

Turn the ignition switch to ON (I) and measure the voltage between the wire harness side 4P connector [1] terminals.

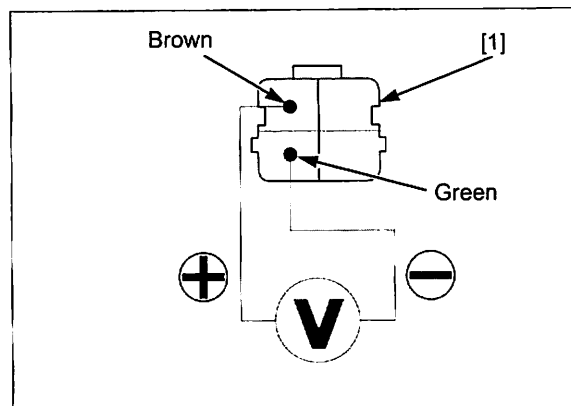
**Connection: Brown (+) – Green (–)**

There should be battery voltage for a few seconds after the ignition switch turned to ON (I).

If there is battery voltage, replace the fuel pump assembly.

If there is no voltage, check the following:

- open circuit in the Brown wire between the fuel pump and fuel pump relay
- open circuit in the Green wire between the fuel pump and ground
- fuel pump relay and its circuits (page 7-15)



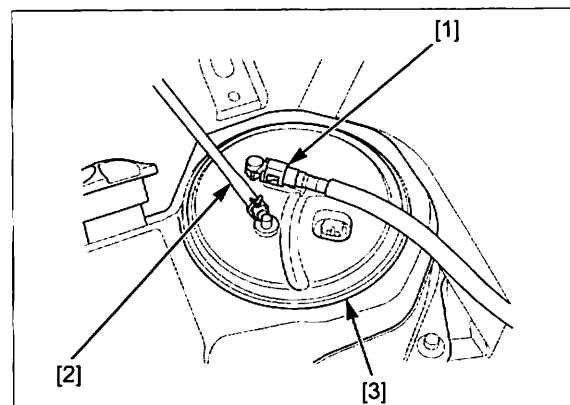
## REMOVAL

Disconnect the quick connect fitting [1] from the fuel pump (page 7-6).

Remove the seat frame (page 2-5).

Disconnect the fuel tank breather hose [2].

Remove the fuel pump rubber [3].



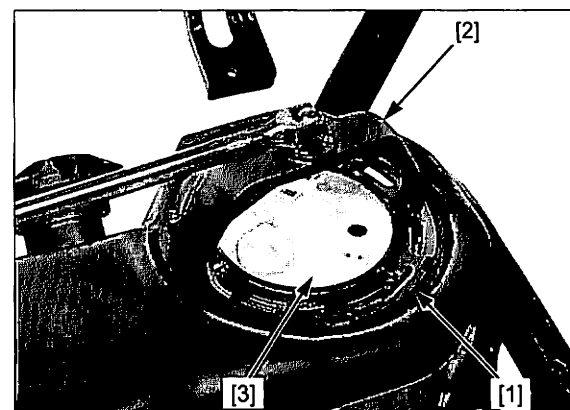
Remove the locking ring [1] by rotating it counterclockwise using the special tool.

**TOOL:**

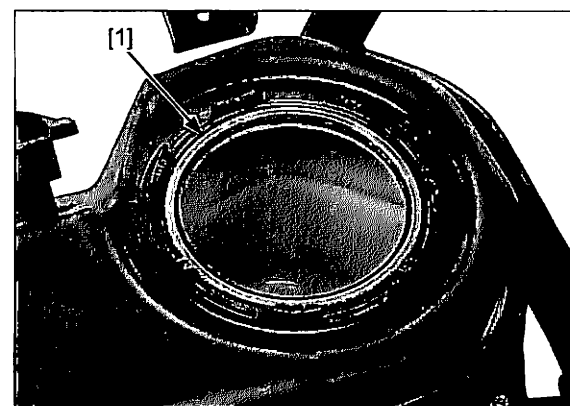
**Fuel pump lock ring wrench [2] SPX OTC #6599 commercially available in the U.S.A.**

*Be careful not to bend the float arm.*

Remove the locking ring and fuel pump assembly [3] from the fuel tank.



Remove the O-ring [1].

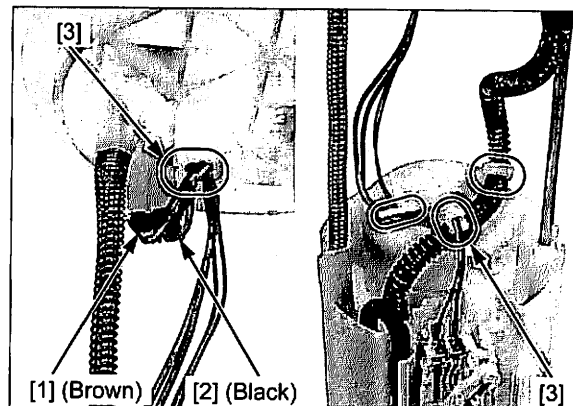


## FUEL SYSTEM

### DISASSEMBLY/ASSEMBLY

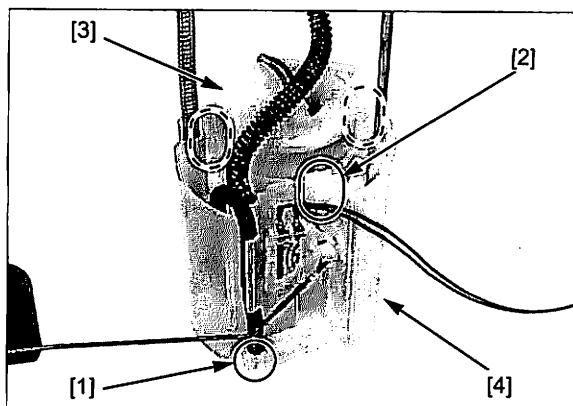
Disconnect the fuel level sensor connector [1] and fuel pump connector [2].

Release the wires from the hooks [3].



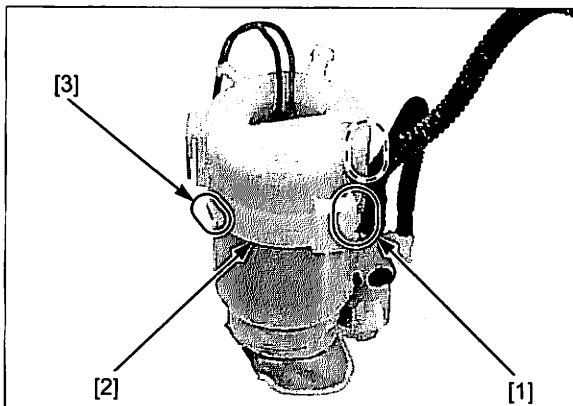
Release the hose joint [1] and disconnect it.

Release the hooks [2] and remove fuel pump body [3] from the reservoir [4].

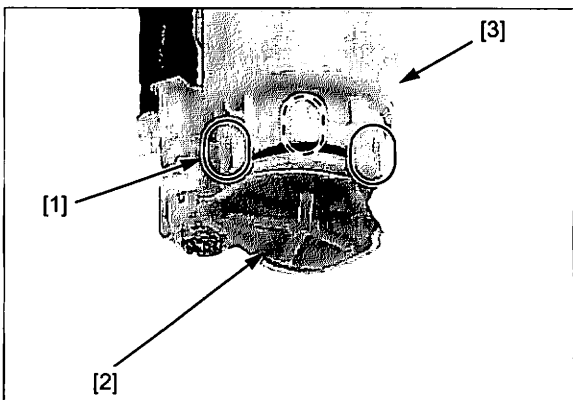


Release the hooks [1] and remove the pump retainer [2].

- When installing the retainer, align the tabs [3] of the retainer and pump body.



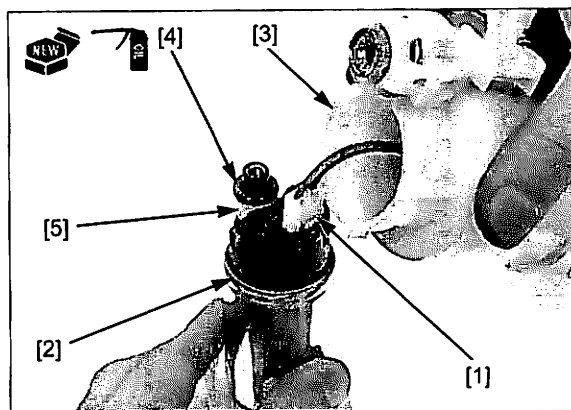
Release the hooks [1] and pull out the fuel filter assembly [2] from the fuel pump body [3].



Disconnect the connector [1] and remove the fuel filter assembly [2] from the fuel pump body [3].

Remove the O-ring [4] and spacer [5].

- Apply small amount of engine oil to a new O-ring.

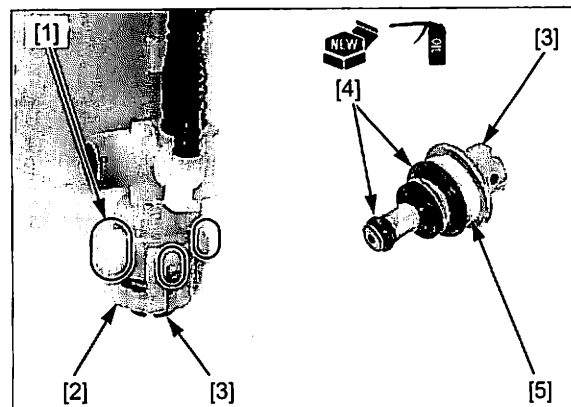


Release the hooks [1] and remove the retainer [2].

Remove the pressure regulator [3] from the pump body. Remove the O-rings [4] and spacer [5] from the pressure regulator.

Install the removed parts in the reverse order of removal.

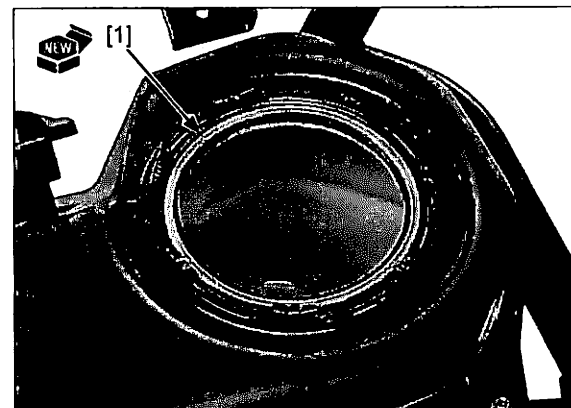
- Apply small amount of engine oil to new O-rings.



## INSTALLATION

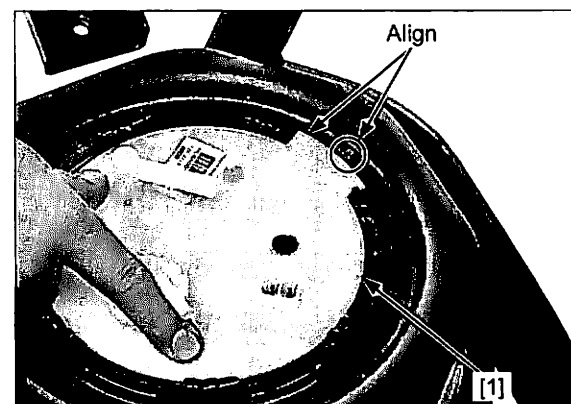
- Clean the O-ring seating area of the fuel tank.
- Always replace the O-ring with a new one.

Install a new O-ring [1] onto the fuel tank.



*Be careful not to damage or pinch the O-ring.*

Install the fuel pump assembly [1] into the fuel tank by aligning its tab with the index mark on the fuel tank.



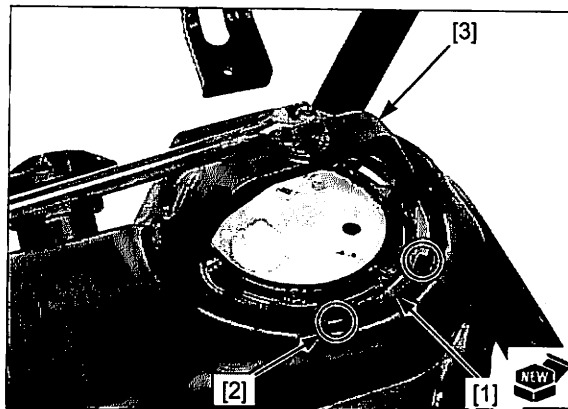
## FUEL SYSTEM

Install a new locking ring [1] and tighten it by rotating it clockwise using the special tool until the grooves [2] of the locking ring align with the marks of the fuel tank.

### TOOL:

Fuel pump lock ring wrench [3] SPX OTC #6599 commercially available in the U.S.A.

Install the removed parts in the reverse order of removal.



## SELF MANAGEMENT RELAY

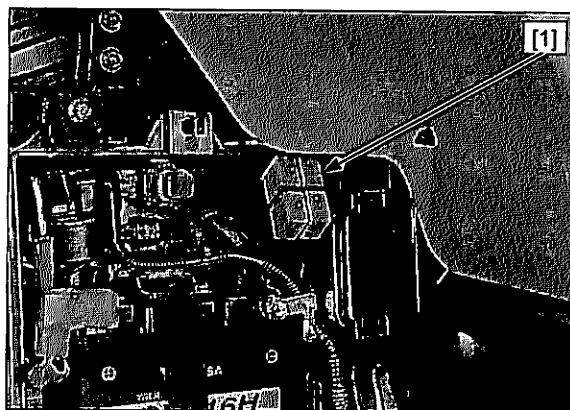
### REMOVAL/INSTALLATION

Remove the battery cover (page 20-5).

Turn the ignition switch to OFF (O).

Remove the self management relay [1] from the connector.

Installation is in the reverse order of removal.



### RELAY INSPECTION

Remove the self management relay (page 7-14).

Check for continuity between the No. 1 and No. 2 terminals.

Connect a fully charged 12-V battery (+) terminal to the relay No. 4 terminal and the (-) terminal to the No. 3 terminal.

There should be continuity when the battery is connected, and no continuity when the battery is disconnected.

