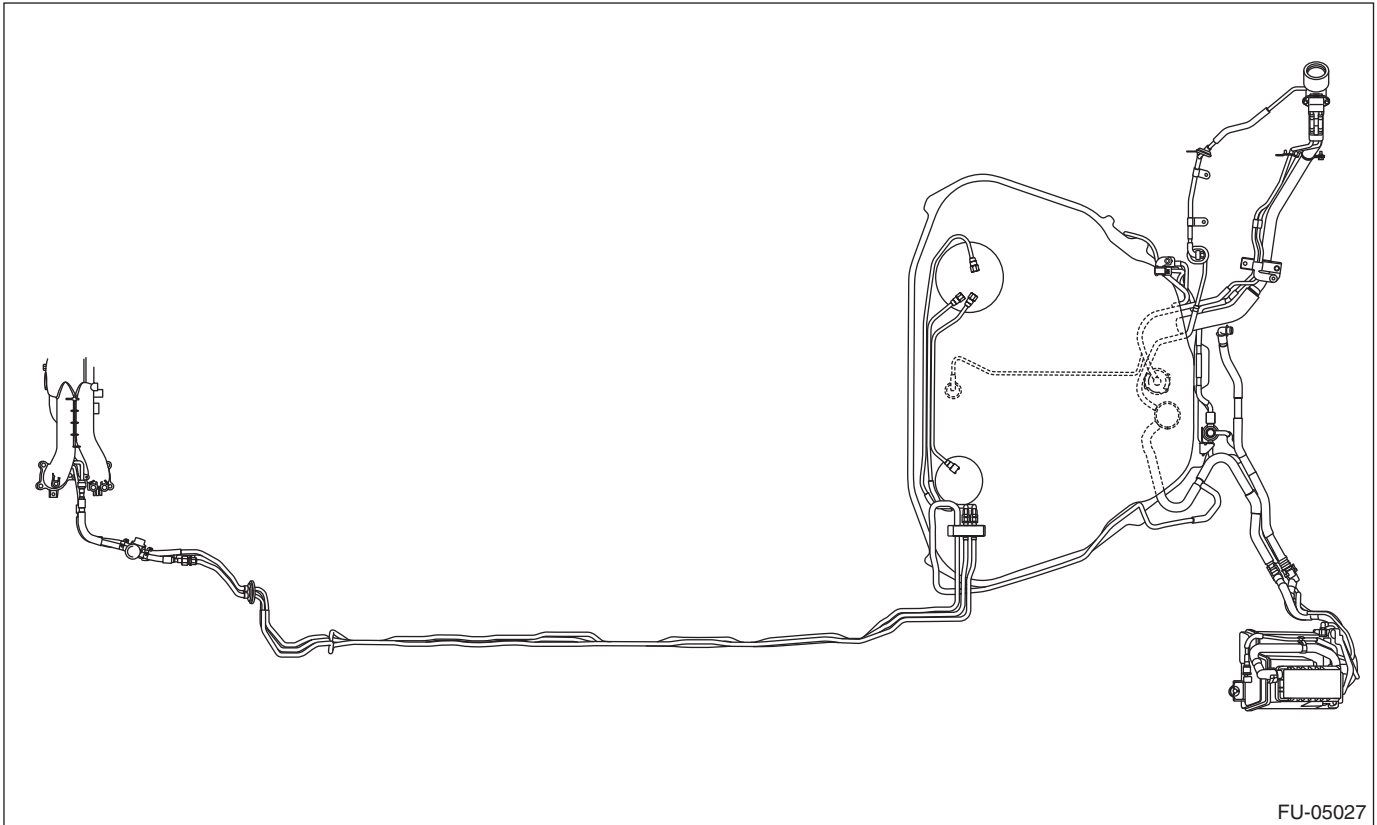


31.Fuel Delivery, Return and Evaporation Lines

A: REMOVAL



WARNING:
Place “NO OPEN FLAMES” signs near the working area.

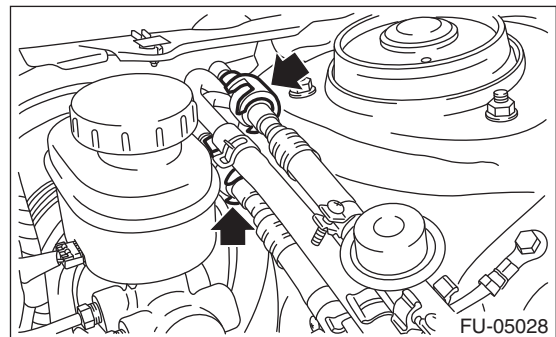
CAUTION:
Be careful not to spill fuel.

- 1) Set the vehicle on a lift.
- 2) Release the fuel pressure. <Ref. to FU(H4DOTC)-65, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 3) Open the fuel filler lid and remove the fuel filler cap.
- 4) Remove the floor mat. <Ref. to EI-159, REMOVAL, Floor Mat.>
- 5) In the engine compartment, disconnect the fuel delivery hoses, fuel return hoses and evaporation hoses.

CAUTION:

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

- (1) Remove the connect check cover from the fuel delivery hose and fuel return hose.

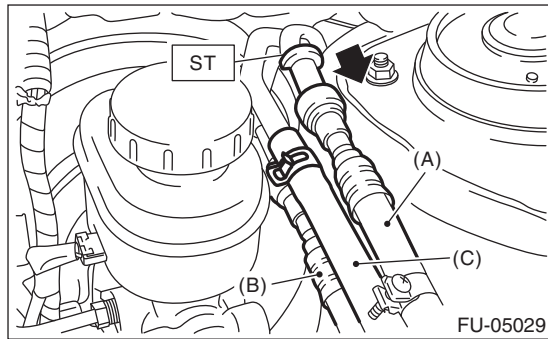


- (2) Install the ST to the fuel pipe.
ST 42099AE000 QUICK CONNECTOR RELEASE
- (3) Disconnect the quick connector of the fuel delivery hose and fuel return hose by pushing the ST in the direction of the arrow.

Fuel Delivery, Return and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

(4) Remove the clip and disconnect the evaporation hose from the fuel pipe.



- (A) Fuel delivery hose
- (B) Fuel return hose
- (C) Evaporation hose

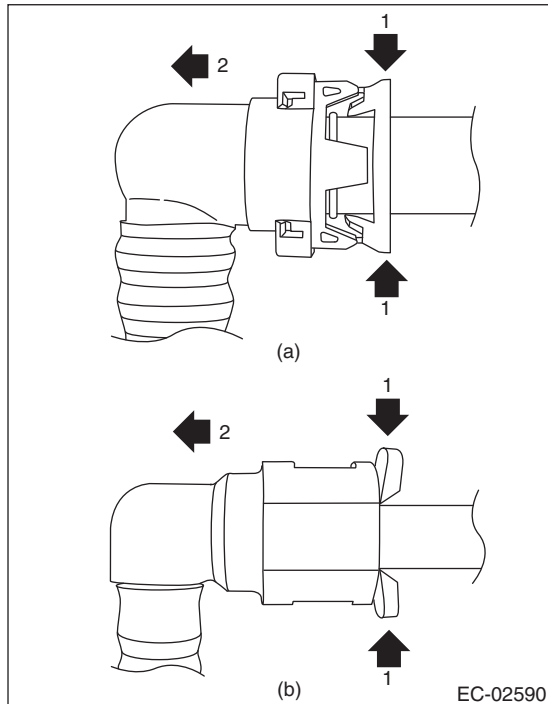
6) Remove the fuel tank. <Ref. to FU(H4DOTC)-67, REMOVAL, Fuel Tank.>

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

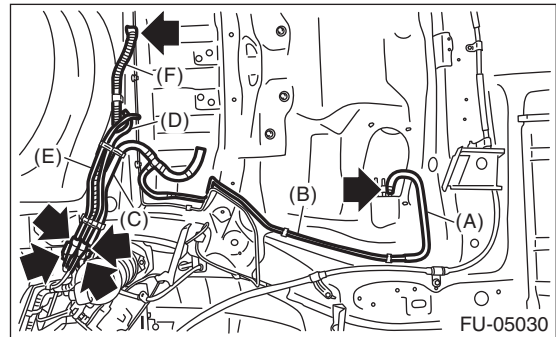
8) Remove the purge hose (A), purge pipe (B), air vent hose (C), PCV outlet hose (D), PCV drain hose (E) and drain tube assembly (F).

NOTE:

Disconnect the quick connector as shown in the figure.



- (a) Air vent hose (C), drain tube ASSY (F)
- (b) PCV outlet hose (D), PCV drain hose (E)



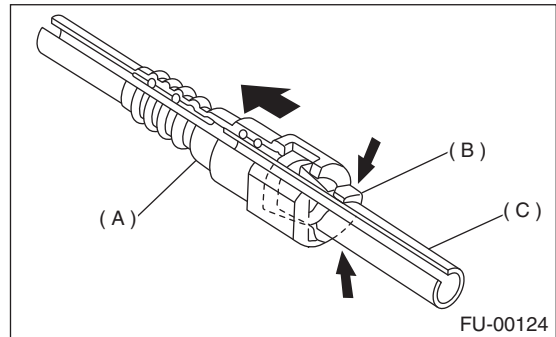
9) Remove the fuel pipe assembly from vehicle.

10) Disconnect the quick connector, then disconnect the fuel delivery tube, fuel return tube and fuel sub delivery tube.

(1) Push the retainer in the direction of the arrow, disconnect the quick connector from pipe.

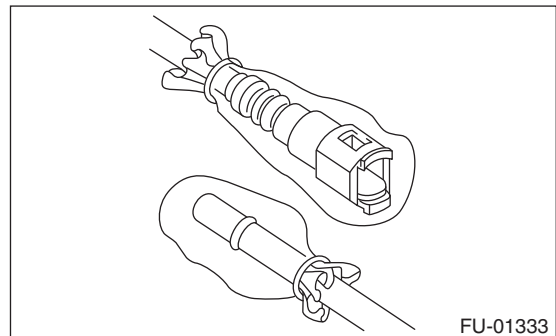
NOTE:

Clean the pipe and quick connector, if they are covered with dust.



- (A) Quick connector
- (B) Retainer
- (C) Pipe

(2) To prevent from damaging or entering foreign matter, wrap the pipes and quick connectors with plastic bag etc.



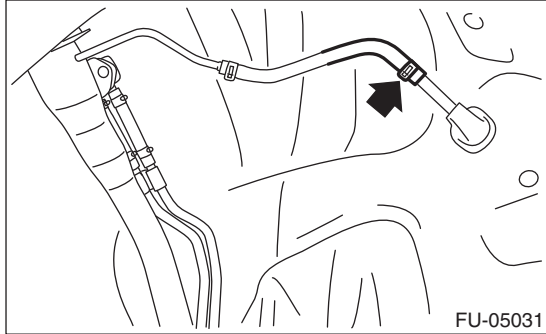
11) Remove the evaporation pipe.

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

Fuel Delivery, Return and Evaporation Lines

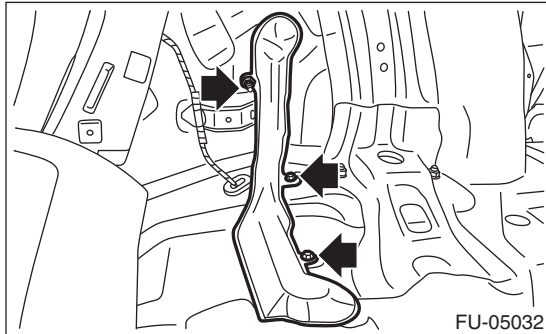
FUEL INJECTION (FUEL SYSTEMS)

(2) Remove the evaporation hose.

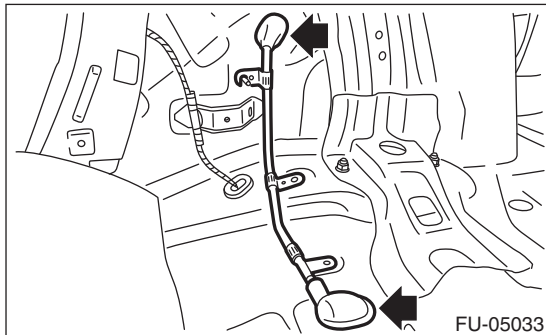


(3) Remove the trunk side trim panel assembly - side on RH. <Ref. to EI-109, REMOVAL, Rear Quarter Trim.>

(4) Remove the evaporation pipe protector.



(5) Remove the evaporation pipe from the vehicle.

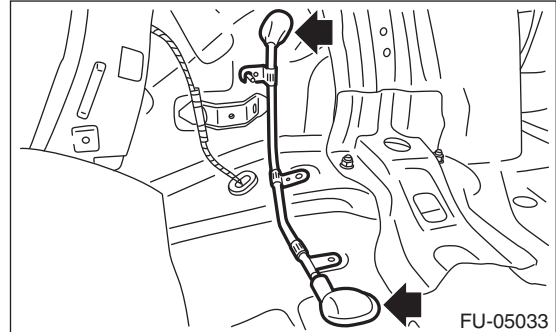


B: INSTALLATION

Install in the reverse order of removal while being careful of the following.

1. INSTALLATION OF EVAPORATION PIPE

1) Install the evaporation pipe to the vehicle.

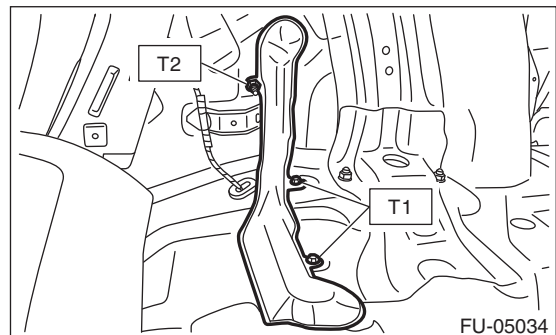


2) Install the evaporation pipe protector.

Tightening torque:

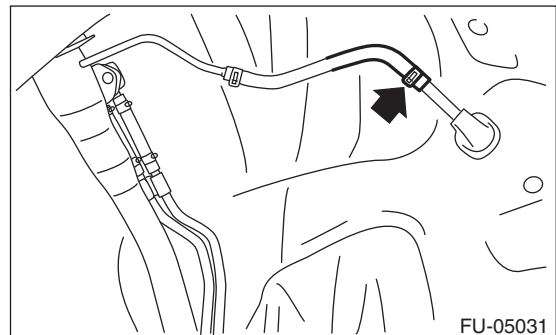
T1: 1 N·m (0.1 kgf-m, 0.7 ft-lb)

T2: 7.5 N·m (0.7 kgf-m, 5.4 ft-lb)



3) Install the trunk side trim panel assembly - side on RH. <Ref. to EI-119, INSTALLATION, Rear Quarter Trim.>

4) Install the evaporation hose.



5) Install the rear mud guard RH. <Ref. to EI-38, INSTALLATION, Mud Guard.>

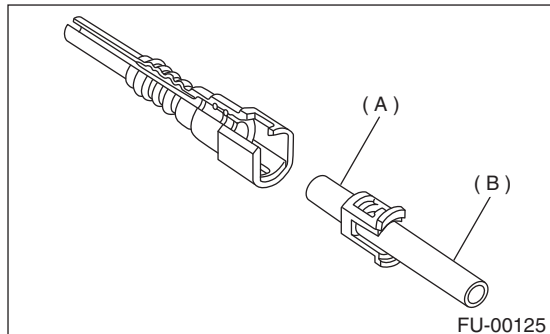
Fuel Delivery, Return and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

2. CONNECTING THE FUEL LINE QUICK CONNECTOR

CAUTION:

Make sure there are no damage or dust on connections. If necessary, clean seal surface of pipe.



- (A) Seal surface
(B) Pipe

1) Set the retainer to quick connector.

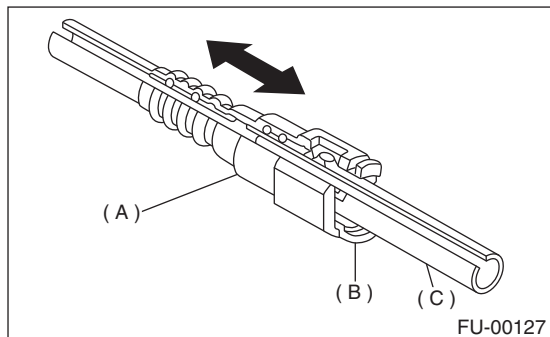
NOTE:

Use a new retainer.

2) Connect the quick connector to pipe.

CAUTION:

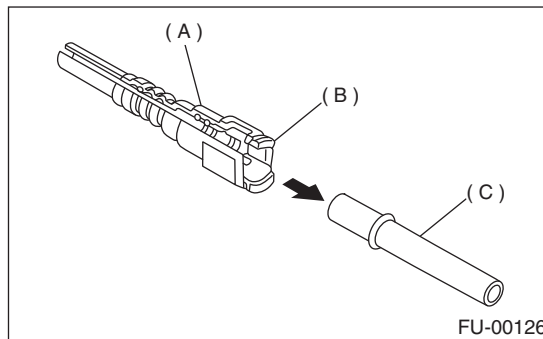
- Make sure that the quick connector is securely connected.



- (A) Quick connector
(B) Retainer
(C) Pipe

- Make sure the two retainer pawls are engaged in their mating positions in the quick connector.

- Be sure to inspect tubes and their connections for any leakage of fuel.



- (A) Quick connector
(B) Retainer
(C) Pipe

3. CONNECT FUEL DELIVERY HOSE AND FUEL RETURN HOSE.

Connect the fuel delivery hose and fuel return hose as shown in the figure.

CAUTION:

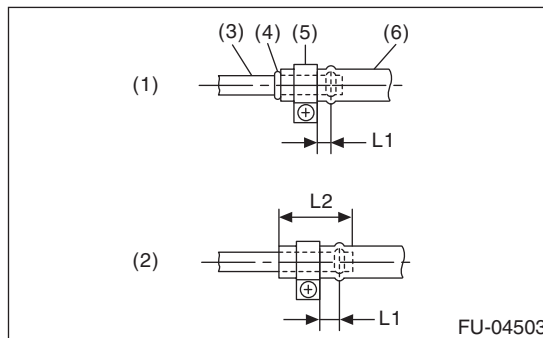
- If the connection portion has a spool or stopper, do not allow the end of the hose to bend or ride over by inserting the hose too deep.
- Be sure to inspect hoses and their connections for any leakage of fuel.

Tightening torque:

$1.25 \text{ N}\cdot\text{m}$ ($0.1 \text{ kgf}\cdot\text{m}$, $0.9 \text{ ft}\cdot\text{lb}$)

$L1: 2.5 \pm 1.5 \text{ mm}$ ($0.098 \pm 0.059 \text{ in}$)

$L2: 22.5 \pm 2.5 \text{ mm}$ ($0.886 \pm 0.098 \text{ in}$)

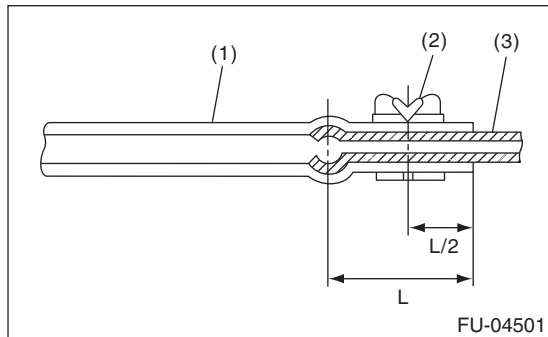


- (1) When there is a spool or stopper
(2) When there is no spool or stopper
(3) Pipe
(4) Spool or stopper
(5) Clamp
(6) Hose

4. EVAPORATION HOSE CONNECTION

Connect the evaporation hose to the pipe with an overlap of 15 to 20 mm (0.59 to 0.79 in).

$L = 17.5 \pm 2.5 \text{ mm (0.689} \pm 0.098 \text{ in)}$



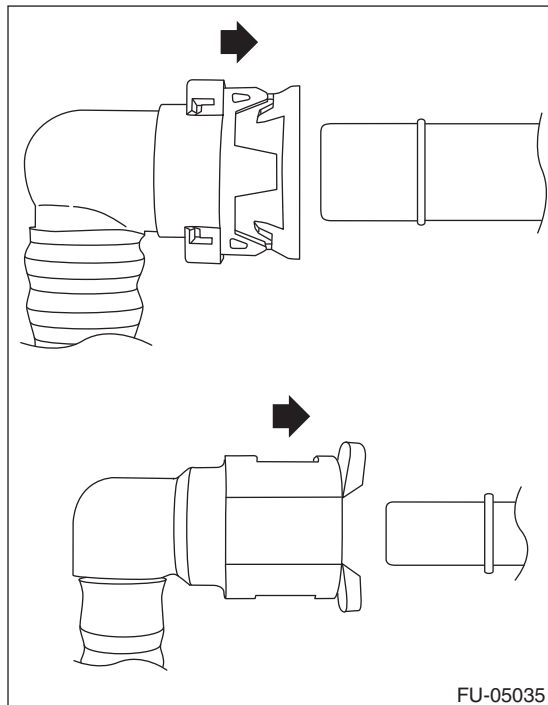
- (1) Hose
- (2) Clip
- (3) Pipe

5. CONNECTING THE EVAPORATION LINE QUICK CONNECTOR

CAUTION:

- Make sure there are no damage or dust on connections. If necessary, clean the seal surface of the pipe.
- Make sure that the quick connector is securely connected.

Connect the quick connector as shown in the figure.



C: INSPECTION

- 1) Check that the fuel pipe has no deformation, cracks or other damages.
- 2) Check that the hose and tube have no cracks, damage or loose part.