

Fuel Delivery and Evaporation Lines

FUEL INJECTION (FUEL SYSTEMS)

30. Fuel Delivery and Evaporation Lines

A: REMOVAL

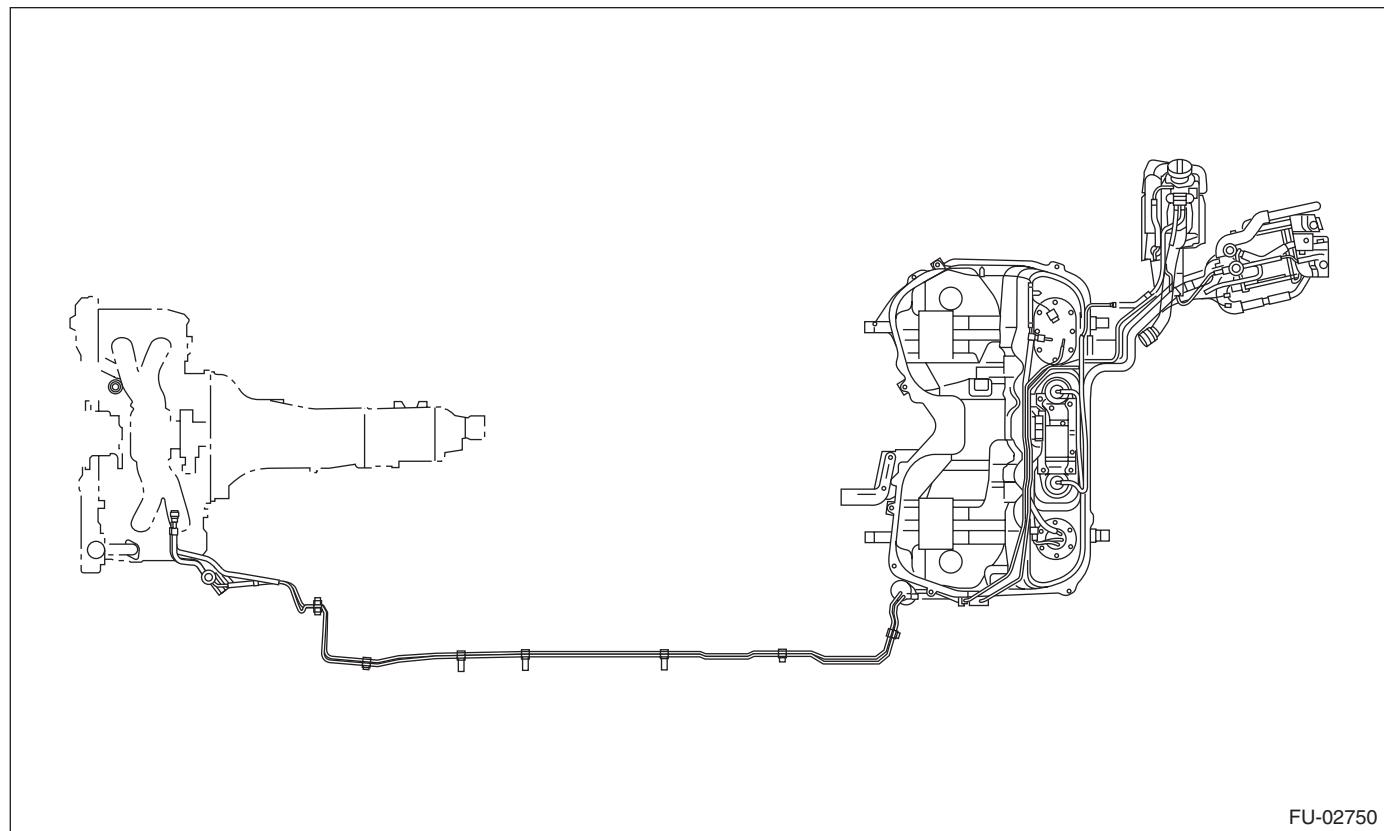
WARNING:

Place "NO FIRE" 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(H4SO)-45, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 3) Open the fuel filler flap lid, and remove the fuel filler cap.
- 4) Remove the floor mat. <Ref. to EI-47, REMOVAL, Floor Mat.>
- 5) Disconnect the fuel delivery pipes and hoses, and then disconnect the evaporation pipes and hoses.



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6) In the engine room, disconnect the fuel delivery hose and evaporation hose.

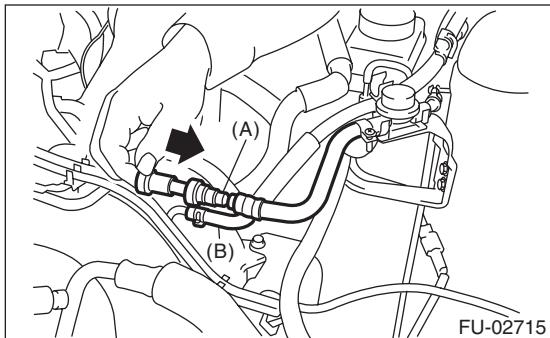
(1) Disconnect the quick connector on the fuel delivery line by pushing the ST in the direction of the arrow.

ST 42099AE000 CONNECTOR REMOVER

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

CAUTION:

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



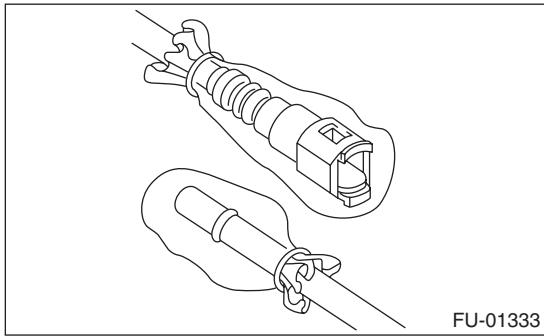
(A) Fuel delivery hose
(B) Evaporation hose

7) Lift up the vehicle.

8) Disconnect the quick connector on the fuel line.

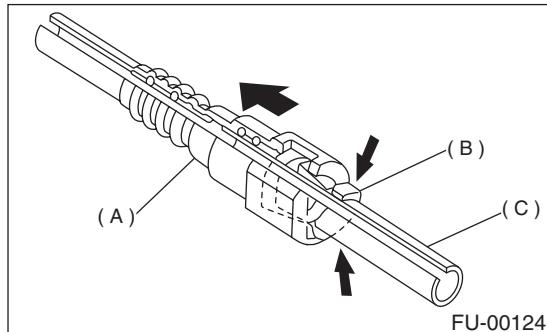
(1) Clean the pipe and connector, if they are covered with dust.

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



(3) Hold the connector (A) and push the retainer (B) down.

(4) Pull out the connector (A) from the retainer (B).



(A) Connector
(B) Retainer
(C) Pipe

B: INSTALLATION

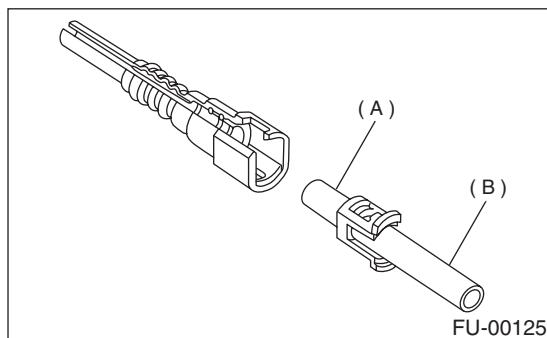
NOTE:

Replace the retainer other than in the engine room with a new part.

1) Connect the quick connector on fuel line.

CAUTION:

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

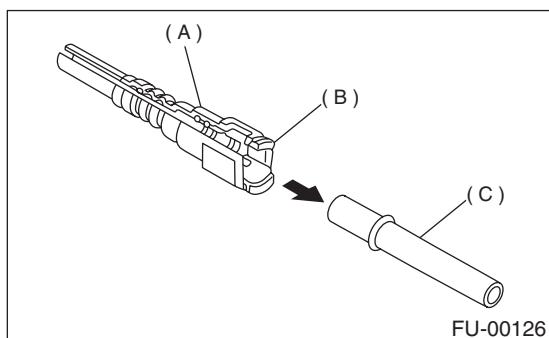


(A) Seal surface
(B) Pipe

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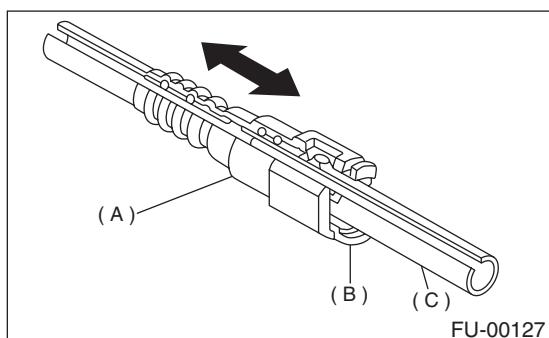
- (1) Set the new retainer (B) to connector (A).
- (2) Push the pipe into the connector completely.



(A) Connector
(B) Retainer
(C) Pipe

CAUTION:

- Pull the connector to ensure it is connected securely.
- Make sure the two retainer pawls are engaged in their mating positions in the connector.
- Be sure to inspect hoses and their connections for any leakage of fuel.



(A) Connector
(B) Retainer
(C) Pipe

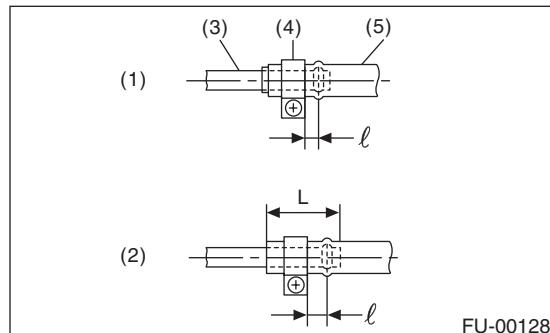
- 2) Connect the fuel delivery hose to the pipe with an overlap of 20 to 25 mm (0.79 to 0.98 in).
Type A: When the amount of inserting is specified.
Type B: When the amount to be inserted is not specified.

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

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

CAUTION:

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

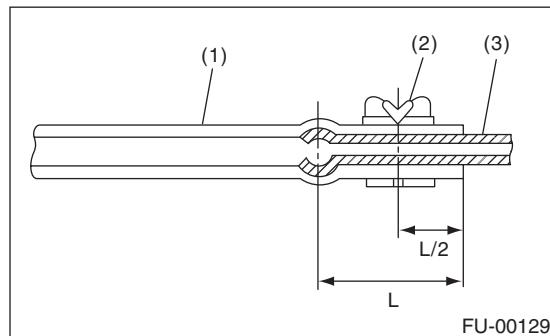


(1) Type A
(2) Type B
(3) Pipe
(4) Clamp
(5) Hose

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

Fuel evaporation hose

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



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

C: INSPECTION

- 1) Make sure that there are no cracks on the fuel pipes and fuel hoses.
- 2) Make sure the fuel pipe and fuel hose connections are tightened firmly.