

## 29. Fuel Level Sensor

### A: REMOVAL

#### WARNING:

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

#### CAUTION:

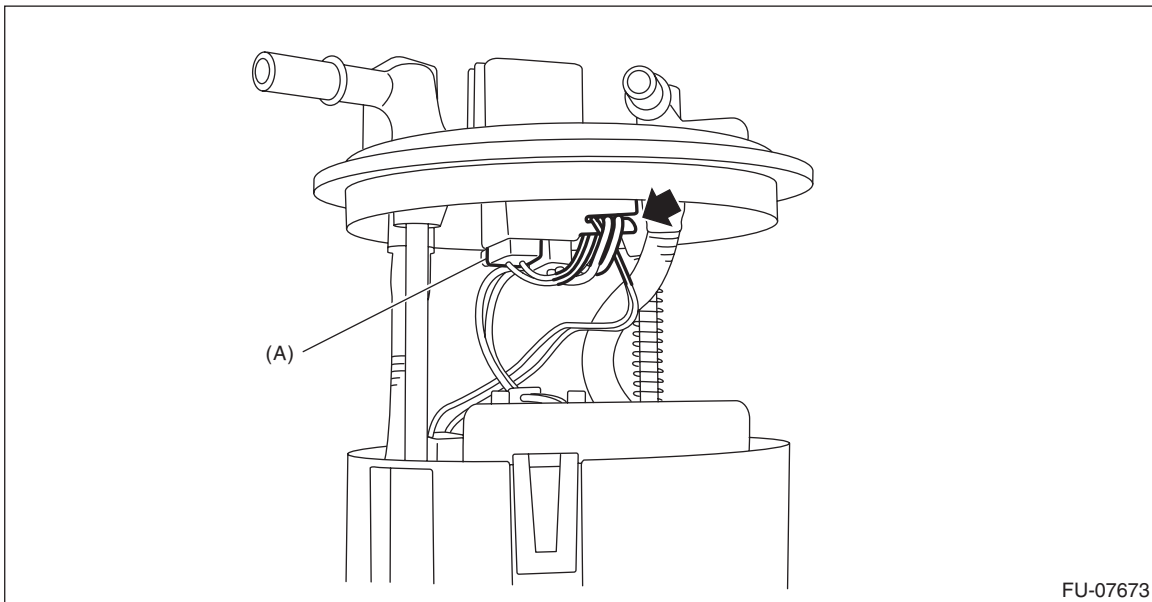
- Be careful not to spill fuel.
- If the fuel gauge indicates that two thirds or more of the fuel is remaining, be sure to drain fuel before starting work to avoid the fuel to spill.

#### NOTE:

The fuel level sensor is built in fuel pump assembly.

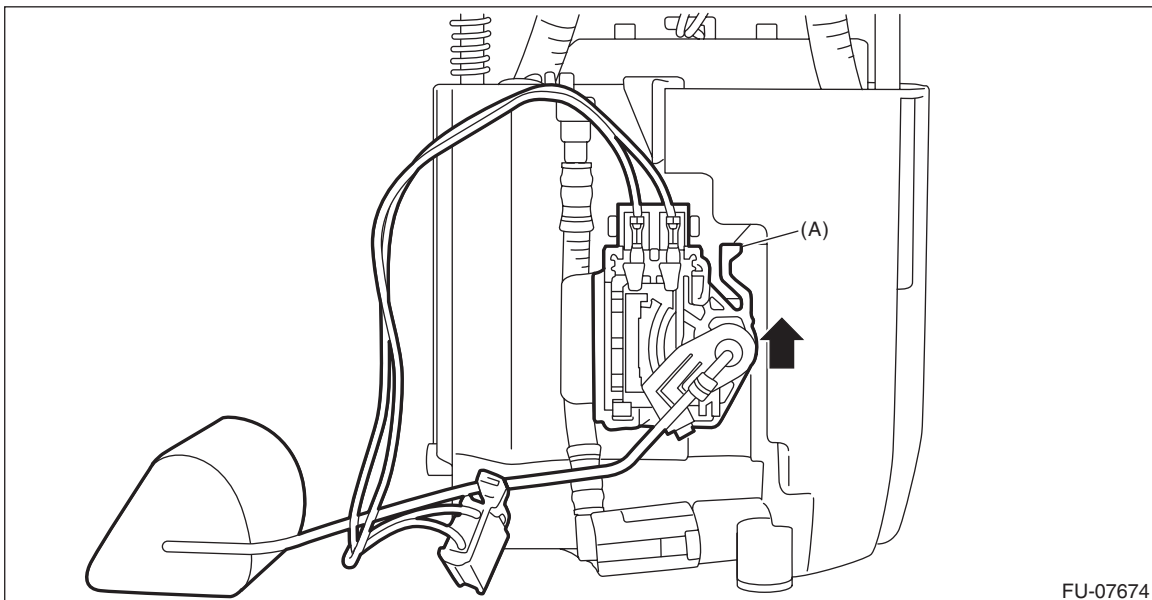
1) Remove the fuel pump assembly. <Ref. to FU(H4DO(w/o HEV))-137, REMOVAL, Fuel Pump.>

2) Disconnect the fuel level sensor connector (A), and pull out the connector cable and fuel level sensor harness from the clip.



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3) While pressing the claw (A) of the fuel level sensor, slide the fuel level sensor in the direction of the arrow, and remove the fuel level sensor.



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## Fuel Level Sensor

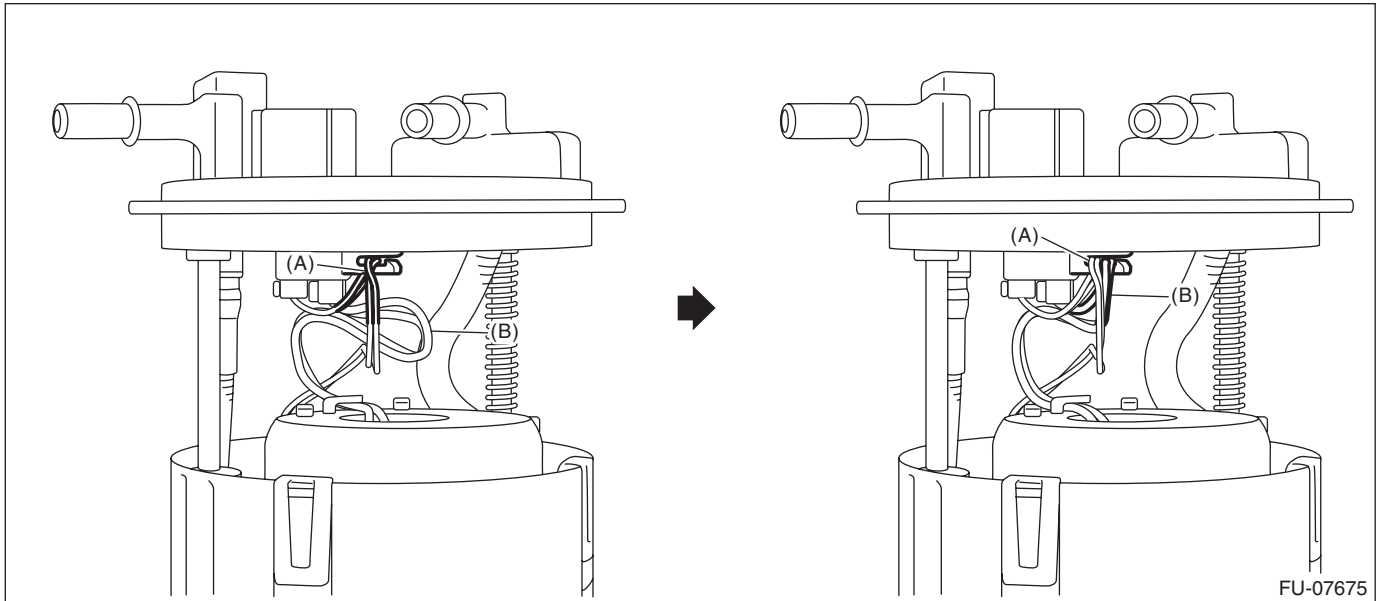
FUEL INJECTION (FUEL SYSTEMS)

### B: INSTALLATION

Install in the reverse order of removal.

#### CAUTION:

Be sure to install the fuel level sensor harness to the clip first, then install the connector cable. Otherwise, malfunction may occur.



(A) Fuel level sensor harness

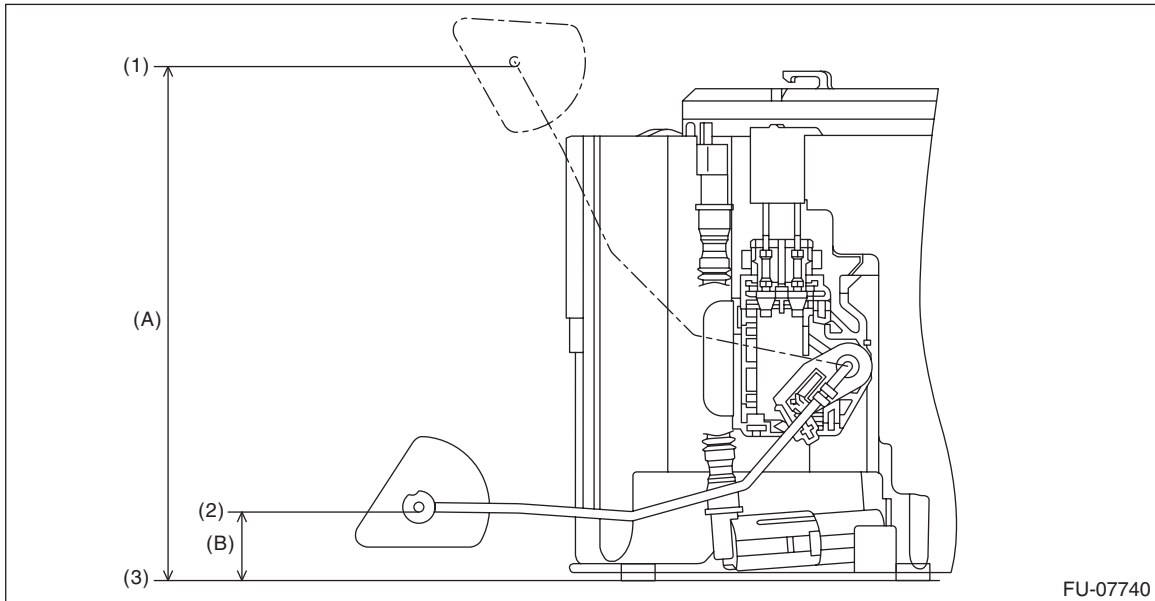
(B) Connector cable

## C: INSPECTION

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

### NOTE:

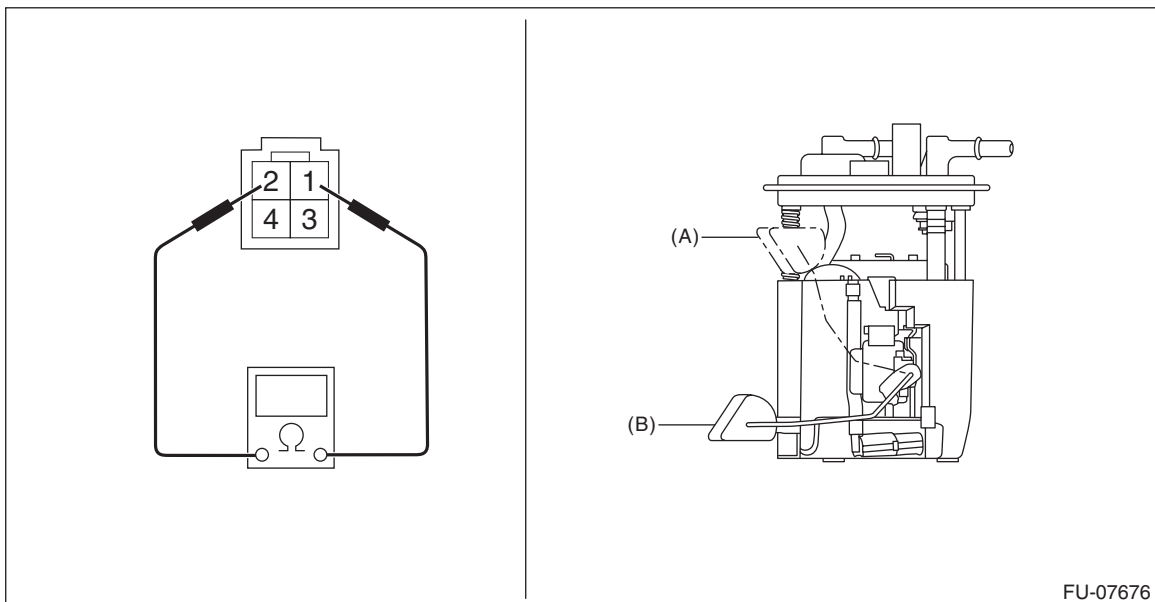
When inspecting the fuel level sensor, perform the work with the sensor installed to the fuel pump.



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

Float position	Standard
FULL to Fuel tank seating surface (A)	133.0±4 mm (5.236±0.157 in)
EMPTY to Fuel tank seating surface (B)	21.6±4 mm (0.850±0.157 in)

- 3) Check the resistance between fuel level sensor terminals by the connector on top of the fuel pump.



Float position	Terminal No.	Standard
FULL (A)	1 and 2	8.7±1.0 Ω
EMPTY (B)		139.1±2.0 Ω