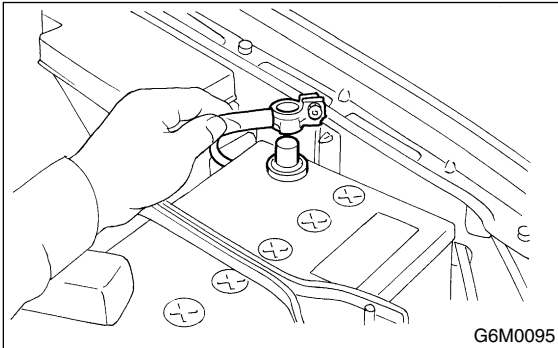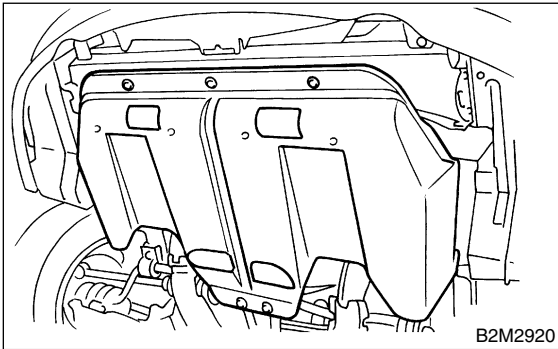# 9. Radiator Main Fan and Fan Motor _S146059_

A: REMOVAL _S146059A18_
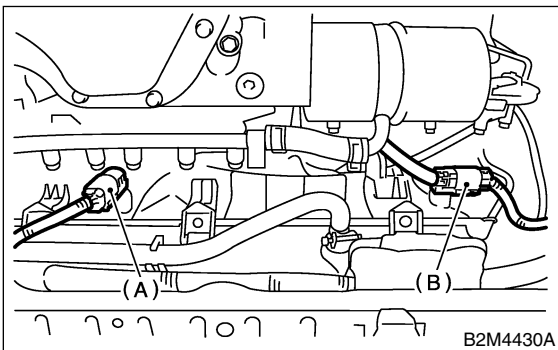
1) Disconnect battery ground cable.

G6M0095

2) Lift-up the vehicle.
3) Remove under cover.

B2M2920
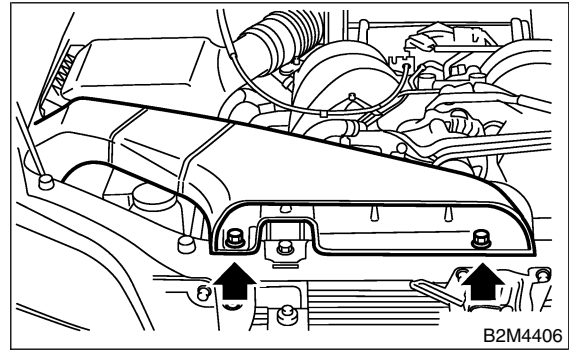
4) Drain engine coolant completely.
<Ref. to CO(H6)-18, Engine Coolant.>
5) Disconnect connectors of main and sub fan motor.
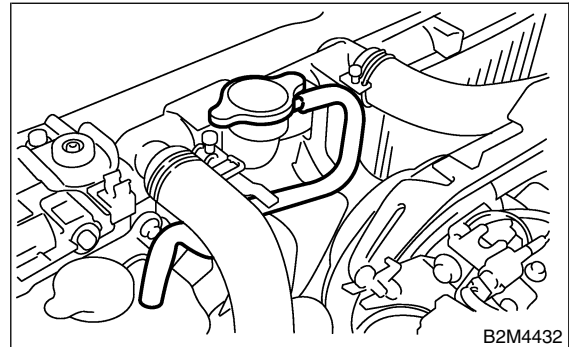

B2M4430A

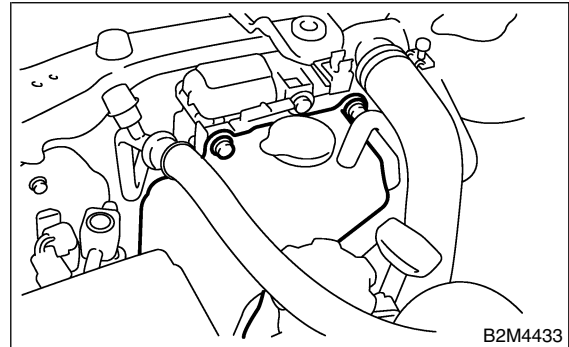(A)   Main fan motor connector
(B)   Sub fan motor connector

6) Lower the vehicle.
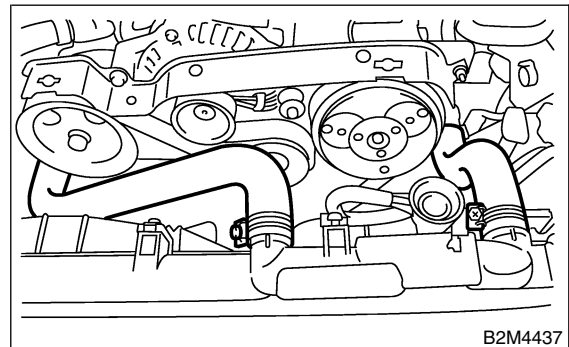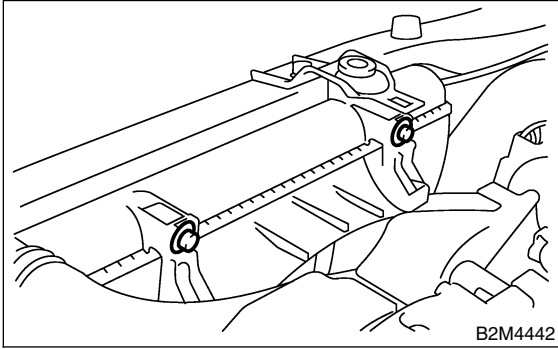7) Remove air intake duct.

B2M4406

8) Disconnect over flow hose.

B2M4432

9) Remove reservoir tank.

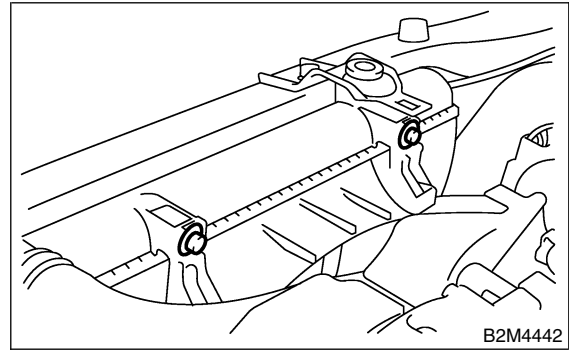B2M4433

10) Disconnect radiator inlet hoses from radiator.

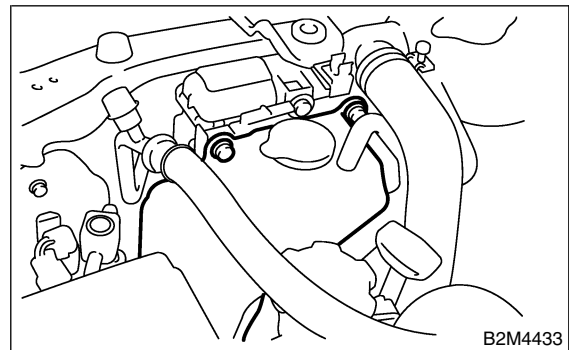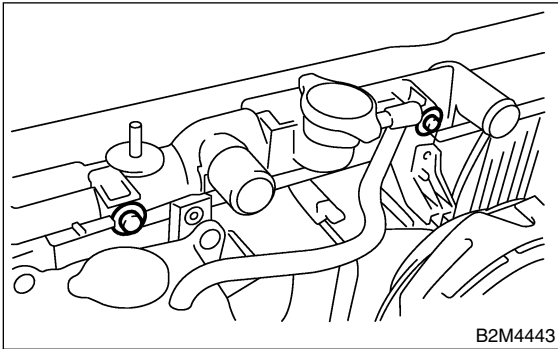B2M4437

11) Remove radiator sub fan motor assembly.

B2M4442

12) Remove radiator main fan motor assembly.

NOTE:
When removing main fan assembly by lifting it upward, main fan shroud will cause interference with coolant suction area. In order to avoid this, shift the main fan assembly over to sub fan side before removing it.
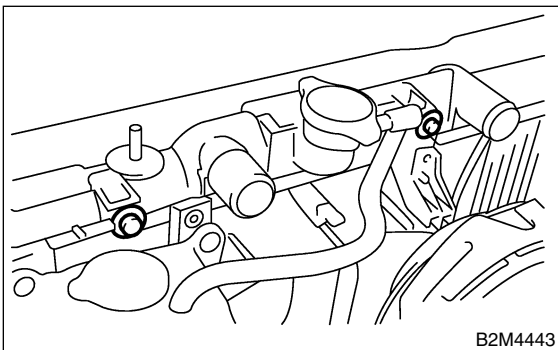

B2M4443

B: INSTALLATION *S146059A11*

Install in the reverse order of removal.

Tightening torque:
   4.9 N·m (0.50 kgf-m, 3.6 ft-lb)

B2M4443

Tightening torque:
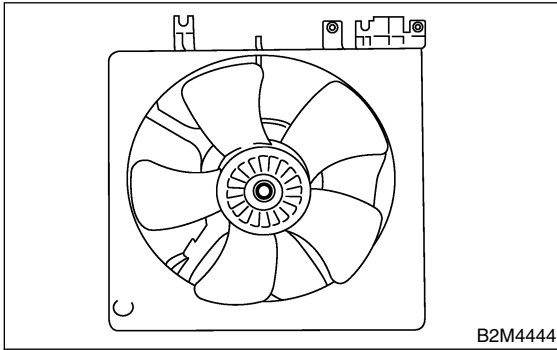   *4.9 N·m (0.50 kgf-m, 3.6 ft-lb)*

B2M4442

Tightening torque:
   4.9 N·m (0.50 kgf-m, 3.6 ft-lb)

B2M4433

C: DISASSEMBLY *S146059A06*

1) Remove clip which holds motor connector onto shroud.

S2M0937

2) Remove nut which holds fan itself onto fan motor and shroud assembly.

B2M4444

3) Remove screws which install fan motor onto shroud.

B2M4445

D: ASSEMBLY S146059A02

Assemble in the reverse order of disassembly.

Tightening torque:
   4.4 N·m (0.45 kgf-m, 3.3 ft-lb)

B2M4445

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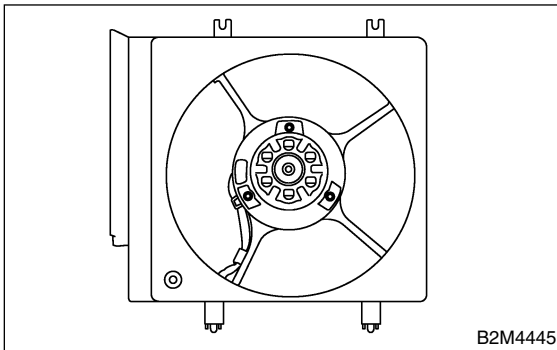

B2M4444

E: INSPECTION S146059A10

1) Connect battery to main fan motor connector.

B2M4754

Terminal:
   No. 1 (+) — No. 4 (–): Low speed
   No. 2 (+) — No. 4 (–): Middle speed
   No. 3 (+) — No. 4 (–): High speed

2) Make sure the main fan motor operates properly. Replace it if it doesn't.