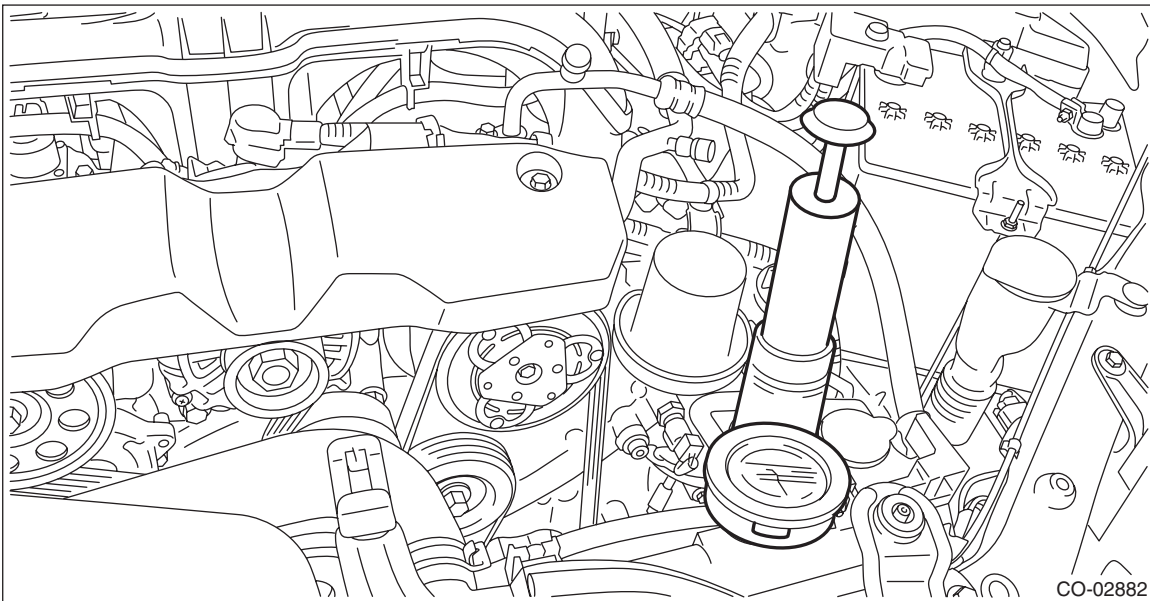
14) Connect the battery ground terminal.



15) Fill engine coolant. <Ref. to CO(H4DO)-13, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

## C: INSPECTION

- 1) Check that the radiator does not have deformation, cracks or damage.
- 2) Check that the hose has no cracks, damage or loose part.
- 3) Remove the radiator cap, fill the radiator with engine coolant, and then install the radiator cap tester to the filler neck of radiator.



- 4) Apply a pressure of 157 kPa (1.6 kgf/cm<sup>2</sup>, 23 psi) to the radiator, and check the following items.
  - Leakage from the radiator or its vicinity
  - Leakage from the hose or its connections

### CAUTION:

- Engine should be turned off.
- Wipe engine coolant from check points in advance.
- Be careful not to deform the filler neck of radiator when installing and removing the radiator cap tester.
- Be careful of engine coolant from spurting out when removing the radiator cap tester.