

24. Fuel Pump

A: REMOVAL

WARNING:

Place “NO OPEN FLAMES” signs near the working area.

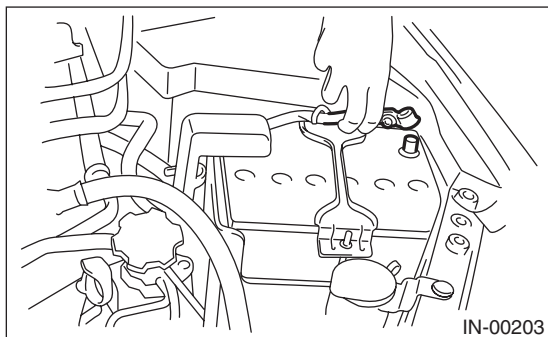
CAUTION:

- 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.

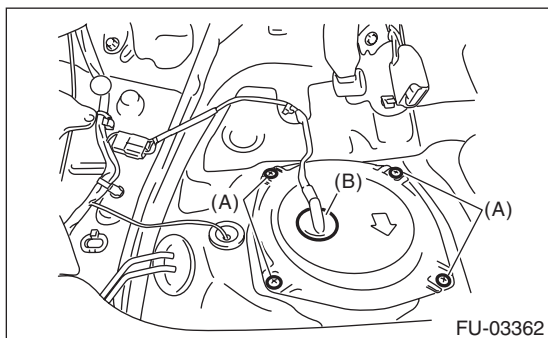
NOTE:

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

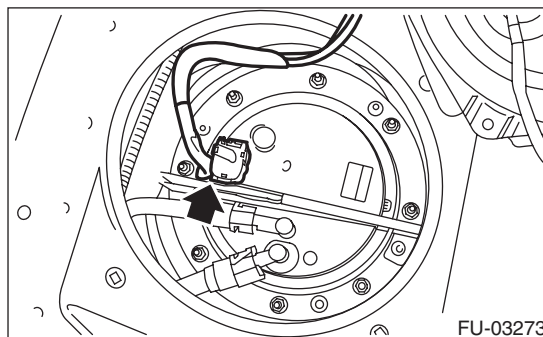
- 1) Release the fuel pressure. <Ref. to FU(H4SO)-52, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(H4SO)-52, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.



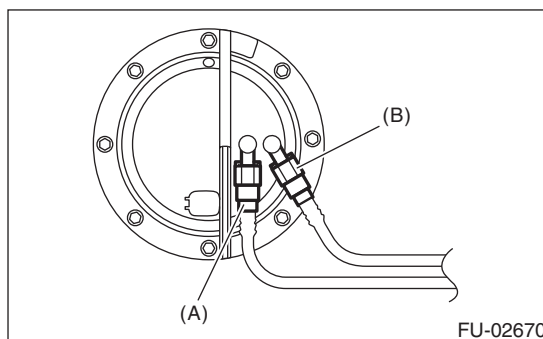
- 4) Remove the rear seat cushion. <Ref. to SE-12, REMOVAL, Rear Seat.>
- 5) Remove the service hole cover.
 - (1) Remove the screws (A).
 - (2) Push the grommet (B) down and remove service hole cover.



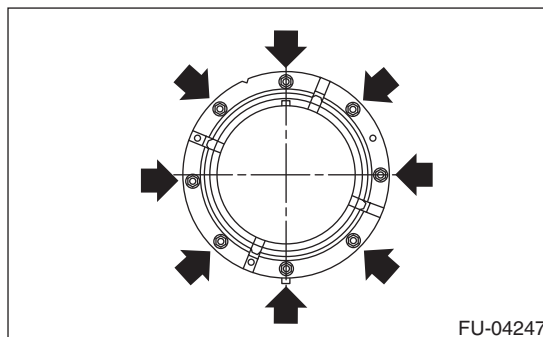
- 6) Disconnect the connector from fuel pump.



- 7) Disconnect the quick connector of fuel delivery tube (A) and jet pump tube (B). <Ref. to FU(H4SO)-75, REMOVAL, Fuel Delivery and Evaporation Lines.>



- 8) Remove the nuts which hold the fuel pump assembly 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.

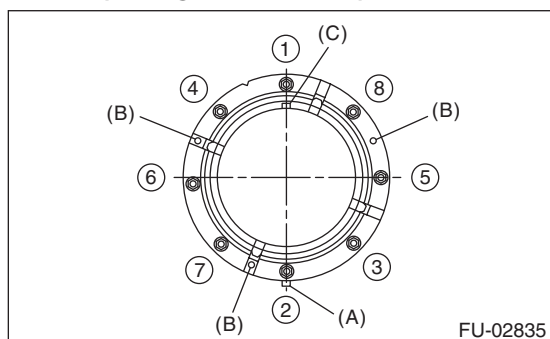
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- Install with the protrusion (A) of gasket aimed at the front side of the vehicle.
- Insert the protrusion (B) of gasket into the upper plate. (3 places)
- Align the protrusion (C) of fuel pump assembly with the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

NOTE:

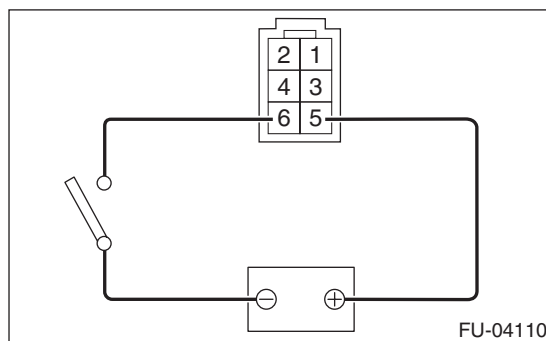
Use a new gasket and retainer.

Tightening torque:

4.4 N·m (0.4 kgf-m, 3.2 ft-lb)

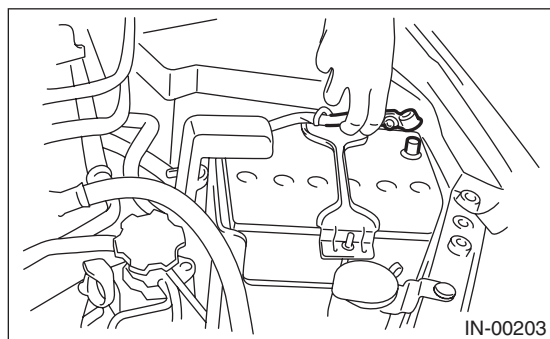


- Do not run the fuel pump for a long time under non-load condition.



C: INSPECTION

- 1) Disconnect the ground cable from battery.



- 2) Remove the fuel pump. <Ref. to FU(H4SO)-64, REMOVAL, Fuel Pump.>

- 3) Connect terminal No. 5 to battery positive terminal and No. 6 terminal to the battery ground terminal, and inspect the fuel pump operation.

WARNING:

- Wipe off fuel completely.
- Keep the battery as far apart from fuel pump as possible.