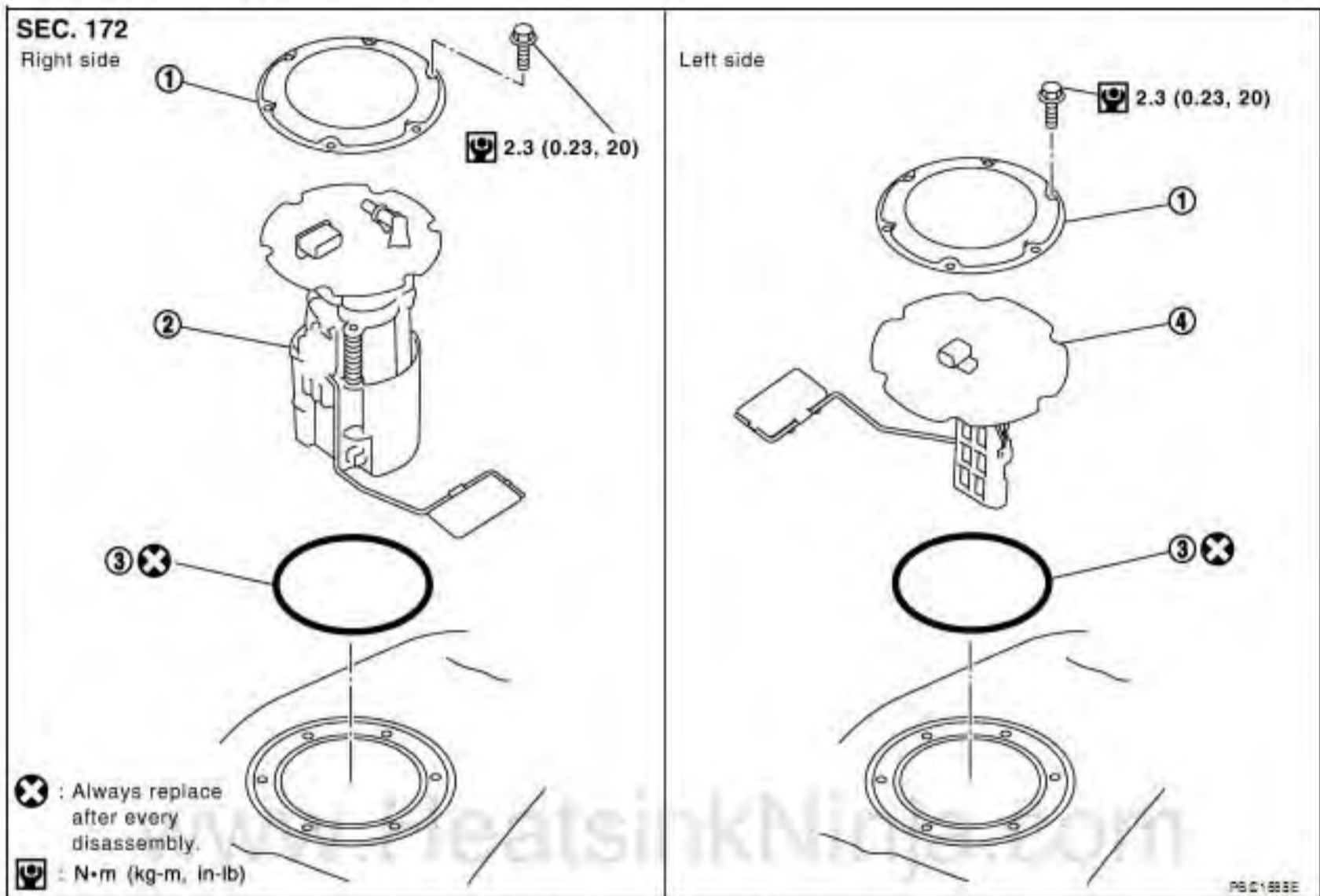


### Removal and Installation

ABS00A34



1. Retainer
2. Main fuel level sensor unit, fuel filter - and fuel pump assembly
3. O-ring
4. Sub fuel level sensor unit

### REMOVAL

#### WARNING:

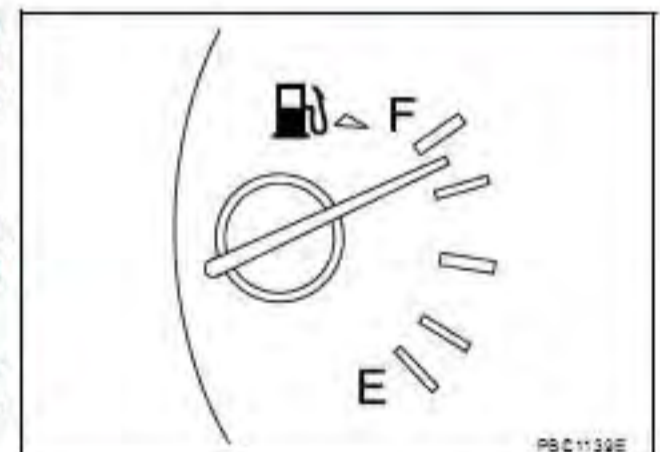
Be sure to read "General Precautions" when working on the fuel system. Refer to [FL-4. "General Precautions"](#).

1. Check fuel level on fuel gauge. If fuel gauge indicates more than the level as shown in the figure (full or almost full), drain fuel from fuel tank until gauge indicates level as shown in the figure or below.

#### NOTE:

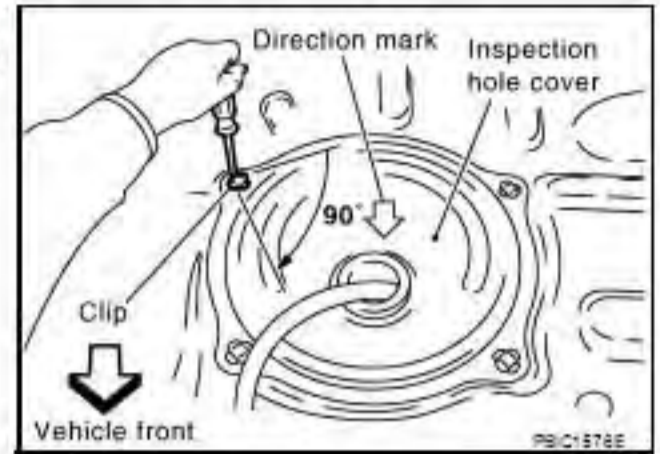
Because fuel will be spilled when removing main and sub fuel level sensor units for the top of the fuel is above the main and sub fuel level sensor units installation surface.

- As a guide, fuel level becomes the position as shown in the figure or below when approximately 20 ℓ (5-1/4 US gal, 4-3/8 Imp gal) of fuel are drained from fuel tank.
  - In a case that fuel pump does not operate, perform the following procedure.
    - a. Insert hose of less than 25 mm (0.98 in) in diameter into fuel filler tube through fuel filler opening to draw fuel from fuel filler tube.
    - b. Disconnect fuel filler hose from fuel filler tube. Refer to [FL-11. "FUEL TANK"](#).
    - c. Insert fuel tube into fuel tank through fuel filler hose to draw fuel from fuel tank.
2. Release the fuel pressure from the fuel lines. Refer to [EC-44. "FUEL PRESSURE RELEASE"](#).
  3. Open fuel filler lid.

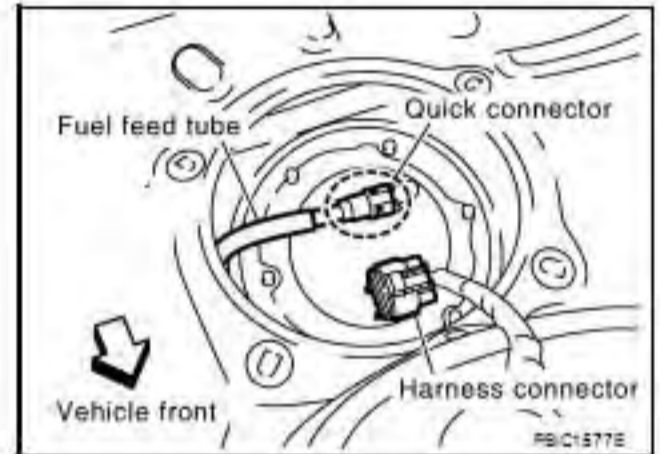


## FUEL LEVEL SENSOR UNIT, FUEL FILTER AND FUEL PUMP ASSEMBLY

4. Open filler cap and release the pressure inside fuel tank.
5. Remove rear seat cushion. Refer to [SE-60. "REAR SEAT"](#).
6. Peel off floor carpet, then remove inspection hole cover for main and sub fuel level sensor units by turning clips clockwise by 90 degrees.

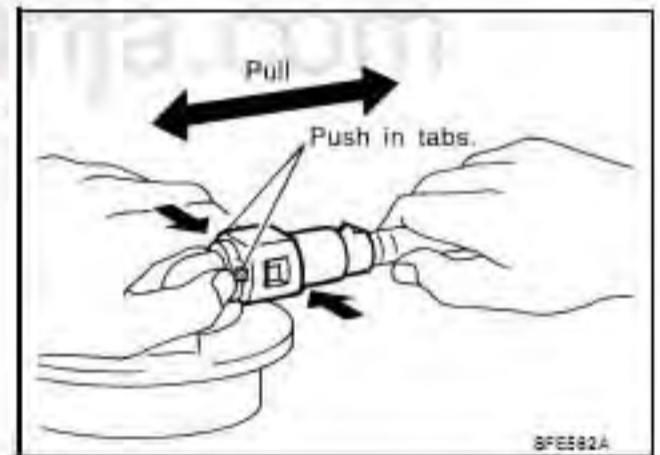


7. Disconnect harness connector and fuel feed tube.



Disconnect quick connector as follows:

- Hold the sides of connector, push in tabs and pull out tube.
- If quick connector sticks to tube of main fuel level sensor unit, push and pull quick connector several times until they start to move. Then disconnect them by pulling.



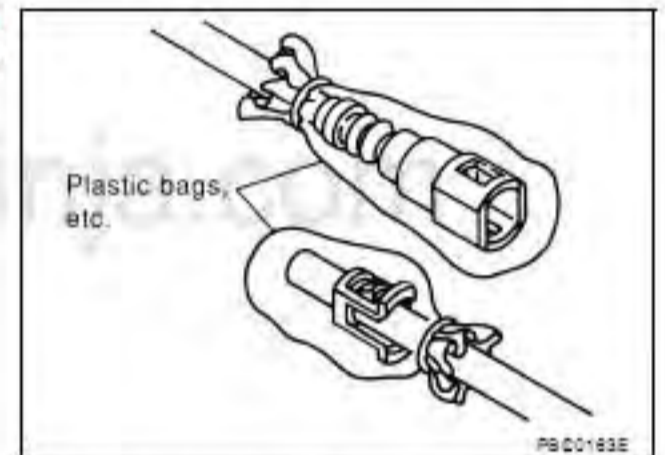
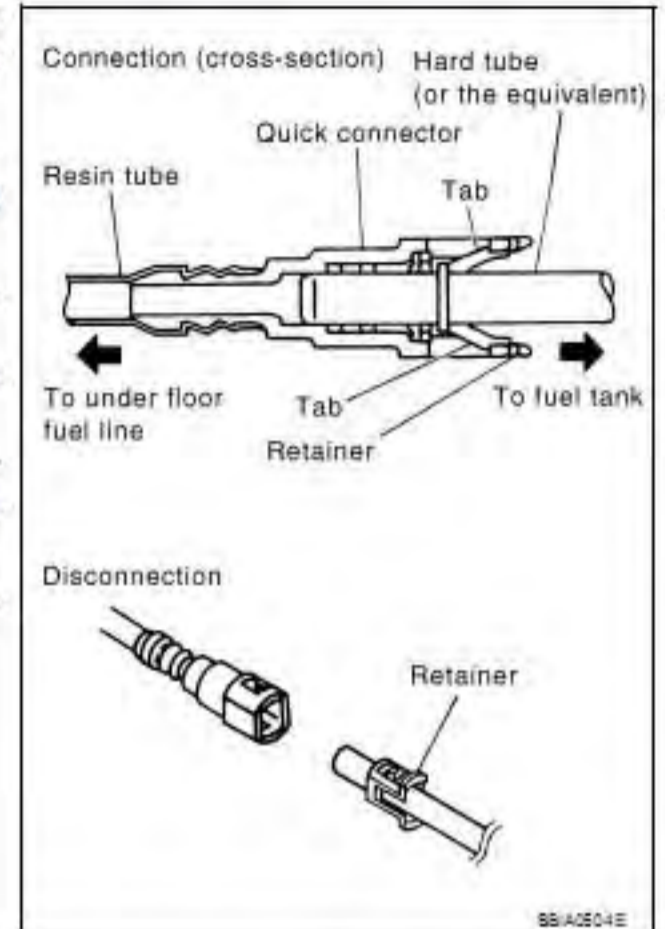
# FUEL LEVEL SENSOR UNIT, FUEL FILTER AND FUEL PUMP ASSEMBLY

## CAUTION:

- Quick connector can be disconnected when the tabs are completely depressed. Do not twist it more than necessary.
- Do not use any tools to disconnected quick connector.
- Keep resin tube away from heat. Be especially careful when welding near the resin tube.
- Prevent acid liquid such as battery electrolyte, etc. from getting on resin tube.
- Do not bend or twist resin tube during installation and disconnection.
- Do not remove the remaining retainer on hard tube (or the equivalent) except when resin tube or retainer is replaced.
- When resin tube or hard tube (or the equivalent) is replaced, also replace retainer with new one.

Retainer color: White

- To keep the connecting portion clean and to avoid damage and foreign materials, cover them completely with plastic bags or something similar.



8. Remove main fuel level sensor unit, fuel filter and fuel pump assembly, and sub fuel level sensor unit as follows:

## CAUTION:

- Do not bend float arm during removal.
- Avoid impacts such as falling when handling components.

- a. Removal of main fuel level sensor unit, fuel filter and fuel pump assembly:

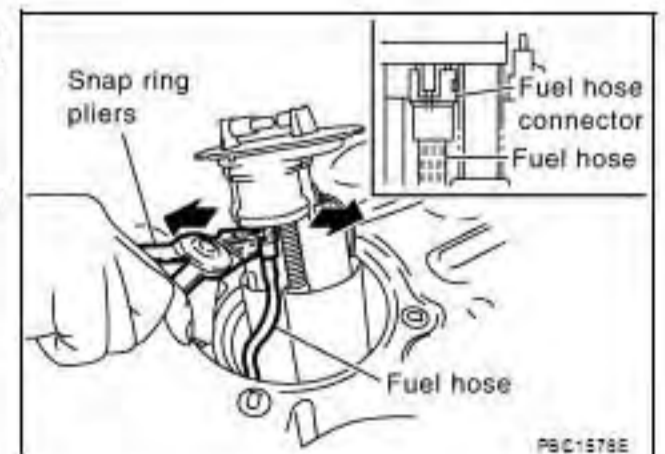
- i. Remove retainer.
- ii. Raise main fuel level sensor unit, fuel filter and fuel pump assembly, and using snap ring pliers, remove fuel hose connector.

## CAUTION:

Be careful not to damage fuel hose connector by expanding them excessively.

- b. Removal of sub fuel level sensor unit:

- i. Remove retainer.
- ii. Raise and release sub fuel level sensor unit to remove.



## INSTALLATION

Note the following, and install in the reverse order of removal.