

Fuel Pump

FUEL INJECTION (FUEL SYSTEMS)

26. Fuel Pump

A: REMOVAL

WARNING:

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

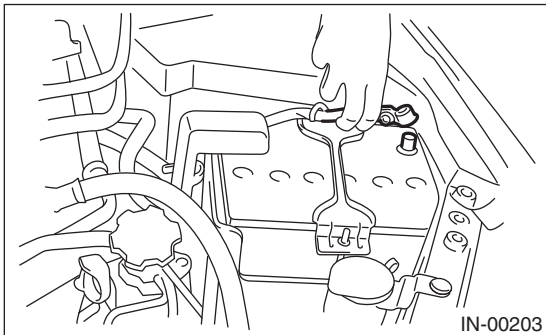
CAUTION:

- Be careful not to spill fuel.
- When the fuel meter indication is higher than two third of the total, perform the work after draining the fuel not to spill the fuel.

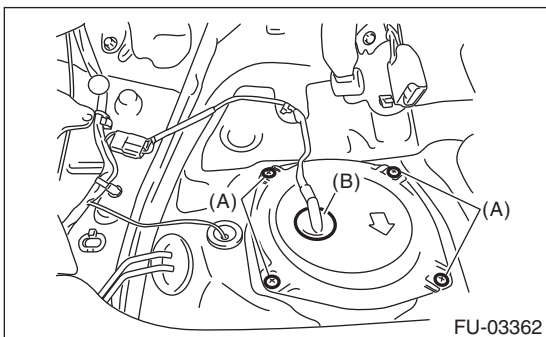
NOTE:

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

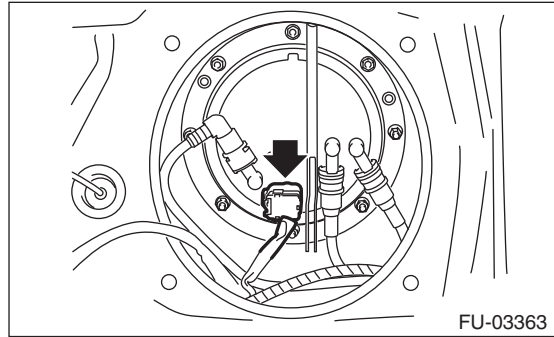
- 1) Release the fuel pressure. <Ref. to FU(H4DOTC)-51, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(H4DOTC)-51, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.



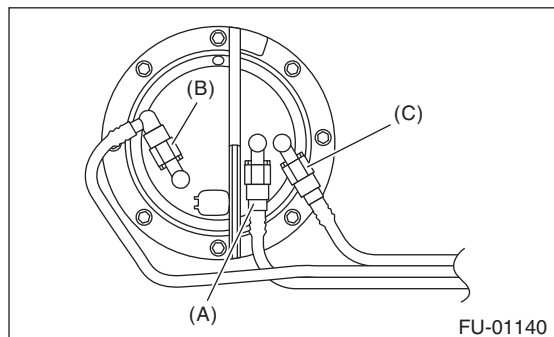
- 4) Remove the rear seat cushion. <Ref. to SE-15, REMOVAL, Rear Seat.>
- 5) Remove the service hole cover.
 - (1) Remove the bolt (A).
 - (2) Push the grommet (B) down and remove the service hole cover.



- 6) Disconnect the connector from fuel pump.



- 7) Disconnect the quick connector, then disconnect the fuel delivery tube, fuel return tube, and jet pump tube. <Ref. to FU(H4DOTC)-72, REMOVAL, Fuel Delivery, Return and Evaporation Lines.>
- 8) Remove the nuts which install fuel pump assembly onto fuel tank.



- (A) Fuel delivery tube
- (B) Fuel return tube
- (C) Fuel 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.

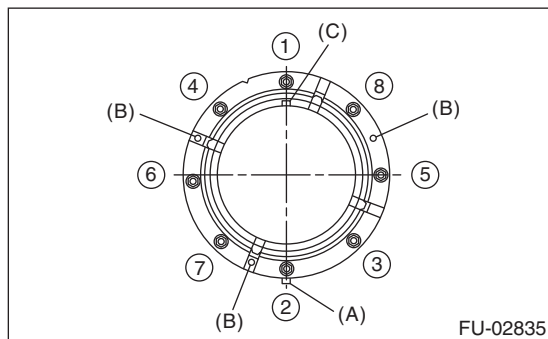
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- Install with the protrusion (A) of gasket aimed at the front side of the vehicle.
- Insert the protrusion (B) of gasket to the upper plate. (3 places)
- Align the protrusion (C) of fuel pump assembly with the cutout on 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.

