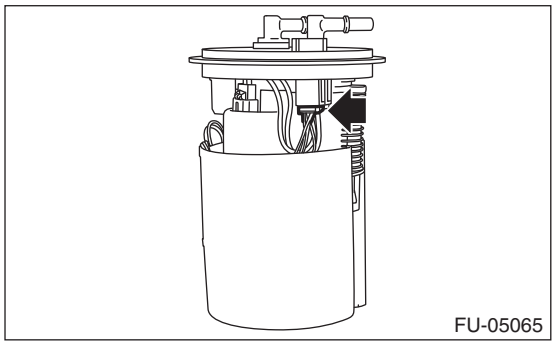
25.Fuel Level Sensor

A: REMOVAL

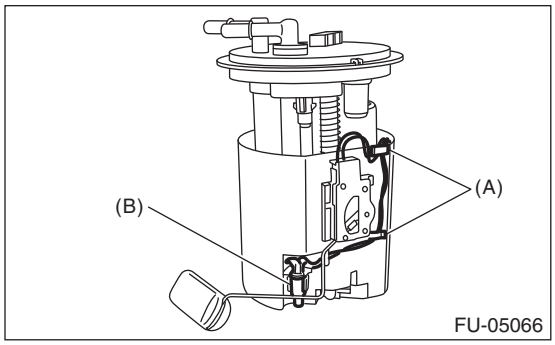
WARNING:
Place "NO OPEN FLAMES" signs near the working area.

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)-58, REMOVAL, Fuel Pump.>
2) Disconnect the connector from the fuel filter assembly.


FU-05065

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



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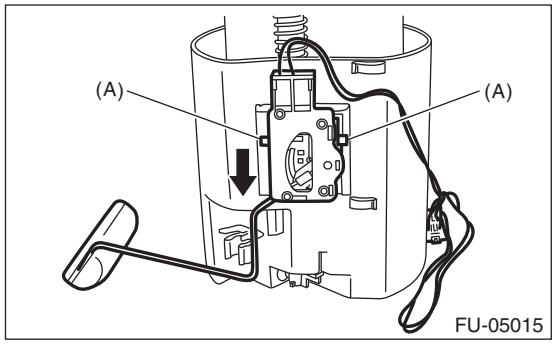
4) Press two claws (A) of the fuel level sensor, and slide the fuel level sensor in the direction of the arrow to remove the fuel level sensor.



FU-05015

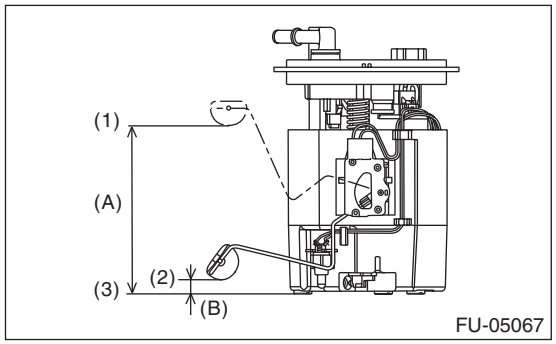
B: INSTALLATION

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.

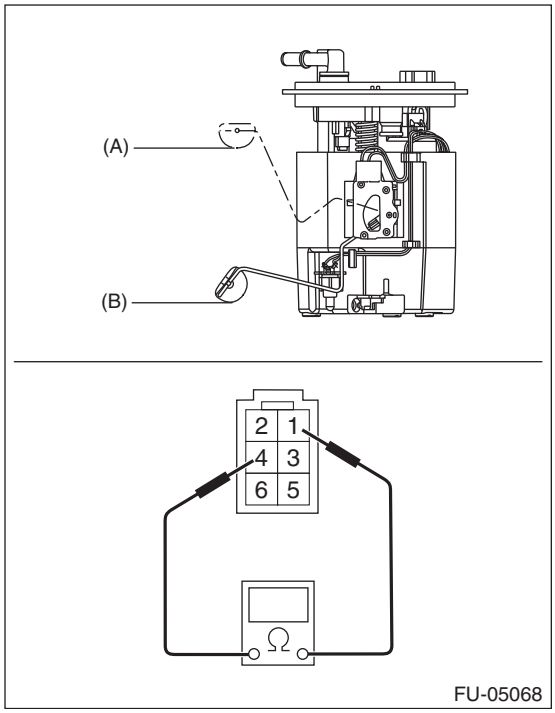


FU-05067

(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)

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