

## 25. Fuel Pump

### A: REMOVAL

#### WARNING:

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

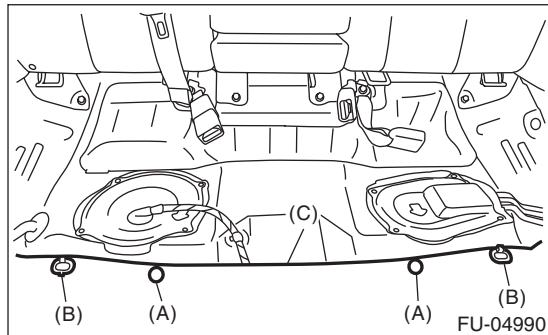
#### CAUTION:

- 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.

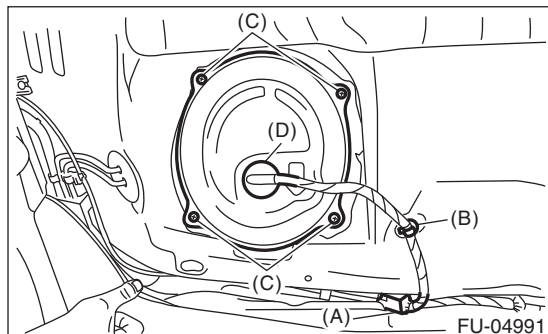
#### NOTE:

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

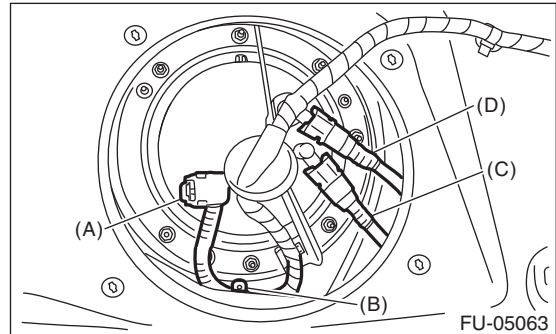
- 1) Release the fuel pressure. <Ref. to FU(H6DO)-55, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(H6DO)-55, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.
- 4) Remove the rear seat cushion. <Ref. to SE-32, REMOVAL, Rear Seat.>
- 5) Remove the clips (A) and seat cushion hooks (B), and turn over the floor mat (C).



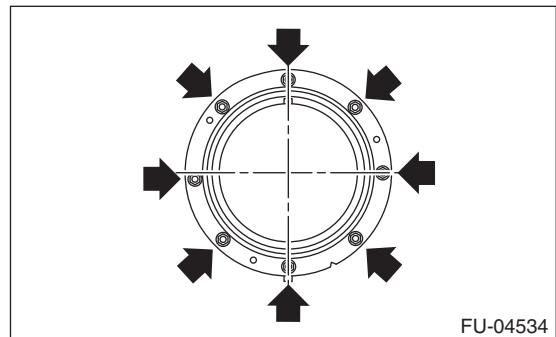
- 6) Remove the service hole cover.
  - (1) Disconnect the fuel cord connector (A), and remove the clip (B).
  - (2) Remove the screw (C).
  - (3) Push the grommet (D) down and remove the service hole cover.



- 7) Disconnect the connector (A) from fuel pump, and remove the clip (B) securing the harness.
- 8) Disconnect the quick connector of fuel delivery tube (C) and fuel sub delivery tube (D). <Ref. to FU(H6DO)-76, 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.

### 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:

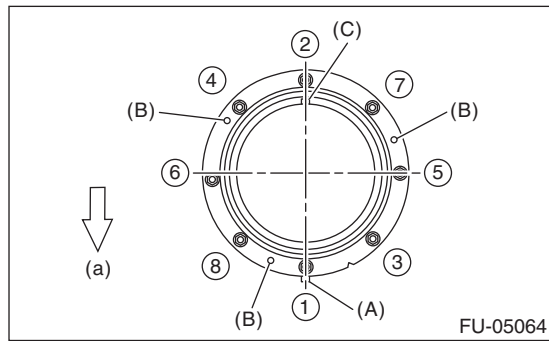
Use a new gasket and retainer.

# Fuel Pump

## FUEL INJECTION (FUEL SYSTEMS)

### **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 battery positive terminal to terminal No. 5 and 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.

