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February 1, 2007

Mr. Daniel Smith  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

RE: Recall Number 06V-445 Defect Information Report (additional information)  
(Hyundai Campaign 079)

Dear Mr. Smith

Hyundai Motor Company previously submitted a Defect Information Report to NHTSA regarding a recall campaign of approximately 141,500 model year 2005-2007 Hyundai Tucson vehicles produced beginning on July 30, 2004 through November 1, 2006 (NHTSA Recall Number 06V-445) pursuant to Part 573 of Title 49 of the Code of Federal Regulations. The vehicle quantity affected by this recall campaign has been revised to 128,300 vehicles. Owner notification will be conducted in six mailings and began on January 29, 2007.

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: 7

**HYUNDAI · KIA MOTORS**  
**Hyundai-Kia America Technical Center Inc.**  
6800 Geddes Road, Superior Township, MI 48198  
TEL : 734-337-9499 FAX : 734-337-3168  
[www.hatci.com](http://www.hatci.com)

1/ALL      HMABSTXX      10/27/06      10/28/06      10/30/06  
TO:      Hyundai Dealership General Managers, Sales Managers, Service Managers,  
Parts Managers, and Warranty Administrators  
  
FROM:      Hyundai Motor America  
SUBJECT:      **Campaign 079 - 2005-2007 Tucson - Driver Airbag Replacement**

Hyundai Motor America will conduct a Driver Airbag Replacement Campaign on 2005-2007 model year Tucson vehicles produced through November 1, 2006 to increase the margin for compliance in NHTSA's low risk deployment test.

2005-2007 model year Tucson vehicles are equipped with an airbag system that meets the advanced airbag requirements of FMVSS 208. During a NHTSA evaluation of a 2006 model year Tucson, the test results demonstrated that the vehicle is in compliance with all FMVSS 208 requirements. However, the test results also indicated that there may be a need to increase the margin of compliance in one of the test positions.

To address NHTSA's test results, Hyundai will make available an increased margin of compliance to better accommodate variations made apparent during NHTSA's testing. Therefore, Hyundai Motor Company will incorporate a running change in production on November 2, 2006 to install a new design driver airbag module that provides an increased margin of compliance with the low risk deployment requirements of FMVSS 208. Hyundai Motor Company has also decided to conduct a recall in the United States to replace the driver airbag module of 2005-2007 model year Tucson vehicles produced through November 1, 2006 with the same new design that is being placed into production.

Time is required to produce a sufficient quantity of parts to conduct this campaign prior to owner notification. Hyundai anticipates that owner notification will begin on January 29, 2007 and will occur over a six week period. Prior to owner notification, a Technical Service Bulletin (TSB) will be provided for this campaign specifying the procedure to replace the driver airbag module.

If customers have questions pertaining to this campaign prior to owner notification and replacement parts availability, please assure them that the replacement procedure is intended to enhance the margin of compliance for low risk deployment with a small stature person who is not wearing a seat belt. To reduce the chance of injuries that may result while not wearing a seat belt, Hyundai strongly urges all vehicle occupants to always properly wear seat belts when driving or riding in a vehicle.

Attention: You are required to keep confidential any and all information and documents provided to you by Hyundai Motor America in the conduct of carrying out work for this campaign.

Hyundai appreciates your cooperation and support. Questions may be directed to your District Parts and Service Manager.

HYUNDAI MOTOR AMERICA

January 12,2007

**TO: ALL HYUNDAI DEALER PRINCIPALS/GENERAL MANAGERS:  
ALL HYUNDAI DEALERSHIP SERVICE MANAGERS:  
ALL HYUNDAI DEALERSHIP PARTS MANAGERS:  
ALL HYUNDAI DEALERSHIP SALES MANAGERS:**

**SUBJECT: Campaign 079 - 2005 - 2007 Tucson - Driver Airbag Cover Module Replacement**

Hyundai Motor America is conducting a Customer Notification Driver Airbag Cover Module Replacement Campaign on certain 2005 – 2007 Tucson vehicles produced through November 1,2006.

This campaign provides a procedure to install a new design driver airbag cover module that provides an increased margin of compliance with the low risk deployment requirements of FMVSS 208.

In order to identify only those vehicles affected by Campaign 079, it will be necessary to access Hyundai Motor America's "Warranty Vehicle Information" screen via DCS On-line before replacing the airbag cover module. The "Warranty Vehicle Information" screen will identify affected vehicles with an open Campaign 079. All in-stock vehicles, if any, must have Campaign 079 completed prior to retailing.

Enclosed with the Service Manager's letter are materials. which were developed for your use: Dealer Letter. five (5) copies of the Technical Service Bulletin (TSB#07-01-001) containing instructions on performing the service and submitting the campaign claim. and a VIN listing of your dealer stock vehicles only. An updated VIN listing of dealer stock **and** your retail customers affected by this campaign, as well as the Customer Notification letter, will be sent to you the week of January 29, 2007. TSB #07-01-001 will be available on Hyundai's Website on January 12, 2007.

**All Hyundai dealers will be shipped parts for 100% of their in-stock vehicles starting January 11, 2007. It is not necessary to order parts for in-stock vehicles.** We are asking dealers to place additional orders for parts from their facing PDC once their parts inventory has been *sufficiently depleted*

Customer notification letters will be mailed to all affected customers starting the week of January 29, 2007 and will continue in weekly flights until all letters have been sent.

It is IMPORTANT TO SUBMIT A CAMPAIGN CLAIM FOR EACH VEHICLE SERVICED so your dealership can be compensated for your work and Hyundai can maintain accurate records of campaign completions.

LEGAL LIABILITY NOTICE: You are required to keep confidential any and all information and documents provided to you by Hyundai Motor America in the conduct of carrying out work for this service campaign. Hyundai Motor America dealers may use owner information provided for the campaign only for the purpose of conducting and performing this service campaign, and for no other purpose.

Hyundai appreciates your cooperation and support. Questions may be directed to your District Parts and Service Manager or Warranty HELPREP line at 1-877-446-2922.

HYUNDAI MOTOR AMERICA

January 29, 2007

**TO: ALL HYUNDAI DEALERSHIP SERVICE MANAGERS:**

**SUBJECT: Campaign 079 - 2005 - 2007 Tucson - Driver Airbag Cover Module Replacement - VIN Listing identifying both Dealer Stock and Retail Vehicles**

On January 12, 2007, Hyundai Motor America notified all dealerships regarding conducting a Customer Notification Driver Airbag Cover Module Replacement Campaign on certain 2005 - 2007 Tucson vehicles produced through November 1, 2006.

Enclosed with the Service Manager's package were materials developed for Campaign 079: Dealer Letter, five (5) copies of the Technical Service Bulletin (TSB#07-01-001) containing instructions on performing the service and submitting the campaign claim, and a VIN listing of your dealer stock vehicles only. At this time we are providing you with an updated VIN Listing of **YOUR ENTIRE** dealer stock and retail vehicles affected by this campaign.

**All Hyundai dealers were shipped parts for 100% of their in-stock vehicles starting January 11, 2007. It is not necessary to order parts for in-stock vehicles.** We are asking dealers to place additional orders for parts from their facing PDC once their parts inventory has been *sufficiently depleted*.

Customer notification letters will be mailed to all affected customers starting the week of January 29, 2007 and will continue in weekly flights until all letters have been sent.

As reminder, in order to identify only those vehicles affected by Campaign 079, it will be necessary to access Hyundai Motor America's "Warranty Vehicle Information" screen via DCS On-line before replacing the airbag cover module. The "Warranty Vehicle Information" screen will identify affected vehicles with an open Campaign 079.

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HYUNDAI MOTOR AMERICA

# MOTOR VEHICLE RECALL

Dear 2005-2007 Tucson 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 to conduct a motor vehicle safety recall of certain model year 2005, 2006 and 2007 Hyundai Tucson vehicles that were produced during the period beginning on July 30, 2004 through November 1, 2006.

## **What is the problem?**

- Static airbag deployment testing conducted by the National Highway Traffic Safety Administration using fifth percentile female dummies indicated if a small statured adult driver, not wearing a seat belt, is involved in a frontal or near frontal crash, deployment of the driver airbag may result in an insufficient margin of compliance as measured by the test dummy used in the NHTSA test. This can cause increased risk of injury to the driver under certain crash conditions.

## **What will Hyundai do?**

- 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 Tucson's driver airbag module with one that is designed to provide an increased margin of compliance for low risk deployment for small statured adults who are not properly wearing the seat belts. 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.

To reduce the chance of injuries that may result from airbag deployment while not wearing a seat belt, Hyundai strongly urges you to always properly wear your seat belt when driving your vehicle.

## **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, 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 <http://www.safercar.gov>.

We urge your prompt attention to this important safety matter.

Hyundai Motor America



# HYUNDAI Technical Service Bulletin

Group	ELECTRICAL
Number	07-01-001
Date	JANUARY, 2007
Model	TUCSON

Subject	TUCSON DRIVER AIR BAG COVER MODULE REPLACEMENT (CAMPAIGN 079)
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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 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:

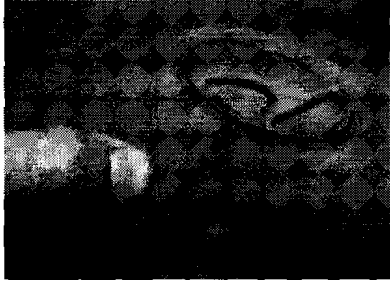

As of November 2, 2006 production, all Tucson vehicles have been equipped with a new design Driver Air Bag (DAB) cover module.

All previous TUCSON driver air bag (DAB) cover modules must be replaced.

## VEHICLES AFFECTED:

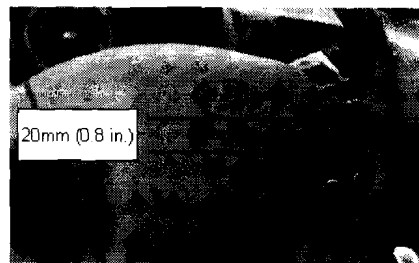
- Model: Tucson (JM)
- Affected vehicle production date range: All produced through November 1, 2006
- Affected VIN range: Produced through KM8JM12BX7U575346

## PARTS REQUIRED

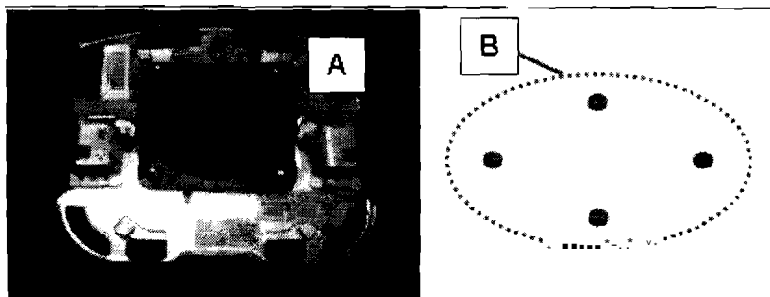
PART NAME Driver Air Bag (DAB) Cover Module	PART NUMBER	
	PREVIOUS	NEW
	"I" shaped depression when pressed	"T" shaped depression when pressed
		
	56900-2E100DD	56960-2E000DDQQH
	56900-2E100LM	56960-2E000LMQQH
	56900-2E100U7	56960-2E000U7QQH
	56900-2E100WK	56960-2E000WKQQH
	56900-2E100Z9	56960-2E000Z9QQH

### Important notes to remember before performing any work

1. Prior to performing any work, consult the Hyundai Warranty Database to determine if the vehicle is in the affected range and whether or not the procedure has already been performed.
2. To physically distinguish the 'NEW' DAB from the 'PREVIOUS' DAB, press the cover with both thumbs as shown above at a point approximately 20mm (0.8 inch) below the 'H' logo. Previous DAB module covers will show an 'I' shaped depression at the invisible tear seam, while the new DAB module will show a 'T' shaped depression. Please refer to the photos above and to the right.



3. The new DAB cover module includes the black plastic air bag inflator opening shipping protection cover (A) and four inflator mounting nuts (B) only. It does not include the inflator. Therefore, the existing inflator must be re-installed onto the new DAB cover module. Refer to the following Service Procedure.





# HYUNDAI Technical Service Bulletin

Group

ELECTRICAL

Number

07-01-001

## SERVICE PROCEDURE

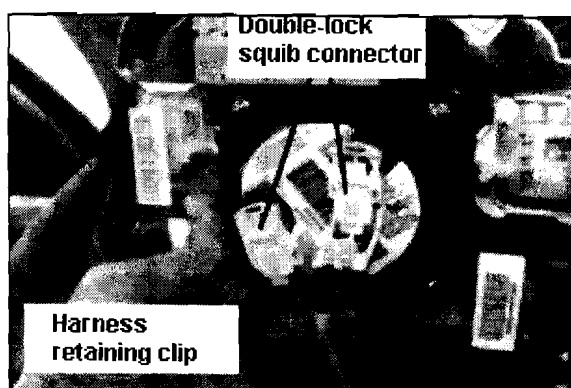
1. Remove the ignition key from the ignition cylinder.
2. Disconnect the negative (-) terminal of the battery. Wait at least 30 seconds after disconnecting the battery cable before proceeding.
3. Using a small flat blade screwdriver, remove the (2) covers from the left and right sides of the steering wheel. Take care not to scratch the covers and any of the surrounding trim.



4. Using a T40 Torx driver, remove the (2) driver air bag module mounting bolts.  
**Re-assembly tightening torque: 6 - 8 lb.ft.**



5. Release the squib wiring harness from the harness retaining clip.
  - a. Using a small flat blade screwdriver, release the locking tab of the squib connectors and remove the connectors from the inflator.



**Note that the connectors are both color coded and uniquely indexed to prevent cross-installation.**



6. Using an 8mm socket and driver, remove the (4) air bag inflator mounting nuts from the existing air bag module.

7. Remove the existing air bag inflator and save it for transfer to the new air bag cover module.

**NOTE: The existing air bag cover module must be scrapped. See page 6 for directions.**

8. Remove the black plastic air bag inflator opening shipping protection cover from the new DAB cover module and discard it.

9. Align the index hole on the inflator to the indexing mark on the new air bag cover module and attach it using the new supplied mounting nuts.

**Re-assembly tightening torque: 5 - 7 lb.ft.**

**Note that the inflator can only be installed in the correct orientation.**

10. To identify that the air bag cover module has been replaced, and that the inflator mounting nuts have the correct tightening torque, mark all four inflator mounting nuts with a paint pen.





# HYUNDAI Technical Service Bulletin

Group

ELECTRICAL

Number

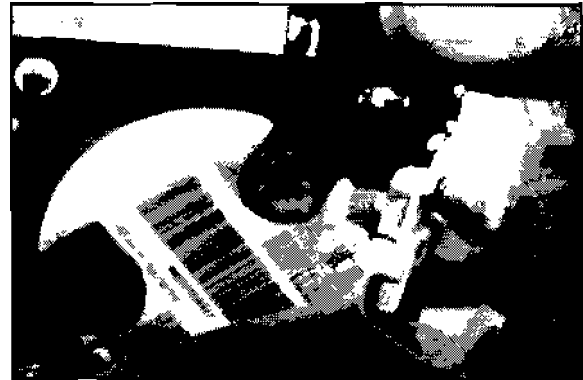
07-01-00■

11. Reconnect the two squib connectors and secure the squib wiring harness in the retaining clip. Install the new air bag module to the steering wheel in the reverse order of removal. Torque the air bag module mounting bolts to **6 - 8 lb.ft.**

## Important notes to remember during installation

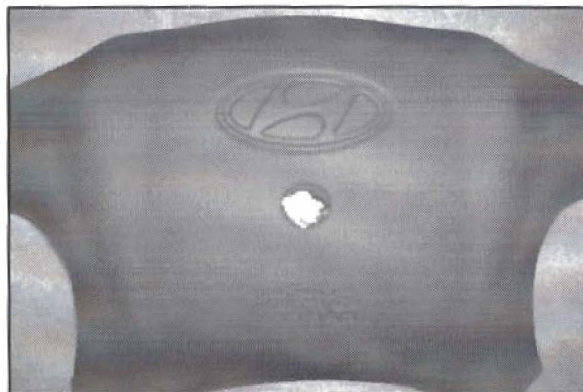
1. Re-connect the green squib connector to the matching green socket and the purple squib connector to the matching purple socket. Both squib connectors are color coded and uniquely indexed to prevent cross-installation.
  2. Engage the secondary pin lock after you have completely inserted the connector into the appropriate connector housing. A "click" sound should be heard.
- 
12. After all electrical connections have been made and the new DAB module has been installed, re-connect the negative (-) terminal of the battery.
  13. Turn the ignition ON and confirm that the instrument panel air bag warning light turns OFF after approximately 6 seconds.

If the air bag warning light stays ON, erase any related trouble code using a scan tool. Then, re-check to confirm that the air bag warning light turns off. If it *does not*, the SRS system must be diagnosed by following the procedures in the appropriate Tucson shop manual.



**The original Driver Air Bag cover module must be destroyed and scrapped:**

**To prevent reuse of the Driver Air Bag cover module that has been removed from the vehicle, drill a hole through the cover module as shown below:**



**Drill 1/2 inch diameter hole just below  
Hyundai "H" logo.**

**PROCEDURE COMPLETE**

**WARRANT INFORMATION:**

OP CODE	OP NAME	OP TIME
61B046R0	Driver air bag module replacement	0.2 M/H

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



GROUP  
Campaign

MODEL  
Sorento

NUMBER  
068

DATE  
January 2007

## TECHNICAL SERVICE BULLETIN

**SUBJECT:**

**SERVICE CAMPAIGN: SORENTO ESC REPROGRAM**

This bulletin provides information relating to a service campaign to reprogram the ECU stability control software for 2007MY Sorento vehicles manufactured between June 15 and 21, 2006.

During recent National Highway Transportation Safety Administration New Car Assessment Program (NCAP) testing, a Sorento manufactured between June 15, 2006 and June 21, 2006 unexpectedly tipped up during a high speed maneuver. Kia's subsequent investigation determined that Sorento vehicles manufactured during the first week of production for the 2007 model year and headed for the U.S. had a European version of the stability control software installed in the Electronic Control Unit (ECU). Although the European version is safe for customer use, the U.S. version was developed to ensure that there was no tip up during the 50 mph Fishhook Manuever involved in NCAP testing. The U.S. version of such software will be programmed into the 1,467 affected Sorentos to make them consistent with all other 2007 model year Sorentos in the U.S. This will ensure that all 2007 Sorento's in the U.S. will be covered by NHTSA's highest NCAP rating.

The vehicles subject to this campaign are in full compliance with all U.S. Federal Motor Vehicle Safety Standards.



**This TSB will summarize the reflash process for the Bosch ESC control module, removing the TPMS fuse is required prior to the reflash.**

**File Under: Campaign**

**Circulate To:** ☒ General Manager ☒ Service Manager ☒ Parts Manager  
☒ Service Advisor(~) ☒ Technician(~) ☒ Body Shop Manager ☒ Fleet Repair

**SUBJECT:****RECALL SERVICE CAMPAIGN: SORENTO ESC REPROGRAM****ESC ROM ID Information Table:**

<b>ABS/ESP Assembly</b>	<b>Part Number</b>	<b>Current ROM ID</b>	<b>New ROM ID</b>
	<b>58910 3E500</b>	<b>60067000000120000000000000</b>	<b>61377000000207000000000000</b>

**Relating to Reprogramming Procedures**

A fully charged battery is necessary before programming can take place, DO NOT connect a battery charger to the vehicle during reprogramming. Make sure the blower motor is OFF during programming.

All Re-programming must be done with the ignition key in the "ON" position.

Be careful not to disconnect any cables connected to the vehicle or Hi Scan Pro during the reprogramming procedure.

DO NOT start the engine during reprogramming.

DO NOT turn the ignition key "OFF" or interrupt the power supply during reprogramming.

When the reprogramming is completed, turn the ignition key "OFF" and wait several seconds before starting the engine.

GDS software version must be N-K-1-1-1. 11 or later.

Manual Reprogramming is not available for this specific reflash

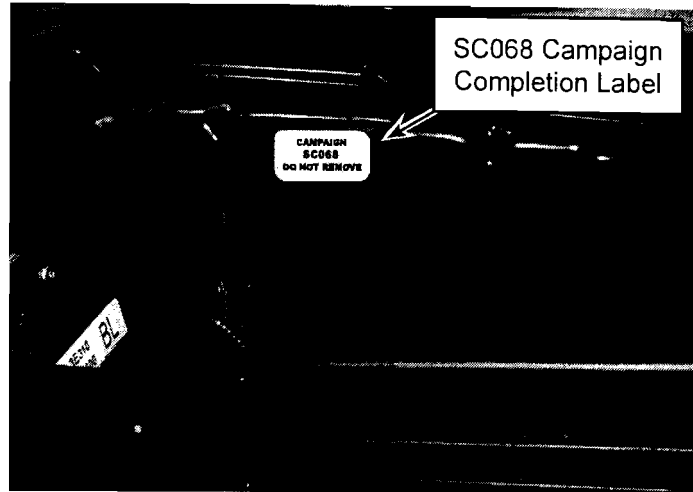
If the ESC control unit reprogramming is interrupted during ESC control unit software data download, the ESC control unit must be replaced.

**SUBJECT:****SERVICE CAMPAIGN: SORENTO ESC REPROGRAM****Inspection Procedure:**

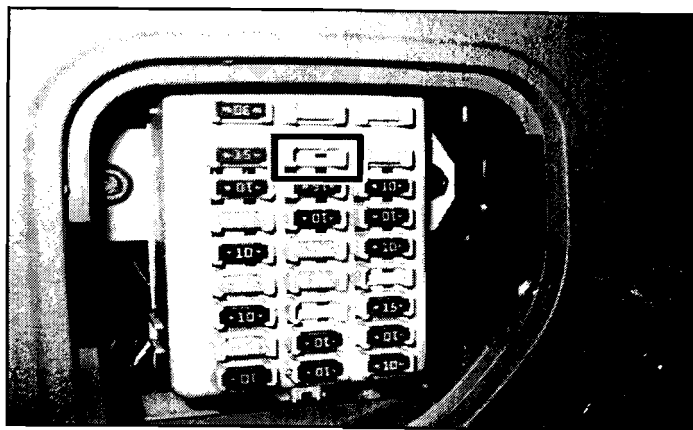
1. Open hood and check for SC068 Campaign completion label on the panel above the under hood fuse box.

If label exists, NO FURTHER ACTION IS REQUIRED.

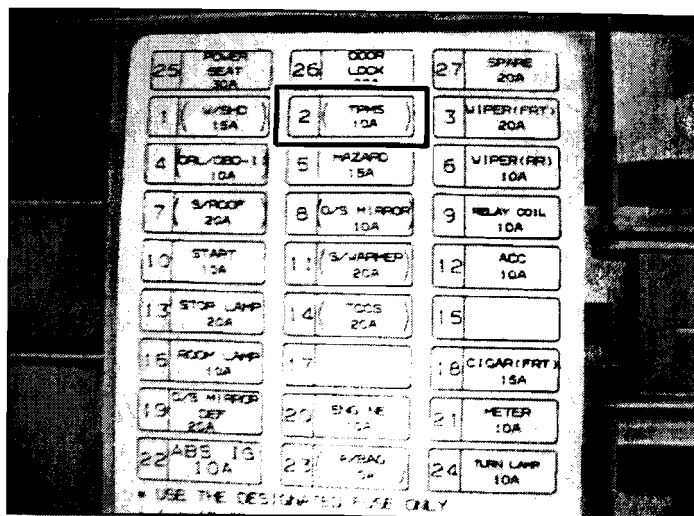
If label does not exist, continue to step 2.



2. Locate the interior fuse box on the driver's side kick-panel. Open the access panel.



3. Remove the TPMS fuse.

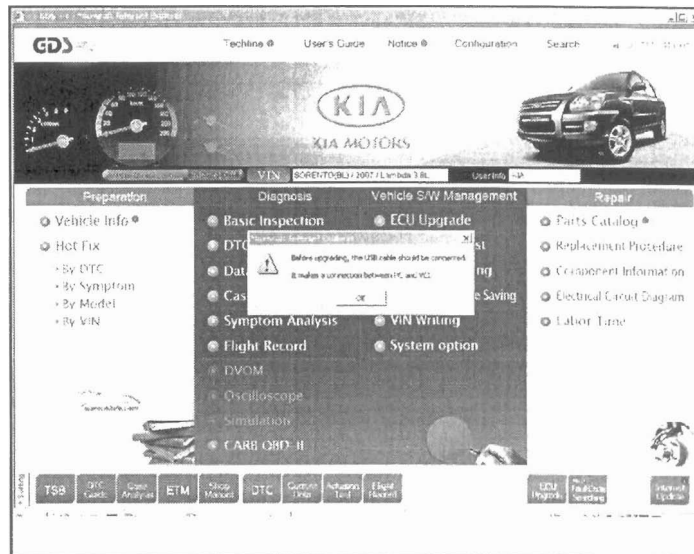


SUBJECT:

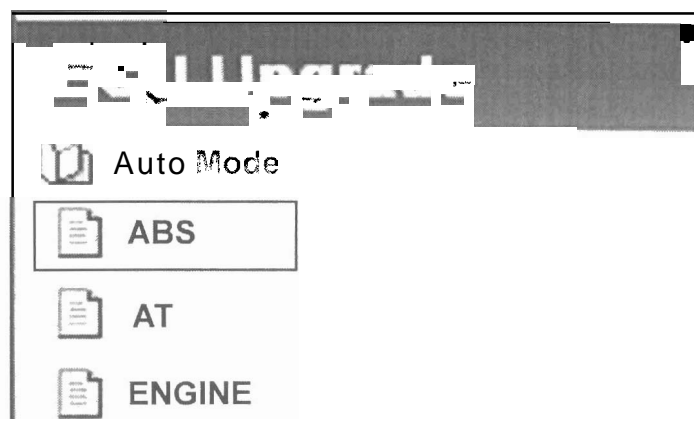
## SERVICE CAMPAIGN: SORENTO ESC REPROGRAM

4. Install GDS and follow the On-screen instructions.

- Connect the 16-pin OBD-II connector located under the dash.
- USB cable must be connected to the Vehicle Communication Interface (VCI) and to the GDS laptop.
- Select 'VIN'
- Select 'VIN Auto Detect'
- Select 'ECU Upgrade'



5. Select 'ABS'. Display will show available ESC reflash related to VIN read with VCI



6. The current ROM ID will be checked and compared against the latest ROM available.

Note: If the latest software is installed, **no** further action **is** required.



The ECU Upgrade has already been  
**completed!**

SUBJECT:

VICE CA

AIGN: S

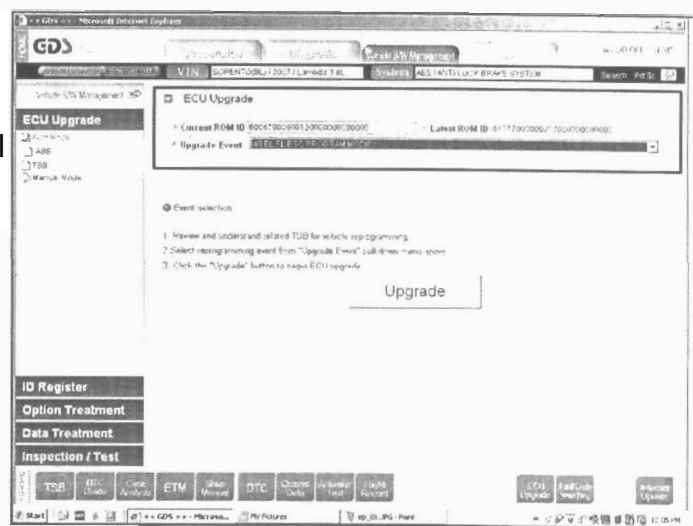
ORENTO ESC REPROGRAM

7. If the ROM ID is:  
60067000000120000000000000, the ESC software must be upgraded. Remove the TPMS fuse before attempting to reflash the ESC control module.

WARNING

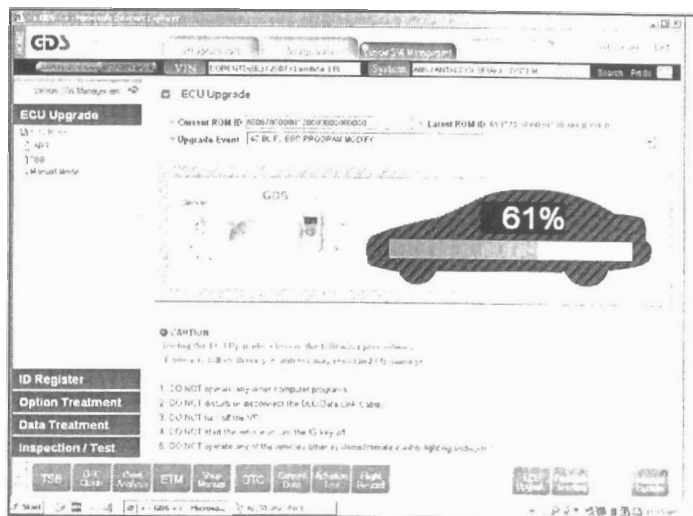
**Failure to remove the TPMS fuse prior to reprogramming will cause the ESC module to error during the reflash and may require the replacement of the HECU.**

8. Select upgrade event: 'BL FL ESC PROGRAM MODIFY'.



Upgrade Event **40. BL FL ESC PROGRAM MODIFY**

**Note: Reprogramming will take approximately 5-7 minutes.**





**SUBJECT**

SERVICE CAMPAIGN: SORENTO ESC REPROGRAM

9. Reflash has completed. Turn ignition key OFF for 20 seconds.

- a) Install the TPMS fuse and cover.
- b) Turn ignition key ON (TPMS display illuminates for duration of self-test) and then OFF.
- c) Check and clear all related diagnostic trouble codes.
- d) Remove GDS and related equipment from the vehicle.

**The ECU upgrade has successfully finished.**

ROMID: 61377000000207000000000000

10 Install SC068 campaign completion label on the inner fender panel above the underhood fuse box.



SUBJECT:

SERVICE C

CAMPAIGN: SORENTO ESC REPROGRAM

**Affected Production Range:**

2007 Sorento vehicles produced between June 15 (Job 1) - June 21, 2006.

**PARTS INFORMATION:**

Description	Part Number
Campaign Completion Label	UV070 SC068

**WARRANTY CLAIM INFORMATION:**

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
R	58910 3E500	0	N50	C40	ESC Reprogramming	070002R0	0 3	N/A	0

To improve customer satisfaction always remember to refer to the Warranty Coverage Validations Inquiry Screen (Select 3) on your Kia Standard System (KSS) Dealer Main Menu for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.