

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 and fuel level sensor.

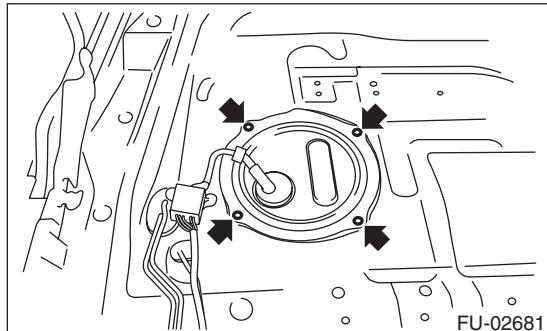
1) Release the fuel pressure. <Ref. to FU(H6DO)-59, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>

2) Drain fuel. <Ref. to FU(H6DO)-59, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>

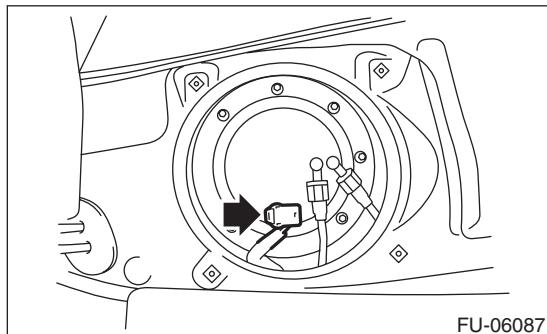
3) Disconnect the ground cable from battery.

4) Remove the second row seats. <Ref. to SE-13, REMOVAL, Second Seat.>

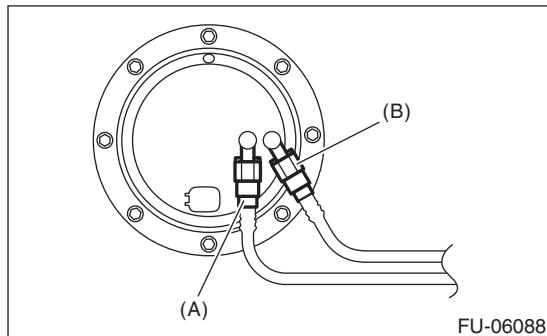
5) Remove the service hole cover.



6) Disconnect the connector from fuel pump.

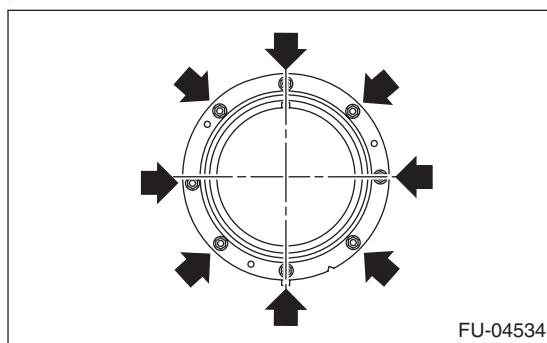


7) Disconnect the quick connectors of fuel delivery tube and fuel sub delivery tube. <Ref. to FU(H6DO)-75, REMOVAL, Fuel Delivery and Evaporation Lines.>



(A) Fuel delivery tube
(B) Fuel sub delivery tube

8) Remove the nuts securing the fuel pump upper plate to the fuel tank and remove the fuel pump upper plate.



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.

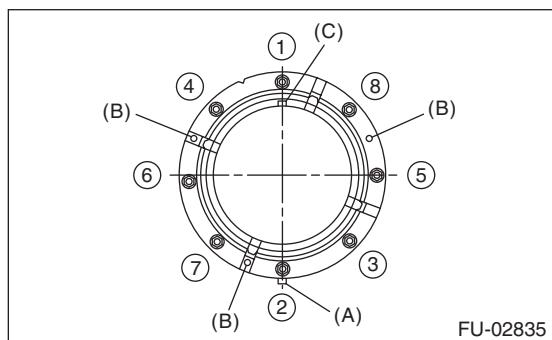
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- Install with the protrusion (A) of gasket aimed at the front side of the vehicle.
- Insert the protrusion (B) of gasket into the upper plate. (3 places)
- Align the protrusion (C) of fuel pump assembly with the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



C: INSPECTION

- 1) Check that the fuel pump has no deformation, cracks or other damages.
- 2) Connect the battery positive terminal to terminal No. 5 and the 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.

