25.Fuel Pump

A: REMOVAL

WARNING:
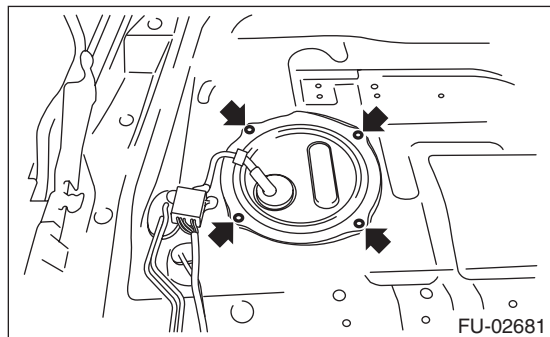**Place "NO FIRE" signs near the working area.**

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.**

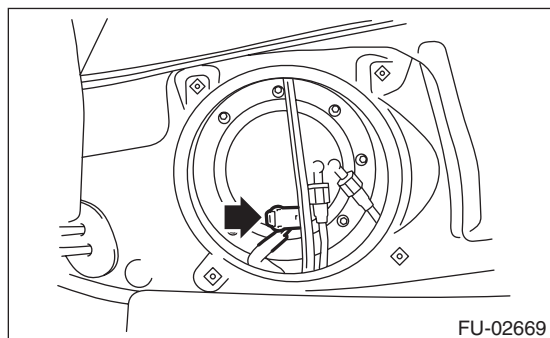NOTE:
Fuel pump assembly consists of fuel pump, fuel filter and fuel level sensor.
1) Release the fuel pressure. <Ref. to FU(H6DO)-42, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
2) Drain fuel. <Ref. to FU(H6DO)-42, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
3) Remove the second seat. <Ref. to SE-13, REMOVAL, Second Seat.>
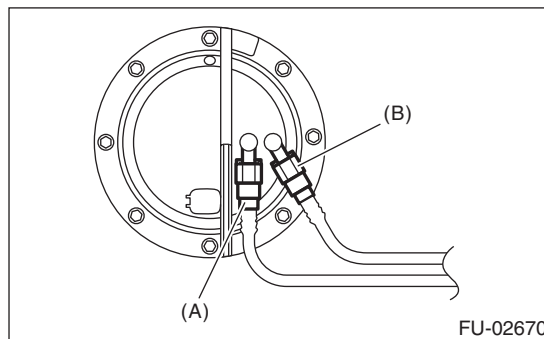4) Remove the service hole cover.

FU-02681

5) Disconnect the connector from fuel pump.

FU-02669

6) Disconnect the quick connector, and then disconnect the fuel delivery hose and jet pump hose. <Ref. to FU(H6DO)-54, REMOVAL, Fuel Delivery & Evaporation Lines.>

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

FU-02670

(A)   Delivery hose
(B)   Jet pump hose

8) Remove the fuel pump assembly from the fuel tank.

B: INSTALLATION

Install in the reverse order of removal while being careful of the following.
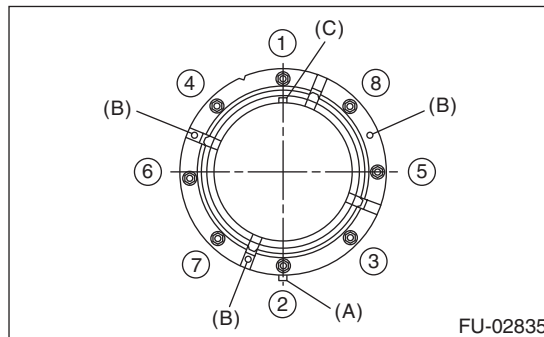• Make sure the sealing portion is free from fuel or foreign matter before installation.
• Install with the protrusion (A) of gasket aimed at the front side of the vehicle.
• Insert the protrusion (B) of gasket to the upper plate. (3 places)
• Align the protrusion (C) of fuel pump assembly with the cutout portion of 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)

FU-02835

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.

CAUTION:
• **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.**

FU-01330