

October 11, 2024

Version 2

Safety Recall: 2018–20 HR-V AWD Fuel Pump Motor**Supersedes 24-015, dated January 17, 2024, to revise the information.****AFFECTED VEHICLES**

Year	Model	Trim Level	VIN Range
2018–20	HR-V AWD	ALL	Check the iN VIN status for eligibility.

REVISION SUMMARY

Information on the first two pages of this bulletin has been extensively revised. American Honda recommends reviewing this in its entirety.

BACKGROUND

On December 18, 2023, American Honda notified NHTSA of its intention to initiate a STOP SALE and safety recall for a certain number of 2018–20 HR-V AWD units in order to replace the fuel pump motor manufactured with defective impellers.

Due to swelling of the fuel pump motor impeller, the fuel pump may seize and stop working. A defective impeller may cause the fuel pump to become inoperative, which could prevent an engine from functioning as intended. This limitation may cause a loss of motive power or a stall while being driven, increasing the risk of a crash or injury, creating a safety hazard.

If this bulletin appears during an iN VIN status inquiry, the vehicle is subject to a safety recall. Any affected vehicles in your dealer inventory are on STOP SALE until further notice. Refrain from calling Tech Line for updates.

CUSTOMER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign. Do an iN VIN status inquiry to make sure the vehicle is shown as eligible. Some vehicles affected by this campaign may be in your new or used vehicle inventory.

Failure to repair a vehicle subject to recall or campaign may subject your dealership to claims or lawsuit from the customer or anyone else harmed because of such failure. To see if a vehicle in inventory is affected by this safety recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Replace the fuel pump motor.

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

PARTS INFORMATION

Refer to the Parts Information Bulletin 24-0016, *Multi-Model Fuel Pump Motor Safety Recall Parts Availability*, for details regarding parts availability and ordering.

Part Name	Part Number	Quantity
Fuel Pump Motor Kit (AWD)	06170-T7L-305	1

For dealers experiencing a strong fuel smell from storing a fuel pump motor replaced under this service bulletin, the fuel pump motor may be disposed of immediately in accordance with local regulations. This only applies to the fuel pump motor replaced under this service bulletin. The published retention policy remains in effect for all other parts.

If you have any questions about this exception or other parts retention issues, contact the WPI Administrative Office at **937-642-2737**.

TOOL INFORMATION

Tool Name	Part Number	Quantity
Fuel Nut Wrench (Fuel Sender Wrench)	070AA-T0AA100 or 07AAA-T0AA100	1

WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
3101EH	Replace the fuel pump motor.	1.2 hr	6FE00	OGQ00	A24015A	17045-T7X-A01

Skill Level: Repair Technician

REPAIR PROCEDURES

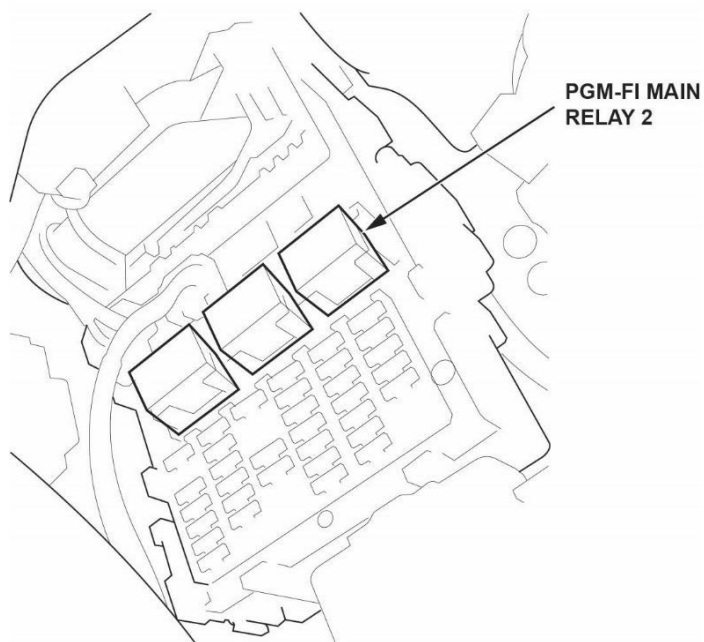
⚠ WARNING

Fuel pump motor removal exposes fuel, which can ignite, causing a fire or explosion.

This can cause serious injury or death.

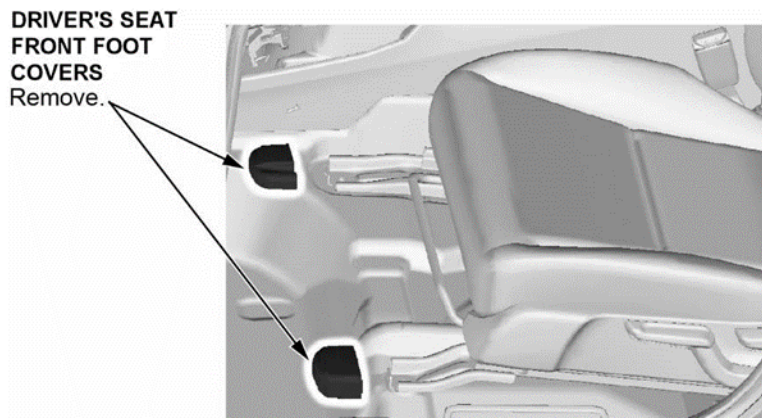
Always work in a well-ventilated area and keep sparks or open flames away.

1. Remove the fuel fill cap to relieve the pressure in the fuel tank.
2. Remove PGM-FI main relay 2 from the under-dash fuse/relay box.

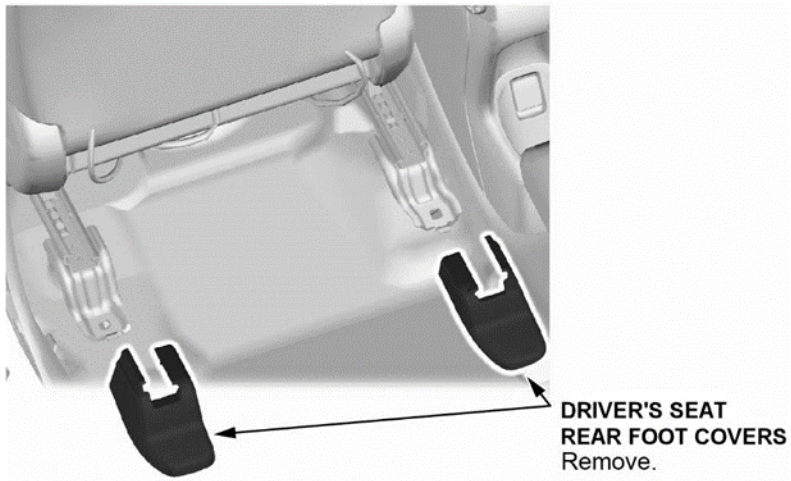


3. Start the engine and let it idle until it stalls.
4. Turn the ignition to OFF.
5. Install PGM-FI main relay 2.

6. Remove the driver's seat front foot covers (if equipped).

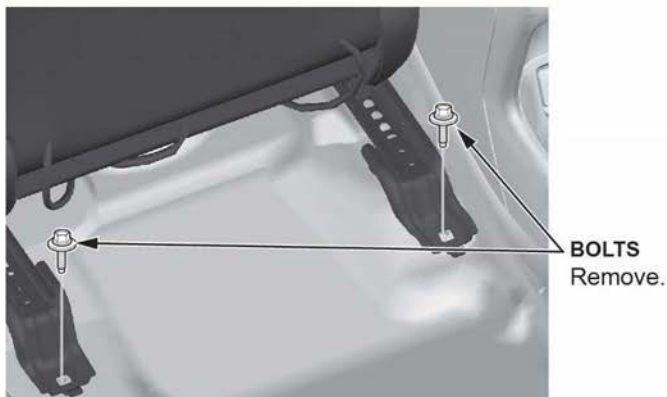


7. Remove the driver's seat rear foot covers (if equipped).

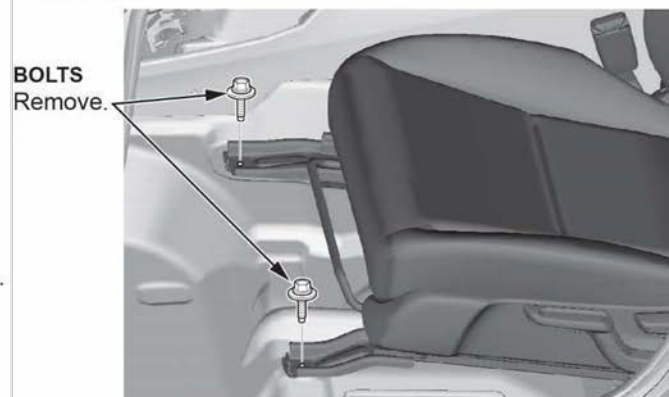


8. Remove the driver's seat mounting bolts, then remove the seat.

REAR SIDE



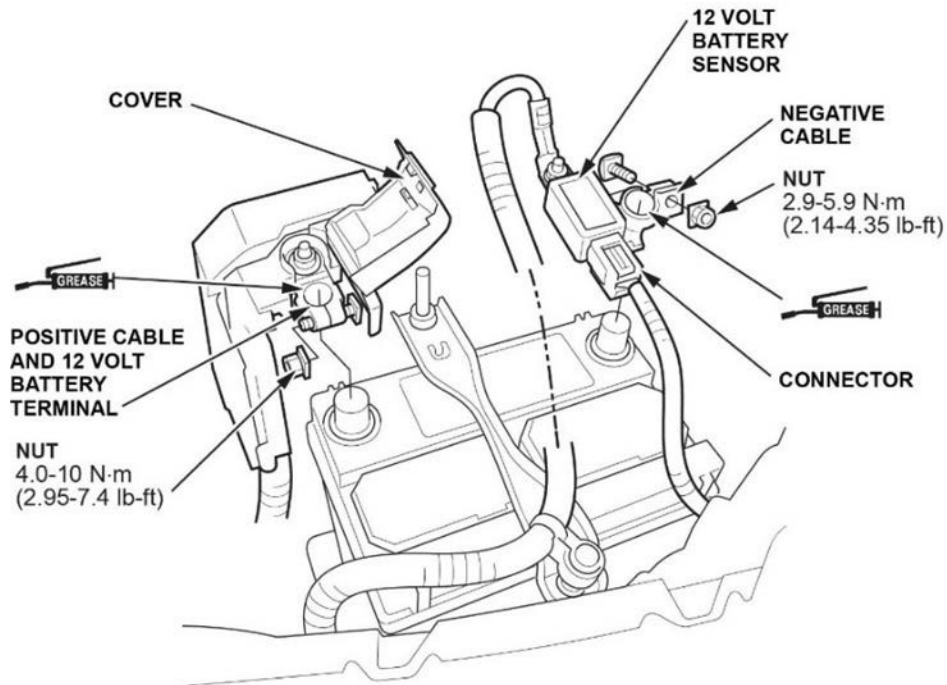
FRONT SIDE



9. Disconnect both 12-volt battery terminals.

NOTE:

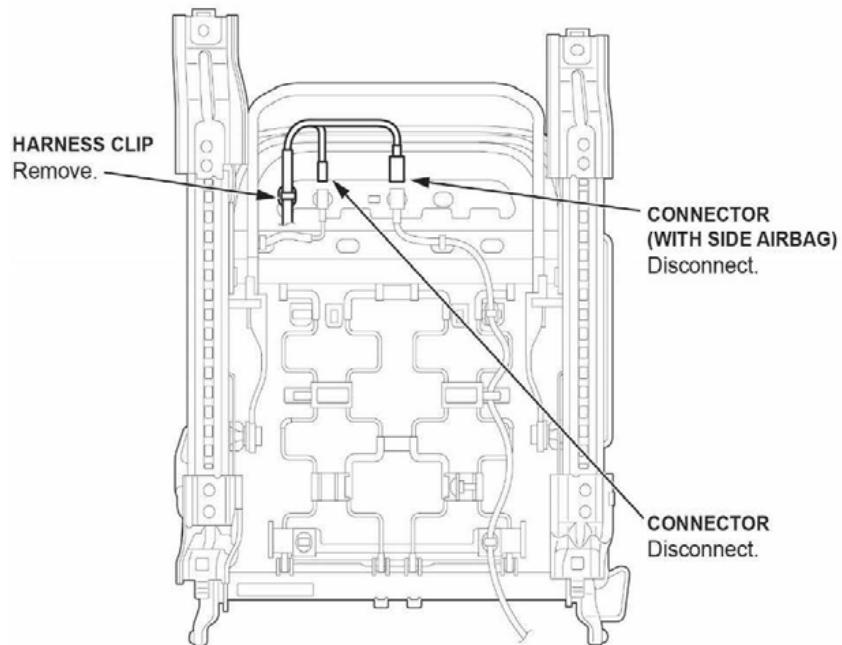
- Always disconnect the negative terminal first.
- To protect the terminal connector from damage, do not hold it when removing the terminal.
- Do not disconnect the 12-volt battery sensor from the cable.



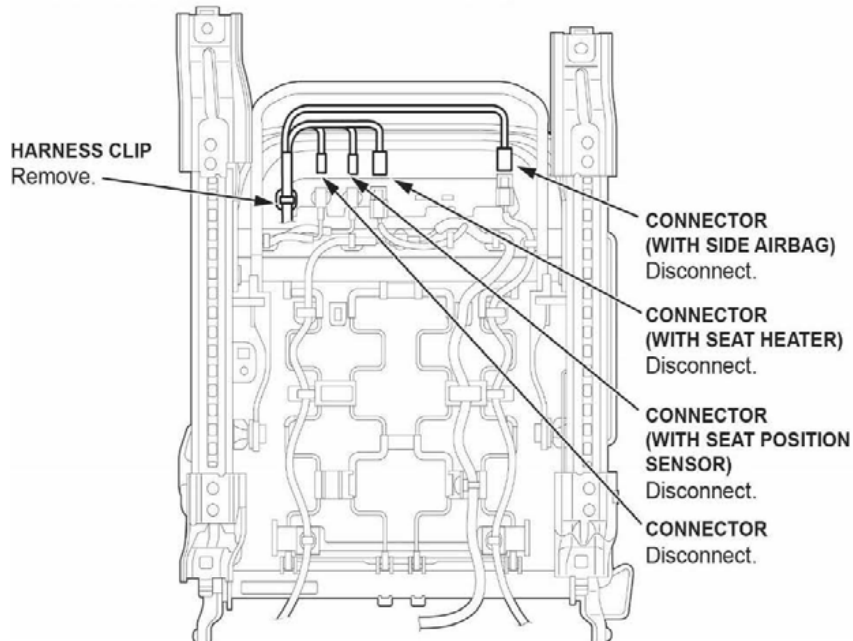
10. Remove the harness clip and connectors as shown.

NOTE: The manual seat is shown below. The power seat is similar.

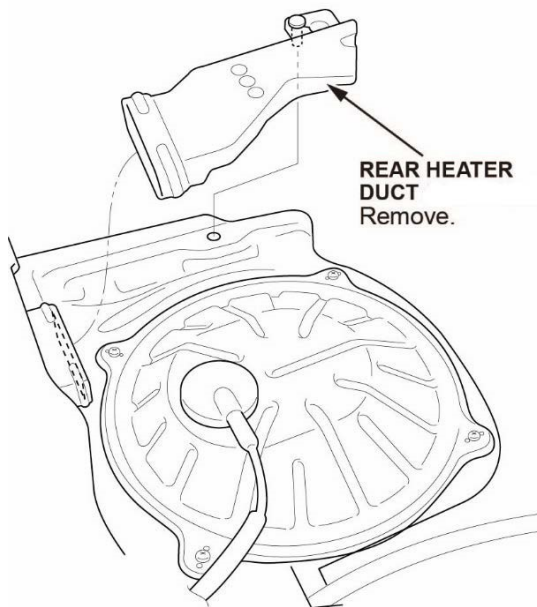
DRIVER'S SEAT (WITHOUT SEAT POSITION SENSOR)



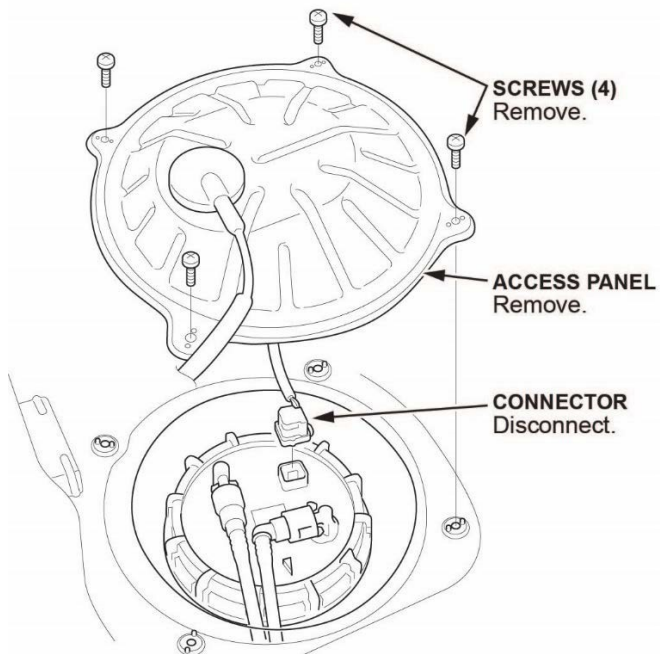
DRIVER'S SEAT (WITH SEAT POSITION SENSOR)



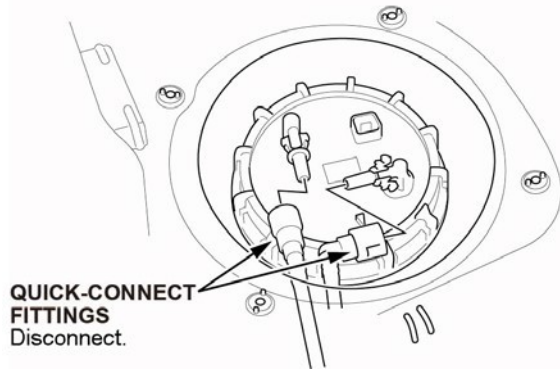
11. Remove the rear heater duct.



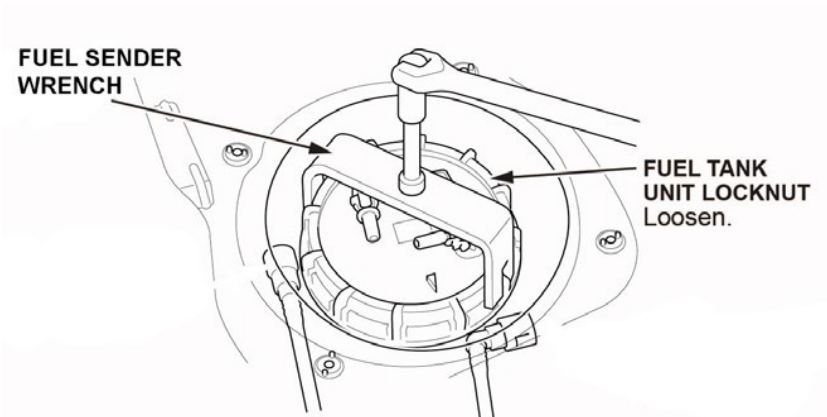
12. Remove the fuel tank unit access panel and disconnect the connector.



13. Place a rag or shop towel over the quick-connect fittings and disconnect them.



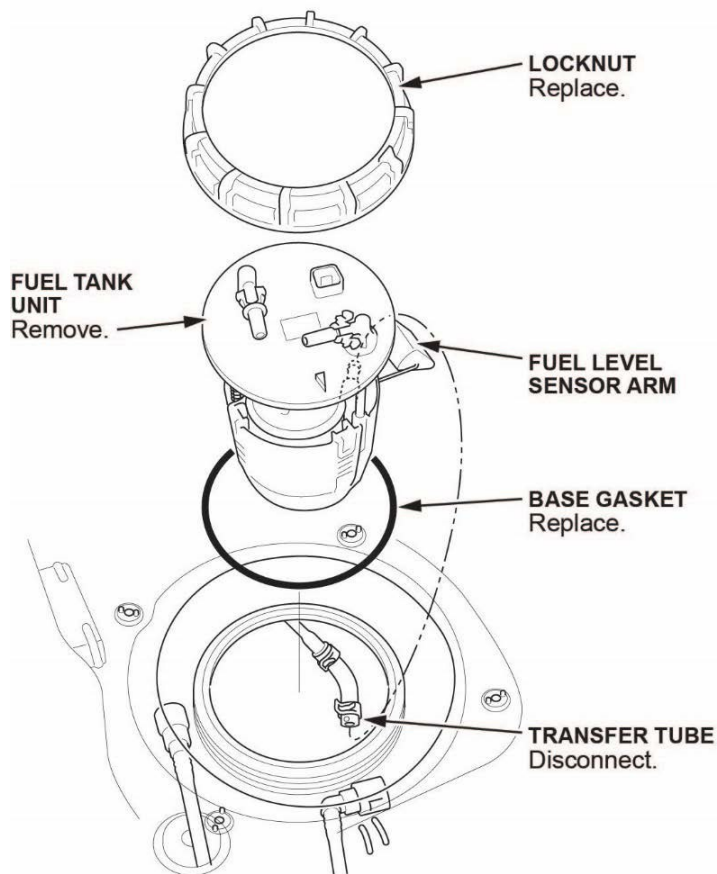
14. Loosen the fuel tank unit locknut using the Fuel Sender Wrench (T/N 070AA-T0AA100 or 07AAA-T0AA100), then remove it.



15. Lift the fuel tank unit and disconnect the transfer tube. Then, remove the fuel tank unit.

NOTE:

- After unlocking the fuel tank unit cam lock ring, clean the top of the fuel pump flange and adjacent areas to make sure it's free of dirt, dust, and debris.
- Make sure not to excessively bend or twist the fuel level sensor arm.



16. Disassemble the fuel tank unit.

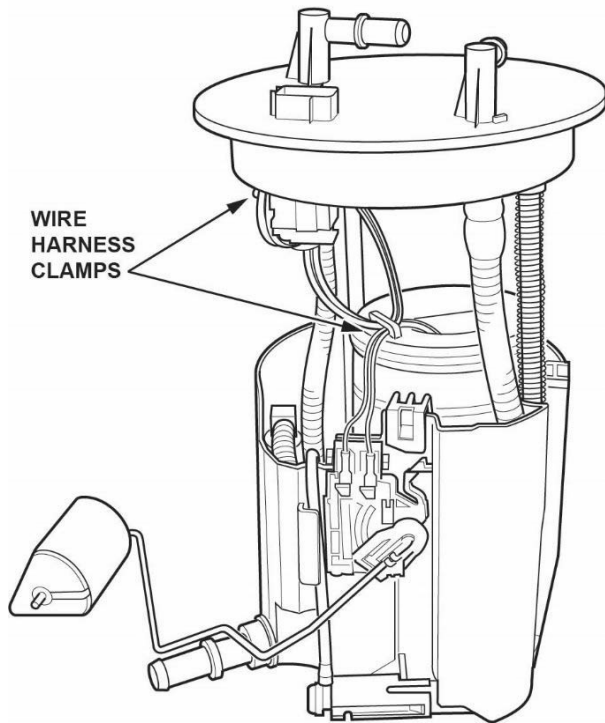
17. Prepare the fuel tank unit and parts to be replaced.

NOTE: Take a photo of the fuel tube and wire harness and note their routing for assembly. There are various types of routing.

18. Spread the wire harness clamps and remove the wire harness.

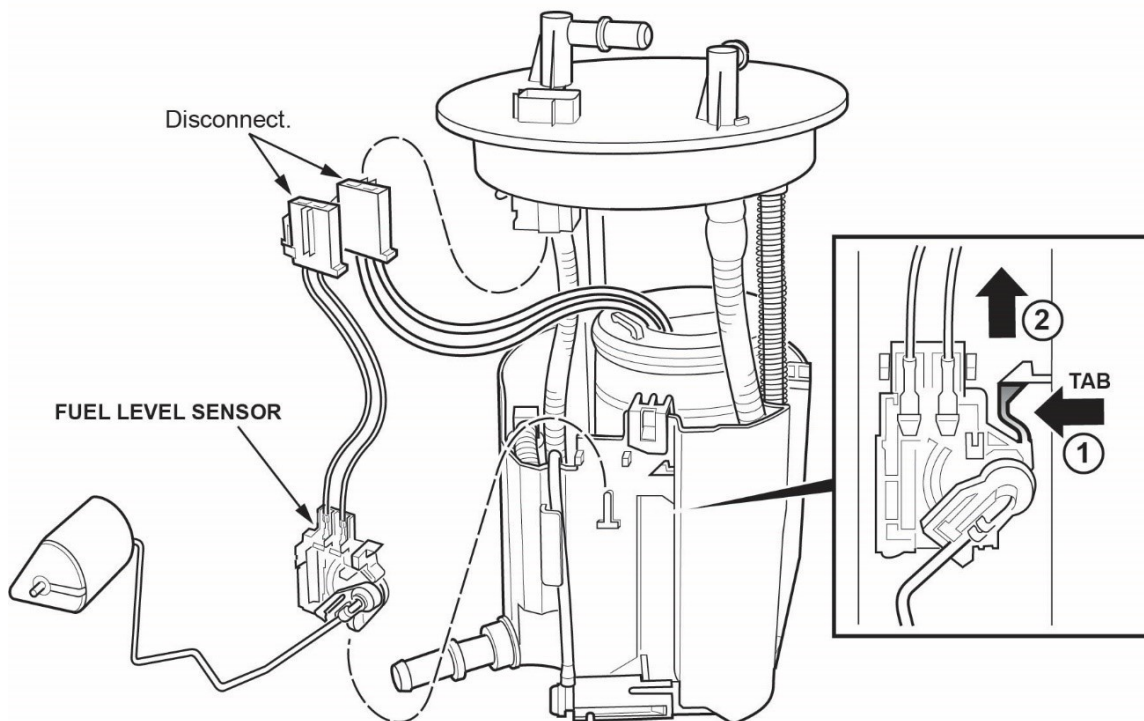
NOTE:

- Make sure not to damage the wire harness.
- Do not spread the clamps too wide. Spreading them too wide may damage them.



19. Remove the fuel level sensor.

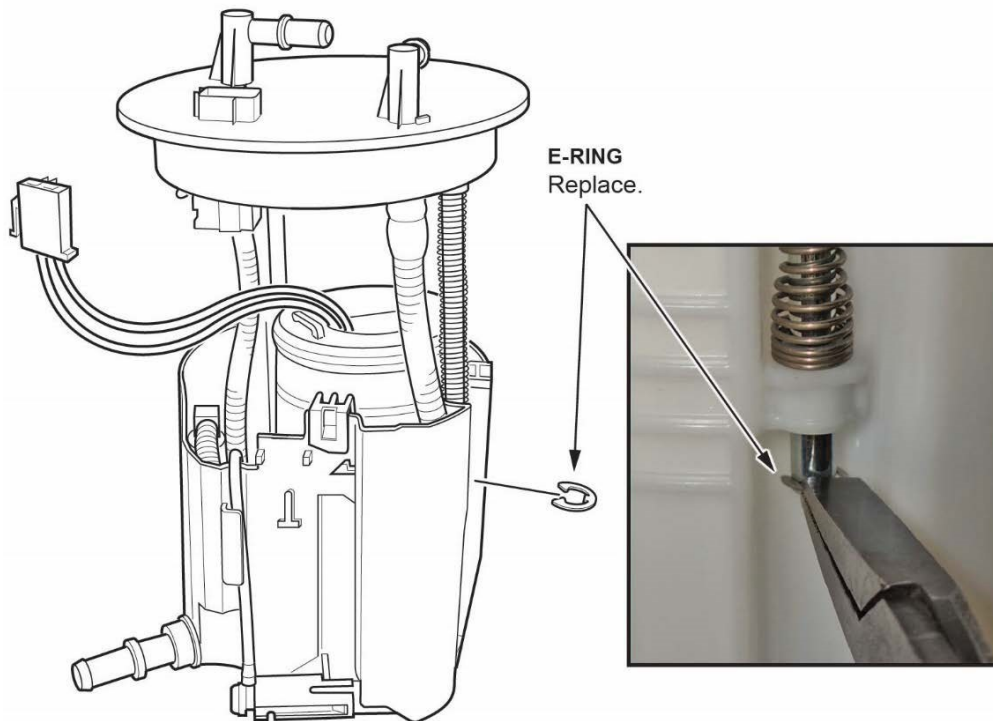
20. Disconnect the harness.



21. Press the tab to release the lock (1). Then, push up on the fuel gauge sending unit (2).

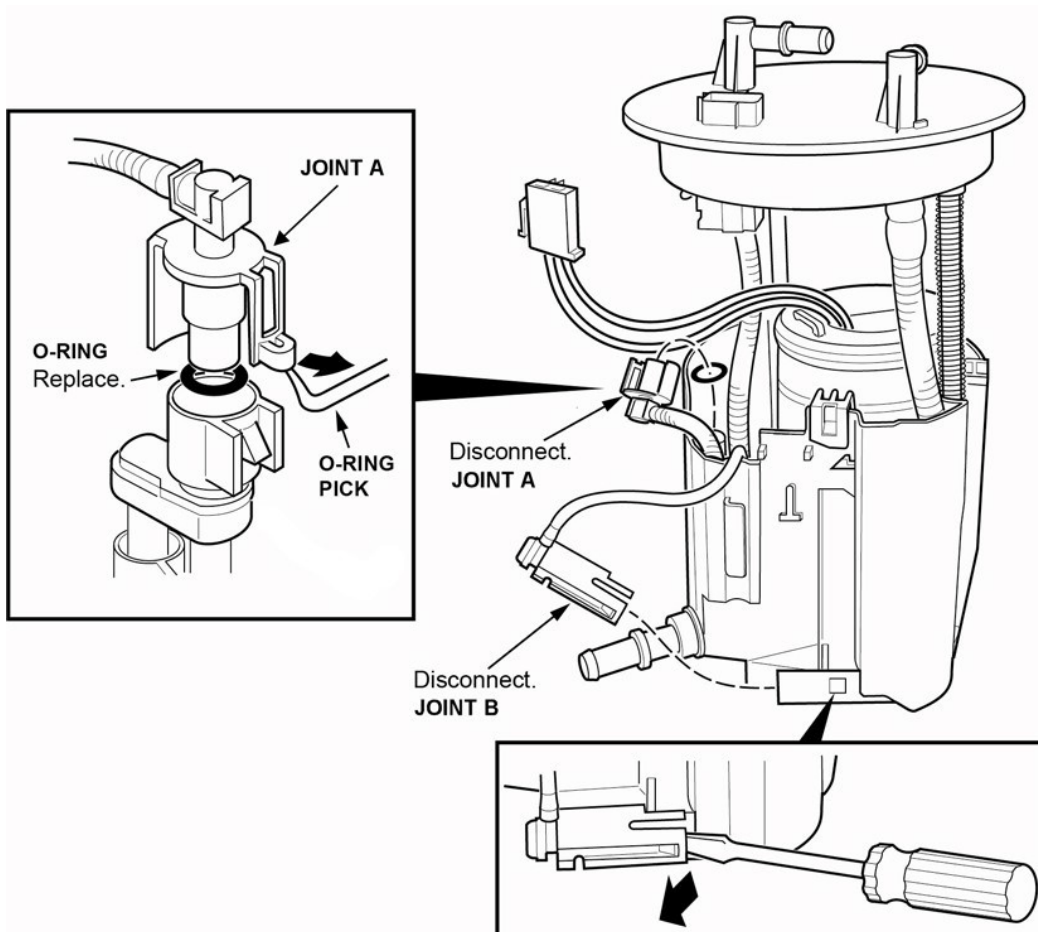
22. Remove the fuel level sensor from the fuel tank unit.

23. Remove the E-ring and throw it away. Do not use it again.



24. Use an O-ring pick to disconnect joint A inside the reservoir.

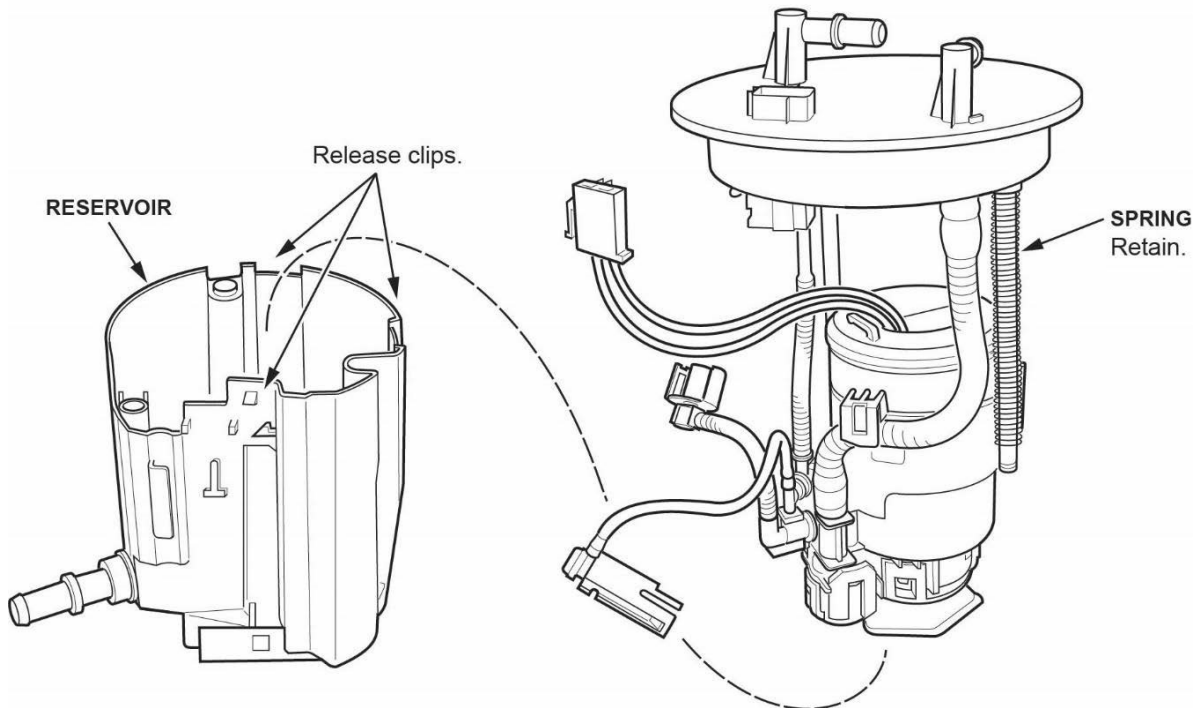
NOTE: If the O-ring remains inside the joint, use a flat-tip screwdriver wrapped in protective tape to remove it. Take care not to damage the O-ring seat section.



25. Disconnect joint B from the bottom of the reservoir.
26. Remove the fuel filter assembly from the reservoir by releasing the three clips.

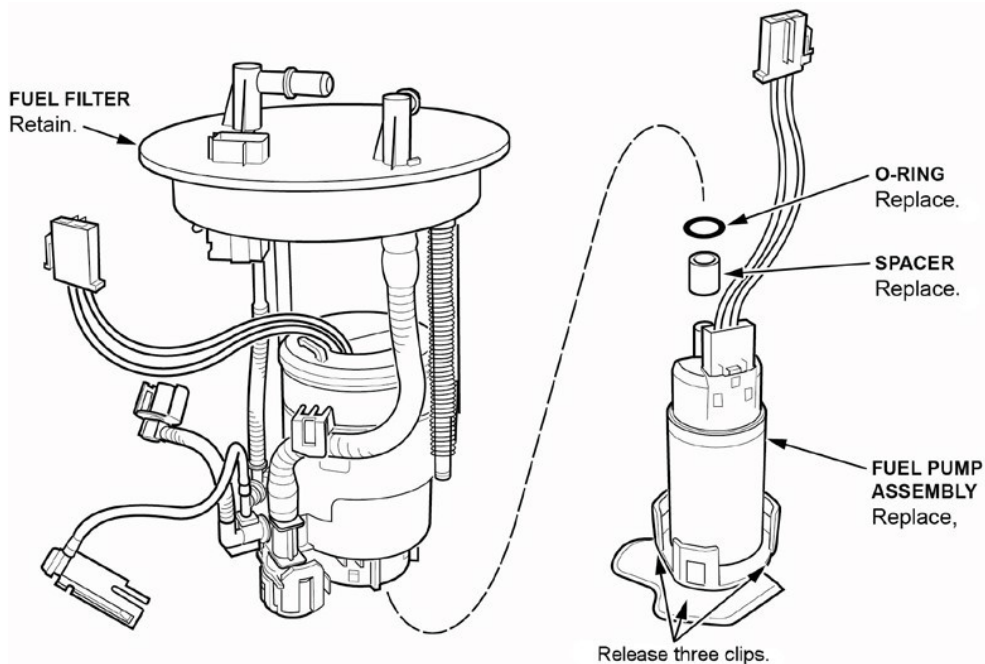
NOTE:

- The spring may slide off the sliding shaft. Retain this spring. It will be used during assembly.
- Do not spread the clips too wide. Spreading them too wide may damage them.

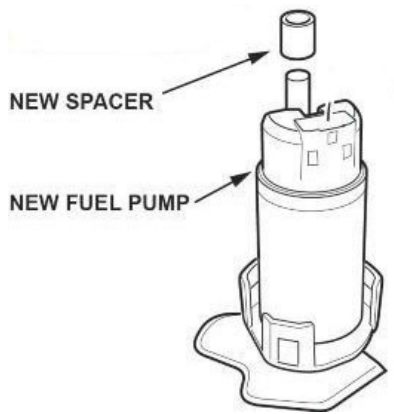


27. Remove the fuel pump assembly from the fuel filter.

- Release the three clips at the base of the fuel pump assembly.
- Pull the fuel pump assembly out of the fuel filter.
- If the O-ring remains on the fuel filter, use a flat-tip screwdriver wrapped in protective tape to remove it. Take care not to damage the O-ring seat section.



28. Install the new spacer onto the new fuel pump motor.

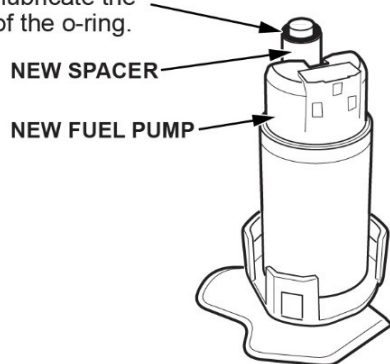


29. Install the new O-ring, then lubricate ONLY the outside edge of it, using clean engine oil.

NOTE: Do not pinch the O-ring during installation.

NEW O-RING

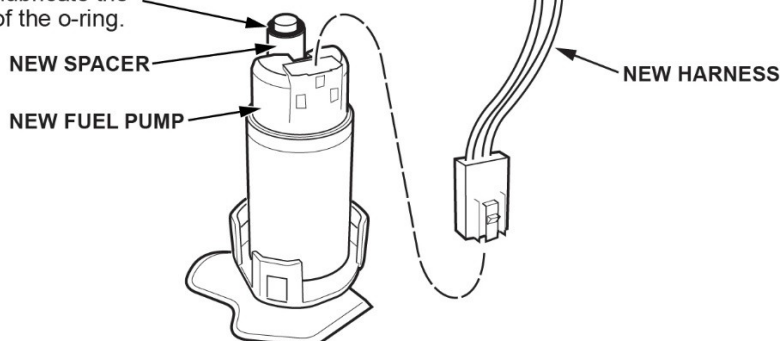
Lubricate after installing.
Do not lubricate the
inside of the o-ring.



30. Install the new harness and make sure the connection is secure and the connectors are firmly locked into place.

NEW O-RING

Lubricate after installing.
Do not lubricate the
inside of the o-ring.



31. With the palm of your hand press the fuel pump into the suction fuel filter.

Click here to view the video:

▶ PLAY VIDEO

NOTICE

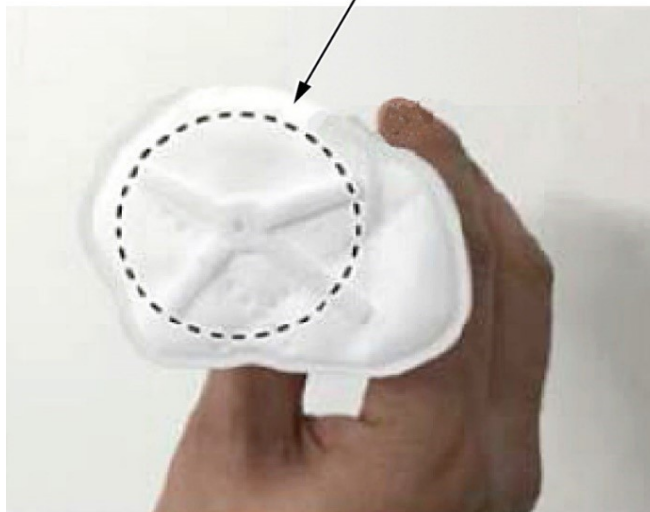
When pressing the fuel pump into the suction filter, make sure you do so with a single firm push. Failure to do so may damage the O-ring. If it is seated properly, you will hear a click.

If you do not hear the click, remove all parts, and inspect the O-ring for damage. If the O-ring is damaged it must be replaced. Reassemble using the above process.

NOTE:

- When inserting the pump be careful not to break the suction filter.
- If the O-ring is damaged; replace it with a new one.
- After installing the fuel pump to the suction filter, make sure the clips are firmly attached to the new fuel pump.

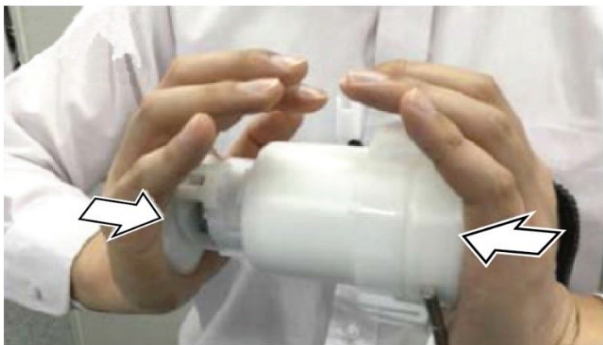
SUCTION FILTER



GOOD



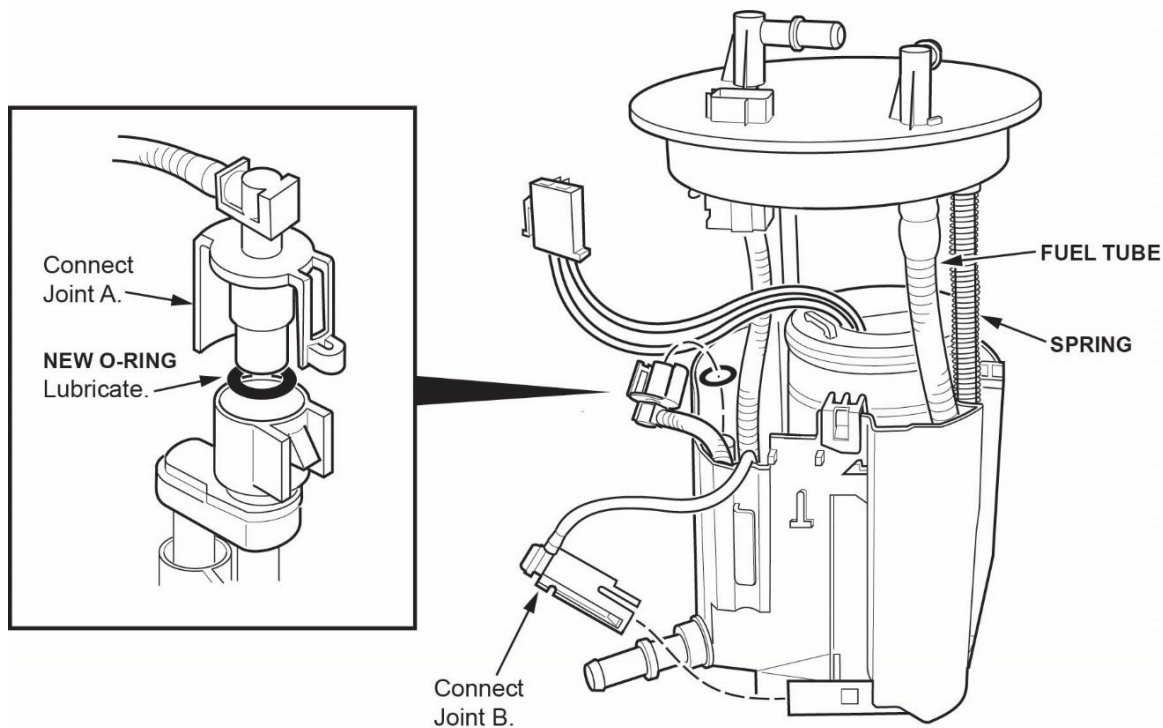
NO GOOD



32. Install the fuel filter assembly to the reservoir:

NOTE:

- Install a new O-ring on joint A before connecting it.
- Coat the O-ring with clean engine oil; do not use any other oil or fluid.
- Do not pinch the O-ring during installation.
- Install the spring into the sliding shaft, and make sure it is lined up when installing the fuel filter.
- Make sure the fuel tube is routed **exactly** as shown in the photo taken before disassembly.
- Make sure the three clips are fully engaged.



33. Connect joint B.

34. Install the new E-ring.

NOTE: After installation, make sure the E-ring can be rotated with your finger. If it cannot be rotated, the E-ring may not be fully seated or may be incorrectly installed.

35. Install the fuel level sensor in the reservoir. Make sure the lock is engaged.

NOTE: When installing the fuel level sensor, make sure the connection is secure and the connector is firmly locked into place. Be careful not to bend or twist it excessively.

36. Install the wiring harness to the clamps.

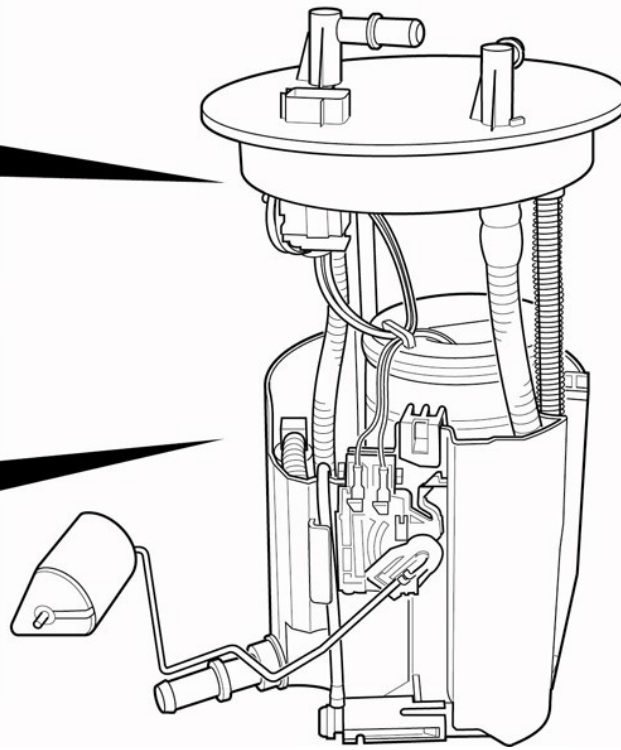
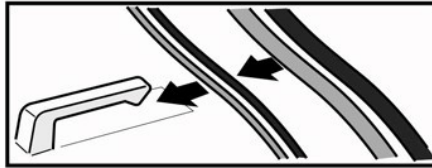
NOTE:

- Clip in the smaller harness wires followed by the larger wires.
- Make sure not to damage the wire harness.
- Make sure the wire harness is routed **exactly** as shown in the photo taken before disassembly.
- Do not spread the clamps too wide. Spreading them too wide may damage them.

HARNESS ROUTING



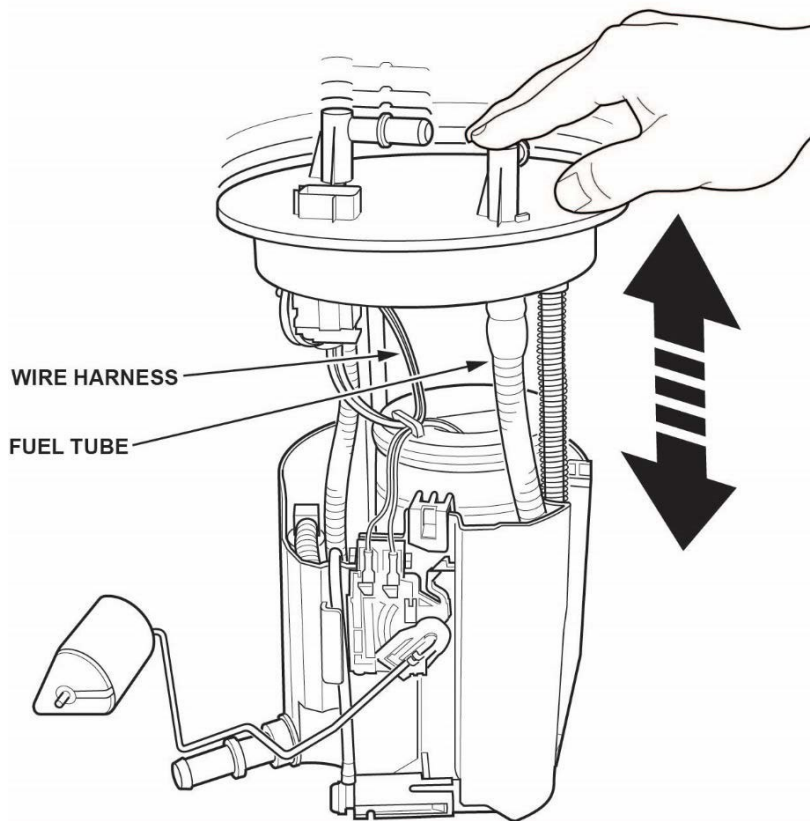
Clip in the smaller harness wires
followed by the larger wires.



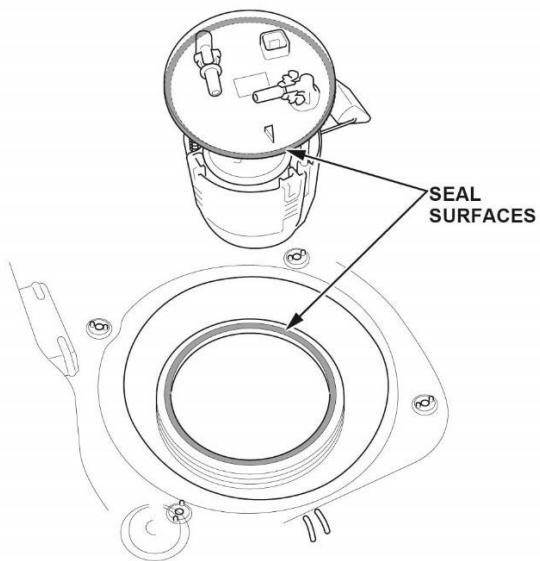
37. While compressing the fuel tank unit, make sure the movement is smooth, and the fuel tube and wiring harness do not pinch or bind.

NOTE:

- Make sure the wire harness is not stretched.
- Make sure the fuel tube is not pinched.



38. Clean the seal surfaces on the fuel tank unit and gasket groove on the fuel tank.

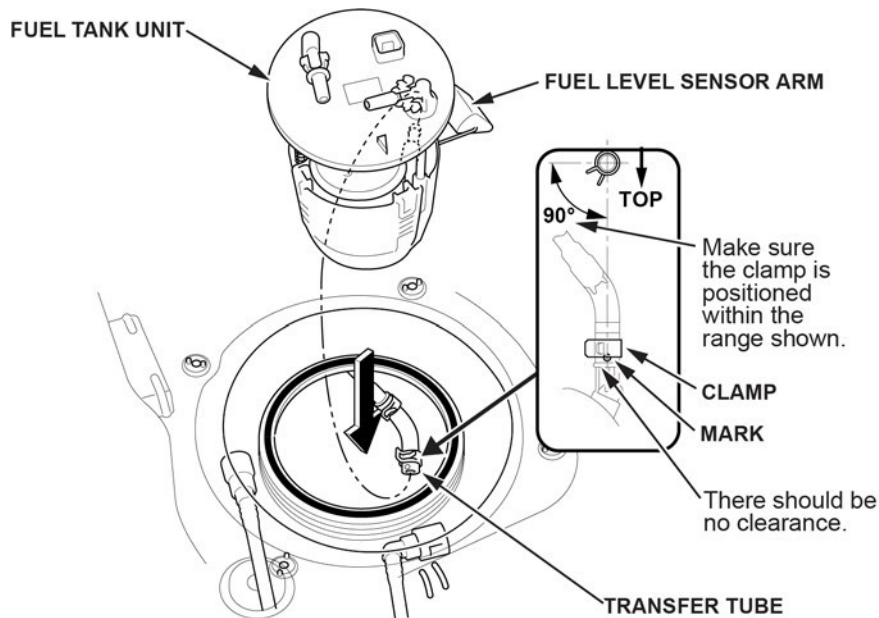


39. Carefully install a new base gasket to the gasket groove on the fuel tank as shown.



40. Connect the transfer tube to the fuel tank unit.

NOTE: Make sure the transfer tube clamp is positioned as shown.

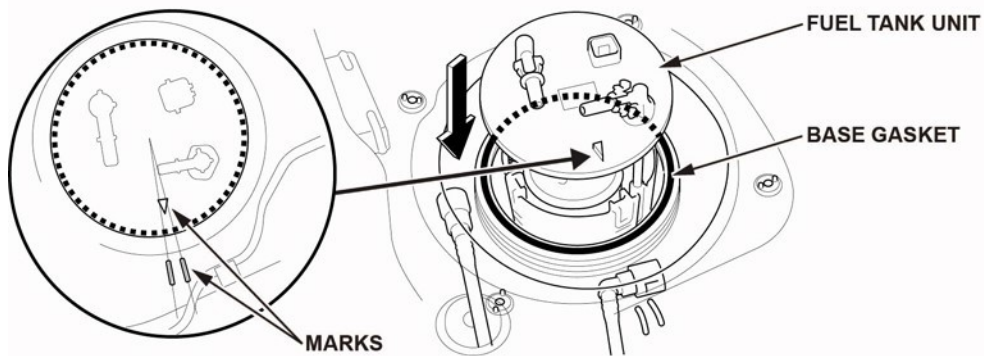


41. Partially insert the fuel tank unit into the fuel tank.

NOTE:

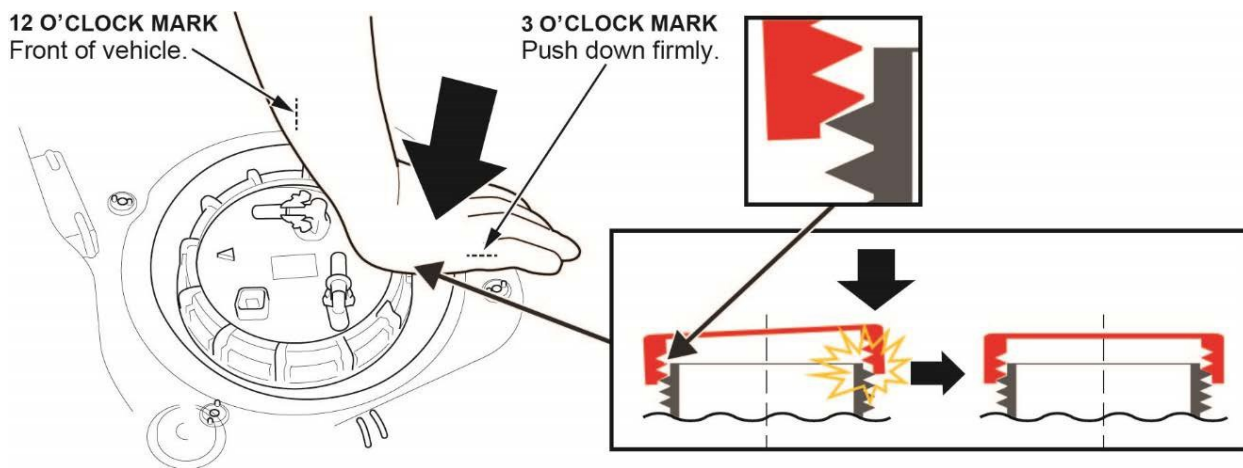
- Before installing the new O-ring, clean the fuel tank around the fuel pump opening where the O-ring will seat.
- The tank opening must be free of dirt, dust, and debris.
- Be careful not to damage the new base gasket.
- Do not coat the base gasket with any oil.
- Make sure not to bend or twist the fuel level sensor arm excessively.

42. Line up the marks on the fuel tank and fuel tank unit as shown, then insert the fuel tank unit.

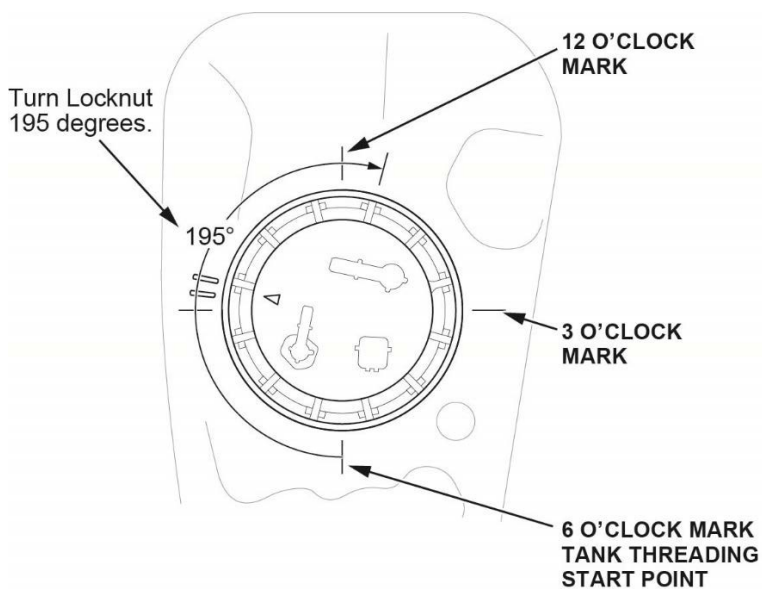


43. While pushing down the fuel tank unit, make sure the fuel tank unit is flat against the base gasket. To avoid a fuel leak and/or damaging the gasket, make sure the base gasket is not pinched. Do this either visually and/or by hand.

44. Push down firmly on the locknut at the 3 o'clock mark to make sure the threads on the fuel tank opening are properly engaged.



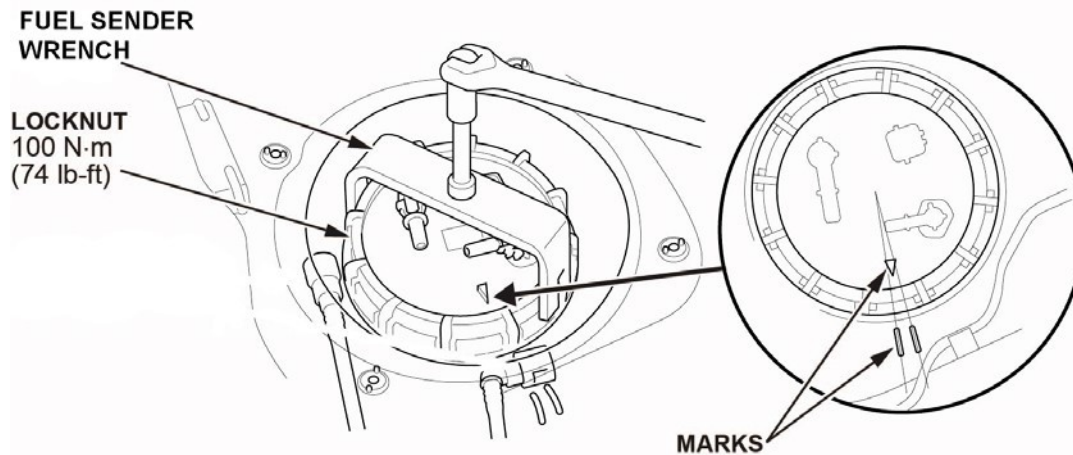
45. Rotate the locknut clockwise 195 degrees from the thread starting point.



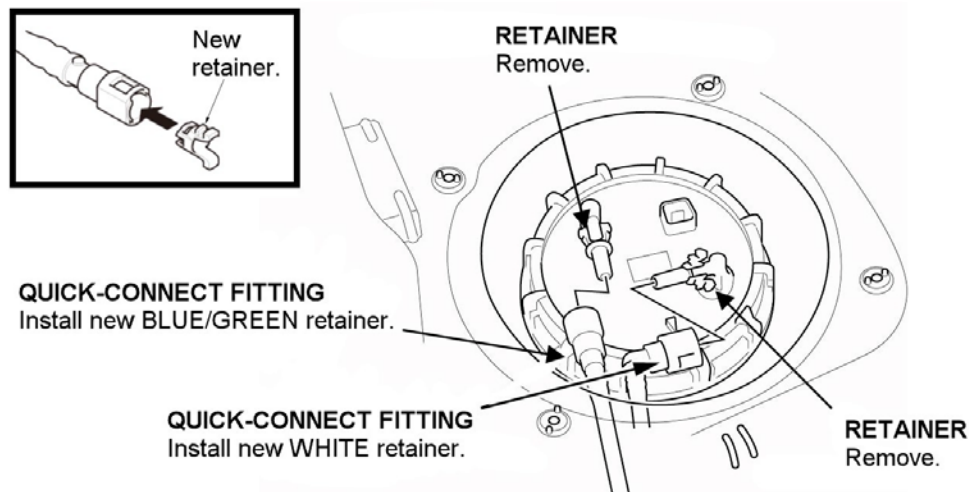
46. Tighten the fuel tank unit locknut.

NOTE:

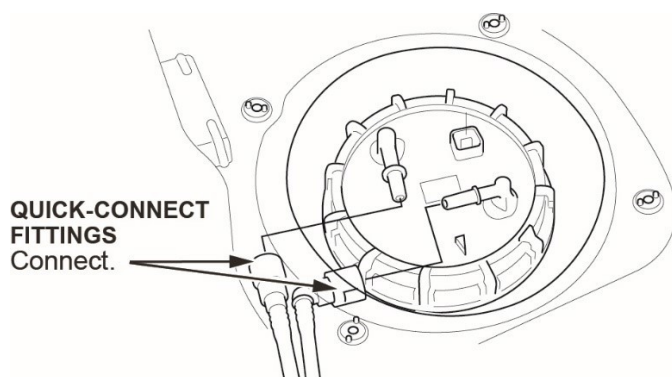
- If the locknut is not properly installed, the fuel tank can be damaged and will require replacement.
- While pushing down the fuel tank unit, tighten the new fuel tank unit locknut with a new locknut plate by hand.
- Tighten the fuel tank unit locknut to the specified torque using the fuel sender wrench. **NOTE:** After tightening, make sure the marks are still lined up.



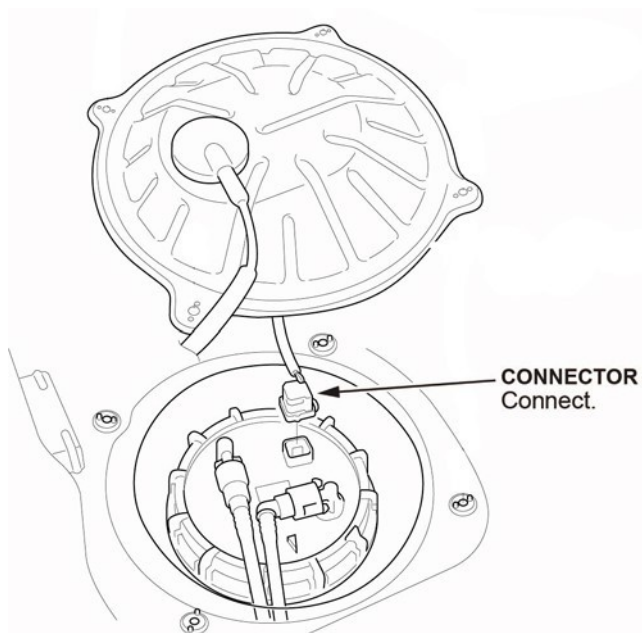
47. Remove the quick-connect fitting retainers on the fuel tank unit, then install the new retainers to the quick-connect fittings as shown.



48. Connect the quick-connect fittings to the fuel tank unit.



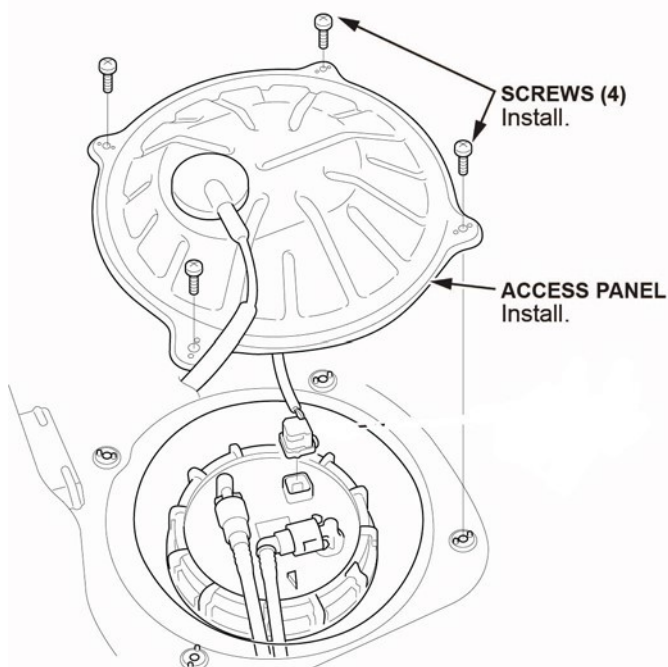
49. Connect the fuel tank unit connector.



50. Connect the 12-volt battery terminals **(positive) 4.0–10.0 N·m (2.95–7.4 lb–ft) (negative) 2.9–5.9 N·m 2.14–4.35 lb–ft).**

51. Check for fuel leaks by turning the ignition to ON, but do not turn the engine on. After the fuel pump runs for about **2 seconds**, the fuel line will be pressurized. Repeat this two or three times, then make sure there is no fuel leakage.

52. Install the fuel tank unit access panel.



53. Install the remaining parts in the reverse order of removal.

54. Clear all DTCs using an i-HDS.

55. *California residents only:* Fill out a Vehicle Emissions Recall – Proof of Correction certificate and use **OGQ** as the recall number. Have the service advisor give the certificate to your customer and advise him or her to keep it as proof that the recall was completed. Your customer will need to submit this certificate to the DMV only if the DMV requests it. If you need more certificates, use reorder number **Y0657**.

Vehicle Emission Recall - Proof of Correction				
License Number	Make	Year Model	Body Type	Vehicle Identification Number
Manufacturer			Recall Number OGQ	
The above described vehicle has been repaired, modified and/or equipped with emission control devices to meet applicable California Emission Control Laws.				
Dealer's Name		Address, City, State and Zip		
Date		Dealership's Authorized Signature		
X				
Return this certificate to DMV only when required - otherwise retain for your records.				

Y0657 ACL 24832 (0212)