

**HYUNDAI**NEW THINKING.
NEW POSSIBILITIES.**Technical Service Bulletin**

| | |
|---------------|----------------------------|
| GROUP | NUMBER |
| CAMPAIGN | 12-01-038 |
| DATE | MODEL |
| NOVEMBER 2012 | GENESIS COUPE (BK 2.0T) |

| | |
|---------|---|
| SUBJECT | FUEL PUMP NOISE SERVICE PROCEDURE (SERVICE CAMPAIGN TM5) |
|---------|---|

*** IMPORTANT******* Dealer Stock Vehicles *****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: Some 2013 Genesis Coupe 2.0T vehicles may exhibit a noise emanating from the in-tank fuel pump during operation. Follow the service procedure outlined in this bulletin to replace part of the fuel pump assembly with a "Fuel Pump Assist Kit" to address this condition.

Applicable Vehicles:

- 2013 MY Genesis Coupe (BK) vehicles equipped with 2.0L Turbo engines
- Produced from SOP through 8/30/2012.

Parts Information:

| Part Name | Part Number | Included Kit Parts |
|----------------------|-----------------|---|
| FUEL PUMP ASSIST KIT | 31113-2M700-QQH | <p>PLATE</p> <p>PACKING (PLATE SEAL)</p> <p>O-RING (9.8MM ID)</p> <p>O-RING (7.8MM ID)</p> <p>CLIP</p> <p>ZIP TIE</p> |

Warranty Information:

| Op Code | Operation | Op Time |
|----------|----------------------------------|---------|
| 20C093R0 | Fuel Pump Assist Kit Replacement | 0.7 M/H |

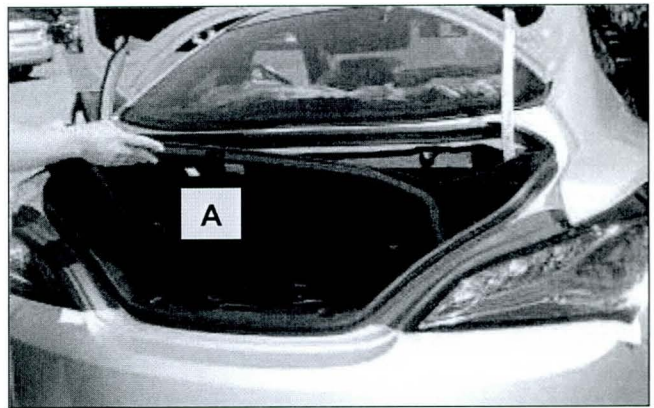
NOTE: Submit claim on Campaign Claim Entry Screen

Circulate To: Service Manager, Warranty Manager, Service Advisors, Technicians, Fleet Repair

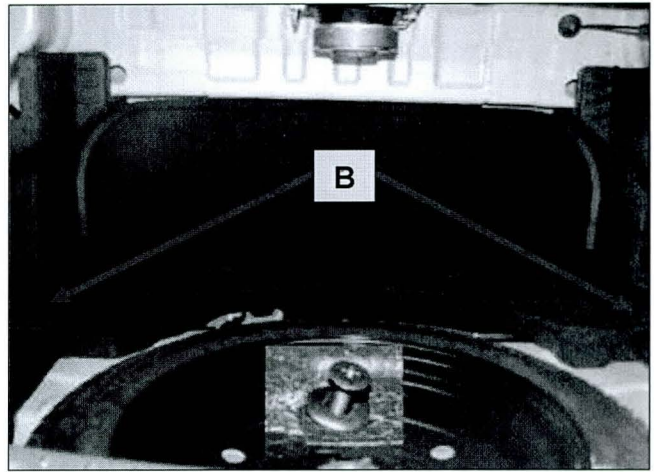
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SERVICE PROCEDURE

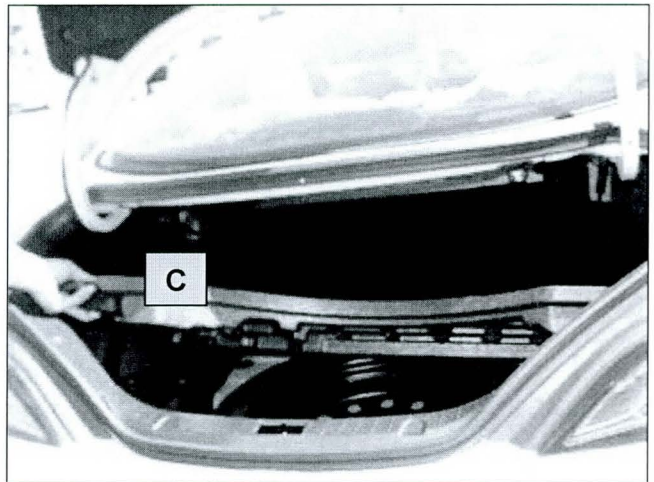
1. Place the ignition switch in the OFF position, and then open the trunk.
2. Remove the trunk trim (A).



3. Remove the trunk Styrofoam mounting clips (B).

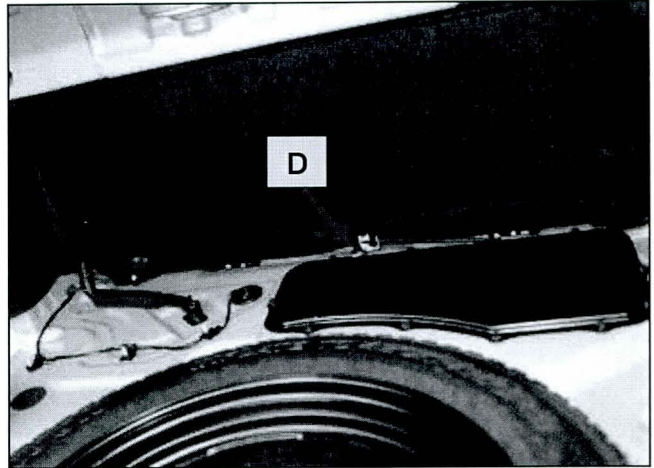


4. Remove the trunk Styrofoam (C).



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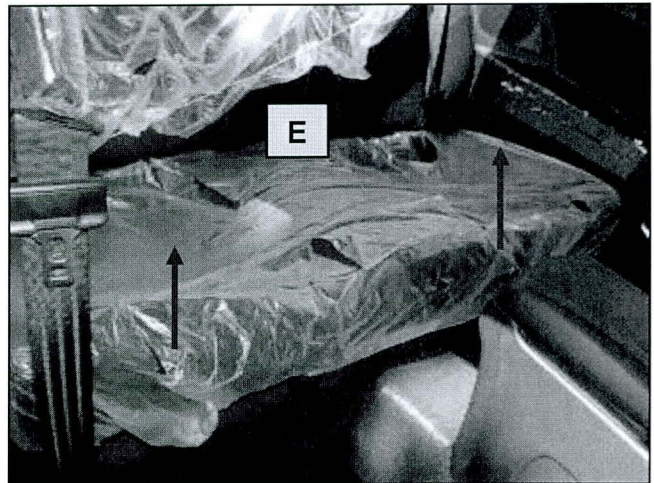
5. Remove the rear seat cushion mounting bolt (D).
Tightening Torque:
32.6~43.3 lb-ft (44.2~58.8 Nm, 4.5~6.0 kgf.m)



6. Remove the rear seat cushion (E) by lifting the front of rear seat cushion.

NOTICE

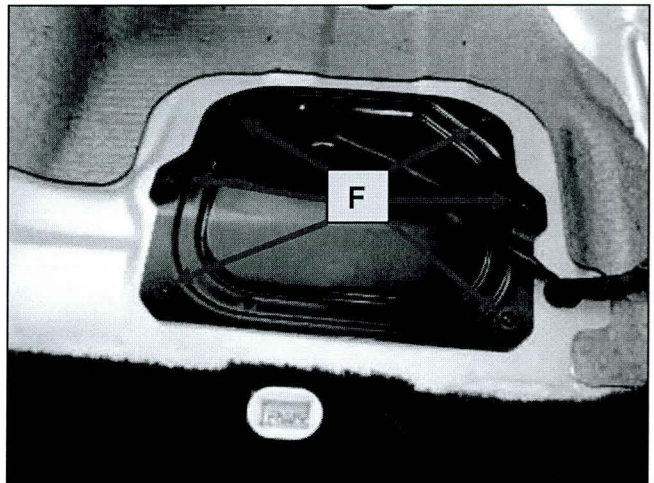
Take extra care to prevent damaging or scratching the rear seat cushion or the vehicle interior/paint during removal from the vehicle cabin and upon reinstallation.



7. Remove the fuel pump module.
a. Loosen and remove the fuel pump cover mounting screws (F).

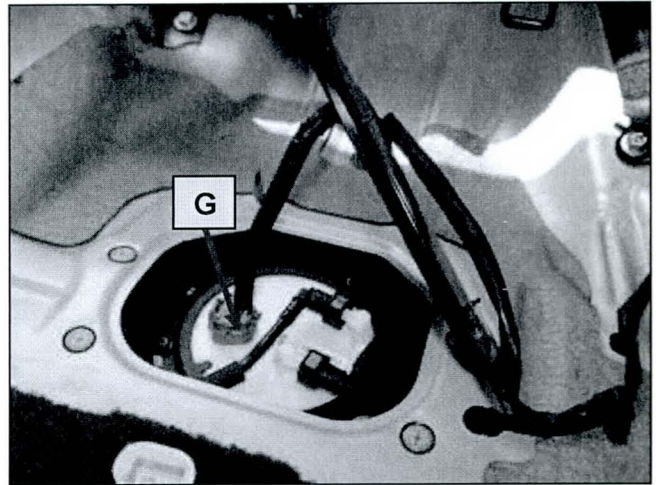
WARNING

- Avoid breathing gasoline fumes.
- Wear safety glasses and protective gloves.



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- b. Lift the fuel pump cover and disconnect the fuel pump connector (G) to fully remove.
- c. With the fuel pump electrical connector disconnected, start the engine and let it run at idle until the fuel pressure is depleted and the engine stops running.
- d. Place the ignition switch in the OFF position.

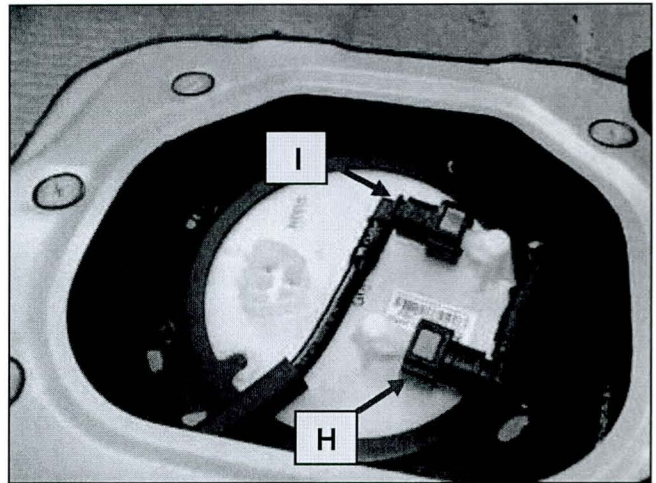


- e. Disconnect the fuel supply tube connector (H) and the fuel transfer tube connector (I).

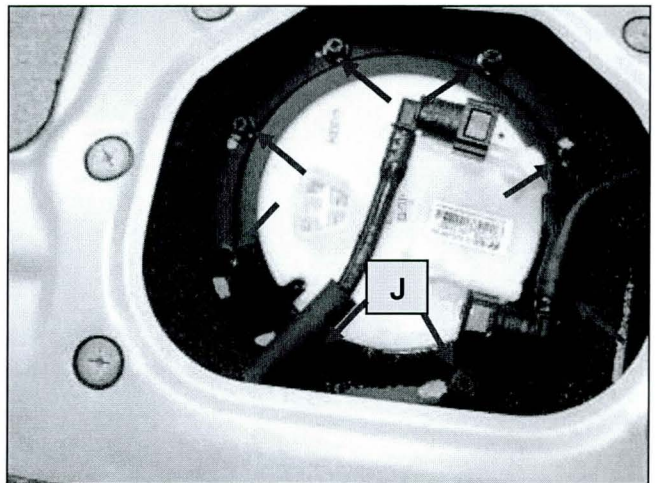


NOTICE

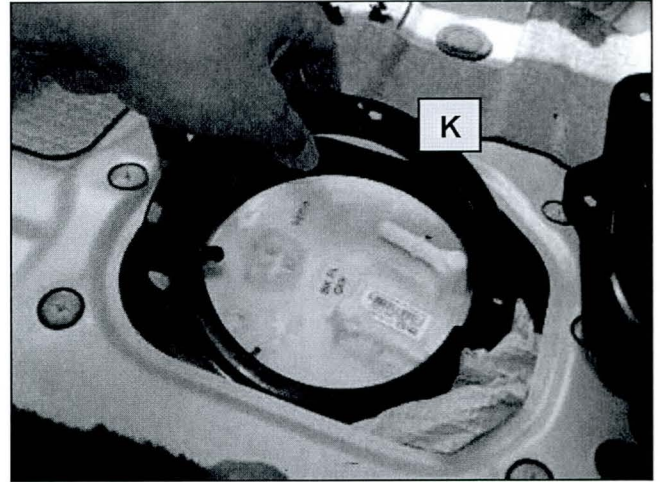
Some residual fuel pressure may still be present inside the fuel supply tube. Cover the connector area with a shop towel when disconnecting to absorb any fuel released.



- f. Remove the fuel pump assembly mounting bolts (J).



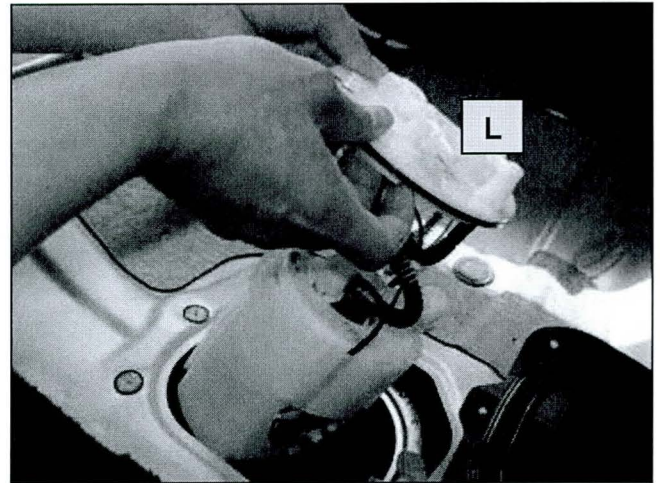
g. Remove the fuel pump fixing plate (K).



h. Remove the fuel pump module (L).

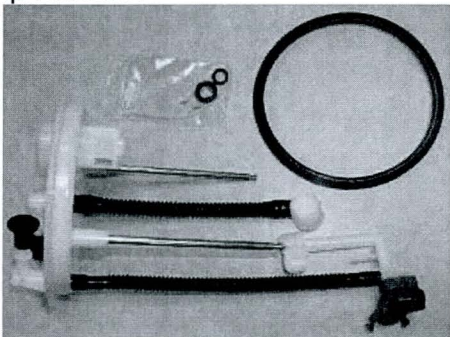
NOTICE

Fuel held inside the reservoir and filter housing portion of the fuel pump module may spill out. Place a shop towel beneath it to absorb any dripping fuel and prevent spilling to the vehicle interior surfaces.



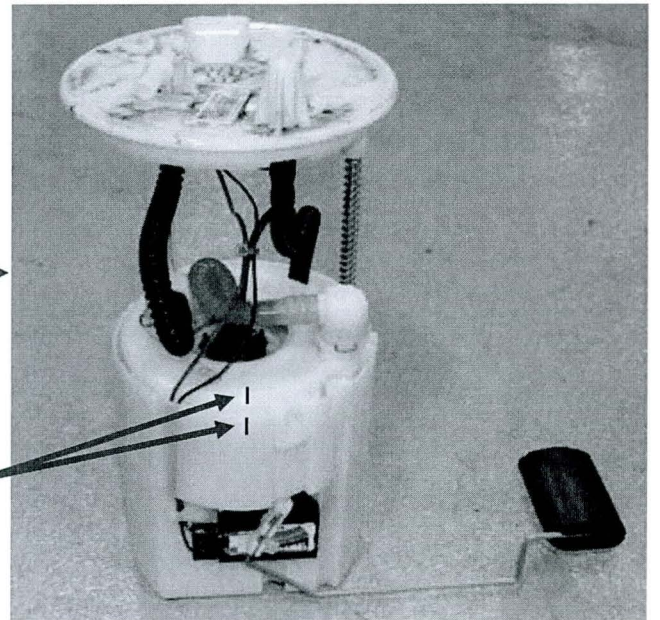
i. Once outside, drain the remaining fuel contents trapped inside the fuel pump module by inverting it over an engine drain pan.

8. Install the fuel pump assist kit to the removed fuel pump module.



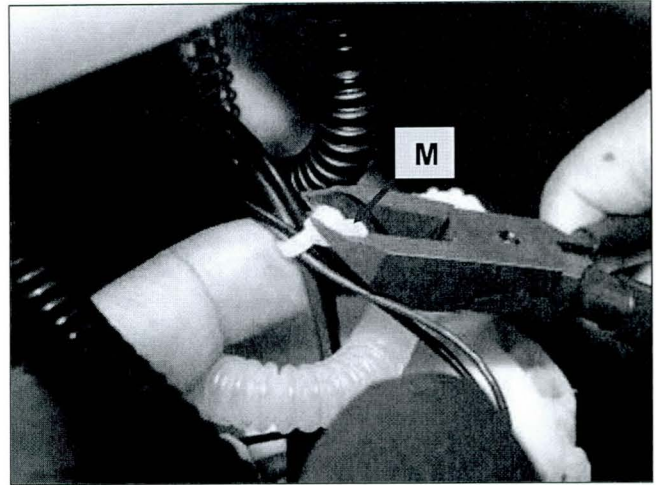
NOTICE

Before disassembling the fuel pump module, adding index marks to align the reservoir cup and fuel pump/filter module may help facilitate the reassembly process.

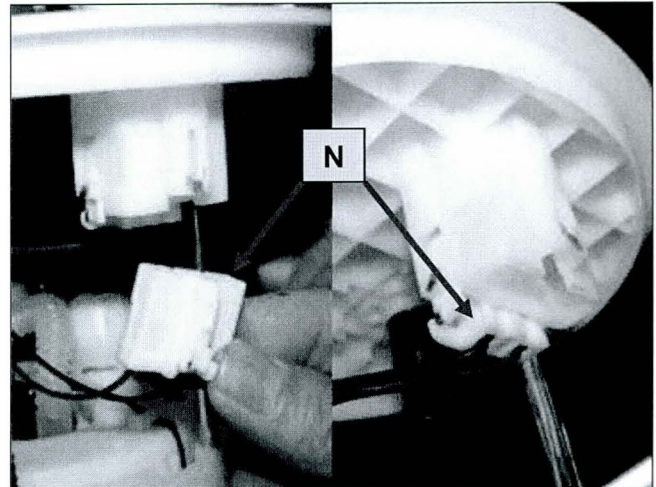


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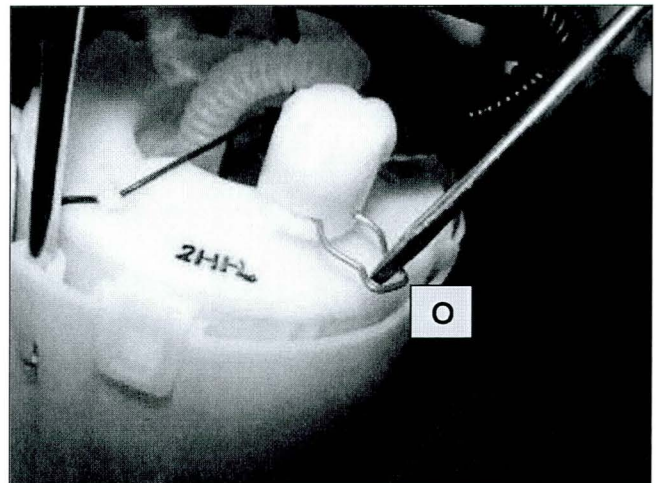
- a. Cut the zip tie (M) that holds the fuel pump wires together.



- b. Disconnect the fuel pump and sender connectors. (N)

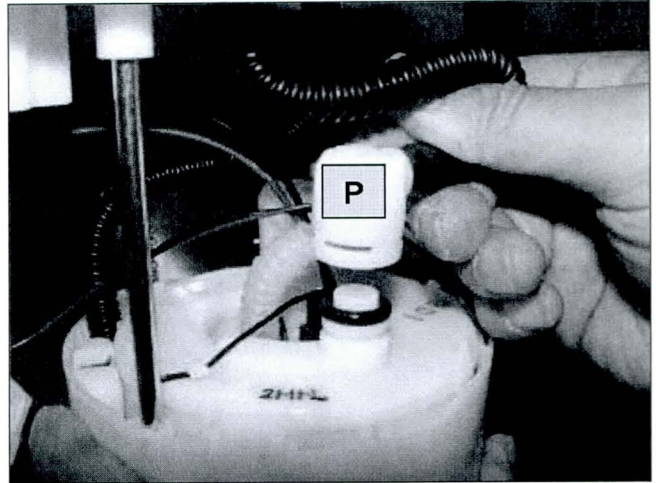


- c. Undo the fuel pump to top plate pipe fixing clip (O).

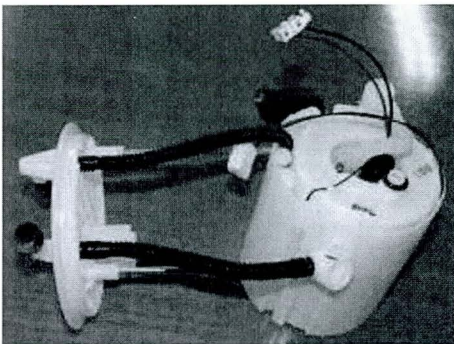
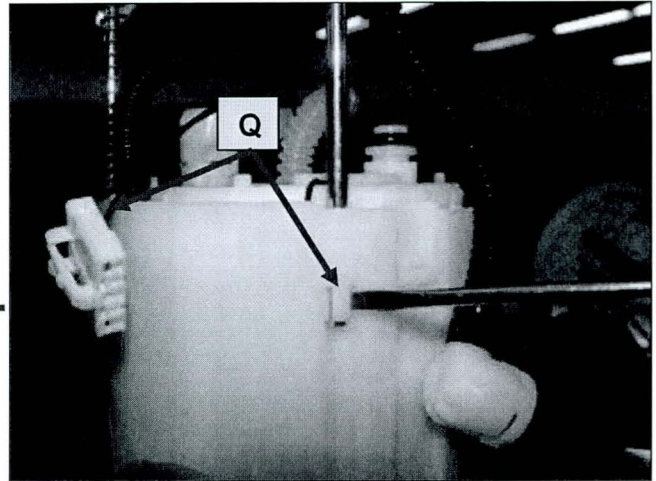


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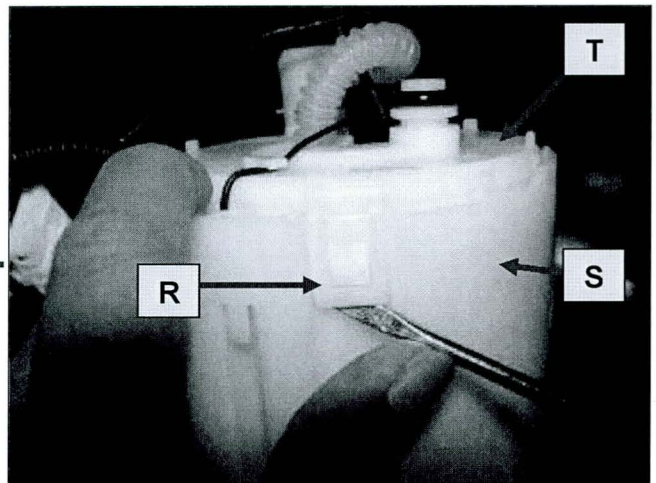
- d. Remove the fuel pump to top plate pipe fitting (P).



- e. Undo the locks (Q) of the fuel pump plate stanchions, and then remove the fuel pump plate from the fuel pump module.

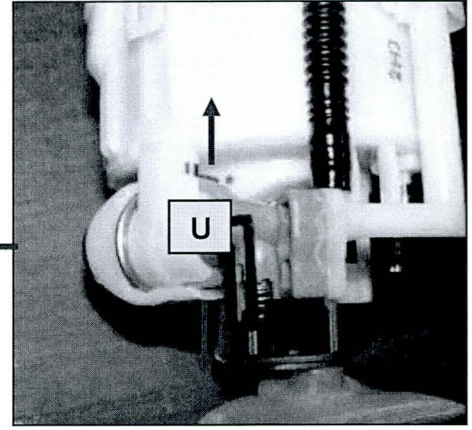
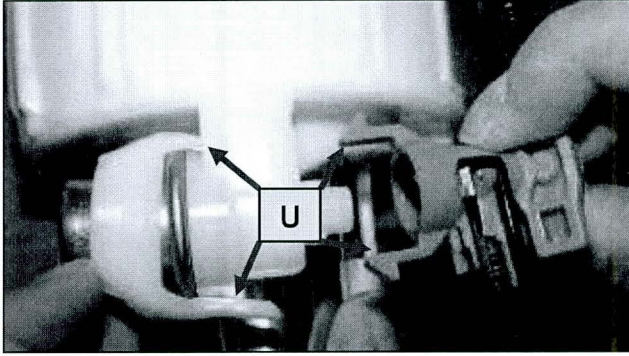


- f. Undo the locks (R), and then separate the reservoir cup (S) from the fuel pump/filter module (T).

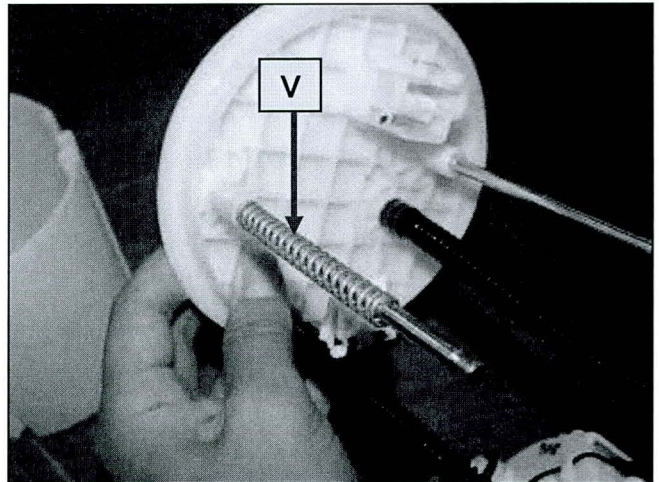


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g. Remove the fuel pump assist circuit from the fuel pump module by undoing the lock (U).



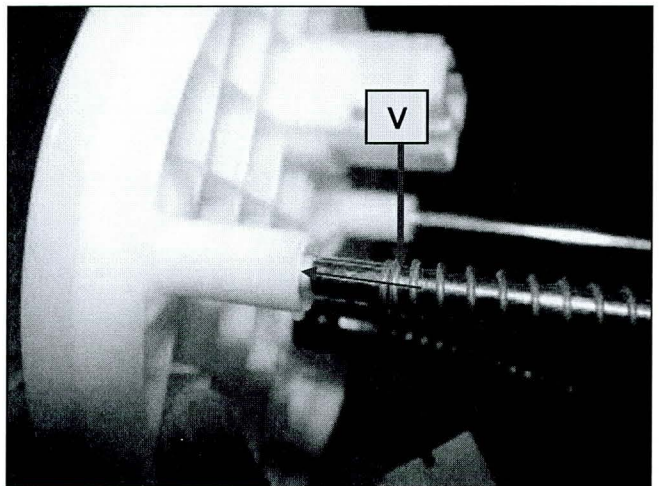
h. Remove the spring (V) from the removed plate assembly.
• Reuse the spring for new plate assembly.
• Discard the old plate assembly.



i. Install the removed spring (V) to the new plate until a "click" sound is heard.

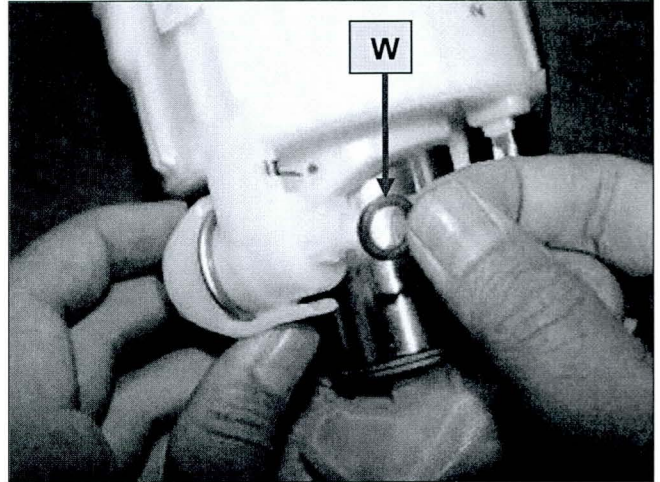
NOTICE

Be sure to install the spring to the correct stanchion of the new plate. Spring should be installed to the stanchion that is farthest away from the connector body of the plate.

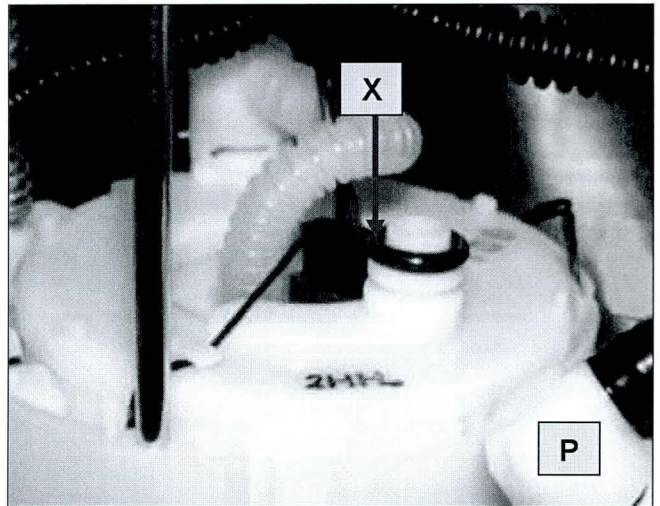


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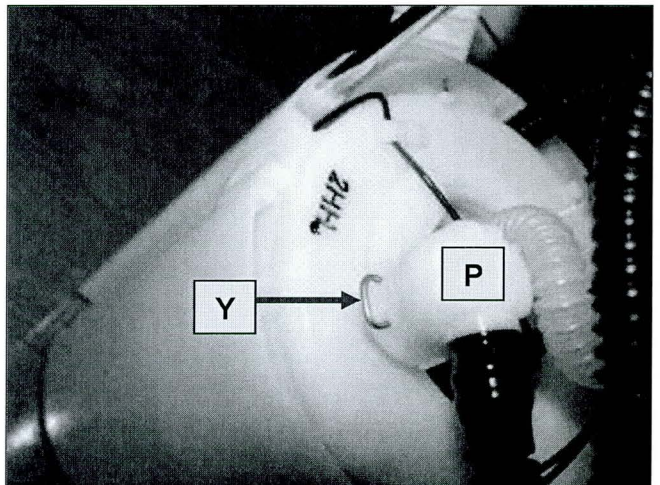
- j. Install smaller (7.8MM ID) new O-ring (W) to the new assist pump.
- Discard the old O-ring.



- k. Install larger (9.8MM ID) new O-ring (X) to the fuel filter outlet port where the top plate pipe fitting (P) will connect to.
- Discard the old O-ring.

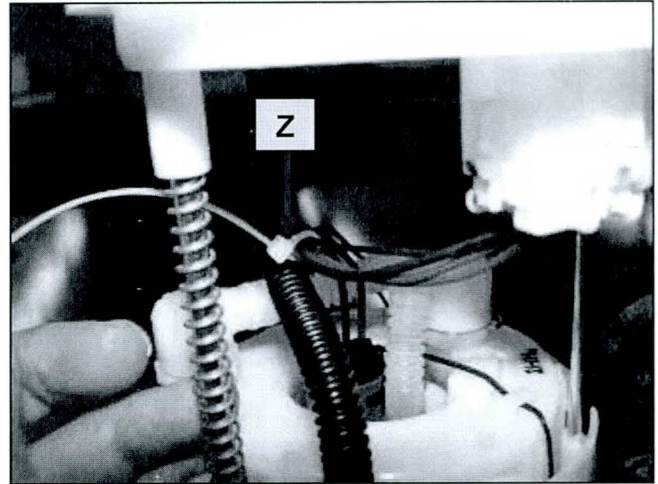


- l. Connect the top plate pipe fitting (P) to the fuel filter outlet port and then install a new clip (Y) to secure it.

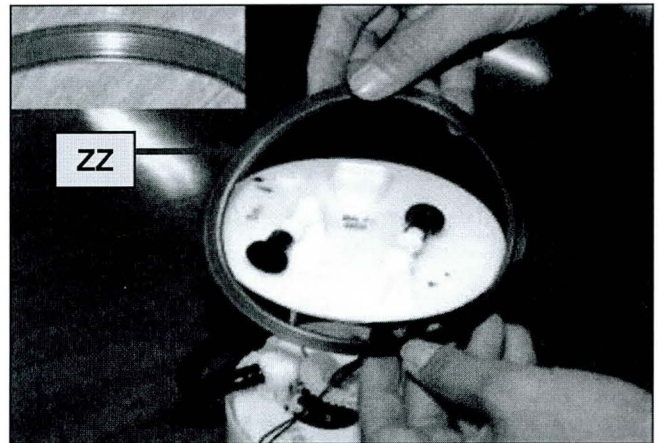
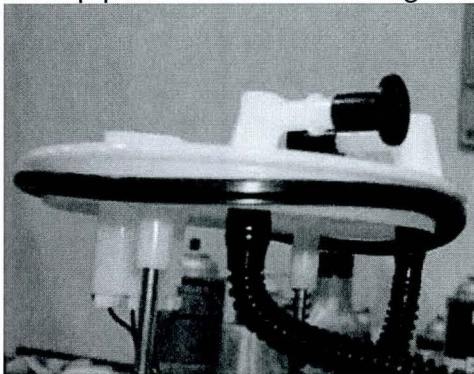


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- m. Bundle the pump and sender wiring together with a zip tie strap (Z), and then cut off the excess portion of the strap.



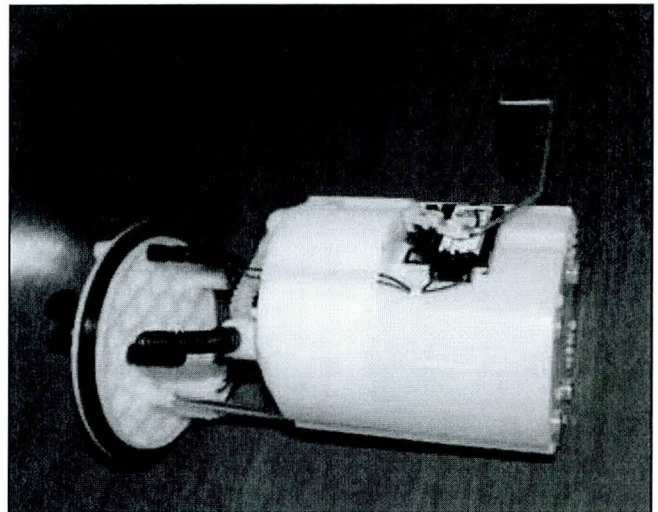
- n. Install a new packing (ZZ) to the underside of the top plate with the inner ridge facing down.



- o. Reinstall the remaining portion of the fuel pump module and the vehicle interior in the reverse order of removal.

NOTICE

Be sure to install all electrical connectors and fuel supply connectors by pushing it fully until a “click” is heard to confirm positive lock of the connection.



9. Verify repair.
- Check all electrical connection for positive contact.
 - Check all fuel tube connectors for any leaks.
 - Confirm all interior parts are installed correctly.
 - Confirm no Check Engine Light and clear any pending DTC related to procedure.
 - Confirm proper engine operation.