

## 27. Fuel Pump

### A: REMOVAL

**WARNING:**

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

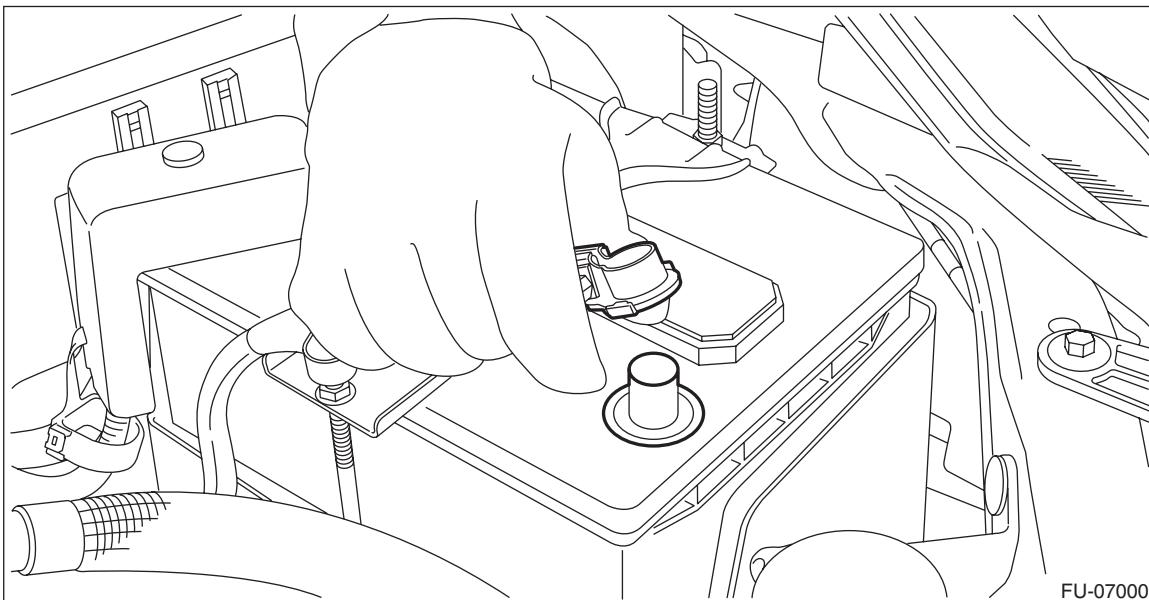
**CAUTION:**

- 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, fuel chamber and fuel level sensor.

- 1) Release the fuel pressure. <Ref. to FU(H4DO)-107, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(H4DO)-107, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.

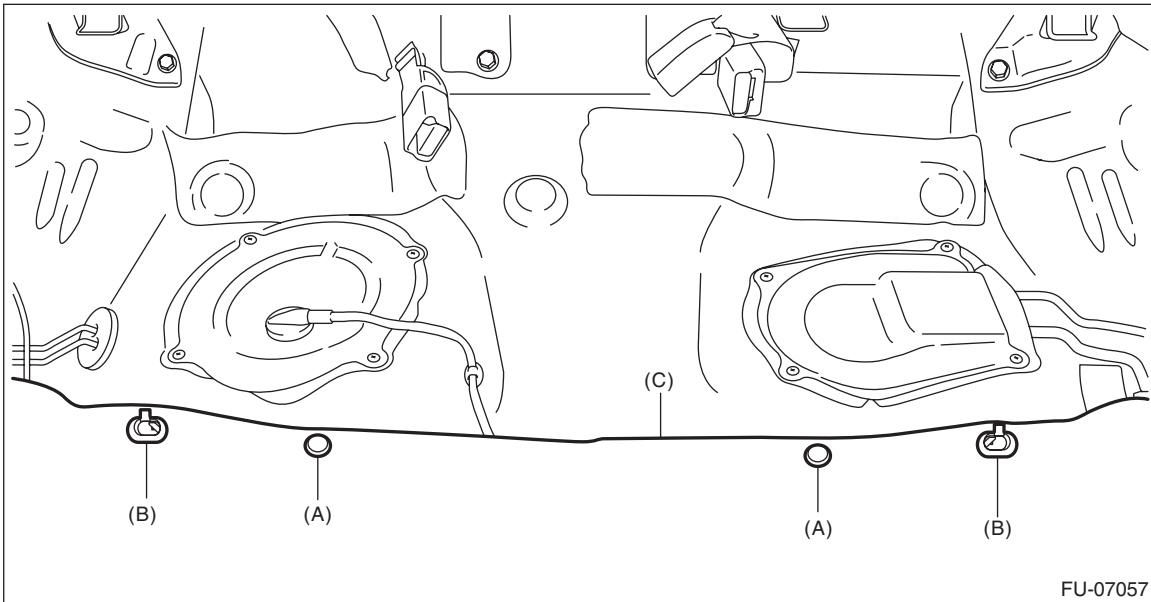


- 4) Remove the rear seat cushion. <Ref. to SE-34, REMOVAL, Rear Seat.>

# Fuel Pump

## FUEL INJECTION (FUEL SYSTEMS)

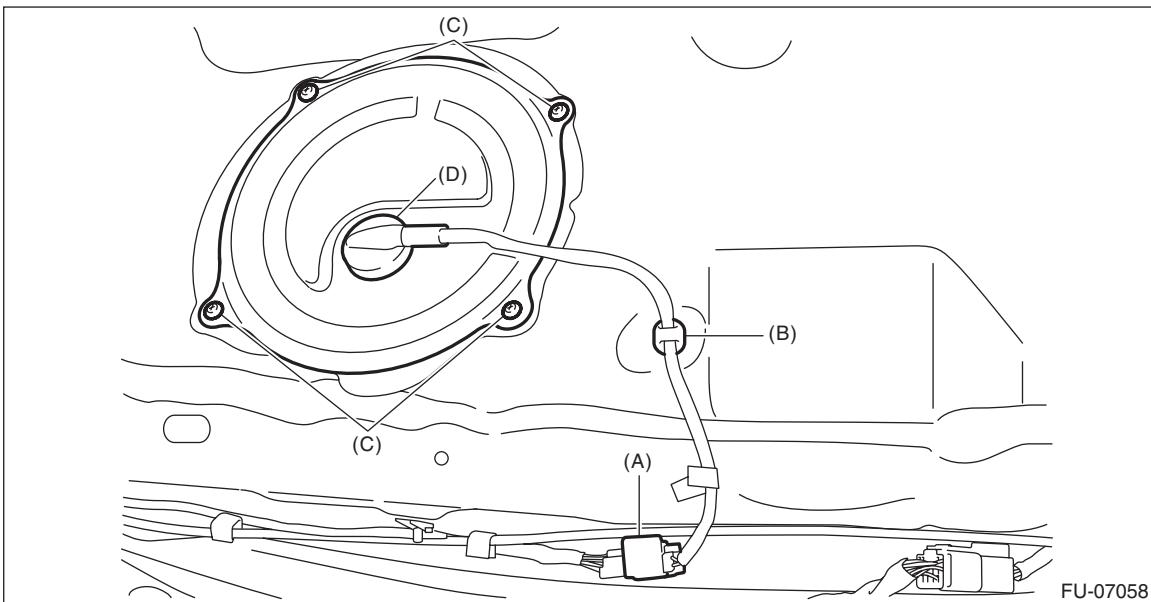
5) Remove the clips (A) and seat cushion hooks (B), and turn over the floor mat (C).



FU-07057

6) Remove the service hole cover.

- (1) Disconnect the fuel cord connector (A), and remove the clip (B).
- (2) Remove the screw (C).
- (3) Push the grommet (D) down and remove the service hole cover.



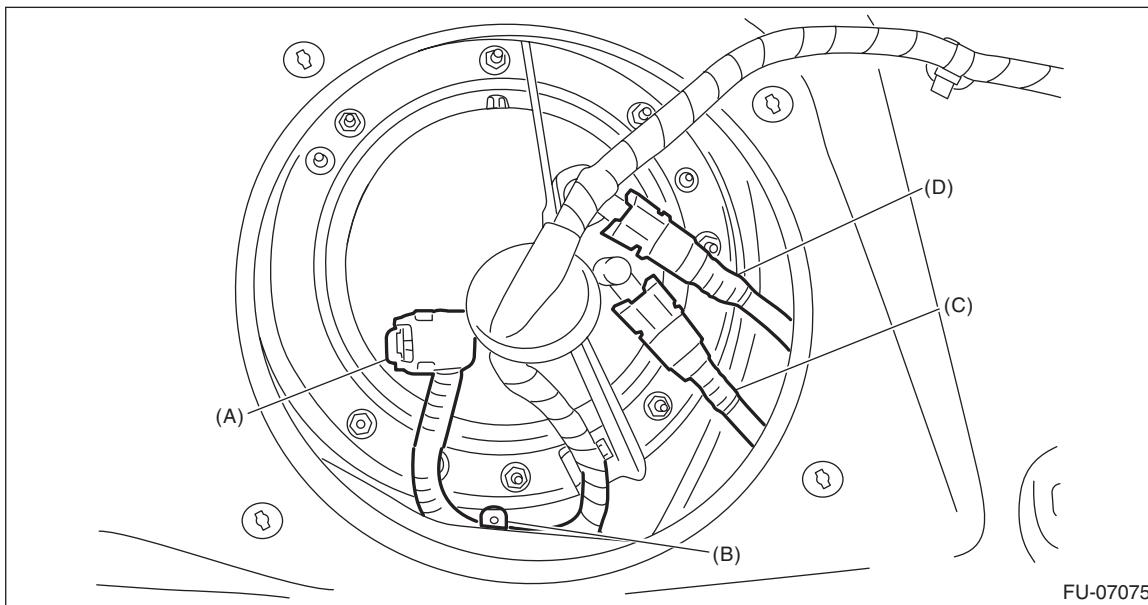
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7) Disconnect the connector (A) from fuel pump, and remove the clip (B) securing the harness.

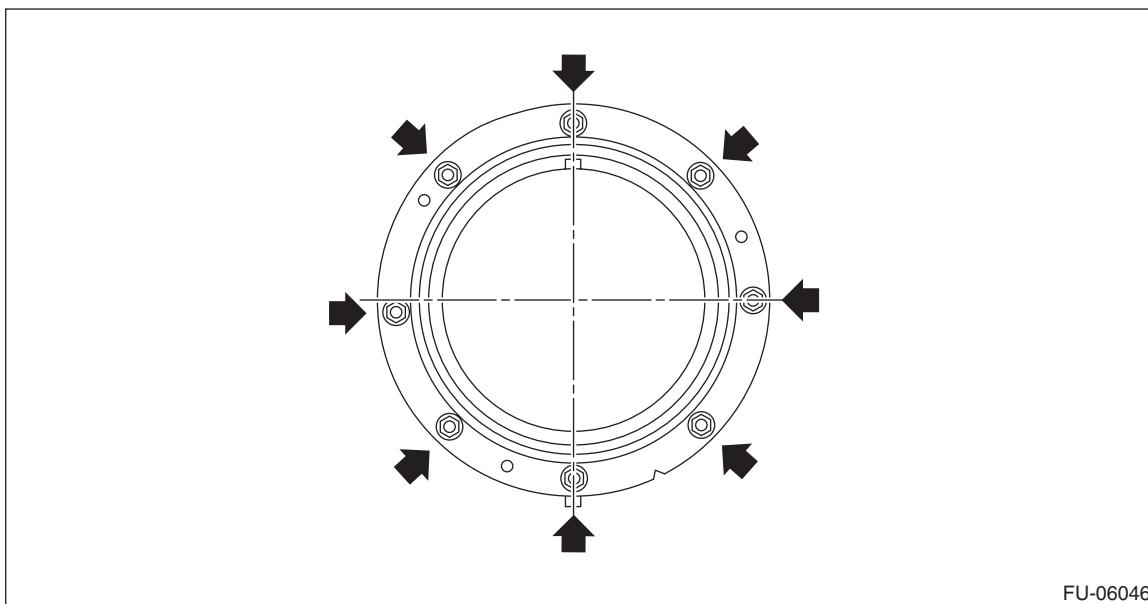
# Fuel Pump

## FUEL INJECTION (FUEL SYSTEMS)

8) Disconnect the quick connector of fuel delivery tube (C) and fuel sub delivery tube (D). <Ref. to FU(H4DO)-156, REMOVAL, Fuel Delivery and Evaporation Lines.>



9) Remove the nuts securing the fuel pump upper plate to the fuel tank and remove the fuel pump upper plate.



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

# Fuel Pump

## FUEL INJECTION (FUEL SYSTEMS)

### B: INSTALLATION

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

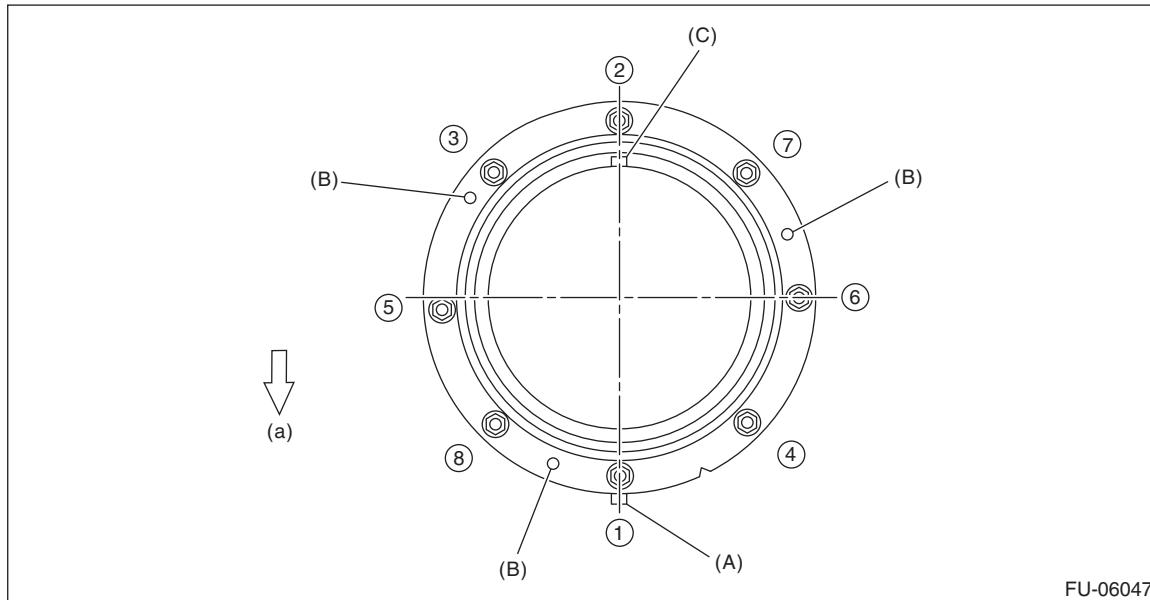
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- Align protrusion (A) of the gasket to the position shown in the figure.
- Insert the protrusion (B) of gasket to the fuel pump upper plate. (3 places)
- Align the protrusion (C) of fuel pump assembly with the cutout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

### 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.

