



Technical Service Bulletin

SUBJECT:		No: TSB-07-52B-003	
SEAT SIDE AIRBAG MODULE REPLACEMENT		DATE: November, 2007	
		MODEL: See Below	
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 PROCESSOR	<input type="checkbox"/> SALES MANAGER

PURPOSE

Some affected vehicles may exhibit the “SRS” warning light illuminated on the instrument panel and DTC B1421 Side Airbag Module (RH) (Squib) System Fault 2 or B1431 Side Airbag Module (LH) (Squib) System Fault 2 is recorded in the SRS ECU memory. If an affected vehicle has not been in a collision, and normal diagnostic procedures confirm that the side air bag is malfunctioning and should be replaced, the side air bag module can now be ordered and replaced separately. It is no longer necessary to replace the seatback assembly.

AFFECTED VEHICLES

- 2006 – 2008 Eclipse
- 2007 – 2008 Eclipse Spyder

WARNING

- **Never attempt to disassemble or repair the air bag modules. If faulty, replace the component.**
- **Do not drop the air bag modules or allow contact with water, grease, or oil. Replace the component if a dent, crack, deformation or rust is detected.**
- **Airbag modules should be stored on a flat surface with the pad cover facing upward. Do not place anything on top of it.**
- **Do not expose the airbag modules to temperature over 93°C (200°F).**
- **Wear gloves and safety glasses when handling airbags that have been deployed.**
- **When removing and installing the front passenger seat, be sure to carry out the accuracy check of the occupant classification sensor after the seat has been installed in the vehicle. Refer to “Accuracy Check of the Occupant Classification Sensor” under “On Vehicle Service” in Group 52B Supplemental Restraint System – SRS**
- **Airbag modules must be properly disposed of. Refer to group 52B – Supplemental Restraint System – SRS of the service manual for instructions relating to the proper disposal of airbags.**

PROCEDURE

Using the scan tool in “ALL DTCs” mode, scan the vehicle and record any DTCs that are displayed and in which ECU they are displayed in. Conduct regular troubleshooting steps outlined in the service manual for any DTCs and complete repairs for those faults (electrical connections, damaged wiring etc.) *prior to replacing any components.*

Prior to starting repairs, record the customer’s radio presets and disconnect the negative (–) battery post. Wait for a minimum of 60 seconds prior to making any disconnection of electrical connections related to the SRS system. **Refer to section 52B of the service manual for additional details on SRS Service Precautions.**

continued

FILE UNDER:

Group 52B Supplemental Restraint System in the Dealer Service Information Binder (3186)

⚠ WARNING DISCONNECT THE BATTERY AND WAIT 60 SECONDS PRIOR TO BEGINNING WORK ON REMOVING THE SEAT.

A. Seat Removal and Disassembly

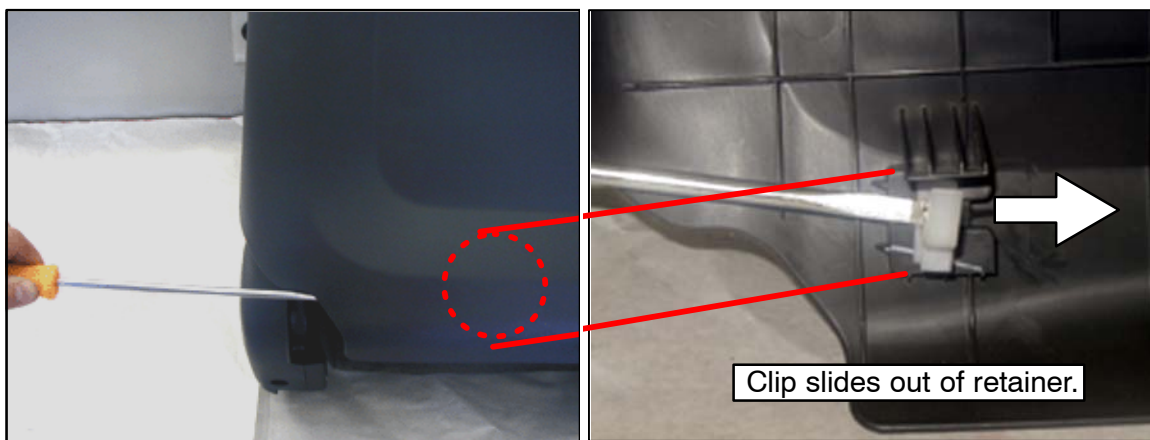
1. Refer to the the service manual, section 52A, and remove the applicable front seat from the vehicle. Place the removed seat on a clean workbench covered with a shop blanket or equivalent protection.

Note: Plastic interior parts scratch easily. Protect the surrounding areas from damage when removing the seat from the vehicle.

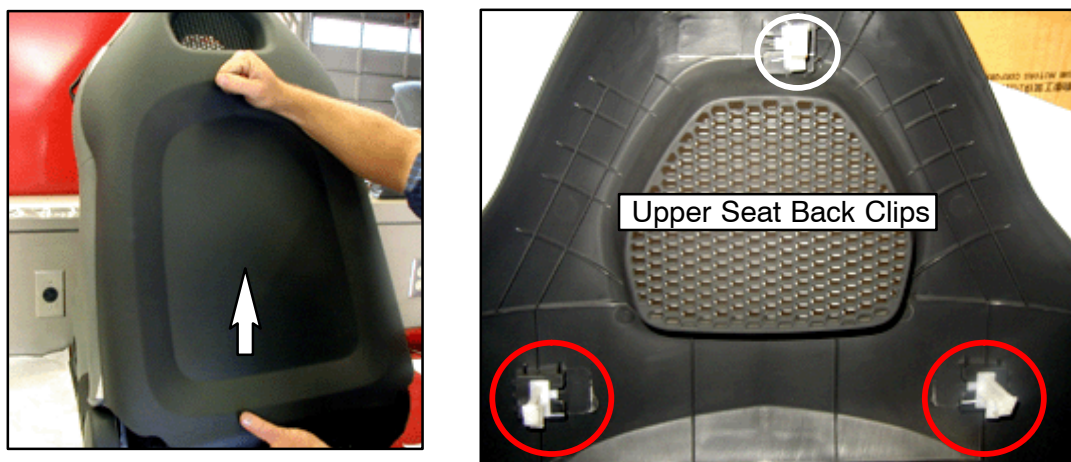
2. Remove the seatback panel to access the side air bag module connector and mounting nuts.

NOTE: It is not necessary to remove the bottom seat cushion.

- Using a screw driver, probe behind the seatback panel and push the lower left and right side retaining clips towards the center of the seat to release them from the panel. There is one on each side of the seat.



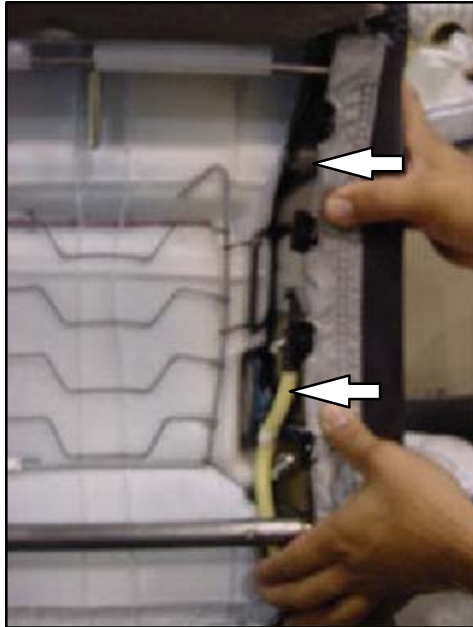
3. Lift up on the bottom edge of the seat back panel and strike the panel along the centerline just below the headrest opening as shown. This will release the upper retaining clips. Remove the seat back panel.



4. Inspect all of the seat back clips for damage. Replace any damaged clips (part # 6979A005) and reinstall the lower clips to their mounting points on the seat back.

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B. Air Bag Removal



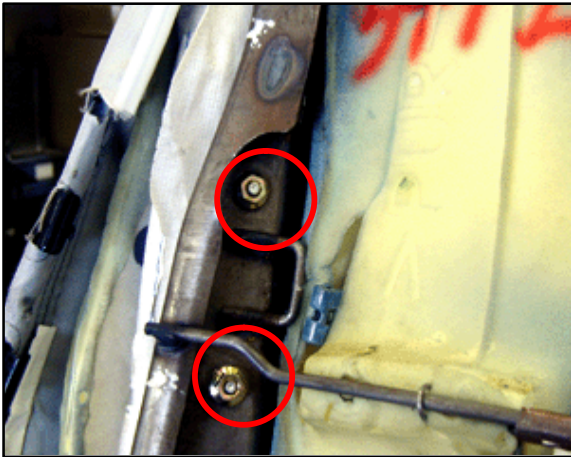
1. Push the hooks retaining the side cover inwards to release them from the seat frame.



2. Using a needle nosed pliers, remove the safety hook from the frame anchor. Note that it is very strong and will require an effort to release it.

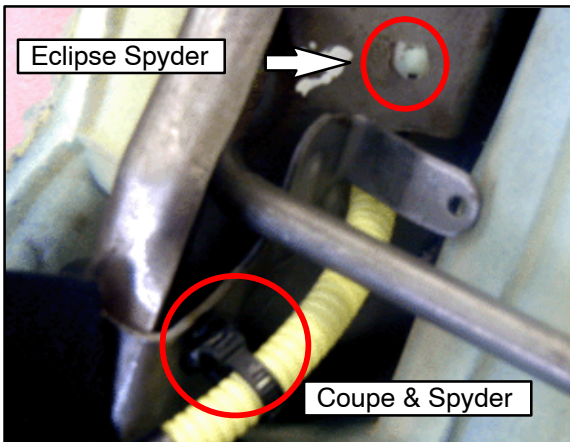
NOTE: THE SAFETY HOOK IS A SAFETY ITEM. REMEMBER TO REINSTALL IT DURING ASSEMBLY.

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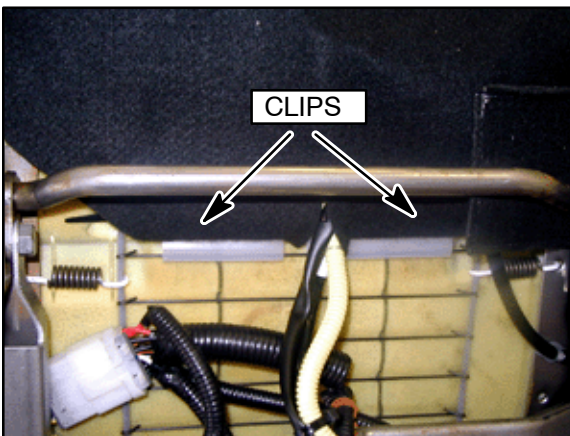


3. Remove the SRS module attaching nuts and retain them for use with the new air bag module. Remove the SRS module from the seat frame.

Take note of the harness routing for installation of the new module. Eclipse Spyder Shown. Coupe similar.



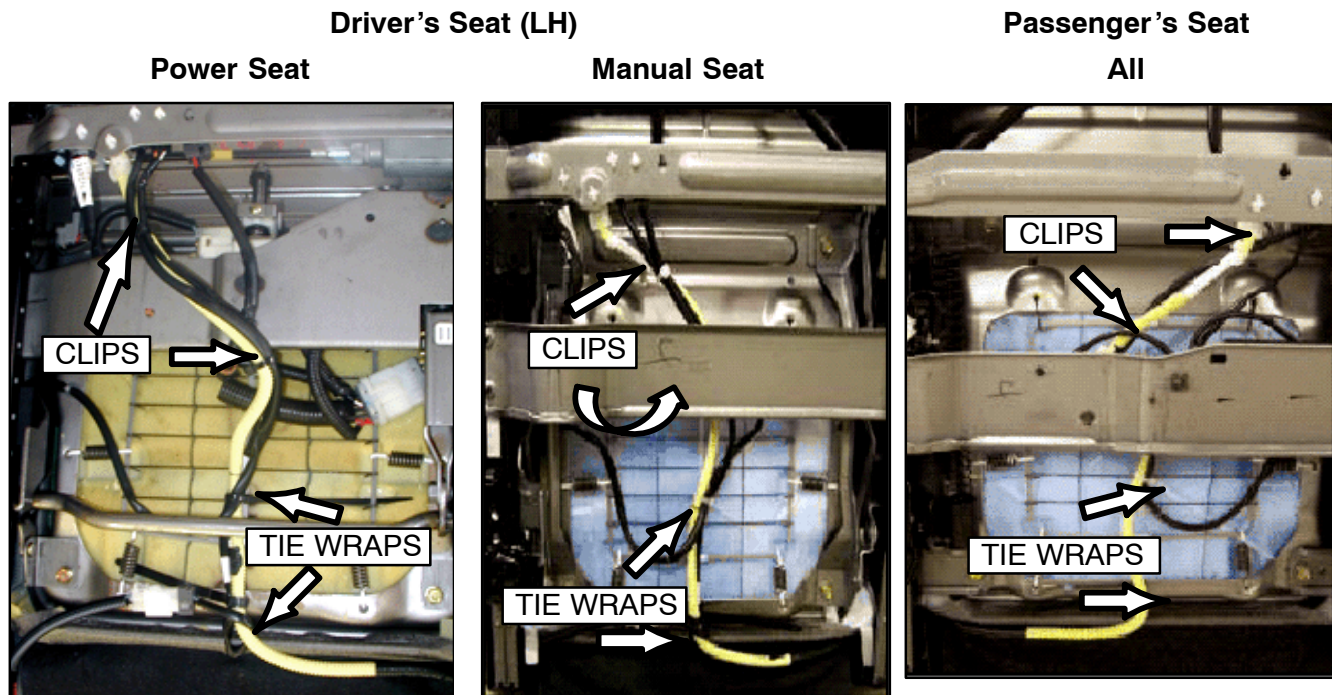
4. Using a needle nosed pliers, pull the black harness retaining clip out of the seat frame. On Eclipse Spyder, locate the end of the white retaining clip and push it through it's mounting hole to release it.



5. Reposition the seat on the bench to allow access to the underside of the seat. Release the two clips securing the lower seat trim and fold the trim up and over the seat back to allow access to the airbag wiring harness on the underside of the seat.

6. Locate the yellow harness on the underside of the seat assembly. Using pliers, remove the attachment clips and cut the white tie wraps securing the harness together. The black tie at the bottom of the photo can be detached and reused.

CAUTION USE CARE WHEN CUTTING THE HARNESS FREE. DO NOT CUT THE AIRBAG AND/OR SEAT BELT HARNESSES.



7. Reposition the seat and remove the airbag module from the seat frame.

NOTE: Take note of the harness routing for positioning the harness when installing the new module.

WARNING AIRBAG MODULES MUST BE PROPERLY DISPOSED OF. REFER GROUP TO 52B SUPPLEMENTAL RESTRAINT SYSTEMS - SRS OF THE SERVICE MANUAL FOR INSTRUCTIONS RELATING TO THE PROPER DISPOSAL OF AIRBAGS.

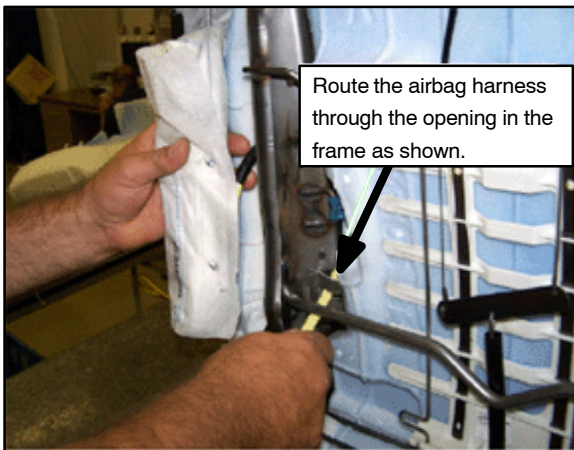
C. Airbag Module Installation

Install the new airbag module according to the following instructions.



CAUTION

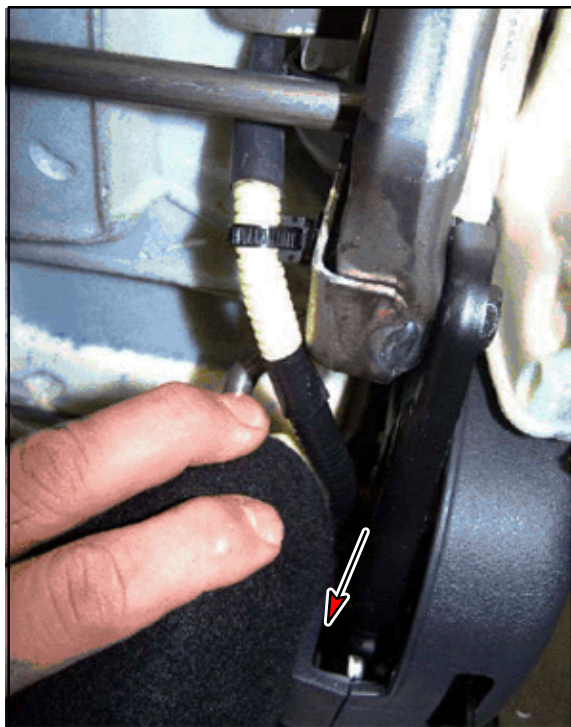
Confirm that you have the airbag for the correct seat application. The first letter of the serial number (L or R) relates to which seat the module is designed for. "L" is for the left hand seat and "R" is for the right hand seat.



1. Position the airbag between the seat cover and the frame side rail. Loop the harness down the outside of the frame and through the opening below the safety hook as shown

CAUTION

THE AIRBAG MODULE MUST BE INSTALLED IN THE PROPER DIRECTION, WITH THE HARNESS PROTRUDING TOWARDS THE TOP OF THE SEAT AND THEN LOOPING DOWN THE TO THE OPENING IN THE FRAME SIDE RAIL.



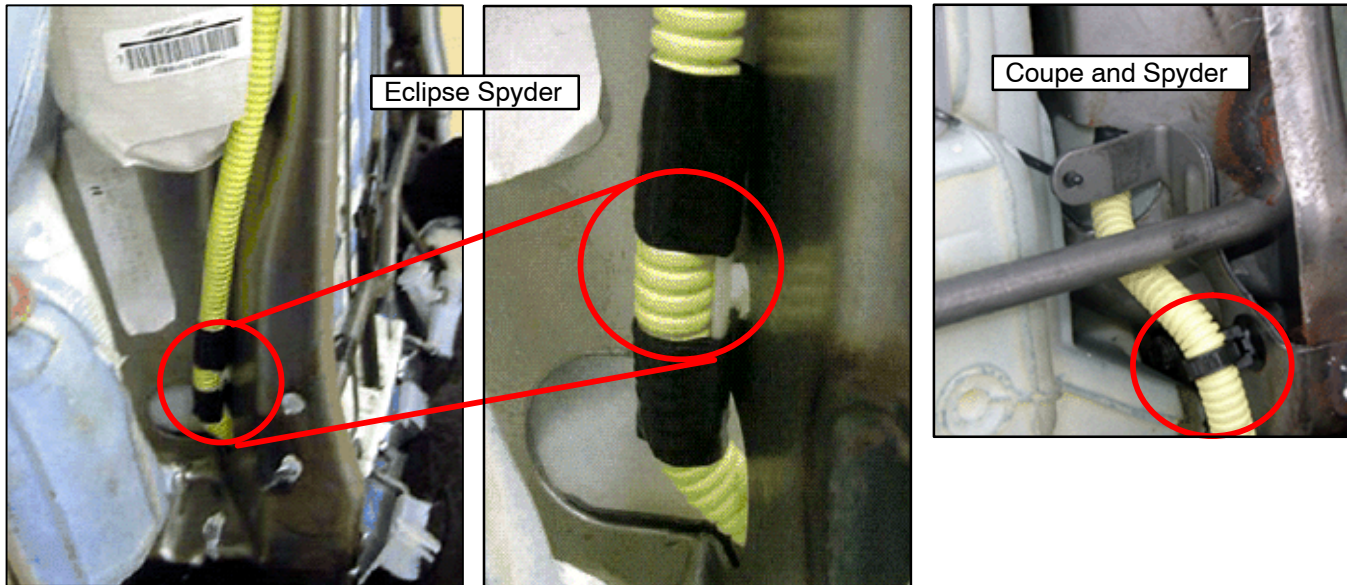
2. Route the harness behind the cross brace and between the inner plastic cover and the seat back assembly as shown.

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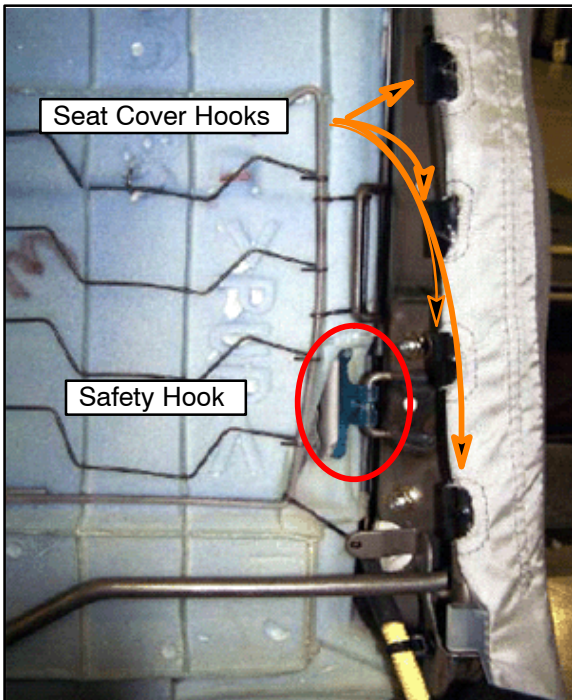


3. Align the air bag module mounting studs with the holes in the frame, hand start the fastener nuts retained during removal of the air bag and then torque them to specification. (4-6 Nm, 34-53 in lb)

4. Secure the harness to the frame using the appropriate clips. For the Spyder install the white clip as shown.

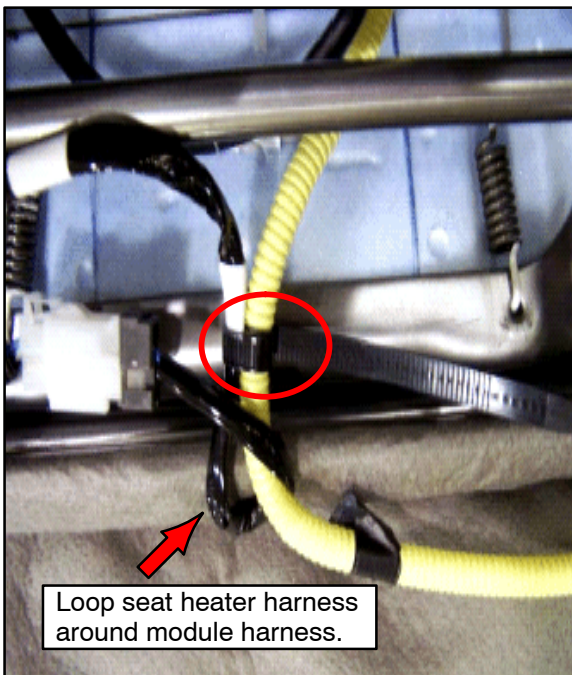


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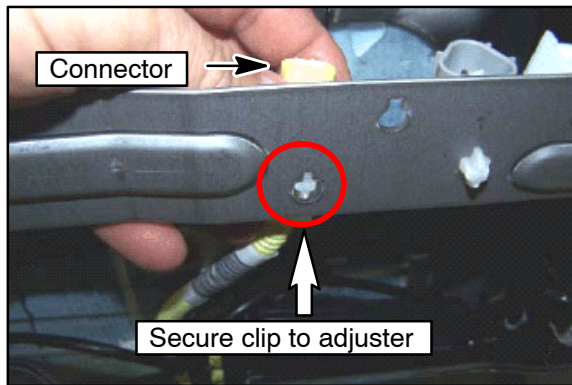
5. Reattach the safety hook, the 2 plastic hooks and the 4 black seat cover hooks to the seat frame as shown. It may be necessary to tap the hooks with a rubber mallet to ensure proper attachment.

NOTE: THE SAFETY HOOK MUST BE SECURELY SEATED TO ITS ANCHOR STRAP. IT MAY BE NECESSARY TO TAP IT INTO PLACE USING A RUBBER Mallet.



6. Place the seat on its back. If the seat is equipped with a seat heater, route the airbag module harness under the seat heater harness and secure the harnesses together as shown. If the seat is not equipped with a seat heater, secure the airbag module harness to the seat cushion pan with a black tie clip.

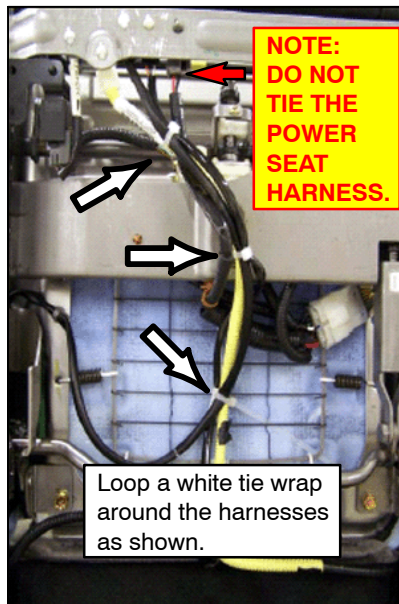
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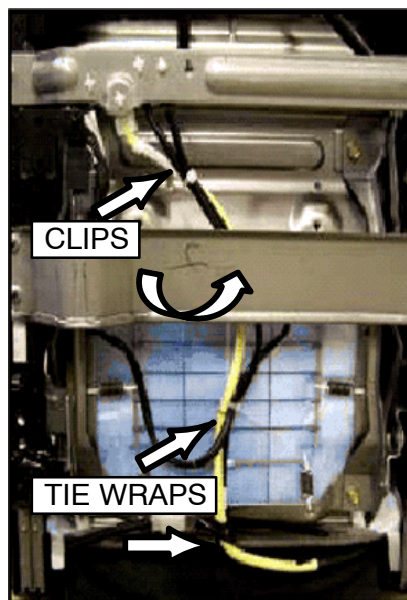
7. Secure the connector locating clip to the adjuster as shown.

8. Route the harness as shown.

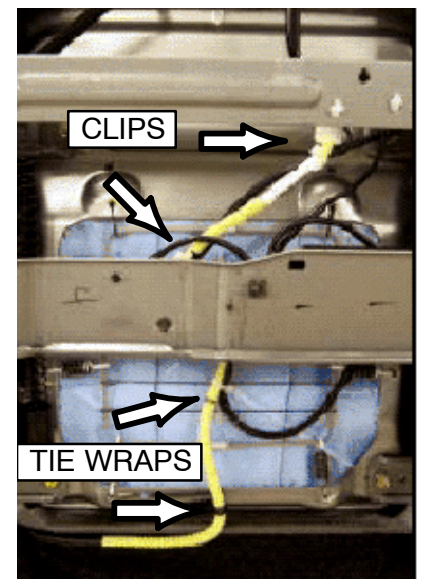
CAUTION Do not tie the seat power harness with the other harnesses.



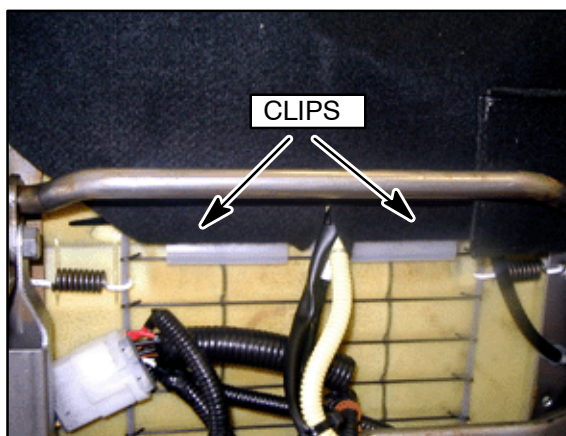
POWER SEAT (LH)



MANUAL SEAT (LH)



MANUAL SEAT (RH)



9. Wrap the bottom cloth around the seat and secure the clips to the second seat cushion support wire.


continued

D. Seat Reassembly and Installation

10. Place the seat upright. Check the condition and location of the retaining clips. Secure the rear cover to the back of the seatback.
11. Reinstall the seat into the vehicle, torquing all fasteners to spec. Refer to Group 52A – Interior, of the service manual for details.
12. Insure all electrical connections are secure.
13. Reconnect the battery and reset radio memory.
14. Using the scan tool, conduct “Occupant Classification Accuracy Check” as per the service manual. Refer to “Accuracy Check of the Occupant Classification Sensor” under “On Vehicle Service” in Group 52B Supplemental Restraint System – SRS
15. Using the scan tool, perform Erase and Read All DTCs”. Diagnose and repair any DTCs that recur.
16. Test drive the vehicle to insure that no BSR or seat operation/adjustments have been created.

PARTS INFORMATION

Use the genuine Mitsubishi Part listed below.

 **CAUTION** Ordering and installing the correct (LH/RH) airbag module is crucial. Installing the module to the incorrect seat will hamper inflation during impact.

Description	Part Number	Application/Comment
Side Airbag LH	MR306683	2006 – on Eclipse
Side Airbag RH	MR306684	2006 – on Eclipse
Side Airbag LH	MN121509	2007 – on Eclipse Spyder
Side Airbag RH	MN121510	2007 – on Eclipse Spyder
Hook, Frt. Seat	6979A005	Eclipse/Eclipse Spyder
Band, Frt. Seat White (Wire tie)	MR347763 (or equivalent)	As req'd
Band, Frt. Seat Black (Wire Tie)	MB953180 (or equivalent)	As req'd

continued

WARRANTY INFORMATION

This bulletin is supplied as technical information only and is not an authorization to repair.

If an affected vehicle is observed with the above condition, repair as described in this bulletin and submit a normal warranty claim as follows.

Seat Air Bag Module Replacement

Nature Code: 260

Cause Code: 59D

Labor Operation No LH: 52113095

Time Allowance: 0.7 hr.

Labor Operation No. RH: 52123095

Time Allowance: 0.7 hr.

Warranty Coverage:

Special Warranty Information: Normal warranty procedures apply.

Warranty Coverage:

Restraint System Coverage Terms: 5 years/60,000 miles

Replaced Part Retention Requirements

Retain all warranty replaced air bag modules for a period of 5 days from the claim payment date. If requested, parts must be returned to the requested address adherent to hazardous material shipping requirements. **See Section 10 of the Warranty Policy and Procedures Manual for Hazardous Materials shipping information.**

If not requested to be returned after 5 days from claim payment date have elapsed, warranty replaced airbag modules may be properly disposed of locally. **Refer to Section 52B – Supplemental Restraint System (SRS), of the service manual for instructions relating to the proper disposal of airbags.**

Mitsubishi Motors North America, Inc.

The information contained in this bulletin is subject to change. For the latest version of this document, go to the Mitsubishi Dealer Link, MEDIC, or the Mitsubishi Service Information website (www.mitsubishitechinfo.com)