

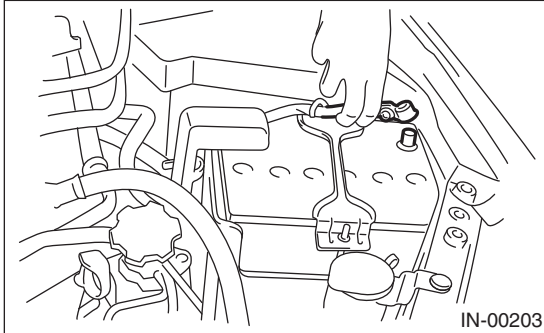
6. Radiator

A: REMOVAL

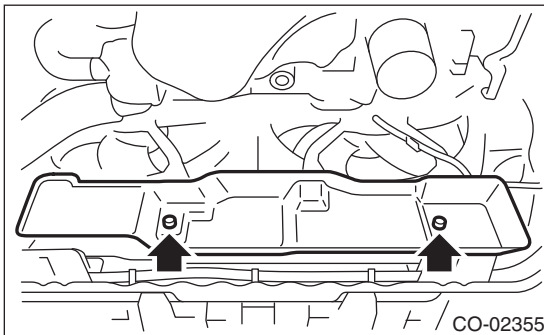
CAUTION:

The radiator is pressurized. Wait until engine cools down before working on the radiator.

- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from the battery.

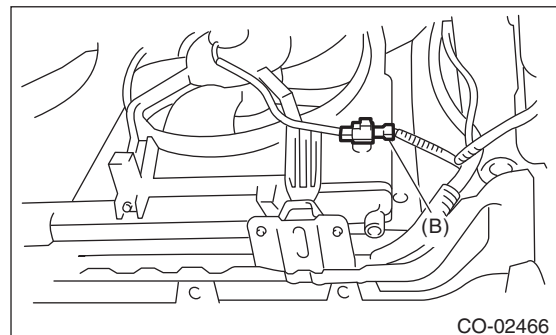
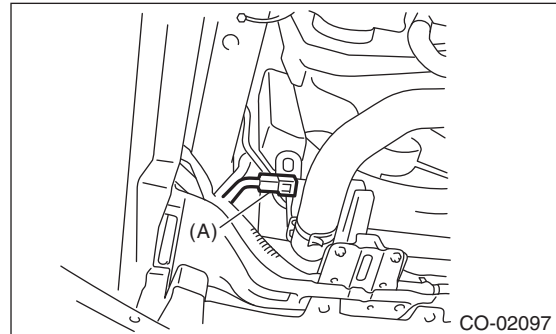


- 3) Lift up the vehicle.
- 4) Remove the under cover.
- 5) Remove the heat shield cover from radiator. (AT model)

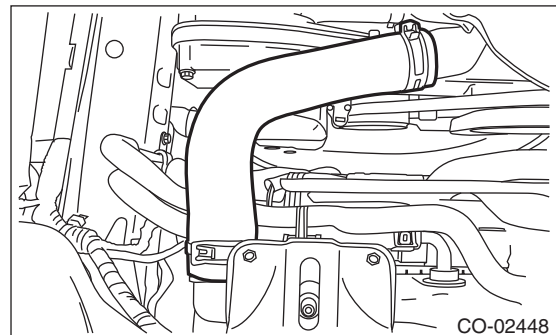


- 6) Drain engine coolant completely.
<Ref. to CO(H4SO)-13, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

- 7) Disconnect the connectors of radiator main fan motor connector (A) and sub fan motor connector (B).



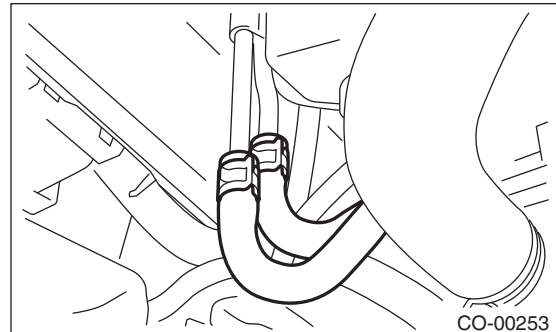
- 8) Disconnect the radiator outlet hose from thermostat cover.



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

NOTE:

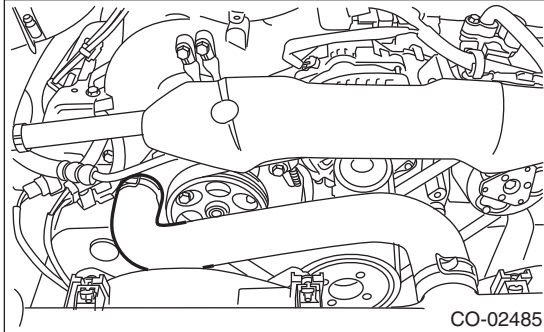
Plug the ATF pipe to prevent ATF from leaking.



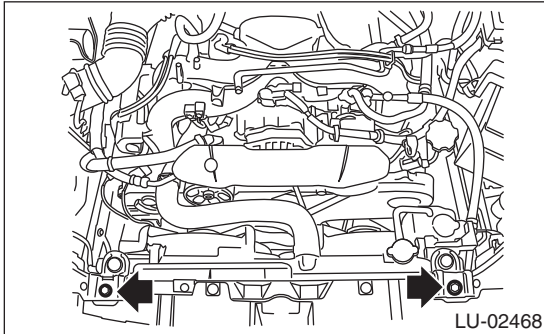
Radiator

COOLING

- 10) Lower the vehicle.
- 11) Disconnect the over flow hose.
- 12) Remove the reservoir tank. <Ref. to CO(H4SO)-28, REMOVAL, Reservoir Tank.>
- 13) Remove the air intake duct. <Ref. to IN(H4SO)-8, REMOVAL, Air Intake Duct.>
- 14) Disconnect the radiator inlet hoses from the engine.



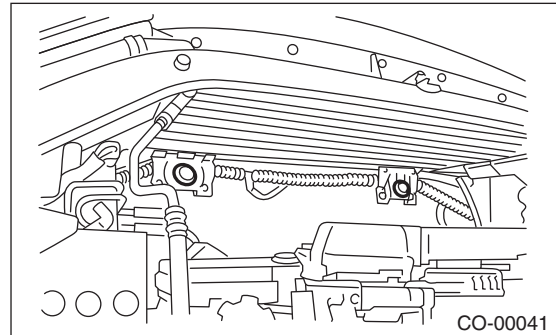
- 15) Remove the radiator upper brackets.



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

B: INSTALLATION

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



- 2) Install the radiator to vehicle.

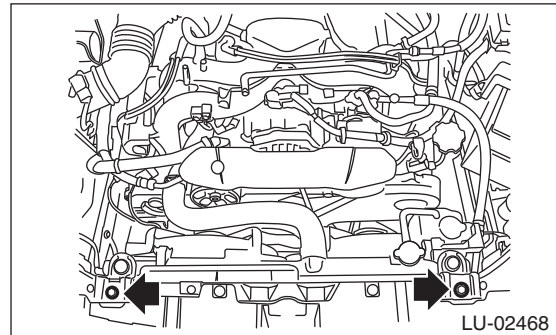
NOTE:

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

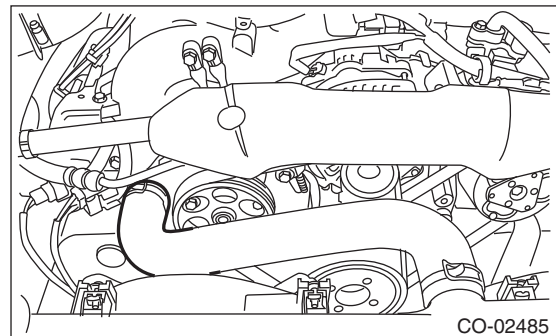
- 3) Install the radiator upper brackets and tighten the bolts.

Tightening torque:

12 N·m (1.2 kgf-m, 8.9 ft-lb)

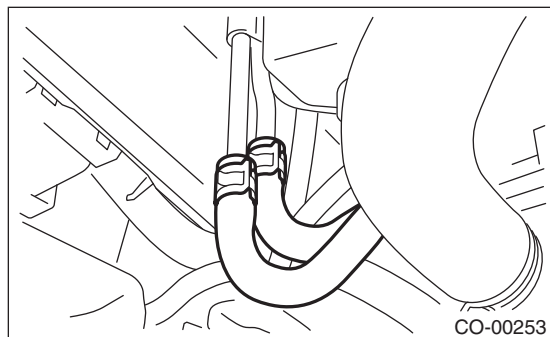


- 4) Connect the radiator inlet hose.

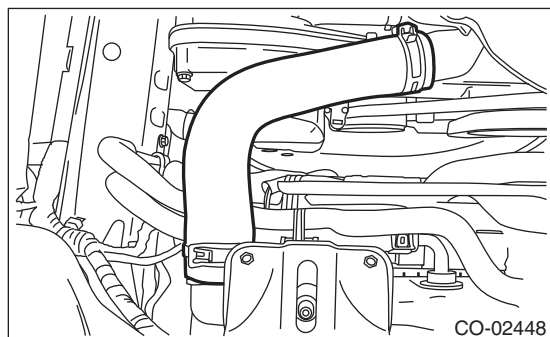


- 5) Install the air intake duct. <Ref. to IN(H4SO)-8, INSTALLATION, Air Intake Duct.>
- 6) Install the reservoir tank. <Ref. to CO(H4SO)-28, INSTALLATION, Reservoir Tank.>
- 7) Connect the over flow hose.
- 8) Lift up the vehicle.

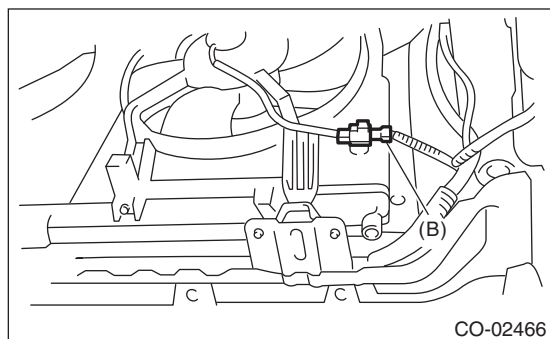
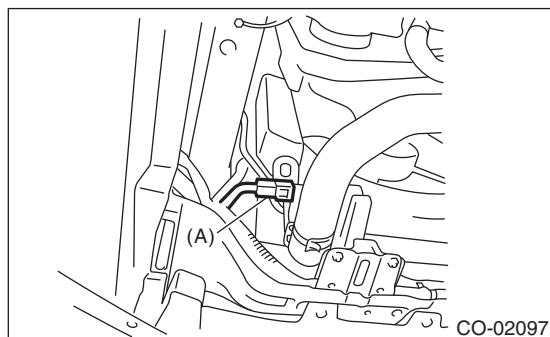
- 9) Connect the ATF cooler hoses. (AT model)



- 10) Connect the radiator outlet hose.



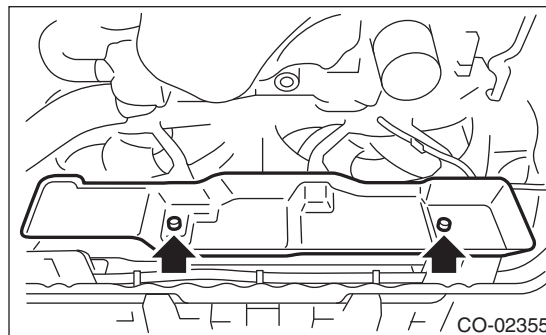
- 11) Connect the connectors of radiator main fan motor connector (A) and sub fan motor connector (B).



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

Tightening torque:

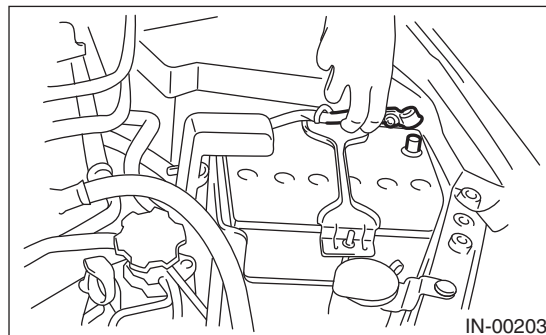
3 N·m (0.3 kgf-m, 2.2 ft-lb)



- 13) Install the under cover.

- 14) Lower the vehicle.

- 15) Connect the battery ground cable to battery.

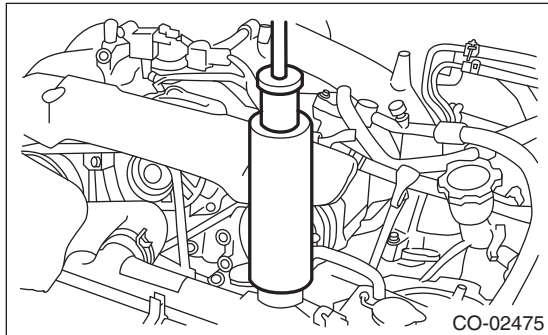


- 16) Fill engine coolant. <Ref. to CO(H4SO)-13, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

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

C: INSPECTION

1) Remove the radiator cap, fill the radiator with engine coolant, and then install the tester to the installation position of cap.



2) Apply a pressure of 157 kPa (1.6 kg/cm², 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 tester.**
- **Be careful not to deform the filler neck of radiator when installing and removing the tester.**