

Fuel Level Sensor

FUEL INJECTION (FUEL SYSTEMS)

25.Fuel Level Sensor

A: REMOVAL

WARNING:

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

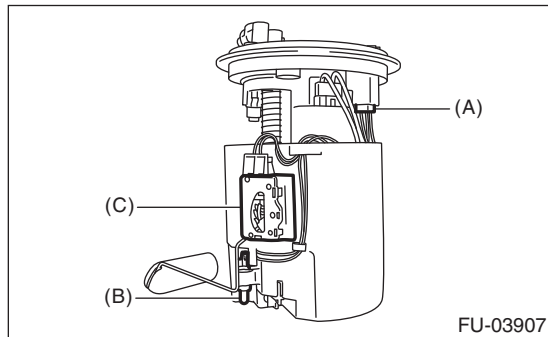
CAUTION:

- 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:

The fuel level sensor is built in fuel pump assembly.
<Ref. to FU(H4SO)-56, REMOVAL, Fuel Pump.>

- 1) Remove the fuel pump assembly.
- 2) Disconnect the connector from fuel pump bracket.
- 3) Remove the fuel level sensor and fuel temperature sensor.



- (A) Connector
(B) Fuel temperature sensor
(C) Fuel level sensor

B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

4.4 N·m (0.4 kgf-m, 3.2 ft-lb)

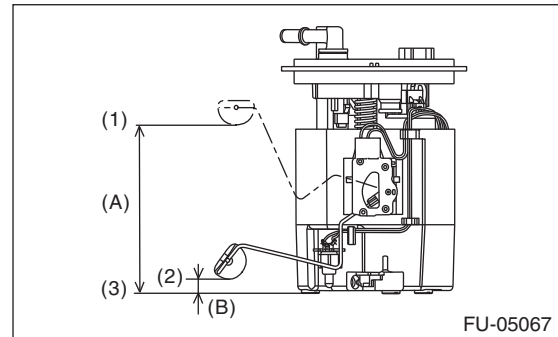
C: INSPECTION

- 1) Check that the fuel level sensor has no damage.
- 2) Measure the fuel level sensor float position.

NOTE:

When inspecting the fuel level sensor, perform the work with the sensor installed to the fuel pump.

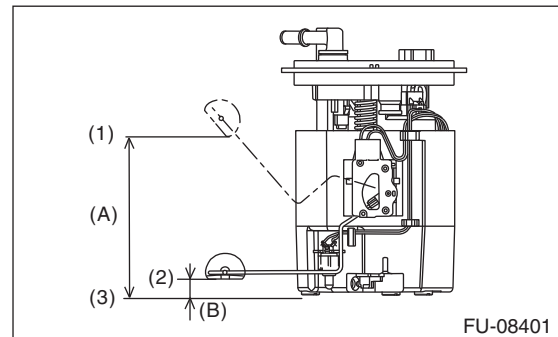
- Model with fuel level sensor bent in 3 locations



- (1) FULL
(2) EMPTY
(3) Fuel tank seating surface

Float position	Standard
FULL to Fuel tank seating surface (A)	126.4±4 mm (4.976±0.157 in)
EMPTY to Fuel tank seating surface (B)	11.0±4 mm (0.433±0.157 in)

- Model with fuel level sensor bent in 2 locations

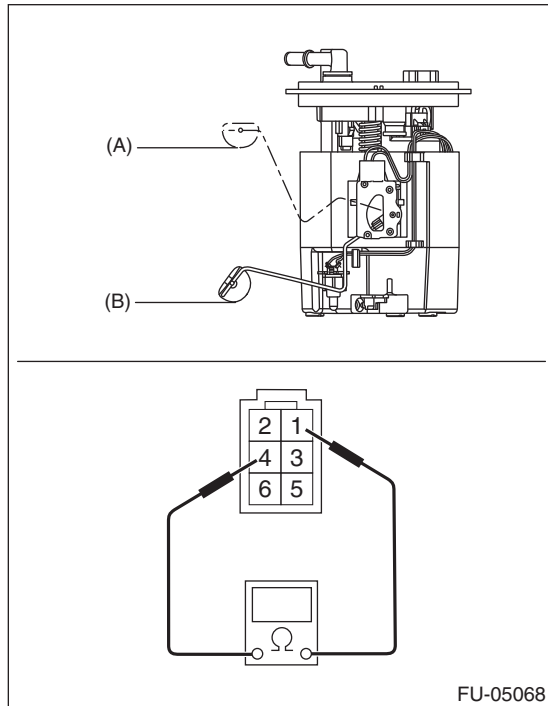


- (1) FULL
(2) EMPTY
(3) Fuel tank seating surface

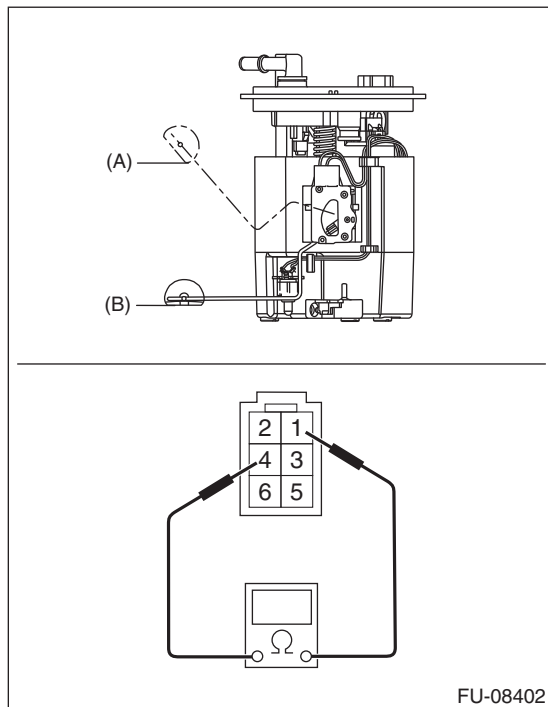
Float position	Standard
FULL to Fuel tank seating surface (A)	120.9±4 mm (4.759±0.157 in)
EMPTY to Fuel tank seating surface (B)	14.8±4 mm (0.583±0.157 in)

3) Measure the resistance between fuel level sensor terminals.

- Model with fuel level sensor bent in 3 locations



- Model with fuel level sensor bent in 2 locations



Float position	Terminal No.	Standard
FULL (A)	1 and 4	$8.7 \pm 1.0 \Omega$
EMPTY (B)		$139.1 \pm 2.0 \Omega$