

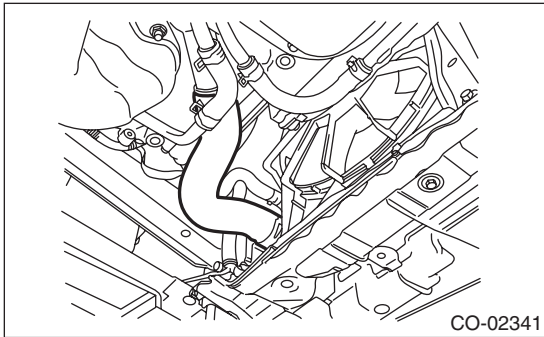
6. Radiator

A: REMOVAL

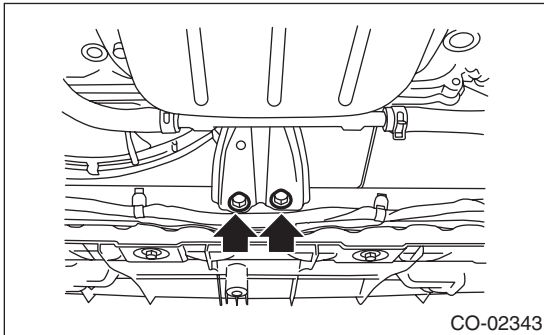
WARNING:

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

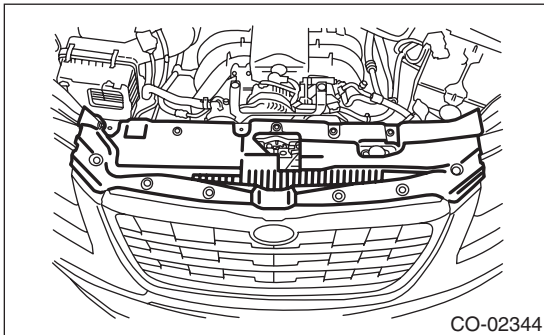
- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.
- 3) Lift up the vehicle.
- 4) Remove the under cover.
- 5) Drain engine coolant completely. <Ref. to CO(H6DO)-11, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Disconnect the radiator outlet hose from radiator.



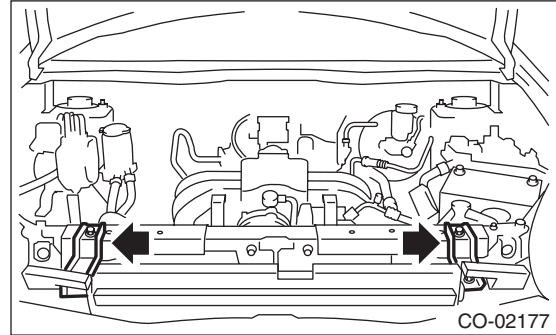
- 7) Remove the bolts on the underside of the radiator stay.



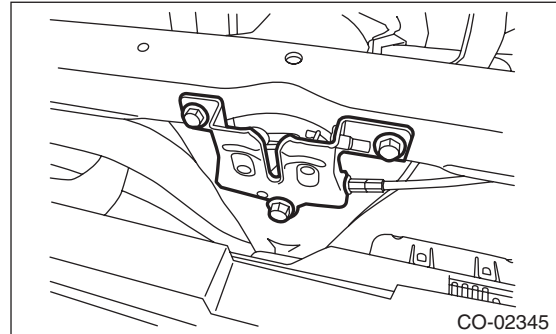
- 8) Lower the vehicle.
- 9) Remove the air intake duct. <Ref. to IN(H6DO)-8, REMOVAL, Air Intake Duct.>
- 10) Remove the front upper cover.



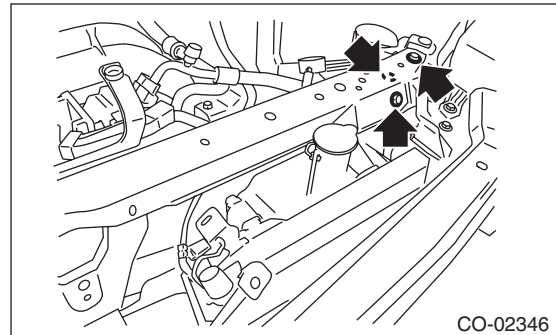
- 11) Remove the radiator upper brackets.



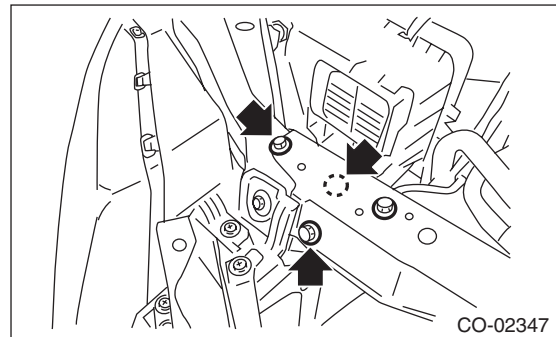
- 12) Remove the radiator stay.
 - (1) Remove the latch.



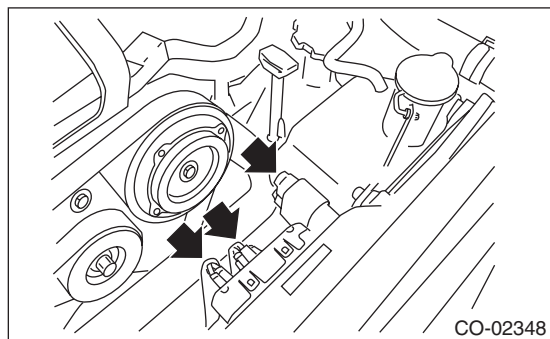
- (2) Remove the radiator hose bracket.
- (3) Remove the clip holding the harness.
- (4) Remove the bolts on the left side of the radiator stay.



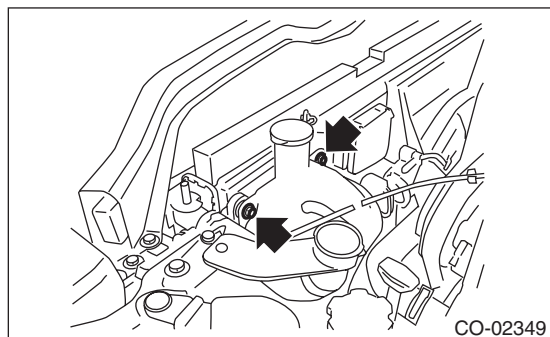
- (5) Remove the bolts on the right side of the radiator stay.



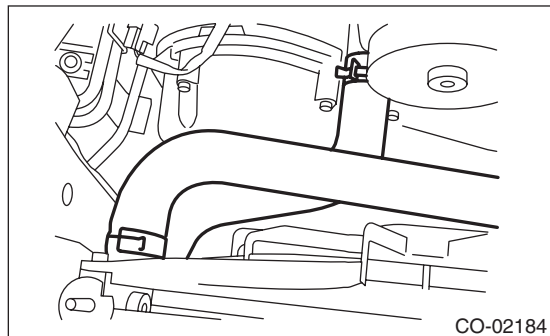
- 13) Disconnect the connector from radiator fan control unit.



- 14) Remove the reservoir tank.



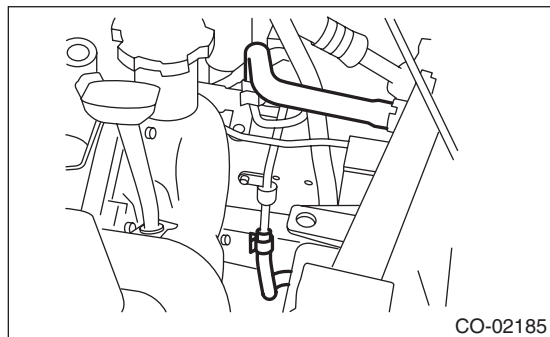
- 15) Disconnect the radiator hose from radiator.



- 16) Disconnect the ATF cooler hose from the radiator.

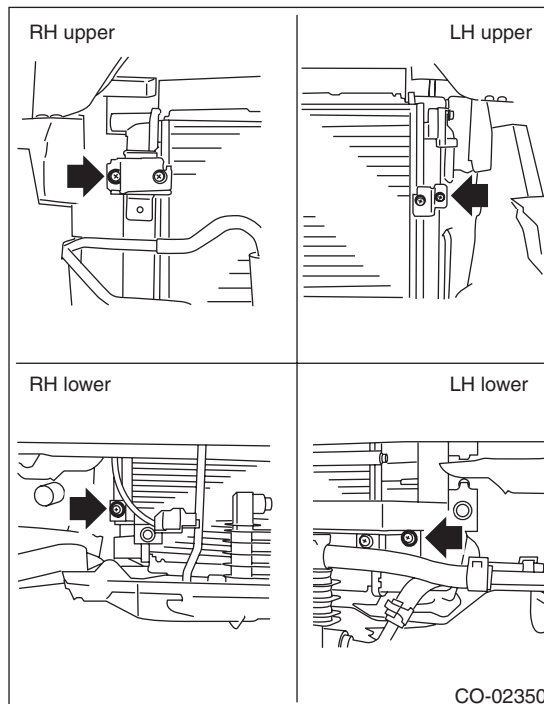
NOTE:

Plug the ATF pipe to prevent ATF leaks.

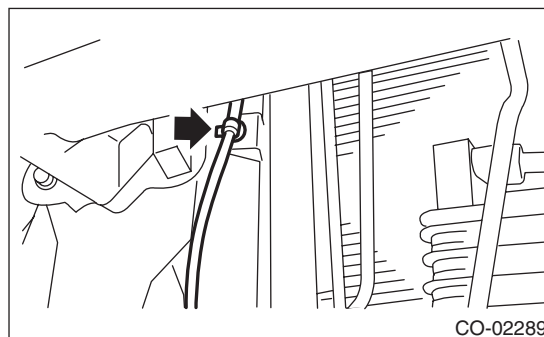


- 17) Remove the front bumper. <Ref. to EI-22, REMOVAL, Front Bumper.>

- 18) Remove the bolts which hold the radiator and condenser.



- 19) Remove the clip holding the ambient sensor harness.



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

- 21) Remove the radiator lower cushion.

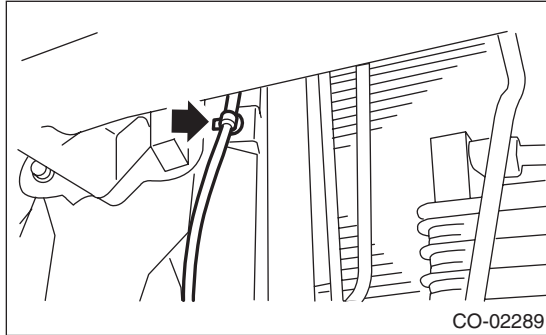
B: INSTALLATION

- 1) Install the radiator lower cushion to the vehicle.
- 2) Install the radiator to vehicle.

NOTE:

Insert the pins on the lower side of radiator into the radiator lower cushions on the vehicle side.

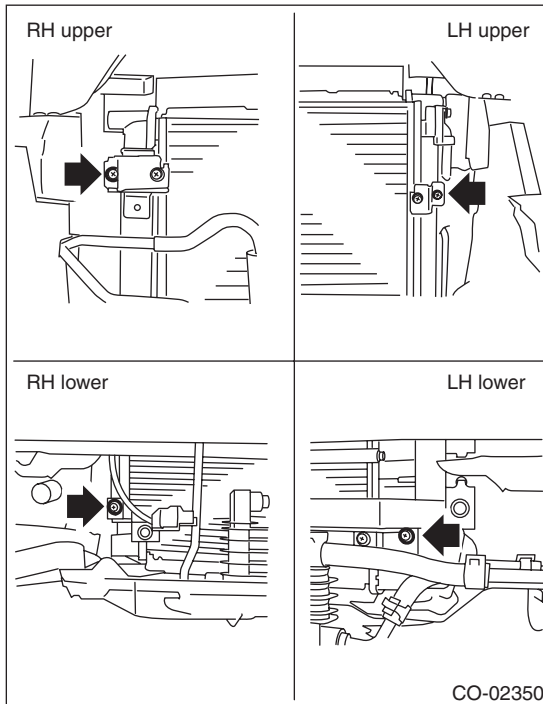
- 3) Hold the harness of the ambient sensor with a clip.



- 4) Hold the radiator and condenser with bolts.

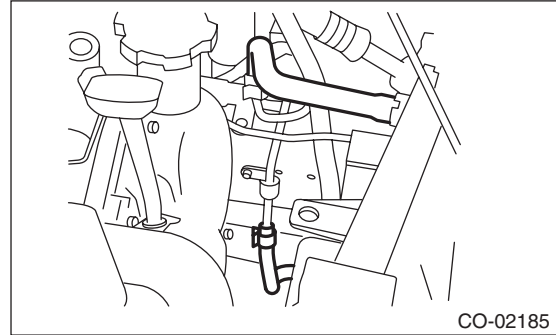
Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

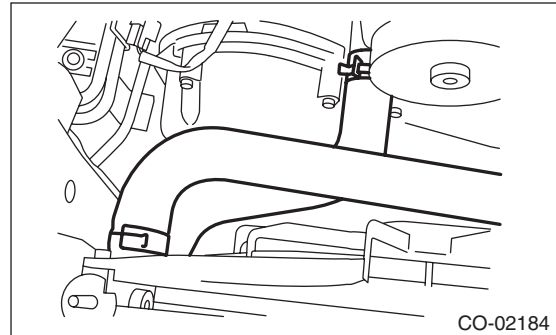


- 5) Install the front bumper. <Ref. to EI-23, INSTALLATION, Front Bumper.>

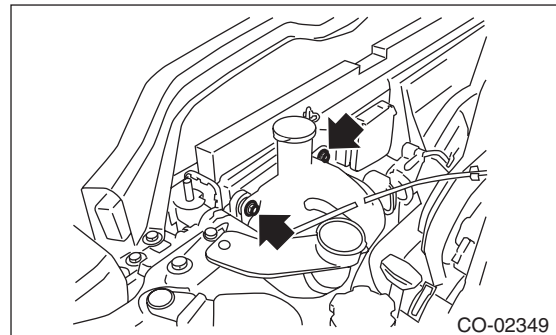
- 6) Connect the ATF cooler hoses.



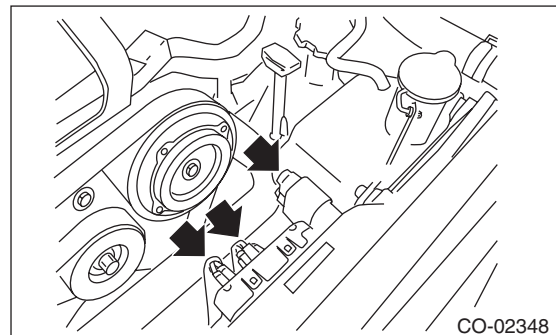
- 7) Connect the radiator hose.



- 8) Install the reservoir tank.



- 9) Connect the connector to radiator fan control unit.

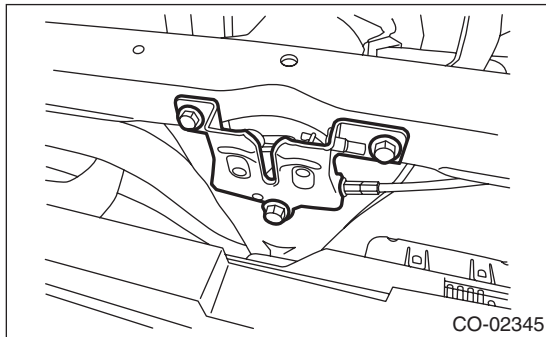


10) Install the radiator stay.

(1) Install the latch.

Tightening torque:

33 N·m (3.4 kgf-m, 24.3 ft-lb)



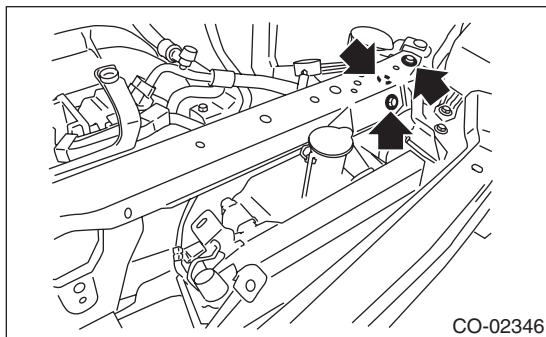
(2) Install the radiator hose bracket.

(3) Hold the harness to the radiator stay with a clip.

(4) Tighten the bolts on the left side of the radiator stay.

Tightening torque:

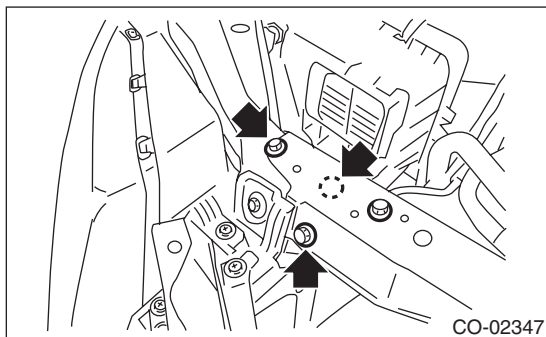
18 N·m (1.8 kgf-m, 13.3 ft-lb)



(5) Tighten the bolts on the right side of the radiator stay.

Tightening torque:

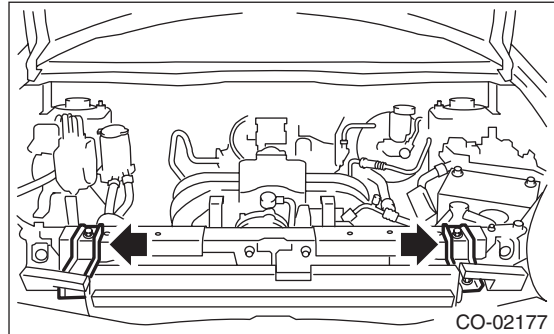
18 N·m (1.8 kgf-m, 13.3 ft-lb)



11) Install the radiator upper brackets.

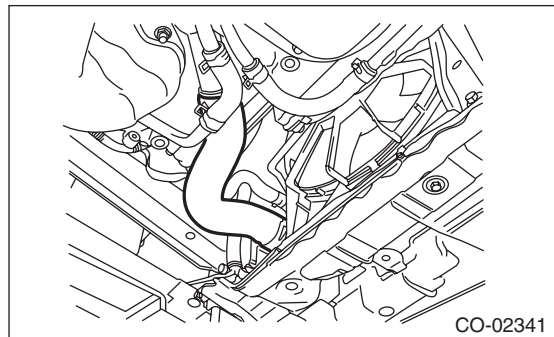
Tightening torque:

12 N·m (1.2 kgf-m, 8.9 ft-lb)



12) Lift up the vehicle.

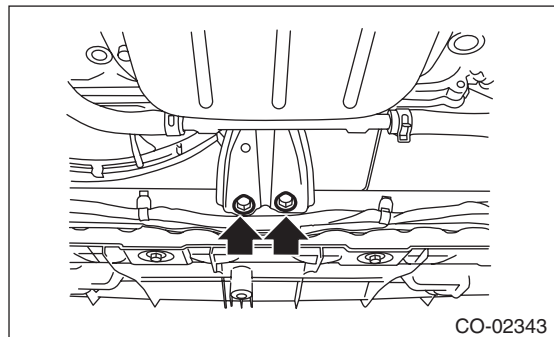
13) Connect the radiator outlet hose.



14) Tighten the bolts on the lower side of the radiator stay.

Tightening torque:

18 N·m (1.8 kgf-m, 13.3 ft-lb)



15) Install the under cover.

16) Lower the vehicle lift.

17) Connect the ground cable to battery.

18) Fill engine coolant. <Ref. to CO(H6DO)-11, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

19) Check the ATF level and replenish it if necessary. <Ref. to 5AT-29, INSPECTION, Automatic Transmission Fluid.>

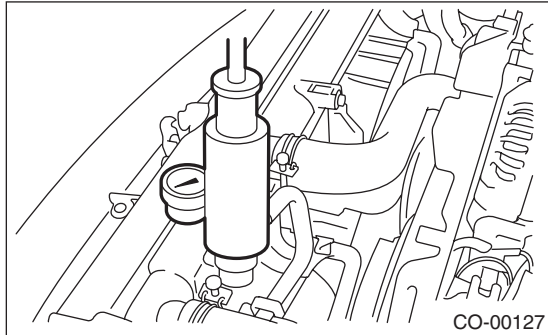
20) Install the front upper cover.

21) Install the air intake duct. <Ref. to IN(H6DO)-8, INSTALLATION, Air Intake Duct.>

22) Install the collector cover.

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 the spurt of engine coolant when removing the tester.
- Be careful not to deform the filler neck of radiator when installing and removing the tester.