



HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	08-01-011-1
Date	SEPTEMBER, 2008
Model	2008 ELANTRA

Subject
**FUEL PUMP SUBASSEMBLY REPLACEMENT
 (CAMPAIGN 086)**

CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY MGR	<input type="checkbox"/> SALES MANAGER

This bulletin supersedes TSB 08-01-011 to revise the service procedure and to update as Campaign 086 with the corresponding labor operation code. Service Campaign T57 will be deactivated for Repair Orders dated September 8, 2008 and later. Please use procedure for Campaign 086.

IMPORTANT: DEALERS MUST PERFORM THIS CAMPAIGN ON ALL AFFECTED VEHICLES PRIOR TO CUSTOMER RETAIL DELIVERY AND WHENEVER AN AFFECTED VEHICLE IS IN THE SHOP FOR ANY MAINTENANCE OR REPAIR.

IMPORTANT: WHEN A VEHICLE ARRIVES AT THE SERVICE DEPARTMENT, ACCESS HYUNDAI MOTOR AMERICA'S "WARRANTY VEHICLE INFORMATION" SCREEN VIA DCS ON-LINE/WEBDCS TO IDENTIFY OPEN CAMPAIGNS.

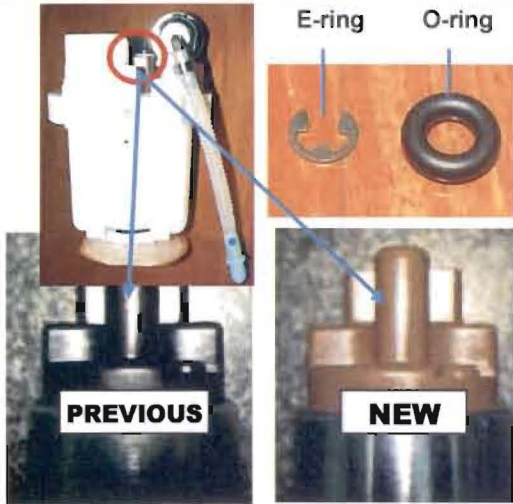
DESCRIPTION:

On some Elantra vehicles, the fuel pump may not operate properly.
 To correct this condition, follow the repair procedure outlined in this bulletin to replace the fuel pump subassembly with a new service part.

APPLICABLE VEHICLE:

Elantra vehicles produced from November 5, 2007 through June 28, 2008

PARTS REQUIRED:

PART NAME	PART NUMBER
<p>FUEL PUMP SUBASSEMBLY (Includes E-ring and O-ring)</p>	<p>31110-2H005 QQH</p>  <p>The diagram illustrates the fuel pump subassembly. A top view shows the white plastic upper body with a red circle around the connector area. Below it, two images compare the 'PREVIOUS' black connector and the 'NEW' brown connector. To the right, two separate images show the 'E-ring' and 'O-ring' components with blue arrows pointing to their respective locations on the new connector.</p>
<p>NOTE</p>	<p>The color of the new fuel pump upper body connector change: BLACK → BROWN</p>

SERVICE PROCEDURE:

NOTE: Prior to performing the following procedure, prevent unnecessary soiling of the vehicle interior by ensuring that all tools, materials, and hands are clean of any dirt or oil.

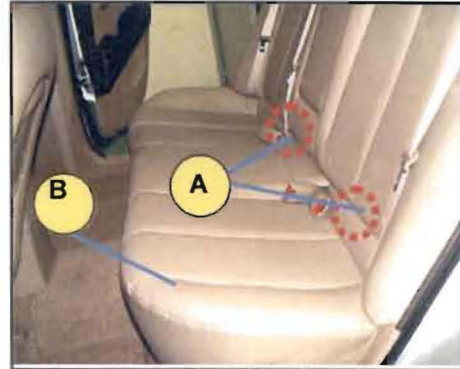
1. Record radio preset settings. (The battery will be disconnected later.)
2. Slide and tilt both front seats forward to provide more working space at the rear passenger seat area.



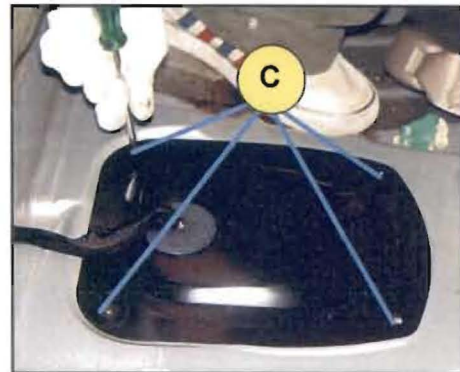
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3. Remove the two 12mm rear seat cushion mounting bolts (A) and then remove the rear seat cushion assembly (B).

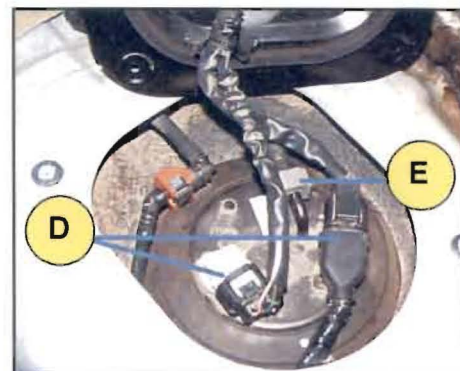


4. Unfasten the 4 fuel pump service cover mounting screws (C).

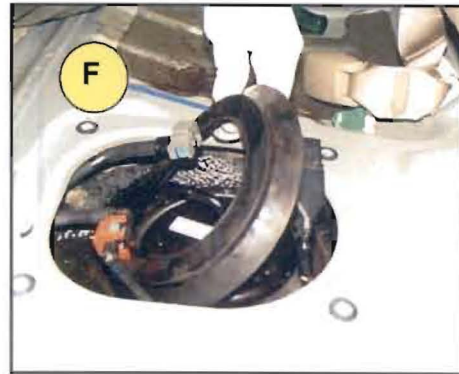


5. Disconnect the fuel pump wiring connector (D).
6. Start the engine and wait until fuel in the fuel line is exhausted.
7. After the engine stalls, turn the ignition to OFF position and disconnect the negative (-) terminal from the battery.
8. Disconnect the fuel hose quick connector (E).

NOTE: Be sure to reduce the fuel pressure before disconnecting the fuel feed hose, otherwise fuel will spill out. Some fuel may still remain in the fuel line, so cover that area with a shop towel while separating the fuel hose quick connector (E).

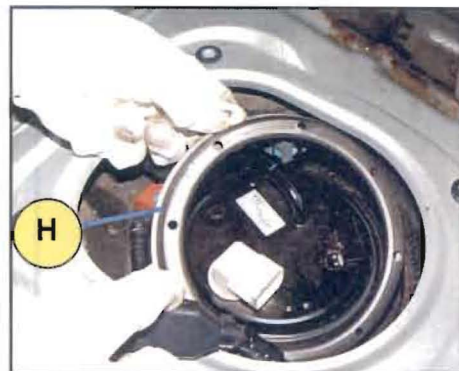
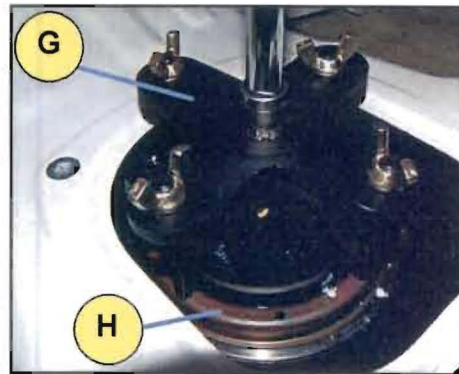


9. Remove the rubber cover (F).



10. Using SST (G), unscrew the fuel pump plate cover (H) and remove the fuel pump plate cover.

NOTE: SST # J-48889 (P/N 09310-2B200)



11. Remove the fuel pump assembly from the fuel tank.

NOTE: Allow some of the contained fuel within the fuel pump complete assembly to drain back into the tank by tilting it above the access opening for several seconds as shown. Before lifting away completely, take precaution so that the fuel sender float arm does not interfere with the fuel tank opening.





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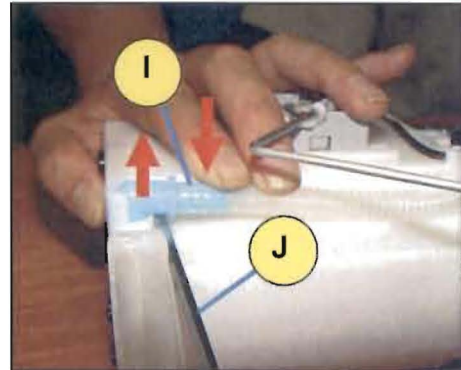
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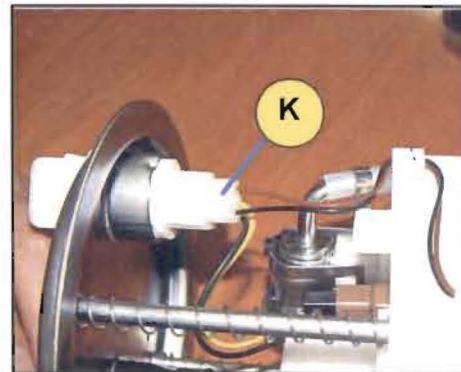
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12. With the fuel pump assembly placed on a workbench, undo the hook by pressing the return hose (I) and remove the return hose by prying up with a flat head screwdriver (J).

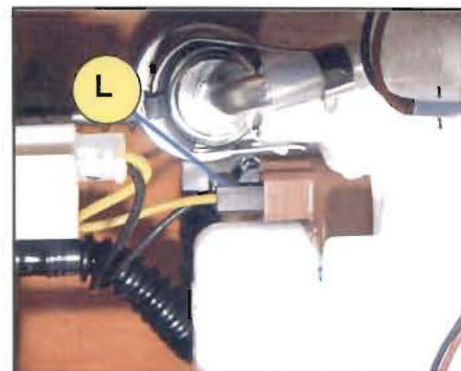


13. Disconnect the fuel sender wiring connector (K).

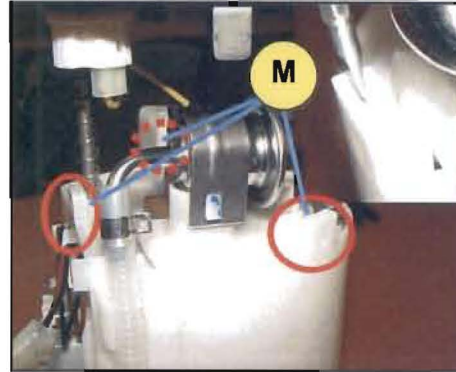
NOTE: Pull on the inside connector while the lock tab is slightly released with a small flat screwdriver. Do not pull on the wire.



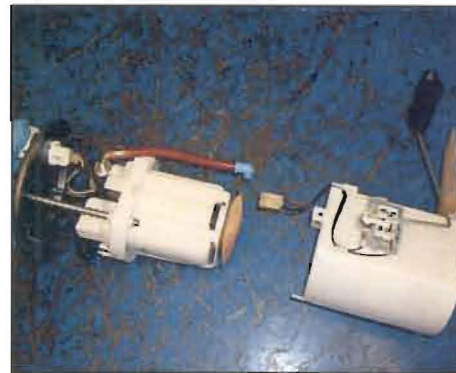
14. Disconnect the fuel pump wiring connector (L) from the fuel pump upper body.



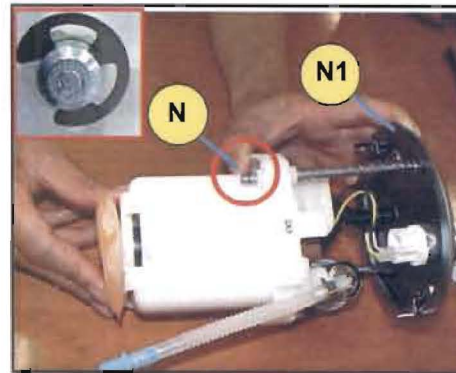
15. Release the 3 lock tabs (M) of fuel pump lower reservoir by using a flat head screwdriver.



16. Separate the lower reservoir from the fuel pump assembly



17. Remove the E-ring (N), and then remove the fuel pump plate (N1) from the fuel pump subassembly.





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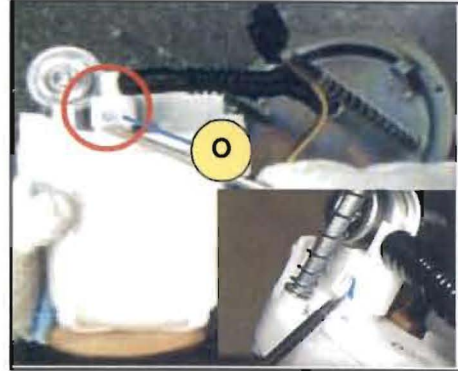
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18. Release the 3 lock tabs of the output hose coupling (O) by using a flat head screwdriver and disconnect from the fuel pump.



19. Remove the O-ring from the output hose coupling and install the new supplied O-ring.



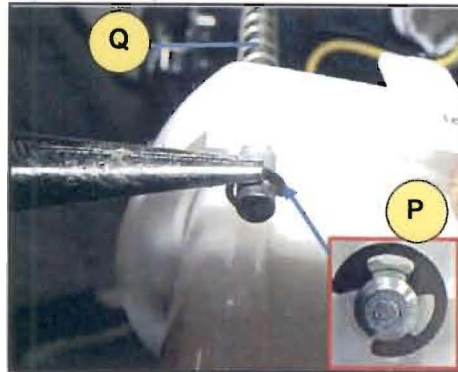
20. Install the output hose coupling and the fuel pump plate to the new fuel pump subassembly.

NOTE: Firmly attach the output hose coupling to the fuel filter body and check that all 3 lock tabs are secure.



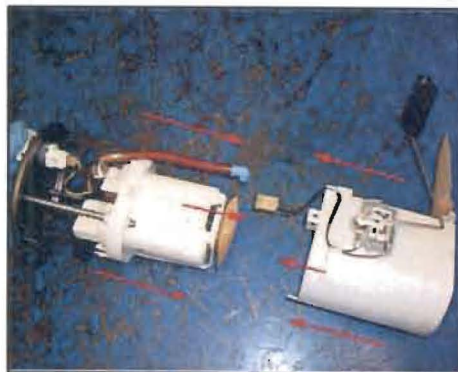
21. Reinstall the E-ring (P) to the fuel pump plate stay (Q) as shown.

NOTE: Parts Kit includes a spare E-ring, but only one E-ring needs to be installed.



22. Reattach the lower reservoir to the installed new subassembly.

NOTE: Be sure that the 3 lock tabs of lower reservoir are firmly secured to the fuel pump subassembly.



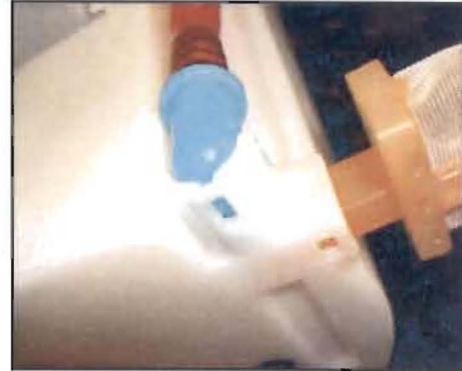


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23. Attach the return hose to the bottom of the lower reservoir.

NOTE: The blue elbow fitting must “click” into the retainer of the lower reservoir.



24. Reconnect the fuel sender wiring connector.

NOTE: Push in the connector fully until it “clicks” into the lock tab.



25. Reconnect the fuel pump wiring connector to the fuel pump upper body.

NOTE: Push in the connector fully until it “clicks” into the lock tab.



26. Carefully insert the reworked fuel pump complete assembly into the fuel tank access opening.

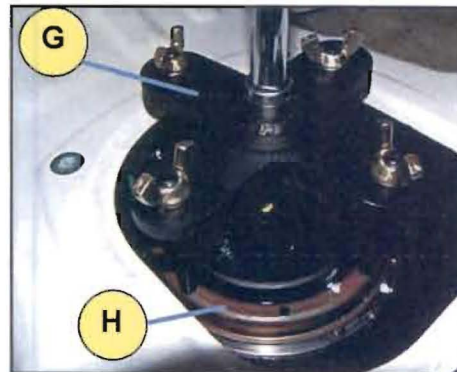
NOTE: Tilt down the assembly so that the end of the float arm and inlet screen can first clear the opening during installation.



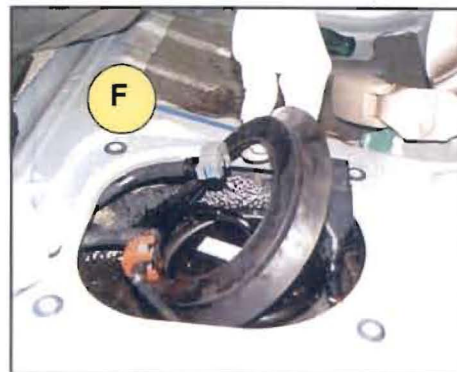
NOTE: Provide clearance between the fuel tank opening and the return hose to prevent damage during installation.



27. Reinstall the fuel pump plate cover (H) and tighten it down fully using the SSTJ-48889 (G).



28. Reinstall the rubber cover (F).



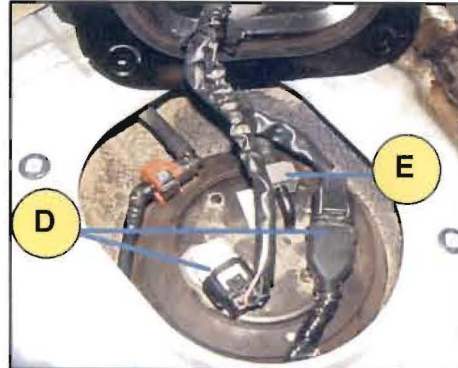


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29. Reconnect the fuel pump wiring connector (D) and the fuel hose quick connector (E)

NOTE: Push in all the connectors fully until it "clicks" into the lock tab.



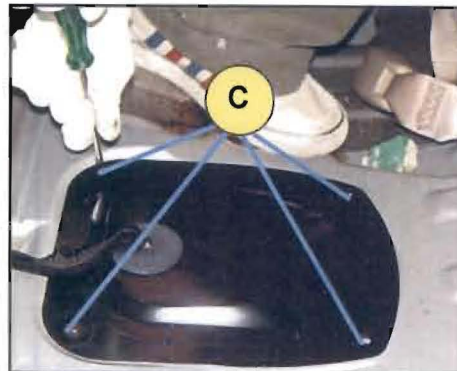
NOTE: Once fully reconnected, be sure to slide the collars of the quick connectors to the lock position.



NOTE: The rear connector body must be attached to the holding bracket tab of the fuel pump top plate.



30. Reconnect the negative (-) terminal of the battery.
31. Cycle the ignition from OFF to ON (with several seconds in between) 2 or 3 times to prime the fuel pump.
32. Briefly start the engine to check for any leaks.
33. Reattach the fuel pump service cover (C) with the 4 mounting screws.



34. With clean hands and tools, reinstall the rear seat cushion assembly (B) and mounting bolts (A).



35. Reprogram radio presets and set clock.
36. Verify repair.



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CAMPAIGN CLAIM INFORMATION:

OP CODE	OPERATION	OP TIME
81B028R1	FUEL PUMP SUB ASSEMBLY REPLACEMENT	0.5 M/H

NOTES:

1. Submit claim using the campaign claim screen
2. Old Fuel Pump Sub Assemblies may be discarded once the Campaign Claim has been submitted by dealer and approved by Hyundai Motor America.
3. Service Campaign T57 has been deactivated effective for Repair Orders dated September 8, 2008 and later.