



RECALL CAMPAIGN BULLETIN

Reference:

NTB15-040a

Date:

July 21, 2015

VOLUNTARY SAFETY RECALL CAMPAIGN 2014 ROGUE FUEL PUMP

This bulletin has been amended on page 10 to emphasize fuel pump fuel tube routing.
Please discard previous versions of this bulletin.

CAMPAIGN ID #: PC368, PC369, and PC370

NHTSA #: 15V-197

APPLIED VEHICLE: 2014 Rogue (T32)

Does not apply to 2014 Rogue Select (S35 series).

Check Service COMM to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting a Voluntary Safety Recall Campaign on certain specific Model Year 2014 Nissan Rogue vehicles to replace the fuel pump assembly. This service will be performed at no charge to owners for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification numbers PC368, PC369, and PC370 to this campaign.

Use the VIN and Service COMM to determine the correct campaign identification number for a given vehicle. The correct number must appear on all communications and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service COMM for the campaign status on each vehicle falling within the range of this voluntary safety recall campaign which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. **NOTE:** If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

Required Special Tool – J-45747
(Fuel Tank Lock Ring Wrench)

- Each dealer should have this special tool as part of their essential tool inventory (see Figure A).
- Additional tools can be ordered from TECH•MATE at:
 - 1-800-662-2001
 - OR
 - nissantechmate.com



Figure A

SERVICE PROCEDURE

WARNING: Before starting this procedure, make sure the fuel level in the fuel tank is no more than ½ full.

IMPORTANT: Follow all cautions, warnings, and notes in the ESM when working on or near a fuel system, such as a fuel tank.

CAUTION:

- Cover the surrounding areas of the inspection hole covers with suitable protection to avoid gasoline spillage and damage to interior components.
- When removing components such as hoses, tubes/lines, etc., cap or plug openings to prevent fluid from spilling.

Replacement of Fuel Pump Assembly (fuel filter and fuel pump assembly)

1. Record all audio presets.

Presets	1	2	3	4	5	6
AM						
FM 1						
FM 2						
SAT 1						
SAT 2/3						
Bass	Treble	Balance	Fade	Speed Sen.	Vol.	

2. Release fuel pressure from the fuel lines.
 - Refer to the Electronic Service Manual (ESM) section, **EC – Engine Control**, for fuel pressure release information.
3. Open the fuel filler lid (if not already open from step 2).
4. Open the fuel filler cap and release the pressure inside the fuel tank (if not already open from step 2).
- 4a. Disconnect the negative battery terminal.

NOTE: Refer to ESM section, **PG – Power Supply, Ground & Circuit Elements** for further information.

5. Remove the RH and LH second row seats.
 - Refer to the ESM, section **SE - Seat**, for removal information.
6. Fold the carpet out of the way, and then remove both inspection hole covers (see Figure 1 and 1a).
 - Unfasten the clips (four per cover) by turning 90° clockwise with a suitable tool.
 - Figure 1 shown with second row seating removed.
7. Remove the lock ring from the sub fuel level sensor assembly with Lock Ring Wrench # J-45747 (see Figure 2).

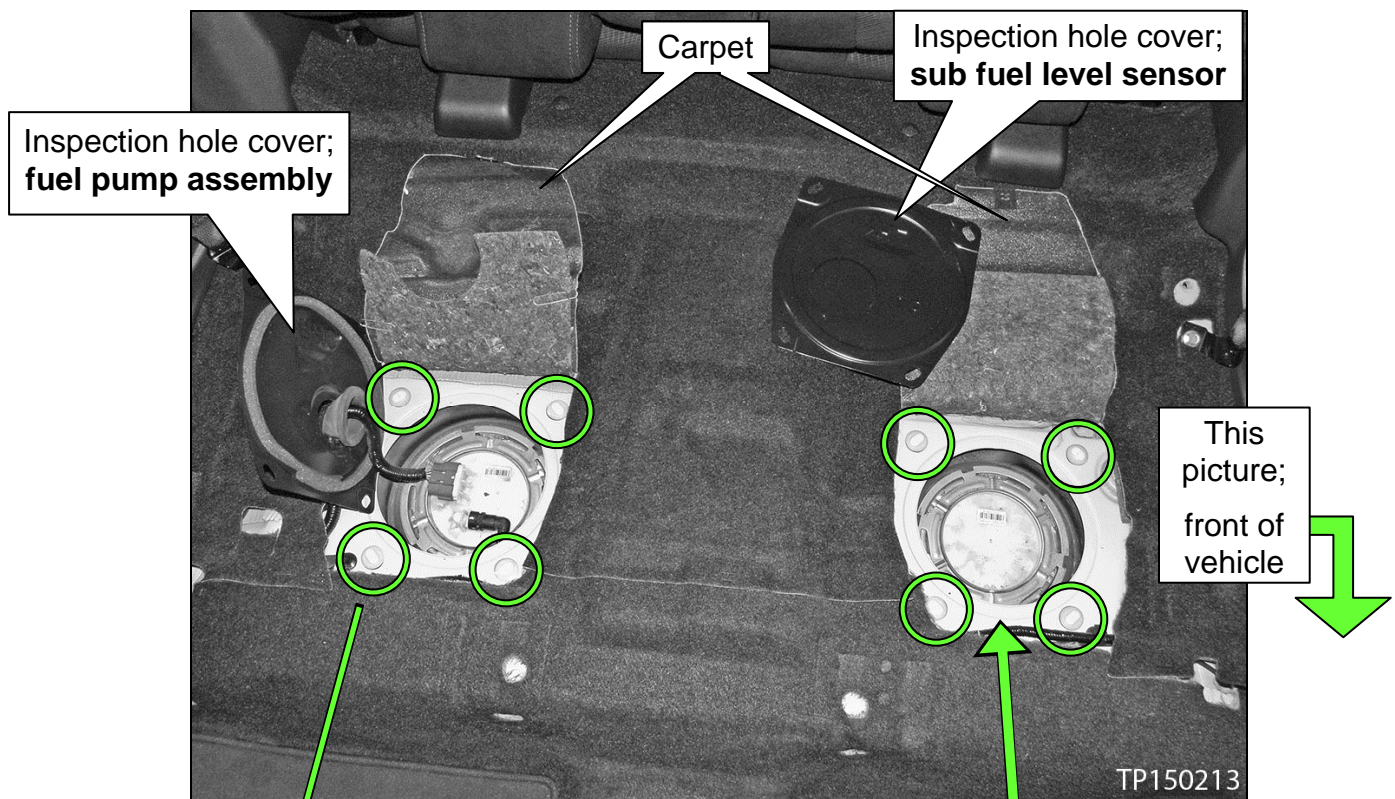


Figure 1

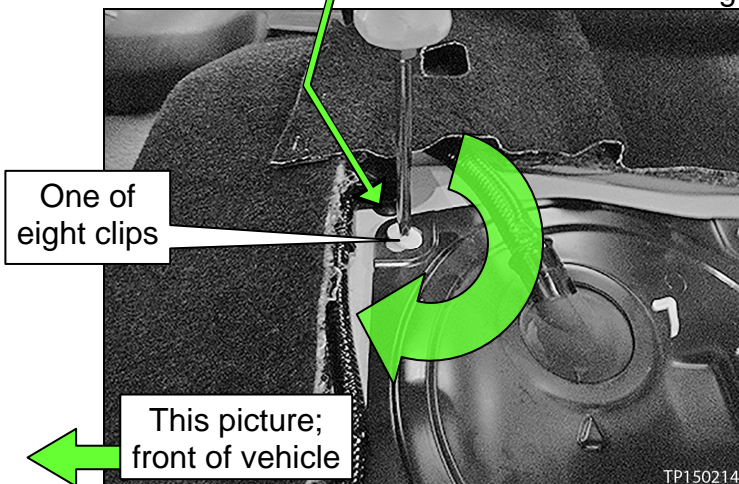


Figure 1a

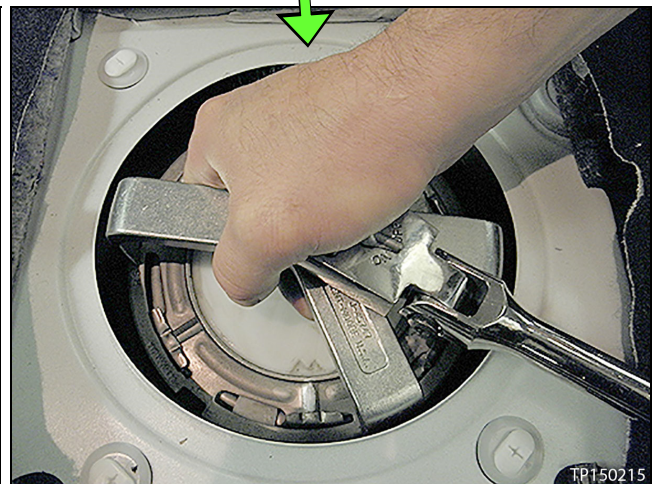


Figure 2

IMPORTANT: Prior to sub fuel level sensor removal:

- Observe the alignment of the sub fuel level sensor tabs (see Figure 3).
- This alignment is necessary for proper installation.

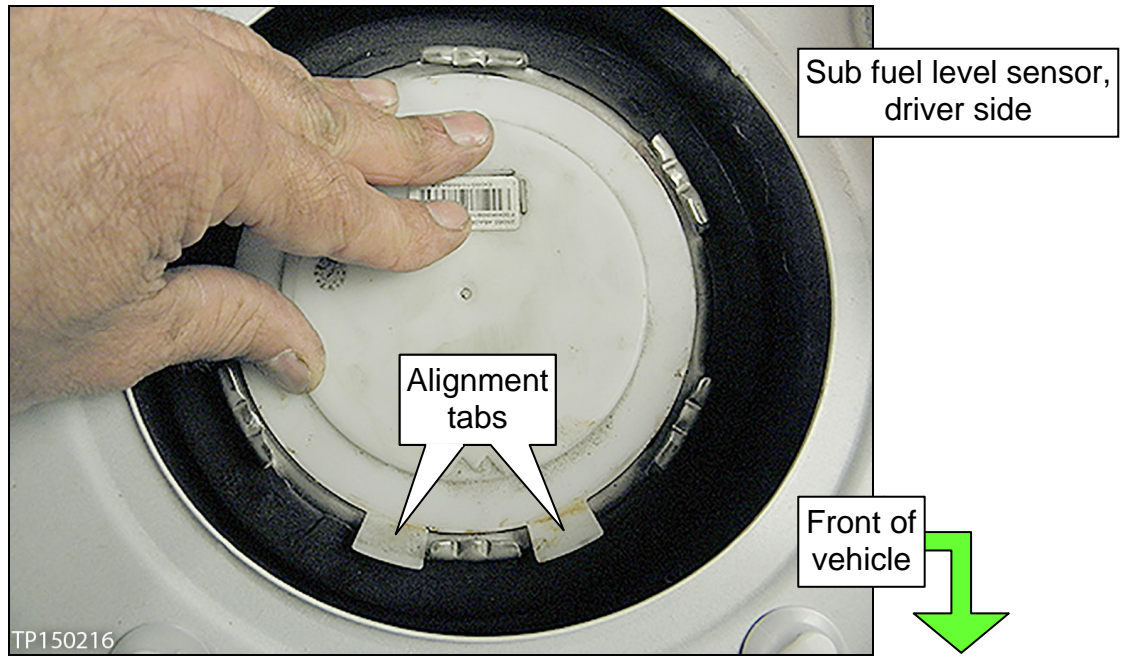


Figure 3

8. Lift the sub fuel level sensor out of the fuel tank (see Figure 4).

CAUTION:

- Do not bend the float arm during removal.
- Do not spill any fuel inside the vehicle.
- Be careful not to damage the components when handling.

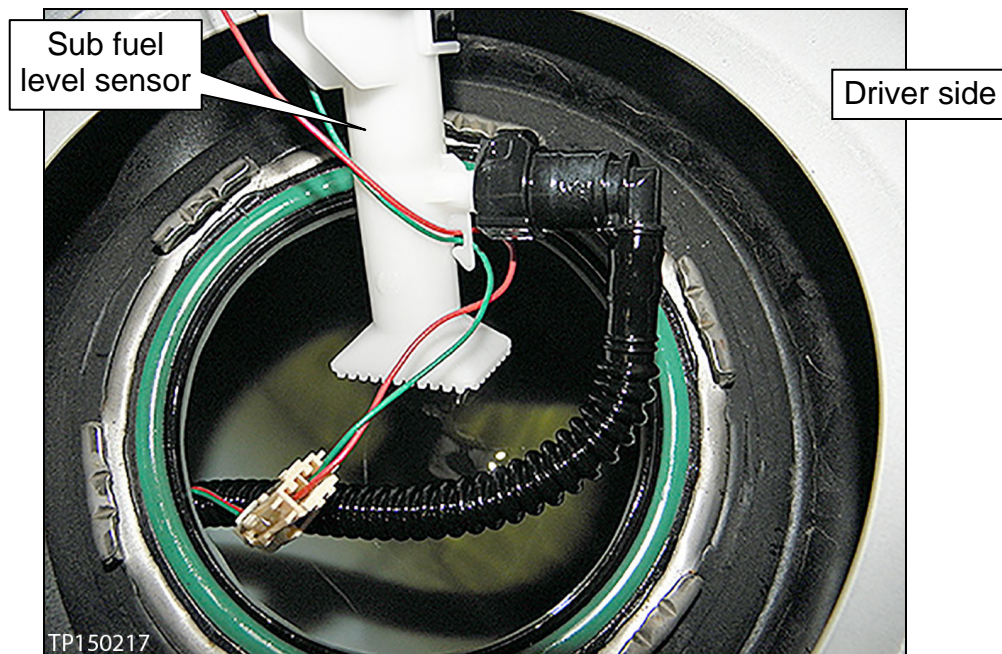


Figure 4

9. Disconnect the harness connector (see Figure 5).

10. Disconnect the fuel tube (internal fuel line). See Figure 5.

- Pinch in the one tab on the quick connector, and then pull it off the fitting.
- If the quick connector sticks to the fitting, push and pull on the quick connector until it starts to move.
- Keep the fuel tube from falling into the fuel tank.

CAUTION:

- Do not use any tools to disconnect the quick connector.
- Do not bend or twist the fuel tube or its connection when connecting or disconnecting.

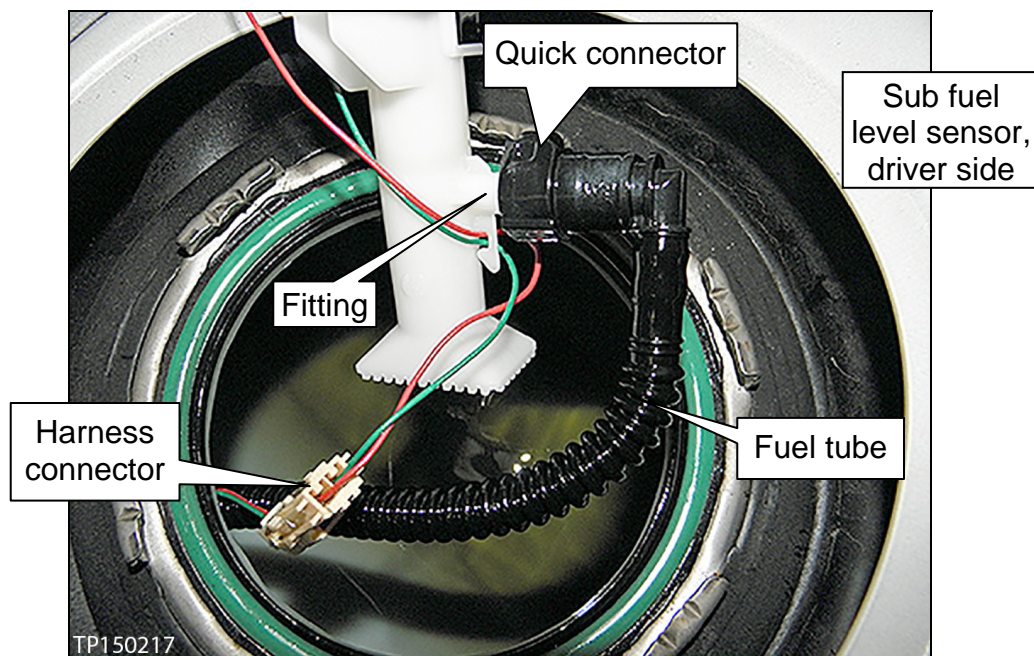


Figure 5

11. Gently remove the sub fuel level sensor from the fuel tank.

CAUTION:

- Do not bend the float arm during removal.
- Do not spill any fuel inside the vehicle.
- Be careful not to damage the components when handling.

12. Securely attach a 40 inch (102 cm) length of “mechanic’s wire” to the end of the fuel tube (see Figure 6).

NOTE: The mechanic’s wire will be drawn through the fuel tank’s “saddle” area when the fuel pump assembly and fuel tube are removed. It will then be used to pull the new fuel tube through the “saddle” area.

- The saddle is the area inside the fuel tank between both fuel tank openings.

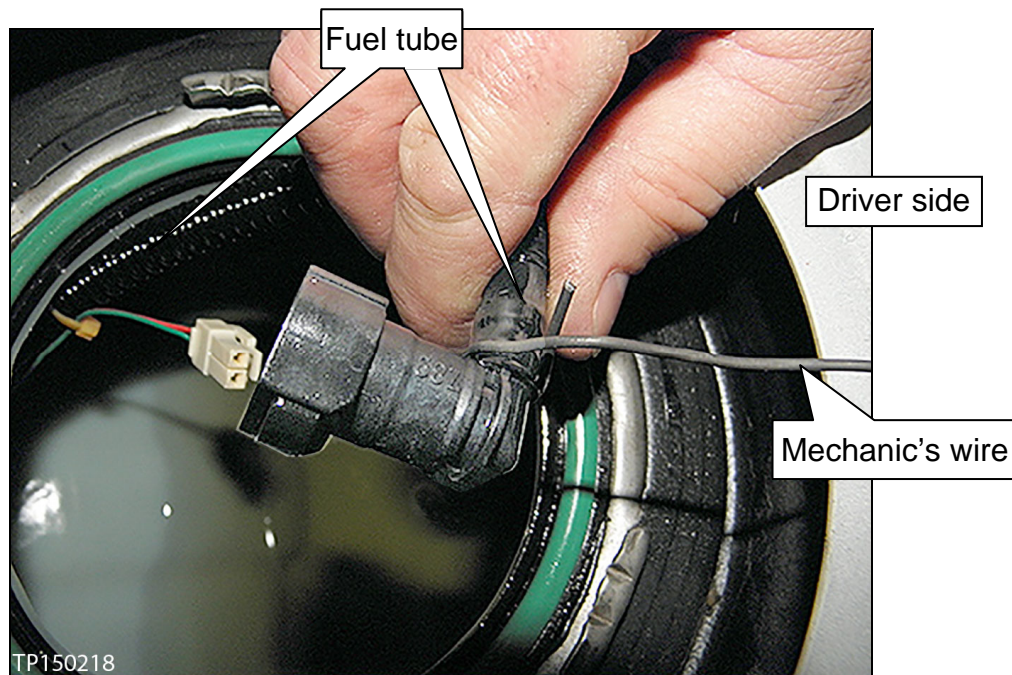


Figure 6

13. Disconnect the harness connector from the fuel pump assembly (see Figure 7).

14. Disconnect the quick connector by pressing in both tabs and pulling it off the fitting (see Figure 7).

CAUTION:

- Do not use any tools to disconnect the quick connector.
- Do not bend or twist fuel lines or their connections when connecting or disconnecting.
- To keep the quick connector clean and to avoid damage and contamination from foreign materials, cover the quick connector with suitable wrapping material.

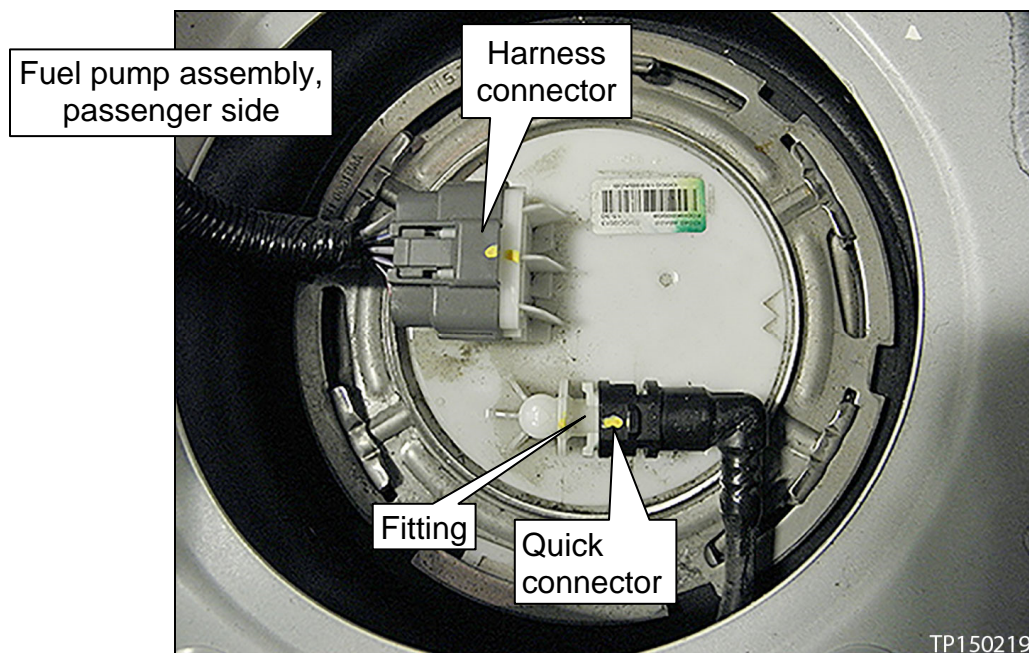


Figure 7

15. Remove the lock ring from the fuel pump assembly with Lock Ring Wrench # J-45747 (see Figure 8).

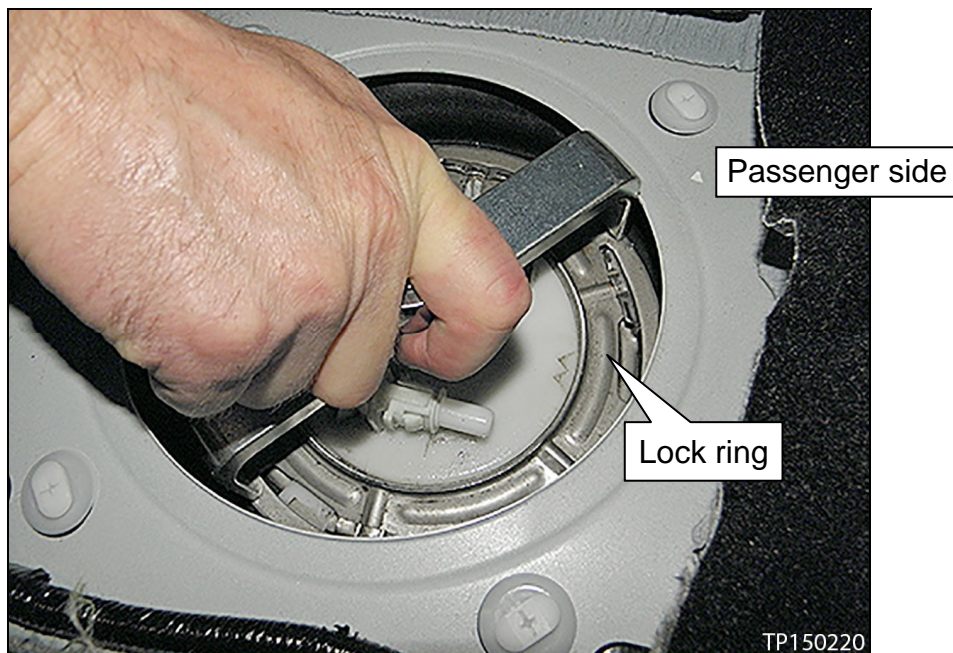


Figure 8

IMPORTANT: Prior to fuel pump assembly removal:

- Observe the alignment of the fuel pump assembly tabs (see Figure 9).
- This alignment is necessary for proper installation.

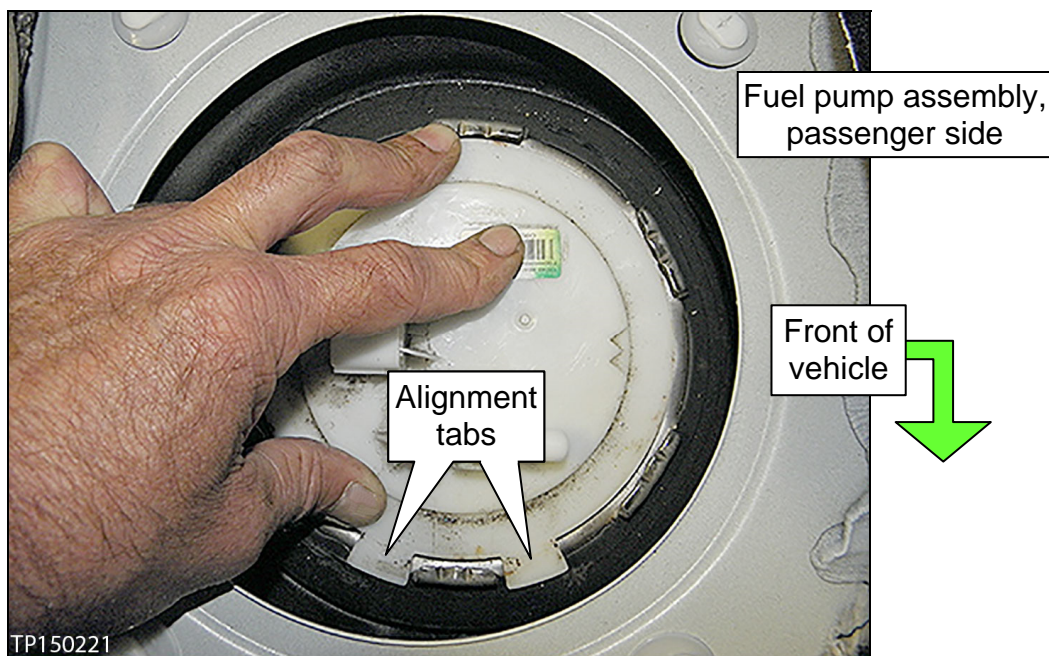


Figure 9

16. Gently lift the fuel pump assembly half way out of the fuel tank.

17. Pull the fuel tube with mechanic's wire that was attached to the sub fuel level sensor through the saddle area (Figure 10).

- **Only pull on the fuel tube that has the harness "zip tied" to it.**

NOTE: Be sure to leave enough mechanic's wire extending out of both fuel tank openings.

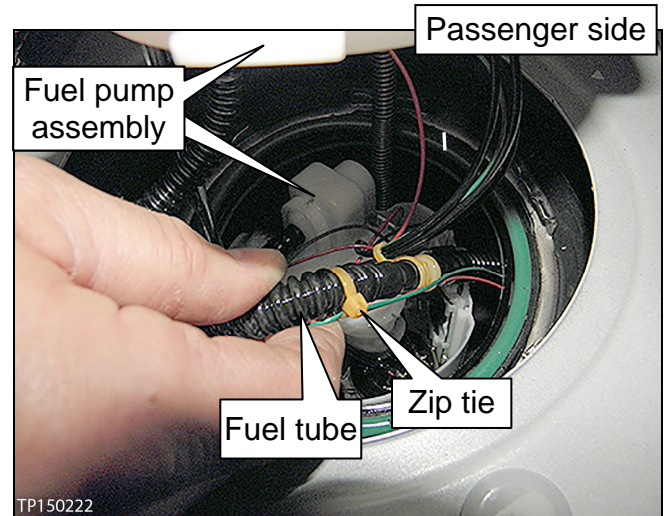


Figure 10

18. Gently remove the fuel pump assembly from the fuel tank.

CAUTION:

- Do not bend the float arm during removal.
- Do not spill any fuel inside the vehicle.
- Be careful not to damage the components when handling.
- Do not bend or twist the fuel tube.

19. Detach the mechanic's wire from the fuel tube.

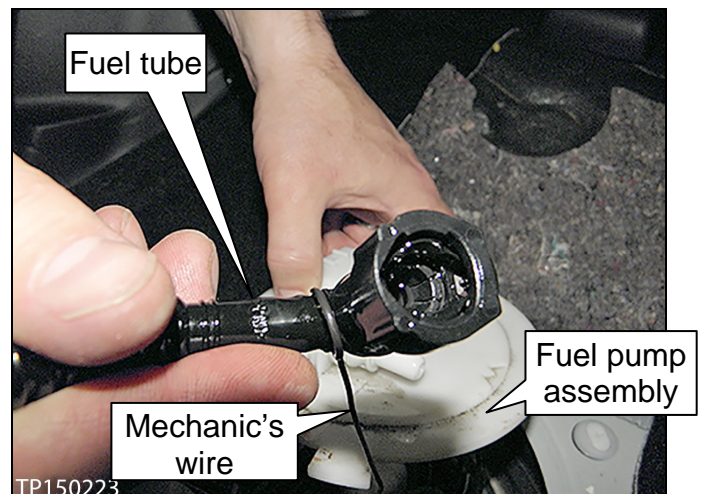


Figure 11

IMPORTANT:

- When the new fuel pump is removed from the box you may find the fuel tube routed as shown in Figure 12.

NOTE: The fuel tube is routed between and behind the fuel pump guides.

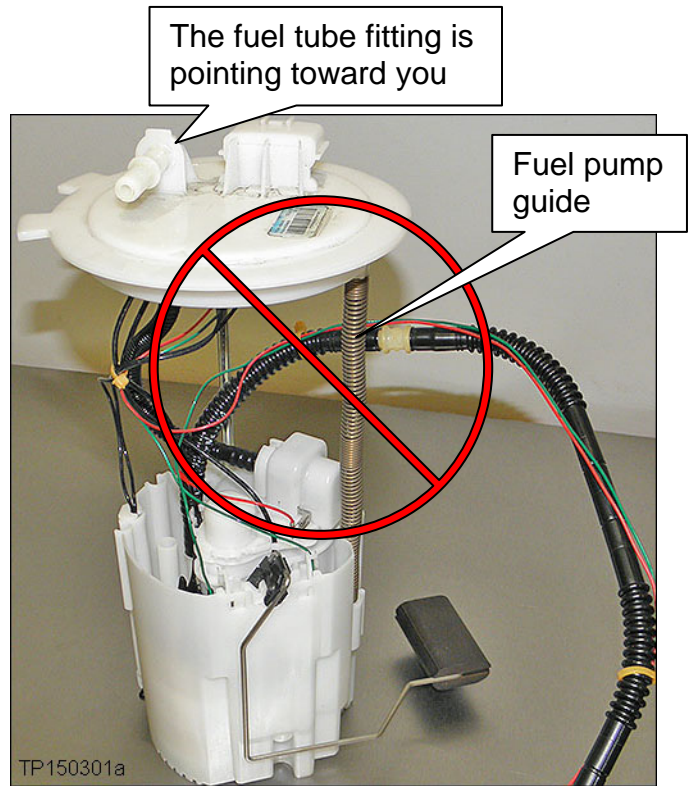


Figure 12

- Make sure the fuel tube is routed as shown in Figure 12a before installation.
- Make sure the fuel tube stays routed as shown during installation.

IMPORTANT:
The fuel tube **MUST** stay
routed as shown.

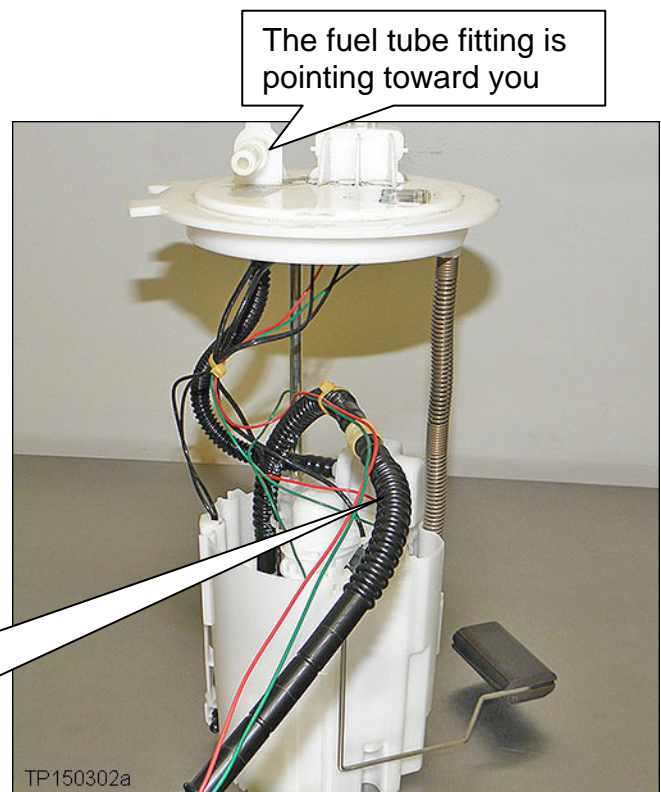


Figure 12a

20. Install two (2) new O-rings, one each for the fuel pump assembly and sub fuel level sensor openings in the fuel tank.

CAUTION: Do not reuse the old O-rings.

21. Attach the mechanic's wire to the fuel tube of the new fuel pump (see Figure 13).

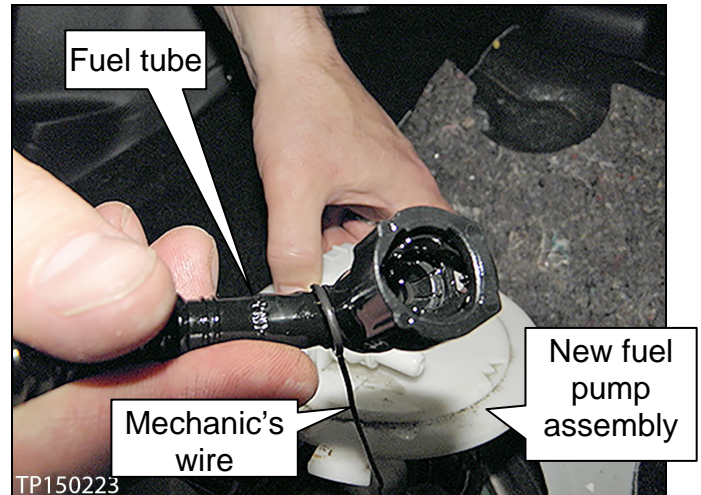


Figure 13

22. Install the fuel pump assembly half way into the passenger side fuel tank opening with the fuel tube positioned as shown in Figure 12a on the previous page.

CAUTION: Do not bend or twist the fuel tube.

23. Route the fuel tube by carefully pulling the other end of the mechanic's wire located at the driver side fuel tank opening (see Figure 13a).

CAUTION:

- Do not bend the float arm during installation.
- Do not bend or twist the fuel tube.

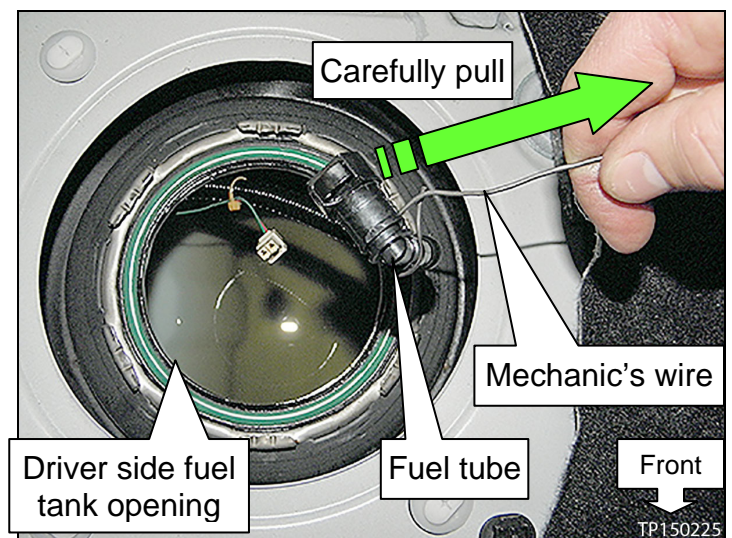


Figure 13a

24. With the fuel tube pulled through, carefully lower the fuel pump assembly completely into the fuel tank.
25. Set the alignment tabs in their proper positions (see Figure 14).

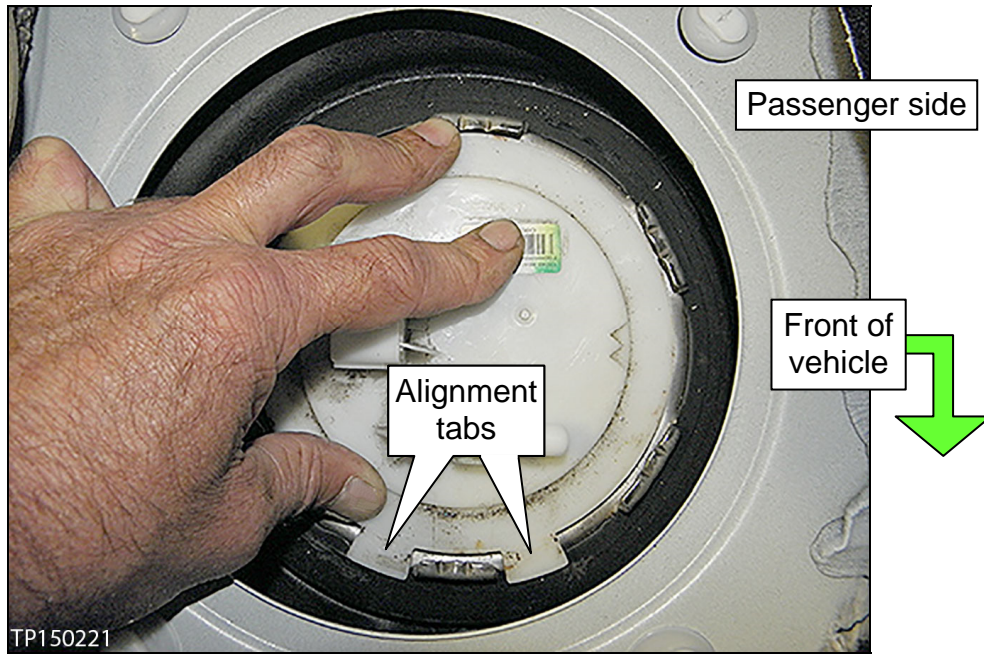


Figure 14

26. Install the fuel pump assembly lock ring (Figure 15).

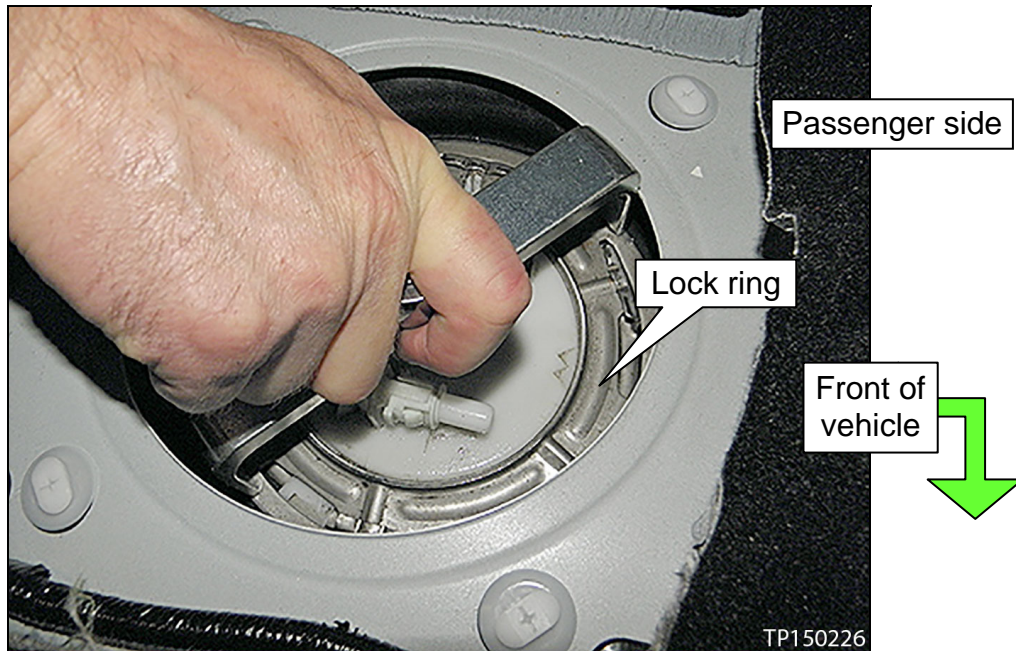


Figure 15

27. Reconnect the quick connector and harness connector to the fuel pump assembly (Figure 16).

- Check the connections for damage or any foreign materials.
- Align the quick connector and harness connector, and insert each until a “click” sound is heard.
- Make sure the quick connector and harness connector are securely connected by moderately tugging on them.

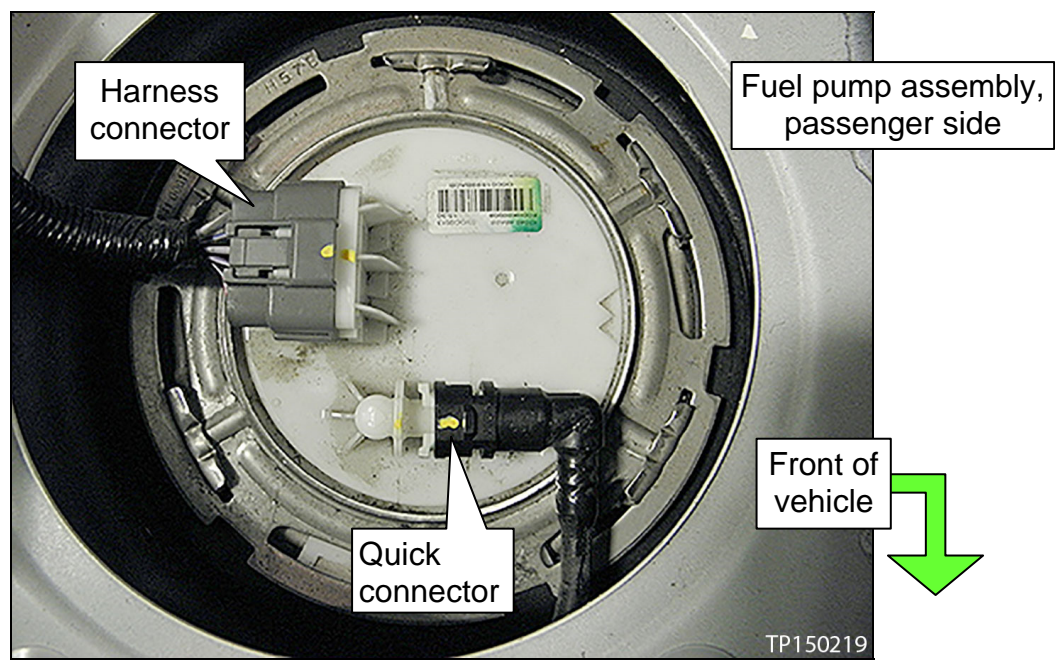


Figure 16

28. Connect the quick connector and harness connector to the sub fuel level sensor (Figure 17).

- Check the connections for damage or any foreign materials.
- Align the quick connector with the fitting, and then insert the quick connector straight into the fitting until a “click” sound is heard.
- Make sure the connections are secure by moderately tugging on them.

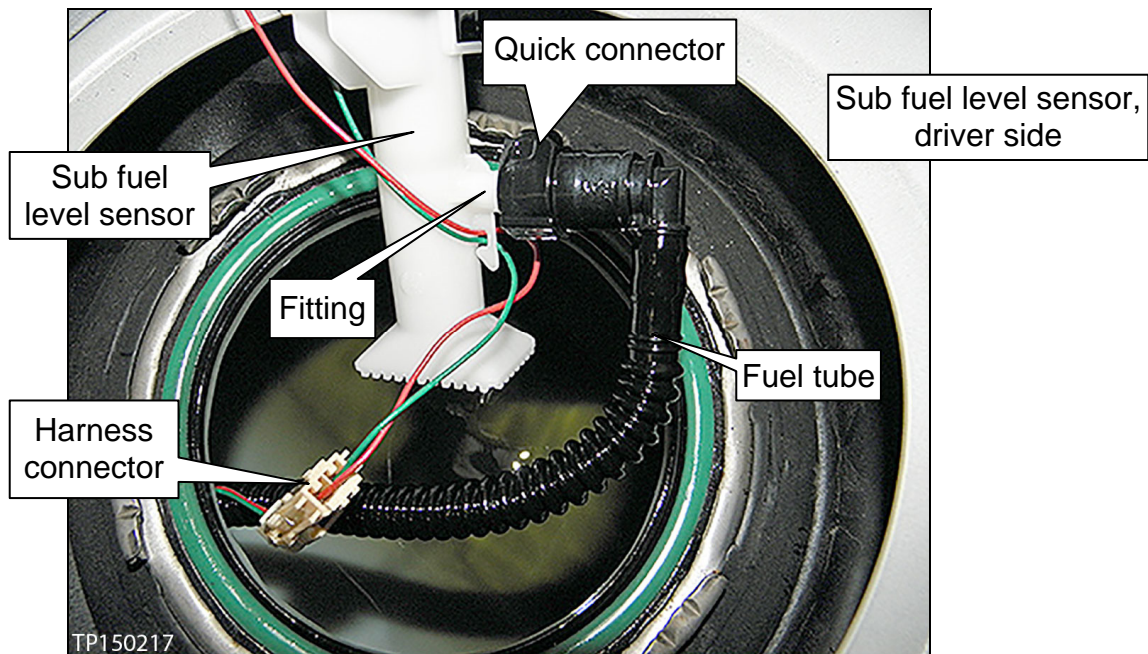


Figure 17

29. Set the alignment tabs in their proper positions while installing the sub fuel level sensor (see Figure 18).

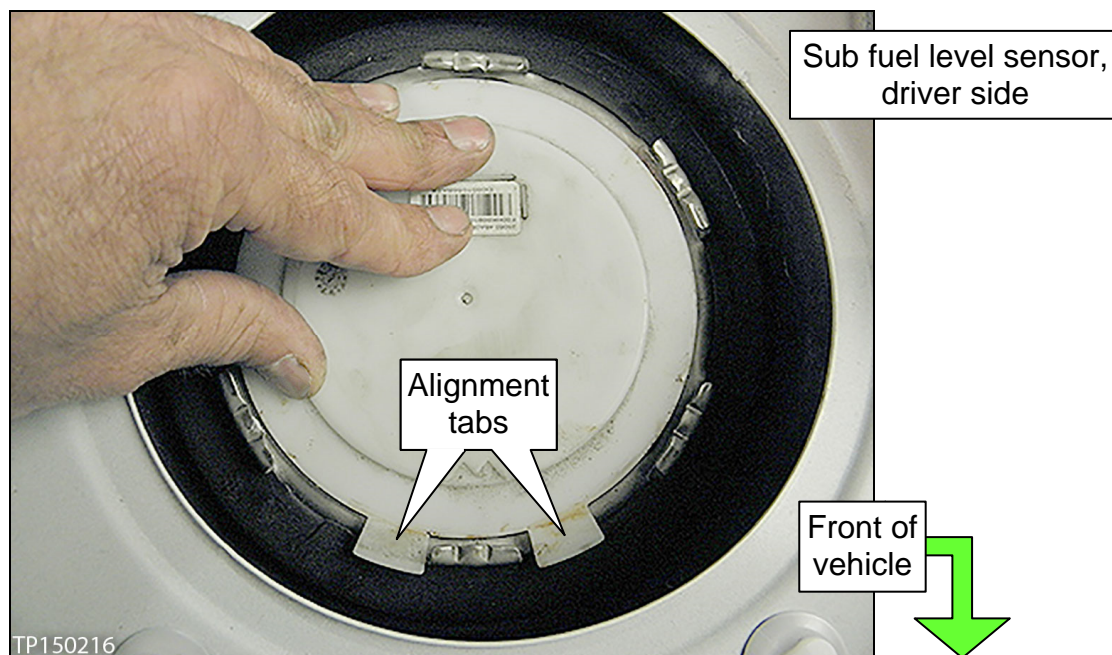


Figure 18

30. Install the fuel level sensor lock ring (Figure 19).

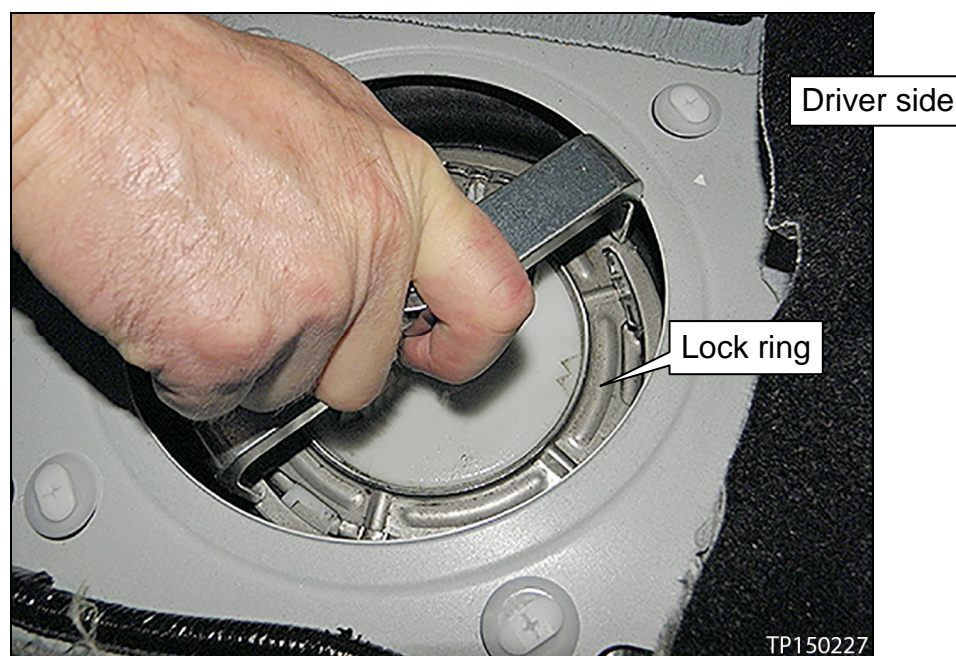


Figure 19

31. Connect the negative battery cable.

32. Turn ON the ignition but do not start the engine.

- Check for fuel leaks.

33. Install the inspection hole covers (Figure 1) with the front mark (arrow) facing front.

- Lock the clips by turning counterclockwise 90°.

34. Reassemble the remaining components in reverse order of disassembly.

35. Reset the following as needed (as it applies):

- Audio presets (refer to the Owner's Manual, section **Monitor, climate, audio, phone and voice recognition systems**)
- Clock (refer to the Owner's Manual, section **Instruments and controls**)
- Power windows (refer to the ESM, section **PWC-Power Window Control System**)

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
PUMP COMPL-FUEL (includes fuel level sensor and fuel tank temperature sensor)	17040-4BA0C	1
PACKING-FUEL GAUGE (O-ring)	17342-1HJ0A	2

CLAIMS INFORMATION

Submit a Campaign (CM) line claim using the following claims coding:

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
PC368	Replace fuel pump assembly	PC3680	1.2 hrs.
PC369	Replace fuel pump assembly	PC3690	1.2 hrs.
PC370	Replace fuel pump assembly	PC3700	1.2 hrs.