

6. Radiator

A: REMOVAL

CAUTION:

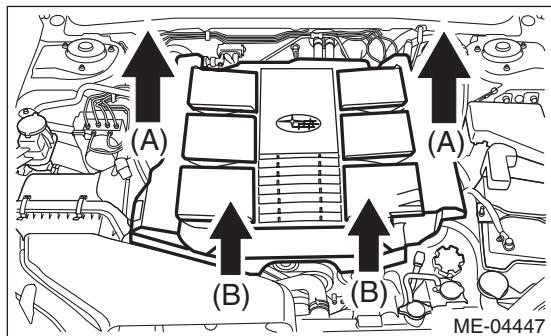
The radiator is pressurized when the engine and radiator are hot. Wait until engine and radiator cool down before working on the radiator.

1) Remove the collector cover.

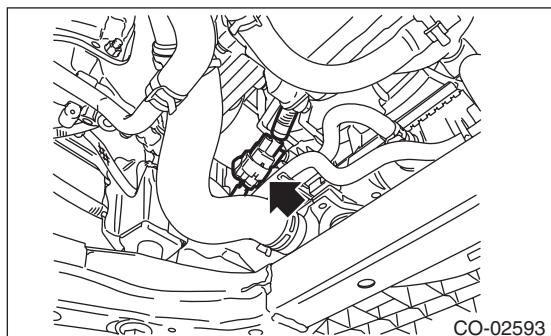
NOTE:

Follow the steps below when removing the collector cover.

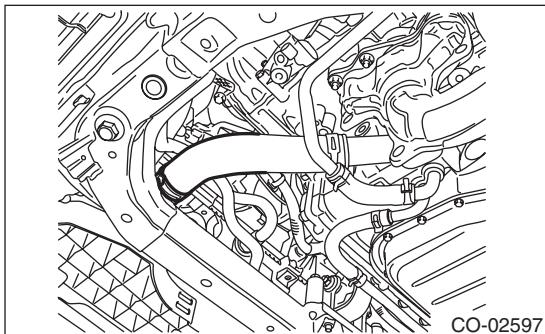
- (1) Pull up the two points at the rear (A).
- (2) Pull up the two points at the front (B) while moving them forward.



- 2) Disconnect the ground cable from battery.
- 3) Lift up the vehicle.
- 4) Remove the under cover. <Ref. to EI-35, REMOVAL, Front Under Cover.>
- 5) Drain engine coolant completely. <Ref. to CO(H6DO)-12, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Disconnect the integrated connector of radiator main fan & fan motor and radiator sub fan & fan motor.



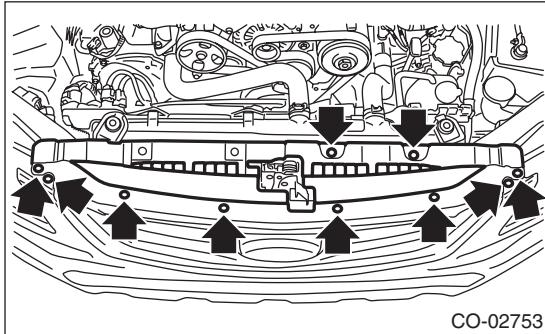
- 7) Disconnect the radiator lower hose from the radiator lower.



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

NOTE:

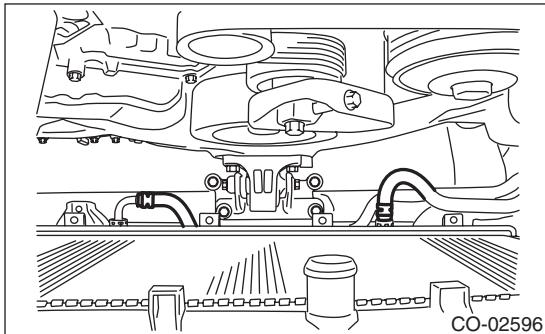
Remove ten clips when removing the grille bracket.



- 11) Remove the radiator main fan & fan motor and radiator sub fan & fan motor. <Ref. to CO(H6DO)-21, REMOVAL, Radiator Main Fan and Fan Motor.> <Ref. to CO(H6DO)-24, REMOVAL, Radiator Sub Fan and Fan Motor.>
- 12) Disconnect the ATF hoses A and B from the radiator.

NOTE:

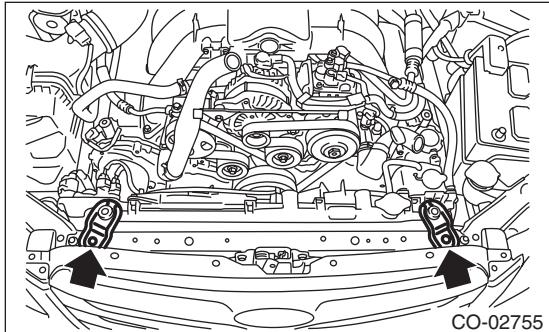
Plug the ATF hoses A and B to prevent ATF from leaking.



Radiator

COOLING

13) Remove the radiator upper brackets.



14) Lift the radiator up and away from vehicle.

15) Remove the radiator lower cushion.

B: INSTALLATION

1) Install the radiator lower cushion.

2) Install the radiator to vehicle.

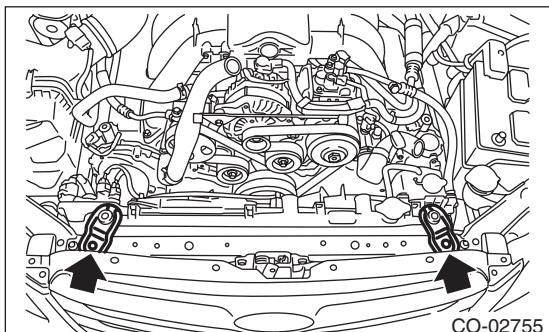
NOTE:

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

3) Install the radiator upper brackets.

Tightening torque:

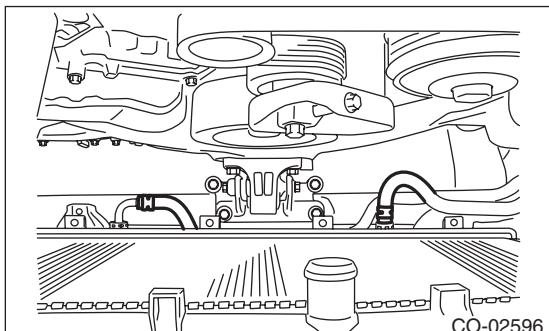
12 N·m (1.2 kgf·m, 8.9 ft·lb)



4) Connect the ATF hoses A and B.

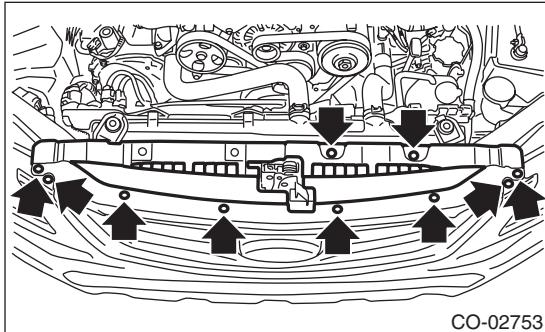
NOTE:

Use a new ATF hose.



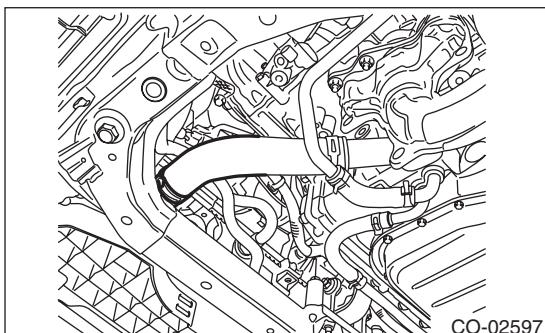
5) Install the radiator main fan & fan motor and radiator sub fan & fan motor. <Ref. to CO(H6DO)-22, INSTALLATION, Radiator Main Fan and Fan Motor. > <Ref. to CO(H6DO)-24, INSTALLATION, Radiator Sub Fan and Fan Motor. >

6) Attach the grille bracket.

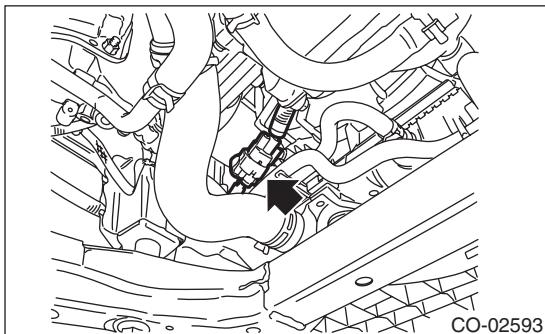


7) Lift up the vehicle.

8) Connect the radiator lower hose to the radiator lower.



9) Connect the integrated connector of radiator main fan & fan motor and radiator sub fan & fan motor.



10) Install the under cover. <Ref. to EI-35, INSTALLATION, Front Under Cover. >

11) Lower the vehicle.

12) Connect the battery ground terminal.

13) Fill engine coolant. <Ref. to CO(H6DO)-12, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant. >

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

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

16) Install the collector cover.

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/cm², 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 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.**