



HYUNDAI DE PUERTO RICO
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Monday, December 29, 2008

Mr. Daniel Smith
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590

**08V-694
(10 pages)**

RE: Defect Information Report

Dear Mr. Smith:

In pursuant to Part 573 of Title 49 of the Code of Federal Regulations, Hyundai de Puerto Rico, Inc. (HPR) hereby submits information concerning a recall that is being voluntarily initiated. Specific information as required by Section 573.6 is as follows:

573.6(c)(1)

Manufacturer -Hyundai Motor Company

Distributor -Hyundai de Puerto Rico

573.6(c)(2)

Certain model year 2008 Hyundai Elantra vehicles with 2.0 liter Beta engines produced beginning November 5, 2007 through June 28, 2008 and equipped with fuel pumps manufactured with upper body components from a different supplier than those manufactured prior to November 5, 2007.

573.6(c)(3)

Approximately 347 Model/Year 2008 Hyundai Elantra vehicles with 2.0 liter Beta engines produced beginning November 5, 2007 through June 28, 2008 and equipped with fuel pumps manufactured with upper body components from a different supplier than those manufactured prior to November 5, 2007.

573.6(c)(4)

All of the vehicles identified above in 573.6(c)(2) are potentially affected.

RECEIVED

2008 DEC 29 10:35 AM

DEFECTS INVESTIGATION
RECALL MGMT DIV.

573.6(c)(5)

On November 5, 2007, Hyundai began to equip 2008 model year Elantra production with fuel pumps made by Hyundam with upper body components manufactured by a different supplier than those manufactured prior to November 5, 2007.

The new supplier's upper body components had incorrect dimensional characteristics. The incorrect dimensional characteristics of the upper body resulted in misalignment of the armature shaft, which caused some of the fuel pumps to experience poor brush-to-commutator contact conditions.

The use of ethanol blend fuel, containing up to 10 percent ethanol, causes a film build-up that creates a high resistance between the brush and commutator. The misaligned armature shaft prevents the brush and commutator from making sufficient contact to overcome the high resistance film build-up between the brush and the commutator. As a result, the fuel pump may produce less pumping pressure than required to supply the fuel injection system. Poor engine starting and hesitation may result from this fuel pump condition. Other engine performance issues may also result and may lead to a crash.

Warranty trends did not showed high tendencies of fuel pump subassembly replacements for Elantra vehicles with 2.0 liter Beta engines produced beginning November 5, 2007 through June 28, 2008.

573.6(c)(6)

On June 28, 2008, Hyundai Motor Company changed the fuel pumps installed during production from the pumps manufactured with the new supplier's upper body components to pumps manufactured with the original supplier's upper body components, which have correct dimensional characteristics. Similar fuel pumps manufactured with the original supplier's upper body components had been installed in 2007 and 2008 Elantra's prior to the change to the upper body supplier and did not experience the poor brush and commutator contact condition or adverse operation as a result of the ethanol content of fuels.

These upper body component changes, the unreliable fuel pressure delivery with the different supplier's upper body, and the increasing number of warranty claims generated by fuel pump replacements in the field led Hyundai to determine that a safety related defect exists in the Hyundam fuel pumps manufactured with the new supplier's upper body components. Hyundai de Puerto Rico is not aware of any injuries related to the fuel pump installed in vehicles identified above in 573.6(c)(2).

573.6(c)(7)

Not applicable.

573.6(c)(8)

Hyundai de Puerto Rico will notify all owners of 2008 Hyundai Elantra vehicles produced beginning November 5, 2007 through June 28, 2008 to return their vehicles to their Hyundai dealer to

have the fuel pump subassembly that contains a fuel pump manufactured with the new supplier's upper body replaced with one containing a fuel pump manufactured with the original supplier's upper body.

Hyundai anticipates that owners will be notified in one mailing during February 2009, after a sufficient quantity of replacement fuel pump subassemblies have become available to allow notifications to begin.

Repair or other service to the fuel pump of all vehicles affected by this recall would have been covered for 5 years or 60,000 miles under Hyundai's new vehicle limited warranty. As no owners of these 2008 model year vehicles would have incurred expenses for this warranted repair as a result of this condition. Hyundai believes that it is not necessary, but will notify customers to contact Hyundai de Puerto Rico for instructions on advice for reimbursement regarding section 577.11.


573.6(c)(10)

A draft of the owner notification letter and the technical service (safety recall) bulletin containing the service procedure for replacing the fuel pump sub assembly are included as attachment in this document.

573.6(c)(11)

Hyundai has assigned "Campaign 086" as the designation for this campaign.

If you have question regarding, please contact me at one of the points listed below.

Sincerely,

Jorge A Viera Tirado
Service Engineer, HPR
Phone: 787-251-8715 x-2248
Fax: 787-251-3232
Email: jviera@mmsc.com

Attachments (2): Customer Notification Letter,
Technical Service Bulletin

Copy: J. Rivera, HPR Service Director
J. Belk, Esq.

AFFECTED VEHICLES:
2008 ELANTRA



HYUNDAI DE PUERTO RICO
Box 192216
San Juan, PR, 00919-2216

Date:

CODE

CUSTOMER
ADDRESS1
ADDRESS2
ADDRESS3

DRAFT

RE : IMPORTANT SAFETY RECALL NOTIFICATION
(Fuel Pump Subassembly Replacement - Recall No. 0XV-xxx)

VIN : VIN

Dear 2008 Elantra Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Hyundai has decided that a defect, which relates to motor vehicle safety, exists in certain model year 2008 Hyundai Elantra vehicles that were produced during the period beginning November 5, 2007 through June 28, 2008.

What is the problem?

The fuel pump motor may not have the proper, uniform internal electrical surface contact. This may cause the fuel pump to produce less pumping pressure than required to supply the fuel injection system. As result, poor engine starting and hesitation may result. Other engine performance issues may also result and lead to a crash.

What will Hyundai do?

To ensure that your vehicle's fuel pump operates properly, we are asking you to schedule an appointment as soon as possible to take your vehicle to your Hyundai dealer. The Hyundai dealer will replace your vehicle's fuel pump subassembly. This procedure will be performed at no charge to you. The time needed for the actual repair is approximately half an hour, but you should plan to leave your vehicle at your Hyundai dealer to have this service performed. Repair times will vary and depend on your dealer's appointment schedule.

What should you do?

We urge you to call your Hyundai dealer to schedule an appointment to have this work performed as soon as possible.

If you have already encountered the problem described above and you have paid for the repairs, please call Hyundai of Puerto Rico at 1-800-981-0188 for counsel on a possible reimbursement.

What if you have other questions?

If you have any difficulty having this repair performed, we recommend that you call the Hyundai of Puerto Rico Customer Service at 1-800-981-0188. If you are still not satisfied that we have remedied this situation without charge, and within a reasonable amount of time, you may wish to write to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S. W., Washington, D.C. 20590, or call their toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1- 800-424-9153), or go to the web site <http://www.safercar.gov>.

We urge your prompt attention to this safety matter.

Hyundai of Puerto Rico



HYUNDAI

Boletín Técnico de Servicio

Modelo Elantra 2008 (HD)
 Grupo SISTEMA DE COMBUSTIBLE (14)
 Número HRE08-14-P910-HD
 Fecha NOV. 25, 2008
 Área Puerto Rico

Asunto

REPLAZO DEL SUBCONJUNTO DE LA BOMBA DE COMBUSTIBLE

1. Description

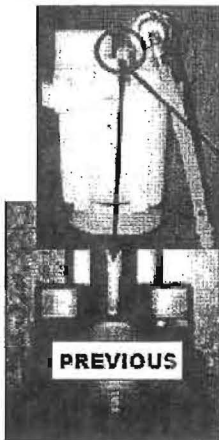
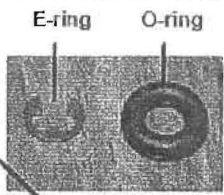

- Symptom / Condition
On some Elantra (HD) vehicles, the fuel pump may not operate.
- Countermeasure
Replace the fuel pump sub assembly with new one to repair this condition.

2. Applicable Vehicles

- Model : ELANTRA (HD)
- Applicable vehicle production date range: From Nov. 5, 2007 to June 25, 2008
- Applicable vehicle VIN range : From KMH DU46D18U381476 to KMH DU46D38U538831
- Area : Guam, Puerto Rico

3. Parts Information

■ PARTS REQUIRED

PART NAME	PART NUMBER		REMARK
	PREVIOUS	NEW	
Fuel Pump Sub Assembly (Including O-ring and E-ring)	-	31110-2H005QQH	Color of wiring connector: Black→Brown
		 	

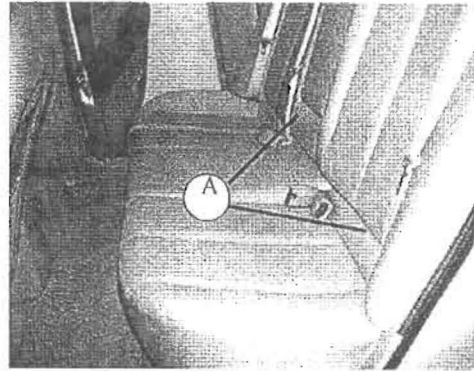
4. Operation Code And Time

OP CODE	OPERATION	OP TIME	NATURE	CAUSE
81B028R1	FUEL PUMP SUB ASSEMBLY REPALCEMENT	0.5 M/H	*N06	**C23

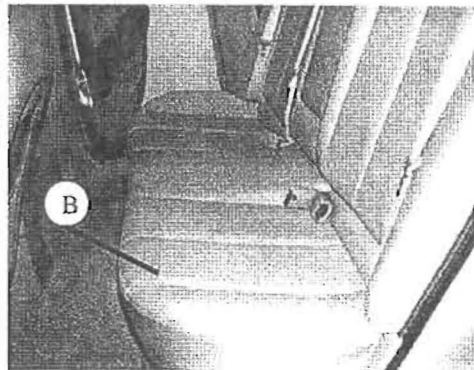
*N06 : ENGINE STALLING
**C23 : IMPROPER MACHINING

5. Service Procedure

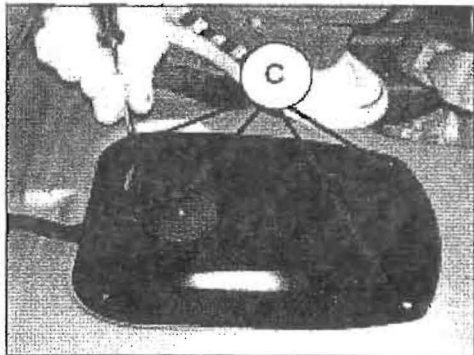
1. Remove the 2 rear seat cushion mounting bolts (A).



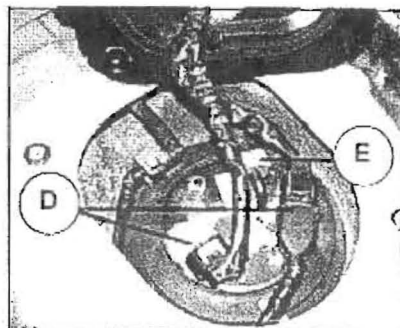
2. Remove the rear seat cushion assembly (B).



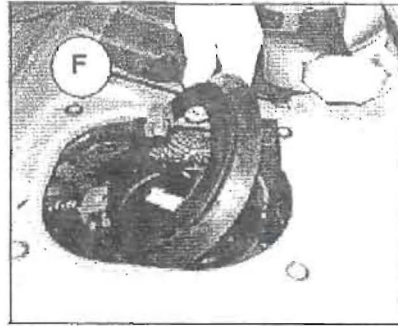
3. Unfasten the 4 fuel pump service cover mounting screws (C).



4. Disconnect the fuel pump wiring connector and the fuel hose quick connector (E).

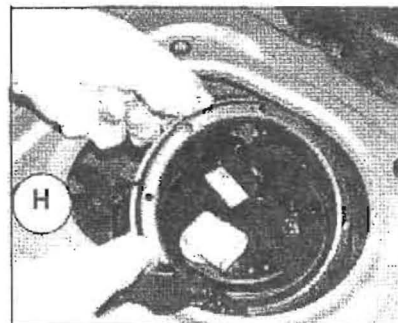
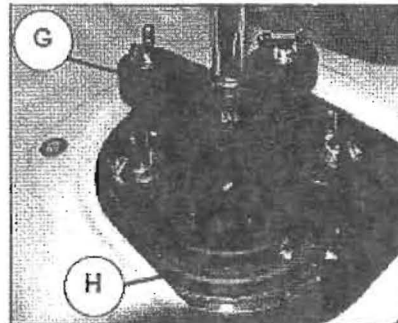


5. Remove the rubber cover (F).

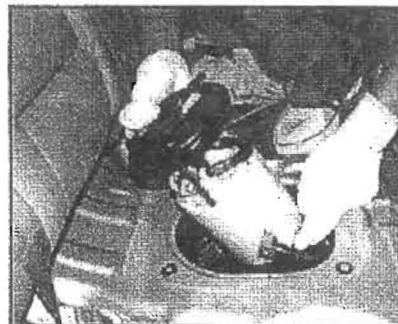


6. Using SST (G), unscrew the fuel pump plate cover (H) and remove the fuel pump plate cover.

SST no.: 09310-2B200



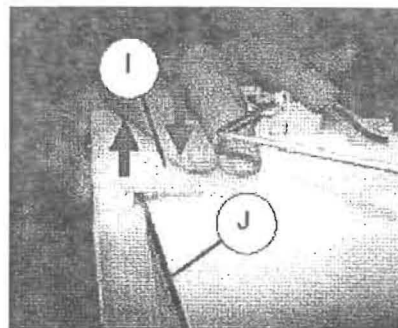
7. Remove the fuel pump complete assembly from the fuel tank.



8. Undo the hook by pressing the return hose (I) and remove the return hose by prying up with a flat head screwdriver (J).

Caution:

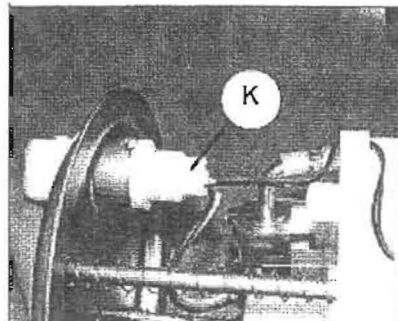
Care not to damage the fuel sender.



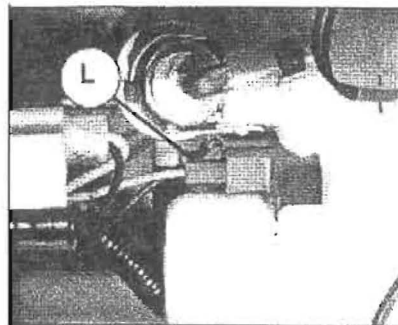
9. Disconnect the fuel sender wiring connector (K).

Caution:

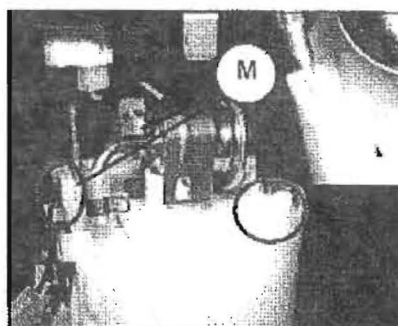
Make sure to pull the connector, not the wire when disconnecting.



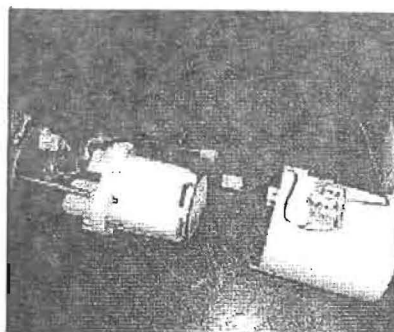
10. Disconnect the fuel pump wiring connector (L).



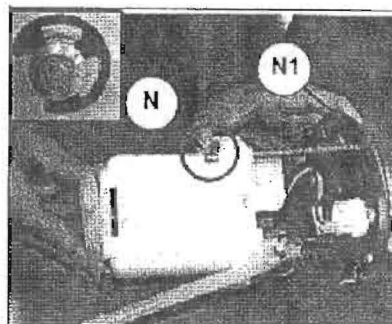
11. Release the 3 lock keys (M) of fuel pump reservoir by using a flat head screwdriver.



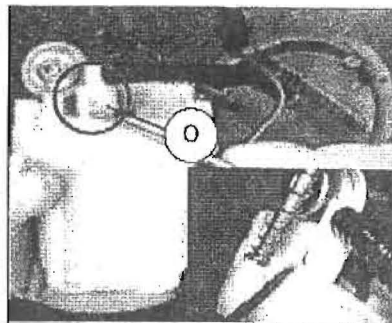
12. Take out the fuel pump from the reservoir.



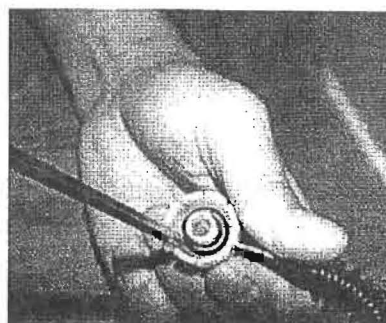
13. Remove the E-ring (N), and then remove the fuel pump plate (N1) from the fuel pump.

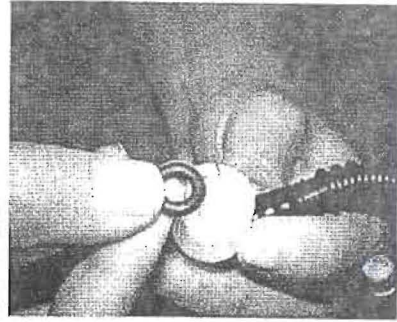


14. Release the 3 lock keys of the upper cap (O) by using a flat head screwdriver and remove the upper cap from the fuel pump. Discard the fuel pump sub assembly.

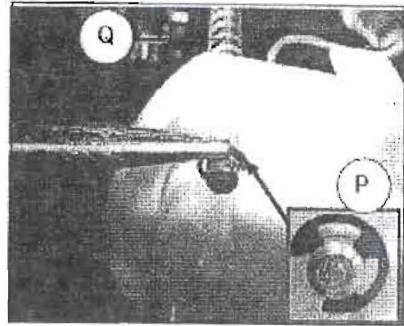


15. Remove the O-ring from the upper cap and install the new O-ring into the upper cap.

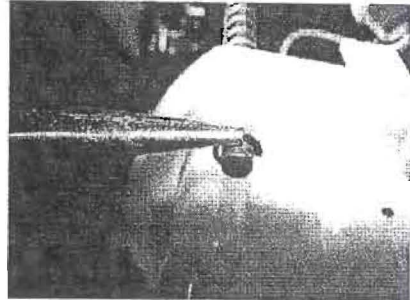




16. Install the upper cap and the fuel pump plate to the new fuel pump sub assembly in reverse order of removal.



17. Install the new E-ring (P) to the fuel pump plate stay (Q) as shown on the photo.



18. Install the fuel pump assembly in reverse order of removal.

