

28. Fuel Filter

A: REMOVAL

WARNING:

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

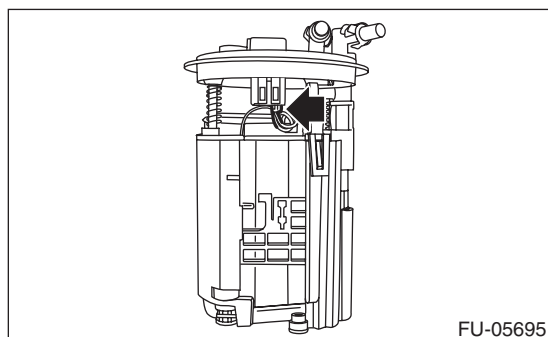
CAUTION:

- 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(H6DO)-69, REMOVAL, Fuel Pump.>
- 2) Remove the fuel level sensor. <Ref. to FU(H6DO)-71, REMOVAL, Fuel Level Sensor.>
- 3) Disconnect the pump assembly connector from sub tank bracket assembly.



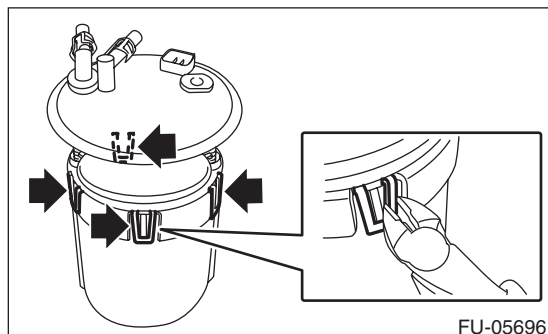
- 4) Cut off the tab holders connecting the sub tank bracket assembly and the sub tank in four locations, and separate the sub tank bracket assembly and the sub tank.

CAUTION:

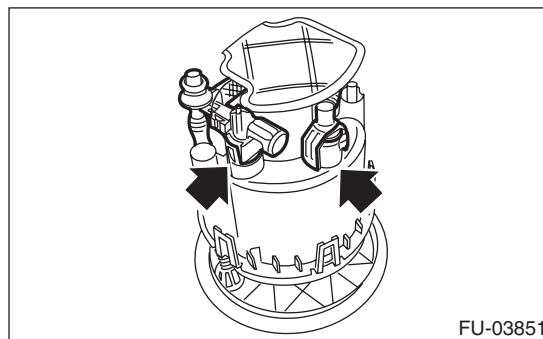
Be careful not to damage the sub tank.

NOTE:

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



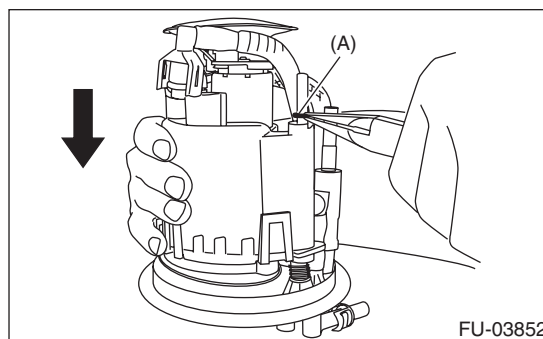
- 5) Disconnect two connectors of fuel delivery pipe from fuel filter assembly.



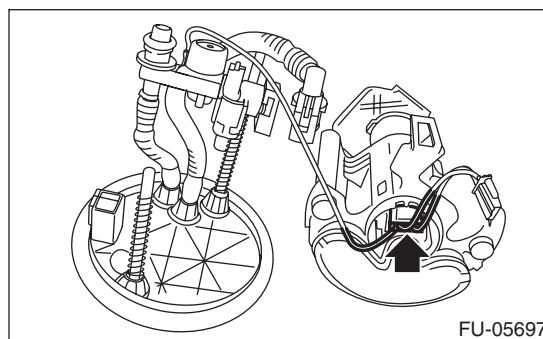
- 6) Push to compress the fuel filter assembly in the direction of the arrow, remove clip (A), and separate the sub tank bracket assembly and the fuel filter assembly.

CAUTION:

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



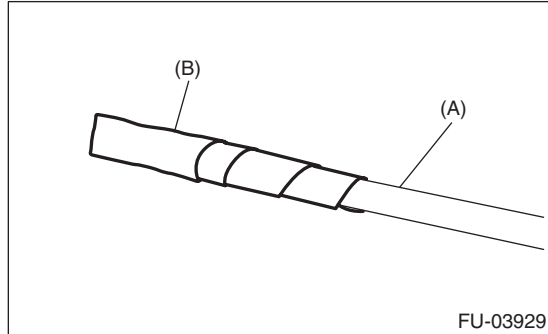
- 7) Disconnect the connector from the pump assembly.



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:

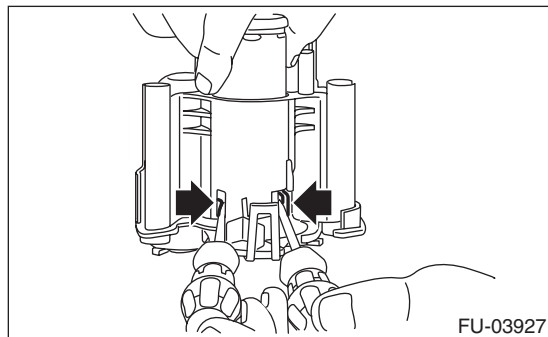
- To prevent damaging the tabs of the pump assembly, wrap the tip of flat tip screwdriver (A), etc. with tape (B).



- 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.

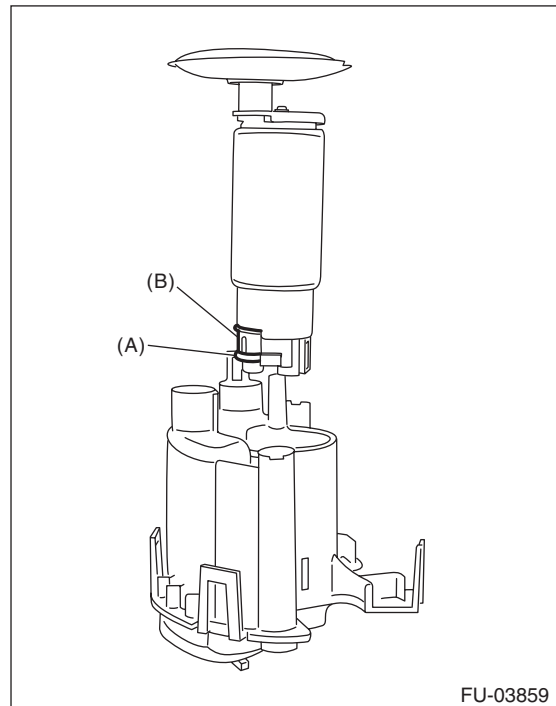


B: INSTALLATION

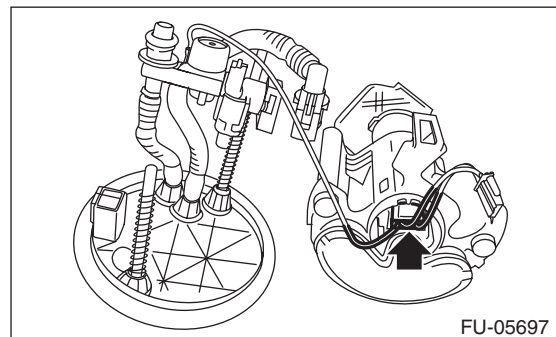
1) Assemble O-ring (A) and spacer (B) to the pump assembly and attach the pump assembly to the fuel filter.

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.



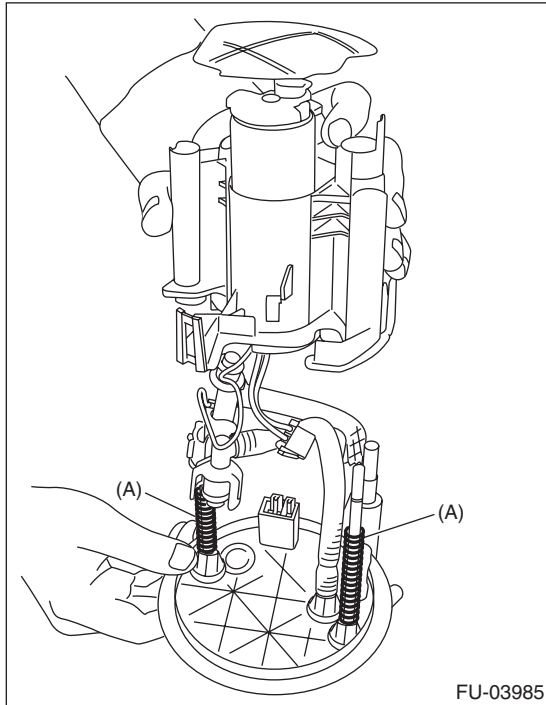
Fuel Filter

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:

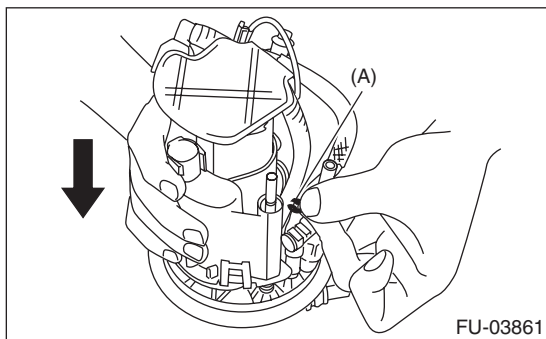
Use a new spring.



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.

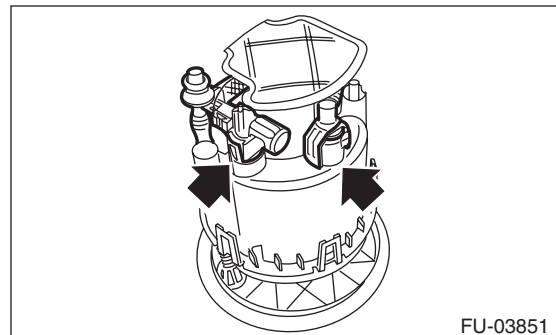
NOTE:

- 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)]

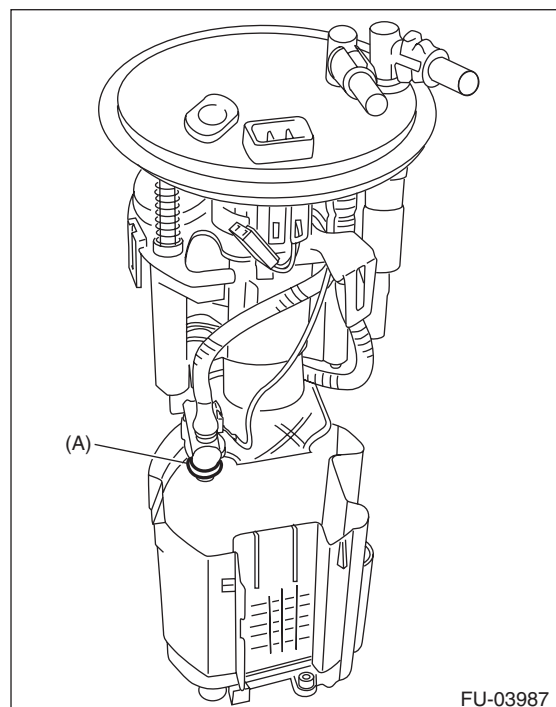
White connector O-ring [Approx. 8 mm (0.31 in)]



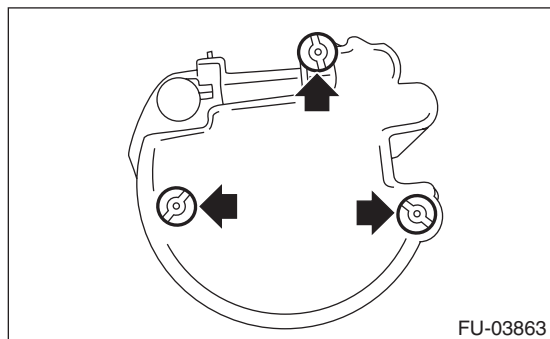
6) Attach the O-ring (A) to the fuel filter assembly, and attach the sub tank to the sub tank bracket assembly.

NOTE:

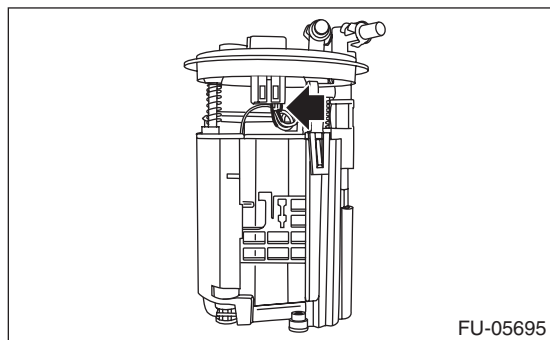
- Use new O-rings [8 mm (0.31 in) inner diameter].
- Apply gasoline to the O-ring.
- Insert the pump assembly until a “pop” is heard.



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(H6DO)-71, INSTALLATION, Fuel Level Sensor.>

10) Install the fuel pump assembly. <Ref. to FU(H6DO)-70, INSTALLATION, Fuel Pump.>