

# Radiator Main Fan and Fan Motor

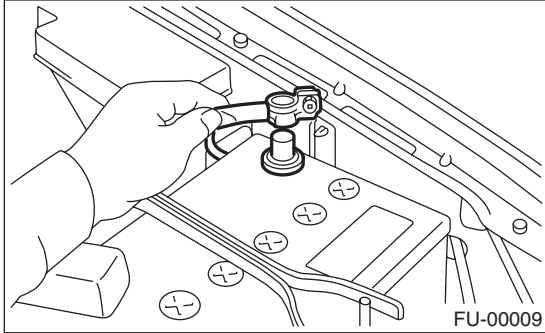
## COOLING

### 8. Radiator Main Fan and Fan Motor

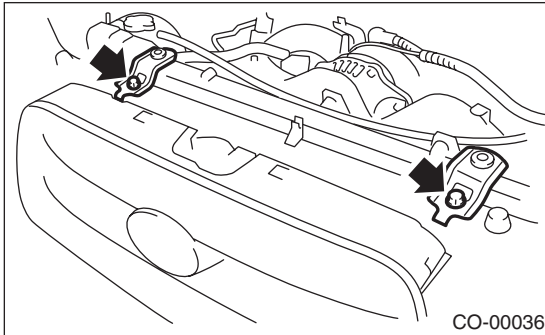
#### A: REMOVAL

##### 1. NON-TURBO MODEL

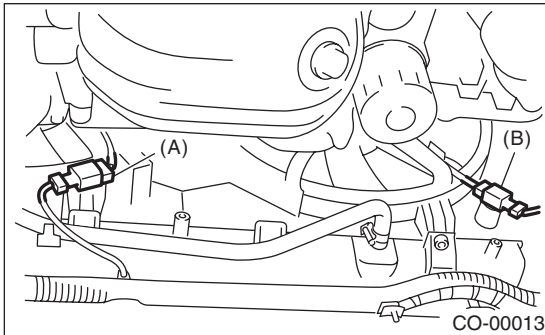
- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from the battery.



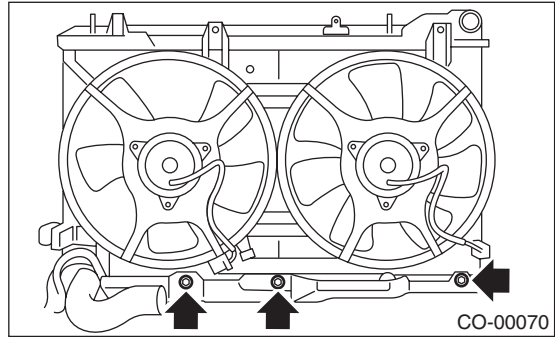
- 3) Remove the radiator upper brackets. (AT model)



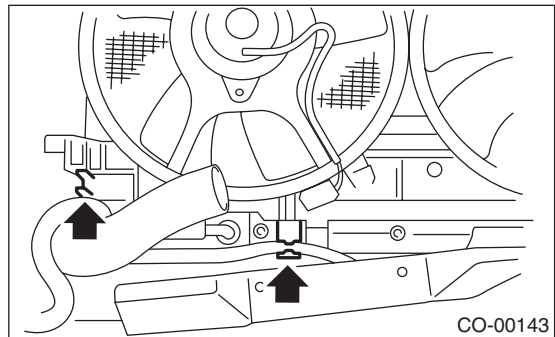
- 4) Lift-up the vehicle.
- 5) Remove the under cover.
- 6) Drain approximately 1  $\varnothing$  (1.06 US qt, 0.88 Imp qt) of engine coolant. <Ref. to CO(H4SO)-18, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 7) Disconnect the connectors of main fan motor (A) and sub fan motor (B).



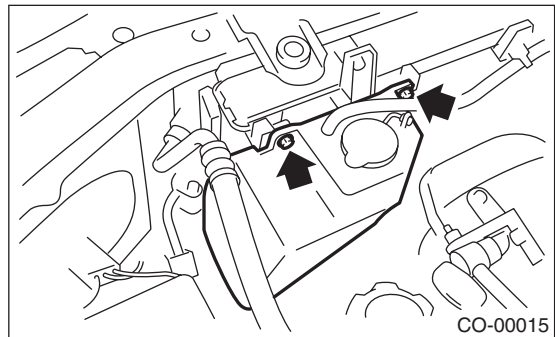
- 8) Remove the radiator under cover attaching bolts. (AT model)



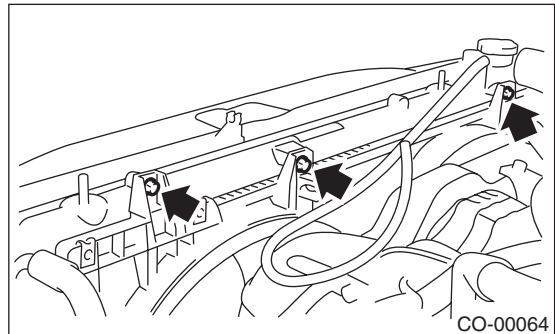
- 9) Lift the radiator outlet hose and float the radiator from the radiator under cover. Remove the ATF hose from 2 places on the clip of radiator fan motor assembly. (AT model)



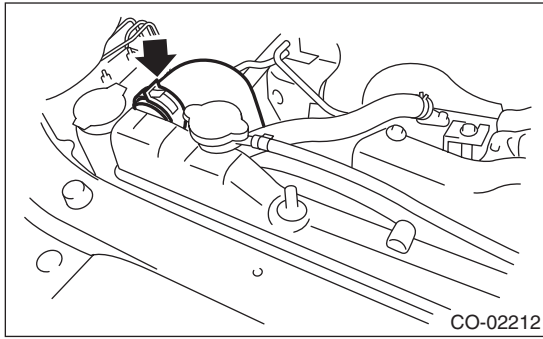
- 10) Lower the vehicle.
- 11) Remove the V-belt covers.
- 12) Disconnect the over flow hose.
- 13) Remove the reservoir tank.



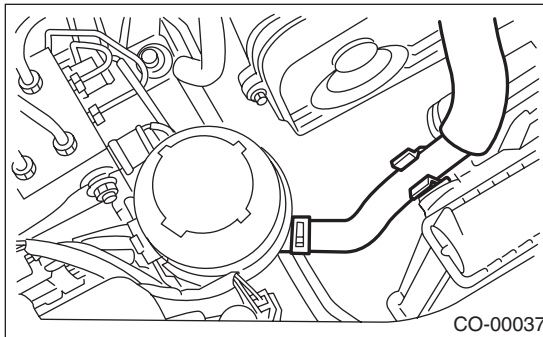
- 14) Remove the mounting bolts from the radiator fan motor assembly.



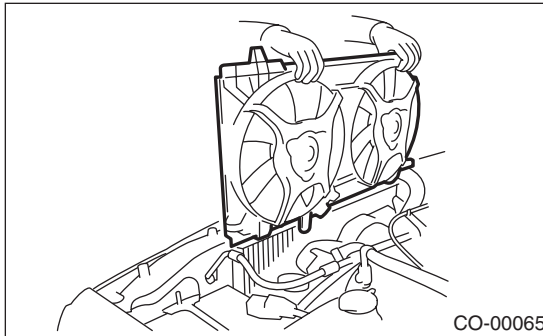
15) Disconnect the radiator inlet hose from radiator.



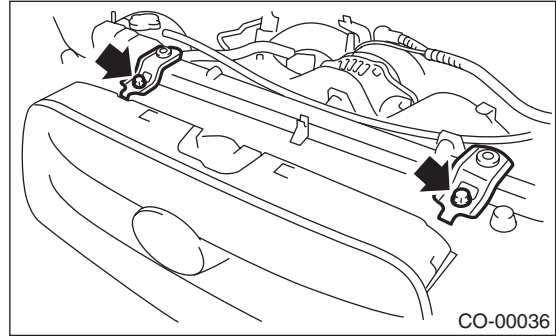
16) Detach the power steering hose from the clip on the radiator.



17) Lift the radiator fan motor assembly up and away from vehicle.



4) Remove the radiator upper brackets. (AT model)

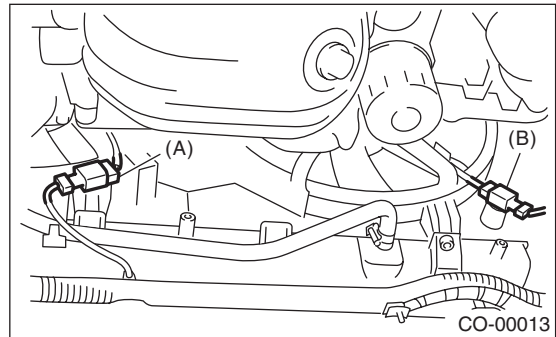


5) Lift-up the vehicle.

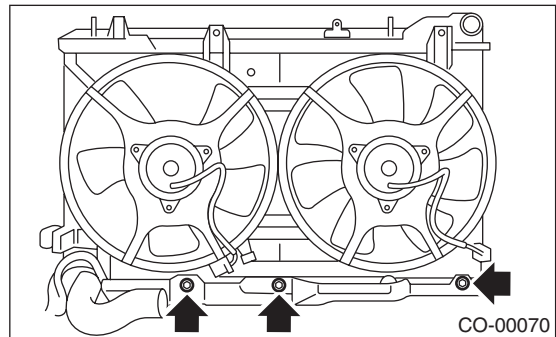
6) Remove the under cover.

7) Drain approximately 1 ℓ (1.06 US qt, 0.88 Imp qt) of engine coolant. <Ref. to CO(H4SO)-18, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

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



9) Remove the radiator under cover attaching bolts. (AT model)

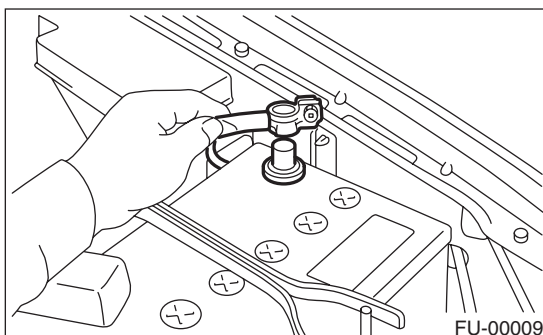


## 2. TURBO MODEL

1) Set the vehicle on a lift.

2) Remove the collector cover.

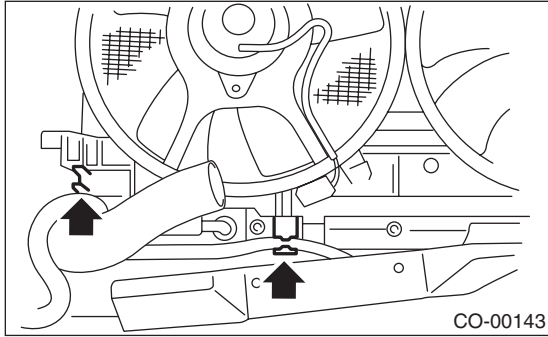
3) Disconnect the ground cable from the battery.



# Radiator Main Fan and Fan Motor

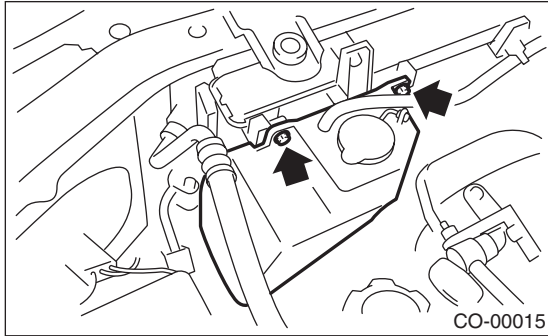
## COOLING

10) Lift the radiator outlet hose and float the radiator from the radiator under cover. Remove the ATF hose from 2 places on the clip of radiator fan motor assembly. (AT model)

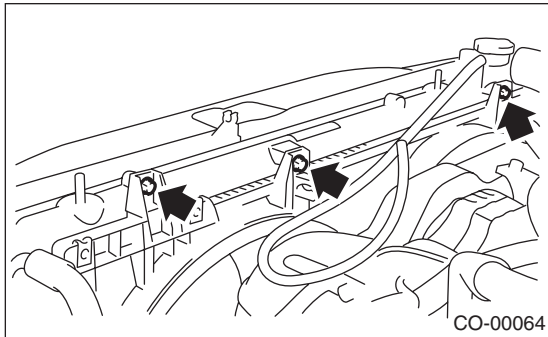


11) Lower the vehicle.

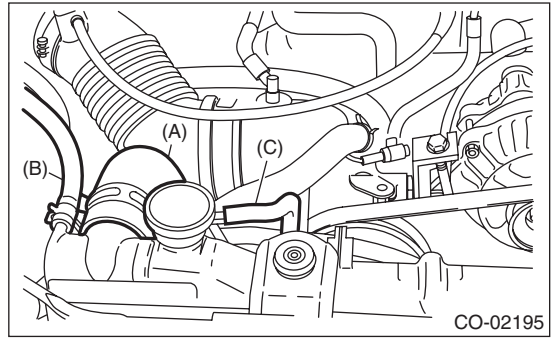
12) Remove the reservoir tank.



13) Remove the mounting bolts from radiator main fan motor assembly.



14) Disconnect the radiator inlet hose and the over flow hose.

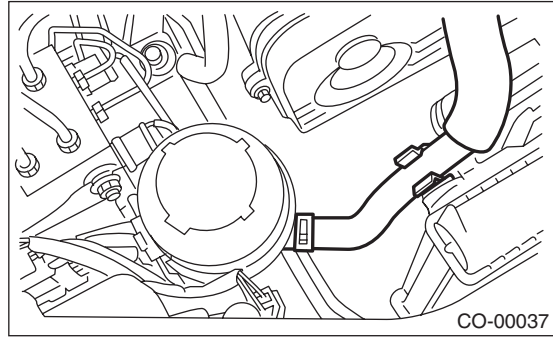


(A) Radiator inlet hose

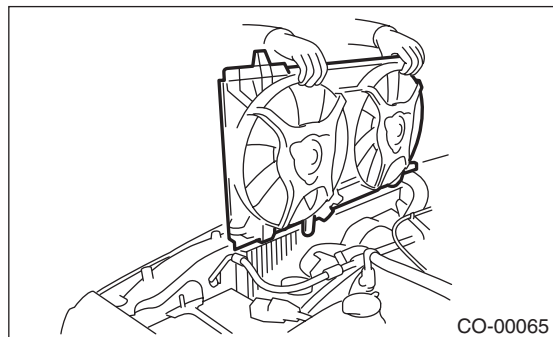
(B) Air breather hose

(C) Over flow hose

15) Disconnect the power steering hose from the clip on the radiator.



16) Remove the radiator main fan motor assembly from vehicle.



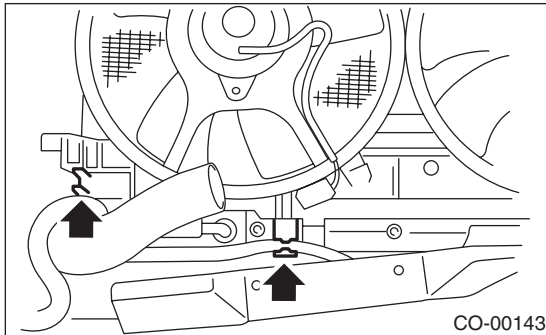
## B: INSTALLATION

### 1. NON-TURBO MODEL

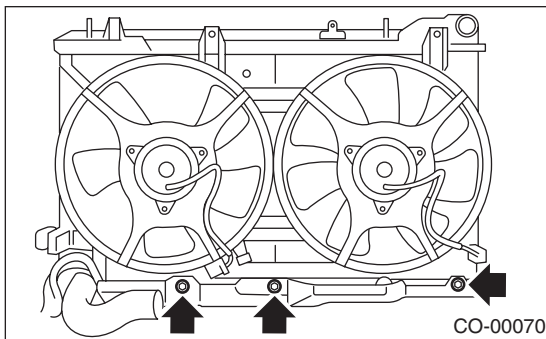
- 1) Install the radiator main fan motor assembly to the radiator.
- 2) Lift-up the vehicle.
- 3) Lift the radiator outlet hose and float the radiator from the radiator under cover. Connect the ATF hose to 2 locations on the clip of radiator main fan motor assembly. (AT model)

**NOTE:**

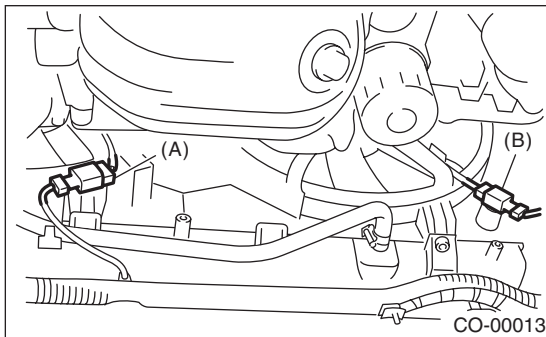
Make pins on the lower side of radiator be fitted into the vehicle side.



- 4) Tighten the attachment bolts of the radiator under cover. (AT model)

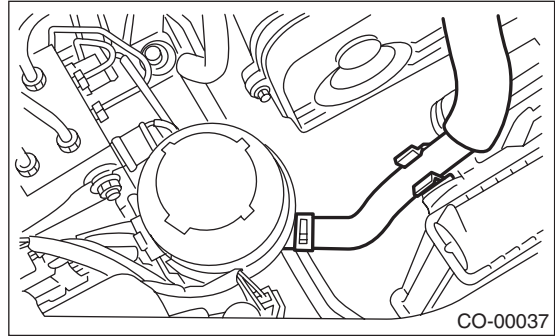


- 5) Connect the radiator main fan motor connector (A) and sub fan motor connector (B).

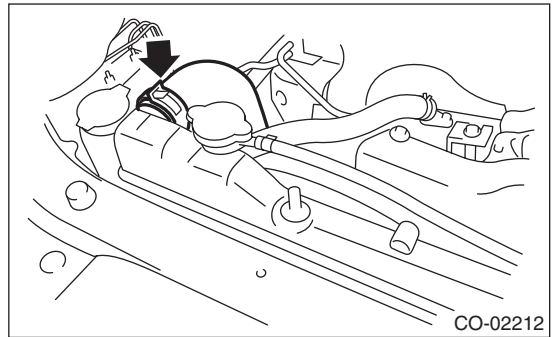


- 6) Install the under cover.
- 7) Lower the vehicle.

- 8) Attach the power steering hose to the radiator.



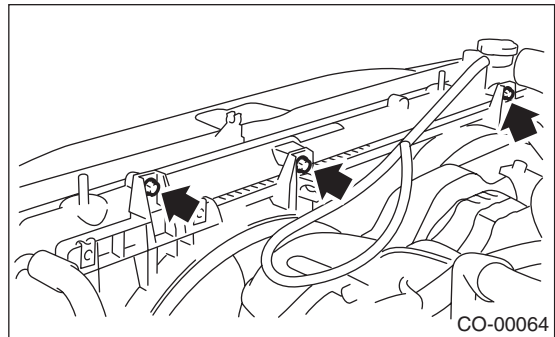
- 9) Connect the radiator inlet hose.



- 10) Install the mounting bolts to radiator main fan motor assembly.

**Tightening torque:**

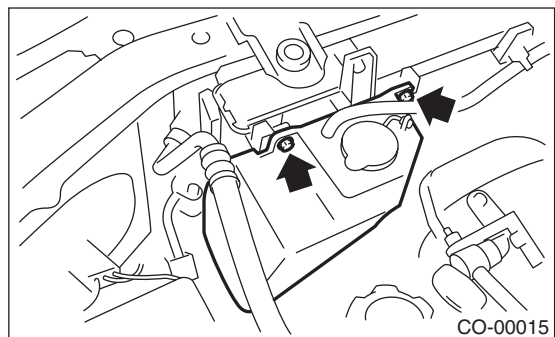
**4.9 N·m (0.50 kgf·m, 3.6 ft·lb)**



- 11) Install the reservoir tank.

**Tightening torque:**

**7.5 N·m (0.76 kgf·m, 5.5 ft·lb)**

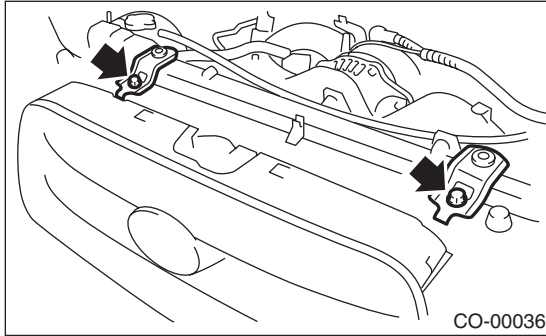


- 12) Install the over flow hose.

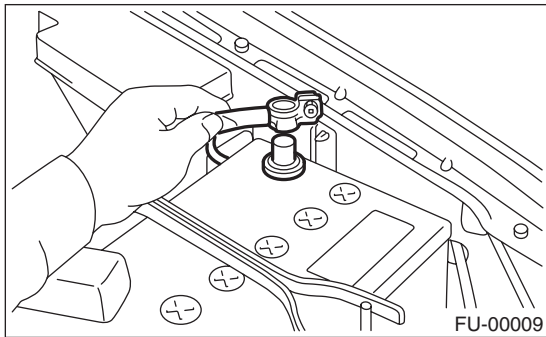
# Radiator Main Fan and Fan Motor

## COOLING

13) Install the radiator upper brackets. (AT model)



14) Connect the ground cable to the battery.



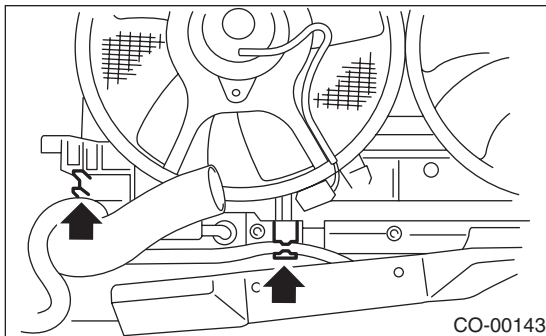
15) Fill engine coolant. <Ref. to CO(H4SO)-18, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

## 2. TURBO MODEL

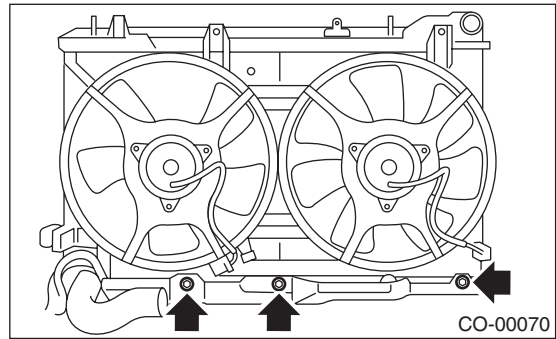
- 1) Install the radiator main fan motor assembly to the radiator.
- 2) Lift-up the vehicle.
- 3) Lift the radiator outlet hose and float the radiator from the radiator under cover. Connect the ATF hose to 2 locations on the clip of radiator main fan motor assembly. (AT model)

### NOTE:

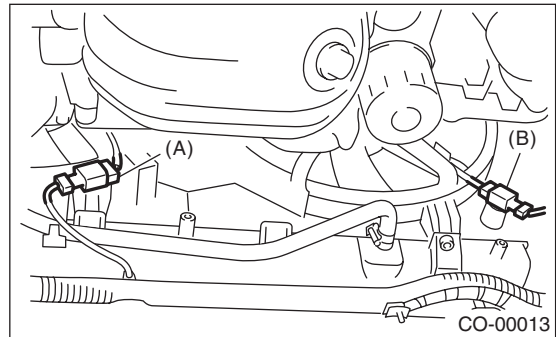
Make pins on the lower side of radiator be fitted into the vehicle side.



4) Tighten the attachment bolts of the radiator under cover. (AT model)



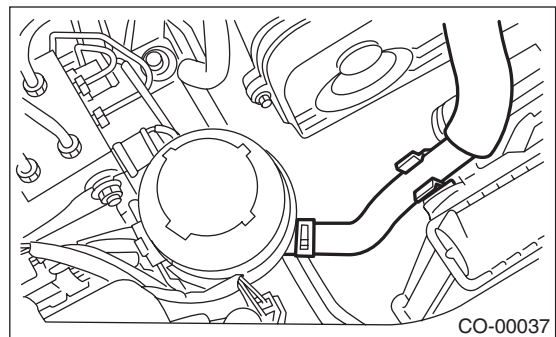
5) Connect the radiator main fan motor connector (A) and sub fan motor connector (B).



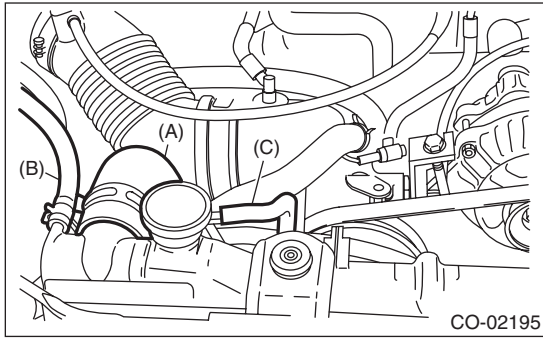
6) Install the under cover.

7) Lower the vehicle.

8) Connect the power steering hose to the clip on the radiator.



9) Connect the radiator inlet hose and the overflow hose to radiator.

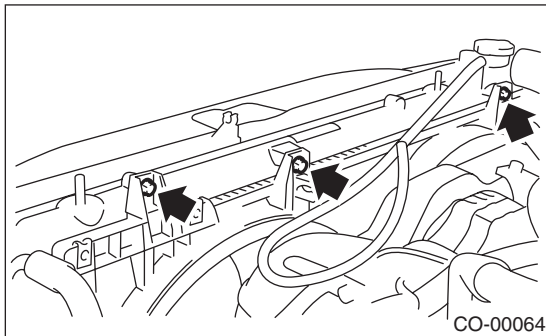


- (A) Radiator inlet hose
- (B) Air breather hose
- (C) Over flow hose

10) Install the mounting bolts to radiator main fan motor assembly.

**Tightening torque:**

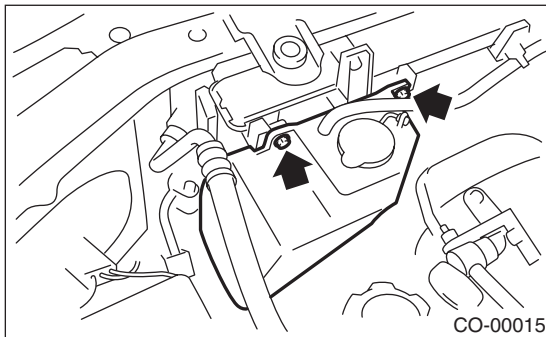
**4.9 N·m (0.5 kgf-m, 3.6 ft-lb)**



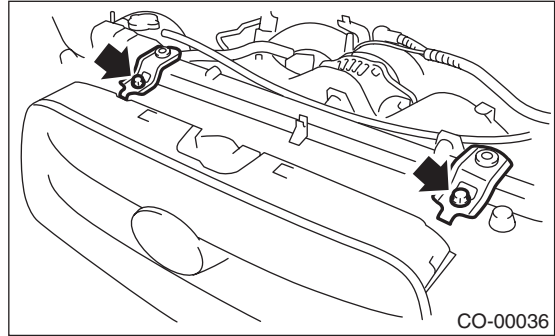
11) Install the reservoir tank.

**Tighting torque:**

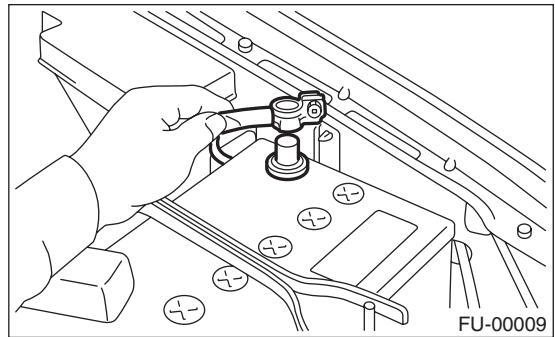
**7.5 N·m (0.76 kgf-m, 5.5 ft-lb)**



12) Install the radiator upper brackets. (AT model)



13) Connect the ground cable to the battery.



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

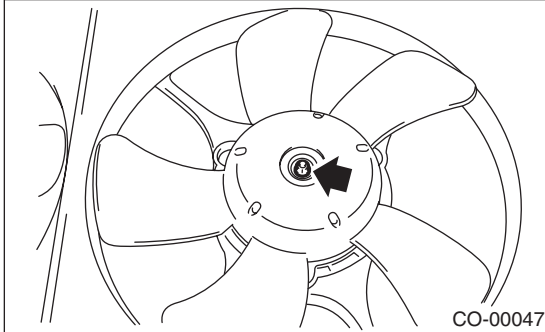
15) Install the collector cover.

# Radiator Main Fan and Fan Motor

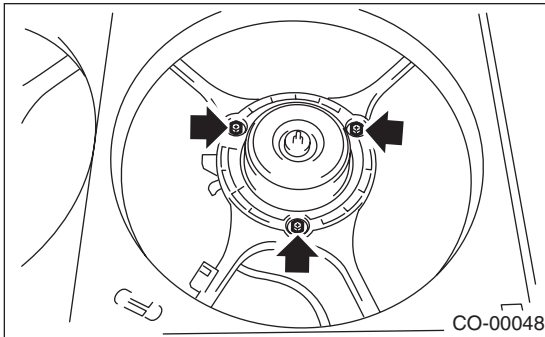
## COOLING

### C: DISASSEMBLY

- 1) Remove the clip which holds motor connector onto the shroud.
- 2) Remove the nuts which secure the fan to the fan motor.



- 3) Remove the bolts which hold fan motor onto shroud.

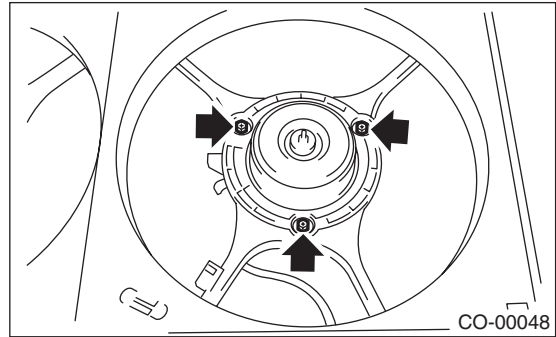


### D: ASSEMBLY

Assemble in the reverse order of disassembly.

#### **Tightening torque:**

**4.4 N·m (0.45 kgf-m, 3.3 ft-lb)**



#### **Tightening torque:**

**3.4 N·m (0.35 kgf-m, 2.5 ft-lb)**

