

RADIATOR

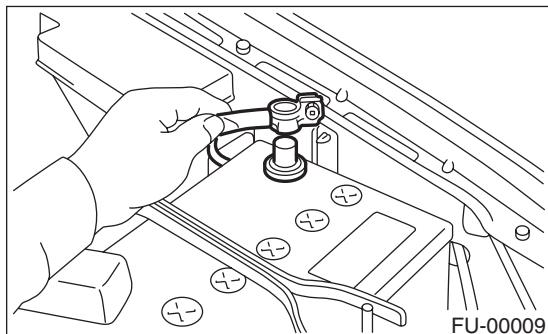
COOLING

7. Radiator

A: REMOVAL

1. NON-TURBO MODEL

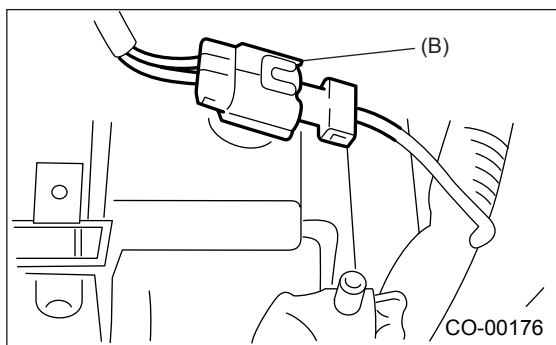
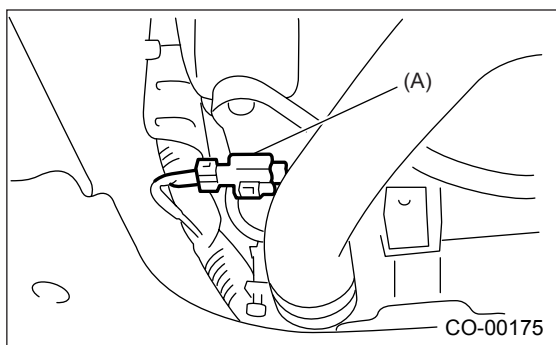
1) Disconnect the battery ground cable.



2) Lift-up the vehicle.

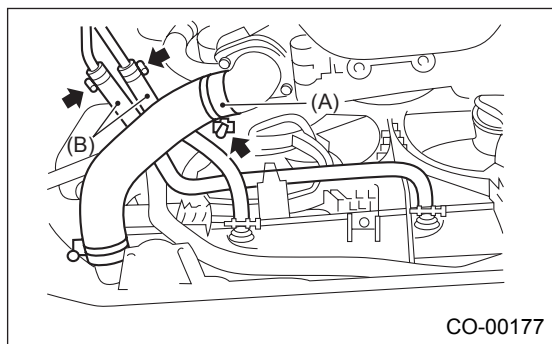
3) Drain engine coolant completely. <Ref. to CO(H4SO)-29, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

4) Disconnect the connectors of radiator main fan (A) and sub fan (B) motor.



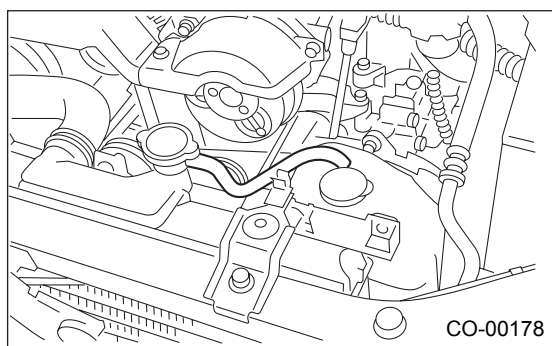
5) Disconnect the radiator outlet hose (A) from thermostat cover.

6) Disconnect the ATF cooler hoses (B) from the radiator. (AT vehicles only)

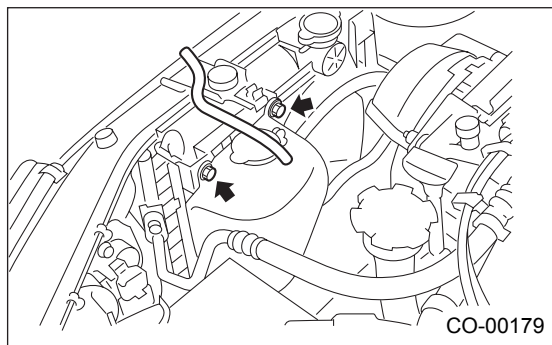


7) Lower the vehicle.

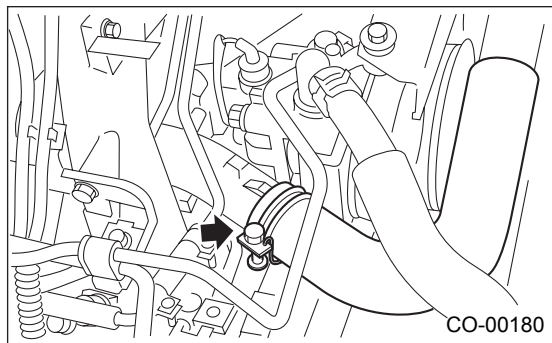
8) Disconnect the over flow hose.



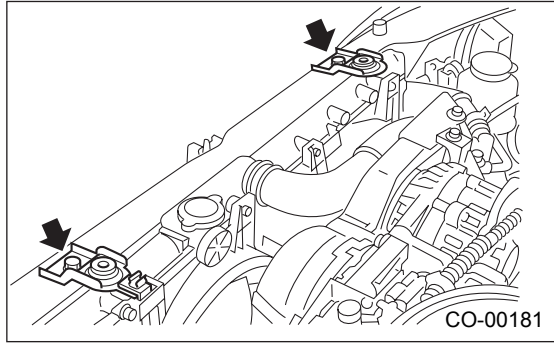
9) Remove the reservoir tank.



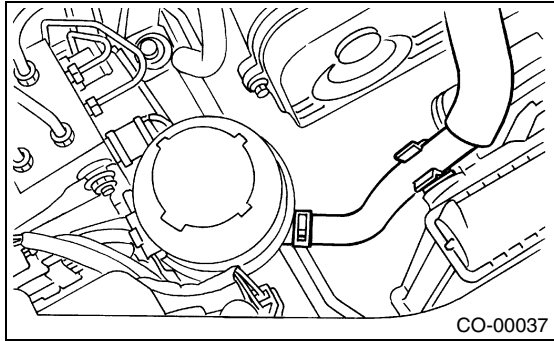
10) Disconnect the radiator inlet hose from the engine.



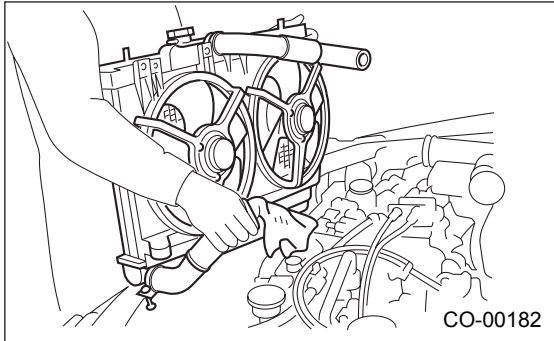
- 11) Remove the radiator upper brackets.



- 12) Detach the power steering hose from the the clip on the radiator.



- 13) While slightly lifting radiator, slide it to left.
14) Lift the radiator up and away from the vehicle.

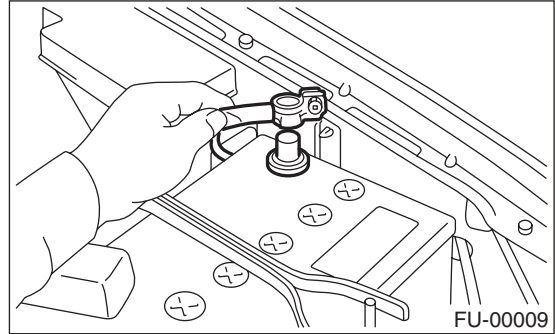


2. TURBO MODEL

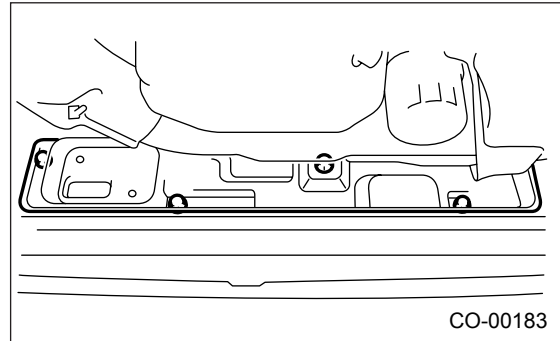
WARNING:

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

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



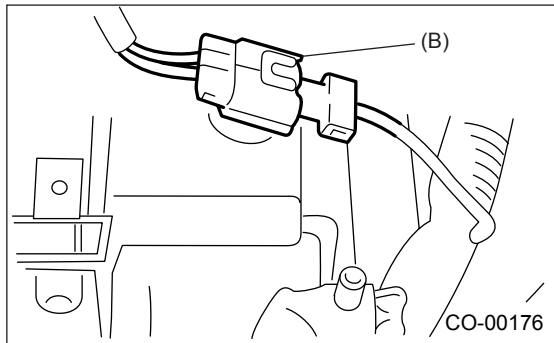
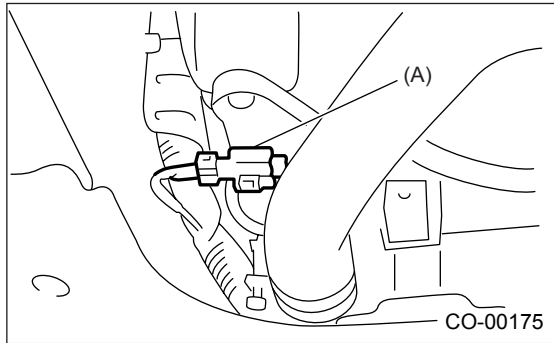
- 3) Lift-up the vehicle.
- 4) Remove the under cover.
- 5) Drain the engine coolant completely. <Ref. to CO(H4SO)-29, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Remove the radiator under cover. (AT vehicles only)



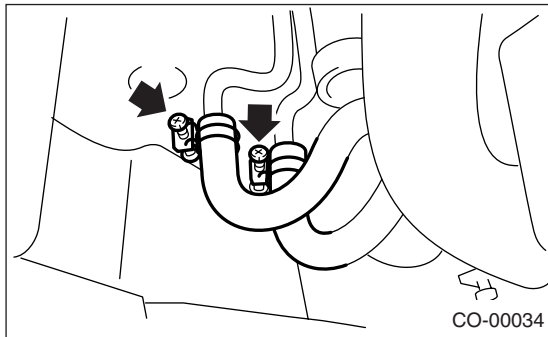
RADIATOR

COOLING

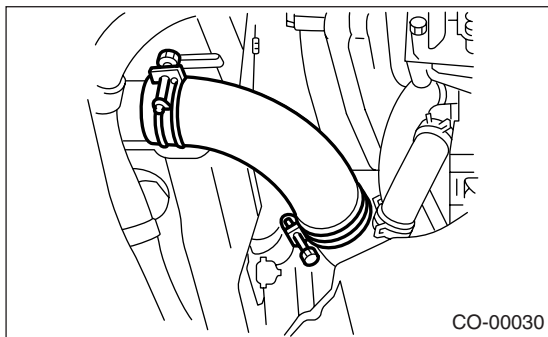
7) Disconnect the connectors of radiator main fan (A) and sub fan motor (B).



8) Disconnect the ATF cooler hoses from the radiator. (AT vehicles only)

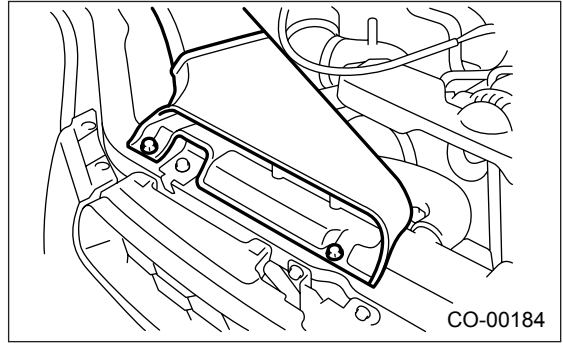


9) Disconnect the radiator outlet hose from the thermostat cover.



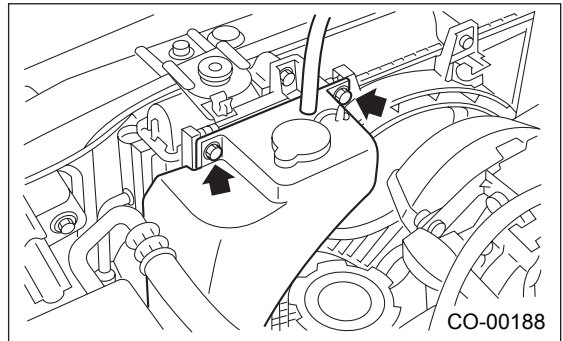
10) Lower the vehicle.

11) Remove the air intake duct.

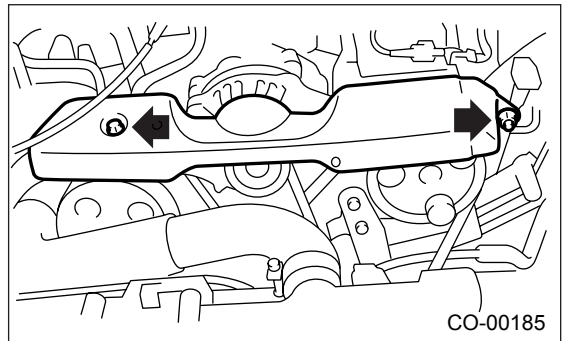


12) Disconnect the over flow hose.

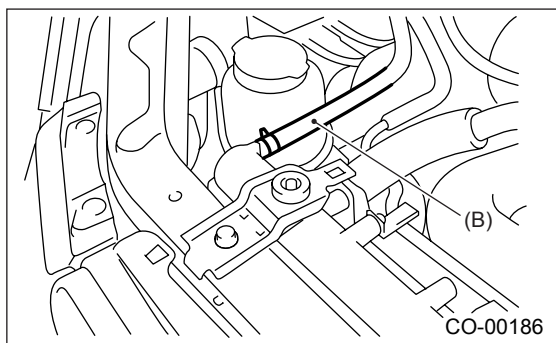
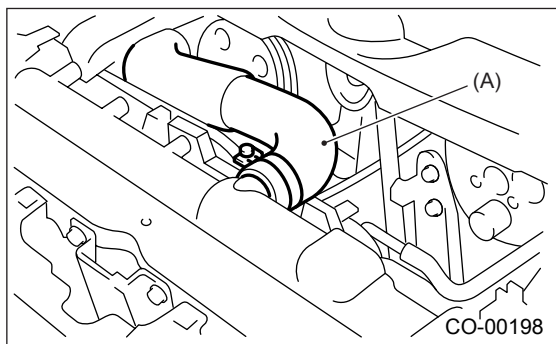
13) Remove the reservoir tank.



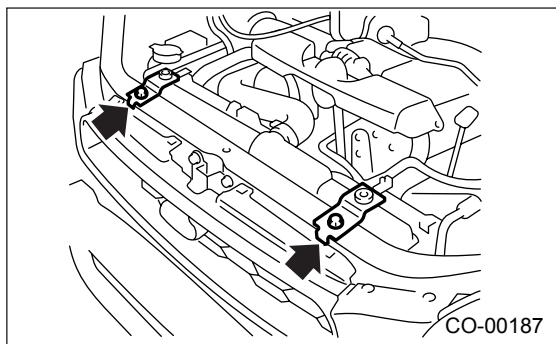
14) Remove the V-belt covers.



- 15) Disconnect the radiator inlet hose (A) and coolant filler tank hose (B) from the radiator.



- 16) Remove the radiator upper brackets.



- 17) While slightly lifting radiator, slide it to left.
18) Lift the radiator up and away from the vehicle.

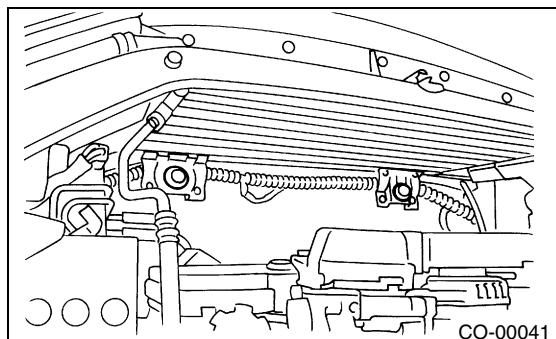
RADIATOR

COOLING

B: INSTALLATION

1. NON-TURBO MODEL

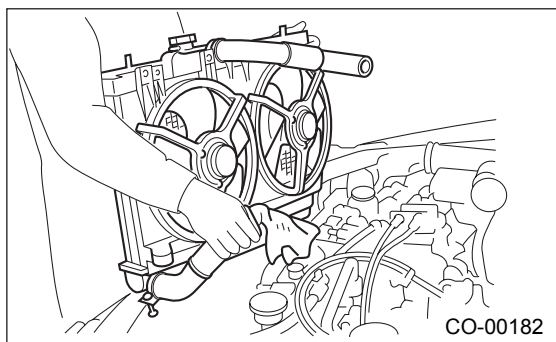
1) Attach the radiator mounting cushions to holes on the vehicle.



2) Install the radiator while fitting radiator pins to cushions.

NOTE:

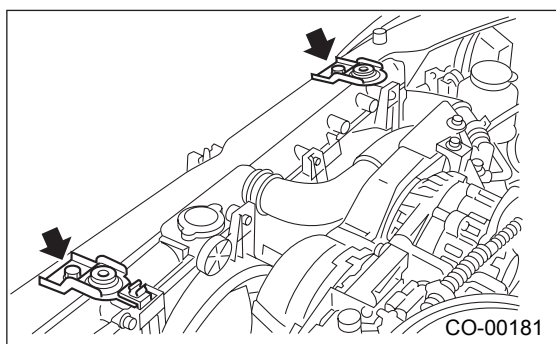
Fit pins on lower side of radiator into cushions on body side.



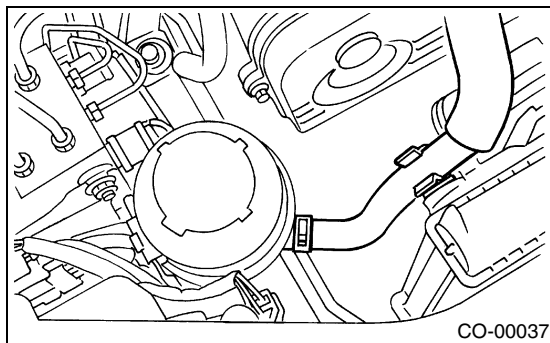
3) Install the radiator brackets and tighten the bolts.

Tightening torque:

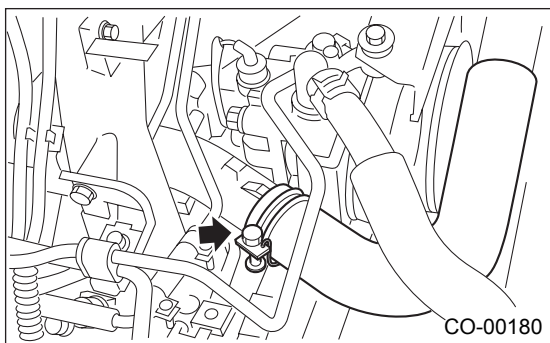
18 N·m (1.8 kgf-m, 13.0 ft-lb)



4) Attach the power steering hose to the radiator.



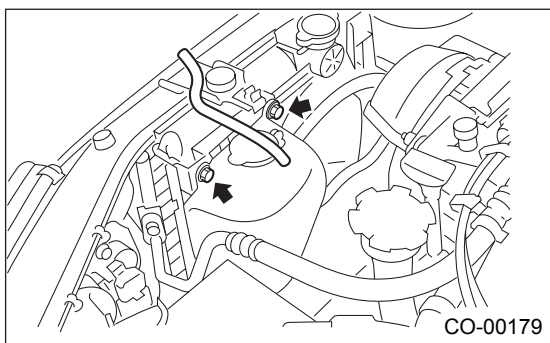
5) Connect the radiator inlet hose.



6) Install the reservoir tank.

Tightening torque:

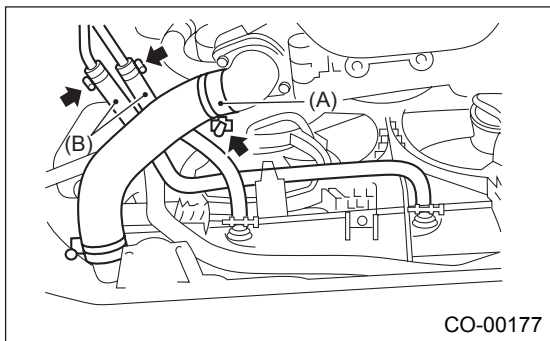
4.9 N·m (0.50 kgf-m, 3.6 ft-lb)



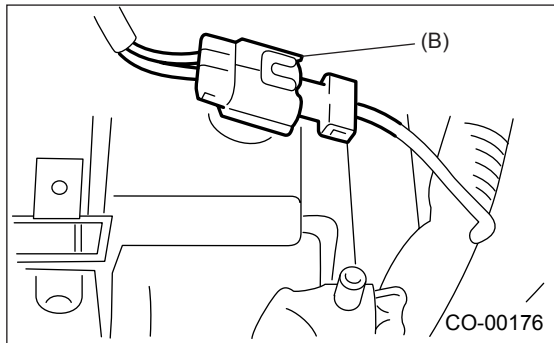
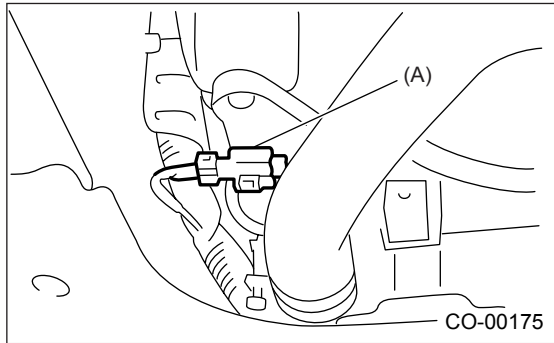
7) Lift-up the vehicle.

8) Connect the radiator outlet hose (A).

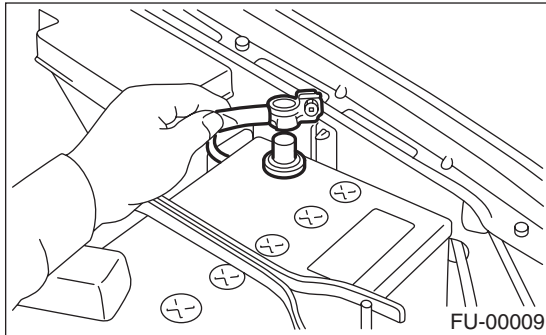
9) Connect the ATF cooler hoses (B). (AT vehicles only)



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



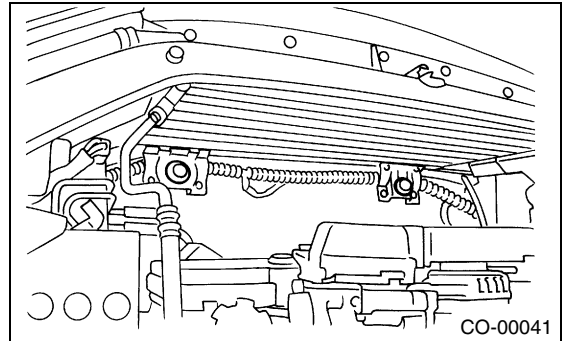
- 11) Install the under cover.
12) Lower the vehicle.
13) Connect the battery ground cable.



- 14) Fill coolant. <Ref. to CO(H4SO)-29, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
15) Check ATF level. <Ref. to AT-30, INSPECTION, ATF.>

2. TURBO MODEL

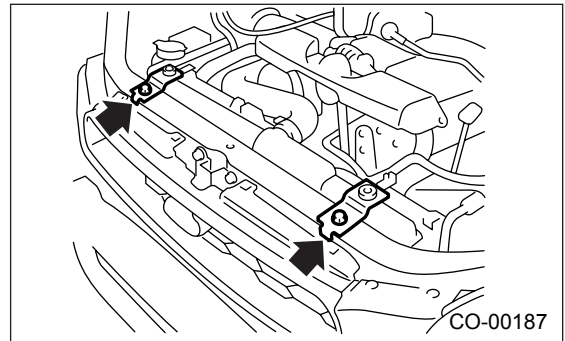
- 1) Attach the radiator mounting cushions to holes on the vehicle.



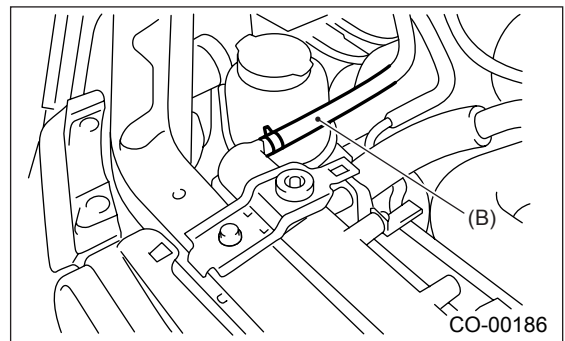
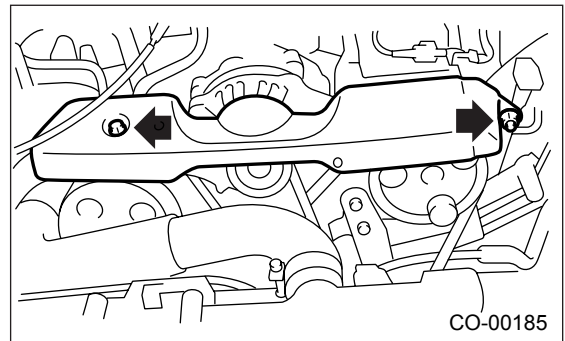
- 2) Install the radiator brackets and tighten bolts.

Tightening torque:

18 N·m (1.8 kgf-m, 13.0 ft-lb)



- 3) Connect the radiator inlet hose (A) and coolant filler tank hose (B).



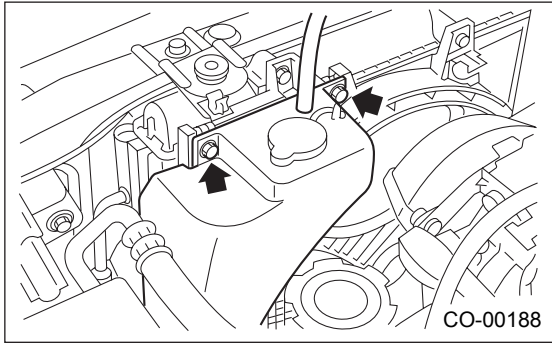
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4) Install the reservoir tank.

Tightening torque:

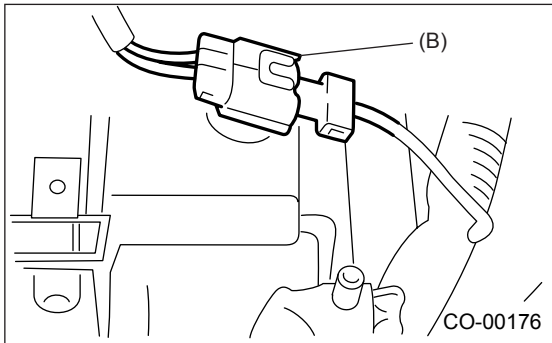
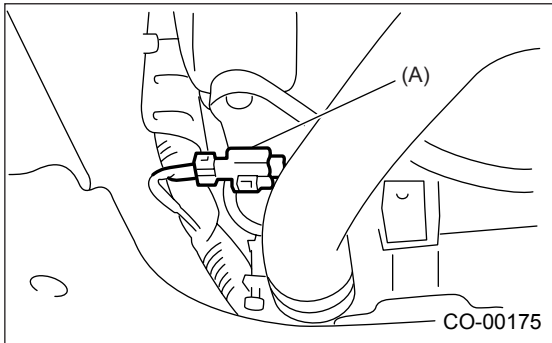
4.9 N·m (0.50 kgf-m, 3.6 ft-lb)



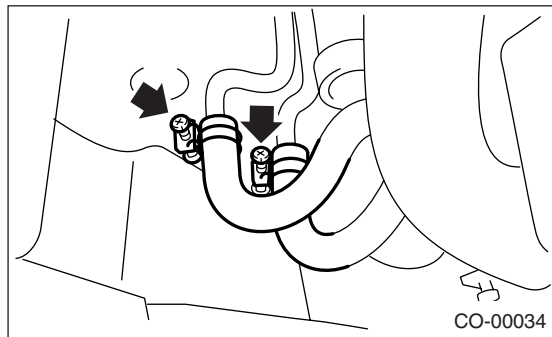
5) Connect the over flow hose.

6) Lift-up the vehicle.

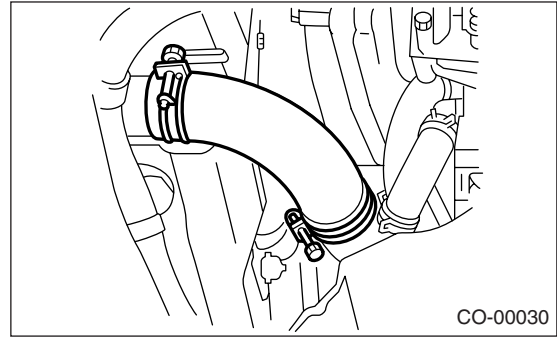
7) Connect the connectors to the radiator main fan motor(A) and sub fan motor(B).



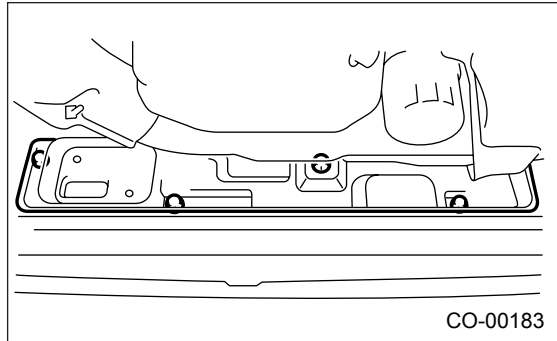
8) Connect the ATF cooler hoses. (AT vehicles only)



9) Connect the radiator outlet hose.



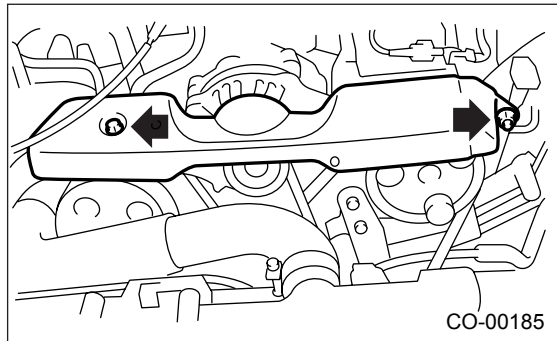
10) Install the radiator under cover. (AT vehicle only)



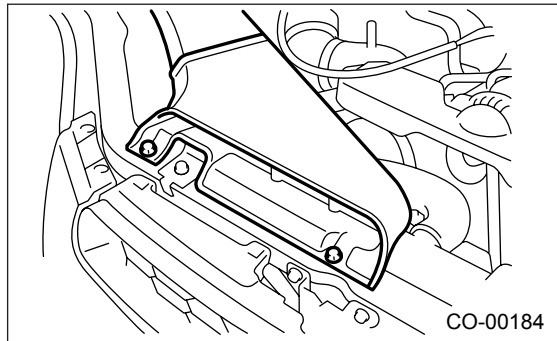
11) Install the under cover.

12) Lower the vehicle.

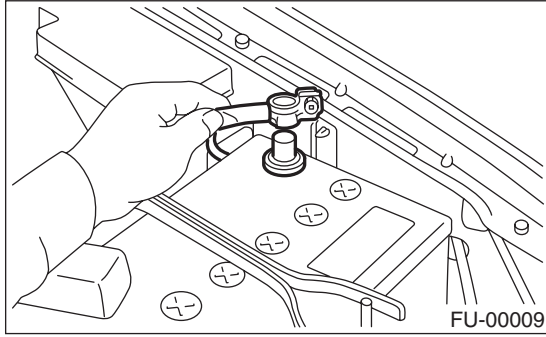
13) Install the V-belt covers.



14) Install the air intake duct.



15) Connect the battery ground cable.

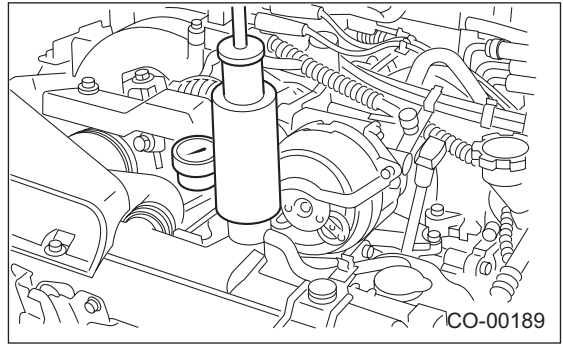


16) Fill coolant. <Ref. to CO(H4SO)-29, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

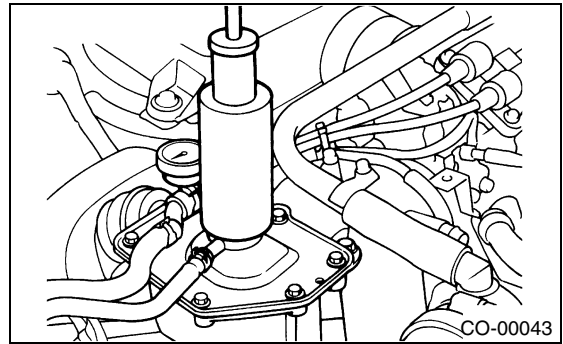
C: INSPECTION

1) Remove the radiator cap, top off radiator, and attach tester to the 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 tester.
- Be careful also not to deform filler neck of radiator when installing or removing tester.