 <p>U.S. Department of Transportation National Highway Traffic Safety Administration</p>		<p><b>INFORMATION ACT (FOIA), 5 U.S.C. 552(B)(6)</b> DOT Auto Safety Hotline</p> <p><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</p>		<p>FOR AGENCY USE ONLY 100148</p>	
<p>Date Received <b>OCT 10 2012</b> 04-SEP-2012</p>		<p>Repository <input type="checkbox"/></p> <p>Reference No. 10473822</p>			
<p><b>OWNER INFORMATION (Type or Print)</b></p>					
<p>Name [REDACTED]</p>		<p>Daytime Telephone Number [REDACTED]</p>		<p>E-mail Address [REDACTED]</p>	
<p>Address [REDACTED]</p>		<p>Evening Telephone Number <i>same as above</i></p>			
<p>City EAGAN</p>	<p>State MN</p>	<p>Zip Code [REDACTED]</p>			
<p><i>The information you provide will be used to identify potential safety-related defects. We may share your information with the applicable vehicle manufacturer during an investigation or recall in accordance with the routine uses described in the agency's Privacy Act notice. See 49 FR 53971 (Sep. 3, 2004).</i></p>					
<p><b>VEHICLE INFORMATION</b></p>					
<p>17 digit Vehicle Identification Number Located at bottom of windshield on driver's side KMHEU46C86A [REDACTED]</p>		<p>Make HYUNDAI</p>	<p>Model SONATA</p>	<p>Model Year 2006</p>	
<p>Date Purchased 9/26/2005</p>	<p>Dealer's Name and Telephone Number <i>Denny Hecker's Southview Hyundai (out of business)</i></p>		<p>Engine: No: Cylinders <b>4</b></p>	<p>Fuel Type:</p>	
<p>Original Owner <input checked="" type="checkbox"/></p>	<p>Dealer's City <i>Inver Grove Heights</i></p>	<p>State MN</p>	<p>Zip Code 55077</p>		
<p>Transmission Type <input type="checkbox"/> Antilock Brakes <input type="checkbox"/> Cruise Control</p>	<p>Powertrain</p>	<p>Multiple Failure:</p>		<p>Incident Date(s) 15-AUG-2012</p>	
<p><b>FAILED COMPONENT(S)/PART(S) INFORMATION</b></p>					
<p>Vehicle Component Code: 140000 AIR BAGS</p>			<p>Failure Mileage 68000</p>	<p>Failure Speed</p>	
<p><b>ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A TIRE FAILURE</b></p>					
<p>Tire Make</p>	<p>Tire Model (Name or Number)</p>		<p>Tire Size (Example P215/65R15)</p>		
<p>DOT No. (Example: DOTM19ABC036)</p>	<p><input type="checkbox"/> Original Equipment <input type="checkbox"/> Prior Repair</p>		<p>Failure Location:</p>		
<p>Tire Component Code</p>			<p>Tire Failure Type:</p>		
<p><b>ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A CHILD SEAT FAILURE</b></p>					
<p>Make:</p>		<p>Date Manufactured:</p>		<p>Model No./Name:</p>	
<p>Seat Type:</p>		<p>Installation System:</p>			
<p>Child Seat Component Code:</p>		<p>Failed Part:</p>			
<p><b>APPLICABLE INCIDENT INFORMATION</b> <i>(Please describe in detail the incident(s), failure(s), crash(es), and injury(ies).)</i></p>					
<p>Crash <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Fire <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Number of Persons Injured 0</p>	<p>Number of Deaths 0</p>	<p>Reported to Police N</p>	
<p><b>Narrative Description of Incident(s), Crash(es), and Injury(ies).</b> 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).</p>					
<p>TL* THE CONTACT OWNS A 2006 HYUNDAI SONATA. THE CONTACT STATED THAT THE AIR BAG WARNING LAMP ILLUMINATED. THE VEHICLE WAS TAKEN TO THE DEALER WHO DIAGNOSED THAT THE PASSENGER SEAT AIR BAG SENSOR NEEDED TO BE REPLACED. THE MANUFACTURER WAS NOT MADE AWARE OF THE FAILURE. THE VEHICLE WAS NOT INCLUDED IN NHTSA CAMPAIGN ID NUMBER: 08V161000 (AIR BAGS) AND WAS NOT REPAIRED. THE FAILURE MILEAGE WAS 68,000 AND THE CURRENT MILEAGE WAS 68,300.</p> <p><i>Not correct - this was logged w/ Hyundai - Case # 4992865</i></p>					
<p>Include, if available: Police/Fire Department Report, Photos, and Repair Invoice. <b>ATTACH ADDITIONAL SHEETS IF NECESSARY</b></p>					
<p>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 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.</p>					

**Honest-1 Eagan**  
 "Home of the Honest Mechanics"

Attachment 1

Bill To [Redacted]  
 Eagan, MN [Redacted]  
 USA

Cell [Redacted]  
 Email [Redacted]

Plate [Redacted]  
 Description Blue 2006  
 Make Hyundai Sonata GL  
 Engine I4-2359 2.4 USA  
 Odometer 68,282  
 VIN KMHEU46C86A [Redacted]

PO # N/A  
 Work Order # 0000010335  
 Invoice # N/A  
 Svc Advisor Schwemmer, Kevin  
 Technician Moberg, Curt

Invoice Date Aug 28 2012  
 Appointment Aug 27 2012 4:21 pm  
 Promised Aug 28 2012 4:00 pm

Reported Problems

**Noise from Suspension**

Making a noise in the rear wheel as you are slowing down. Airbag light is on - may be still under warranty. Check and see if it's covered and get back to Linda.

Inspections Requested

Honest-1 21 Point Inspection

Services Requested

<b>*Air Bag System - Diagnose and Report</b>			
Labor		\$105.41 / hr.	\$105.41 *
		Sub	\$105.41
<b>Disc Brake Service - Rear</b>			
Rear Disc Pad (each)	2.00 Units	\$48.60 / Unit	\$97.20 M
Rear Ceramic Hub	1.00 Units	\$81.09 / Unit	\$81.09 M
Labor		\$105.41 / hr.	\$121.22 *
		Sub	\$299.51
<b>LR Wheel Bearing - Replace</b>			
Hub Assy - Rear Wheel	1.00 Units	\$297.83 / Unit	\$297.83 M
Labor		\$105.41 / hr.	\$89.60 *
		Sub	\$387.43

Deferred Work

LF CV Axle Shaft - Remove and Replace

\*Degrease & Dye Test

\*Power Steering Fluid Flush

Total Labor		\$316.23
Total Parts		\$476.12
Total Before Taxes & Miscellaneous Charges		\$792.35
(*) Shop Supplies		\$25.30
(#) Hazardous Materials Disposal Fee (MN)		\$17.63
(M) Minnesota State Tax	7.125 %	\$33.92
Totals		\$869.20

Authorization Comments

I hereby authorize the repair work and testing to be completed along with the necessary parts, materials, storage, finance (1.5%/mo) and collection fees (35%). I agree that Honest-1 Auto Care is not responsible for loss or damage to the vehicle or contents in the case of fire, theft or causes beyond your control. I hereby grant you and/or your employee's permission to operate the vehicle herein described on streets, highways or elsewhere, at your discretion, for the purpose of testing and/or inspection. I acknowledge my indebtedness to Honest-1 Auto Care for the amount of this invoice and acknowledge and agree that

In mid-August, the Air Bag light came on in my 2006 Hyundai Sonata.

On 8/28/2012, I brought my car to Honest-1 Egan to diagnose this issue, along with other issues (Invoice attached – Attachment 1). Honest-1 Egan stated that my airbag issue is related to NHTSA Campaign ID Number 08V161000. Honest-1 Egan called a Hyundai Dealership who stated that my VIN number is not covered under the recall.

On 8/31/12, I brought my car to an independent mechanic, who also diagnosed my car with the same problem. They stated that my car has Code # B1448 – Passenger Seat Occupied Recognition Sensor. This mechanic also gave me a printout from AllData Online showing recall number 08V161000. (See Attachment 2)

On 9/1/2012, I called Hyundai Motor Company at (800) 633-5151. The Case number assigned to me is 4992865. They confirmed what both Honest-1 Egan and the other mechanic stated – that my car is not covered under Recall Number 08V161000. I complained that I have a 2006 Sonata, and this recall covers 2006-2008 Hyundai Sonatas. They told me to call a dealership to “see” if they could assist.

On 9/1/2012, I called Inver Grove Hyundai dealership at (612) 246-3455 and asked if they would correct this recall issue. They again stated that my car is not covered under the recall, and told me that I’d need to spend \$149 to get this issue diagnosed, even though the issue has clearly been diagnosed by Honest-1 Egan and the other mechanic. They stated that could fix the issue, but I would need to pay for it since my car is not covered under the recall, which would cost me an additional \$700 out of pocket.

On 9/4/2012, I called the National Highway Traffic Safety Administration’s Vehicle Safety Hotline to issue a complaint. My reference number is 10473822. I detailed what I told you above, but the individual logging the complaint did not type in the complaint correctly. They stated that the Manufacturer was not made aware of the failure. I HAVE talked to the manufacturer and have a Case Number assigned to this issue.

As a side note, I am also working with Hyundai Motor Company because my name is not shown as the original owner of the vehicle. I bought this vehicle new, with 168 miles on it, yet the dealership who I bought the car from is out of business (Denny Hecker Hyundai). I have submitted paperwork to Hyundai as they have requested so I will be shown as the original owner.

I believe my car should be included in this warranty, since my car is a 2006 Hyundai and is having the exact symptoms of the recall stated above. The recall is for 2006-2008 Hyundai Sonatas. I now am driving around with non-functioning airbags. I bought my Hyundai Sonata because of the safety features and now Hyundai refuses to correct this issue.

Thank you for your attention.

[REDACTED]  
[REDACTED]  
Egan, MN [REDACTED]

Attachment 1 - from Honest-1 Eagan

ALLDATA REPAIR

Welcome: HONEST 1

Vehicle » Restraints and Safety Systems » Relays and Modules - Restraints and Safety Systems » Seat Occupant Classification Module - Air Bag » Technical Service Bulletins » Recalls and Campaigns » Safety » Recall 08V161000: Air Bag System Defect

Customer Support | Help | Save Article | Select Print Options

2006 Hyundai Sonata L4-2.4L  
Seat Occupant Classification Module - Air Bag  
TSB Title: NHTASA08V161000 04/01/2008 Recall 08V161000: Air Bag System Defect

MAKE/MODELS:      MODEL/BUILD YEARS:  
Hyundai/Sonata      2006-2008  
MANUFACTURER : Hyundai-KIA America Technical Center Inc.  
MFR'S REPORT DATE: April 01, 2008  
NHTSA CAMPAIGN ID NUMBER: 08V161000  
NHTSA ACTION NUMBER: N/A  
COMPONENT: Air Bags  
POTENTIAL NUMBER OF UNITS AFFECTED: 393714

**SUMMARY:**  
Hyundai is recalling 393,714 M/Y 2006-2008 Sonata vehicles equipped with an advanced air bag system which features an Occupant Classification System (OCS) in the right front seat. The purpose of the OCS is to disable the right passenger seat front air bag when it detects the presence of a child restraint system or small child in the right front seat. The right front air bag is disabled to prevent injuries to a child that may result from a right front air bag inflation during a crash.

**CONSEQUENCE:**  
Misclassification of a small stature adult as a child in the right front passenger seat may cause the right front air bag to not inflate in an accident that merits air bag deployment and may result in injury to the right front occupant.

**REMEDY:**  
Dealers will verify that the OCS does not properly recognize a properly seated adult occupant. After verification, dealers will remove the right front seat cushion assembly and ship it to an evaluation and repair facility. This facility will evaluate and repair or reprogram the seat cushion and QCS as necessary. The recall is expected to begin on or about May 26, 2008. Owners may contact Hyundai at 1-800-633-5151.

**NOTES:**  
Hyundai recall No. 083. Customers may contact The National Highway Traffic Safety Administration's Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

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# Attachment 2

**ALLDATA**  
Online Home | Account | Contact ALLDATA | Log Out | Help

CITY OF APPLE VALLEY  
CITYOFAPPLEVALLE0003

Select Vehicle | New TSBs | Technician's Reference Component Search:

 Conversion Calculator

2006 Hyundai Sonata L4-2.4L

[Vehicle Level](#) → [Restraints and Safety Systems](#) → [Air Bag Systems](#) → [Seat Occupant Sensor](#) → [Technical Service Bulletins](#) → [All Technical Service Bulletins](#) → [Recall 08V161000: Air Bag System Defect](#)

## Recall 08V161000: Air Bag System Defect

MAKE/MODELS: MODEL/BUILD YEARS:

Hyundai/Sonata 2006-2008

MANUFACTURER : Hyundai-KIA America Technical Center Inc.

MFR'S REPORT DATE: April 01, 2008

NHTSA CAMPAIGN ID NUMBER: 08V161000

NHTSA ACTION NUMBER: N/A

COMPONENT: Air Bags

POTENTIAL NUMBER OF UNITS AFFECTED: 393714

### SUMMARY:

Hyundai is recalling 393,714 M/Y 2006-2008 Sonata vehicles equipped with an advanced air bag system which features an Occupant Classification System (OCS) in the right front seat. The purpose of the OCS is to disable the right passenger seat front air bag when it detects the presence of a child restraint system or small child in the right front seat. The right front air bag is disabled to prevent injuries to a child that may result from a right front air bag inflation during a crash.

### CONSEQUENCE:

Misclassification of a small stature adult as a child in the right front passenger seat may cause the right front air bag to not inflate in an accident that merits air bag deployment and may result in injury to the right front occupant.

### REMEDY:

Dealers will verify that the OCS does not properly recognize a properly seated adult occupant. After verification, dealers will remove the right front seat cushion assembly and ship it to an evaluation and repair facility. This facility will evaluate and repair or reprogram the seat cushion and OCS as necessary. The recall is expected to begin on or about May 26, 2008. Owners may contact Hyundai at 1-800-633-5151.

*Code B1448  
Passenger  
occupied  
Seat  
Recognition  
Sensor*

Select Vehicle | New TSBs | Technician's Reference Component Search:



Conversion Calculator

2006 Hyundai Sonata L4-2.4L

Vehicle Level → [A L L Diagnostic Trouble Codes \( DTC \)](#) → [Testing and Inspection](#) → [B Code Charts](#)  
 → [B1448](#) ←

### B1448

- DTC B1448 PASSENGER OCCUPANT CLASSIFICATION SENSOR DEFECT
- DTC B1449 PASSENGER OCCUPANT CLASSIFICATION (OC) SYSTEM COMMUNICATION ERROR
- DTC B1450 PASSENGER OCCUPANT CLASSIFICATION (OC) SYSTEM WRONG ID

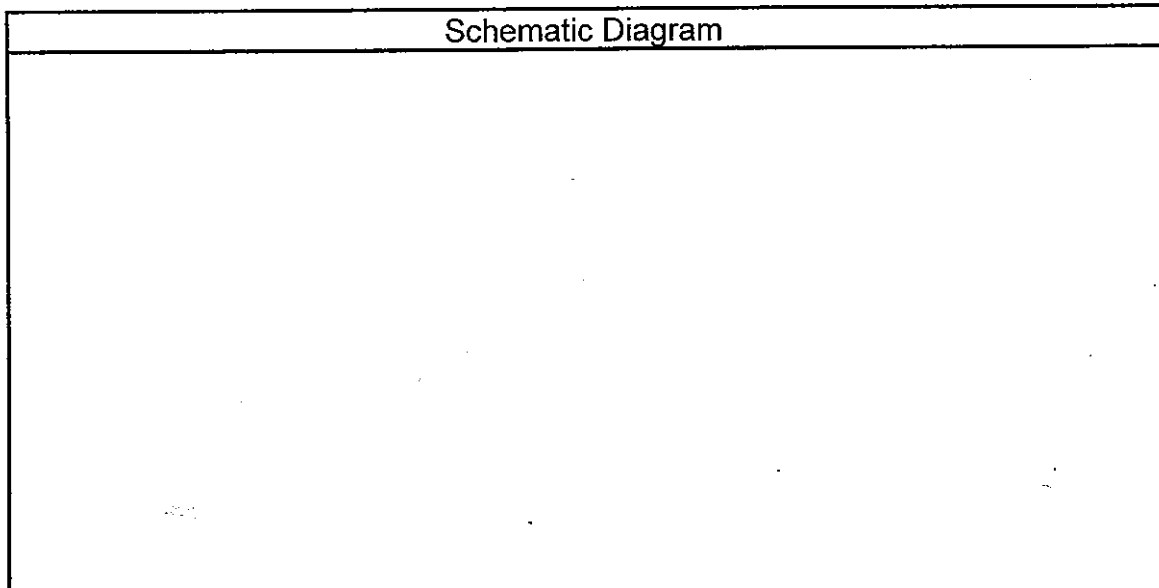
#### DTC DESCRIPTION

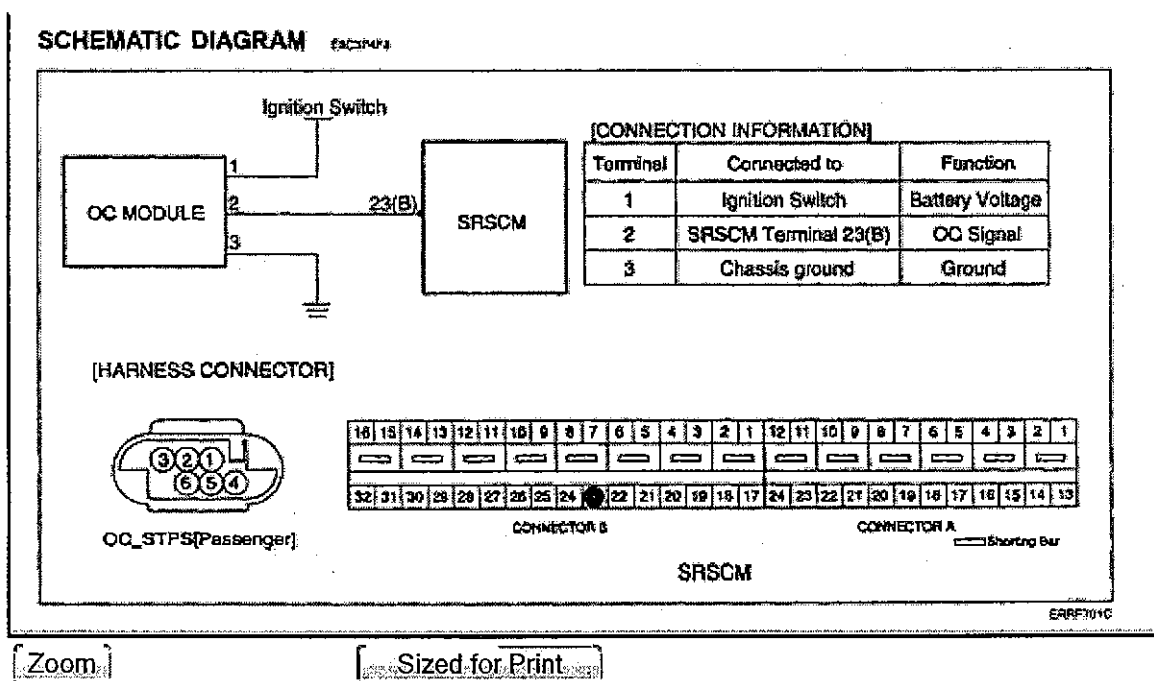
The passenger occupant classification system consists of the SRSCM and the OC module. The above DTC is recorded when a defect or communication error of the OC module is detected in the OC module circuit.

DTC Detecting Condition		
<b>DTC DETECTING CONDITION</b> <small>62074807</small>		
DTC	Condition	Probable cause
B1448 B1449 B1450	<ul style="list-style-type: none"> <li>• OC module Malfunction</li> <li>• SRSCM Malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Wiring Harness</li> <li>• OC module</li> <li>• SRSCM</li> </ul>

[Zoom](#)

[Sized for Print](#)





## TERMINAL & CONNECTOR INSPECTION

1. Visually inspect all connectors related to the affected circuit for damage and secure connection.
2. Inspect terminals for damage and corrosion.

**CAUTION:** Avoid damaging connectors During the inspection process.

3. Are any problems found?

**NO:** Go to next step.

**YES:** After repairing the trouble part, check whether DTC occurs or not.

## INSPECTION PROCEDURE

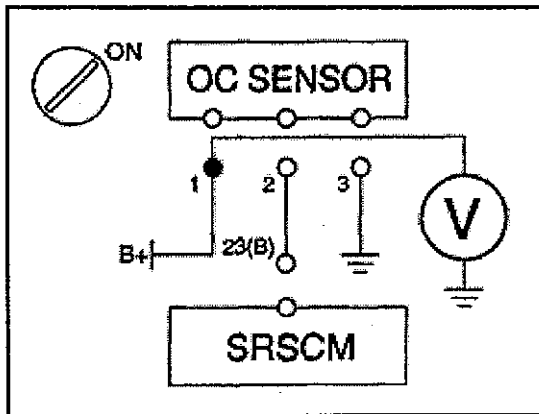
### 1. PREPARATION

1. Turn the ignition switch to LOCK.
2. Disconnect the negative (-) terminal from the battery and wait for at least 3 minutes.
3. Remove the DAB module and disconnect the DAB connector.
4. Disconnect the connectors of the PAB, SAB, CAB, BPT, BUPT, FIS and SIS.
5. Disconnect the SRSCM connector.

### 2. CHECK POWER TO OC SENSOR

1. Connect the negative (-) terminal to the battery.

- Turn the ignition switch to ON.



[Zoom]

[Sized for Print]

- Measure voltage between the terminal 1 of OC Sensor harness connector and chassis ground.

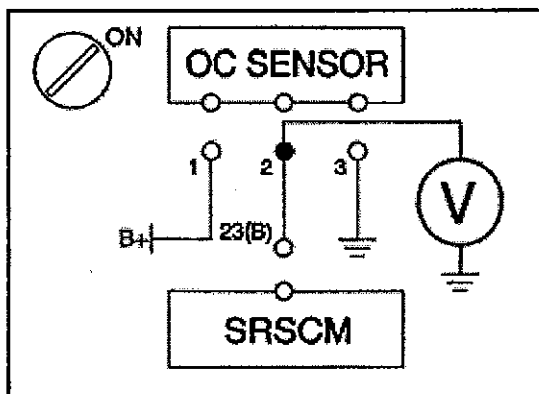
Specification:(voltage) Battery voltage

- Is the measured voltage within specification?

**YES:** Check short to battery line.

**NO:** Repair or replace the wiring harness between the OC Sensor and ignition switch.

- CHECK SHORT TO BATTERY LINE



[Zoom]

[Sized for Print]

- Measure voltage between the terminal 2 of OC Sensor harness connector and chassis ground.

Specification:(voltage) : Approximately **0 V**

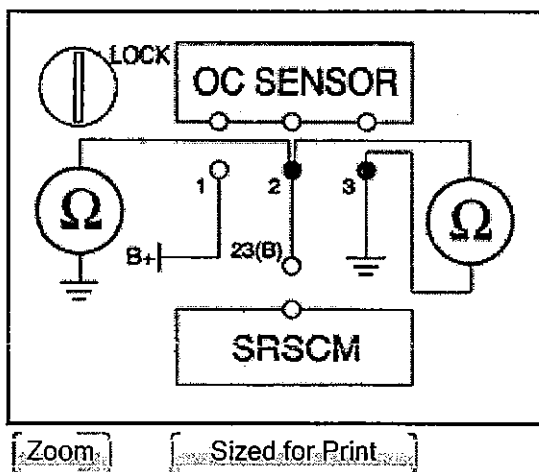
- Is the measured voltage within specification?

**YES:** Check short to ground.

**NO:** Repair the short to battery line circuit on wiring harness between the OC Sensor and the SRSCM.

#### 4. CHECK SHORT TO GROUND

- Disconnect the negative (-) terminal from the battery.
- Turn the ignition switch to LOCK.
- Disconnect the negative (-) terminal from the battery.
- Measure resistance between the terminal 2 of OC Sensor harness connector and chassis ground.



- Measure resistance between the terminal the terminal 2 and 3 of OC Sensor harness connector

Specification:(resistance) : Infinite

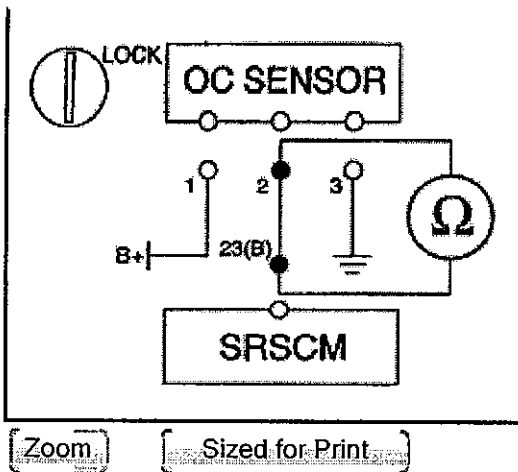
- Is the measured resistance within specification?

**YES:** Check OC Sensor Circuit.

**NO:** Repair or replace the wiring harness between the OC Sensor and the SRSCM.

#### 5. CHECK OC SENSOR CIRCUIT





1. Measure resistance between the terminal 2 of OC Sensor harness connector and the terminal 23 of the SRSCM harness connector(B).

specification(resistance) : below 1 Ohm

2. Is the measured resistance within specification?

**YES:** Check OC Sensor.

**NO:** Repair or replace the wiring harness between the OC Sensor and the SRSCM.

#### 6. CHECK OC SENSOR

1. Replace the OC Sensor with a new one. Refer to "OC SENSOR" section in this SERVICE MANUAL.
2. Install the DAB module and connect the DAB connector.
3. Connect the connectors of the PAB, SAB, CAB, BPT, FIS and SIS.
4. Connect the SRSCM connector.
5. Connect the negative (-) terminal to the battery.
6. Connect the a Hi-Scan(Pro) the the data link connector.
7. Turn the ignition switch to ON and check the vehicle again.
8. Does Hi-Scan(Pro) indicate any DTC related to OC Sensor?

**YES:** Go to next step.

**NO:** Replace the OC Sensor.

#### 7. CLEAR THE DTC AND CHECK THE VEHICLE AGAIN

1. Install the DAB module and connect the DAB connector.
2. Connect the connectors of the PAB, SAB, CAB, BPT, BUPT, FIS and SIS.
3. Connect the SRSCM connector.
4. Connect the negative (-) terminal to the battery.
5. Connect a Hi-Scan(Pro) to the data link connector.

6. Turn the ignition switch to ON
7. Clear the DTC stored in the SRSCM memory with the Hi-Scan(Pro).
8. Turn the ignition switch to LOCK and wait for at least **30 seconds** .
9. Turn the ignition switch to ON and wait for at least **30 seconds** .
10. Check the vehicle again with the Hi-Scan(Pro). Does the above DTC(s) go off?

**YES:** Problem is intermittent or was repaired and SRSCM memory was not cleared.

**NO:** Replace the SRSCM with a new one, and then check the vehicle again. At this time, if the vehicle normally operates with a new SRSCM, the fault may be the SRSCM(Replace SRSCM).