

# Fuel Tank

## FUEL INJECTION (FUEL SYSTEMS)

### 25. Fuel Tank

#### A: REMOVAL

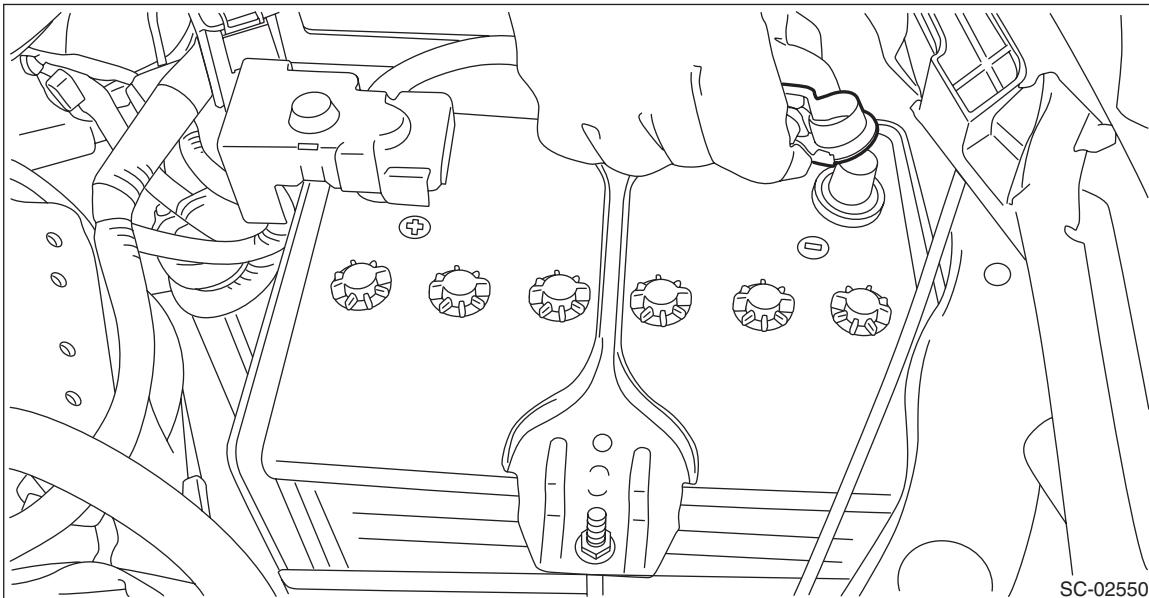
**WARNING:**

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

**CAUTION:**

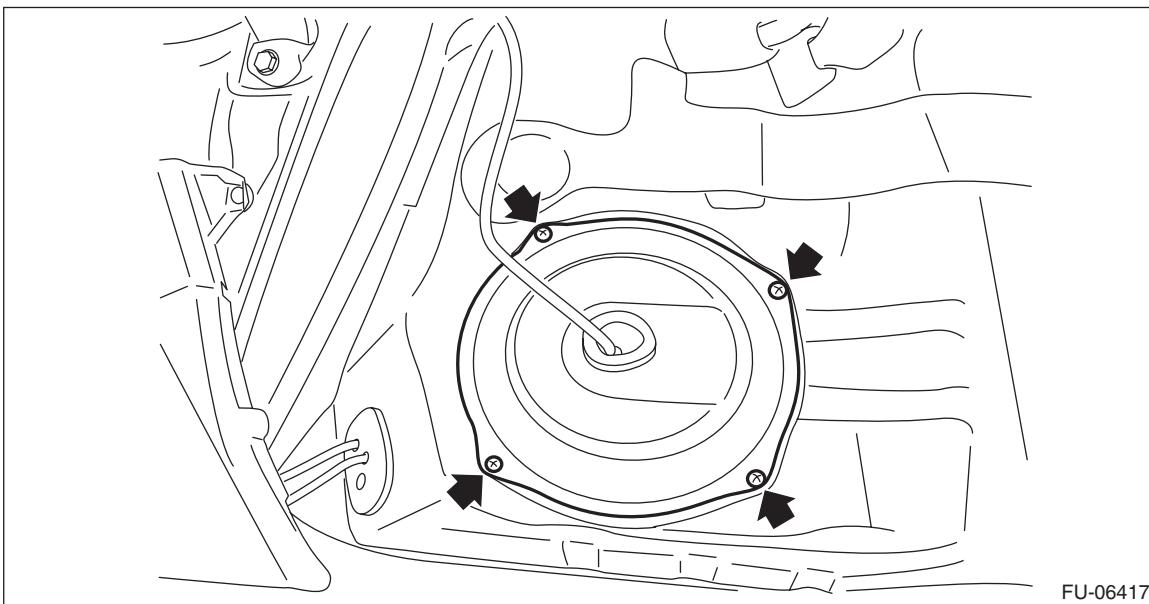
Be careful not to spill fuel.

- 1) Release the fuel pressure. <Ref. to FU(H4DO)-112, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(H4DO)-113, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.



4) Remove the rear seat cushion. <Ref. to SE-22, REMOVAL, Rear Seat.>

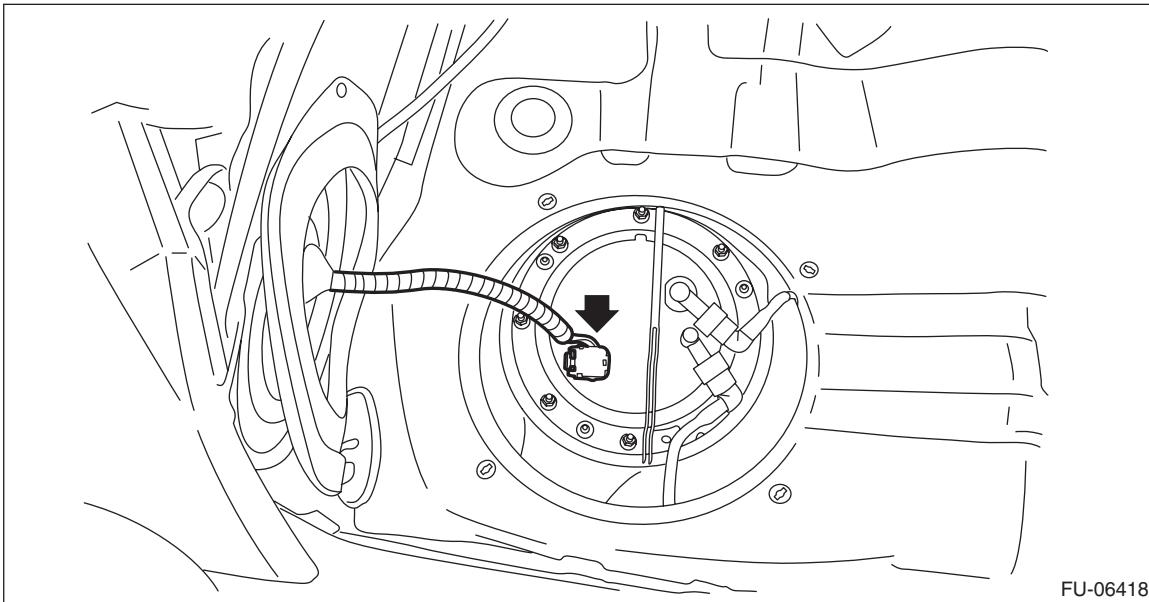
5) Remove the service hole cover of fuel pump.



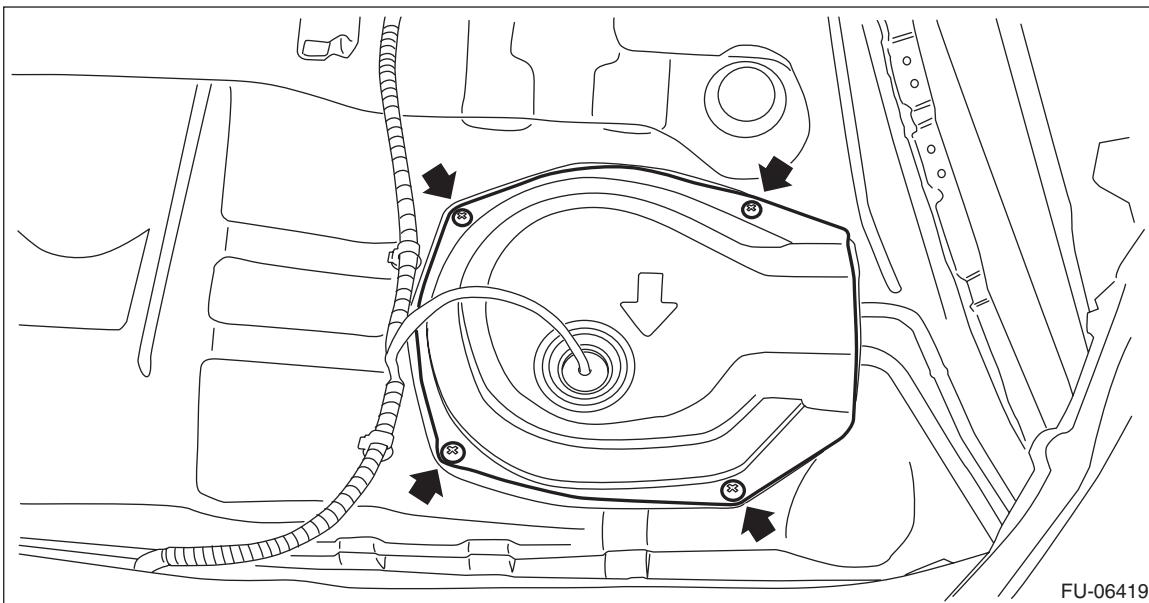
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6) Disconnect connectors from the fuel pump, and move aside the service hole cover.



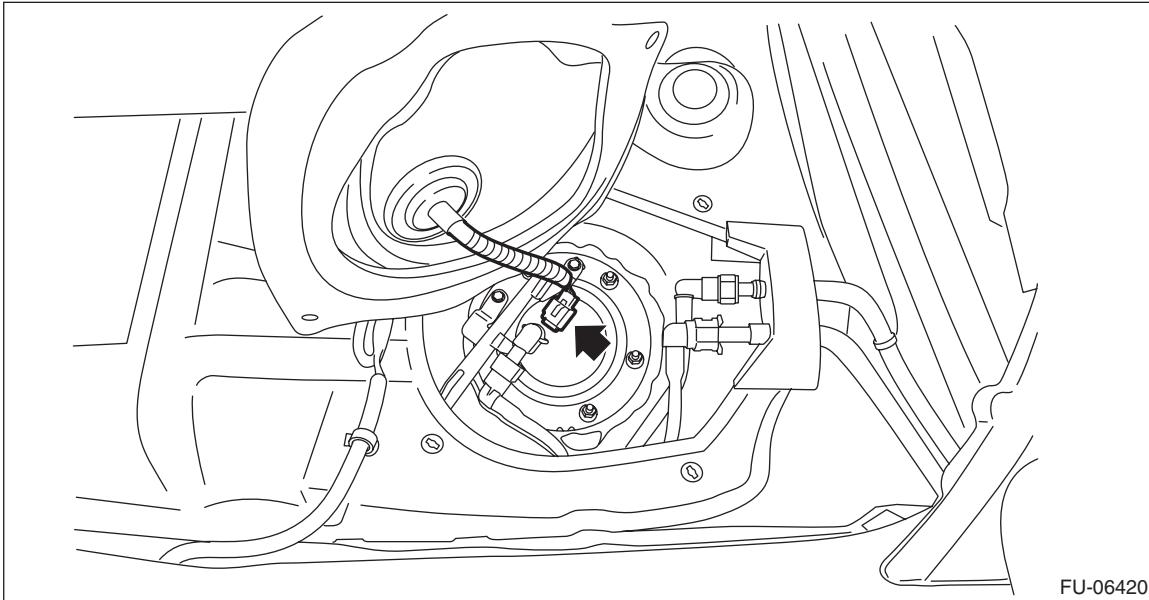
7) Remove the service hole cover of fuel sub level sensor.



## Fuel Tank

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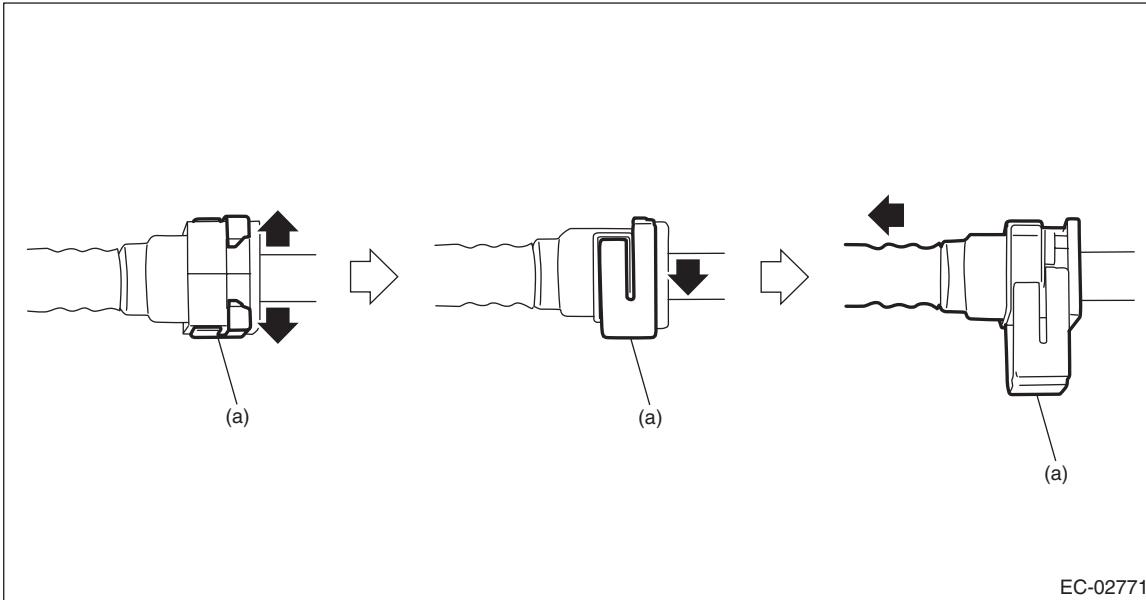
8) Disconnect connectors from the fuel sub level sensor, and move aside the service hole cover.



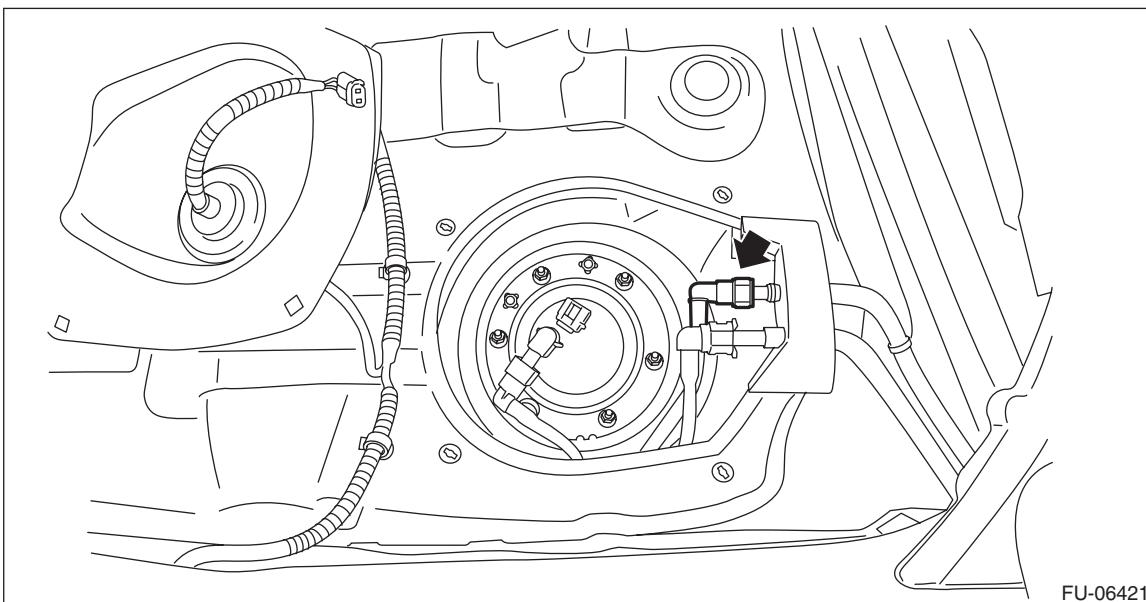
9) Disconnect the quick connector on the fuel delivery tube. <Ref. to FU(H4DO)-168, REMOVAL, Fuel Delivery and Evaporation Lines.>

NOTE:

Disconnect the quick connector as shown in the figure.



(a) Retainer



10) Lift up the vehicle.

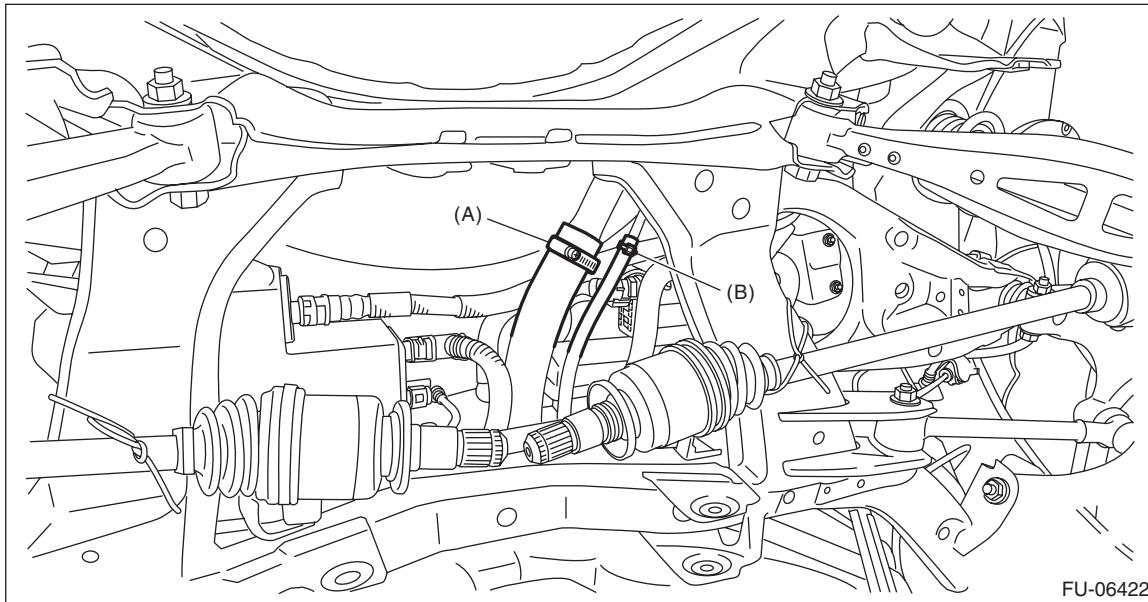
11) Remove the rear exhaust pipe and muffler. <Ref. to EX(H4DO)-15, REMOVAL, Rear Exhaust Pipe.> <Ref. to EX(H4DO)-19, REMOVAL, Muffler.>

12) Remove the rear differential. <Ref. to DI-22, REMOVAL, Rear Differential (T-type).> <Ref. to DI-41, REMOVAL, Rear Differential (VA-type).>

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13) Disconnect the fuel filler hose (A) and evaporation hose (B) from the fuel filler pipe assembly.



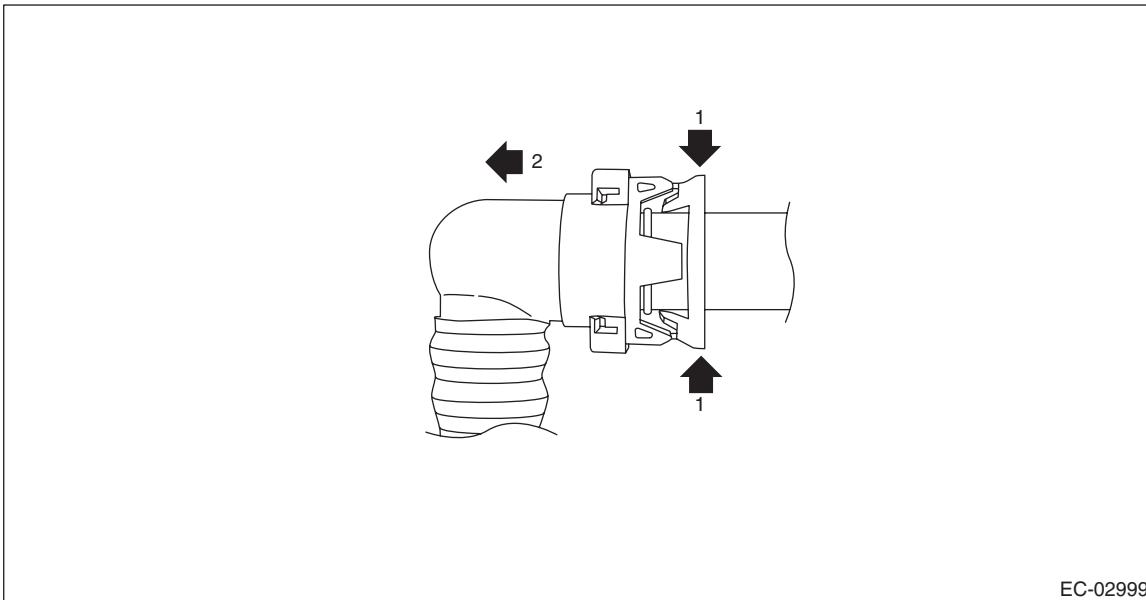
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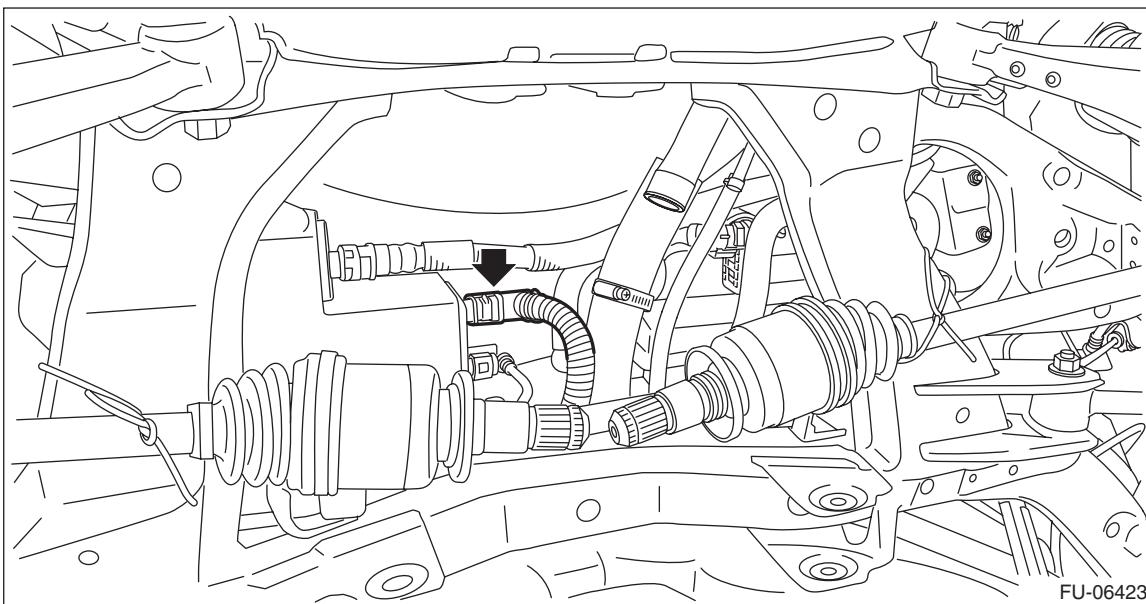
14) Disconnect the vent tube from canister.

NOTE:

Disconnect the quick connector as shown in the figure.



EC-02999

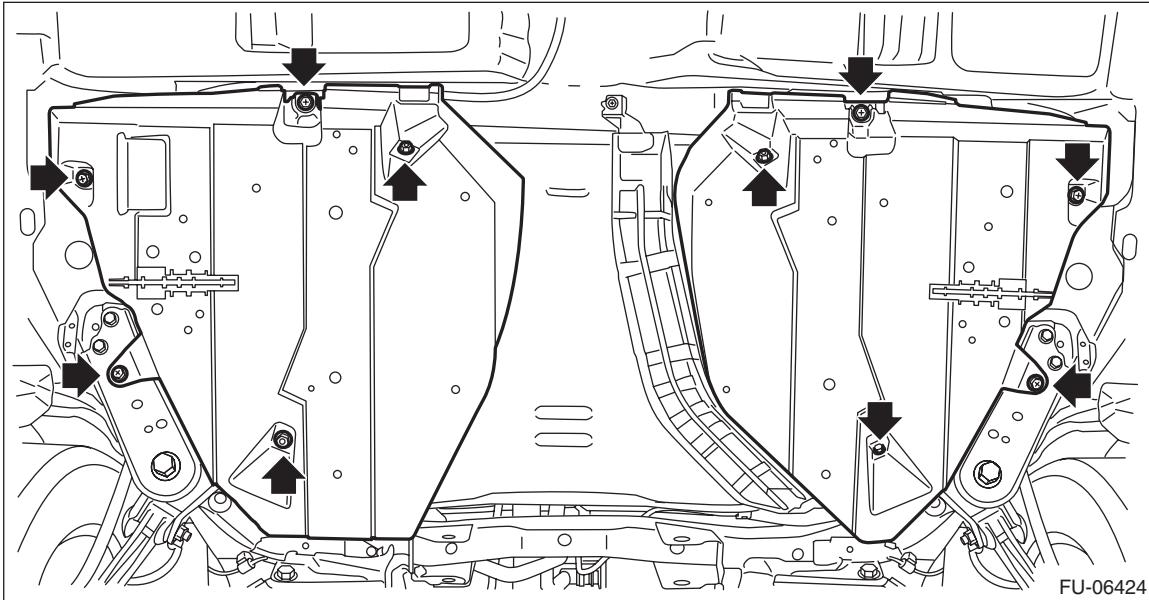


FU-06423

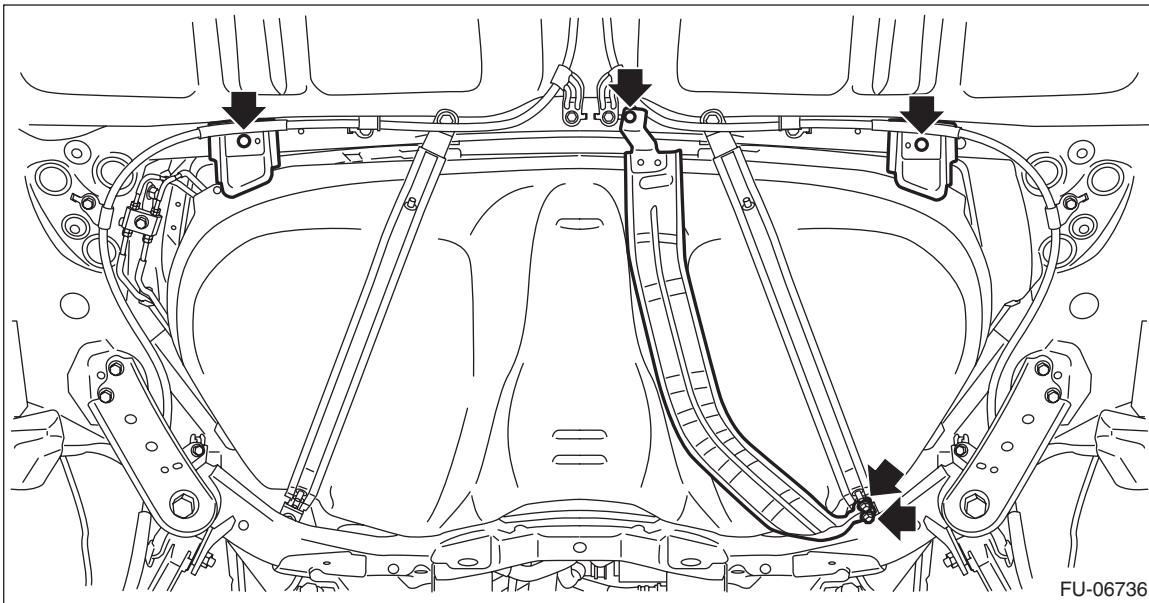
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### FUEL INJECTION (FUEL SYSTEMS)

15) Remove the fuel tank protector.



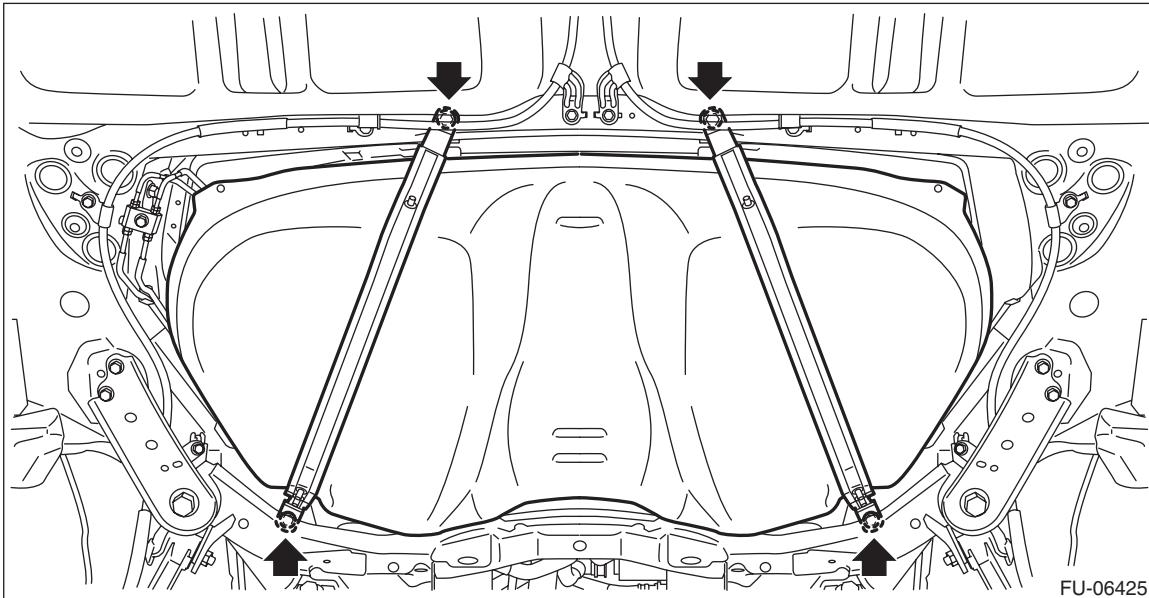
16) Remove the heat shield cover and stopper.



17) Support the fuel tank with a transmission jack, remove the bolts from the fuel tank band, and remove the fuel tank from the vehicle.

**WARNING:**

- A helper is required to perform this work.
- Fuel may remain in the fuel tank. This will cause the left and right sides to be unbalanced. Be careful not to drop the fuel tank.

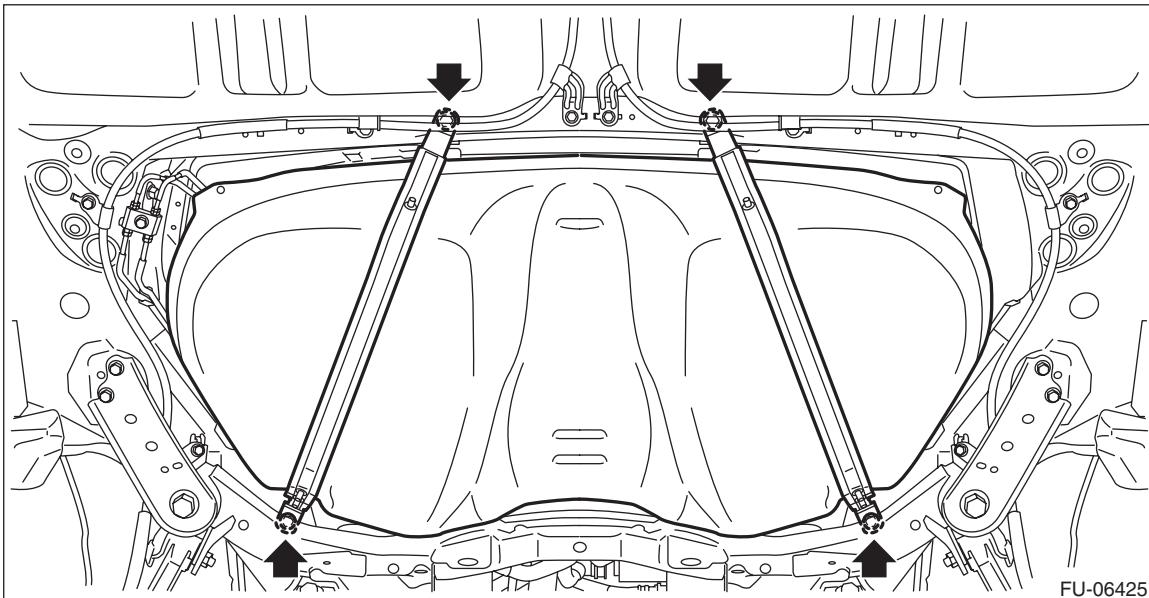


## B: INSTALLATION

1) Support the fuel tank with a transmission jack, set the fuel tank in place, and temporarily tighten the bolts of the fuel tank band.

**WARNING:**

- A helper is required to perform this work.



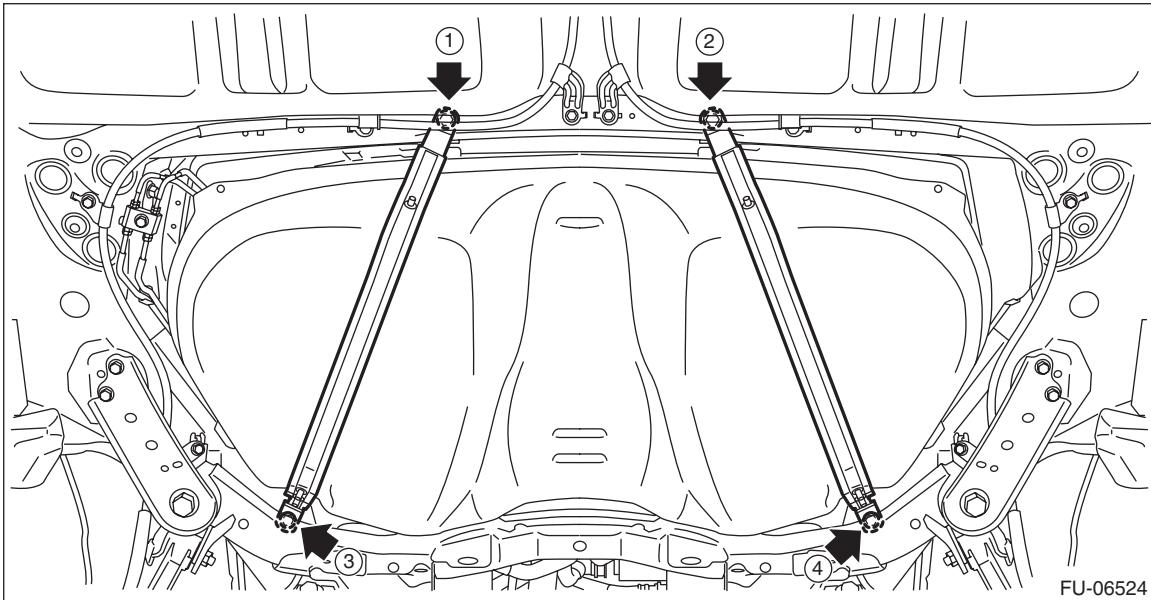
## Fuel Tank

### FUEL INJECTION (FUEL SYSTEMS)

2) Tighten the bolts of the fuel tank band in the order shown in the figure.

**Tightening torque:**

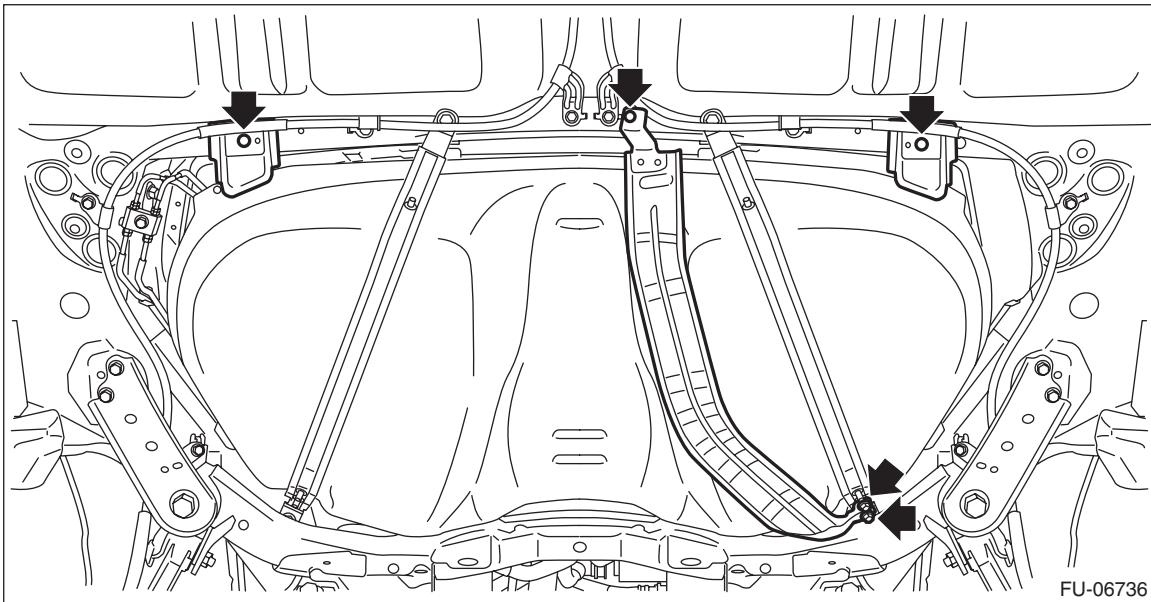
**33 N·m (3.4 kgf·m, 24.3 ft-lb)**



3) Install the heat shield cover and stopper.

**Tightening torque:**

**18 N·m (1.8 kgf·m, 13.3 ft-lb)**



4) Install the fuel tank protector.

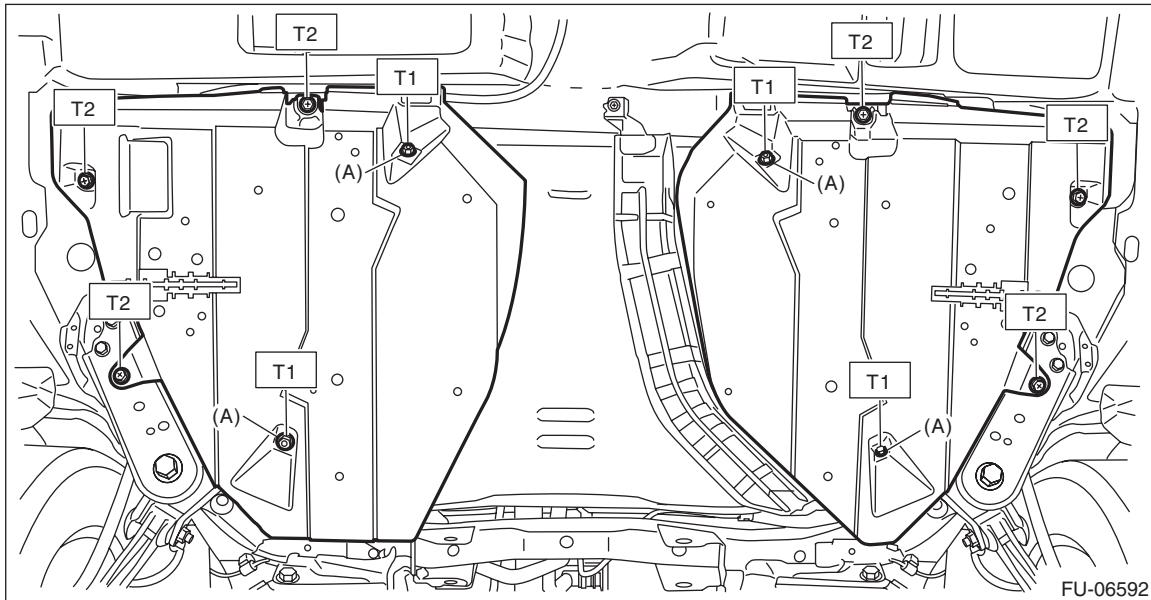
NOTE:

Use a new self-locking nut.

**Tightening torque:**

**T1: 9 N·m (0.9 kgf-m, 6.6 ft-lb)**

**T2: 18 N·m (1.8 kgf-m, 13.3 ft-lb)**



(A) Self-locking nut

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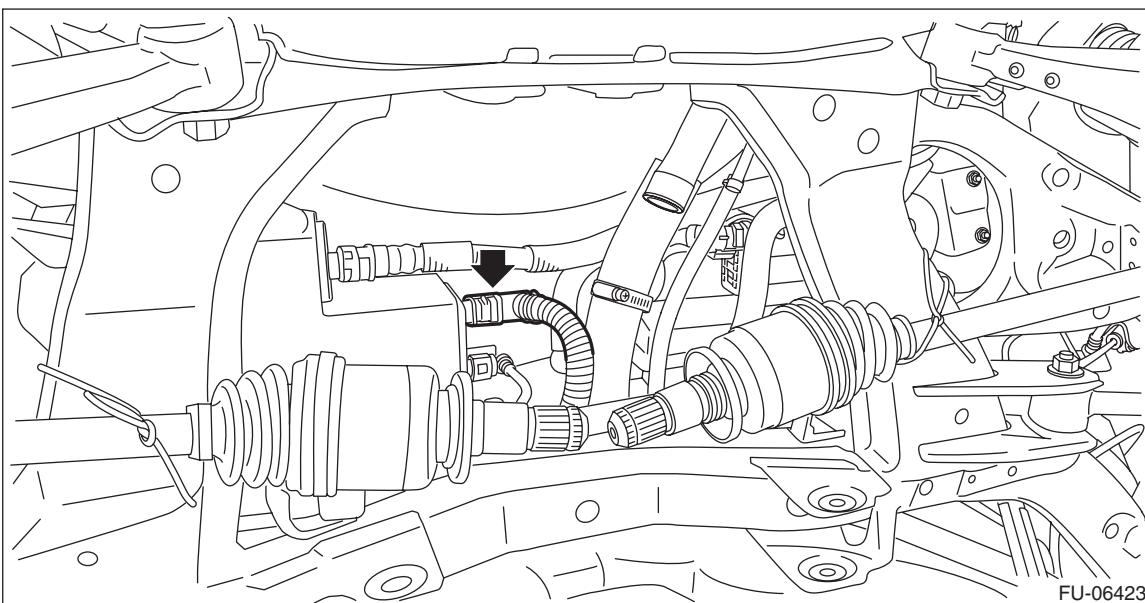
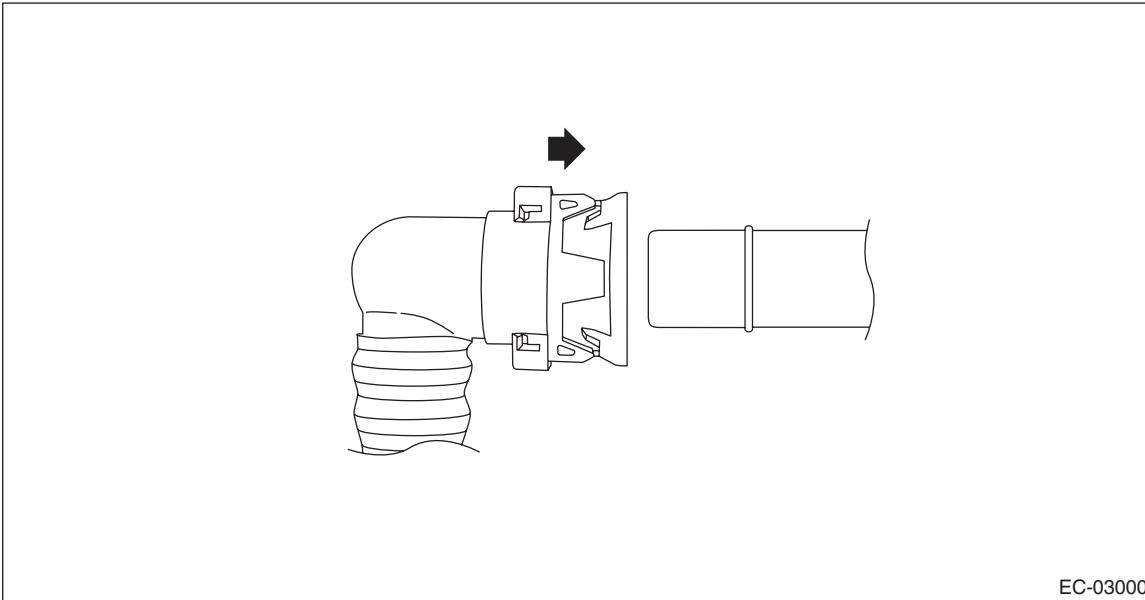
5) Connect the vent tube to the canister.

**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.

**NOTE:**

Connect the quick connector as shown in the figure.



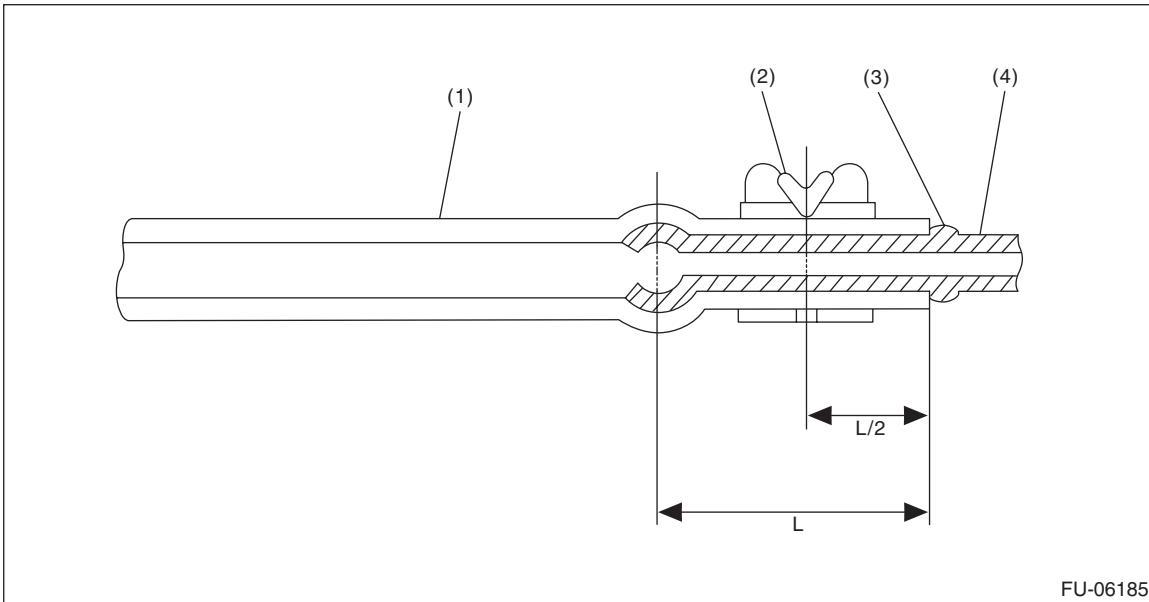
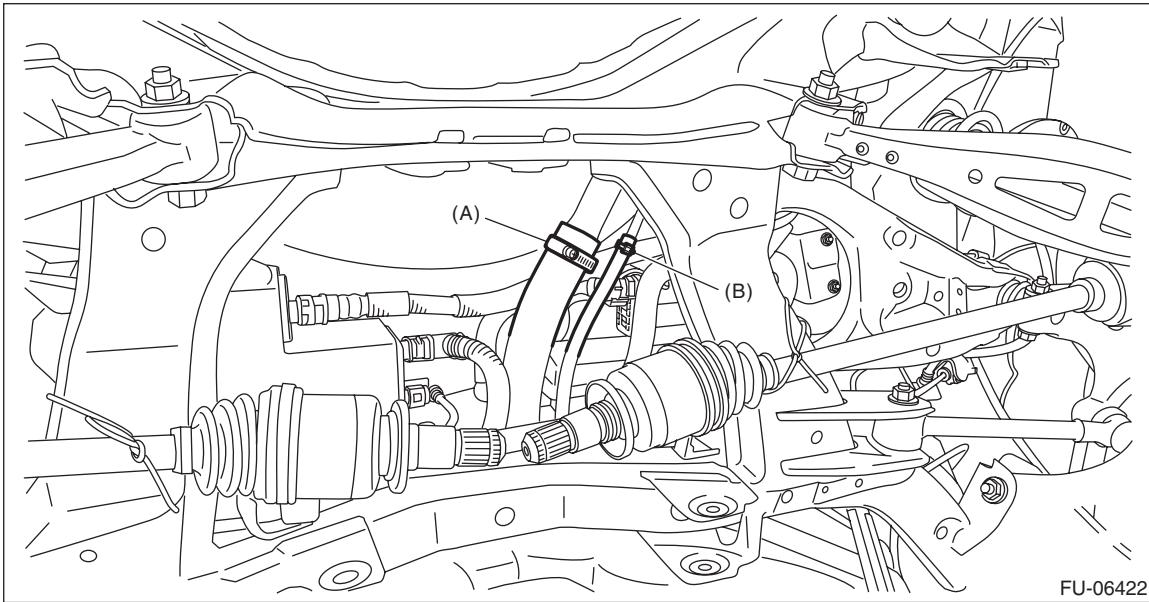
# Fuel Tank

## FUEL INJECTION (FUEL SYSTEMS)

6) Install the fuel filler hose (A) and the evaporation hose (B) to the fuel filler pipe assembly.

**Tightening torque:**

2.5 N·m (0.3 kgf·m, 1.8 ft·lb)



(1) Hose

(3) Spool

(4) Pipe

(2) Clamp or clip

7) Install the rear differential. <Ref. to DI-24, INSTALLATION, Rear Differential (T-type).> <Ref. to DI-41, INSTALLATION, Rear Differential (VA-type).>

8) Install the rear exhaust pipe and muffler. <Ref. to EX(H4DO)-17, INSTALLATION, Rear Exhaust Pipe.> <Ref. to EX(H4DO)-22, INSTALLATION, Muffler.>

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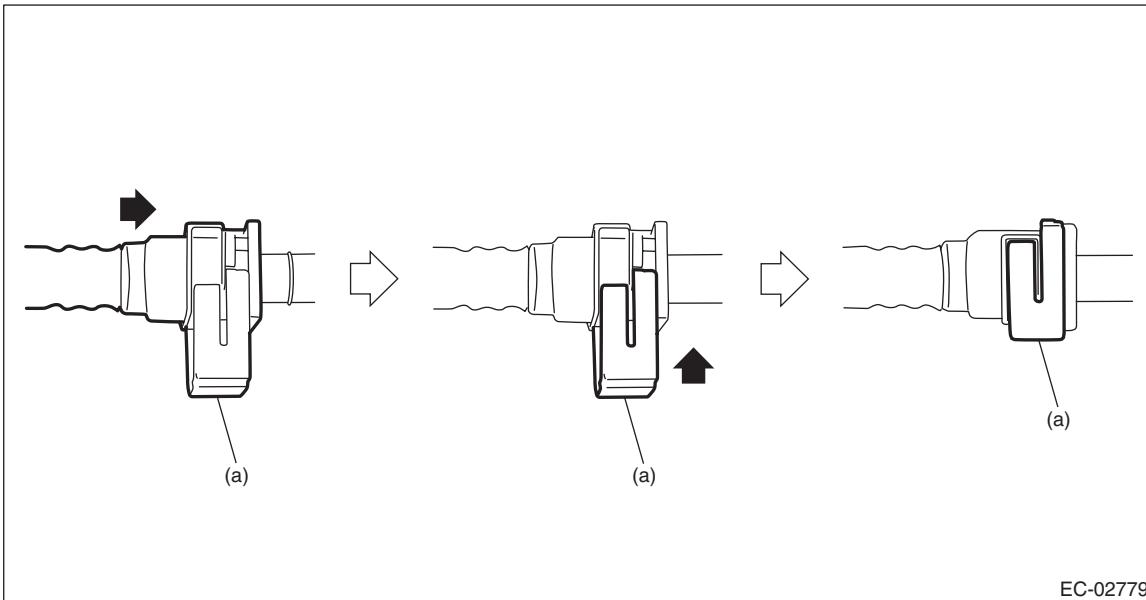
9) Connect the quick connector of the fuel delivery tube.

**CAUTION:**

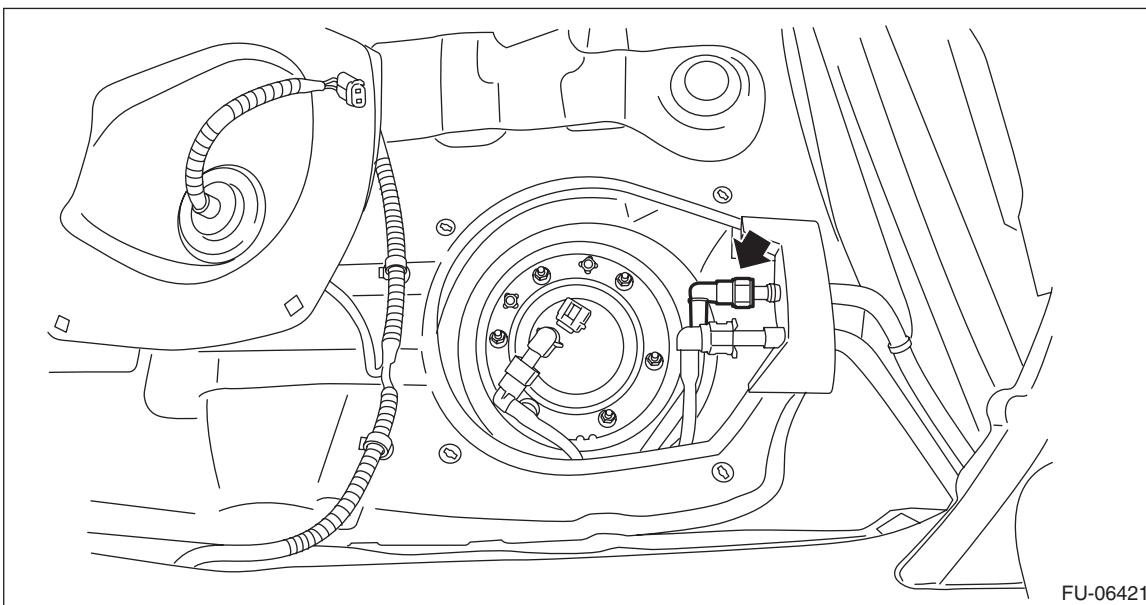
- Check that there is no damage or dust on the quick connector. If necessary, clean the seal surface of the pipe.
- Make sure that the quick connector is securely connected.

**NOTE:**

Connect the quick connector as shown in the figure.



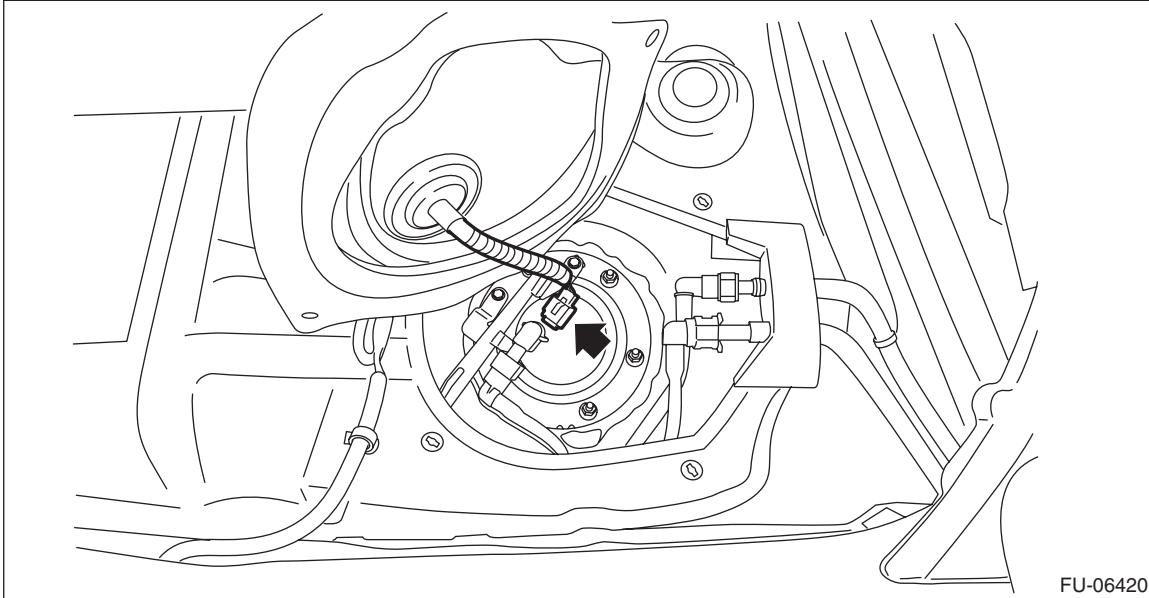
(a) Retainer



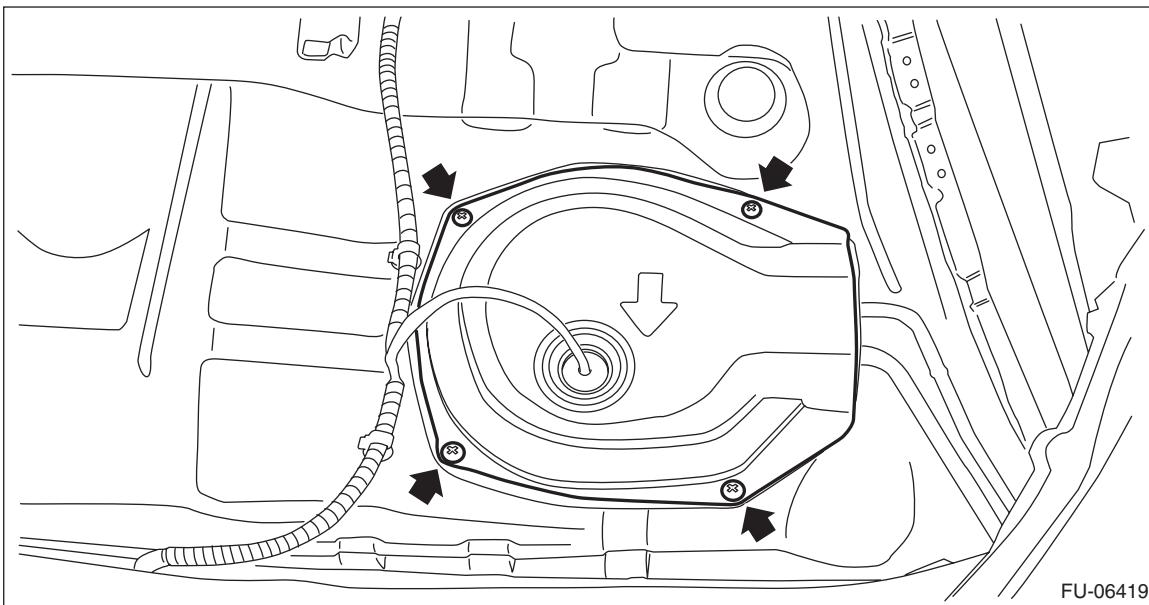
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10) Connect the connector to the fuel sub level sensor.



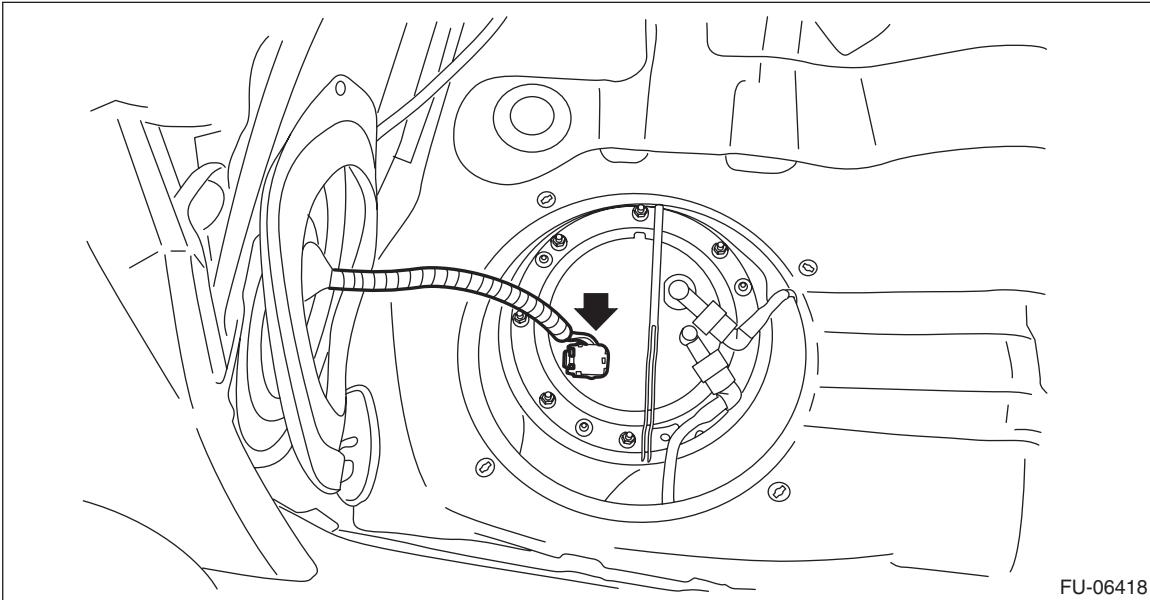
11) Install the service hole cover of fuel sub level sensor.



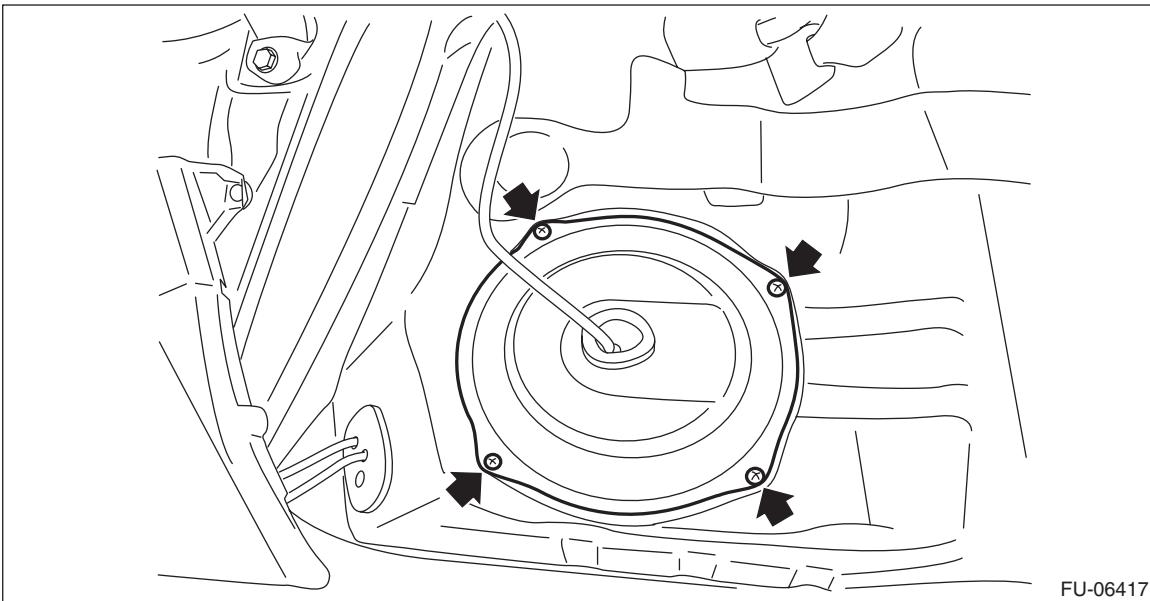
## Fuel Tank

### FUEL INJECTION (FUEL SYSTEMS)

12) Connect the connector to the fuel pump.

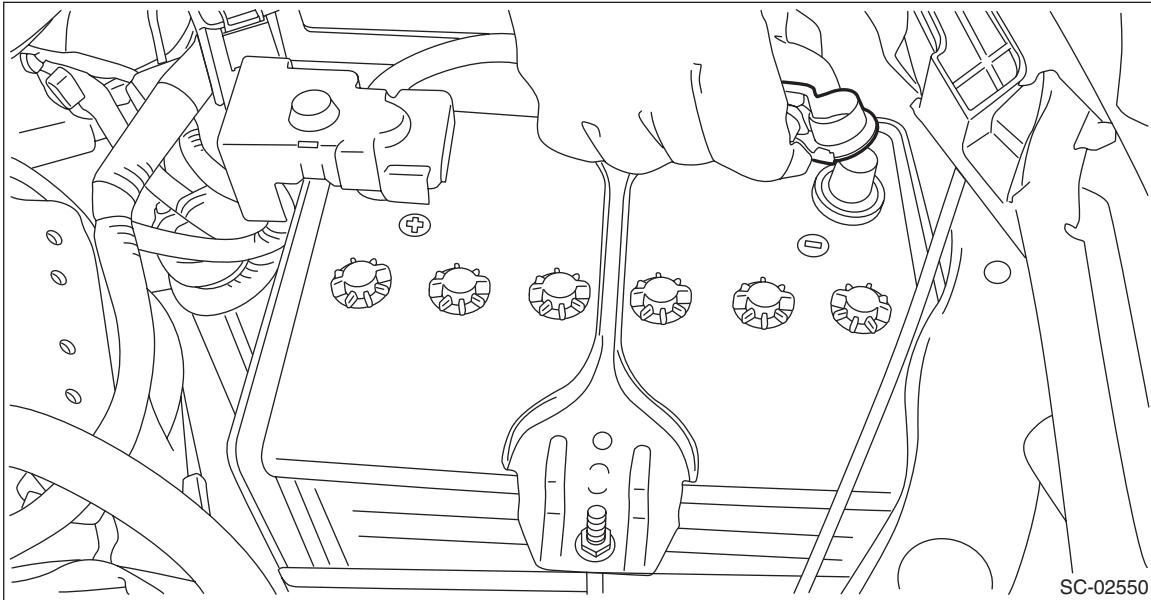


13) Install the service hole cover of fuel pump.



14) Install the rear seat cushion. <Ref. to SE-25, INSTALLATION, Rear Seat.>

15) Connect the battery ground terminal.



### C: INSPECTION

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