

### 32. Fuel Filter

#### A: REMOVAL

##### WARNING:

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

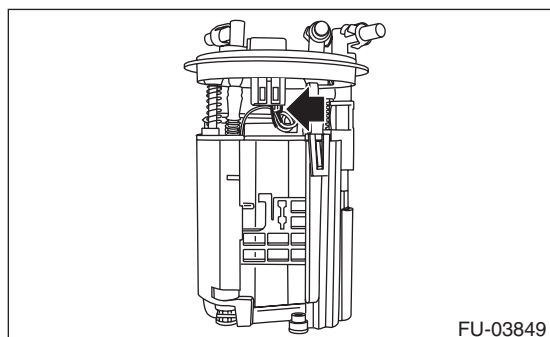
##### CAUTION:

- 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.
- Be careful not to drop or apply any impact to the fuel pump during work. This may deteriorate its performance.

##### NOTE:

The fuel filter is built in fuel pump assembly.

- 1) Remove the fuel pump assembly. <Ref. to FU(STI)-82, REMOVAL, Fuel Pump.>
- 2) Remove the fuel level sensor. <Ref. to FU(STI)-84, REMOVAL, Fuel Level Sensor.>
- 3) Disconnect the pump assembly connector from sub tank bracket assembly.



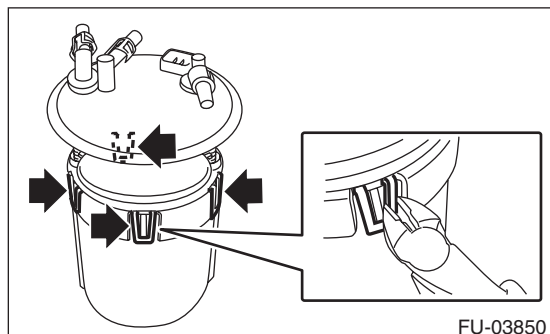
- 4) Cut off the tab holders connecting the sub tank bracket assembly and the sub tank in four locations, and separate the sub tank bracket assembly and the sub tank.

##### CAUTION:

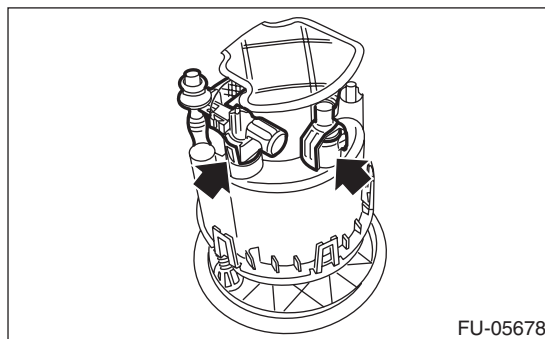
Be careful not to damage the sub tank.

##### NOTE:

If the O-ring is remaining on the sub tank, remove.



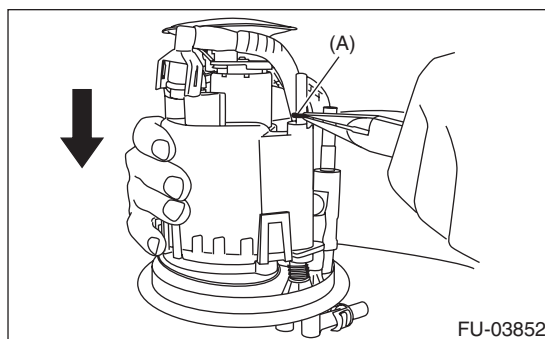
- 5) Disconnect two connectors of fuel delivery pipe from fuel filter assembly.



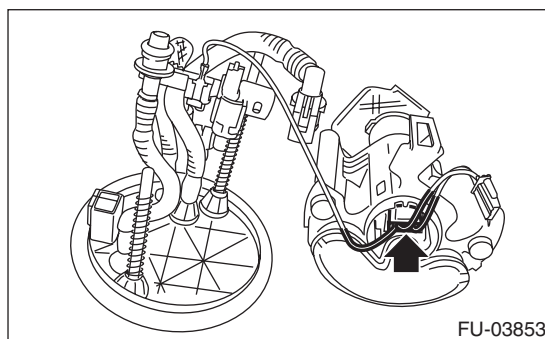
- 6) Push to compress the fuel filter assembly in the direction of the arrow, remove clip (A), and separate the sub tank bracket assembly and the fuel filter assembly.

##### CAUTION:

When separating the sub tank bracket assembly and the fuel filter assembly, be careful not to damage the ground wire.



- 7) Disconnect the connector from the pump assembly.



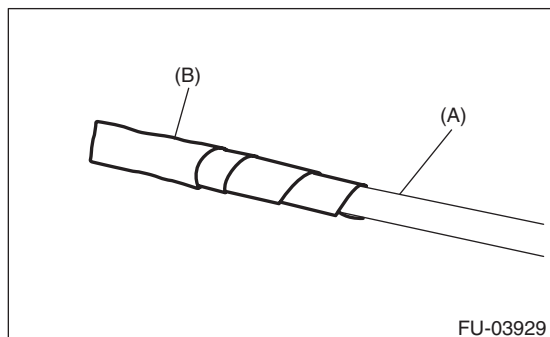
# Fuel Filter

## FUEL INJECTION (FUEL SYSTEMS)

8) Lift the two tab holders connecting the pump assembly to the fuel filter using a flat tip screwdriver (with a shaft diameter of approx. 3 mm (0.12 in)), etc., and separate the fuel filter and pump assembly.

### CAUTION:

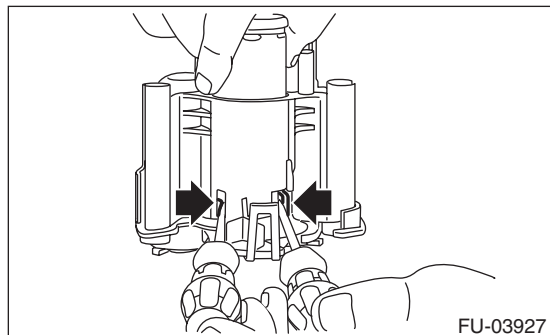
- To prevent damaging the tabs of the pump assembly, wrap the tip of flat tip screwdriver (A), etc. with tape (B).



- Be careful not to drop or apply any impact to the pump assembly.

### NOTE:

If the spacer and O-ring are remaining on the pump assembly, remove them.

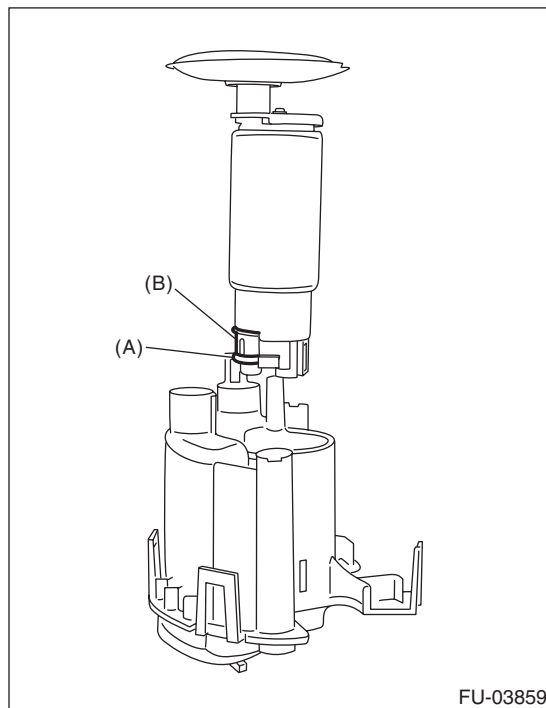


## B: INSTALLATION

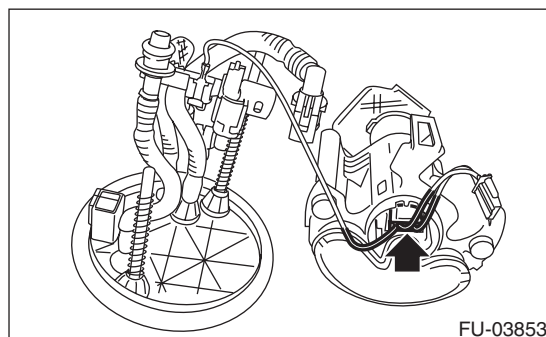
1) Assemble O-ring (A) and spacer (B) to the pump assembly and attach the pump assembly to the fuel filter.

### NOTE:

- Use new O-rings (8 mm (0.31 in) inner diameter).
- Use a new spacer.
- Apply gasoline to the O-ring.
- Insert the pump assembly until a click is heard.



2) Connect the connector to the pump assembly.



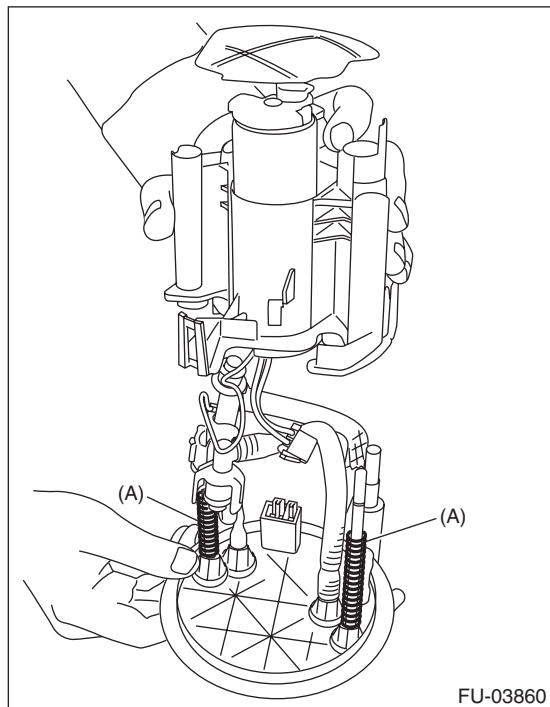
# Fuel Filter

FUEL INJECTION (FUEL SYSTEMS)

3) Attach spring (A) to the metal rod of the sub tank bracket assembly, and assemble the fuel filter assembly.

NOTE:

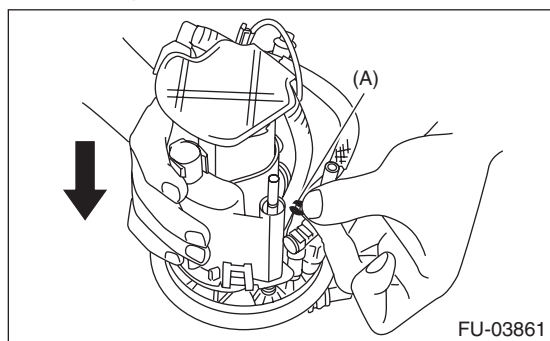
Use a new spring.



4) Push the fuel filter assembly in the direction of the arrow to compress, and attach clip (A).

NOTE:

Use a new clip.



5) Connect the fuel piping connector to the fuel filter assembly.

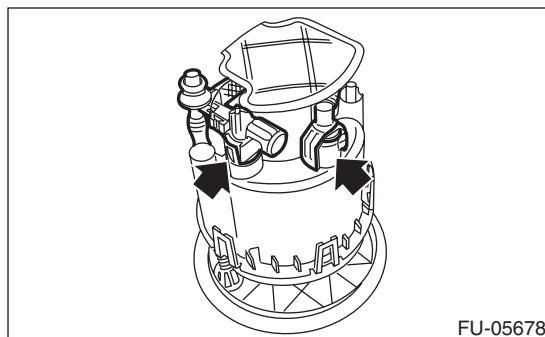
NOTE:

- Use new O-rings.
- Apply gasoline to the O-ring.
- The O-rings of the black and white connectors are identified by a difference in diameter. Be careful not to confuse the two during assembly.

**O-ring inner diameter:**

**Black connector O-ring [Approx. 7 mm (0.28 in)]**

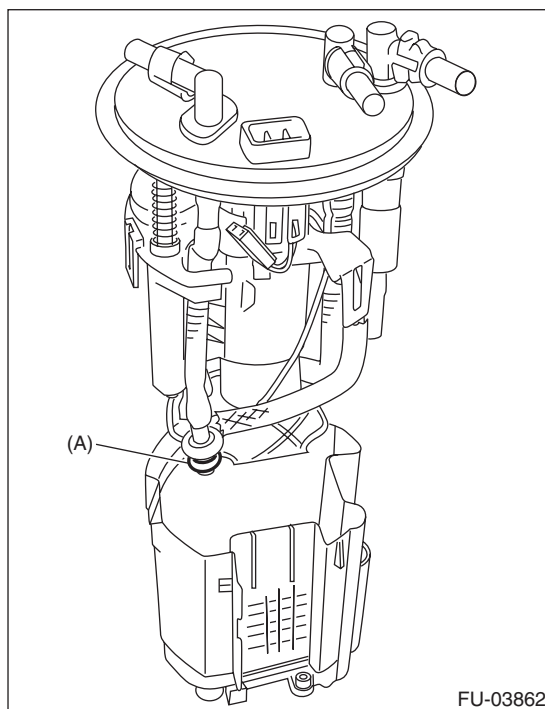
**White connector O-ring [Approx. 8 mm (0.31 in)]**



6) Attach the O-ring (A) to the fuel filter assembly, and attach the sub tank to the sub tank bracket assembly.

NOTE:

- Use new O-rings (8 mm (0.31 in) inner diameter).
- Apply gasoline to the O-ring.
- Insert the pump assembly until a “pop” is heard.

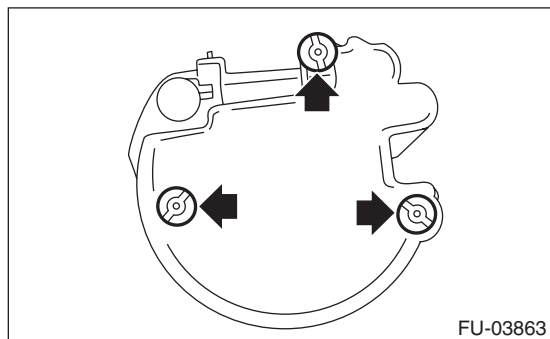


## Fuel Filter

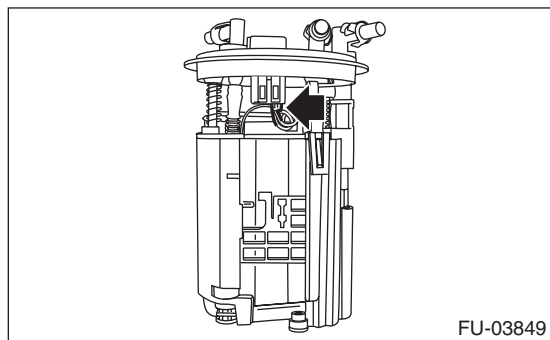
### FUEL INJECTION (FUEL SYSTEMS)

---

7) Replace the cushion on the rear face of the sub tank with a new cushion.



8) Connect the pump assembly connector to the sub tank bracket assembly.



9) Install the fuel level sensor. <Ref. to FU(STI)-84, INSTALLATION, Fuel Level Sensor.>

10) Inspect the fuel level sensor. <Ref. to FU(STI)-84, INSPECTION, Fuel Level Sensor.>

11) Install the fuel pump assembly. <Ref. to FU(STI)-83, INSTALLATION, Fuel Pump.>