

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.

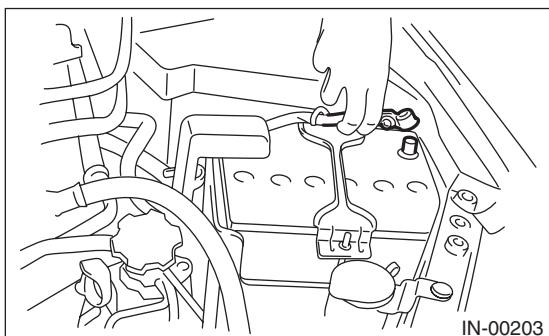
NOTE:

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

1) Release the fuel pressure. <Ref. to FU(H4SO)-53, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>

2) Drain fuel. <Ref. to FU(H4SO)-53, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>

3) Disconnect the ground cable from battery.

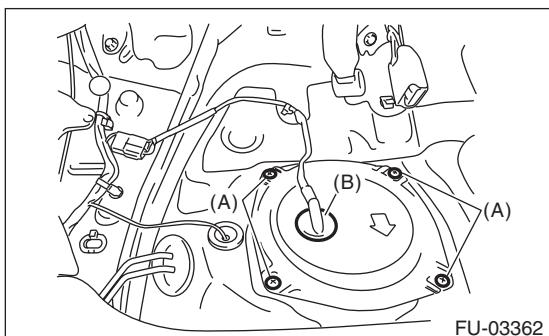


4) Remove the rear seat cushion. <Ref. to SE-13, REMOVAL, Rear Seat.>

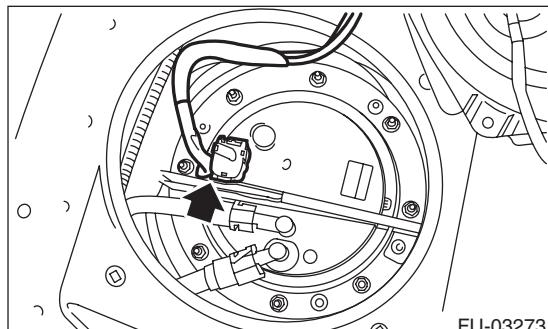
5) Remove the service hole cover.

(1) Remove the screws (A).

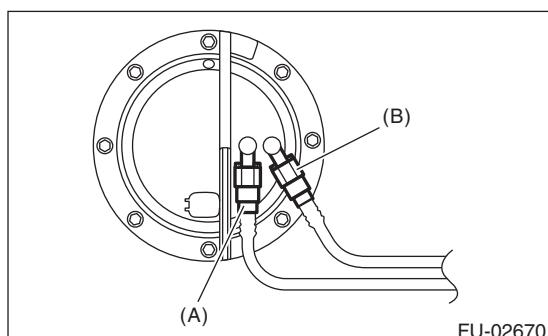
(2) Push the grommet (B) down and remove service hole cover.



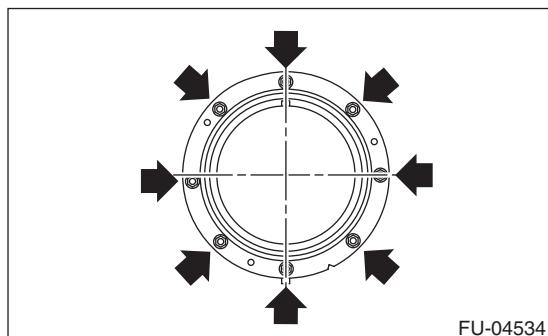
6) Disconnect the connector from fuel pump.



7) Disconnect the quick connector of fuel delivery tube (A) and jet pump tube (B). <Ref. to FU(H4SO)-77, REMOVAL, Fuel Delivery and Evaporation Lines.>



8) Remove the nuts which hold the fuel pump upper plate 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.

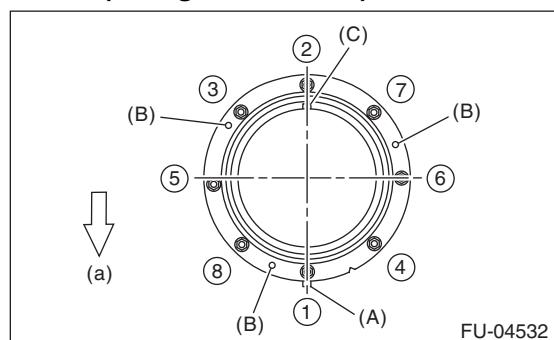
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- Install with the protrusion (A) of gasket aimed at the front side of the vehicle.
- Insert the protrusion (B) of gasket into the upper plate. (3 places)
- Align the protrusion (C) of fuel pump assembly with the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

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

