 U.S. Department of Transportation National Highway Traffic Safety Administration	<b>DOT Auto Safety Hotline</b> <b>Vehicle Owner's Questionnaire</b> To Report Vehicle Safety Defects 1-888-DASH-2-DOT (1-888-327-4236) INTERNET: www.nhtsa.dot.gov/hotline			FOR AGENCY USE ONLY 100148	
	Date Received 02-FEB-2007		Repository <input type="checkbox"/>		
	Reference No. 10181455				
<b>OWNER INFORMATION (Type or Print)</b>					
Name			Daytime Telephone Number		E-mail Address
Address			Evening Telephone Number		
City	State	Zip Code			
ELKRIDGE	MD				
Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
In the absence of an authorization, NHTSA WILL NOT provide your name or address to the vehicle manufacturer.					
Signature of Owner _____ Date 2/9/07					
<b>VEHICLE INFORMATION</b>					
17 digit Vehicle Identification Number Located at bottom of windshield on driver's side KMHDN56DX5L			Make HYUNDAI	Model ELANTRA	Model Year 2005
Date Purchased 28-MAR-05	Dealer's Name and Telephone Number ANTWERPEN 4105315702		Engine: No: Cylinders 4	Fuel Type: Gas	
Original Owner <input checked="" type="checkbox"/>	Dealer's City COLUMBIA	State MD	Zip Code		
Transmission Type AUTOMATIC	<input checked="" type="checkbox"/> Antilock Brakes <input checked="" type="checkbox"/> Cruise Control	Powertrain FRONT WHEEL DRIVE	Vehicle Component Code 141100 AIR BAGS:FRONTAL:SENSOR/CONTROL MODULE		
			Multiple Failure: 15		
<b>FAILED COMPONENT(S)/PART(S) INFORMATION</b>					
Incident Date(s) 28-JAN-2007	Failure Mileage +1000 10,000	Failure Speed			
<b>ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A TIRE FAILURE</b>					
Tire Make	Tire Model (Name or Number)		Tire Size (Example P215/65R15)		
DOT No. (Example: DOTM19ABC036)	<input type="checkbox"/> Original Equipment <input type="checkbox"/> Prior Repair	Failure Location:			
Tire Component Code			Tire Failure Type		
<b>ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A CHILD SEAT FAILURE</b>					
Make:	Date Manufactured:	Model No./Name:			
Seat Type:		Installation System:			
Child Seat Component Code:		Failed Part:			
<b>APPLICABLE INCIDENT INFORMATION</b>					
<i>(Please describe in detail the incident(s), failure(s), crash(es), and injury(ies).)</i>					
Crash <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Fire <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number of Persons Injured 0	Number of Deaths 0	Reported to Police N	
Narrative Description of Incident(S), Crash(es), and Injury(ies). Please describe (1) events leading up to the failure, (2) failure and its consequences, and (3) what was done to correct the failure; i.e. parts repaired or replaced (and if old part is available).					
TL* - THE CONTACT OWNS A 2005 HYUNDAI ELANTRA, HATCHBACK, DOOR, GT. THERE IS A RECALL NOTICE FOR THE AIR BAGS. HOWEVER, THE CONTACT DOESN'T FEEL SAFE DRIVING THE VEHICLE AFTER THE DEALER CONTINUES TO RESET THE AIR BAG SENSOR. THE PASSENGER FRONT SEAT LIGHT ILLUMINATES WHEN THERE IS A PASSENGER IN THE SEAT. THE LIGHT CONTINUES TO TURN ON, AND THE CONTACT HAS ANOTHER APPOINTMENT TO RESET IT. THE DEALER STATED THAT THE CAR SEAT MAY HAVE TO BE REPLACED TO CORRECT THE FAILURE. THE FAILURE HAD OCCURRED 15 TIMES.					
Include, if available: Police/Fire Department Report, Photos, and Repair Invoice. <span style="float: right;">ATTACH ADDITIONAL SHEETS IF NECESSARY</span>					
The Privacy Act of 1974-Public Law 93-579 This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your response may be used to assist the NHTSA in determining whether a Manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.					

Cynthia Glass  
Acting Chief Correspondence Research Division  
Office of Defects Investigation Enforcement  
US Department of Transportation  
NHTSA

February 9, 2007

[REDACTED]  
[REDACTED]  
Elkridge, MD  
[REDACTED]  
[REDACTED]

Thank you for your quick response to my complaint regarding the safety of our auto. I have enclosed a table of events related to my trying to have the problem corrected through the dealer and Hyundai Customer Service.

NOTE: I received two envelopes from NHTSA, basically with the same information, but with 2 different reference numbers, so I have included them both.

I am very concerned about my son driving this car, with this air bag defect, and I can't understand why Hyundai is not just as concerned and anxious to correct the problem. I believe that we should be able to use all the seats in the vehicle without having any safety concerns

I appreciate any help or advice you can give us on this matter.

Sincerely,

[REDACTED]  
[REDACTED]



U.S. Department of Transportation  
**National Highway Traffic Safety Administration**

**DOT Auto Safety Hotline**  
**Vehicle Owner's Questionnaire**  
 To Report Vehicle Safety Defects  
 1-888-DASH-2-DOT  
 (1-888-327-4236)  
 INTERNET:www.nhtsa.dot.gov/hotline

FOR AGENCY USE ONLY 100148

Date Received: 01-FEB-2007	Repository <input type="checkbox"/>
	Reference No. 10181345

**OWNER INFORMATION (Type or Print)**

Name [REDACTED]			Daytime Telephone Number [REDACTED]	E-mail Address [REDACTED]
Address [REDACTED]			Evening Telephone Number [REDACTED]	
City ELKRIDGE	State MD	Zip Code [REDACTED]		

Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle?  YES  NO  
 In the absence of an authorized signature, DOT provide your name or address to the vehicle manufacturer.  
 Signature of Owner [REDACTED] Date 2/19/07

**VEHICLE INFORMATION**

17 digit Vehicle Identification Number Located at bottom of windshield on driver's side KMHDN56DX5U [REDACTED]		Make HYUNDAI	Model ELANTRA	Model Year 2005
Date Purchased 28-MAR-05	Dealer's Name and Telephone Number ANTWERPEN 4105315702		Engine: No: Cylinders 4	Fuel Type: Gas
Original Owner <input checked="" type="checkbox"/>	Dealer's City COLUMBIA	State MD	Zip Code	
Transmission Type AUTOMATIC	<input checked="" type="checkbox"/> Antilock Brakes	Powertrain FRONT WHEEL DRIVE	Vehicle Component Code 140000 AIR BAGS	
	<input checked="" type="checkbox"/> Cruise Control		Multiple Failure: 15	

**FAILED COMPONENT(S)/PART(S) INFORMATION**

Incident Date(s) 28-JAN-2007	Failure Mileage 11000 ; 0, 000	Failure Speed
---------------------------------	--------------------------------------	---------------

**ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A TIRE FAILURE**

Tire Make	Tire Model (Name or Number)	Tire Size (Example P215/65R15)
DOT No. (Example: DOTM19ABC036)	<input type="checkbox"/> Original Equipment <input type="checkbox"/> Prior Repair	Failure Location:
Tire Component Code	Tire Failure Type	

**ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A CHILD SEAT FAILURE**

Make:	Date Manufactured:	Model No./Name:
Seat Type:	Installation System:	
Child Seat Component Code:	Failed Part:	

**APPLICABLE INCIDENT INFORMATION**

*(Please describe in detail the incident(s), failure(s), crash(es), and injury(ies).)*

Crash <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Fire <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number of Persons Injured 0	Number of Deaths 0	Reported to Police N
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**Narrative Description of Incident(S), Crash(es), and Injury(ies).**  
 Please describe (1) events leading up to the failure, (2) failure and its consequences, and (3) what was done to correct the failure; i.e., parts repaired or replaced (and if old part is available).

TL\*- THE CONTACT OWNS A 2005 HYUNDAI ELANTRA, HATCHBACK, 5 DOOR, GT. THERE IS A RECALL NOTICE FOR THE AIR BAGS. HOWEVER, THE CONTACT DOESN'T FEEL SAFE DRIVING THE VEHICLE AFTER THE DEALER CONTINUES TO RESET THE AIR BAG. THE LIGHT CONTINUES TO COME ON, AND SHE HAS ANOTHER APPOINTMENT TO RESET THE AIR BAG LIGHT. THE PASSENGER FRONT SEAT READS THAT THE PASSENGER AIR BAG IS NOT ON. THE VEHICLE WAS REPROGRAMMED TWICE AND THE AIR BAG LIGHT TURNS ON AND OFF EVEN WHEN THERE IS A PASSENGER IN THE SEAT. THEY MAY HAVE TO REPLACE THE SEAT. THE MECHANIC HAS STATED THAT THE CONTACT HAS TO BRING THE VEHICLE TO DEALER AGAIN. HYUNDAI STATED THAT THE DEALER AND MANUFACTURER HAVE AN AGREEMENT. THIS FAILURE HAS OCCURRED 15 TIMES. \*AK

Include, if available: Police/Fire Department Report, Photos, and Repair Invoice. ATTACH ADDITIONAL SHEETS IF NECESSARY

The Privacy Act of 1974-Public Law 93-579 This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your response may be used to assist the NHTSA in determining whether a Manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.

Enclosed please find:

- 1) Service orders from 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> visits to dealer regarding air bag problem.
- 2) Hyundai Service Recall Bulletin
- 3) NHTSA Defect Investigation Search Result
- 4) Hyundai Technical Service Bulletin
- 5) Time Table of Events

## TIME TABLE OF EVENTS

3-29-05 purchase of Hyundai Elantra 2005

2-13-06 Initial recall for airbags, brought car in to be reprogrammed.

12-11-06 Light still coming on saying "PASSENGER AIR BAG IS OFF" when an adult is in the passenger seat. So tech reprogrammed again, saying if happens again, would have to replace seat.

1-26-07 Friday. Called dealer because light going on and off while car moving, with adult in passenger seat. Dealer is Antwerpen Hyundai, spoke to Kyle Golston (410) 531-5702 at extension 14582. Kyle said can't just replace seat without OK from Customer Rep. So he called her to see when she would be available to meet with me. She did not return several calls that he had made to her.

Since I was getting no where with dealer I called Hyundai Customer Service (800) 633-5151 thinking they could do something to help speed up the repair of this safety problem. I spoke with Annie CASE # 1031300. She called dealer And spoke with Kyle. She said Kyle was following the procedure he was instructed to follow; that being that he needed to wait for his Svc Rep to get back to him to let him know when she would be available to meet with me. Annie said she would check in with Kyle on the following Tuesday and get back to me.

1-30-07 Tuesday. Since I hadn't heard anything form Kyle or Annie, I called Annie again. Annie said that she would call Kyle again and if Rep has not responded yet that she herself would call Rep.

1-31-07 Wednesday. Still no response. So I called Annie again. Now she tells me that she can't do anything because dealer is following procedure. By this time I have to wonder what the use of Customer Service is. She said that the Rep did not know her schedule for February yet, even though it was the last day in January. I would just have to WAIT until Rep lets dealer know when she is available. I reminded Annie that she said she would call Rep to get some info, but now she said she can't do that. So I asked if I could talk to someone that could do something, and she said all she could do is send complaint out to regional, ... whatever that means. But I could take car back to dealer to reprogram again.

It was on 1-31-07 that I first contacted NHTSA because I felt that I was getting the run around and that Hyundai was not taking this safety issue seriously. I am very upset that this car, that my son will use when he is home from school, is not safe for a front passenger.

2-1-07 Thursday I took car back to dealer. Tech hooked car up to some kind of monitor. I sat in the passenger seat, and the tech saw the light go on and off while I was in the seat. Mike, The head service tech, at extension 14583, and Tom, Kyle's boss all agreed that there is a problem. They seemed concerned, but said they could do nothing without the OK from the Rep. They were waiting for her to get back to them, but she was not responding to any calls or Emails that they had left for her.

Kyle checked for any new technical service bulletins that may have come out. See Bulletins: Since reprogramming did not work, the next step is to remove seat, send to Hyundai to recalibrate, but need Rep's permission to do that. But again, nobody knows when she would be available.

Kyle then introduced me to Eric McMickings, the Customer Relations Mgr. at Antwerpen. He said he would call Customer Service and the Rep to see if he could speed up the process at all, and that he would call me.

2-6-07 Tuesday. Since I hadn't heard anything, I called Eric McMickings and left a message for him. He never returned my call. So I called Kyle. He was out so Mike took the call, and said he would have Kyle call me back. Mike did call me back a couple hours later saying that the Rep, who is Maura Dowd, is tentatively scheduled to be there On Wed 2-14-07, between 9am and 2pm, and that I should plan on going in then. He said he would call if the date changed.

2-9-07 Friday. I received a call from Erin at Hyundai Customer Service to tell me nothing new except that she would set up an appointment for me with the Rep when she knew her schedule. I told her that I was told I could meet with her on 2-14-07 at the dealer and she said she didn't think she would be there until the end of February. I couldn't believe they were putting this off again and I told her I was very unhappy. So, she called the Rep to get a definite day and scheduled me for 2-22-07 at 11am.

I was told that there are a number of customers with the same problem. If that is the case, why doesn't Hyundai have a quicker fix. Erin at Customer service said Tech should be able to do what is necessary with out OK from Rep, which is what I thought, especially if Techs all agree there is a problem.

I was told that if they decide to recalibrate the seat that they would remove the seat and send it out to be recalibrated, which could take several weeks.

.

I am not sure the problem of the light coming on with an adult in the passenger seat is exactly the reason for the initial recall. The recall seemed to be more concerned about the air bag being enabled when there was a child car seat in the passenger seat.

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## RECALLS

**2005 Hyundai Elantra GT 5-Door**

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### 3 Recall Notices

These recall notices may not apply to all vehicles. Please contact your dealer for more details or contact the National Highway Traffic Safety Administration's Auto Safety hotline at 1-888-DASH-2-DOT (1-888-327-4236).

**Campaign Number:** 05V479000 **Date:** 2005-Oct-17

**Component:** Air Bags

**Defect Summary:** CERTAIN VEHICLES EQUIPPED WITH AN ADVANCED AIR BAG SYSTEM. THE OCCUPANT CLASSIFICATION SYSTEM (OCS) INSTALLED IN THE RIGHT FRONT SEAT OF THE VEHICLE 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.

**Consequence Summary:** THE POSSIBILITY OF MISCLASSIFICATION OF A CRS AS AN ADULT MAY ALLOW THE RIGHT FRONT AIRBAG OR SIDE IMPACT AIRBAG TO DEPLOY IN A CRASH AND COULD RESULT IN INJURY TO THE RIGHT FRONT OCCUPANT.

**Corrective Summary:** DEALERS WILL REPROGRAM THE VEHICLE'S OCS ELECTRONIC CONTROL UNIT (ECU) TO REMOVE THE FEATURE THAT MAY CAUSE THE CRS TO BE RECOGNIZED AS AN ADULT. THE RECALL BEGAN ON NOVEMBER 15, 2005. OWNERS MAY CONTACT HYUNDAI OF PUERTO RICO AT 1-800-981-0188.

**Campaign Number:** 05V395000 **Date:** 2005-Sep-12

**Component:** Air Bags

**Defect Summary:** CERTAIN VEHICLES EQUIPPED WITH AN ADVANCED AIR BAG SYSTEM. THE OCCUPANT CLASSIFICATION SYSTEM (OCS) INSTALLED IN THE RIGHT FRONT SEAT OF THE VEHICLE 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.

**Consequence Summary:** THE POSSIBILITY OF MISCLASSIFICATION OF A CRS AS AN ADULT MAY ALLOW THE RIGHT FRONT AIRBAG OR SIDE IMPACT AIRBAG TO DEPLOY IN A CRASH AND COULD RESULT IN INJURY TO THE RIGHT FRONT OCCUPANT.

**Corrective Summary:** DEALERS WILL REPROGRAM THE VEHICLE'S OCS ELECTRONIC CONTROL UNIT (ECU) TO REMOVE THE FEATURE THAT MAY CAUSE THE CRS TO BE RECOGNIZED AS AN ADULT. THE RECALL BEGAN ON OCTOBER 31, 2005. OWNERS MAY CONTACT HYUNDAI AT 1-800-633-5151.

**Campaign Number:** 05V187000 **Date:** 2005-Apr-28

**Component:** Steering: Linkages: Tie Rod Assembly

**Defect Summary:** CERTAIN PASSENGER VEHICLES MAY HAVE BEEN BUILT WITH THREADED PORTIONS OF THE STEERING GEARBOX ASSEMBLY'S LEFT AND RIGHT INNER BALL JOINT ASSEMBLIES THAT CONTAIN INTERNAL CRACKS IN THE MATERIAL STRUCTURE.

**Consequence Summary:** IF THE INNER BALL JOINT ASSEMBLY WAS TO BREAK AS A RESULT OF THE INTERNAL CRACK THE TIE ROD END ASSEMBLY WOULD NOT LONGER BE ATTACHED TO THE STEERING GEAR BOX. THIS WOULD PREVENT STEERING CONTROL OF THAT FRONT WHEEL BY THE SEPARATED TIE ROD WHICH COULD RESULT IN A CRASH.

**Corrective Summary:** DEALERS WILL REPLACE THE STEERING GEARBOX ASSEMBLIES ON THESE VEHICLES FREE OF CHARGE. OWNERS WERE CONTACTED BY TELEPHONE BEGINNING ON APRIL 8, 2005, AND INSTRUCTED NOT TO DRIVE THEIR VEHICLES. HYUNDAI WILL ARRANGE TO PICK UP AND RETURN THEIR VEHICLES AFTER REPAIR. OWNERS MAY CONTACT HYUNDAI AT 1-800-633-5151.

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## Recalls - Search Results

Report Date : **January 31, 2007 at 09:36 PM**

SEARCH TYPE : VEHICLE

Make : HYUNDAI

Model : ELANTRA

**Make :** HYUNDAI

**Model :** ELANTRA

**Year :** 2005

**Manufacturer :** HYUNDAI MOTOR COMPANY

**NHTSA CAMPAIGN ID Number :** 05V395000

**Recall Date :** SEP 09, 2005

**Component:** AIR BAGS

**Potential Number Of Units Affected :** 231160

### Summary:

CERTAIN VEHICLES EQUIPPED WITH AN ADVANCED AIR BAG SYSTEM. THE OCCUPANT CLASSIFICATION SYSTEM (OCS) INSTALLED IN THE RIGHT FRONT SEAT OF THE VEHICLE 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.

### Consequence:

THE POSSIBILITY OF MISCLASSIFICATION OF A CRS AS AN ADULT MAY ALLOW THE RIGHT FRONT AIRBAG OR SIDE IMPACT AIRBAG TO DEPLOY IN A CRASH AND COULD RESULT IN INJURY TO THE RIGHT FRONT OCCUPANT.

### Remedy:

DEALERS WILL REPROGRAM THE VEHICLE'S OCS ELECTRONIC CONTROL UNIT (ECU) TO REMOVE THE FEATURE THAT MAY CAUSE THE CRS TO BE RECOGNIZED AS AN ADULT. THE RECALL BEGAN ON OCTOBER 31, 2005. OWNERS MAY CONTACT HYUNDAI AT 1-800-633-5151.

### Notes:

HYUNDAI RECALL NO. 073. CUSTOMERS MAY ALSO CONTACT THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATIONS VEHICLE SAFETY HOTLINE AT 1-888-327-4236 (TTY 1-800-424-9153), OR GO TO [HTTP://WWW.SAFERCAR.GOV](http://www.safercar.gov).

**Make :** HYUNDAI

**Model :** ELANTRA

**Year :** 2005

**Manufacturer :** HYUNDAI CARIBBEAN-PUERTO RICO

**NHTSA CAMPAIGN ID Number :** 05V479000

**Recall Date :** OCT 12, 2005

**Component:** AIR BAGS

**Potential Number Of Units Affected :** 2105

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.

**Consequence:**

THE POSSIBILITY OF MISCLASSIFICATION OF A CRS AS AN ADULT MAY ALLOW THE RIGHT FRONT AIRBAG OR SIDE IMPACT AIRBAG TO DEPLOY IN A CRASH AND COULD RESULT IN INJURY TO THE RIGHT FRONT OCCUPANT.

**Remedy:**

DEALERS WILL REPROGRAM THE VEHICLE'S OCS ELECTRONIC CONTROL UNIT (ECU) TO REMOVE THE FEATURE THAT MAY CAUSE THE CRS TO BE RECOGNIZED AS AN ADULT. THE RECALL BEGAN ON NOVEMBER 15, 2005. OWNERS MAY CONTACT HYUNDAI OF PUERTO RICO AT 1-800-981-0188.

**Notes:**

HYUNDAI PR RECALL NO. 073. CUSTOMERS MAY ALSO CONTACT THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATIONS VEHICLE SAFETY HOTLINE AT 1-888-327-4236 (TTY 1-800-424-9153), OR GO TO [HTTP://WWW.SAFERCAR.GOV](http://www.safercar.gov).

Subject <b>OCCUPANT CLASSIFICATION SYSTEM (OCS) REPROGRAMMING</b>		05-90-003-1	
		Date APRIL, 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

*This bulletin supersedes TSB# 05-90-003 to correct warranty information.*

**SERVICE MANAGER:**

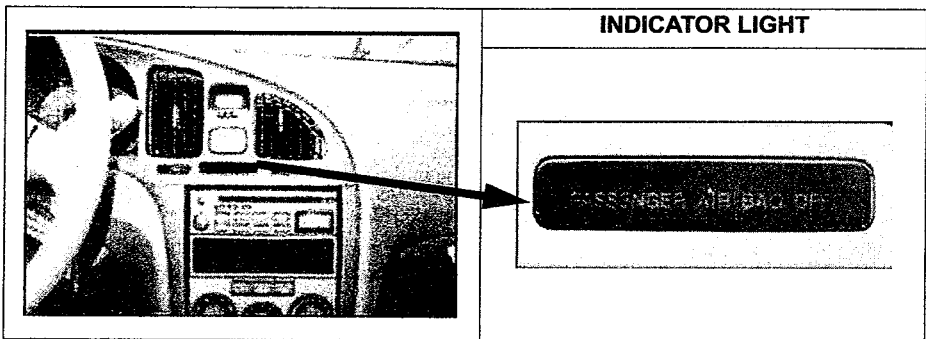
Please review entire TSB with all Service Advisors, Technicians and Warranty Administrators.

**DESCRIPTION:**

The Occupant Classification System (OCS) "PASSENGER AIR BAG OFF" indicator light may not turn off or may switch on and off when some smaller stature adults are seated in the right front passenger seat of some 2004 and 2005 model year Elantra vehicles.

This OCS reprogramming procedure may be performed on **an individual customer complaint basis only**, and only if the "PASSENGER AIR BAG OFF" indicator light remains on or switches on and off when small stature adults are seated in the right front passenger position.

**NOTE: Evaluations must be made with the passenger who experiences this condition. This procedure is not intended for vehicles which have not experienced this condition.**



- Model: 2004-2005 ELANTRA vehicles produced beginning June 12, 2003.

#### **GENERAL INFORMATION:**

- The OCS is designed to detect when the right front passenger seat is occupied by a child restraint system or a child so the air bag for that seat can be disabled. The OCS is also designed to detect when the right front passenger seat is occupied by an adult of sufficient stature to make potential air bag deployment appropriate.
- When an adult passenger is detected, the passenger air bag, passenger side impact air bag, and passenger seat belt pretensioner circuitry is enabled and the "PASSENGER AIR BAG OFF" indicator light is turned off. If an adult passenger is not detected, or when a child restraint system or child is detected, the passenger air bag, passenger side impact air bag, and passenger seat belt pretensioner circuitry is disabled and the "PASSENGER AIR BAG OFF" indicator light is turned on.
- To be able to properly detect a seated adult passenger, the OCS requires the right front passenger to be properly seated (sitting upright with the seat back in an upright position, centered on the seat cushion, with legs comfortably extended along the seat surface). Since weight and seating position are both used as criteria for evaluating the presence of an occupant, if the OCS senses the seat is occupied by someone of light weight, or the passenger is out of position or is taking their weight off of the seat for a period of time, the system will disable the air bag and illuminate the "PASSENGER AIR BAG OFF" indicator light.
- When a small stature adult passenger is seated in the proper position with the "PASSENGER AIR BAG OFF" indicator light turned off, a momentary illumination of the light may indicate that the system briefly sensed a reduction in weight on the seat, or a change in the weight distribution on the seat because the passenger temporarily changed position.
- The OCS light may also turn on for tall and light weight adults when their feet are pulled to a position on the floor close to the seat cushion, raising their legs off the front of the cushion.

**WARNING: Aftermarket equipment, such as seat covers, must not be used because it can affect OCS system operation.**

**NOTE: The operation of the driver air bag, driver side impact air bag, and driver seat belt pretensioner are not affected by the OCS.**

**INSPECTION PROCEDURE:**

1. The customer must contact the dealership regarding the "PASSENGER AIR BAG OFF" indicator light operation.
2. Make an appointment when customer can bring both the car and the passenger who has experienced the "PASSENGER AIR BAG OFF" indicator light condition.
3. The Service Advisor must verify the passenger is sitting correctly, as per the following steps:
  - a. Make sure that the adult passenger at issue is present for the initial confirmation procedure. Ask the passenger to sit in his or her normal position in the right front seat. Turn on the ignition and observe the "PASSENGER AIR BAG OFF" indicator light.
  - b. If the "PASSENGER AIR BAG OFF" indicator light does not turn off, or switches on and off when the passenger moves in the seat, please ask the right front passenger to sit upright, not to lean or recline, and to comfortably extend their legs to make sure their legs contact the front portion of the seat cushion.
  - c. If sitting in the proper position does not cause the "PASSENGER AIR BAG OFF" light to turn off, and not switch on and off, the OCS may be reprogrammed to help detect the presence of a properly seated small stature adult.
  - d. If sitting in the proper position does cause the "PASSENGER AIR BAG OFF" light to turn off, then the vehicle should **NOT** be reprogrammed.

**NOTE: A few seconds delay for the OCS light to turn on or off does not indicate a problem. Temperature changes may slightly affect the seat material and sensing characteristics of the OCS.**

4. If the OCS qualifies to be reprogrammed, perform the following service procedures:

THE ATTACHMENTS TO THIS DOCUMENT HAVE BEEN REMOVED TO PROTECT UNWARRANTED INVASION OF PERSONAL PRIVACY PURSUANT TO EXEMPTION 6 OF THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552(b)(6).