

26. Fuel Sub Level Sensor

A: REMOVAL

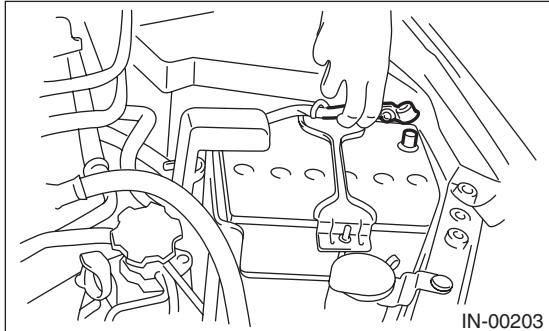
WARNING:

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.

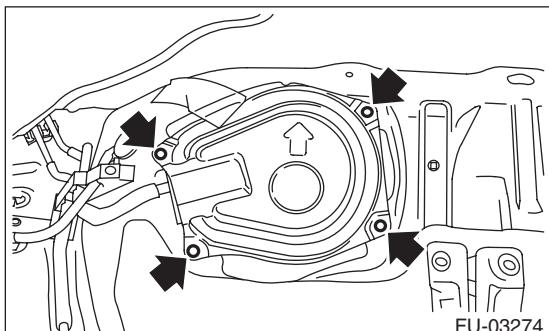
- 1) Release the fuel pressure. <Ref. to FU(H4SO)-52, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Drain fuel. <Ref. to FU(H4SO)-52, DRAINING FUEL (WITH SUBARU SELECT MONITOR), PROCEDURE, Fuel.>
- 3) Disconnect the ground cable from battery.



IN-00203

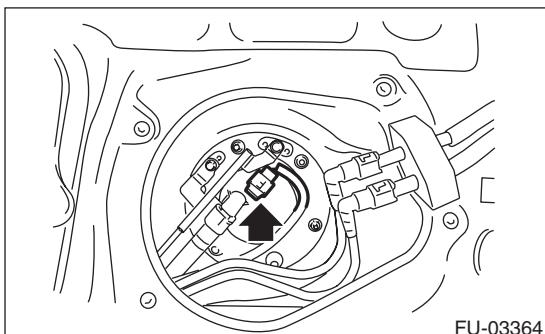
- 4) Remove the rear seat cushion. <Ref. to SE-12, REMOVAL, Rear Seat.>

- 5) Remove the service hole cover.



FU-03274

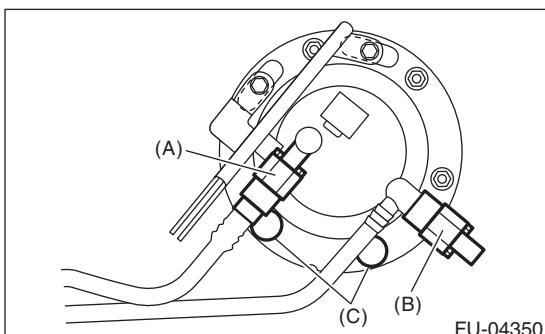
- 6) Disconnect the connector from the fuel sub level sensor.



FU-03364

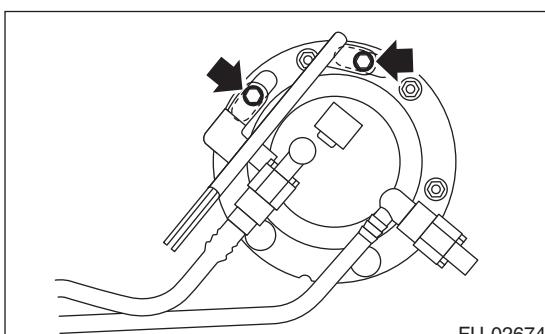
- 7) Disconnect the quick connector of fuel delivery tube (A) and jet pump tube (B). <Ref. to FU(H4SO)-75, REMOVAL, Fuel Delivery and Evaporation Lines.>

- 8) Remove the rubber cap (C) from the nut.

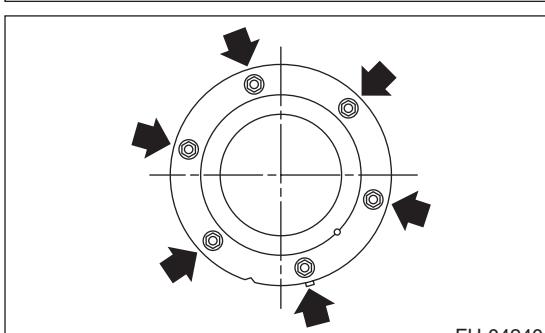


FU-04350

- 9) Remove the bolts and nuts which hold fuel sub level sensor to the fuel tank.



FU-02674



FU-04240

- 10) Remove the fuel sub level sensor.

Fuel Sub Level Sensor

FUEL INJECTION (FUEL SYSTEMS)

B: INSTALLATION

Install in the reverse order of removal while being careful of the following.

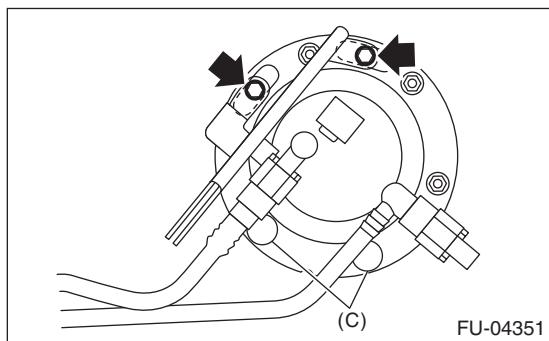
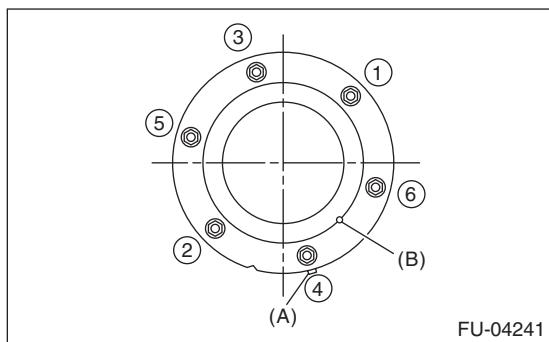
- Make sure the sealing portion is free from fuel or foreign matter before installation.
- Align protrusion (A) of the gasket to the position shown in the following figure.
- Align protrusion (B) of the fuel sub level sensor to the cut out in the fuel sub level sensor upper plate.
- Tighten the nuts and bolts to the specified torque in the order as shown in the figure.
- After tightening, install the rubber cap (C) shown in the figure.

NOTE:

- Use a new gasket and retainer.
- Do not forget to install rubber cap (C).

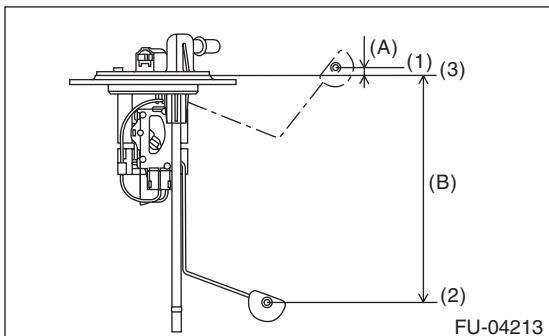
Tightening torque:

4.4 N·m (0.4 kgf·m, 3.2 ft-lb)



C: INSPECTION

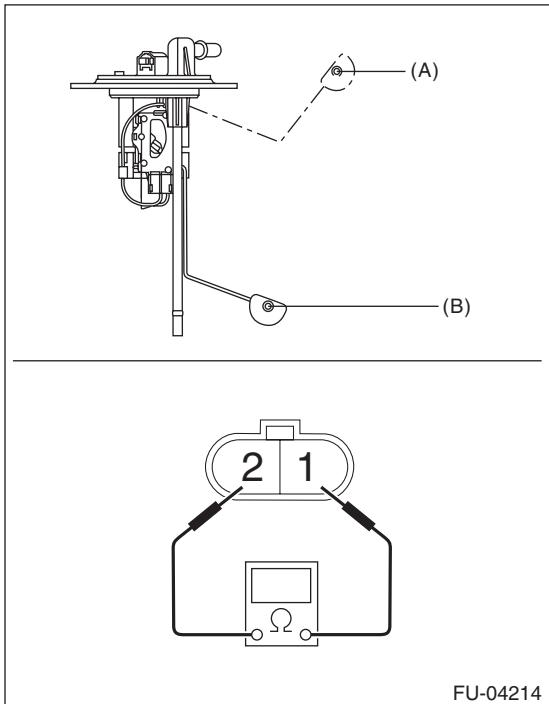
- 1) Measure the fuel sub level sensor float position.



- (1) FULL
- (2) EMPTY
- (3) Datum points

Float position	Standard
FULL to Datum point (A)	5.31 ± 3.5 mm (0.209 ± 0.138 in)
EMPTY to Datum point (B)	160.6 ± 3.5 mm (6.323 ± 0.138 in)

- 2) Measure the resistance between fuel sub level sensor terminals.



Float position	Terminal No.	Standard
FULL (A)	1 and 2	2.0 ± 1.0 Ω
EMPTY (B)		62.1 ± 1.0 Ω