

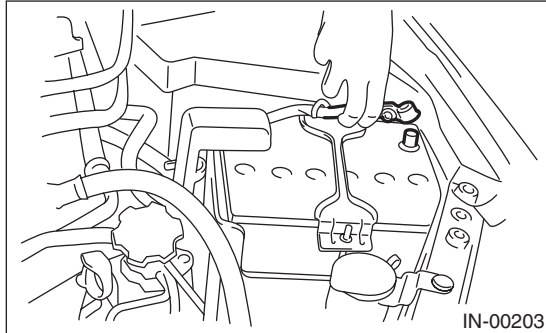
## 6. Radiator

### 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.

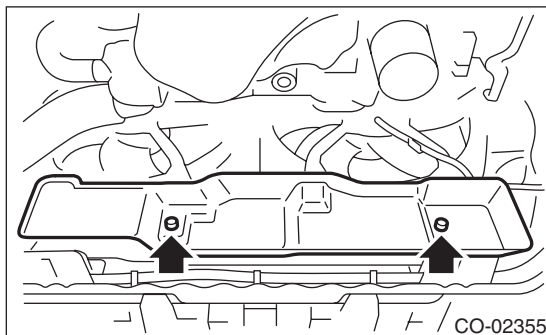
1) Disconnect the ground cable from battery.



2) Lift up the vehicle.

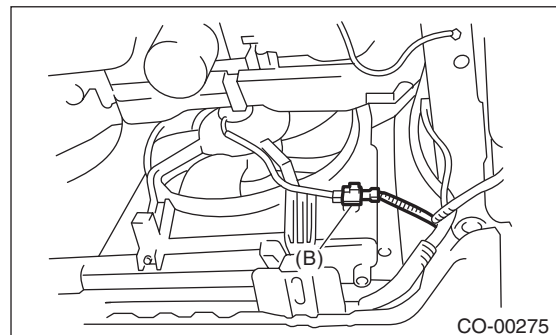
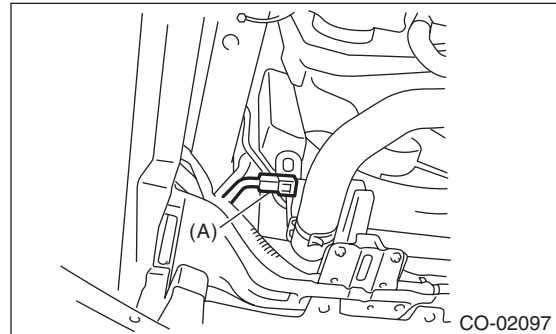
3) Remove the under cover. <Ref. to EI-24, REMOVAL, Front Under Cover.>

4) Remove the heat shield cover from radiator. (AT model)

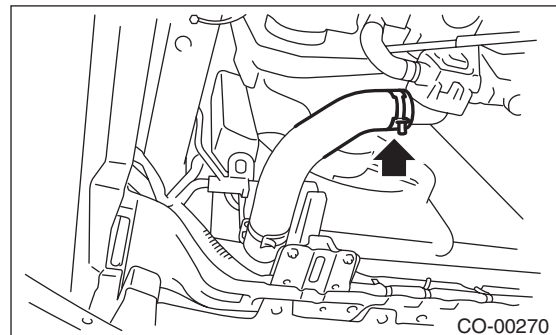


5) Drain engine coolant. <Ref. to CO(H4SO)-13, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

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



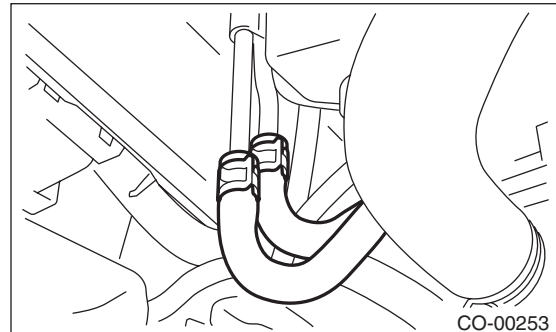
7) Disconnect the radiator outlet hose from thermostat cover.



8) Disconnect the ATF cooler hoses from ATF pipes. (AT model)

#### NOTE:

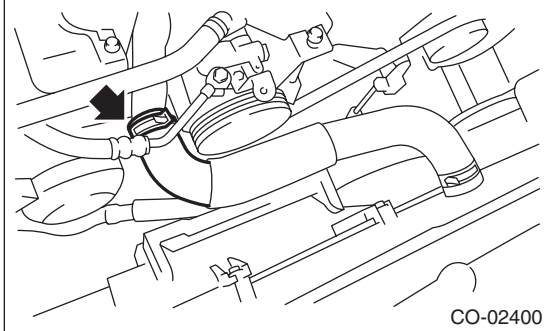
Plug the ATF pipe to prevent ATF from leaking.



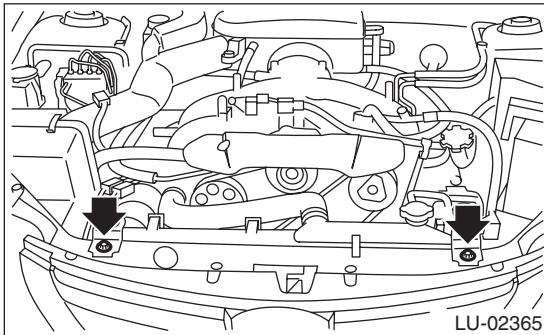
# Radiator

## COOLING

- 9) Lower the vehicle.
- 10) Disconnect the over flow hose.
- 11) Remove the reservoir tank. <Ref. to CO(H4SO)-27, REMOVAL, Reservoir Tank.>
- 12) Remove the air intake duct. <Ref. to IN(H4SO)-8, REMOVAL, Air Intake Duct.>
- 13) Disconnect the radiator inlet hose from engine.



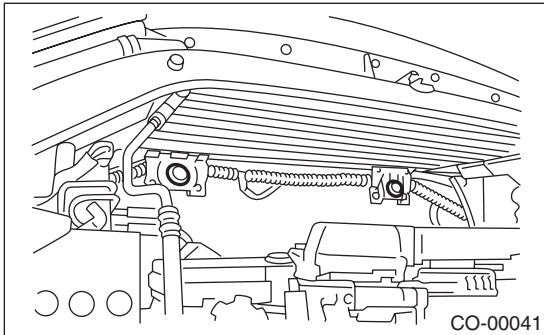
- 14) Remove the radiator upper brackets.



- 15) Lift the radiator up and remove the radiator from vehicle.

## B: INSTALLATION

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



- 2) Install the radiator to vehicle.

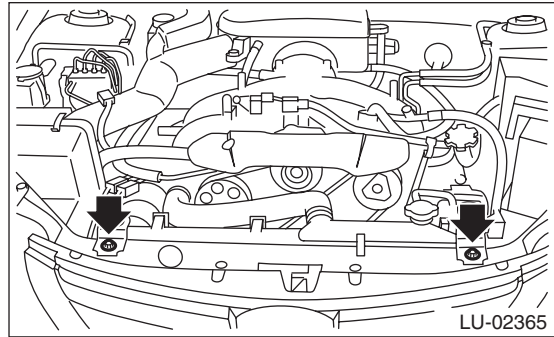
### NOTE:

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

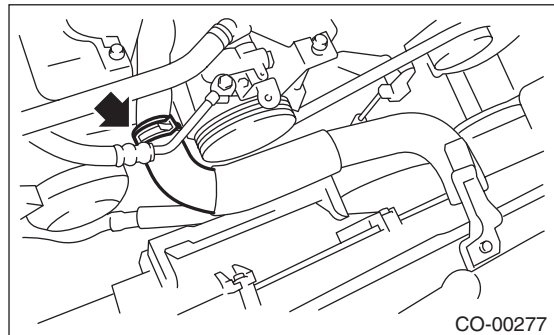
- 3) Install the radiator upper brackets.

### Tightening torque:

**12 N·m (1.2 kgf-m, 8.9 ft-lb)**



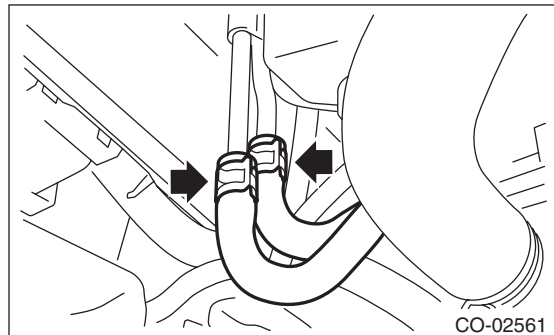
- 4) Connect the radiator inlet hose.



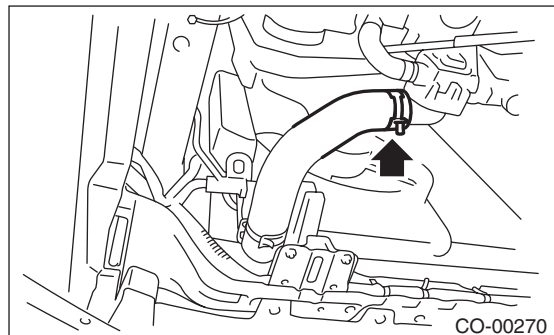
- 5) Install the air intake duct. <Ref. to IN(H4SO)-8, INSTALLATION, Air Intake Duct.>
- 6) Install the reservoir tank. <Ref. to CO(H4SO)-27, INSTALLATION, Reservoir Tank.>
- 7) Connect the over flow hose.
- 8) Lift up the vehicle.
- 9) Connect the ATF hoses. (AT model)

### NOTE:

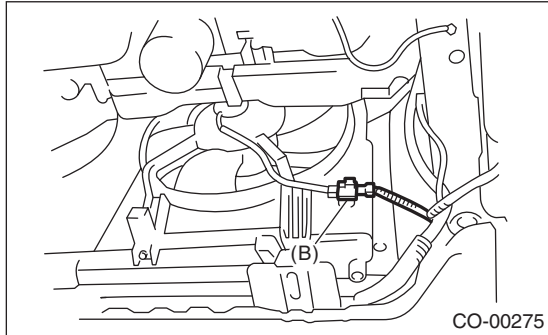
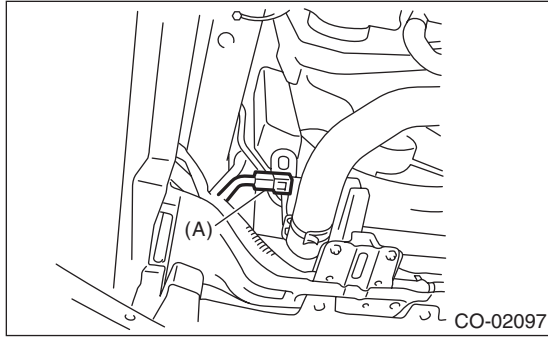
Use a new ATF hose.



- 10) Connect the radiator outlet hose.



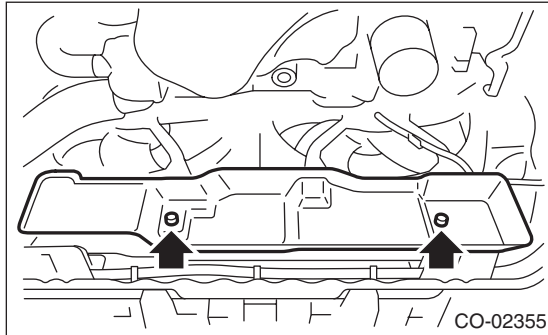
- 11) Connect the main fan motor assembly connector (A) and sub fan motor assembly connector (B).



- 12) Install the heat shield cover. (AT model)

**Tightening torque:**

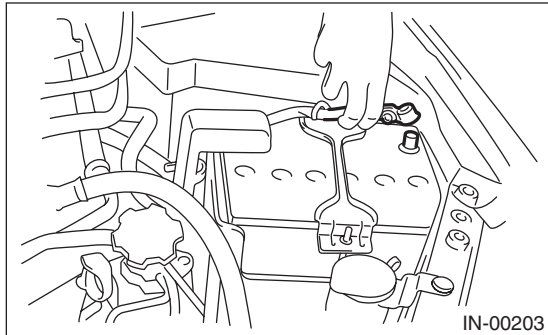
**3 N·m (0.3 kgf-m, 2.2 ft-lb)**



- 13) Install the under cover. <Ref. to EI-24, INSTALLATION, Front Under Cover.>

- 14) Lower the vehicle.

- 15) Connect the battery ground terminal.

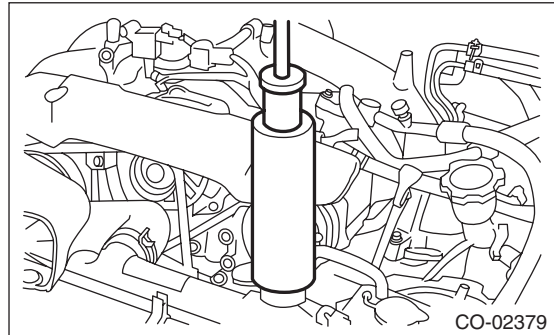


- 16) Fill engine coolant. <Ref. to CO(H4SO)-13, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

- 17) Check the ATF level. (AT model) <Ref. to 4AT-26, INSPECTION, Automatic Transmission Fluid.>

## 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 kg/cm<sup>2</sup>, 23 psi) to the radiator and check the following points:

- 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 of engine coolant from spurting out when removing the radiator cap tester.
- Be careful not to deform the filler neck of radiator when installing and removing the radiator cap tester.