

### 25. Fuel Level Sensor

#### A: REMOVAL

**WARNING:**

Place "NO OPEN FLAMES" signs near the working area.

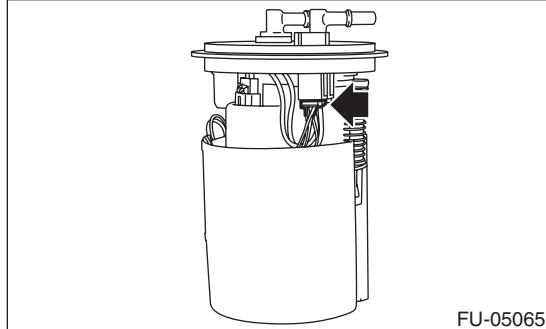
**CAUTION:**

- 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.

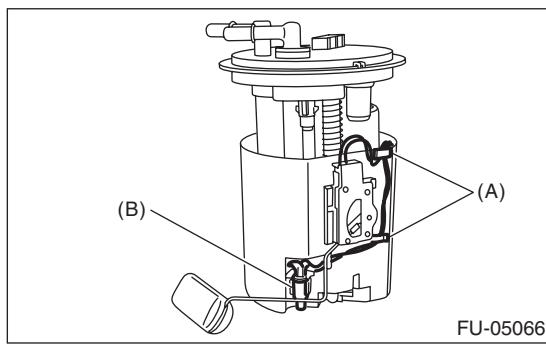
**NOTE:**

The fuel level sensor is built in fuel pump assembly.

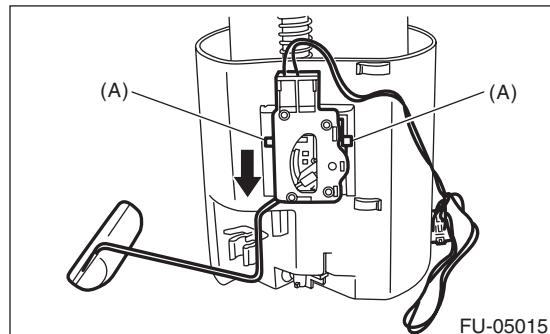
- 1) Remove the fuel pump assembly. <Ref. to FU(H4SO)-60, REMOVAL, Fuel Pump.>
- 2) Disconnect the fuel level sensor connector from the fuel filter assembly.



- 3) Remove the harness from the hooks (A) on the fuel chamber assembly and remove the fuel temperature sensor (B) from fuel chamber assembly.



- 4) Press two claws (A) of the fuel level sensor, and slide the fuel level sensor in the direction of the arrow to remove the fuel level sensor.



#### B: INSTALLATION

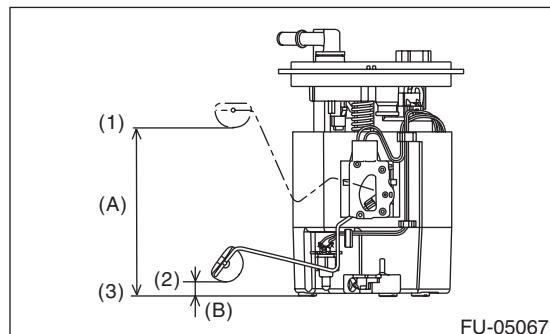
Install in the reverse order of removal.

#### C: INSPECTION

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

**NOTE:**

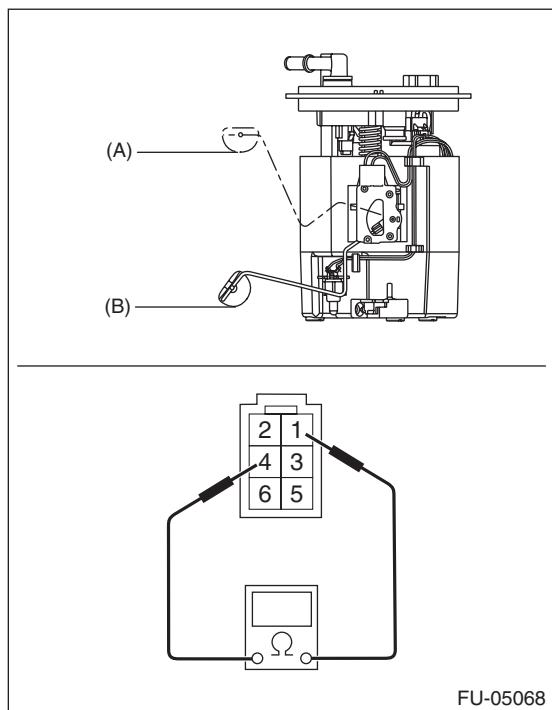
When inspecting the fuel level sensor, perform the work with the sensor installed to the fuel pump.



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

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

3) Measure the resistance between fuel level sensor terminals.



Float position	Terminal No.	Standard
FULL (A)	1 and 4	$2.0^{+0.5}_{-1.0} \Omega$
EMPTY (B)		$31.9 \pm 1.0 \Omega$