

### 27. Fuel Tank

#### A: REMOVAL

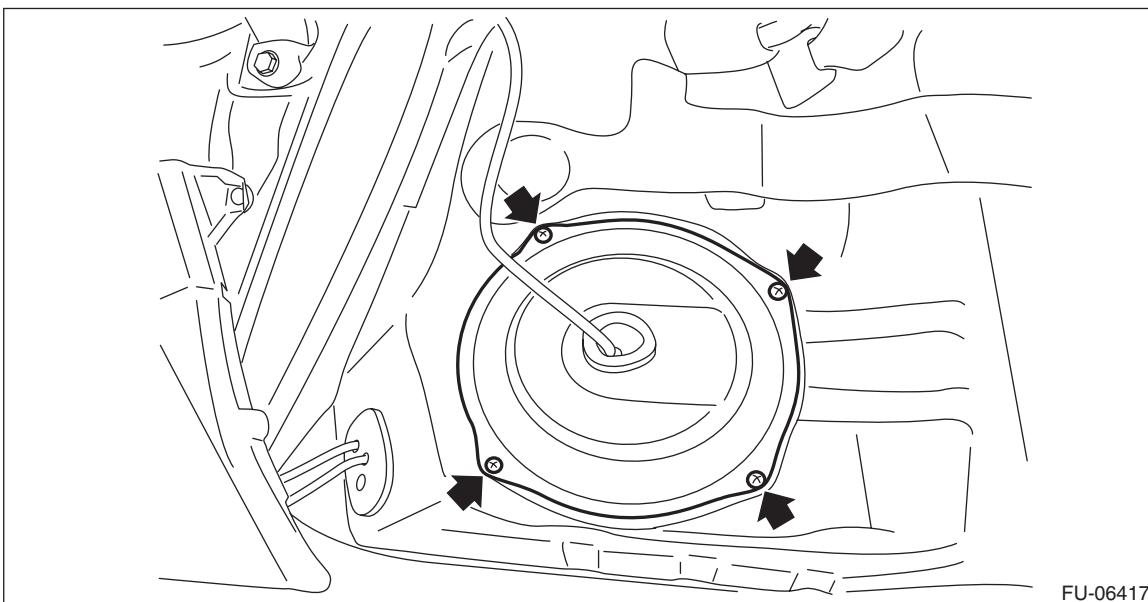
**WARNING:**

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

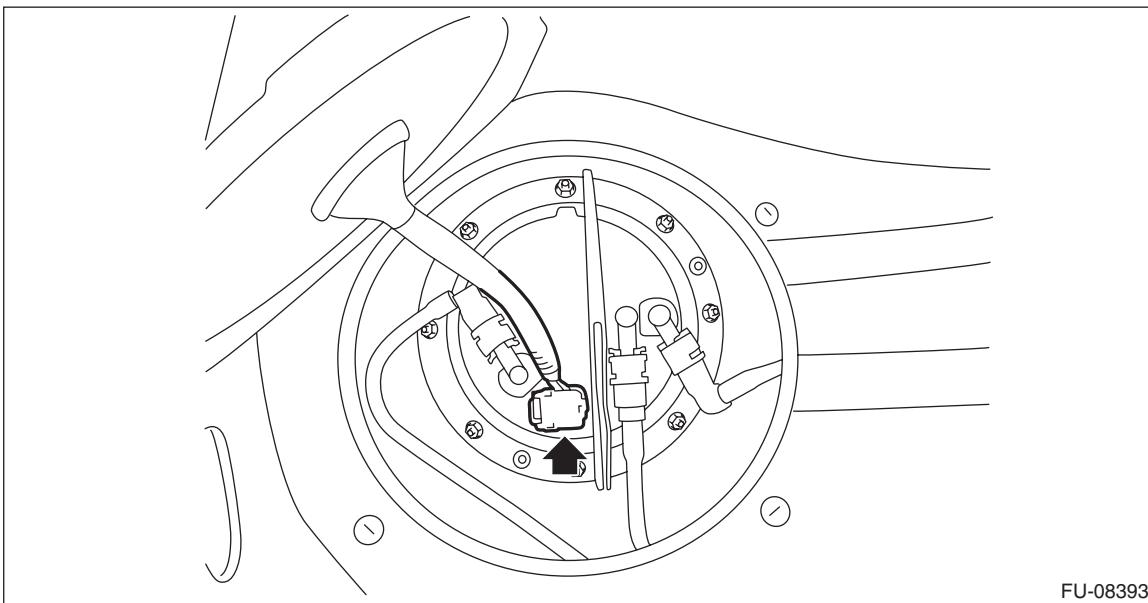
**CAUTION:**

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

- 1) Release the fuel pressure. <Ref. to FU(STI)-64, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(STI)-64, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.
- 4) Remove the rear seat cushion. <Ref. to SE-29, REMOVAL, Rear Seat.>
- 5) Remove the service hole cover of fuel pump.



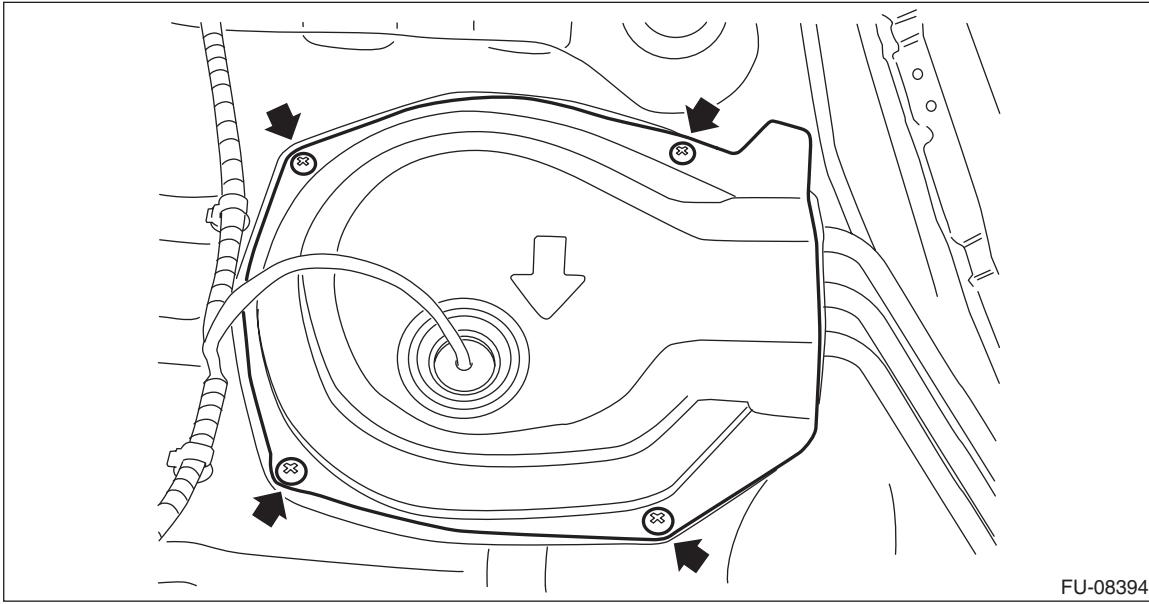
- 6) Disconnect connectors from the fuel pump, and move aside the service hole cover.



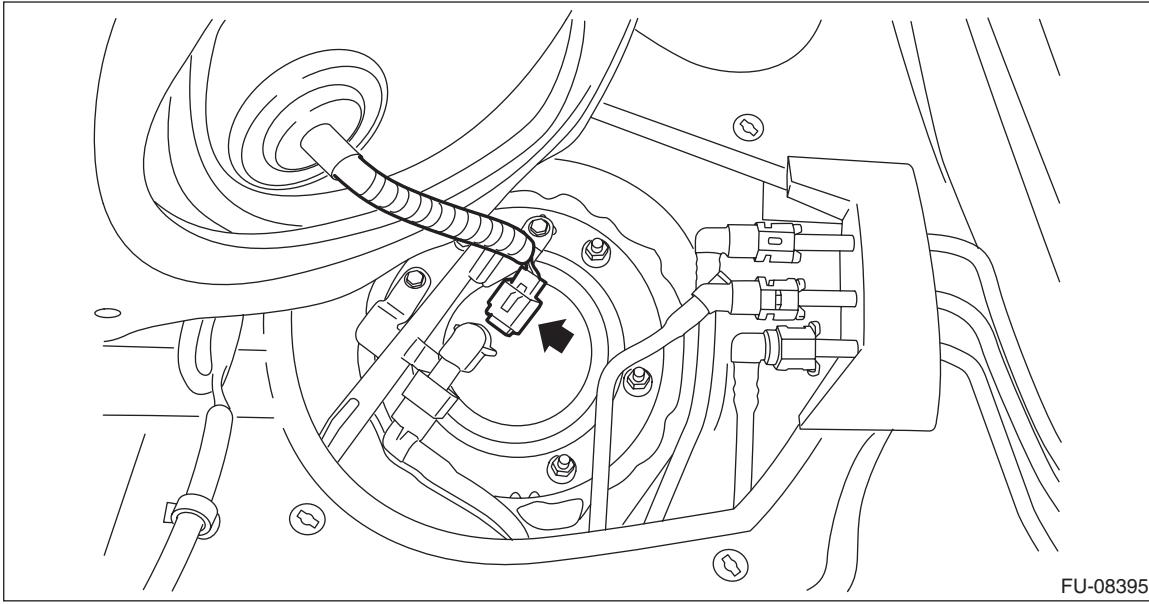
## Fuel Tank

### FUEL INJECTION (FUEL SYSTEMS)

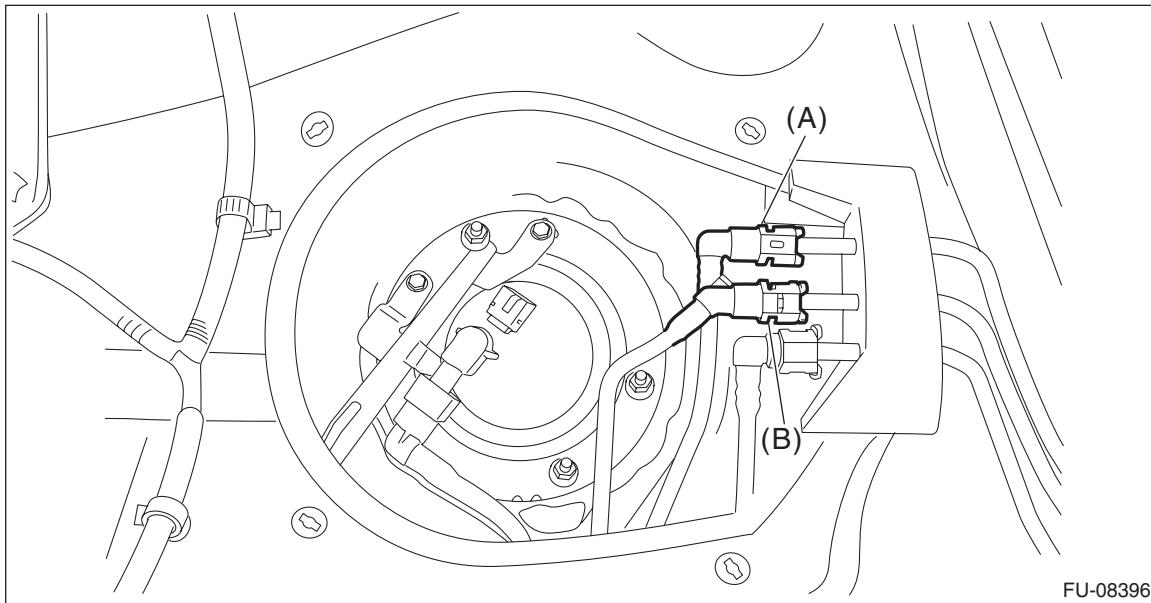
- 7) Remove the service hole cover of fuel sub level sensor.



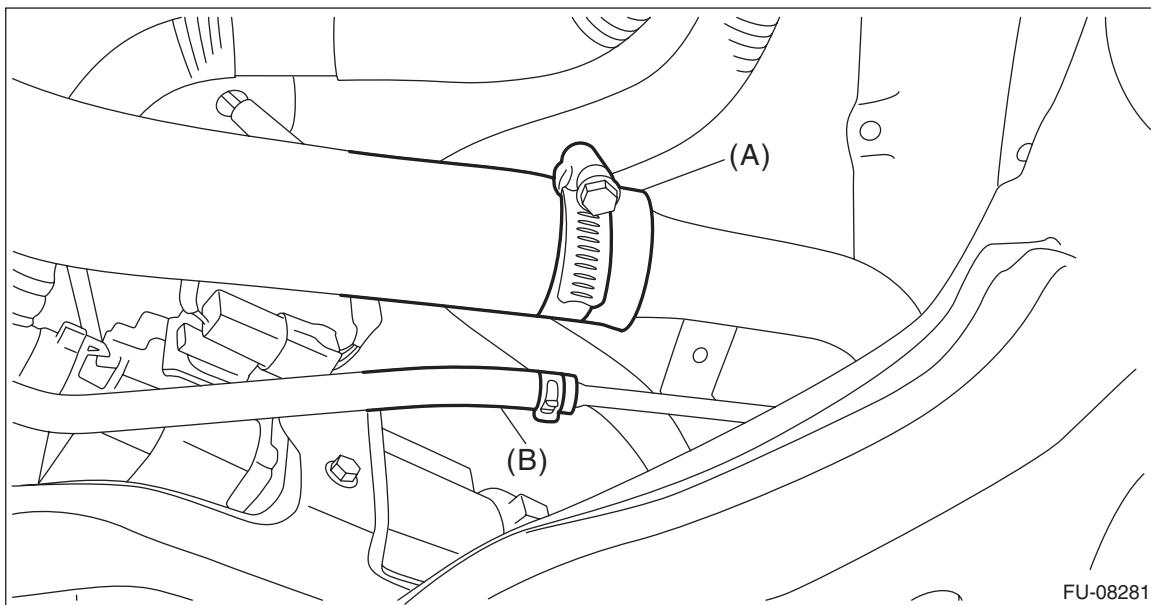
- 8) Disconnect the connector from the fuel sub level sensor, and move aside the service hole cover.



- 9) Disconnect the quick connector of fuel delivery tube (A) and fuel return tube (B). <Ref. to FU(STI)-94, REMOVAL, Fuel Delivery, Return and Evaporation Lines.>



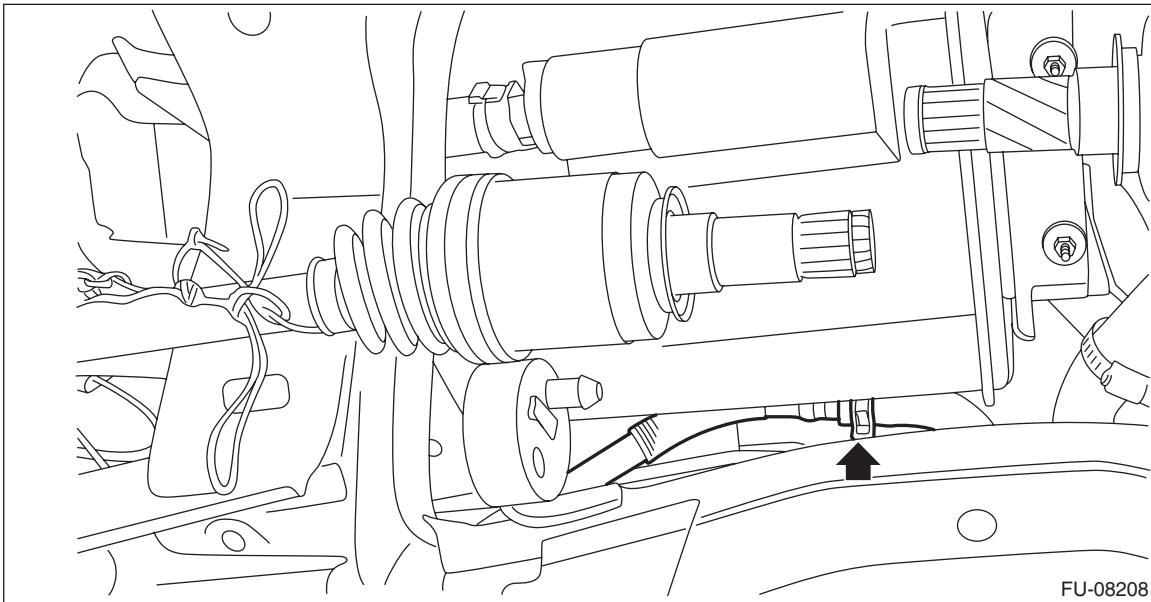
- 10) Lift up the vehicle.
- 11) Remove the rear exhaust pipe. <Ref. to EX(STI)-12, REMOVAL, Rear Exhaust Pipe.>
- 12) Remove the rear differential. <Ref. to DI-19, REMOVAL, Rear Differential (T-type).>
- 13) Disconnect the fuel filler hose (A) and evaporation hose (B) from the fuel filler pipe assembly.



# Fuel Tank

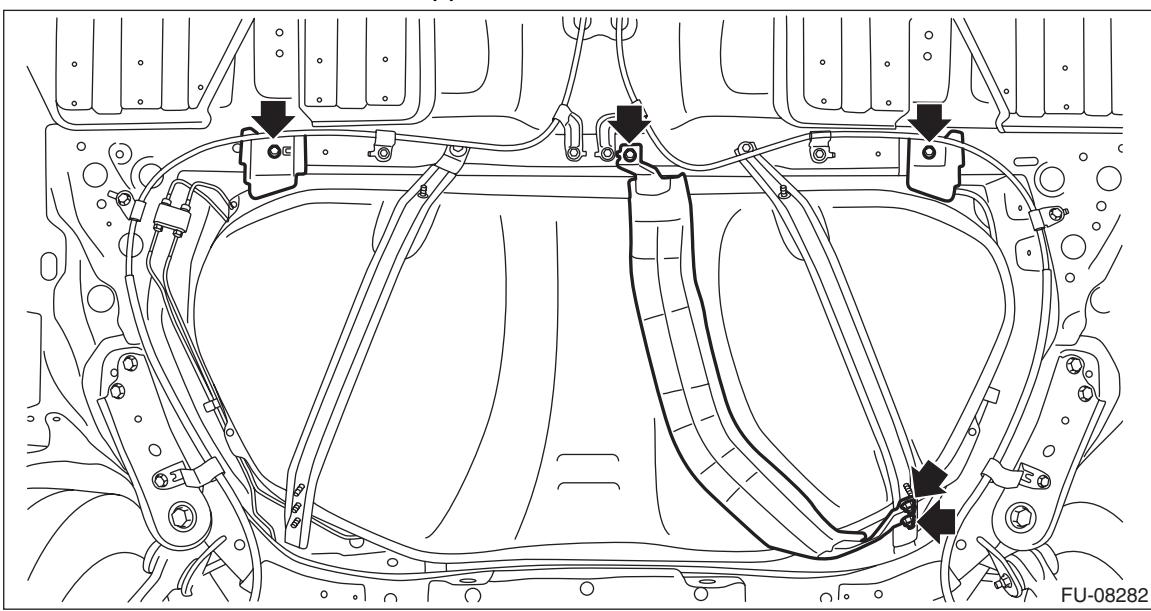
## FUEL INJECTION (FUEL SYSTEMS)

- 14) Disconnect the vent tube from vent hose.



- 15) Remove the fuel tank protector. <Ref. to FU(STI)-66, REMOVAL, Fuel Tank Protector.>

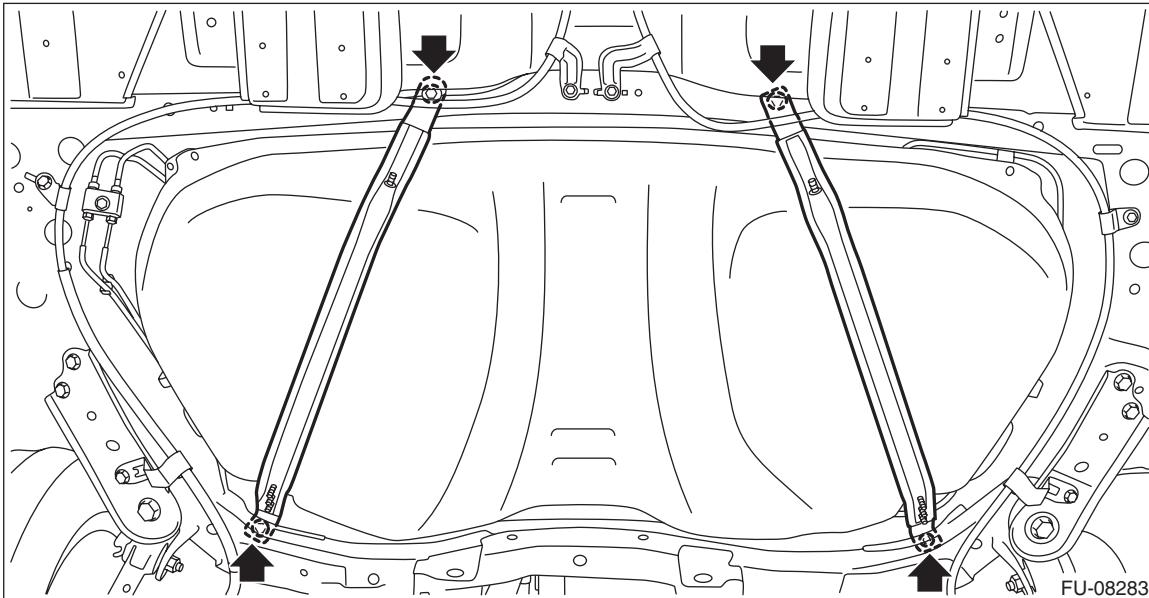
- 16) Remove the heat shield cover and stopper.



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.

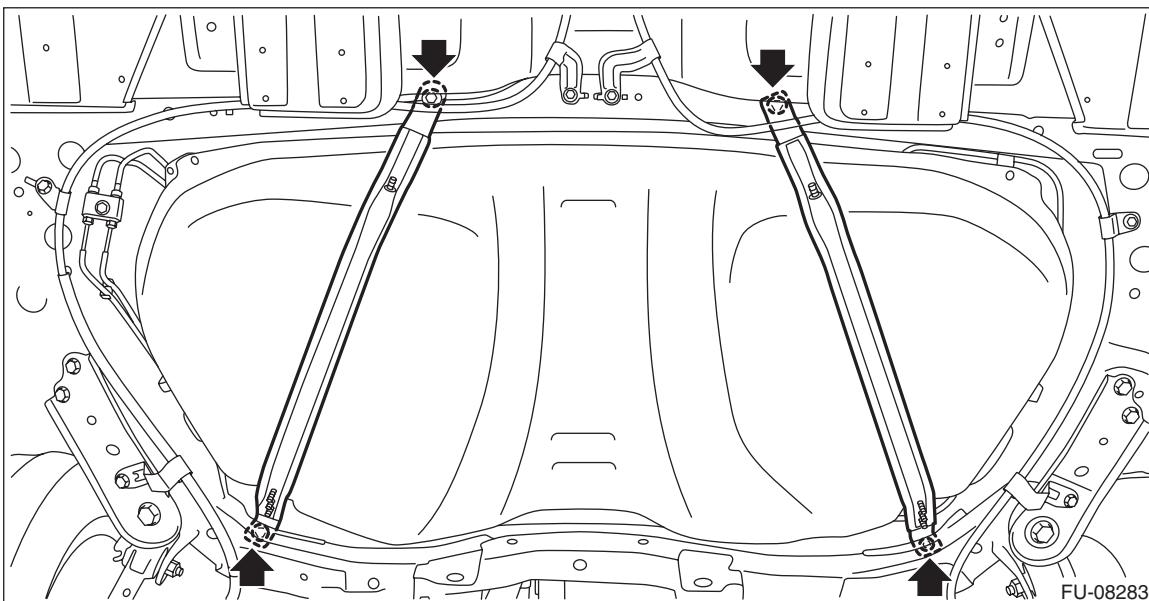


## B: INSTALLATION

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.



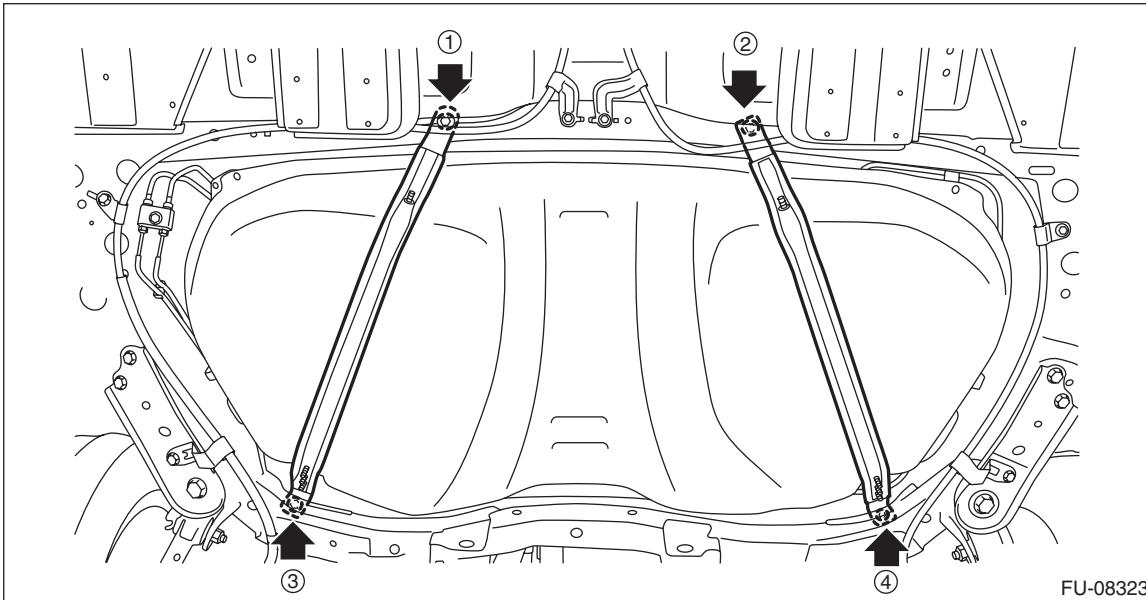
# Fuel Tank

## FUEL INJECTION (FUEL SYSTEMS)

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

**Tightening torque:**

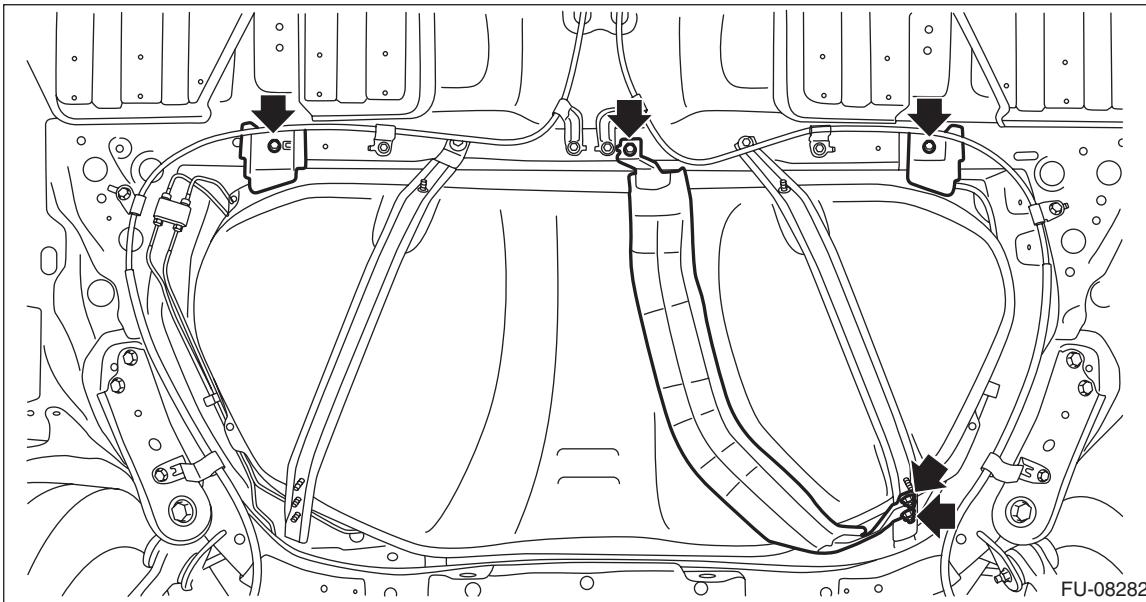
**33 N·m (3.4 kgf·m, 24.3 ft-lb)**



- 3) Install the heat shield cover and stopper.

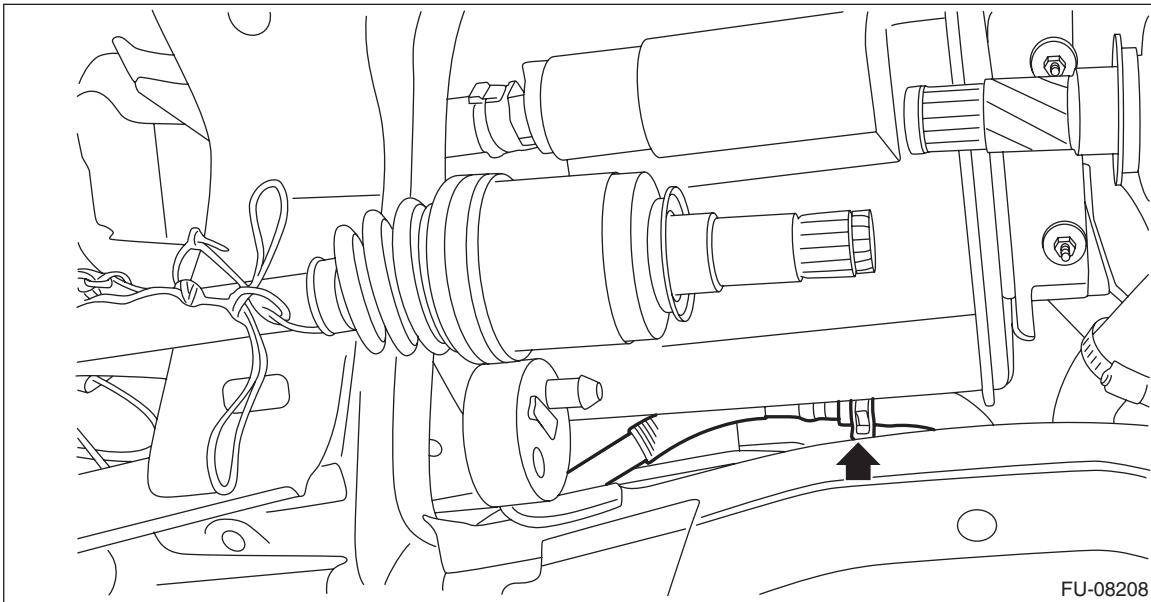
**Tightening torque:**

**18 N·m (1.8 kgf·m, 13.3 ft-lb)**



- 4) Install the fuel tank protector. <Ref. to FU(STI)-66, INSTALLATION, Fuel Tank Protector.>

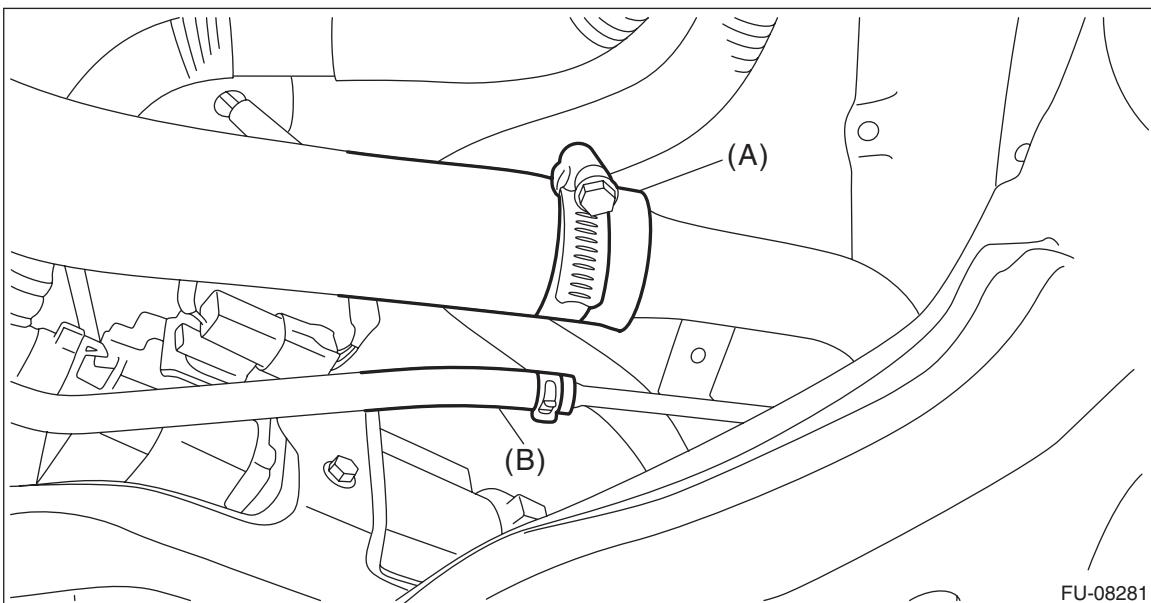
- 5) Connect the vent tube to the vent hose.



- 6) Securely insert the fuel filler hose (A) and evaporation hose (B) until the hose end contacts the spool, then attach the clamp or clip as shown in the figure.

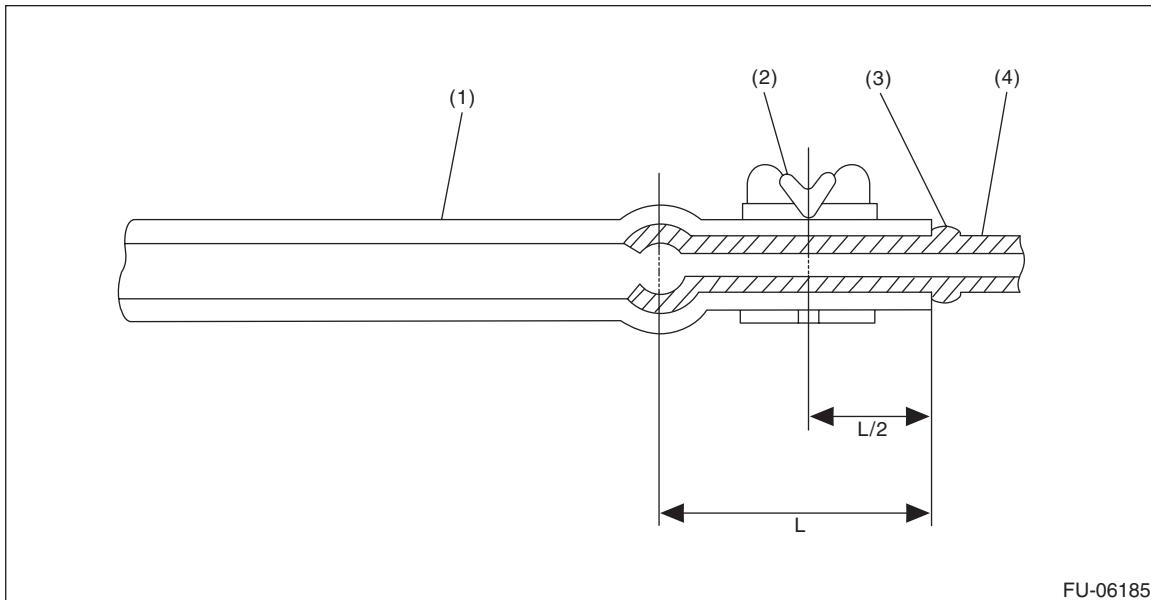
**Tightening torque:**

**2.5 N·m (0.3 kgf·m, 1.8 ft-lb)**



# Fuel Tank

## FUEL INJECTION (FUEL SYSTEMS)

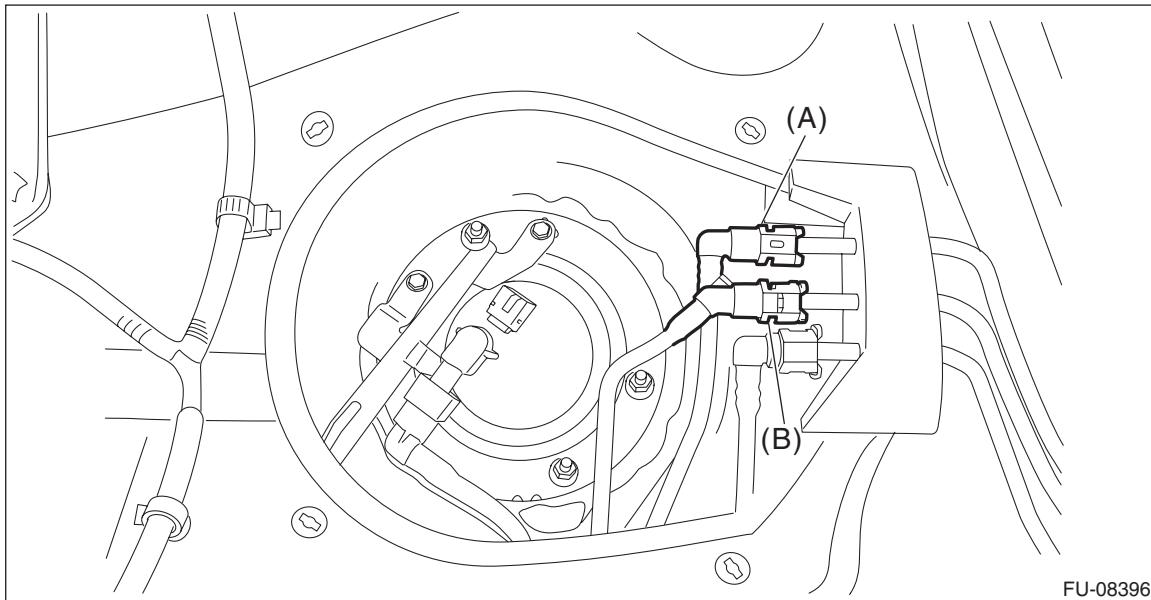


- (1) Hose (3) Spool (4) Pipe  
(2) Clamp or clip

- 7) Install the rear differential. <Ref. to DI-21, INSTALLATION, Rear Differential (T-type).>
- 8) Install the rear exhaust pipe. <Ref. to EX(STI)-12, INSTALLATION, Rear Exhaust Pipe.>
- 9) Connect the quick connector of fuel delivery tube (A) and fuel return tube (B). <Ref. to FU(STI)-97, INSTALLATION, Fuel Delivery, Return and Evaporation Lines.>

**NOTE:**

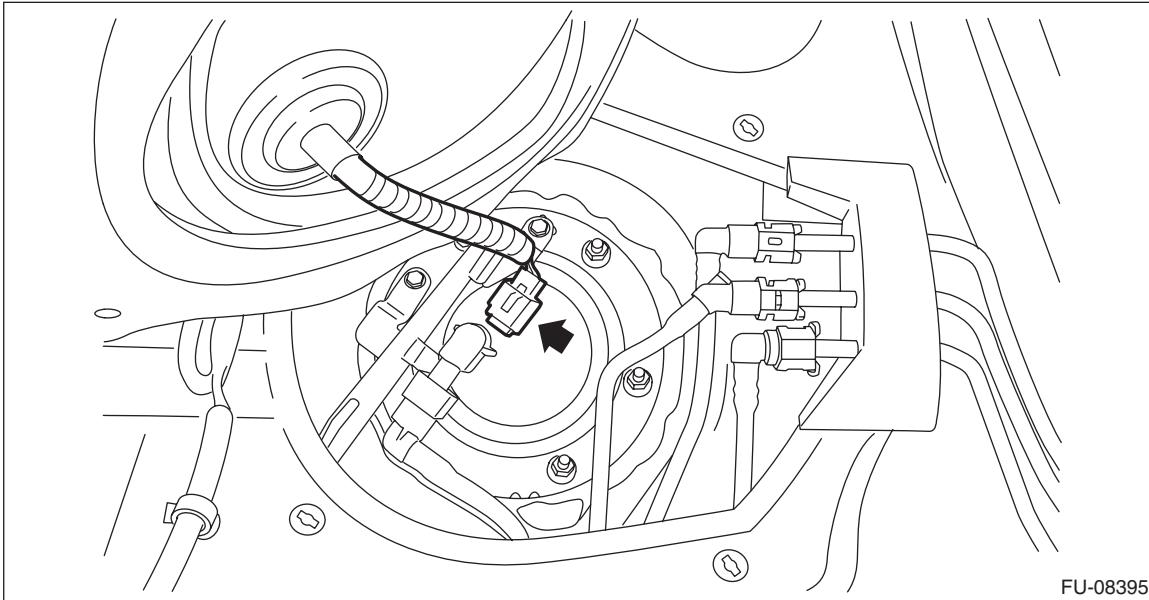
When connecting, be careful not to reverse the delivery side and return side.



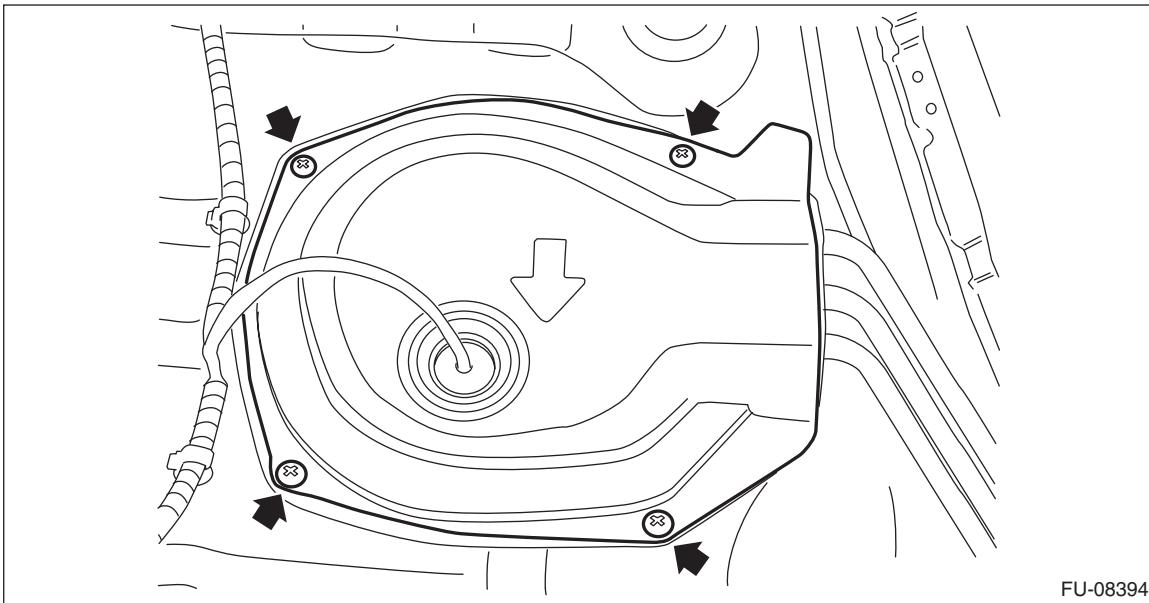
# Fuel Tank

## FUEL INJECTION (FUEL SYSTEMS)

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



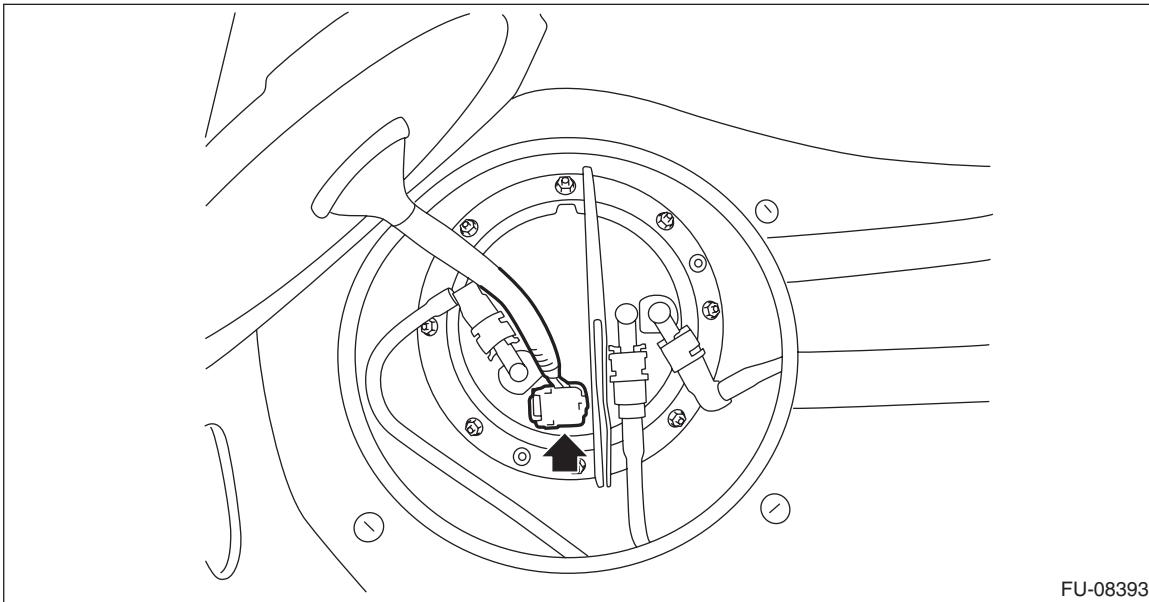
- 11) Install the service hole cover of fuel sub level sensor.



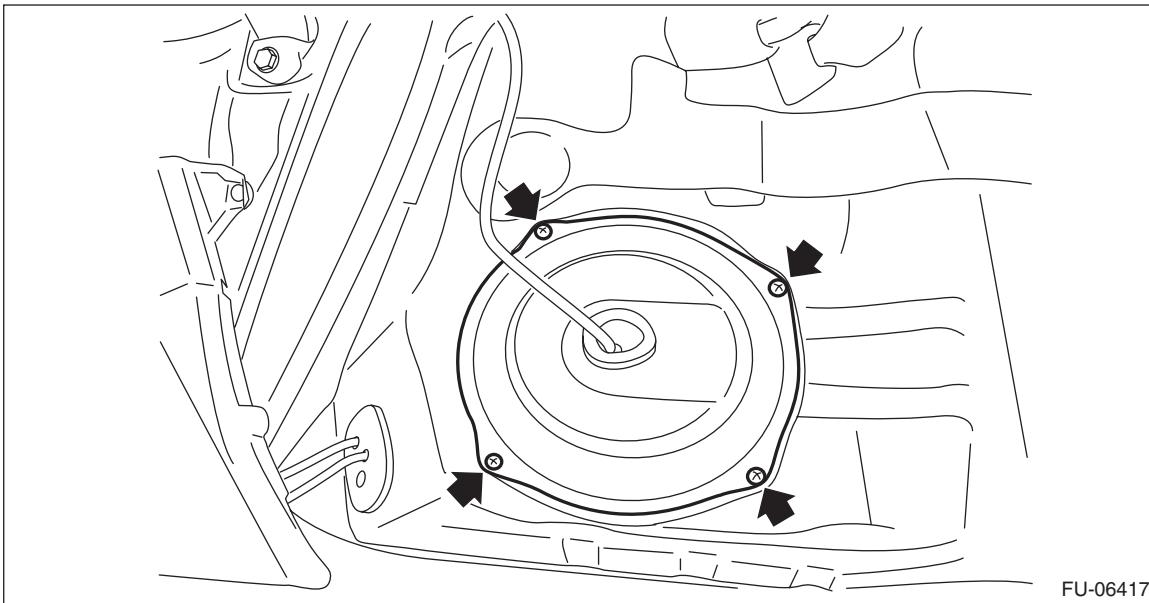
# Fuel Tank

## 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-33, 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 and tube have no cracks, damage or loose part.