

# Fuel Pump

## FUEL INJECTION (FUEL SYSTEMS)

### 24. Fuel Pump

#### A: REMOVAL

##### WARNING:

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

##### CAUTION:

- Be careful not to spill fuel.
- When the fuel gauge pointer is at two third or more, the fuel may spill out. Be sure to drain the fuel before the operation.

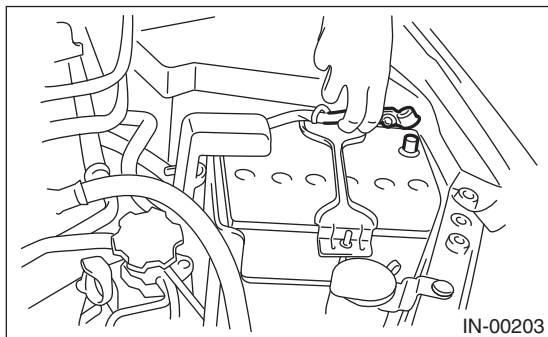
##### NOTE:

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

1) Release the fuel pressure. <Ref. to FU(H4SO)-43, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>

2) Drain fuel. <Ref. to FU(H4SO)-43, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>

3) Disconnect the ground cable from the battery.

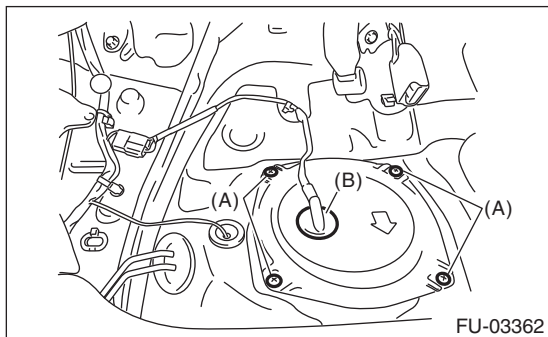


4) Remove the rear seat.

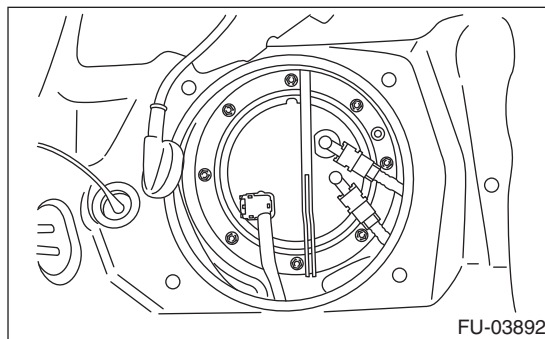
5) Remove the service hole cover.

(1) Remove the bolt (A).

(2) Push the grommet (B) down and remove the service hole cover.

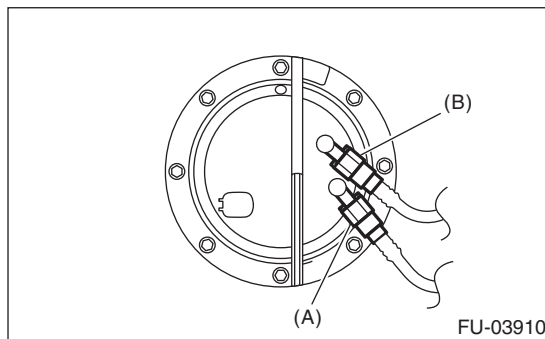


6) Disconnect the connector from fuel pump.



7) Disconnect the quick connector, then disconnect the fuel delivery tube and jet pump tube. <Ref. to FU(H4SO)-65, REMOVAL, Fuel Delivery and Evaporation Lines.>

8) Remove the nuts which install fuel pump assembly onto fuel tank.



(A) Fuel delivery tube

(B) Jet pump tube

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.

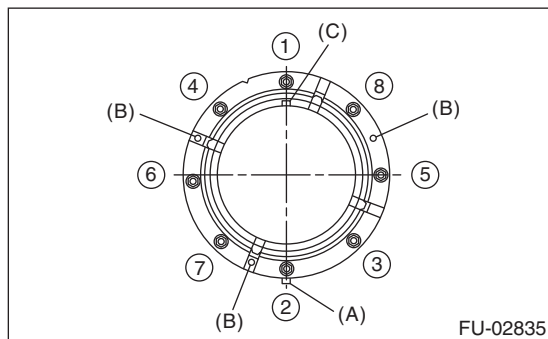
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- When assembling, point the protrusion of the gasket (A) towards the front of the vehicle.
- Insert the protrusion (B) of the gasket into the upper plate. (3 locations)
- Align the protrusion (C) of the fuel pump assembly to the cut out in the upper plate.
- Tighten the nuts to the specified torque in the order as shown in the figure.

NOTE:

Use a new gasket and retainer.

**Tightening torque:**

**4.4 N·m (0.4 kgf-m, 3.2 ft-lb)**



## C: INSPECTION

Connect the lead harness to the connector terminal of fuel pump, and apply the battery power supply to check whether the pump operates.

**WARNING:**

- Wipe off fuel completely.
- Keep the battery as far apart from fuel pump as possible.
- Be sure to perform the ON/OFF operation on the battery side.
- Do not run the fuel pump for a long time under non-load condition.

