

## 27. Fuel Level Sensor

### A: REMOVAL

#### WARNING:

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

#### CAUTION:

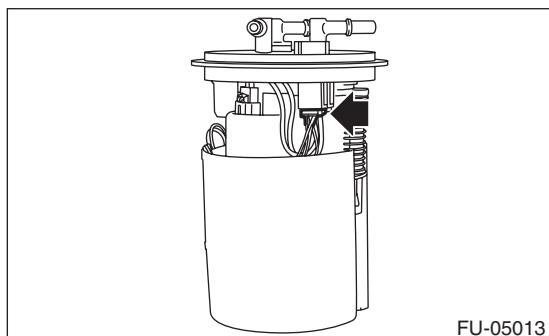
- Be careful not to spill fuel.
- If the fuel gauge indicates that two thirds or more of the fuel is remaining, be sure to drain fuel before starting work to avoid the fuel to spill.

#### NOTE:

The fuel level sensor is built in fuel pump assembly.

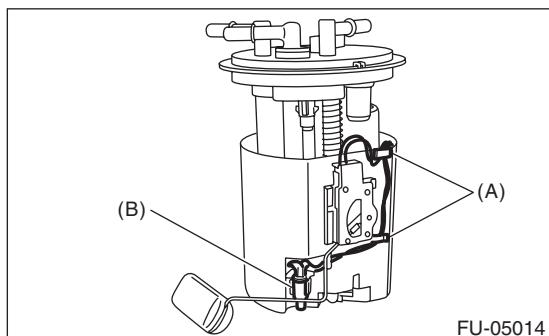
1) Remove the fuel pump assembly. <Ref. to FU(H4DOTC)-79, REMOVAL, Fuel Pump.>

2) Disconnect the connector from the fuel filter assembly.



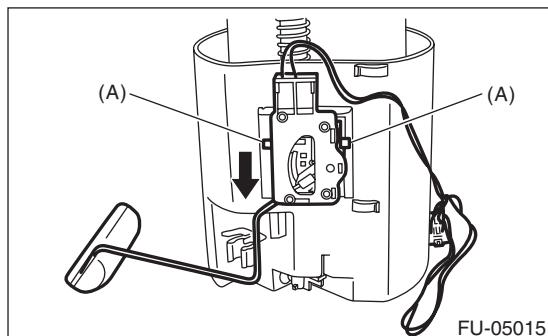
FU-05013

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



FU-05014

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.



FU-05015

### B: INSTALLATION

Install in the reverse order of removal.

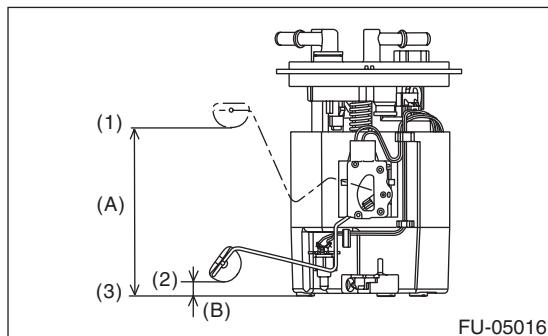
### C: INSPECTION

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.



FU-05016

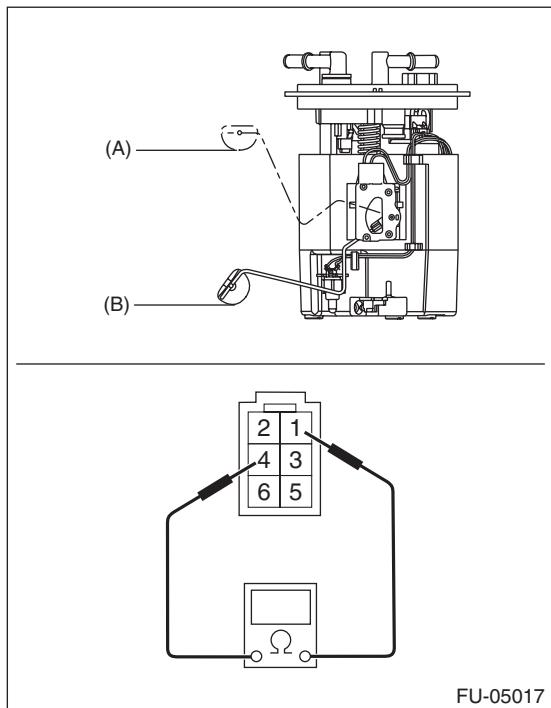
- (1) FULL
- (2) EMPTY
- (3) Fuel tank seating surface

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)

# Fuel Level Sensor

## FUEL INJECTION (FUEL SYSTEMS)

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)		$31.9 \pm 1.0 \Omega$