

Fuel Level Sensor

FUEL INJECTION (FUEL SYSTEMS)

25.Fuel Level Sensor

A: REMOVAL

WARNING:

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

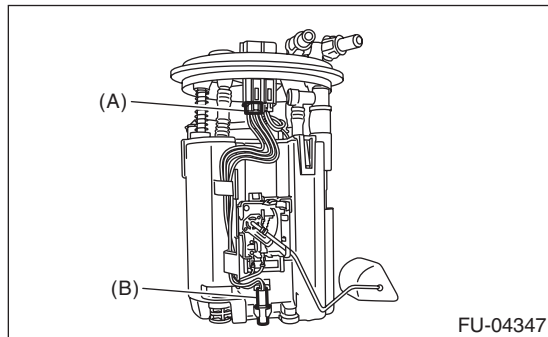
CAUTION:

- Be careful not to spill fuel.
- 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.

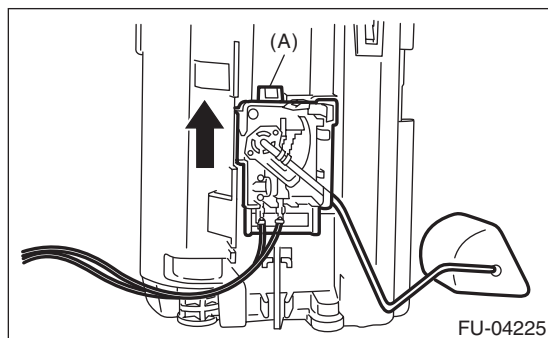
NOTE:

The fuel level sensor is built in fuel pump assembly.

- 1) Remove the fuel pump assembly. <Ref. to FU(H4SO)-66, REMOVAL, Fuel Pump.>
- 2) Disconnect the fuel level sensor connector (A) from the sub tank bracket assembly.
- 3) Remove the fuel temperature sensor (B) from sub tank.



- 4) Slide the fuel level sensor in the direction of the arrow and remove the fuel level sensor by pressing the claw (A) of the fuel level sensor.



B: INSTALLATION

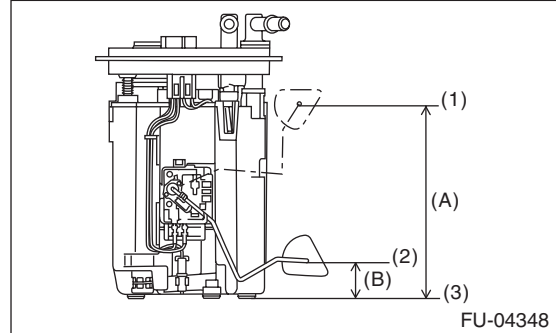
Install in the reverse order of removal.

C: INSPECTION

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

NOTE:

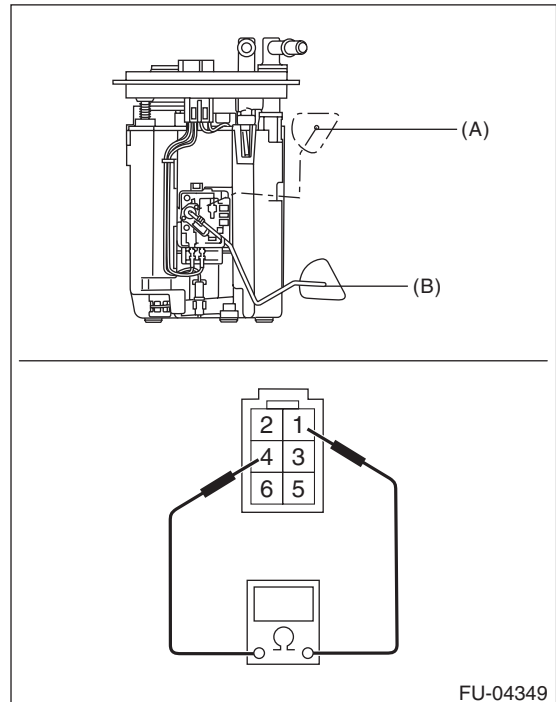
When inspecting the fuel level sensor, perform the work with the sensor installed to the fuel pump.



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

Float position	Standard
FULL to Fuel tank seating surface (A)	135 ±4 mm (5.315±0.157 in)
EMPTY to Fuel tank seating surface (B)	23.7 ±4 mm (0.933±0.157 in)

- 3) Measure the resistance between fuel level sensor terminals.



Float position	Terminal No.	Standard
FULL (A)	1 and 4	2.0±1.0 Ω
EMPTY (B)		31.9±1.0 Ω