

RADIATOR

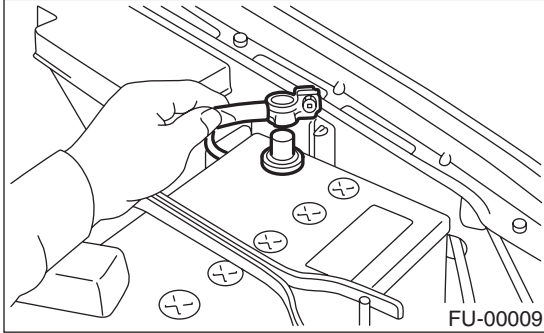
COOLING

6. Radiator

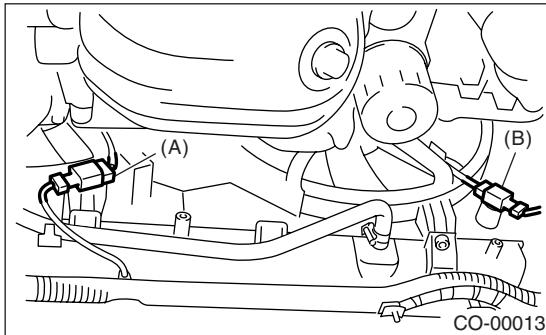
A: REMOVAL

1. NON-TURBO MODEL

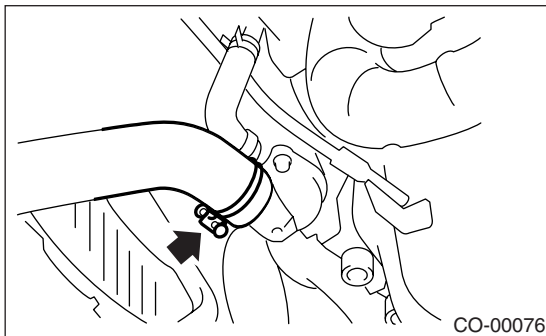
- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from battery.



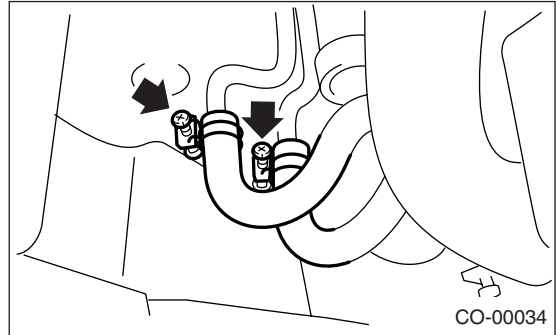
- 3) Lift-up the vehicle.
- 4) Remove the under cover.
- 5) Drain the engine coolant completely. <Ref. to CO(H4SO)-17, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Disconnect the connectors of radiator main fan motor (A) and sub fan motor (B).



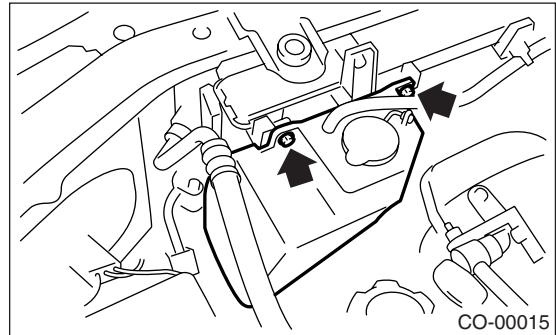
- 7) Disconnect the radiator outlet hose from water pump.



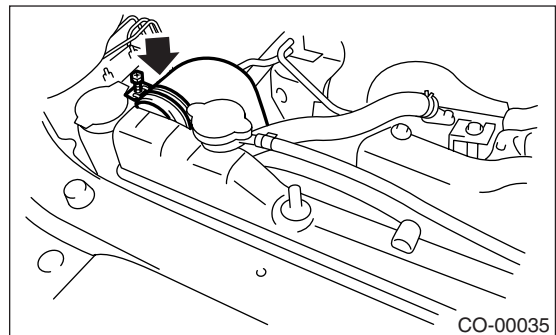
- 8) Disconnect the ATF cooler hoses from ATF pipe. (AT model)
Cap the hose and pipe ends to prevent ATF from leaking.



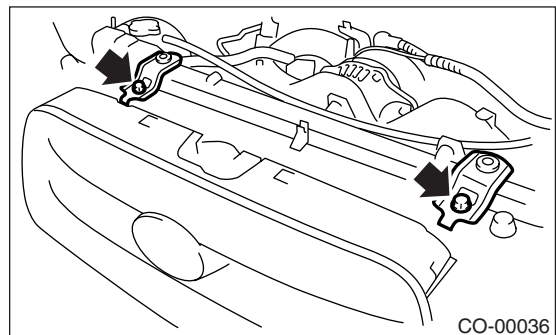
- 9) Lower the vehicle.
- 10) Disconnect the overflow hose.
- 11) Remove the reservoir tank. <Ref. to CO(H4SO)-40, REMOVAL, Reservoir Tank.>



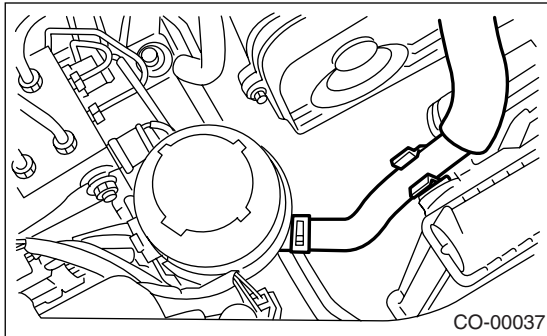
- 12) Disconnect the radiator inlet hose from radiator.



- 13) Remove the radiator upper brackets.



- 14) Disconnect the power steering hose from clip on radiator.



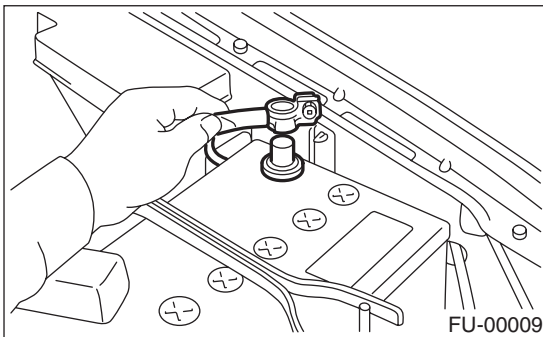
- 15) Lift the radiator up and away from the vehicle.

2. TURBO MODEL

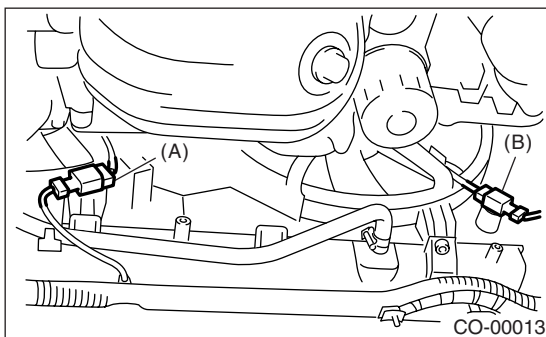
WARNING:

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

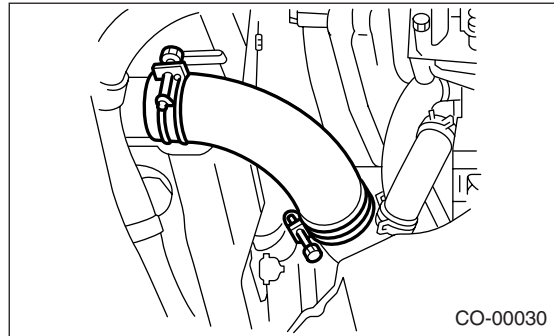
- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from battery.



- 3) Lift-up the vehicle.
- 4) Remove the under cover.
- 5) Drain the engine coolant completely. <Ref. to CO(H4SO)-17, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Disconnect the connectors of radiator main fan motor (A) and sub fan motor (B).



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

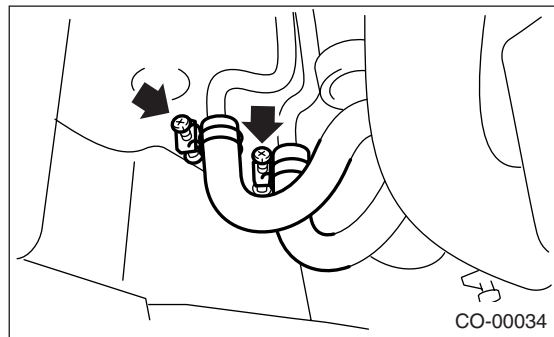


- 8) Disconnect the ATF cooler hose from ATF pipe. (AT model)

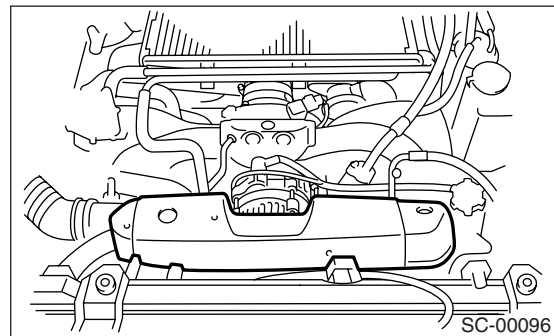
Plug the openings in the hose and radiator with caps in order to prevent ATF from leaking.

- 9) Disconnect the oil cooler hose from oil cooler pipe. (MT model)

Install the cap to prevent oil from leaking.



- 10) Lower the vehicle.
- 11) Remove the V-belt covers.

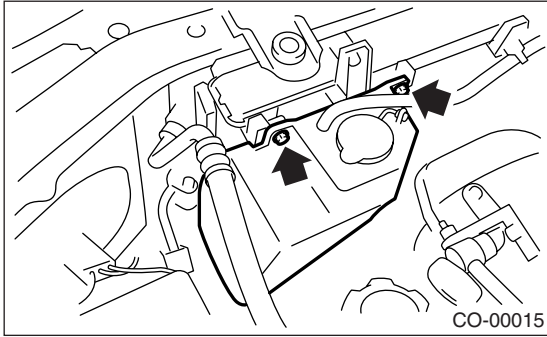


- 12) Disconnect the overflow hose.

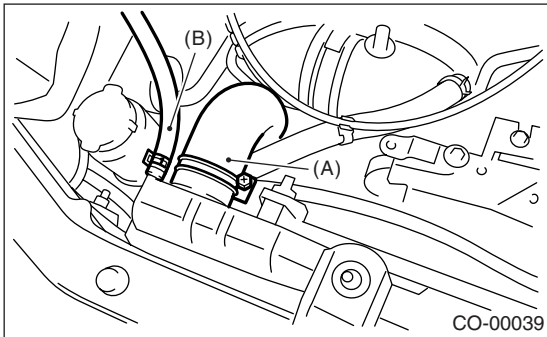
RADIATOR

COOLING

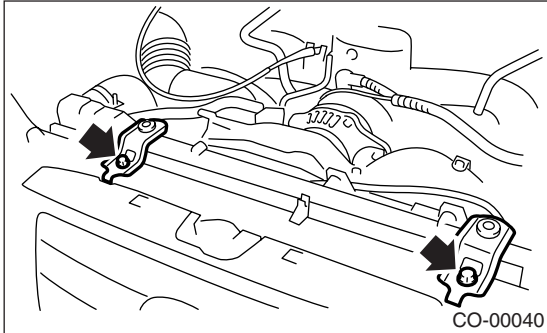
13) Remove the reservoir tank. <Ref. to CO(H4SO)-40, REMOVAL, Reservoir Tank.>



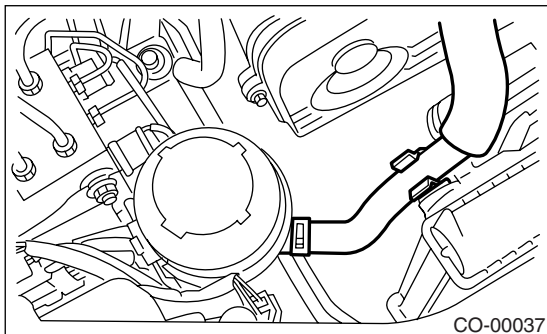
14) Disconnect the radiator inlet hose (A) and water tank hose (B) from radiator.



15) Remove the radiator upper brackets.

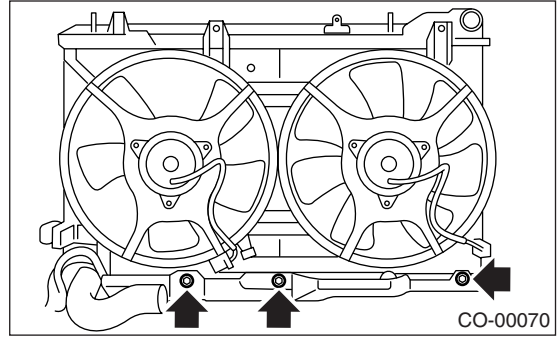


16) Disconnect the power steering hose from clips on radiator.



17) Lift the radiator up and away from the vehicle.

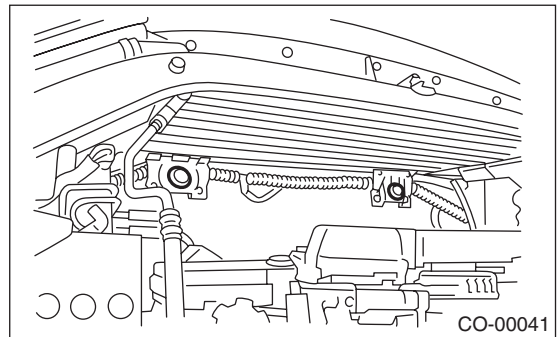
18) Remove the radiator under cover (AT model).



B: INSTALLATION

1. NON-TURBO MODEL

1) Attach the radiator lower cushions to holes on the vehicle.



2) Install the radiator to vehicle.

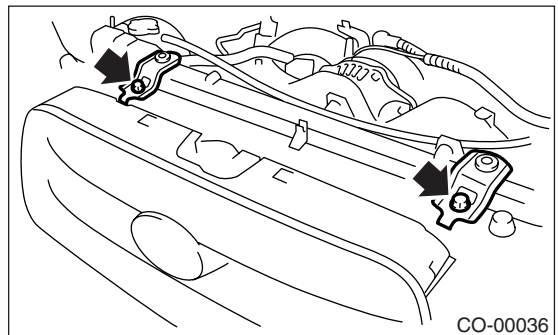
NOTE:

Fit pins on the lower side of radiator into cushions on the body side.

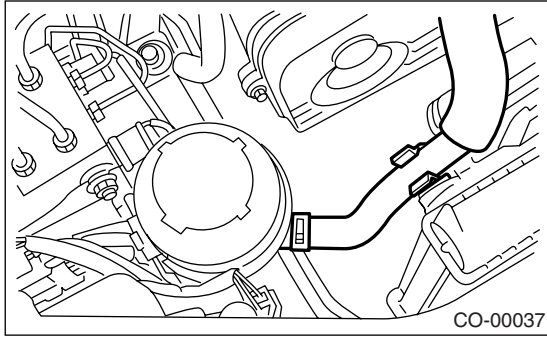
3) Install the radiator upper brackets and tighten bolts.

Tightening torque:

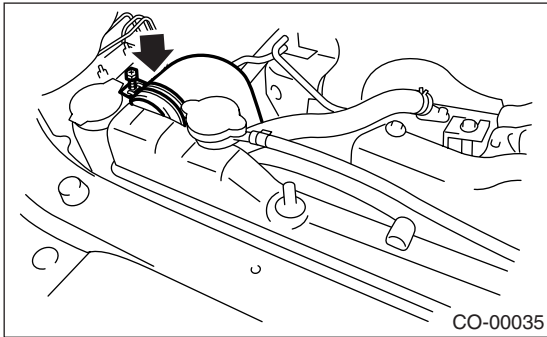
18 N·m (1.8 kgf·m, 13.0 ft·lb)



4) Connect the power steering hose to radiator.

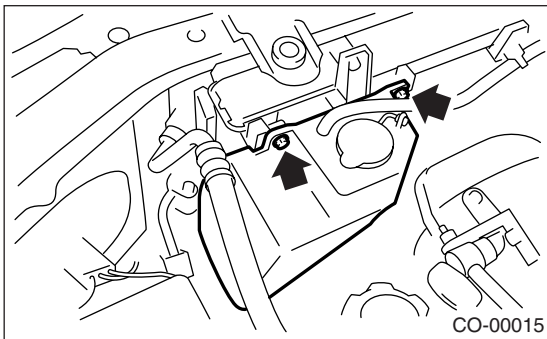


5) Connect the radiator inlet hose.



6) Install the reservoir tank.

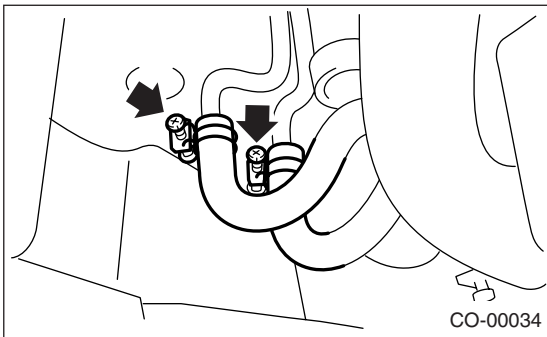
Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)



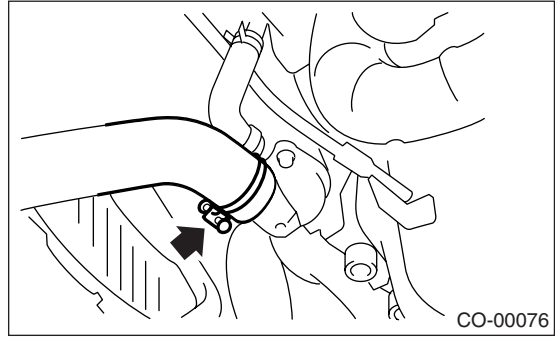
7) Connect the overflow hose.

8) Lift-up the vehicle.

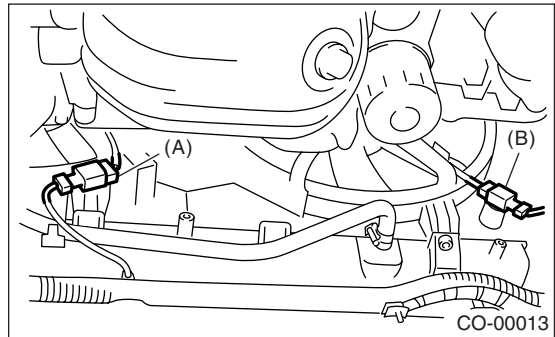
9) Connect the ATF cooler hoses. (AT model)



10) Connect the radiator outlet hose.



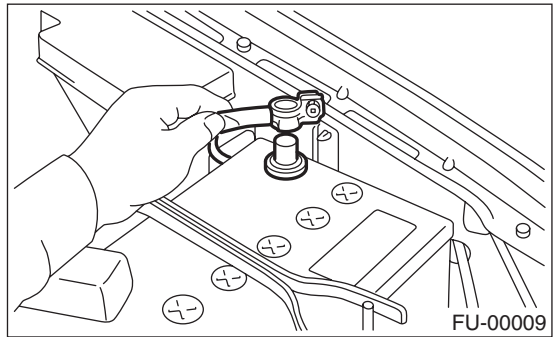
11) Connect the connectors to radiator main fan motor (A) and sub fan motor (B).



12) Install the under cover.

13) Lower the vehicle.

14) Connect the battery ground cable to battery.



15) Fill engine coolant. <Ref. to CO(H4SO)-17, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

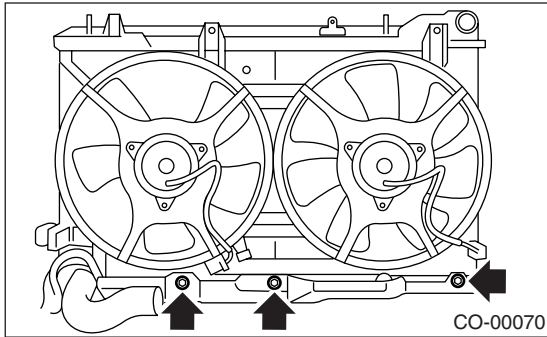
16) Check the ATF level. <Ref. to 4AT-29, INSPECTION, Automatic Transmission Fluid.>

RADIATOR

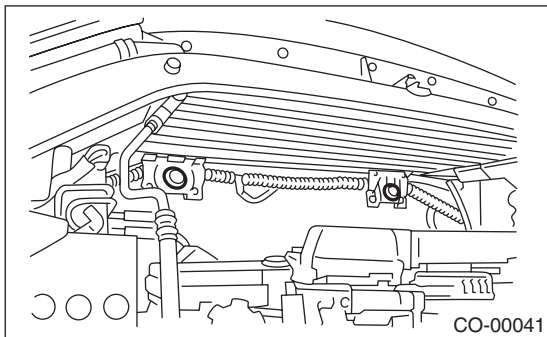
COOLING

2. TURBO MODEL

1) Install the radiator under cover to radiator.



2) Attach the radiator lower cushions to holes on the vehicle.



3) Install the radiator to vehicle.

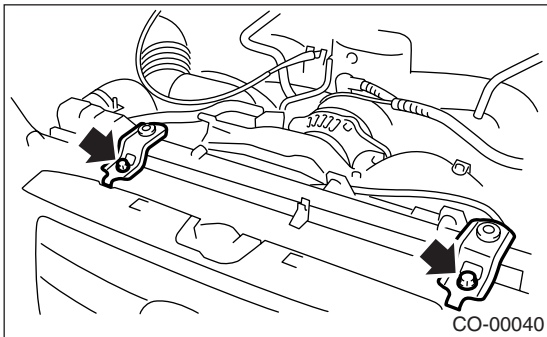
NOTE:

Fit pins on the lower side of radiator into cushions on body side.

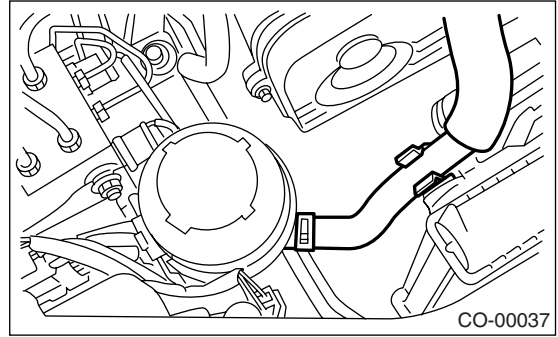
4) Install the radiator upper brackets, and then tighten the bolts.

Tightening torque:

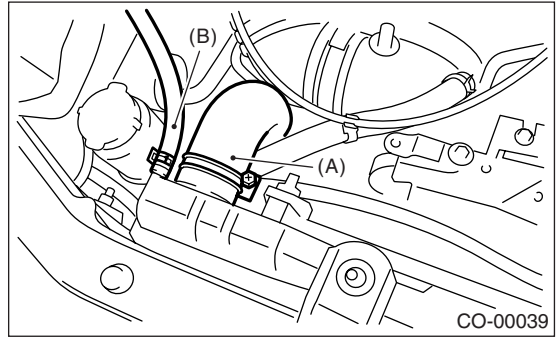
18 N·m (1.8 kgf·m, 13.0 ft·lb)



5) Connect the power steering hose to radiator.



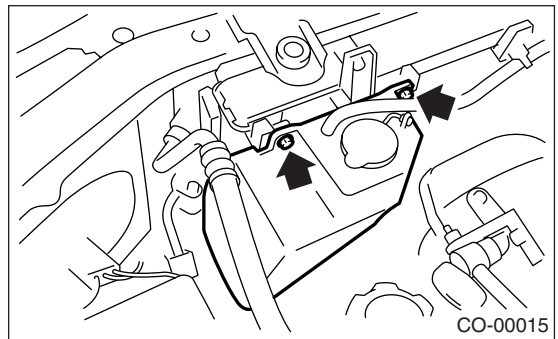
6) Connect the radiator inlet hose (A) and water tank hose (B).



7) Install the reservoir tank.

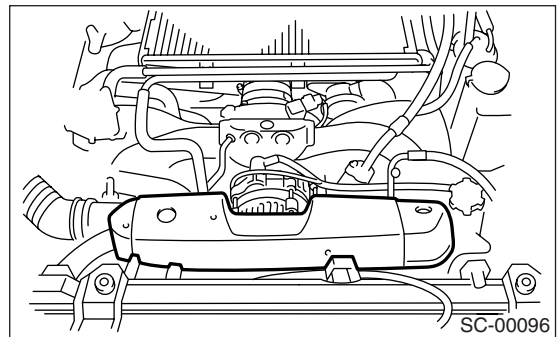
Tightening torque:

4.9 N·m (0.50 kgf·m, 3.6 ft·lb)



8) Connect the overflow hose.

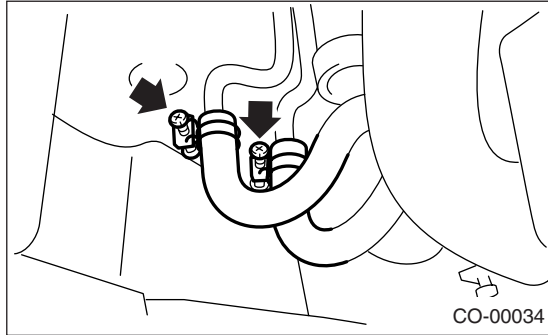
9) Install the V-belt cover.



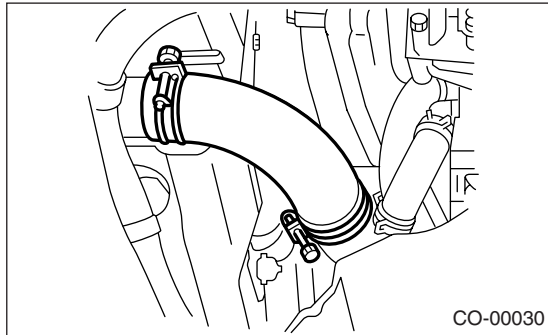
10) Lift-up the vehicle.

11) Connect the ATF cooler hoses. (AT model).

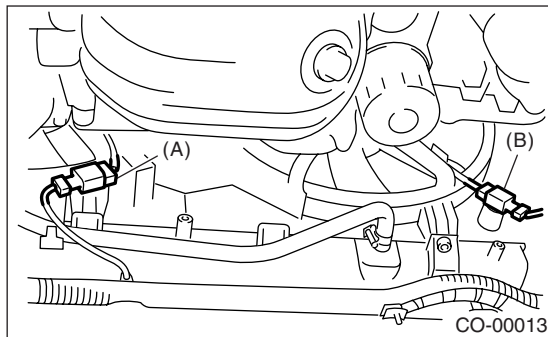
12) Connect the oil cooler hose. (MT model)



13) Connect the radiator outlet hose.



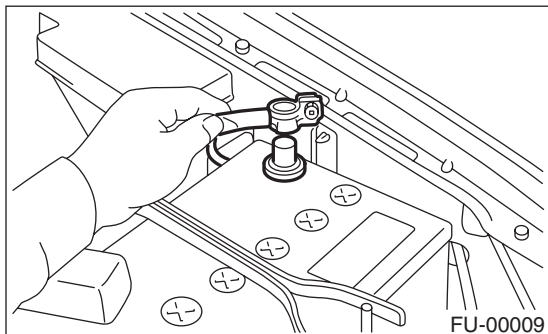
14) Connect the connectors to radiator main fan motor (A) and sub fan motor (B).



15) Install the under cover.

16) Lower the vehicle.

17) Connect the battery ground cable to battery.



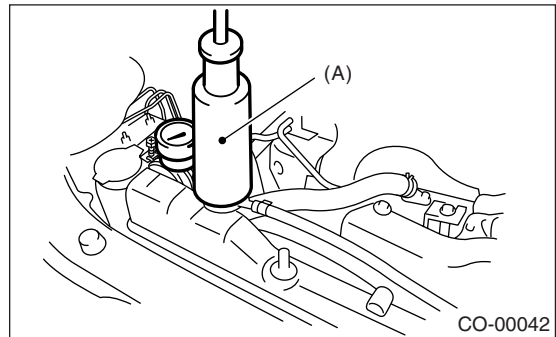
18) Fill engine coolant. <Ref. to CO(H4SO)-17, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

19) Check the ATF level. <Ref. to 4AT-29, INSPECTION, Automatic Transmission Fluid.>

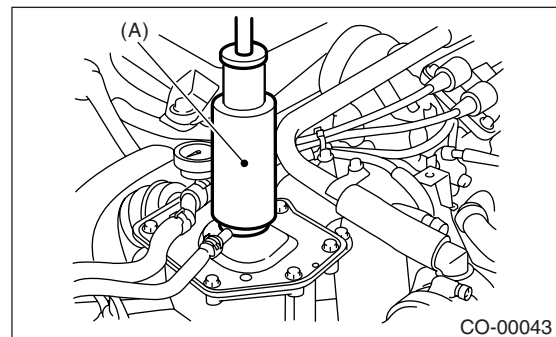
C: INSPECTION

1) Remove the radiator cap, top off radiator, and then attach the tester to radiator in place of cap.

- NON-TURBO MODEL



- TURBO MODEL



2) Apply a pressure of 157 kPa (1.6 kg/cm², 23 psi) to the radiator to check if:

- (1) Engine coolant leaks at/around radiator.
- (2) Engine coolant leaks at/around hoses or connections.

CAUTION:

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