

SECTION : 8A

SEAT BELTS

CAUTION : *Disconnect the negative battery cable before removing or installing any electrical unit or when a tool or equipment could easily come in contact with exposed electrical terminals. Disconnecting this cable will help prevent personal injury and damage to the vehicle. The ignition must also be in LOCK unless otherwise noted.*

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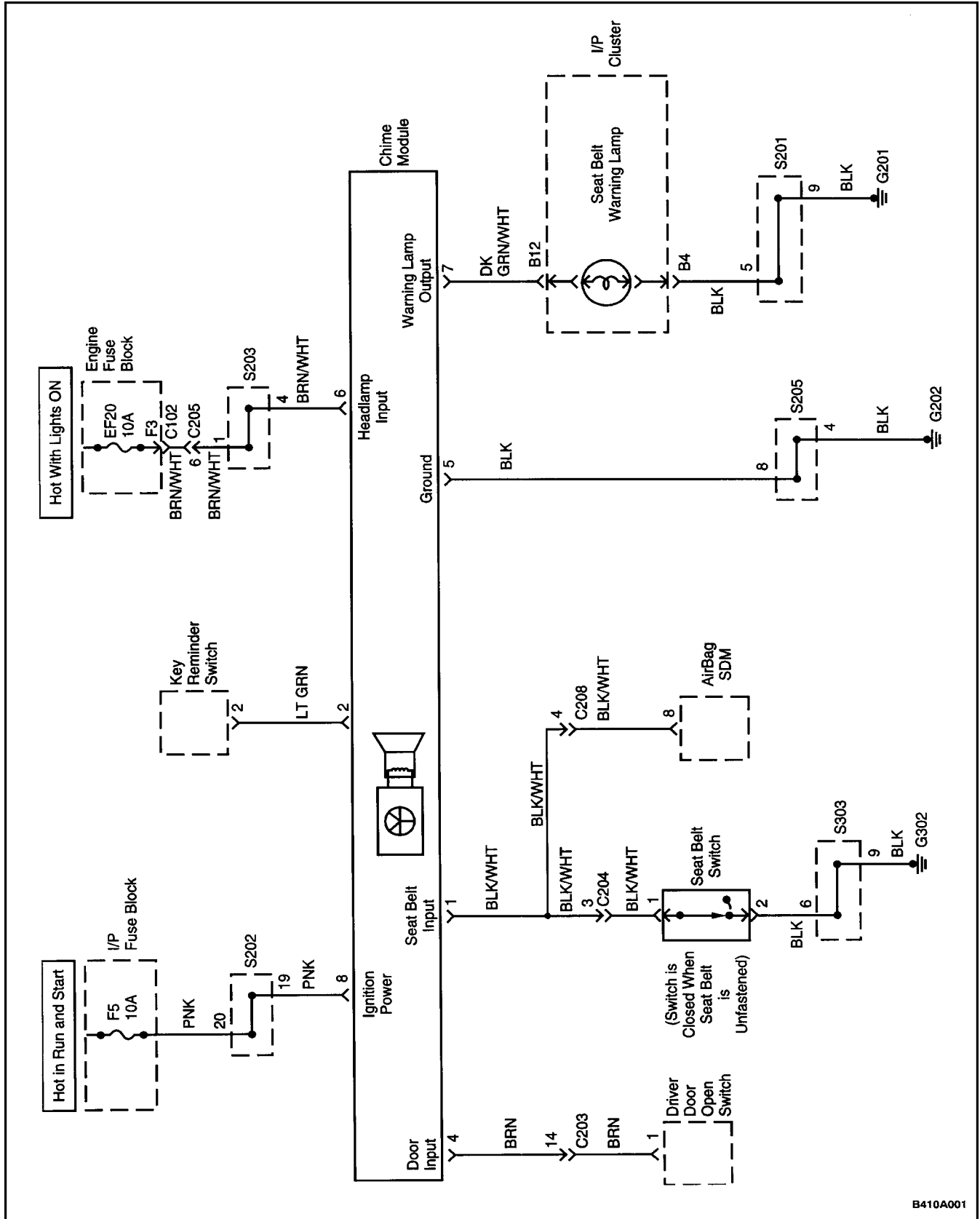
SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Application	N•m	Lb-Ft	Lb-In
Child Seat Tether Anchor Bolt	25	18	–
Seat Belt Anchor Bolt	35	26	–
Seat Belt Height Adjuster Bolts	19	14	–
Seat Belt Retractor Bolt	35	26	–
Seat Belt Retractor Screw	10	26	89

SCHEMATIC AND WIRING DIAGRAMS

DRIVER SEAT BELT WARNING



DIAGNOSIS

DRIVER SEAT BELT WARNING

Seat Belt Warning Lamp Does Not Turn On at Any Time

Step	Action	Value(s)	Yes	No
1	1. Unbuckle the seat belt. 2. Close the vehicle doors. 3. Turn the ignition ON. Is the seat belt warning chime OK?		Go to <i>Step 14</i>	Go to <i>Step 2</i>
2	Check the seat belt warning fuse F5. Is fuse F5 blown?		Go to <i>Step 3</i>	Go to <i>Step 4</i>
3	1. Check for a short circuit and repair if necessary. 2. Replace the fuse. Is the repair complete?		System OK	
4	1. Turn the ignition ON. 2. Check the voltage at fuse F5. Is the voltage equal to the specified value?	11–14 v	Go to <i>Step 6</i>	Go to <i>Step 5</i>
5	Repair the open power supply circuit for fuse F5. Is the repair complete?		System OK	
6	1. Disconnect the seat belt switch connector (located under the driver's seat). 2. Connect a jumper between the terminals on the harness side of the seat belt switch connector. 3. Turn the ignition ON. Does the seat belt warning lamp turn on?		Go to <i>Step 7</i>	Go to <i>Step 8</i>
7	Replace the seat belt switch. Is the repair complete?		System OK	
8	1. Disconnect the chime module electrical connector. 2. Turn the ignition ON. 3. Check the voltage at terminal 8 of the chime module connector. Is the voltage equal to the specified value?	11–14 v	Go to <i>Step 10</i>	Go to <i>Step 9</i>
9	Repair the open circuit between fuse F5 and the chime module. Is the repair complete?		System OK	
10	1. Leave the chime module connector disconnected. 2. Turn the ignition OFF. 3. Use an ohmmeter to measure resistance between ground and terminal 5 of the chime module. Is the resistance equal to the specified value?	$\approx 0 \Omega$	Go to <i>Step 12</i>	Go to <i>Step 11</i>
11	Repair the ground circuit for the chime module. Is the repair complete?		System OK	

8A – 4 SEAT BELTS

Step	Action	Value(s)	Yes	No
12	<ol style="list-style-type: none"> 1. Leave the chime module connector disconnected. 2. Turn the ignition OFF. 3. Make sure the driver's seat belt is buckled. 4. Use an ohmmeter to measure resistance between ground and terminal 1 of the chime module. <p>Is the resistance equal to the specified value?</p>	$\approx 0 \Omega$	Go to <i>Step 14</i>	Go to <i>Step 13</i>
13	<p>Repair the open circuit between ground and terminal 1 of the chime module connector.</p> <p>Is the repair complete?</p>		System OK	
14	<ol style="list-style-type: none"> 1. Remove the instrument cluster. 2. Check the seat belt warning lamp bulb. <p>Is the bulb OK?</p>		Go to <i>Step 16</i>	Go to <i>Step 15</i>
15	<p>Replace the warning lamp bulb.</p> <p>Is the repair complete?</p>		System OK	
16	<ol style="list-style-type: none"> 1. If the seat belt switch and the chime module were disconnected in a previous step, make sure that they have been reconnected. 2. Leave the seat belt unbuckled. 3. Turn the ignition ON. 4. Check the voltage at terminal A2 of the instrument cluster. <p>Is the voltage equal to the specified value?</p>	11–14 v	Go to <i>Step 20</i>	Go to <i>Step 17</i>
17	<ol style="list-style-type: none"> 1. Disconnect the chime module connector. 2. Use an ohmmeter to check for continuity between terminal 7 of the chime module connector and instrument cluster connector B12. <p>Did the ohmmeter indicate the specified value?</p>	$\approx 0 \Omega$	Go to <i>Step 19</i>	Go to <i>Step 18</i>
18	<p>Repair the open circuit between instrument cluster terminal A1 and ground.</p> <p>Is the repair complete?</p>		System OK	
19	<p>Replace the chime module.</p> <p>Is the repair complete?</p>		System OK	Go to <i>Step 14</i>
20	<p>Repair the open circuit between instrument cluster terminal B4 and ground.</p> <p>Is the repair complete?</p>		System OK	Go to <i>Step 14</i>

Seat Belt Warning Chime Does Not Work

Step	Action	Value(s)	Yes	No
1	<ol style="list-style-type: none"> 1. Leave the seat belt unbuckled. 2. Close the vehicle doors. 3. Turn the ignition ON. <p>Is the seat belt warning lamp ON?</p>		Go to <i>Step 2</i>	Go to "Seat Belt Warning Lamp Does Not Turn On at Any Time"
2	<p>Replace the warning chime module.</p> <p>Is the repair complete?</p>		System OK	

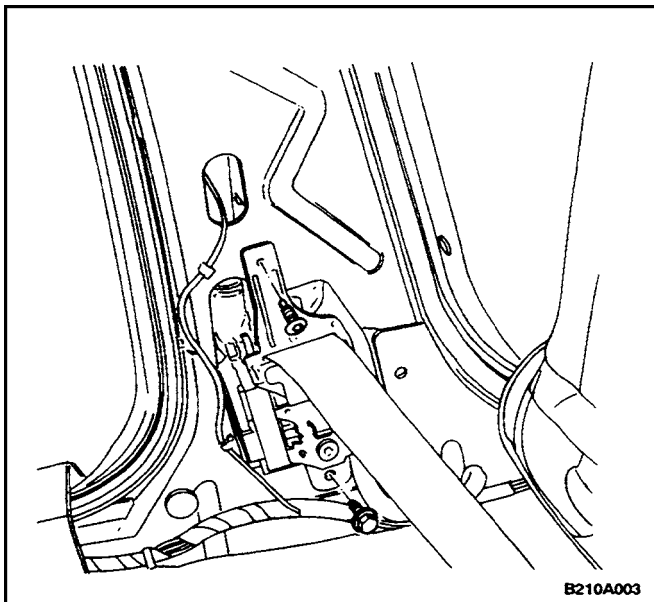
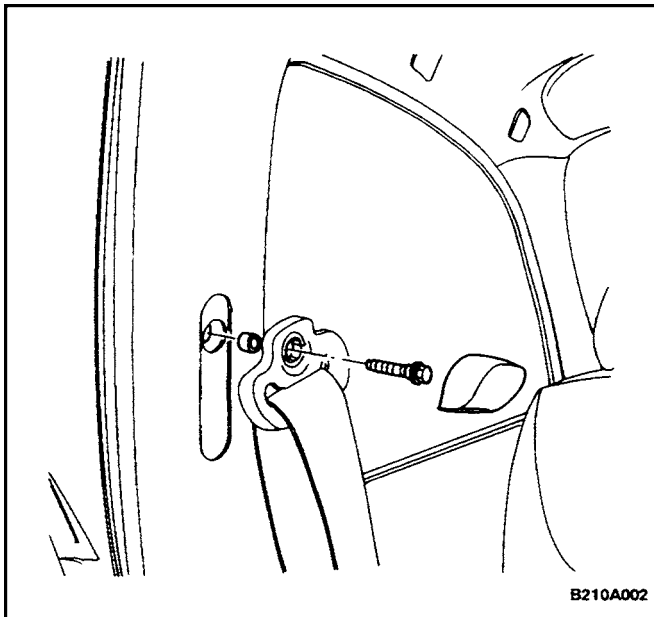
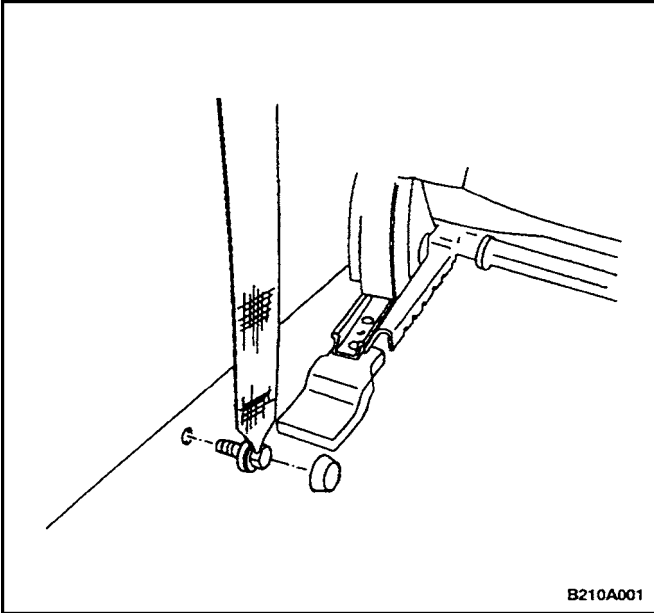
MAINTENANCE AND REPAIR

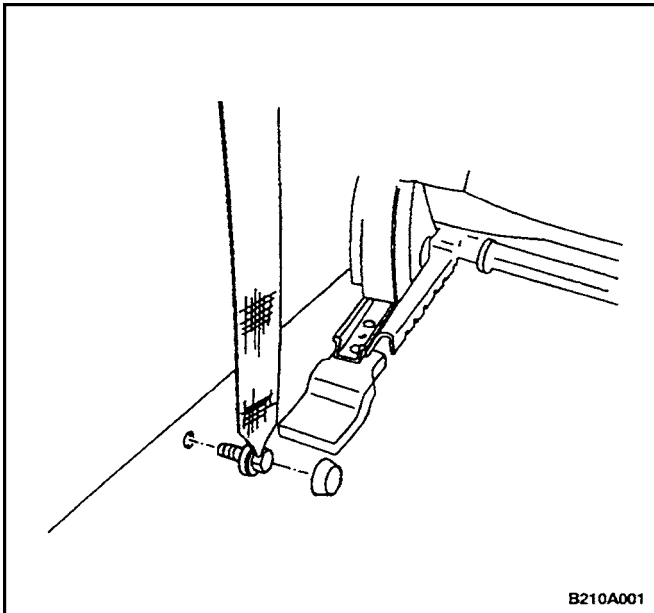
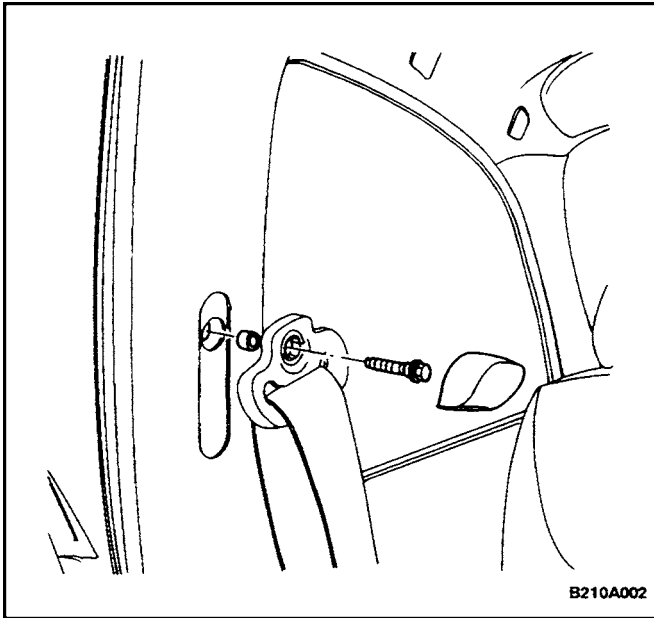
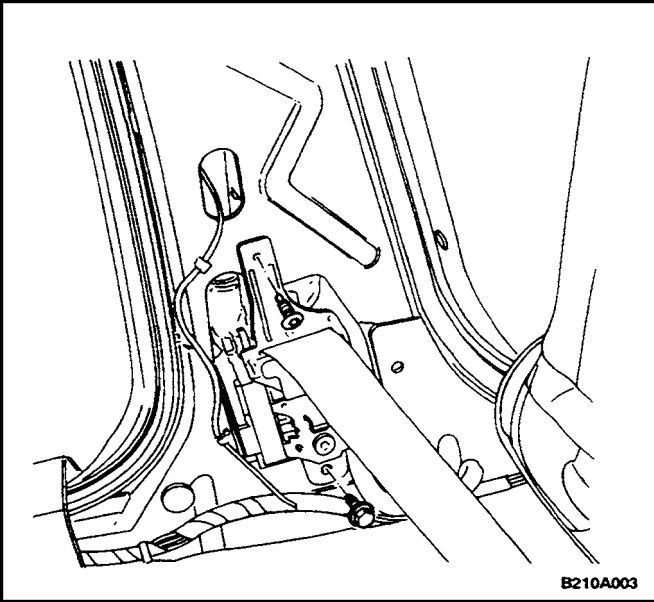
ON-VEHICLE SERVICE

PRETENSIONER FRONT SEAT BELT

Removal Procedure

1. Remove the plastic cap to reveal the lower B-pillar seat belt anchor.
2. Remove the bolt and the lower B-pillar seat belt anchor.
3. Remove the lower B-pillar trim panel. Refer to *Section 9G, Interior Trim*.
4. Remove the plastic cap to reveal the upper B-pillar seat belt anchor.
5. Remove the bolt and the upper B-pillar seat belt anchor.
6. Remove the bolt, the screw, and the seat belt retractor.





Installation Procedure

CAUTION : Failure to install the correct retractor screw may cause the pretensioner seat belt to malfunction, possibly resulting in personal injury.

Notice : Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the seat belt retractor with the bolt and the screw.

Tighten

Tighten the seat belt retractor bolt to 35 N•m (26 lb-ft).

Tighten

Tighten the seat belt retractor screw to 10 N•m (89 lb-ft).

2. Install the upper B-pillar seat belt anchor with the bolt.

Tighten

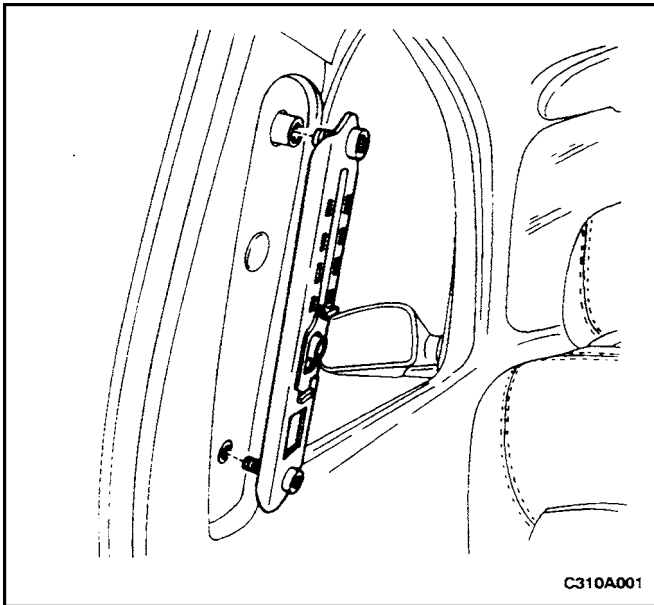
Tighten the seat belt anchor bolt to 35 N•m (26 lb-ft).

3. Install the seat belt anchor plastic cap.
4. Install the lower B-pillar trim panel. Refer to Section 9G, Interior Trim.
5. Install the lower B-pillar seat belt anchor with the bolt.

Tighten

Tighten the seat belt anchor bolt to 35 N•m (26 lb-ft).

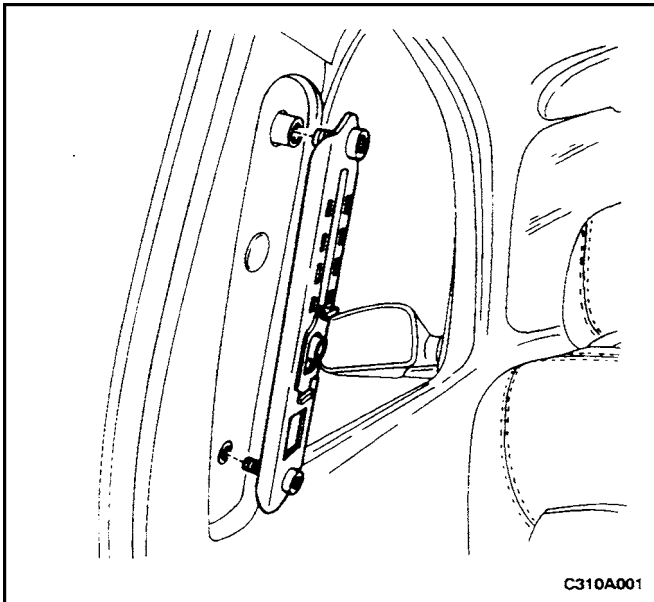
6. Install the seat belt anchor plastic cap.



FRONT SEAT BELT HEIGHT ADJUSTER

Removal Procedure

1. Remove the upper B-pillar trimpanel. Refer to *Section 9G, Interior Trim*.
2. Remove the bolts and the seat belt height adjuster.



Installation Procedure

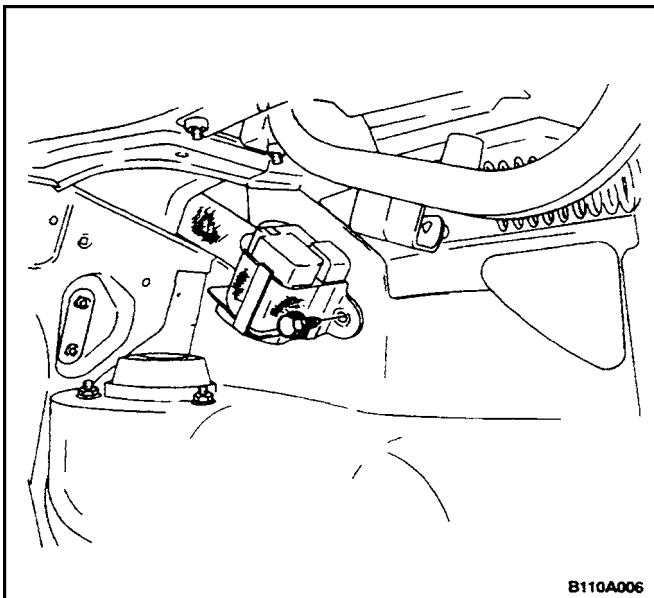
Notice : Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the seat belt height adjuster with the bolts.

Tighten

Tighten the seat belt height adjuster bolts to 23 N•m (17 lb–ft).

2. Install the upper B-pillar trim panel. Refer to *Section 9G, Interior Trim*.

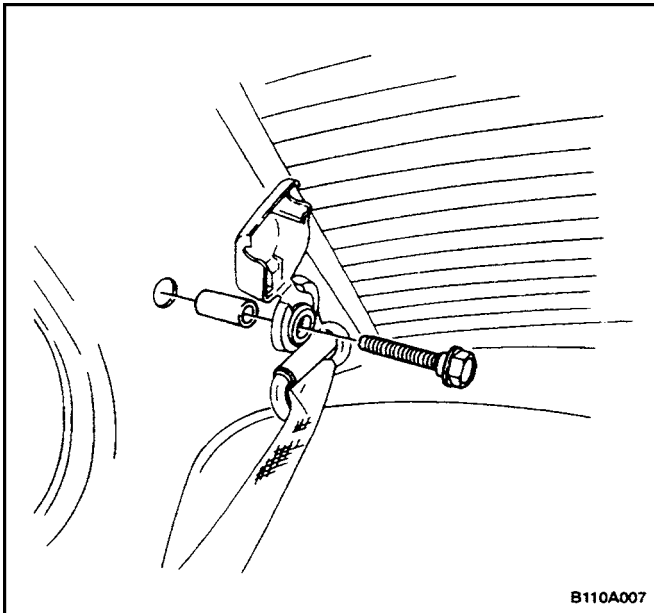


THREE-POINT CLR REAR OUTBOARD SEAT BELT

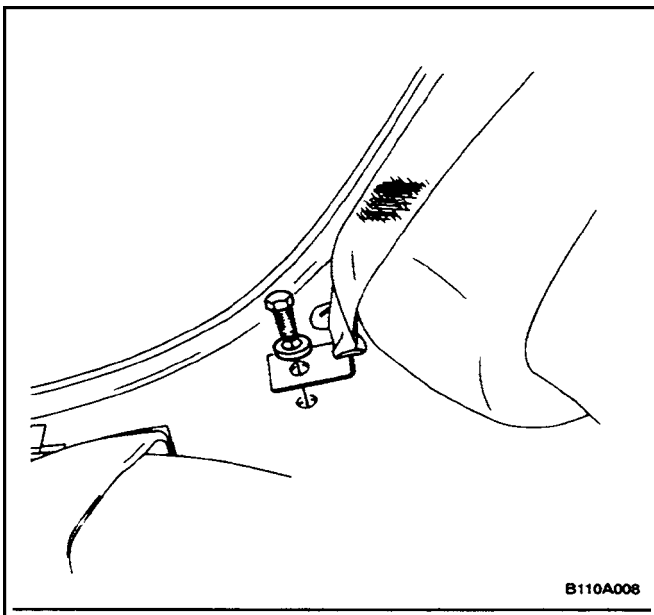
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Removal Procedure

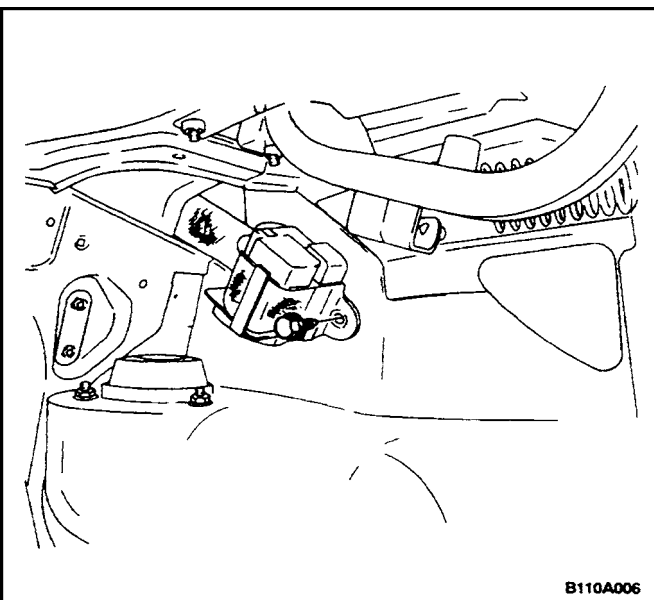
1. Open the luggage compartment.
2. Remove the luggage compartment wheelhouse trim panel. Refer to *Section 9G, Interior Trim*.
3. Remove the bolt and the luggage compartment seat belt retractor.



4. Reposition the plastic cap to reveal the C-pillar seat belt anchor bolt.
5. Remove the bolt and the C-pillar seat belt anchor.



6. Remove the rear seat cushion. Refer to *Section 9H, Seats*.
7. Remove the bolt and the floor seat belt anchor.
8. Remove the seat belt.



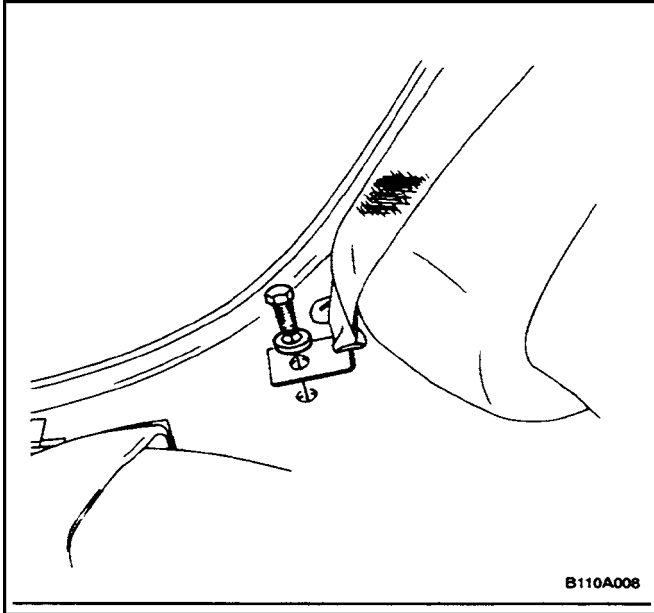
Installation Procedure

Notice : Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the luggage compartment seat belt retractor with the bolt.

Tighten

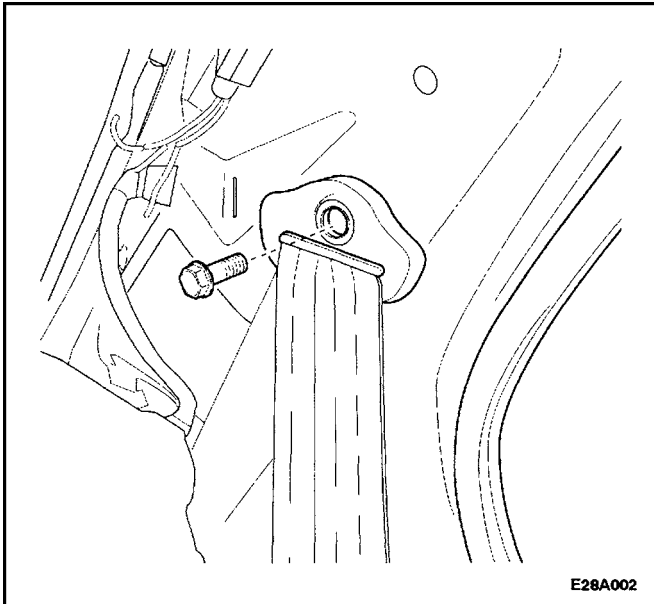
Tighten the seat belt retractor bolt to 35 N•m (26 lbf).



2. Feed the free end of the seat belt from the luggage compartment through the deck lid sill plate.
3. Install the floor seat belt anchor with the bolt.

Tighten

Tighten the seat belt anchor bolt to 35 N•m (26 lb–ft).

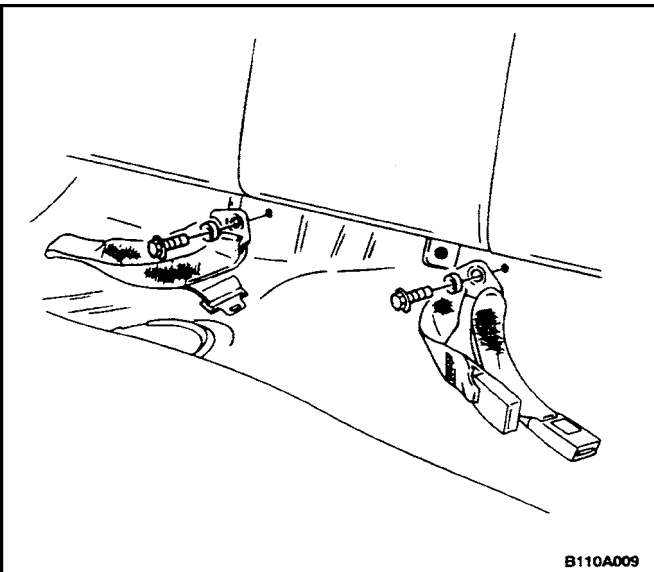


4. Remove the rear seat cushion. Refer to *Section 9H, Seats*.
5. Install the C-pillar seat belt anchor with the bolt.

Tighten

Tighten the seat belt anchor bolt to 35 N•m (26 lb–ft).

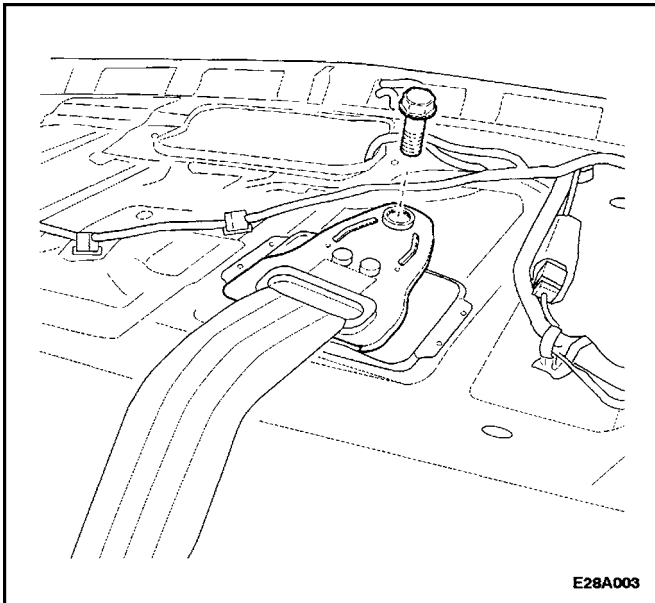
6. Install the seat belt anchor plastic cover to its original position.
7. Install the luggage compartment wheelhouse trim panel. Refer to *Section 9G, Interior Trim*.



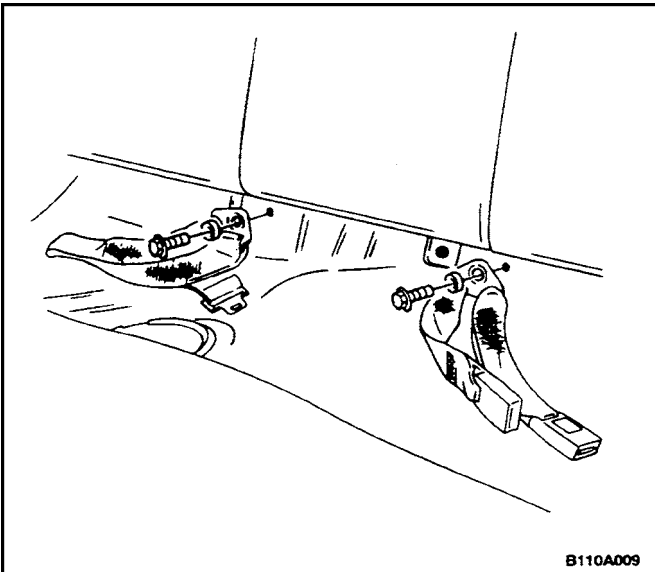
THREE-POINT CLR REAR CENTER SEAT BELT

Removal Procedure

1. Remove the rear seat cushion. Refer to *Section 9H, Seats*.
2. Remove the bolts and the seat belt anchors.



3. Remove the C-pillar trim. Refer to *Section 9G, Interior Trim*.
4. Remove the deck lid sill plate cover. Refer to *Section 9G, Interior Trim*.
5. Remove the center seat belt retractor with the bolt.



Installation Procedure

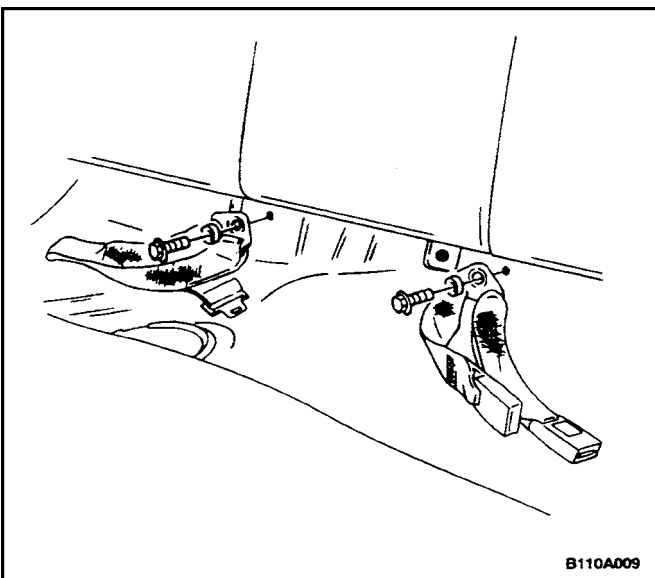
Notice : Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the center seat bolts retractor with the bolt.

Tighten

Tighten the center seat belt retractor bolts to 35 N•m (26 lb–ft).

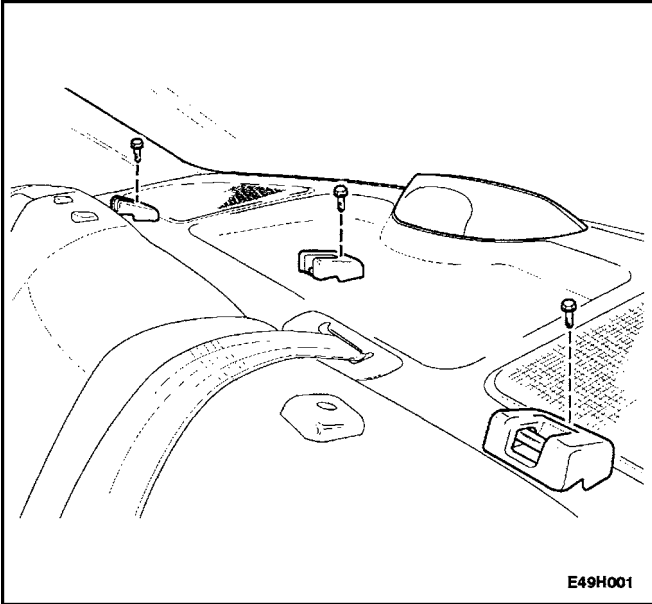
2. Install the rear seat cushion. Refer to *Section 9H, Seats*.



CHILD SEAT TETHER ANCHOR

Removal Procedure

1. Open the tether anchor access cap.
2. Remove the bolt and the tether anchor.



Installation Procedure

Notice : Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the tether anchor with the bolt.

Tighten

Tighten the child seat tether anchor bolt to 25 N•m (18 lb–ft).

2. Close the tether anchor access cap.

GENERAL DESCRIPTION AND SYSTEM OPERATION

DRIVER SEAT BELT WARNING

The driver's safety belt incorporates a safety belt reminder light in the instrument cluster to remind the driver if the safety belt is not fastened when the the ignition is turned ON.

PRETENSIONER FRONT SEAT BELT

The pretensioner front seat belt contains a mechanically controlled pyrotechnical retractor which reduces seat belt slack when it is activated in a head-on or angled front collision. The pretensioner front seat belt must be replaced after an accident that causes its activation.

THREE-POINT CLR REAR OUTBOARD SEAT BELT

Three-point CLR seat belts are standard for the rear seat outboard passenger positions. The CLR seat belt has two operation modes. Normally, the seat belt allows the passenger freedom of movement except in emergency situations. However, when the belt is fully extended and released, the seat belt does not allow movement and is designed to hold a child seat firmly to the rear seat.

TWO-POINT LAP REAR CENTER SEAT BELT

The two-point lap rear center seat belt is a single continuous length of webbing. The webbing is routed from the anchor through a latch plate and into a single retractor.

OPERATIONAL AND FUNCTIONAL CHECKS

- Keep sharp objects and potentially damaging objects away from the seat belts.
 - Avoid bending or damaging any portion of the buckle or the latch plate.
 - Do not bleach or dye the belt webbing. Use only mild soap and water in order to clean the belts.
 - When installing the seat belt anchor bolts and the screws, start the bolts and the screws by hand in order to prevent cross-threading.
 - Do not attempt any repairs on the retractor mechanisms or the covers. Replace any defective assemblies with new assemblies.
 - Replace any belts that are cut or damaged in any way.
1. Inspect all seat belt anchor bolts and the screws in order to verify that they are secure.
 2. Inspect the seat belt buckle. The buckle must lock and unlock easily.
 3. After inserting the latch into the buckle, tug sharply on the belt. The buckle must remain locked.
 4. Fully extend the shoulder belt portion to make sure that there is no twisting or tears in the belt.
 5. Let the shoulder belt retract fully. The belt should retract easily.

CHILD SEAT TETHER ANCHOR

There are three child seat tether anchors located on the read deck lid sill plate. There is one anchor for each rear seat position.