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NVS-010



**HYUNDAI·KIA MOTORS**

2005 NOV -2 P 1: 28

November 1, 2005

OFFICE OF VEHICLE SAFETY  
INVESTIGATION

Mr. Ronald Medford  
Senior Associate Administrator for Safety  
Office of Vehicle Safety (NVS-010)  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

RE: Recall Number 05V-395 Defect Information Report (additional information)  
(Hyundai Campaign 073)

Dear Mr. Medford:

Hyundai Motor Company previously submitted a Defect Information Report to NHTSA regarding a recall campaign of approximately 240,000 model year 2004 and 2005 Hyundai Elantra vehicles produced beginning June 12, 2003 through September 9, 2005 (NHTSA Recall Number 05V-395) pursuant to Part 573 of Title 49 of the Code of Federal Regulations. The affected vehicle quantity has been revised to 231,160 vehicles. Dealers were notified of the recall on October 25, 2005 and owner notification will be completed in twelve mailings beginning on October 31, 2005 and ending on January 16, 2006.

Enclosed for NHTSA's files are final copies of the Technical Service Bulletin, owner notification letter and dealer notification letters.

Sincerely,

A handwritten signature in black ink that reads "Robert Babcock".

Robert Babcock  
Manager, Certification and Compliance Issues

Attachments: 6

**HYUNDAI·KIA MOTORS**  
**Hyundai-Kia America Technical Center Inc.**  
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# HYUNDAI Technical Service Bulletin

		Group CAMPAIGN	
		Number 05-01-010	
Subject <b>OCCUPANT CLASSIFICATION SYSTEM (OCS) SMART BUFFER FEATURE REMOVAL REPROGRAMMING - CAMPAIGN 073</b>		Date OCTOBER, 2005	
		Model 2004-2005 ELANTRA	
<b>CIRCULATE TO:</b>	<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

**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 INTERACTIVE OR DCS ON-LINE TO IDENTIFY OPEN CAMPAIGNS.**

**DESCRIPTION:**

In certain situations, the Occupant Classification System (OCS) installed in the right front seat of a 2004 or 2005 Elantra may misclassify a Child Restraint Seat (CRS) as an adult. This may occur if the CRS is installed after an adult has been seated in the right front seat, if there has not been a key ON - key OFF cycle with the right front passenger seat empty prior to installation of the CRS.

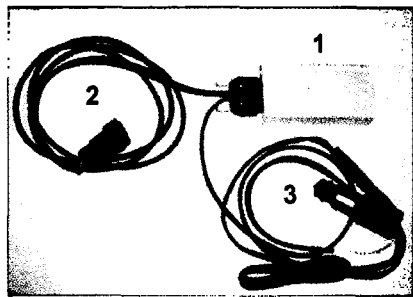
This bulletin provides the procedures to use the OCS reprogramming tool to reprogram the vehicle's OCS Electronic Control Unit (ECU) to remove the feature that may cause the CRS to be recognized as an adult.

**VEHICLES AFFECTED:**

- Model: 2004-2005 ELANTRA vehicles
- Affected vehicle production date range: June 12, 2003 through September 9, 2005

## TOOLS REQUIRED:

One initial OCS reprogramming tool will be provided to your dealership free of charge to perform this campaign. Replacement tools will be available mid November, 2005, through your facing Parts Distribution Center (PDC) at a cost of \$299.00.

PART NAME	PART NUMBER	CONTENTS	PHOTO
OCS Reprogramming Tool	00305-CMP00-73	1. Reprogramming Box 2. OCS Cable 3. Power Adapter	

## SERVICE PROCEDURE:

### NOTE:

- Verify that the vehicle is affected by accessing Hyundai Motor America's "Warranty Vehicle Information" screen via DCS interactive or DCS on-line to identify an open 073 campaign on the vehicle.
- Be careful not to disconnect any cables connected to the vehicle or the tool during reprogramming.

1. Open the right front door.
2. Turn the ignition switch to the OFF position.

**CAUTION:** Do not turn the ignition switch to the "ON" position.



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3. Locate the OCS 3-pin connector under the front passenger seat pan and unplug the OCS connector by pushing on the locking tab and pulling the connector housing.



4. Connect the OCS cable to the vehicle's OCS connector under the front passenger seat.
5. Connect the power adapter to the cigarette lighter outlet.

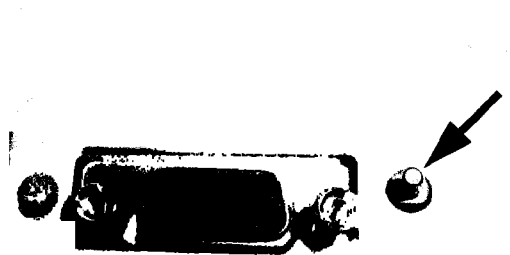


6. Turn the ignition switch to the "ACC" position. The LEDs on the reprogramming box will illuminate to verify that power is connected.

7. After the initialization phase (approximately 3 seconds), both LEDs - red and green - will be steadily illuminated, indicating that the box is ready to start the programming.



8. Press and release the black button on the back of the box to start the reprogramming.



9. The reprogramming takes approximately 10 seconds. During this time, both LED lights will blink alternately.
10. When the reprogramming is complete, the **GREEN** LED light will blink 4 times and then stay illuminated to indicate that the reprogramming has been successful.





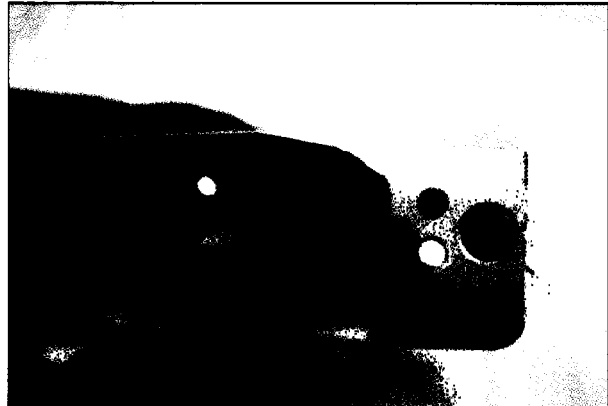
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11. If the **RED** LED light blinks 4 times and then stays illuminated, the reprogramming was unsuccessful.

Check the following:

- Verify proper connection of the reprogramming tool cable to the vehicle's OCS connector.
- The power supply (voltage) at the cigarette lighter outlet may be too low.



Check the two conditions above. Disconnect the power adapter from the cigarette lighter outlet and reconnect to reset the reprogramming tool. Start the reprogramming procedure again. Go to Step #6 after successful programming.

12. Turn the ignition to the OFF position.
13. Disconnect the reprogramming tool.
14. Reconnect the OCS connector under the right front passenger seat.
15. Check for diagnostic codes (DTC) using the Hi-Scan Pro. Erase all trouble codes.

### CAMPAIGN CLAIM INFORMATION:

OP CODE	OPERATION	OP TIME
51B040R0	OCS Reprogramming	0.2 M/H

**NOTE:** Submit claim using the Campaign Claim Screen.