

RECEIVED  
2008 AUGUST 25 - 11:30 AM  
OFFICE OF RECALL  
MANAGEMENT DIVISION



August 19, 2008

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



08V-429  
(4 Pages)

RE: Defect Information Report

Dear Mr. Smith:

Pursuant to Part 573 of Title 49 of the Code of Federal Regulations, Hyundai America Technical Center is submitting 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 Motor America

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 65,000 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.

**Hyundai-Kia America Technical Center Inc.**  
**6800 Geddes Road, Superior Township, MI 48198**  
**TEL: 734-337-9499 FAX: 734-483-5919**  
[www.hatci.com](http://www.hatci.com)

**Hyundai-Kia America Technical Center, Inc**

573.6(c)(4)

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

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. This condition has led to increased fuel pump replacements under warranty during 2008 as additional quantities of 2008 model year vehicles equipped with fuel pumps with the new supplier's upper body components were introduced and operated in the field.

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.

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 Elantras 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 is not aware of any injuries related to the fuel pump installed in vehicles identified above in 573.6(c)(2).

573.6(c)(8)

Hyundai Motor America 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

**Hyundai-Kia America Technical Center, Inc**

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 three mailings during September, 2008, 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, and should not be required, to provide notification regarding reimbursement under section 577.11.

573.6(c)(10)

The Technical Service Bulletin containing the service procedure for replacing the fuel pump subassembly will be provided to NHTSA when available. Other relevant communications will also be forwarded when they are available.

573.6(c)(11)

A draft of the owner notification letter is attached.

573.6(c)(12)

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

Sincerely,



Robert Babcock  
Senior Manager, Regulation and Certification Department

Attachment

# DRAFT - MOTOR VEHICLE RECALL

Dear 2008 Elantra Owner:

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

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.

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

## **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. Poor engine starting and hesitation may result. Other engine performance issues may also result and may 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. 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.

## **What if you have other questions?**

- If you have any difficulty having this repair performed, we recommend that you call the Hyundai Customer Assistance Center at 1-800-633-5151. 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, 1200 New Jersey Avenue, SE, 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 <http://www.safercar.gov>.

We urge your prompt attention to this important safety matter.

Hyundai Motor America