

25. Fuel Filler Pipe

A: REMOVAL

WARNING:

Place "NO OPEN FLAMES" signs near the working area.

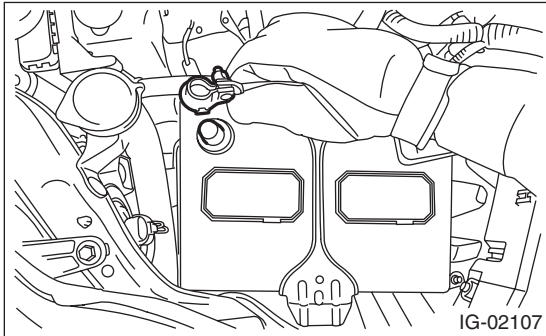
CAUTION:

Be careful not to spill fuel.

1) Release the fuel pressure. <Ref. to FU(H4DOTC)-66, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>

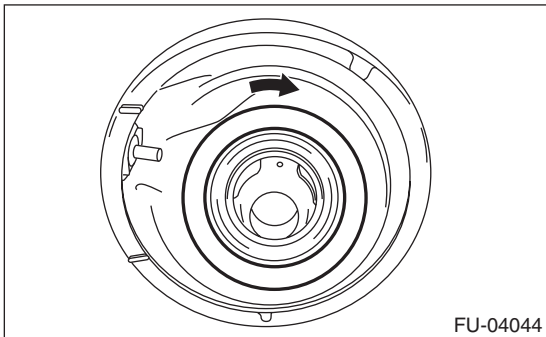
2) Drain fuel. <Ref. to FU(H4DOTC)-66, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>

3) Disconnect the ground cable from battery.



4) Open the fuel filler lid, and remove the filler cap.

5) Turn the fuel filler pipe protector in the direction of the arrow to unlock and remove it.



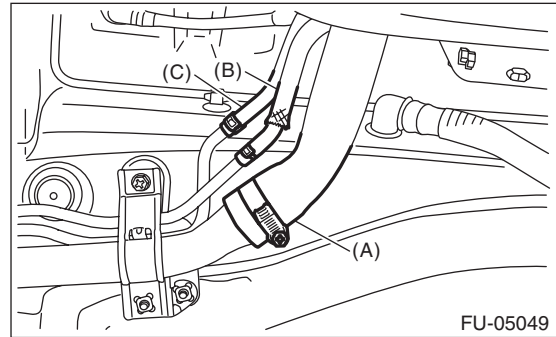
6) Remove the rear wheel RH.

7) Lift up the vehicle.

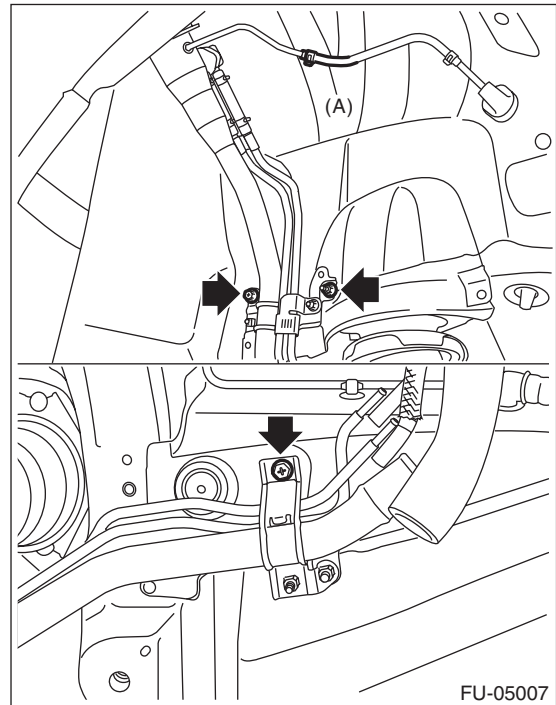
8) Remove the rear mud guard RH. <Ref. to EI-38, REMOVAL, Mud Guard.>

9) Remove the rear sub frame. <Ref. to RS-16, REMOVAL, Rear Sub Frame.>

10) Disconnect the fuel filler hose (A), PCV inlet hose (B) and circulate hose (C) from the fuel filler pipe assembly.



11) Disconnect the evaporation hose (A) from fuel filler pipe assembly and remove the bolts and nuts securing the fuel filler pipe assembly to the vehicle body.



12) Remove the fuel filler pipe assembly from the underside of the vehicle.

Fuel Filler Pipe

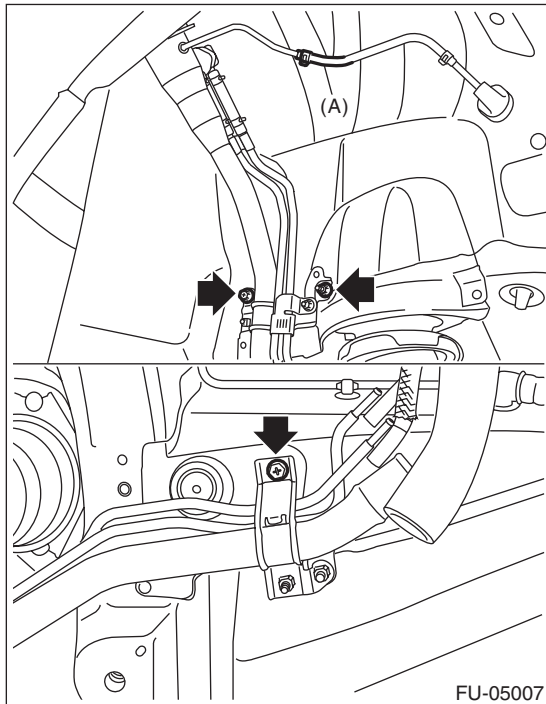
FUEL INJECTION (FUEL SYSTEMS)

B: INSTALLATION

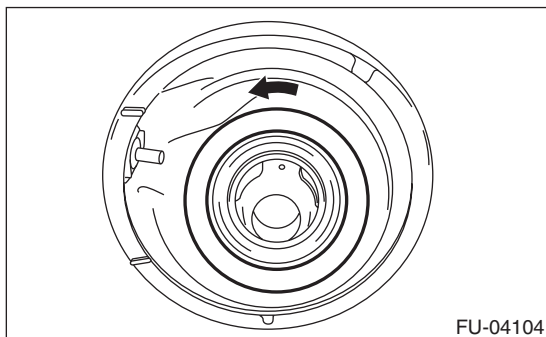
- 1) Open the fuel filler lid.
- 2) Insert the fuel filler pipe assembly into the rubber saucer from inside of the rear fender.
- 3) Install the fuel filler pipe assembly to the vehicle body and connect the evaporation hose (A) to the fuel filler pipe assembly.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)



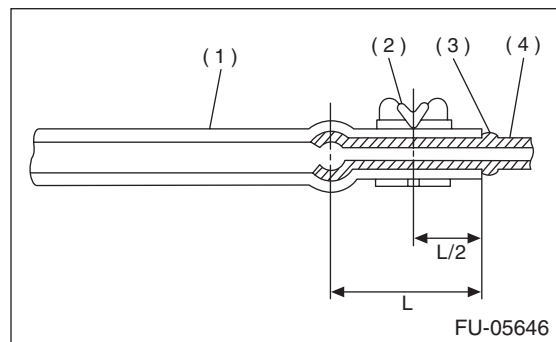
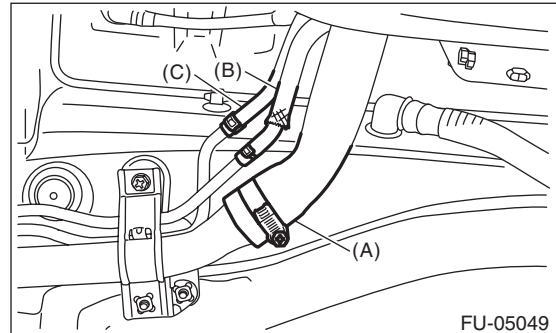
- 4) Align the cutout on the fuel filler pipe protector and the protrusion of the neck holder and insert them all the way, and then turn the fuel filler pipe protector in the direction of the arrow until it is locked.



- 5) Securely insert the fuel filler hose (A), PCV inlet hose (B) and circulate hose (C) to the spool or stopper, then attach the clamp or clip as shown in the figure.

Tightening torque:

2.5 N·m (0.3 kgf-m, 1.8 ft-lb)



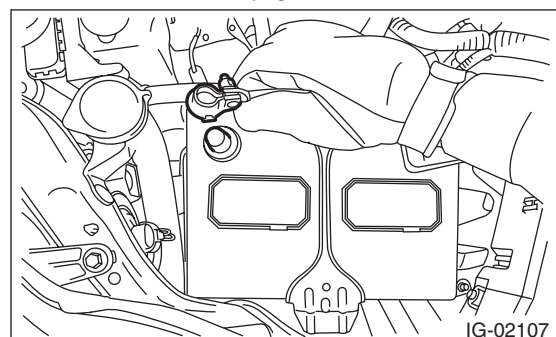
- (1) Hose
- (2) Clamp or clip
- (3) Spool or bump
- (4) Pipe

- 6) Install the rear sub frame. <Ref. to RS-18, INSTALLATION, Rear Sub Frame.>
- 7) Install the rear mud guard RH. <Ref. to EI-38, INSTALLATION, Mud Guard.>
- 8) Lower the vehicle.
- 9) Install the rear wheel RH.

Tightening torque:

120 N·m (12.2 kgf-m, 88.5 ft-lb)

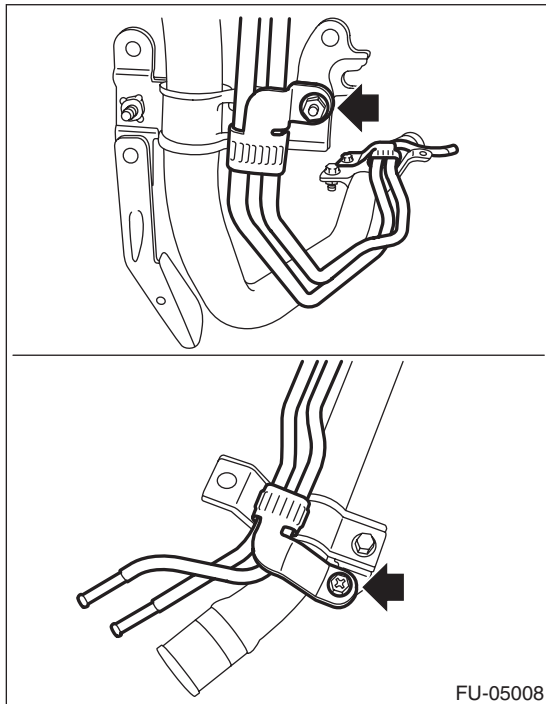
- 10) Connect the battery ground terminal.



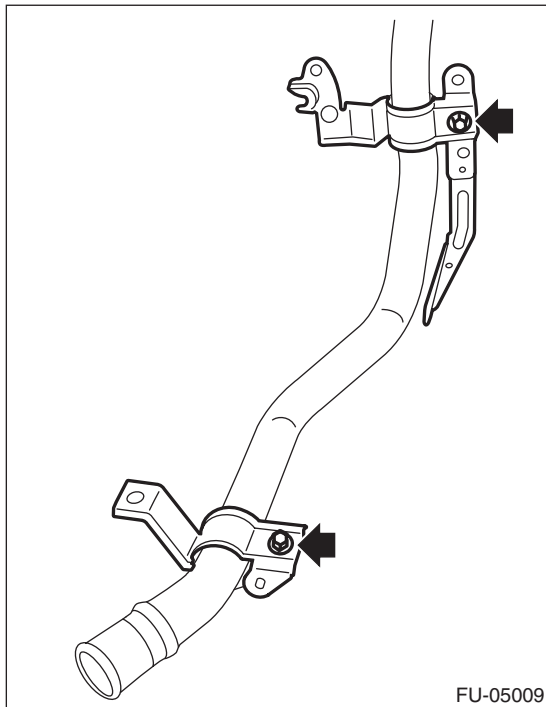
- 11) Inspect the wheel alignment and adjust if necessary.

C: DISASSEMBLY

- 1) Remove the shut valve from the fuel filler pipe.
<Ref. to EC(H4DOTC)-20, REMOVAL, Shut Valve.>
- 2) Remove the evaporation pipe from the fuel filler pipe.

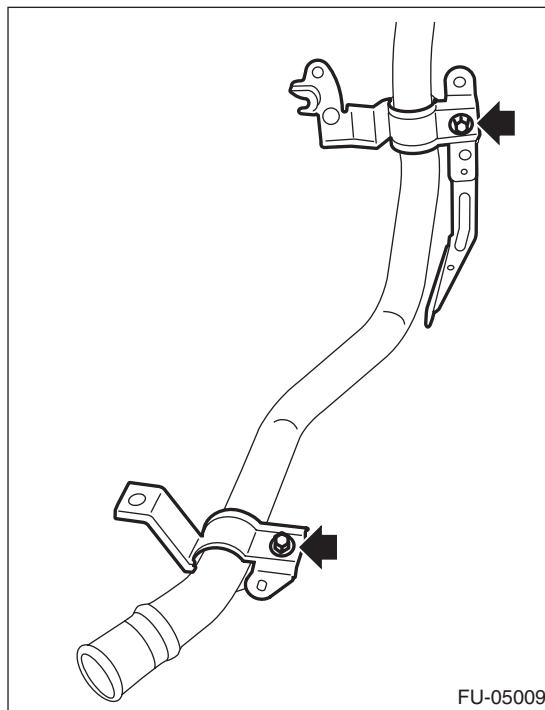


- 3) Remove the fuel filler pipe bracket from the fuel filler pipe.



D: ASSEMBLY

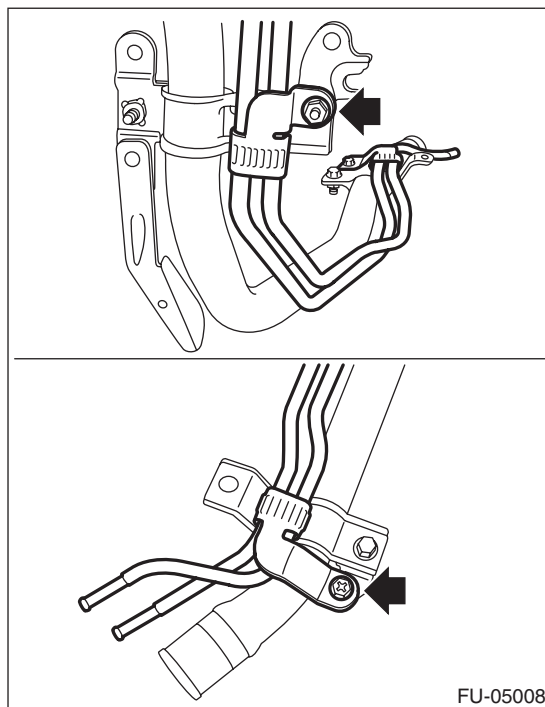
- 1) Temporarily tighten the bolts securing the fuel filler pipe bracket to the fuel filler pipe.



- 2) Install the evaporation pipe to the fuel filler pipe.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)



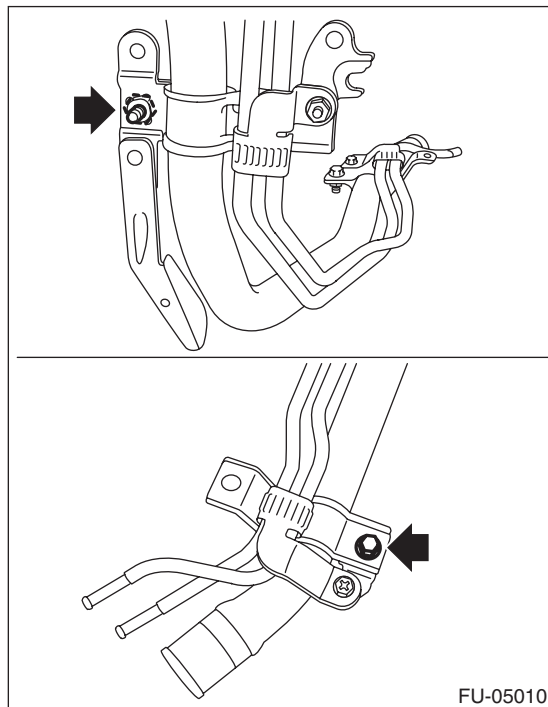
Fuel Filler Pipe

FUEL INJECTION (FUEL SYSTEMS)

3) Tighten the bolts securing the fuel filler pipe bracket to the fuel filler pipe.

Tightening torque:

7.35 N·m (0.7 kgf-m, 5.4 ft-lb)



4) Install the shut valve to the fuel filler pipe. <Ref. to EC(H4DOTC)-20, INSTALLATION, Shut Valve.>

E: INSPECTION

1) Check that the fuel filler pipe and evaporation pipe do not have deformation, cracks or other damages.

2) Check that the hose has no cracks, damage or loose part.