

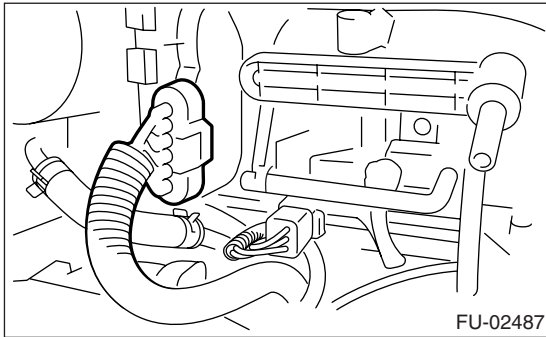
Intake Manifold

FUEL INJECTION (FUEL SYSTEMS)

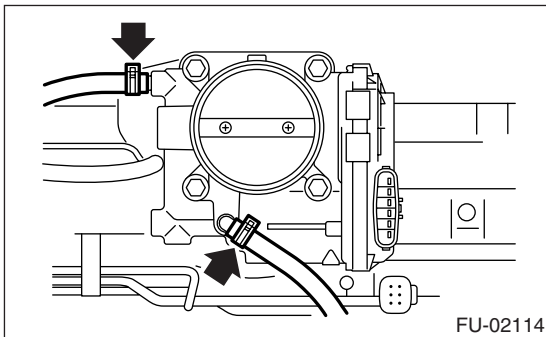
3. Intake Manifold

A: REMOVAL

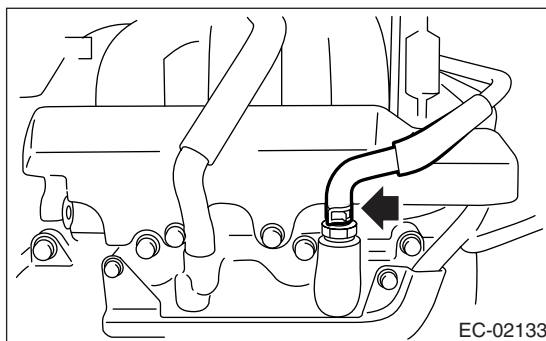
- 1) Remove the collector cover.
- 2) Release the fuel pressure. <Ref. to FU(H6DO)-37, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.
- 4) Open the fuel filler flap lid, and remove the fuel filler cap.
- 5) Remove the air cleaner case and air intake chamber. <Ref. to IN(H6DO)-5, REMOVAL, Air Cleaner Case.> <Ref. to IN(H6DO)-6, REMOVAL, Air Intake Chamber.>
- 6) Remove the generator. <Ref. to SC(H6DO)-19, REMOVAL, Generator.>
- 7) Disconnect the connector from throttle body.



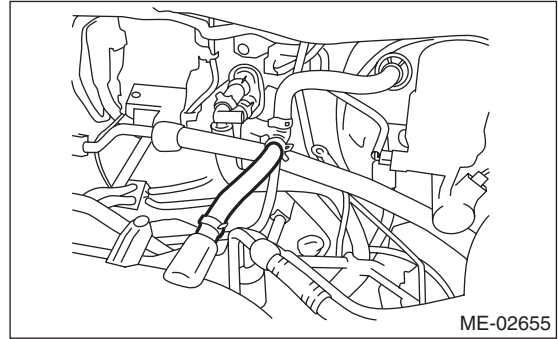
- 8) Disconnect the engine coolant hoses from throttle body.



- 9) Disconnect the PCV hose.



- 10) Disconnect the brake booster hose.



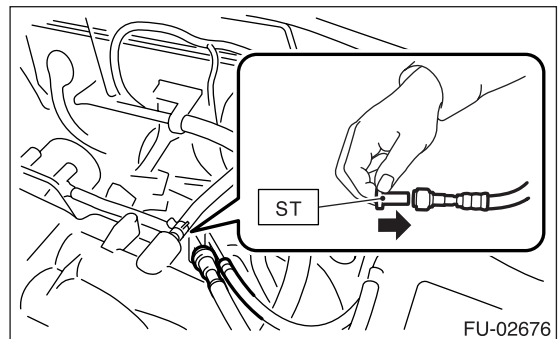
- 11) Disconnect the fuel hoses from fuel pipe.
 - (1) Disconnect the connector of fuel pipe by pushing the ST in the direction of arrow.

ST 42099AE000 CONNECTOR REMOVER

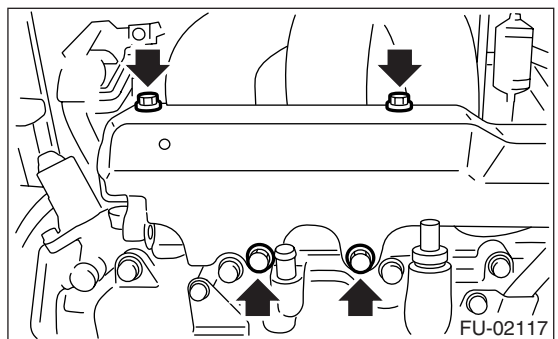
- (2) Remove the clip, and disconnect the evaporation hose from the pipe.

WARNING:

- Be careful not to spill fuel.
- Catch the fuel from hoses using a container or cloth.

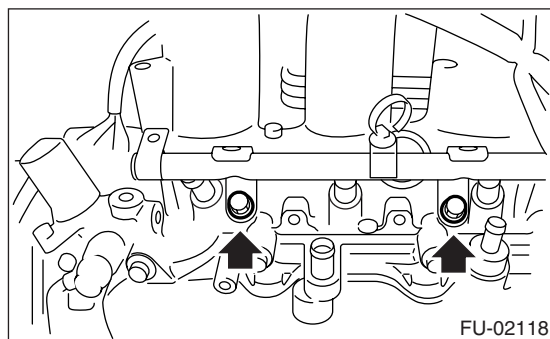


- 12) Remove the fuel pipe protector LH.

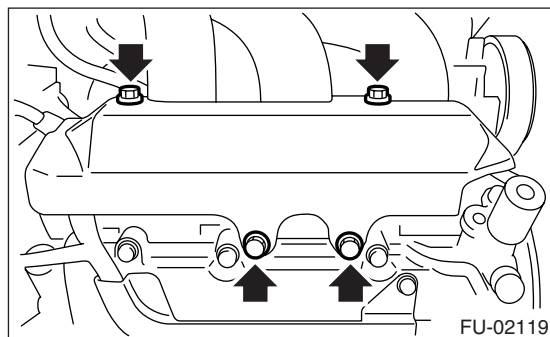


- 13) Remove the engine harness from fuel injector pipe LH.

- 14) Remove the bolts which hold fuel injector pipe LH to cylinder head.

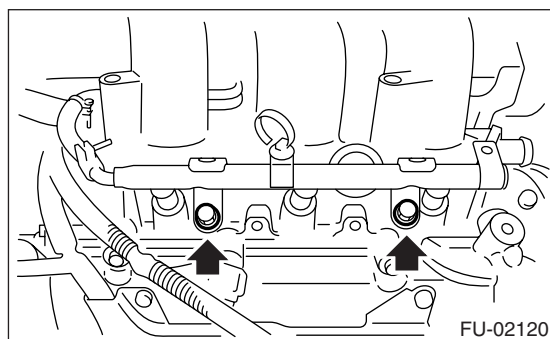


- 15) Remove the fuel pipe protector RH.



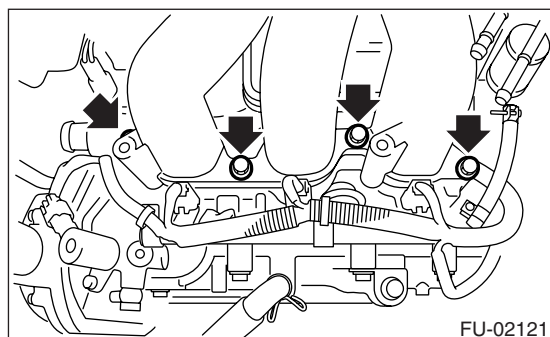
- 16) Remove the engine harness from fuel injector pipe RH.

- 17) Remove the bolts which hold the fuel injector pipe RH to the cylinder head.

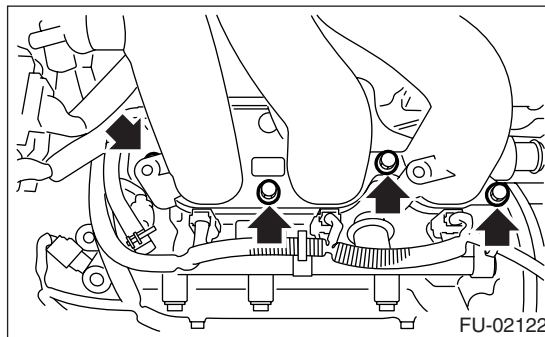


- 18) Remove the bolts which hold the intake manifold to the cylinder head.

- LH side



- RH side



- 19) Remove the intake manifold.

B: INSTALLATION

- 1) Install the intake manifold onto cylinder heads.

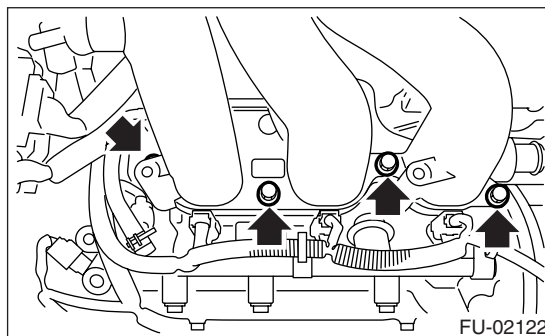
NOTE:

Use new O-rings.

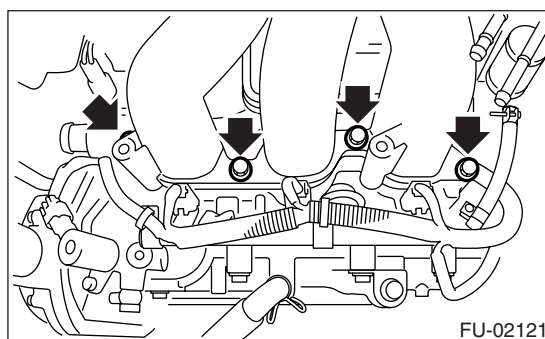
Tightening torque:

25 N·m (2.5 kgf-m, 18 ft-lb)

- RH side



- LH side



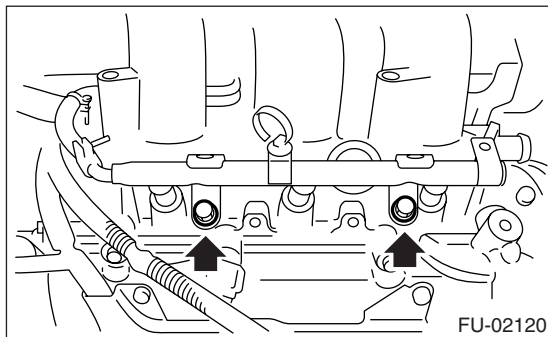
Intake Manifold

FUEL INJECTION (FUEL SYSTEMS)

2) Install the bolts which hold fuel injector pipe RH to cylinder head.

Tightening torque:

19 N·m (1.9 kgf-m, 14 ft-lb)

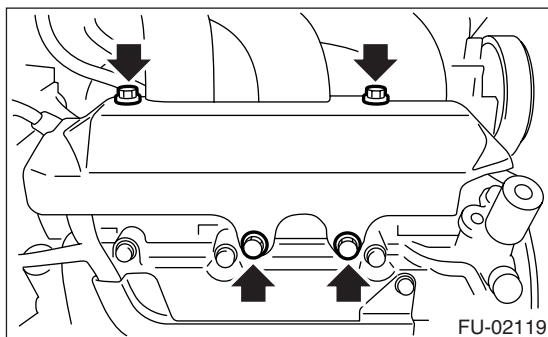


3) Install the engine harness to fuel injector pipe RH.

4) Install the fuel pipe protector RH.

Tightening torque:

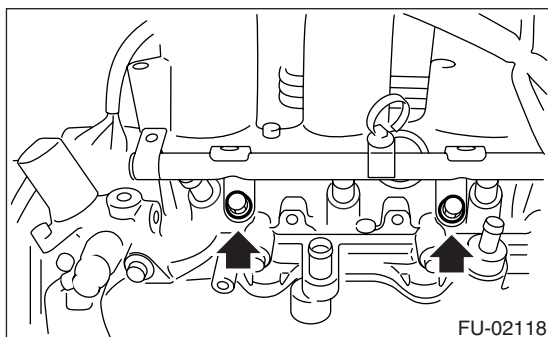
19 N·m (1.9 kgf-m, 14 ft-lb)



5) Install the bolts which hold fuel injector pipe LH to cylinder head.

Tightening torque:

19 N·m (1.9 kgf-m, 14 ft-lb)

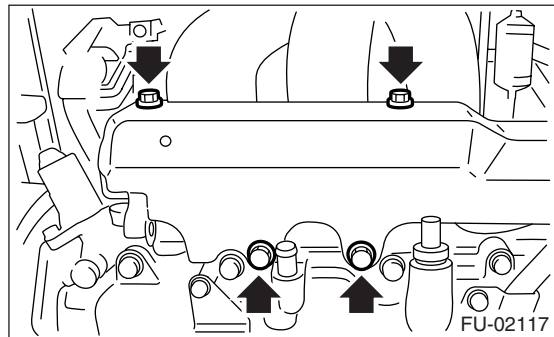


6) Install the engine harness to fuel injector pipe LH.

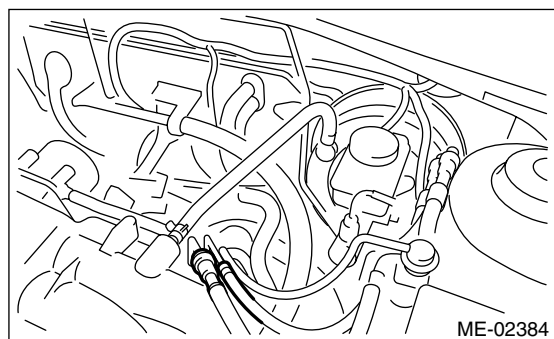
7) Install the fuel pipe protector LH.

Tightening torque:

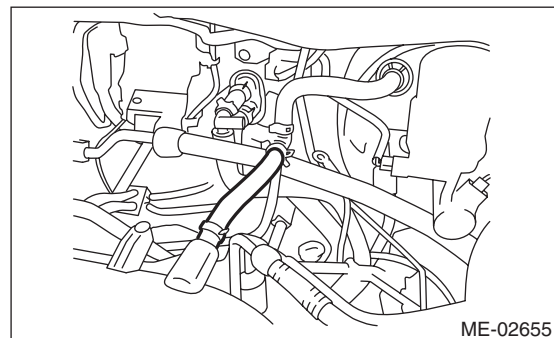
19 N·m (1.9 kgf-m, 14 ft-lb)



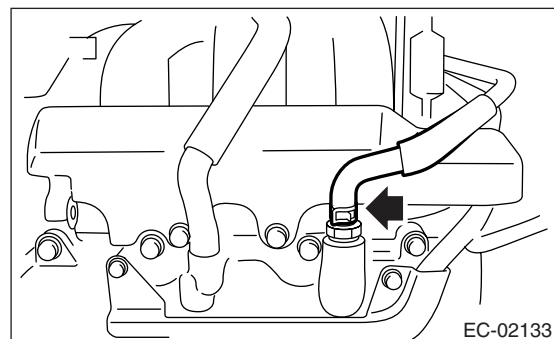
8) Connect the fuel hoses to fuel pipe.



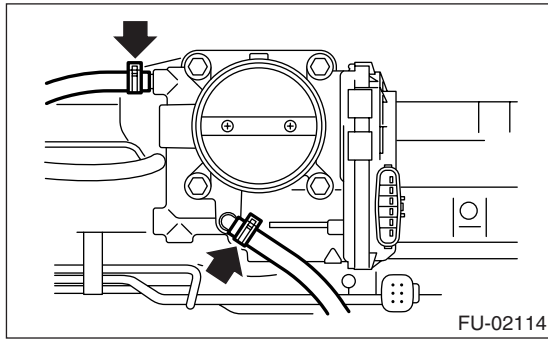
9) Connect the brake booster hose.



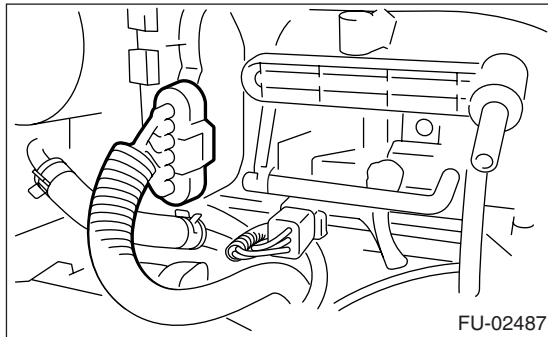
10) Connect the PCV hose.



- 11) Connect the engine coolant hoses to throttle body.



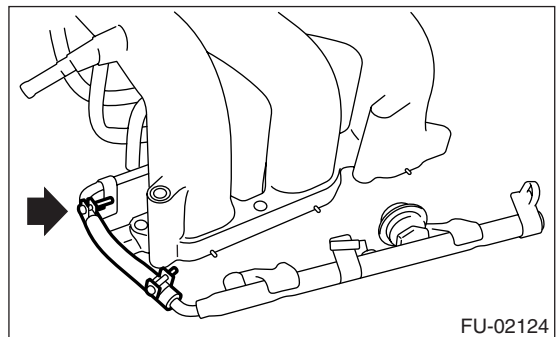
- 12) Connect the connector to throttle body.



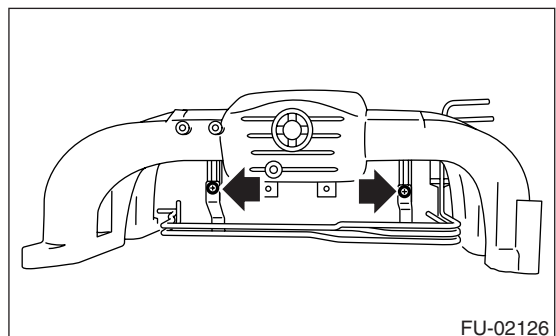
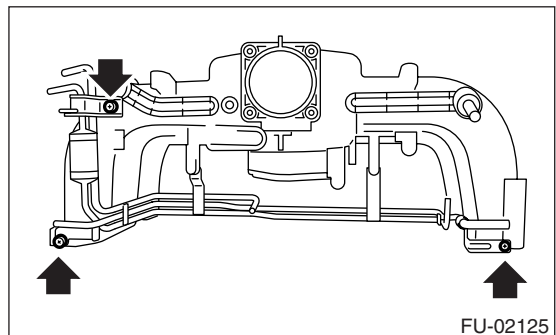
- 13) Install the generator. <Ref. to SC(H6DO)-19, INSTALLATION, Generator.>
 14) Install the air cleaner case and air intake chamber. <Ref. to IN(H6DO)-5, INSTALLATION, Air Cleaner Case.> <Ref. to IN(H6DO)-6, INSTALLATION, Air Intake Chamber.>
 15) Install the fuse of fuel pump to main fuse box.
 16) Connect the ground cable to the battery.
 17) Install the collector cover.

C: DISASSEMBLY

- 1) Remove the engine harness from intake manifold.
 2) Remove the throttle body. <Ref. to FU(H6DO)-11, REMOVAL, Throttle Body.>
 3) Remove the manifold absolute pressure sensor. <Ref. to FU(H6DO)-22, REMOVAL, Manifold Absolute Pressure Sensor.>
 4) Remove the purge control solenoid valve. <Ref. to EC(H6DO)-6, REMOVAL, Purge Control Solenoid Valve.>
 5) Loosen the clamp which holds fuel injector pipe to fuel hose, and then disconnect the pipe from fuel hose.



- 6) Remove the bolts which install fuel pipes on intake manifold.



Intake Manifold

FUEL INJECTION (FUEL SYSTEMS)

D: ASSEMBLY

NOTE:

When assembling the nipple, apply liquid gasket.

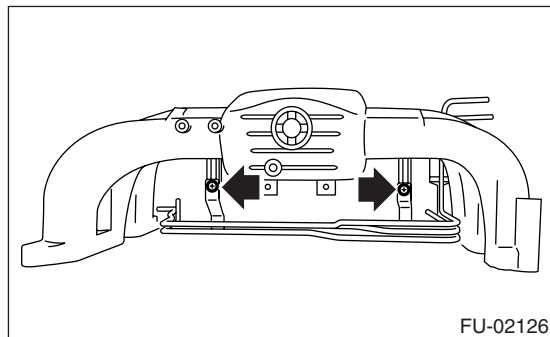
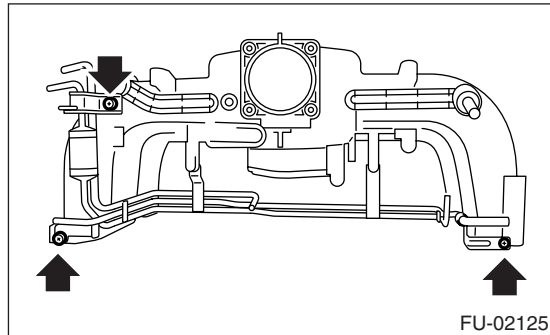
Liquid gasket:

THREE BOND 1105 (Part No.004403010)

1) Tighten the bolts which install fuel pipes on intake manifold.

Tightening torque:

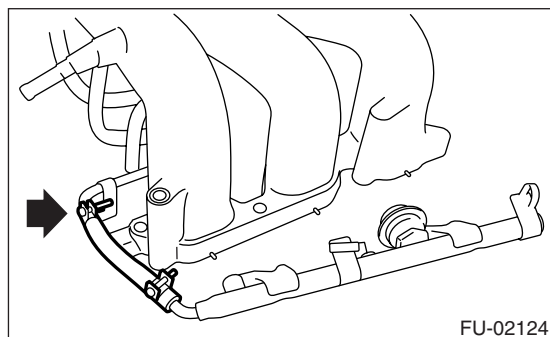
6.4 N·m (0.65 kgf-m, 4.7 ft-lb)



2) Connect the fuel injector pipe to fuel hose, and tighten the clamp screw.

Tightening torque:

1.5 N·m (0.15 kgf-m, 1.1 ft-lb)



3) Install the purge control solenoid valve. <Ref. to EC(H6DO)-6, INSTALLATION, Purge Control Solenoid Valve.>

4) Install the manifold absolute pressure sensor. <Ref. to FU(H6DO)-22, INSTALLATION, Manifold Absolute Pressure Sensor.>

5) Install the throttle body to intake manifold. <Ref. to FU(H6DO)-11, INSTALLATION, Throttle Body.>

6) Install the engine harness to the intake manifold.

E: INSPECTION

Make sure the fuel pipe and fuel hoses are not damaged and the connections are tightened firmly.