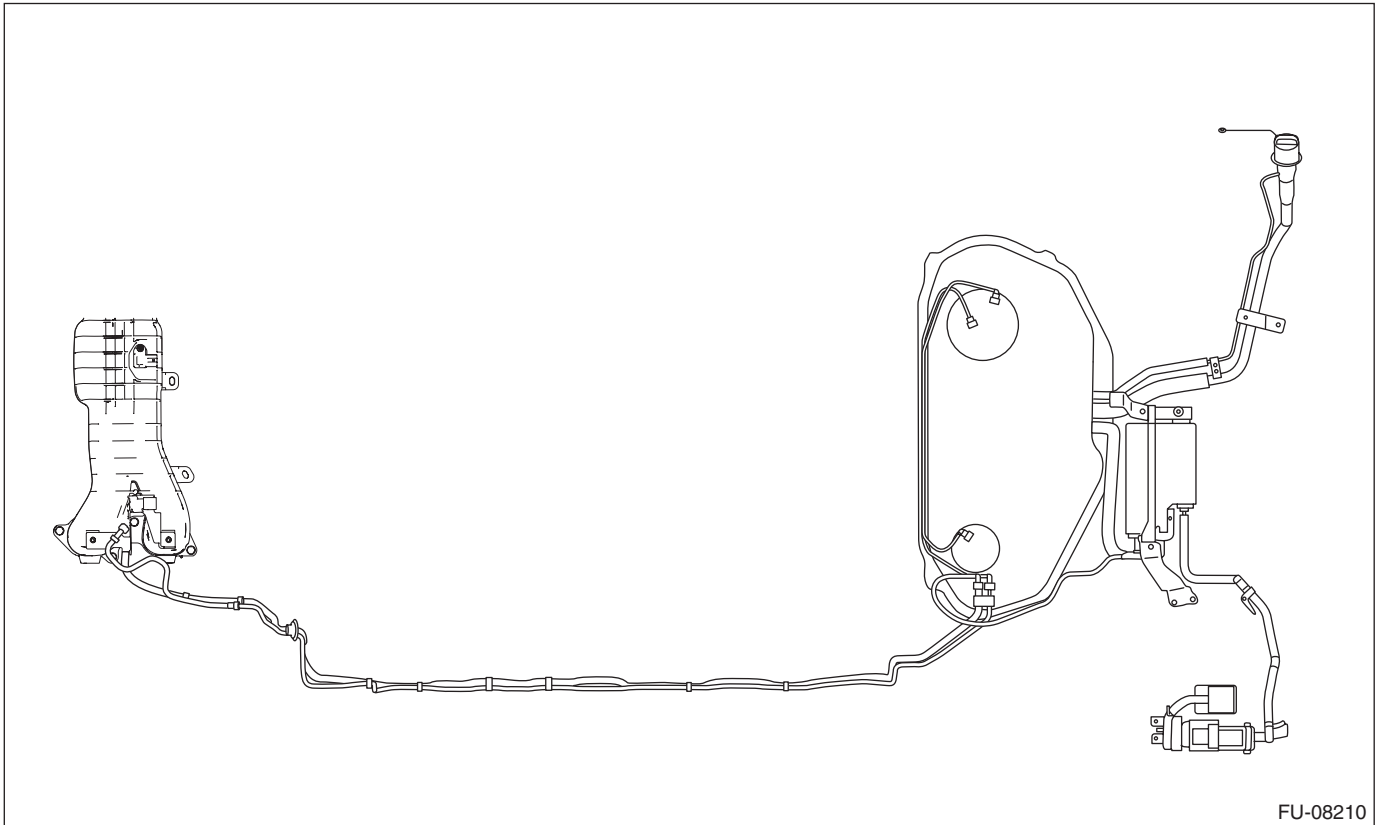


34. Fuel Delivery and Evaporation Lines

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(H4DO(HEV))-98, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>

2) Open the fuel filler lid and remove the fuel filler cap.

NOTE:

This operation is required to release the inner pressure of the fuel tank.

3) Remove the floor mat. <Ref. to EI-160, REMOVAL, Floor Mat.>

Fuel Delivery and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

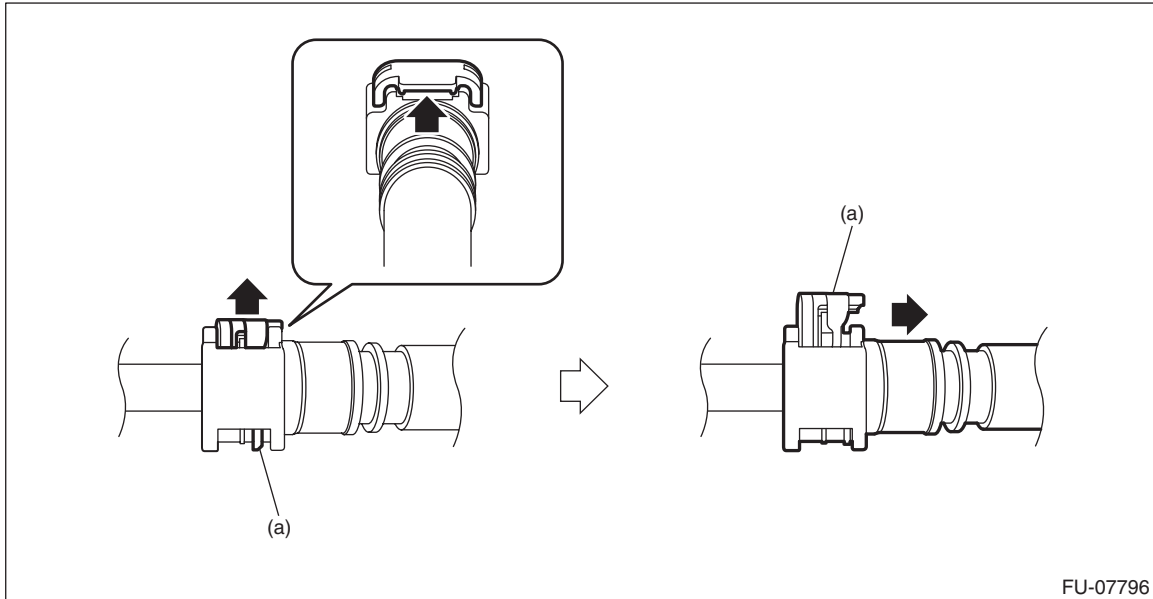
4) In the engine compartment, disconnect the fuel delivery tube (A) and evaporation hose (B).

CAUTION:

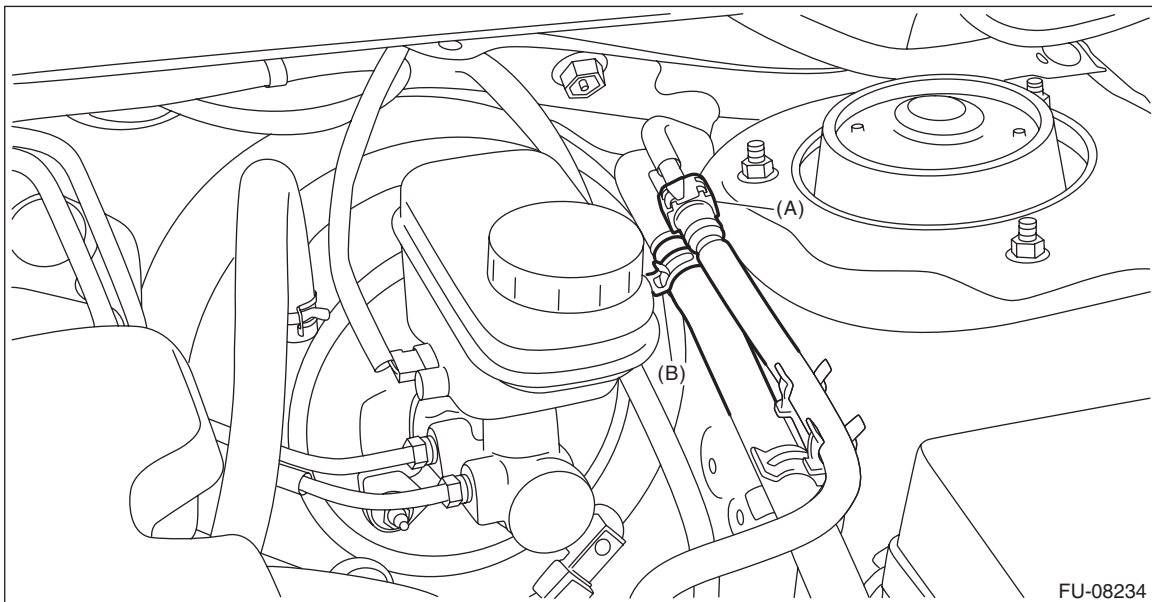
- Be careful not to spill fuel.
- Catch the fuel from the tubes using a container or cloth.

NOTE:

Disconnect the quick connector as shown in the figure.



(a) Slider



5) Remove the fuel tank. <Ref. to FU(H4DO(HEV))-105, REMOVAL, Fuel Tank.>

Fuel Delivery and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

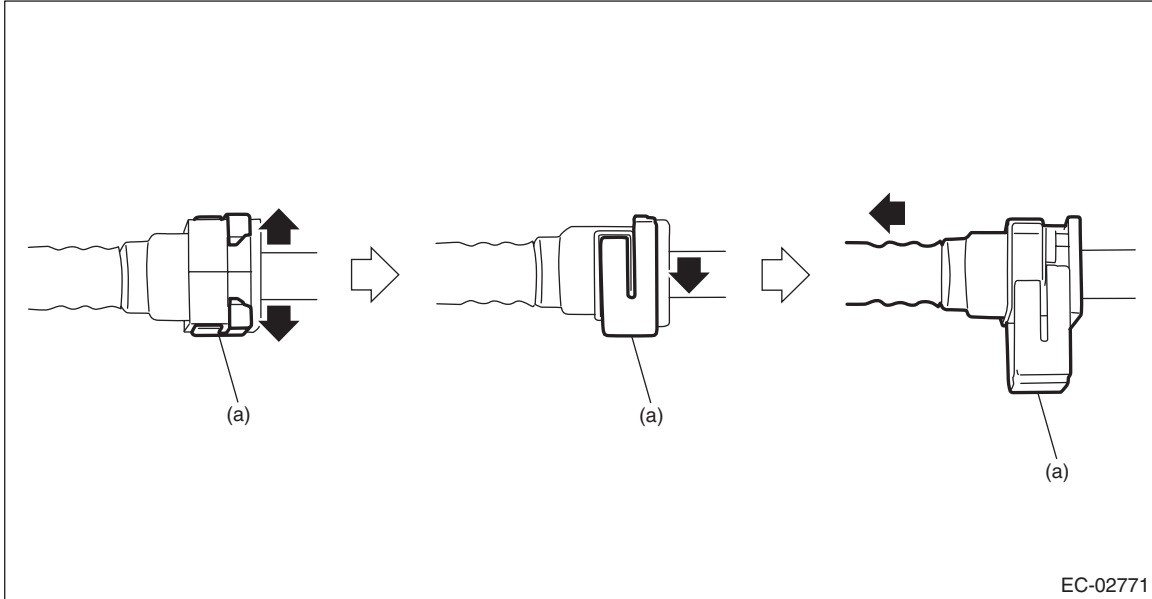
6) Disconnect the quick connector, and remove the fuel delivery tube and jet pump tube from the fuel tank.

CAUTION:

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

NOTE:

Disconnect the quick connector as shown in the figure.



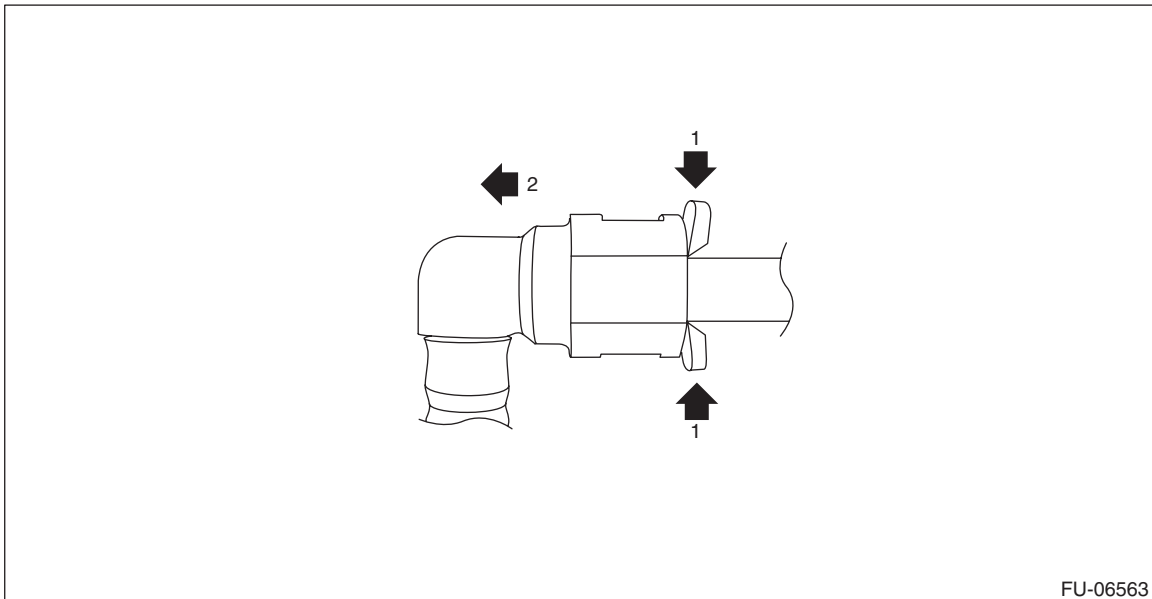
(a) Slider

7) Remove the clip (A) from the purge tube.

8) Disconnect the quick connector and remove the purge tube from the fuel pipe assembly.

NOTE:

Disconnect the quick connector as shown in the figure.



FUEL INJECTION (FUEL SYSTEMS)

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

- Be careful not to spill fuel.
- Catch the fuel from hoses using a container or cloth.
- To disconnect the connector, hold (D) shown in the figure and pull in axial direction.
- If the connector and pipe are sticking to each other, push and pull the connector with the retainer pushed in the direction of the arrow, and then pull the connector after it starts moving freely.
- When disconnecting the connector, do not bend or twist the tube forcibly. If the tube is bent, replace with a new part.

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



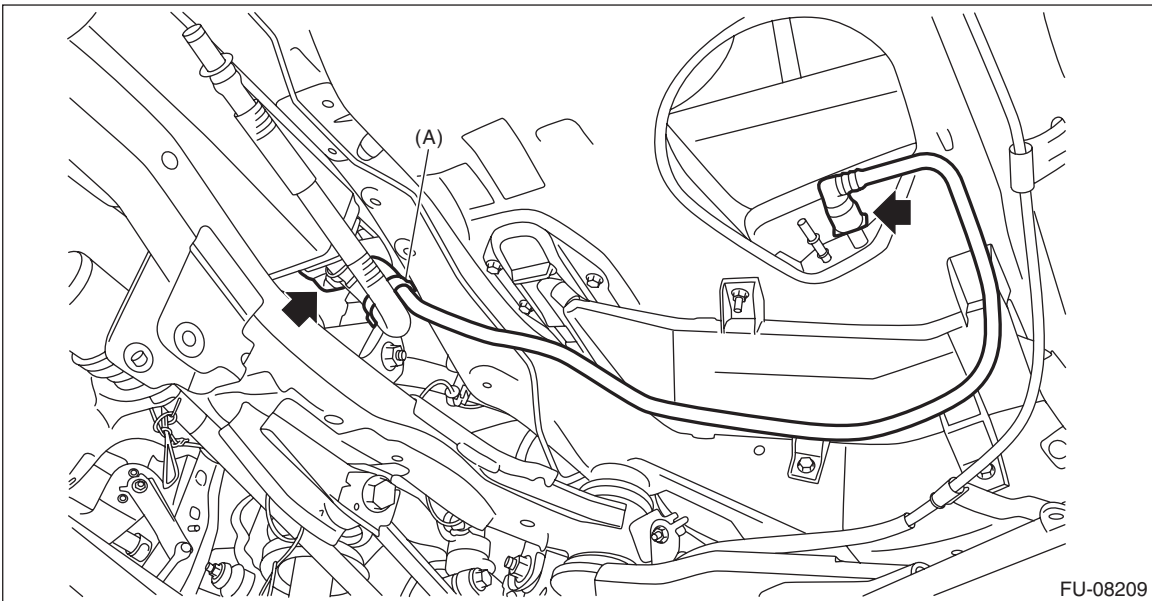
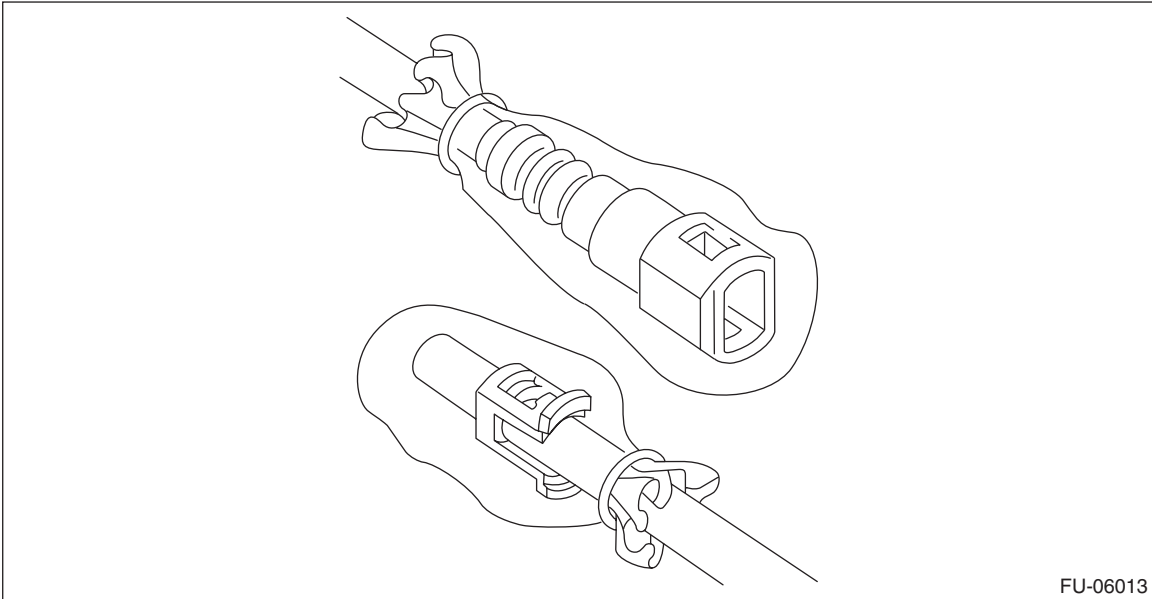
Fuel Delivery and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

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

CAUTION:

When reusing the retainer, do not disconnect the retainer from the pipe.



10) Remove the fuel pipe assembly from vehicle.

Fuel Delivery and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

B: INSTALLATION

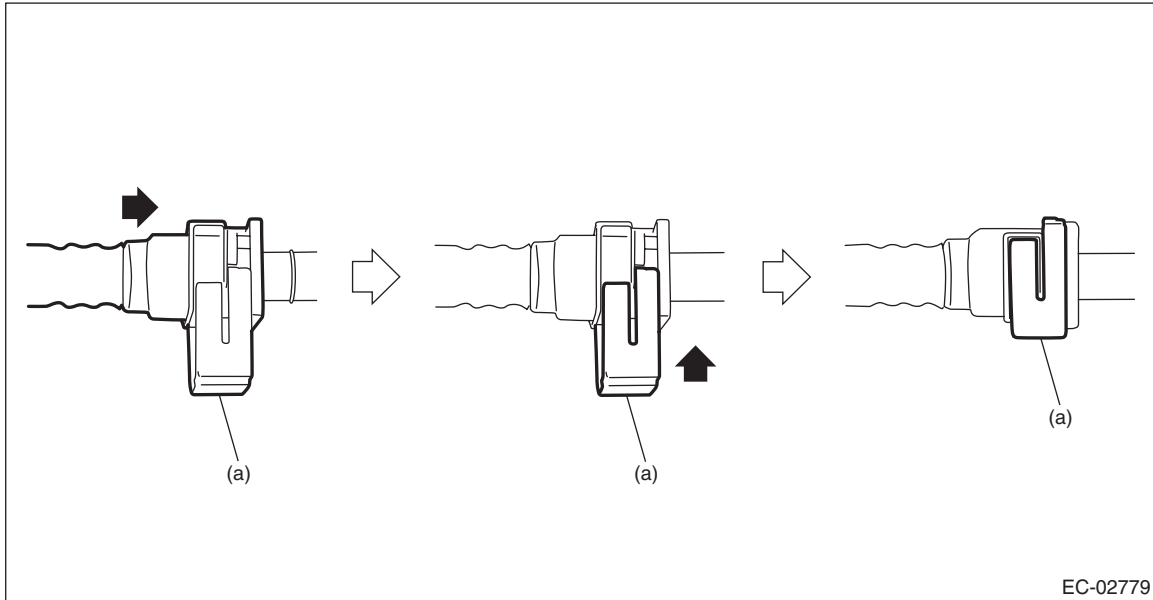
Install in the reverse order of removal while being careful of the following.

1. CONNECTING THE FUEL LINE QUICK CONNECTOR

Connect the quick connector as shown in the figure.

CAUTION:

- Check that there is no damage or dust on the quick connector. If necessary, clean the seal surface of the pipe.
- When connecting the quick connector, make sure to insert it all the way in before locking the slider.
- When it is difficult to lock the slider, check that the connector is fully inserted.
- After locking the slider, check again that the quick connector is securely connected.



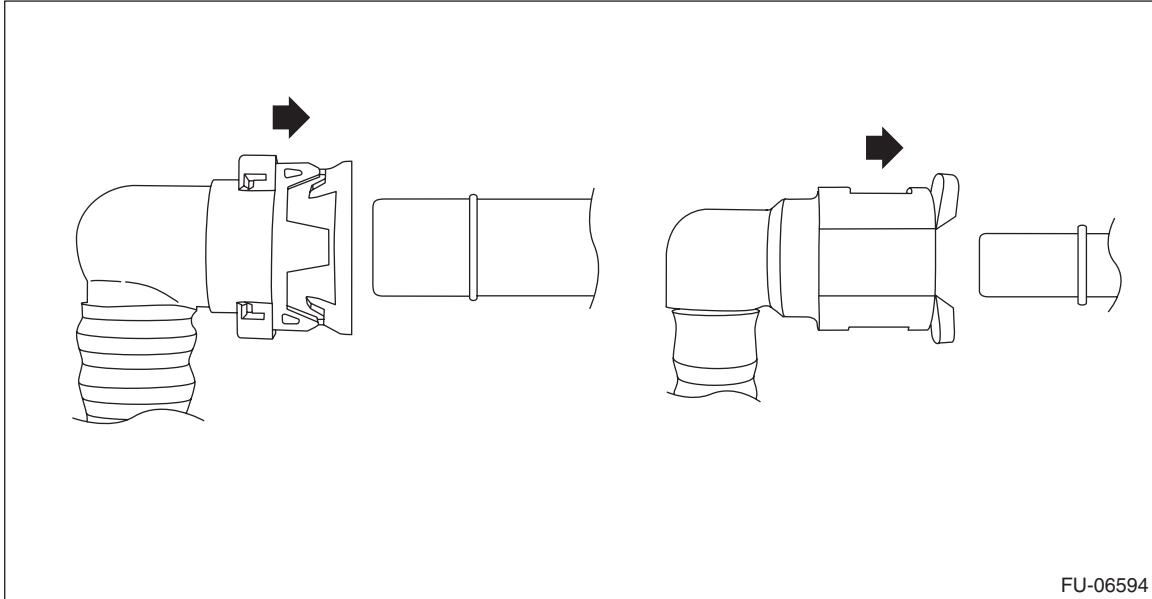
(a) Slider

2. CONNECTING THE EVAPORATION LINE QUICK CONNECTOR

Connect the quick connector as shown in the figure.

CAUTION:

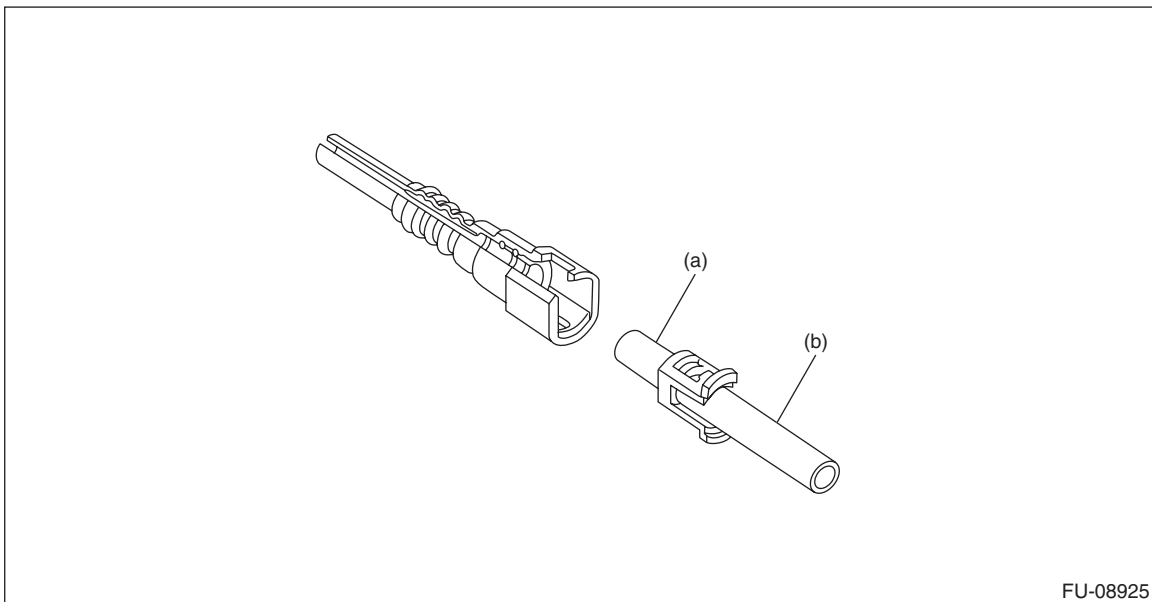
- Check that there is no damage or dust on the quick connector. If necessary, clean the seal surface of the pipe.
- Make sure that the quick connector is securely connected.



3. CONNECTION OF QUICK CONNECTOR OF PURGE TUBE (CANISTER SIDE)

CAUTION:

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



(a) Seal surface

(b) Pipe

- When reusing the retainer, make sure that neither scratches nor deformation exist on the retainer. If it is faulty, use a new part.

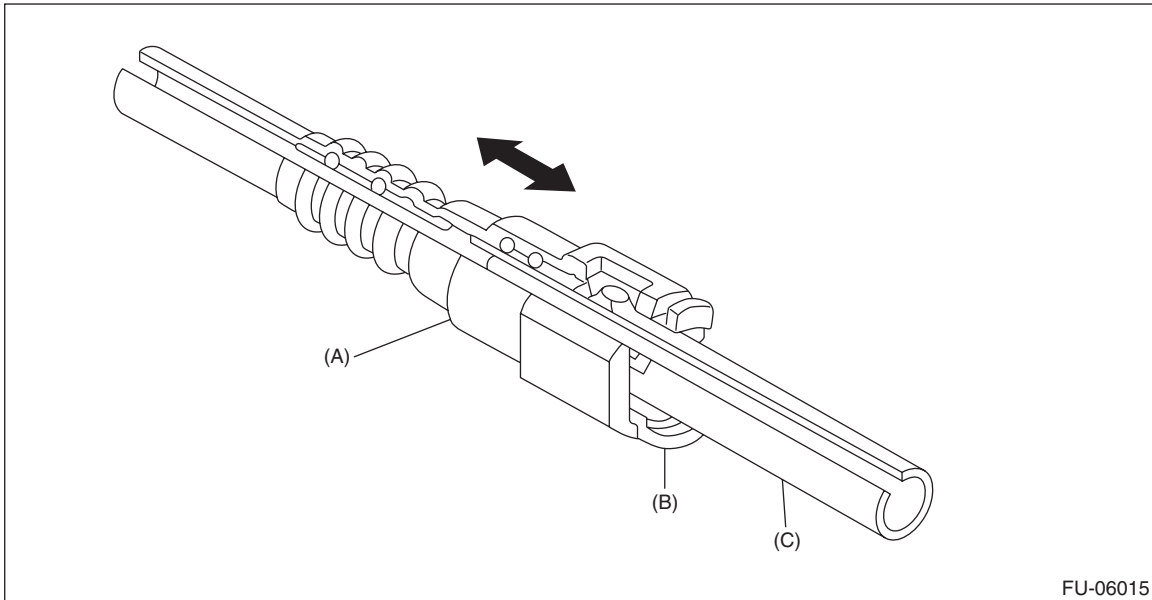
Fuel Delivery and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

1) Connect the quick connector to pipe.

CAUTION:

- Make sure that the quick connector is securely connected.

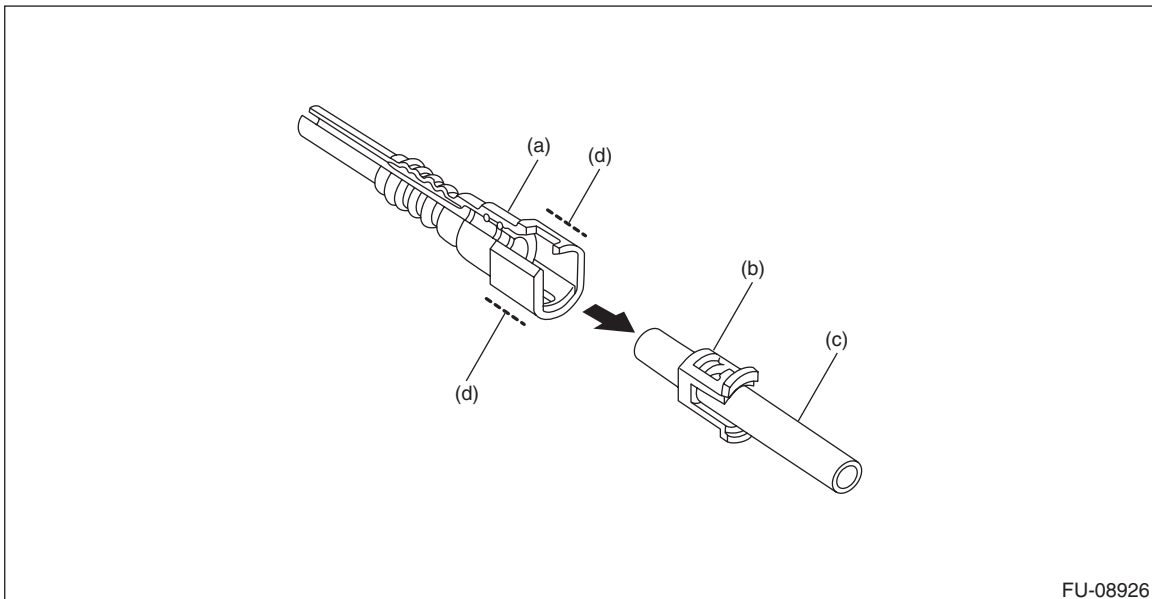


(A) Quick connector

(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.
- To connect the connector, hold (d) shown in the figure and push in axial direction.
- When connecting the connector, do not bend or twist the tube forcibly. If the tube is bent, replace with a new part.



(a) Quick connector

(c) Pipe

(b) Retainer

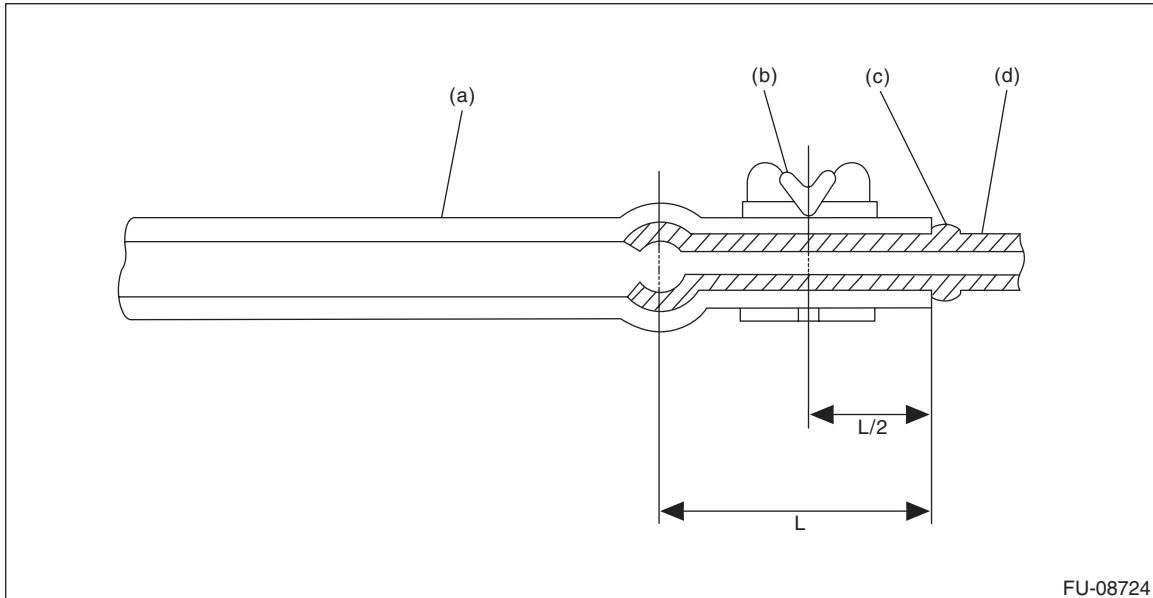
(d) Connector holding position

4. EVAPORATION HOSE CONNECTION

Connect the evaporation hose by inserting it to the pipe until the hose reaches the spool or bump.

NOTE:

If there is no spool nor bump, connect the evaporation hose by inserting it at 15 to 20 mm (0.6 to 0.8 in) to the pipe.



(a) Hose

(c) Spool or bump

(d) Pipe

(b) Clip

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.