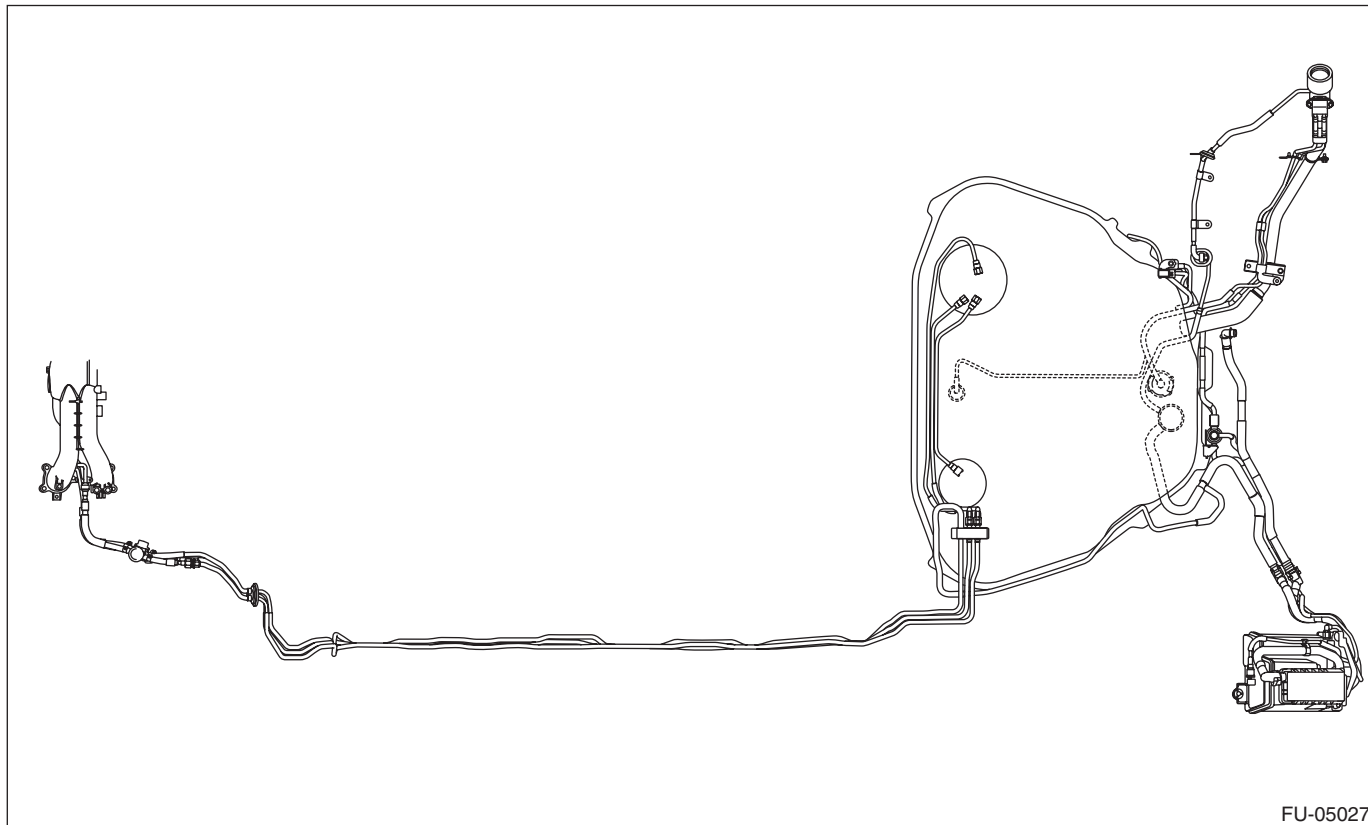


Fuel Delivery, Return and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

31.Fuel Delivery, Return and Evaporation Lines

A: REMOVAL



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

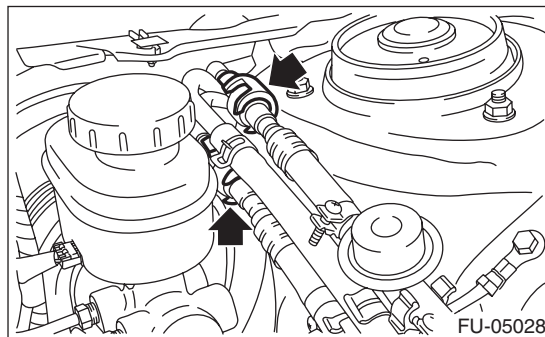
CAUTION:
Be careful not to spill fuel.

- 1) Set the vehicle on a lift.
- 2) Release the fuel pressure. <Ref. to FU(H4DOTC)-66, 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-162, 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.

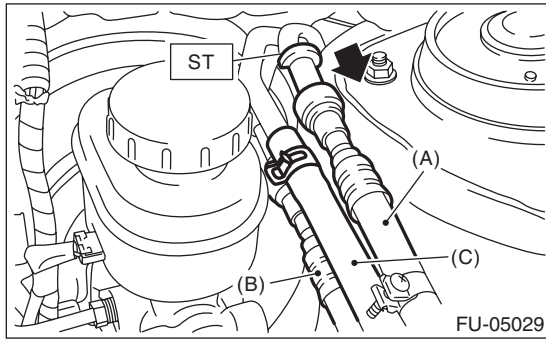


- (2) Set the ST to the fuel pipe.
ST 42099AE000 QUICK CONNECTOR RELEASE
- (3) Disconnect the quick connector of the fuel delivery hose and fuel return hose by pushing the ST in the direction of the arrow.

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

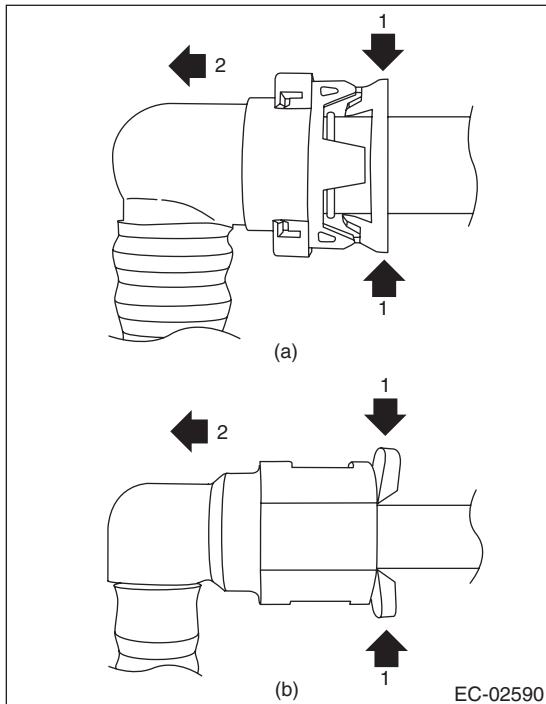
6) Remove the fuel tank. <Ref. to FU(H4DOTC)-68, REMOVAL, Fuel Tank.>

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

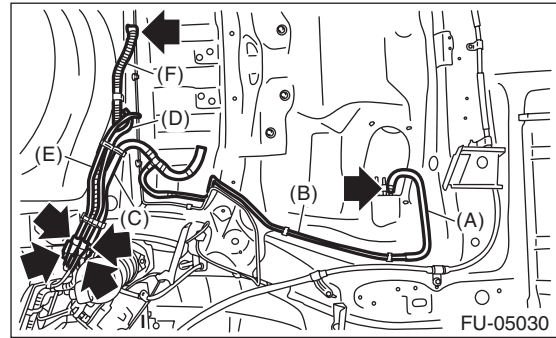
8) Remove the purge hose (A), purge pipe (B), air vent hose (C), PCV outlet hose (D), PCV drain hose (E) and drain tube assembly (F).

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.

• When using ST

1. Attach ST to the pipe and push ST in the direction of arrow mark to disconnect the quick connector.

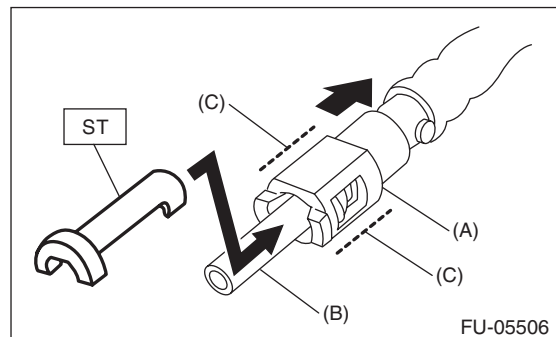
ST 42099AE000 QUICK CONNECTOR RELEASE

CAUTION:

- Be careful not to spill fuel.
- Catch the fuel from hoses using a container or cloth.
- To disconnect the connector, hold (C) 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 ST pushed, and then pull the connector after it started moving freely.
- When disconnecting the connector, do not bend or twist the tube forcibly. If the tube is bent, replace with a new part.

NOTE:

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



- (A) Quick connector
- (B) Pipe
- (C) Connector holding position

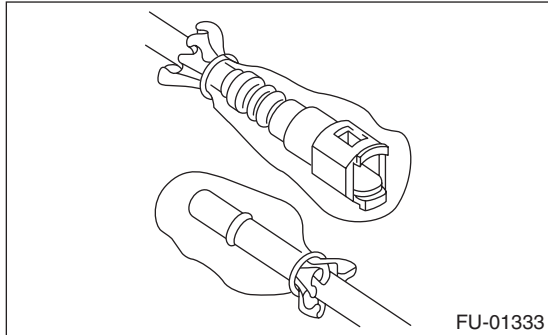
Fuel Delivery, Return and Evaporation Lines

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 connector.



- When not using ST

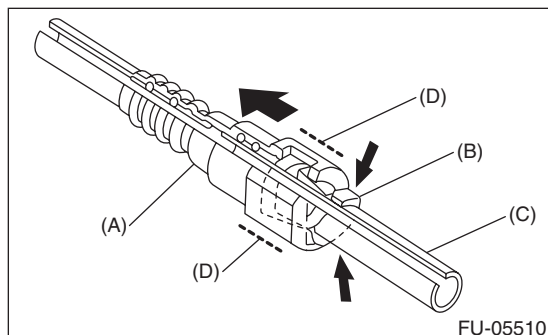
1. Push the retainer in the direction of the arrow, disconnect the quick connector from pipe.

CAUTION:

- 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 started moving freely.
- When disconnecting the connector, do not bend or twist the tube forcibly. If the tube is bent, replace with a new part.

NOTE:

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

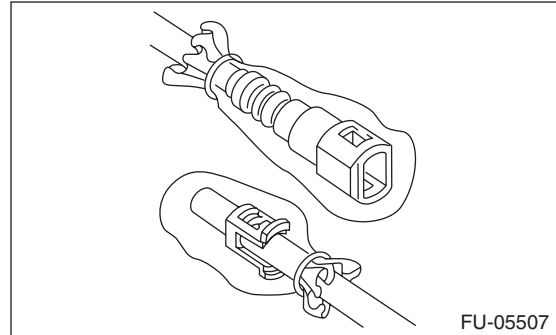


- (A) Quick connector
- (B) Retainer
- (C) Pipe
- (D) Connector holding position

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

CAUTION:

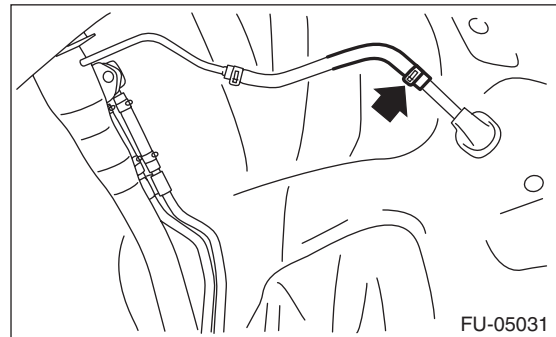
When reusing the retainer, do not disconnect the retainer from the pipe.



11) Remove the evaporation pipe.

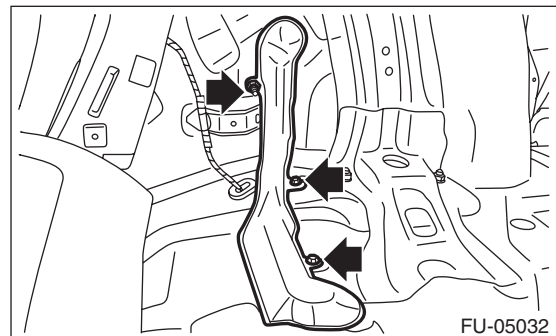
(1) Remove the rear mud guard RH. <Ref. to EI-38, REMOVAL, Mud Guard.>

(2) Remove the evaporation hose.



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

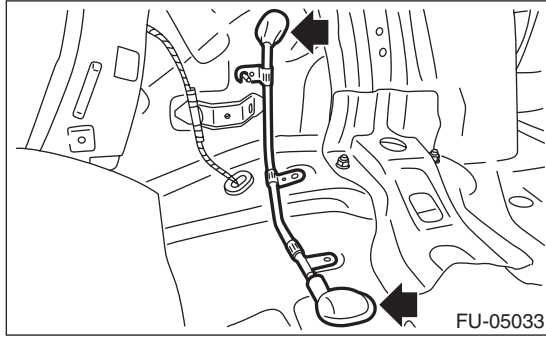
(4) Remove the evaporation pipe protector.



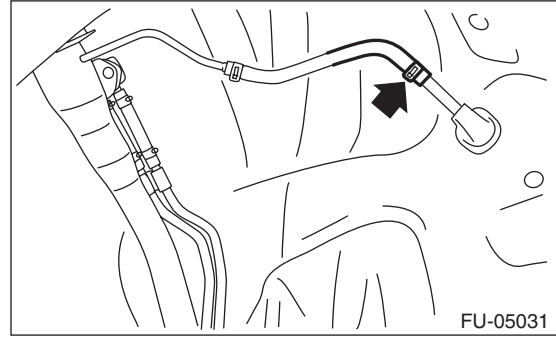
Fuel Delivery, Return and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

(5) Remove the evaporation pipe from vehicle.



4) Install the evaporation hose.

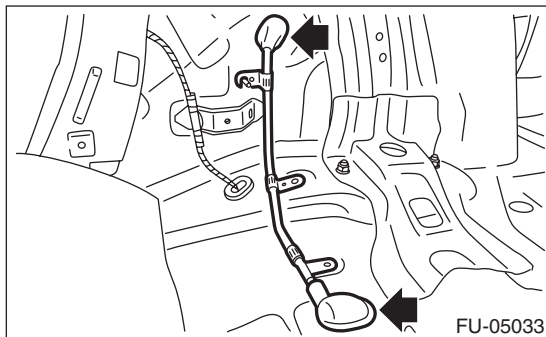


B: INSTALLATION

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.

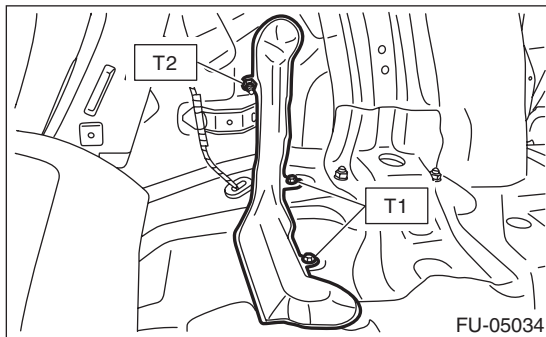


2) Install the evaporation pipe protector.

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)



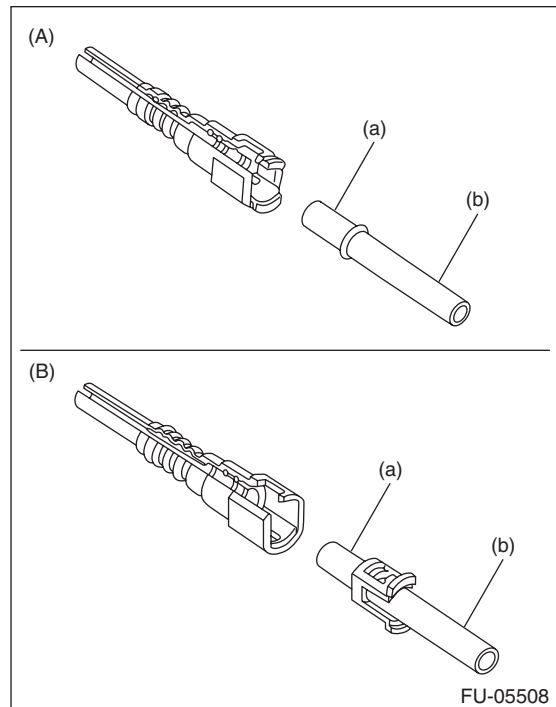
3) Install the trunk side trim panel assembly - side on RH. <Ref. to EI-119, INSTALLATION, Rear Quarter Trim.>

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

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) When removed using ST

(B) When removed without using ST

(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.

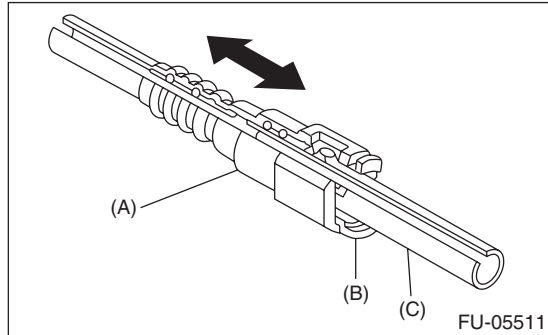
Fuel Delivery, Return and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

1) Connect the quick connector to pipe.

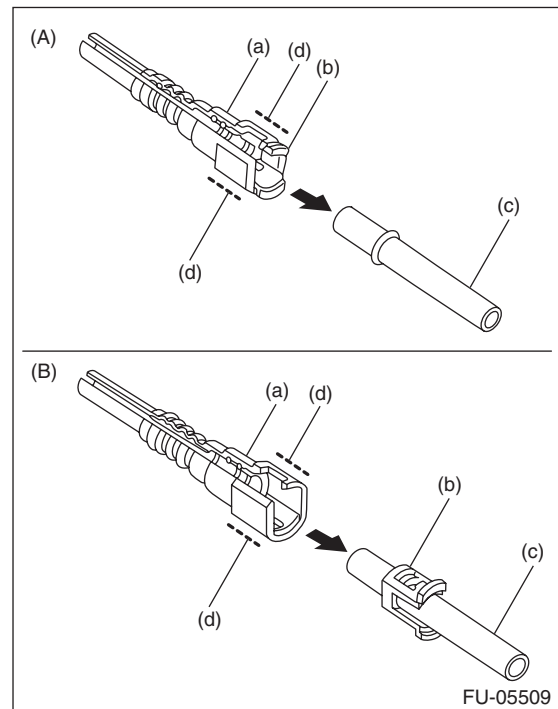
CAUTION:

- 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) When removed using ST
- (B) When removed without using ST
- (a) Quick connector
- (b) Retainer
- (c) Pipe
- (d) Connector holding position

3. CONNECT FUEL DELIVERY HOSE AND FUEL RETURN HOSE.

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

CAUTION:

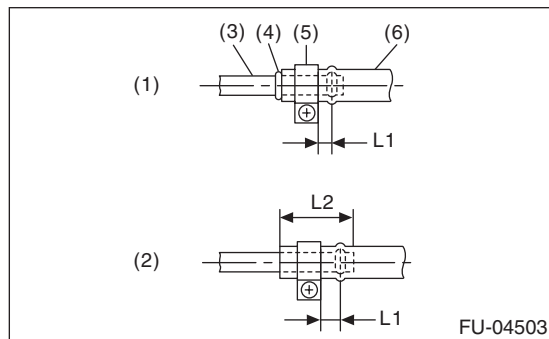
- If the connection portion has a spool or stopper, do not allow the end of the hose to bend or ride over by inserting the hose too deep.
- Be sure to inspect hoses and their connections for any leakage of fuel.

Tightening torque:

1.25 N·m (0.1 kgf-m, 0.9 ft-lb)

L1: 2.5 ± 1.5 mm (0.098 $\pm$ 0.059 in)

L2: 22.5 ± 2.5 mm (0.886 $\pm$ 0.098 in)

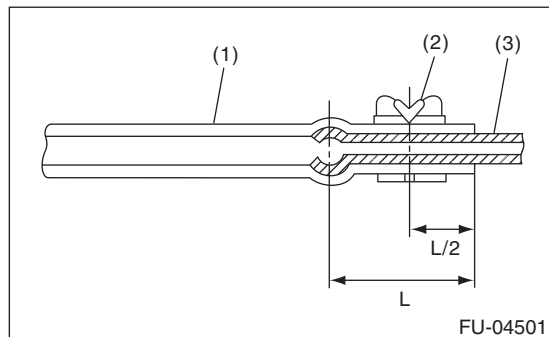


- (1) When there is a spool or stopper
- (2) When there is no spool or stopper
- (3) Pipe
- (4) Spool or stopper
- (5) Clamp
- (6) Hose

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 ± 2.5 mm (0.689 $\pm$ 0.098 in)



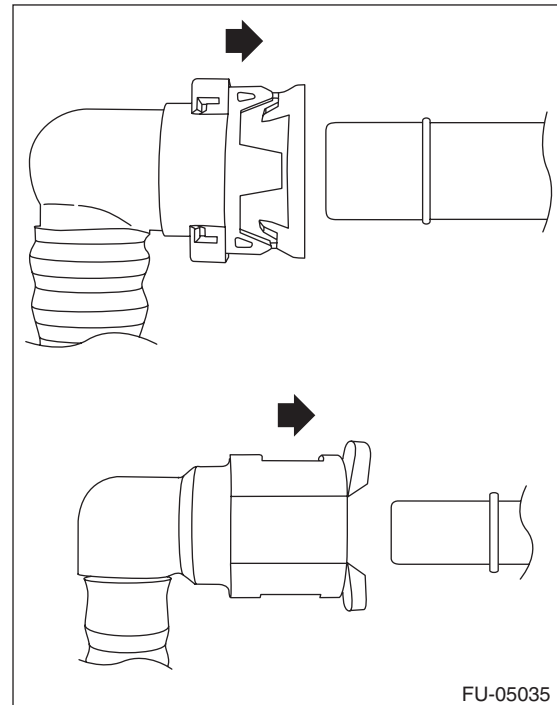
- (1) Hose
- (2) Clip
- (3) Pipe

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.