

## 27. Fuel Pump

### A: REMOVAL

**WARNING:**

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

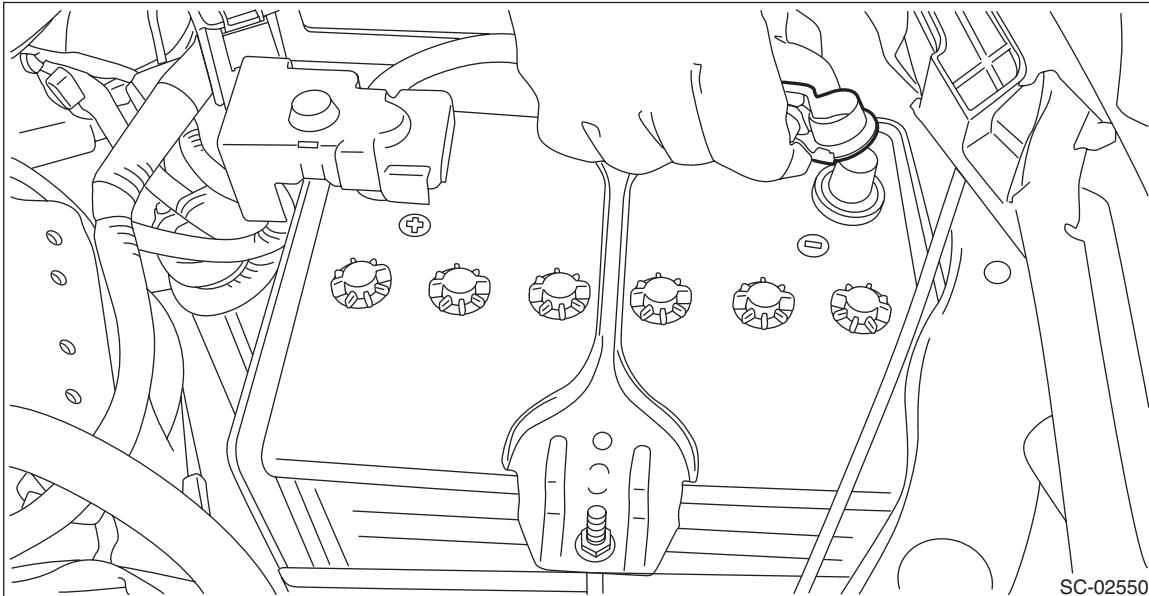
**CAUTION:**

- Be careful not to spill fuel.
- If the fuel gauge indicates that two thirds or more of the fuel is remaining, be sure to drain fuel before starting work to avoid the fuel to spill.

**NOTE:**

Fuel pump assembly consists of fuel pump, fuel filter and fuel level sensor.

- 1) Release the fuel pressure. <Ref. to FU(H4DO)-111, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(H4DO)-111, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.

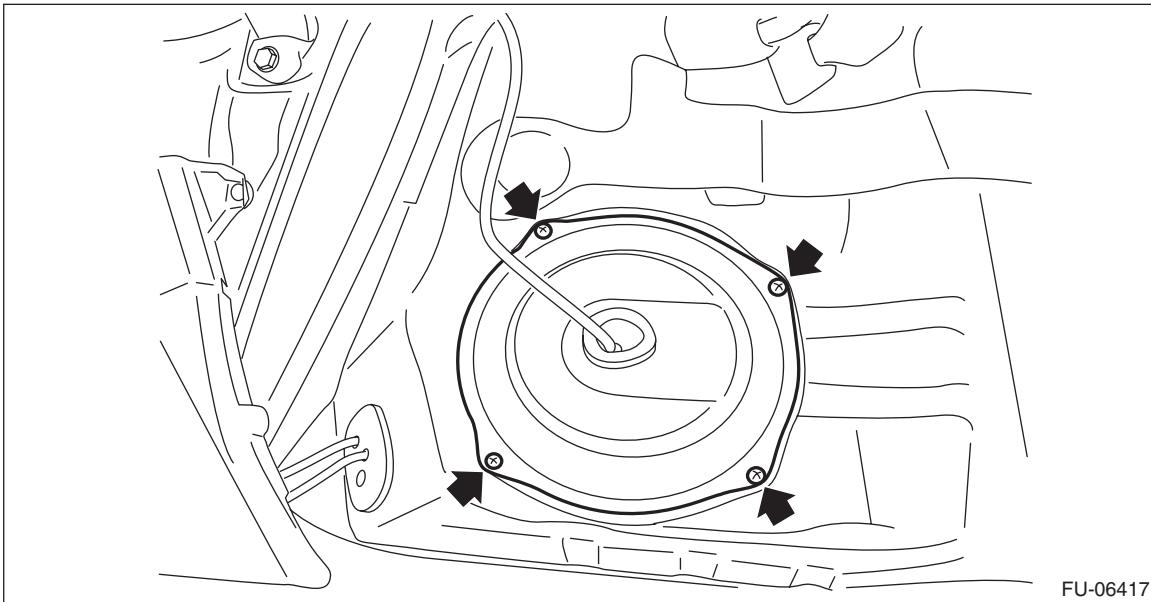


- 4) Remove the rear seat cushion. <Ref. to SE-22, REMOVAL, Rear Seat.>

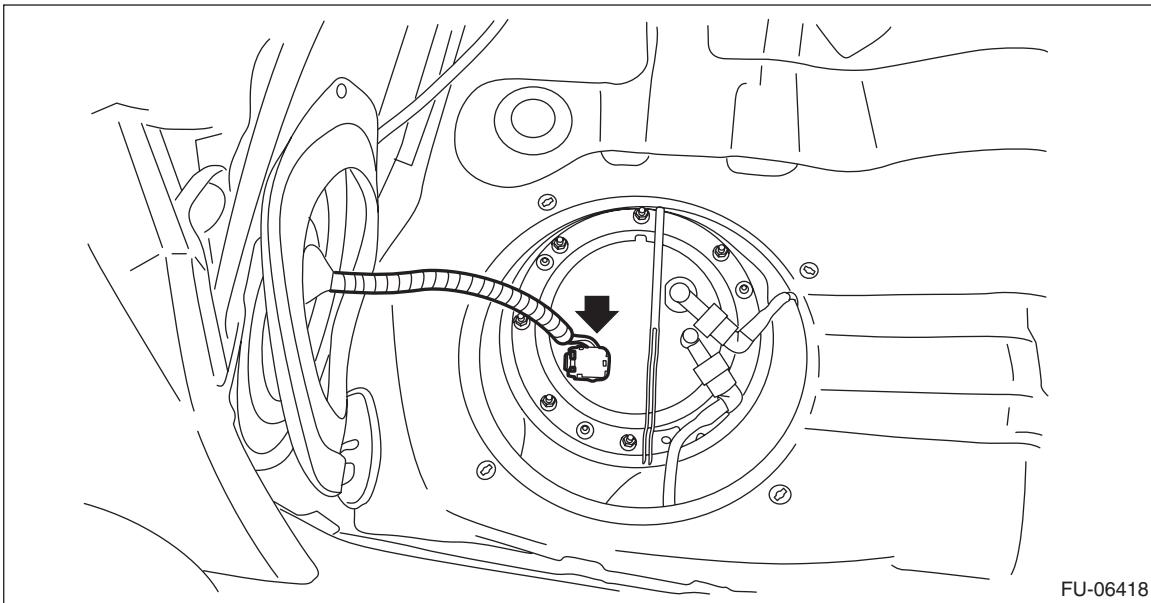
## Fuel Pump

### FUEL INJECTION (FUEL SYSTEMS)

- 5) Remove the service hole cover of fuel pump.



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



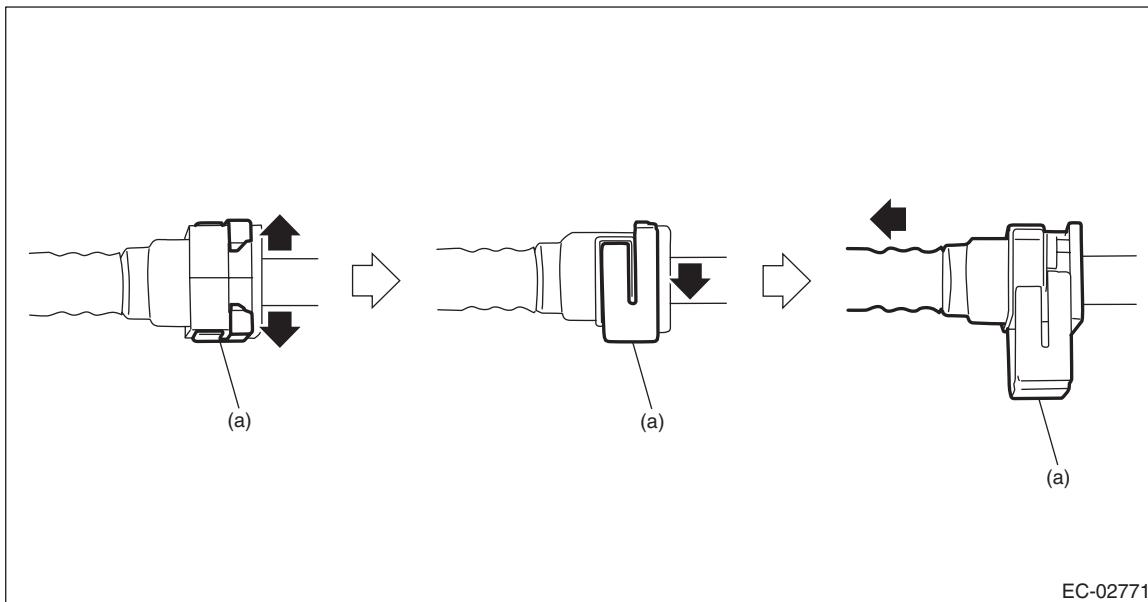
# Fuel Pump

## FUEL INJECTION (FUEL SYSTEMS)

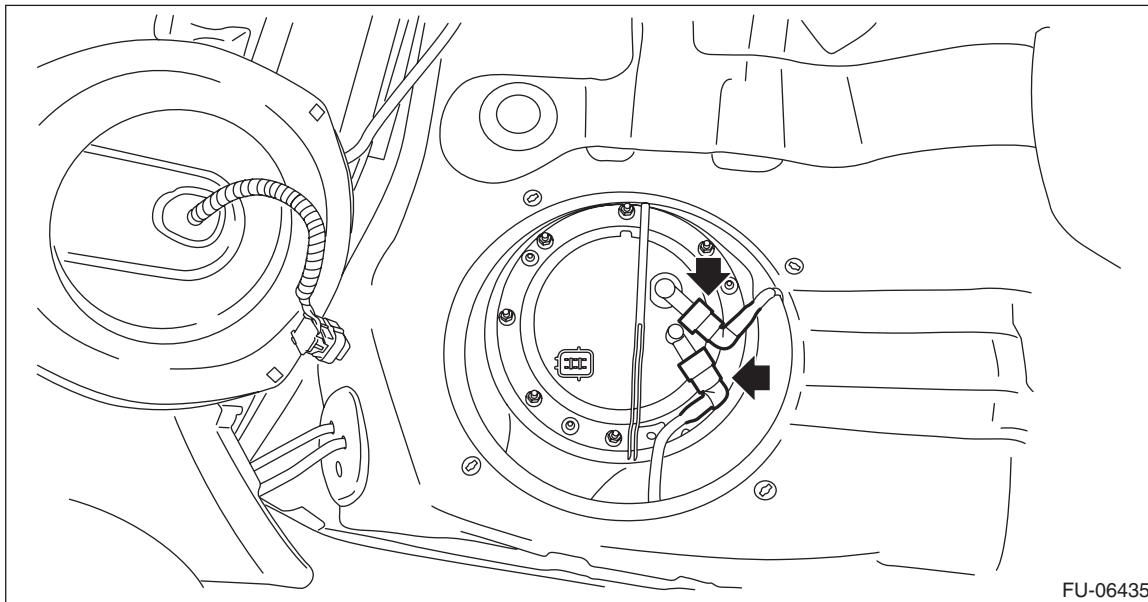
7) Disconnect the quick connector of fuel delivery tube and jet pump tube.

NOTE:

Disconnect the quick connector as shown in the figure.



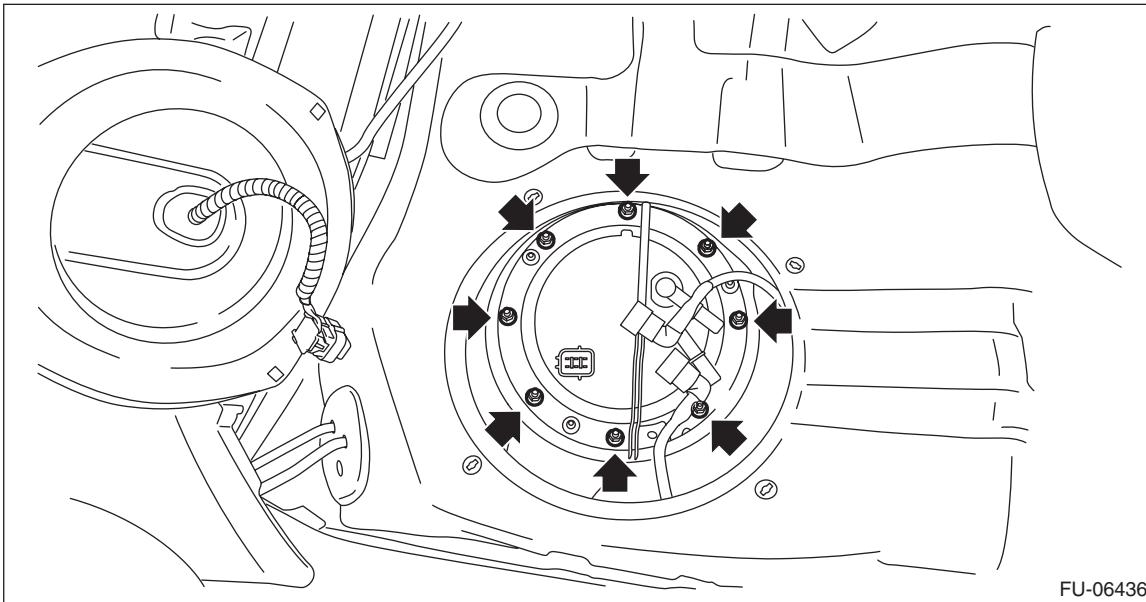
(a) Retainer



# Fuel Pump

## FUEL INJECTION (FUEL SYSTEMS)

8) Remove the nuts which hold the fuel pump upper plate to the fuel tank.



9) Remove the fuel pump assembly from the fuel tank.

## B: INSTALLATION

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

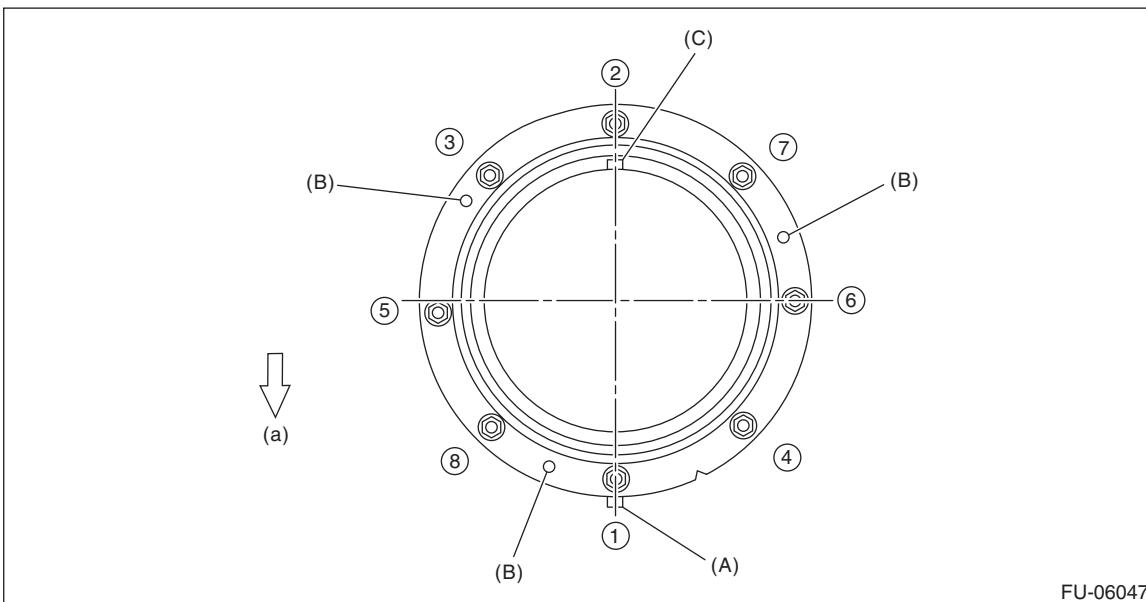
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- Align protrusion (A) of the gasket to the position shown in the figure.
- Insert the protrusion (B) of gasket to the fuel pump upper plate. (3 places)
- Align the protrusion (C) of fuel pump assembly with the cutout on the fuel pump upper plate.
- Tighten the nuts to the specified torque in the order as shown in the figure.

NOTE:

Use a new gasket.

### ***Tightening torque:***

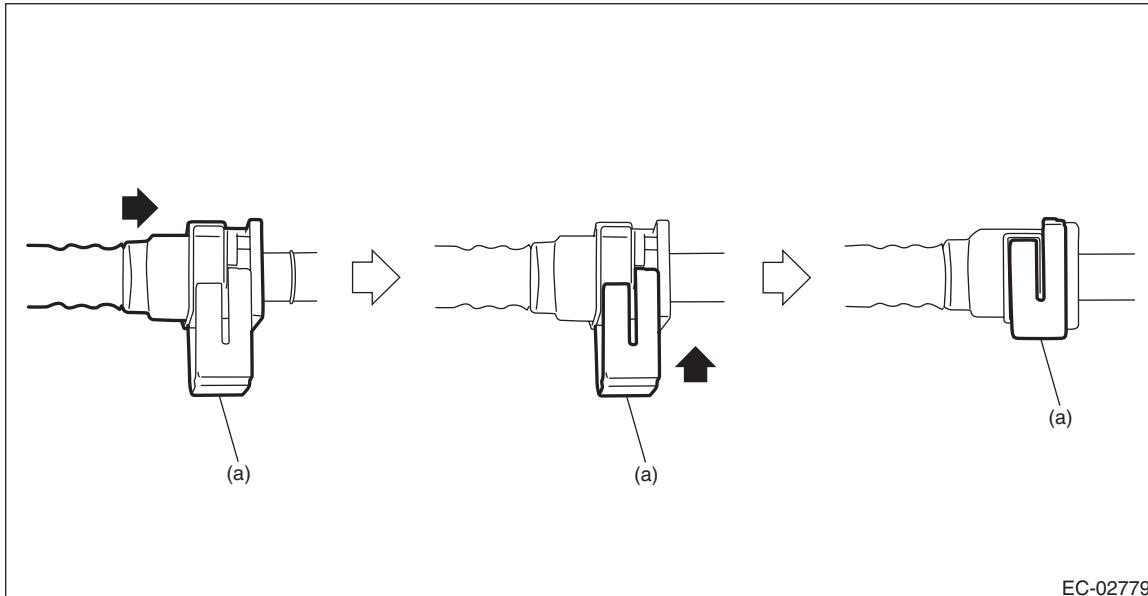
**4.4 N·m (0.4 kgf·m, 3.2 ft-lb)**



(a) Front side of vehicle

**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 the pipe all the way in before locking the slider.
- When it is difficult to lock the slider, check that the pipe is fully inserted.
- Make sure that the quick connector is securely connected.



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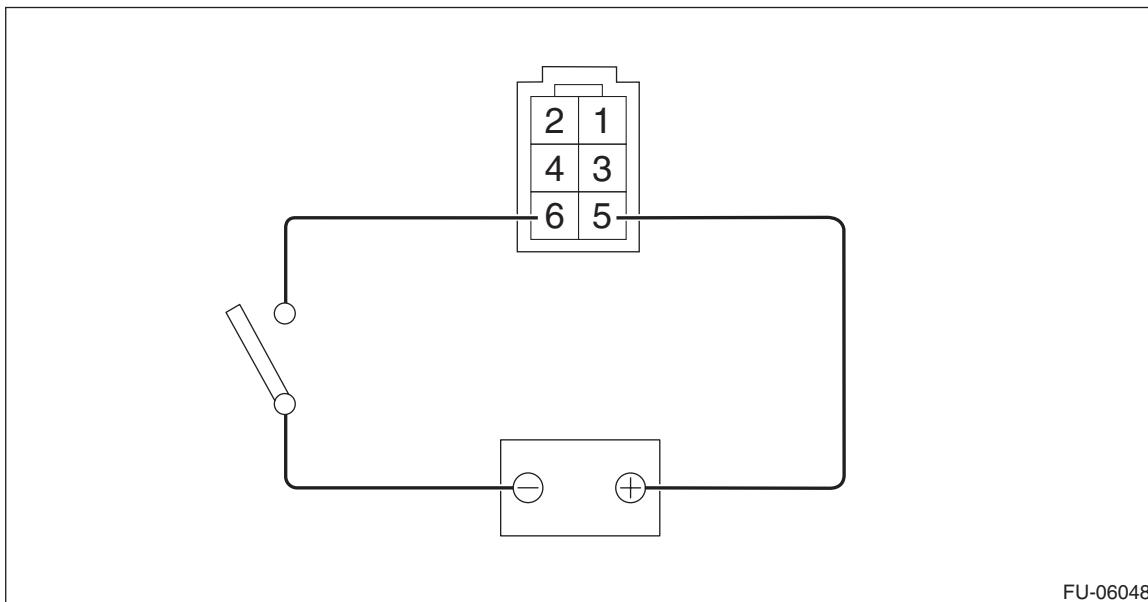
(a) Retainer

**C: INSPECTION**

- 1) Check that the fuel pump has no deformation, cracks or other damages.
- 2) Connect the battery positive terminal to terminal No. 5 and the battery ground terminal to terminal No. 6, and inspect the fuel pump operation.

**WARNING:**

- Wipe off fuel completely.
- Keep the battery as far apart from fuel pump as possible.
- Do not run the fuel pump for a long time under non-load condition.



FU-06048