



HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	05-01-014
Date	NOVEMBER, 2005
Model	2005 SANTA FE

Subject
OCCUPANT CLASSIFICATION SYSTEM (OCS)
UPDATED ALGORITHM REPROGRAMMING -
CAMPAIGN 074

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

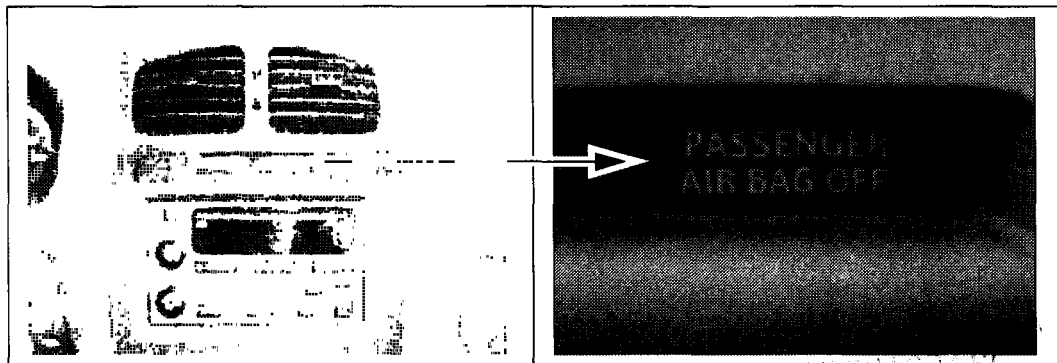
IMPORTANT: DEALERS MUST PERFORM THIS CAMPAIGN ON ALL AFFECTED VEHICLES PRIOR TO CUSTOMER RETAIL DELIVERY AND WHENEVER AN AFFECTED VEHICLE IS IN THE SHOP FOR ANY MAINTENANCE OR REPAIR.

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, certain small children may be misclassified as adults when seated in a position on the front edge of the seat.

This bulletin provides the procedures to use the OCS reprogramming tool to reprogram the vehicle's OCS Electronic Control Unit (ECU). The reprogramming replaces the original algorithm with an updated version that provides an increased margin for recognizing certain small children.



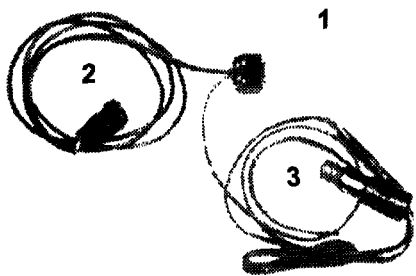
VEHICLES AFFECTED:

- Model: 2005 SANTA FE vehicles
- Affected vehicle production date range: August 9, 2004 through November 5, 2004

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 OFFICE OF OBJECTS

TOOLS REQUIRED:

One initial OCS reprogramming tool has already been provided to your dealership free of charge to perform campaign 073, which is also being used for campaign 074. Replacement tools are available 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 074 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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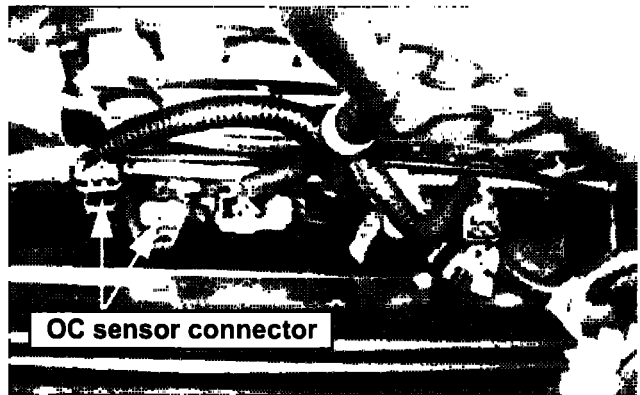
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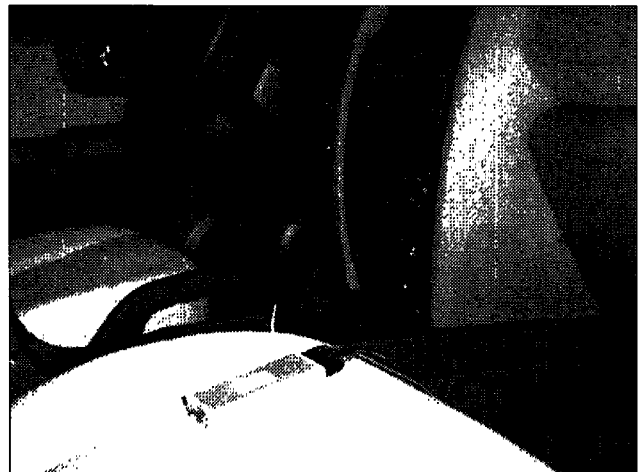
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3. Locate the OCS 3-pin connector under the front passenger seat pan and unplug the OCS connector by pushing on the locking tab and pulling the connector housing.

NOTE: For easier access to the OCS connector, slide seat all the way to the front.

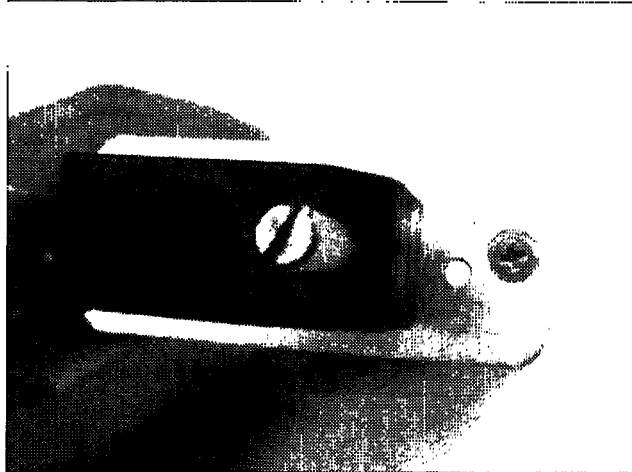


4. Connect the OCS cable to the vehicle's OCS connector under the front passenger seat.
5. Connect the power adapter to the cigarette lighter outlet.

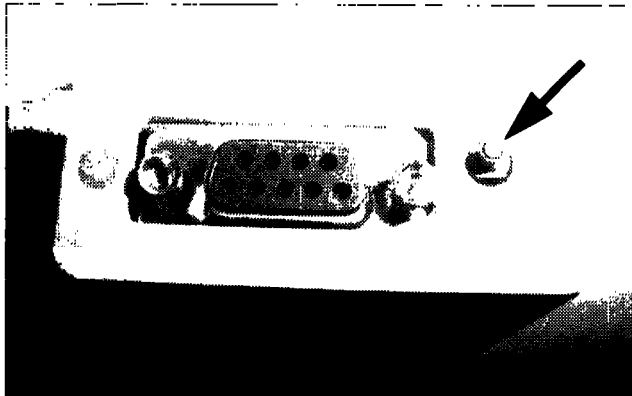


6. Turn the ignition switch to the "ACC" position. The LEDs on the reprogramming box will illuminate to verify that power is connected.

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.

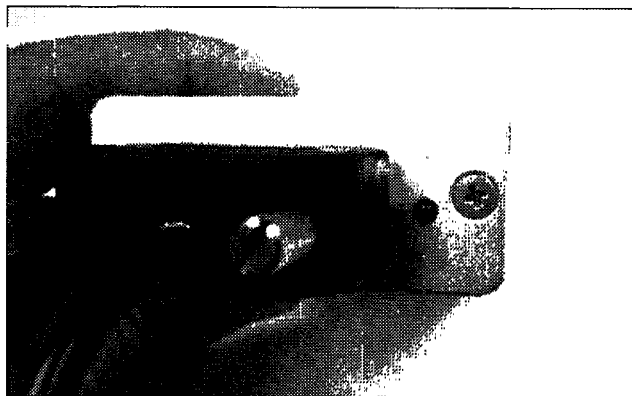


8. Press and release the black button on the back of the box to start the reprogramming.



9. The reprogramming takes approximately 1 minute. During this time, both LED lights will blink alternately and then steadily illuminate for approximately 5 seconds.

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.





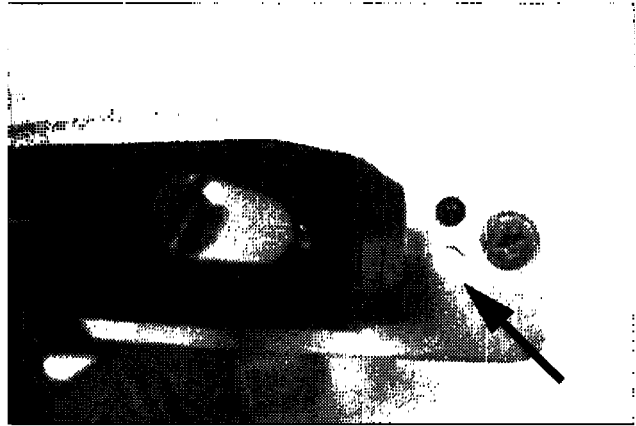
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11. If the **RED** LED light blinks 4 times and then stays illuminated, the reprogramming was unsuccessful.

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 beginning at Step #6.

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
51B047R0	OCS Reprogramming	0.2 M/H

NOTE: Submit claim using the Campaign Claim Screen.