



HYUNDAI Technical Service Bulletin

		Group	CAMPAIGN	
		Number	05-01-010	
Subject	OCCUPANT CLASSIFICATION SYSTEM (OCS) SMART BUFFER FEATURE REMOVAL REPROGRAMMING - CAMPAIGN 073		Date	OCTOBER, 2005
			Model	2004-2005 ELANTRA
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	

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.

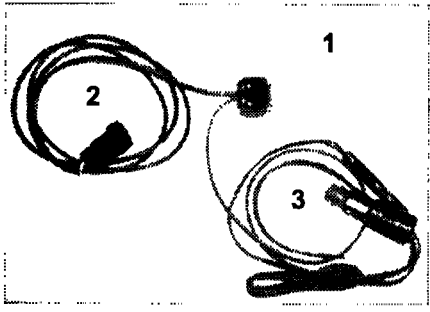
This bulletin provides the procedures to use the OCS reprogramming tool to reprogram the vehicle's OCS Electronic Control Unit (ECU) to remove the feature that may cause the CRS to be recognized as an adult.

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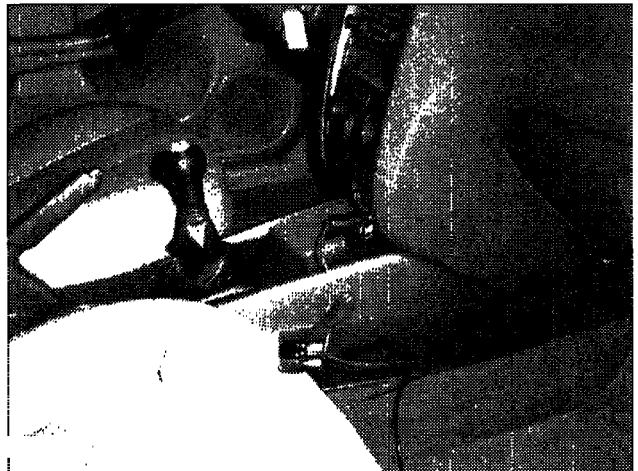
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3. Locate the OCS 3-pin connector under the front passenger seat pan and unplug the OCS connector by pushing on the locking tab and pulling the connector housing.

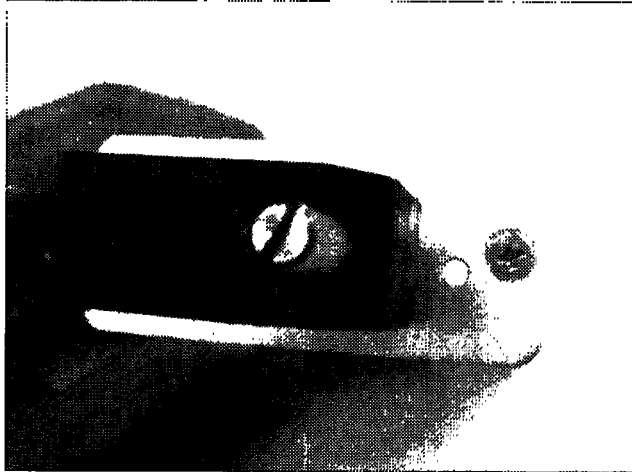


4. Connect the OCS cable to the vehicle's OCS connector under the front passenger seat.
5. Connect the power adapter to the cigarette lighter outlet.

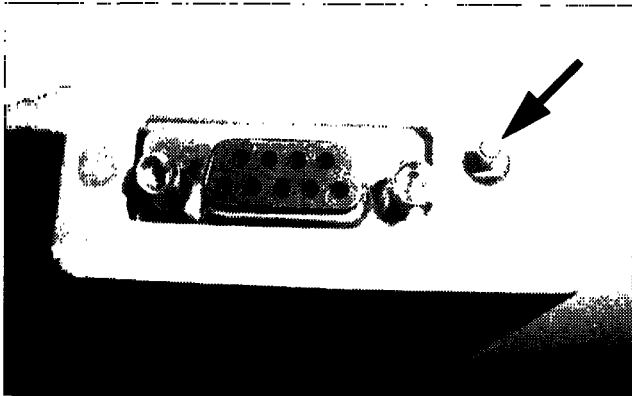


6. Turn the ignition switch to the "ACC" position. The LEDs on the reprogramming box will illuminate to verify that power is connected.

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.

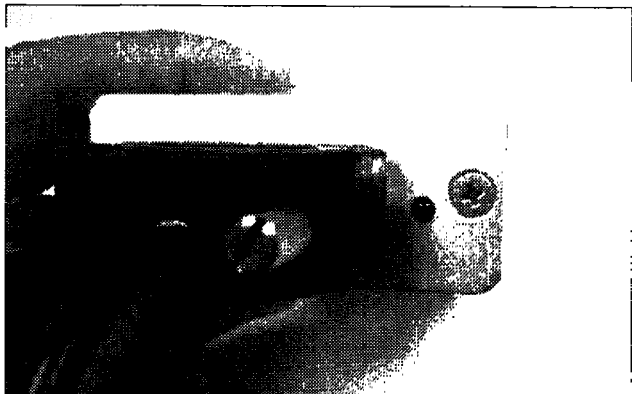


8. Press and release the black button on the back of the box to start the reprogramming.



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.





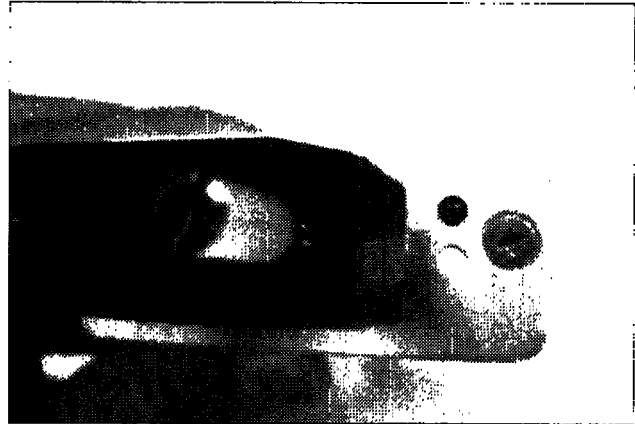
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11. If the **RED LED** light blinks 4 times and then stays illuminated, the reprogramming was unsuccessful.

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.