

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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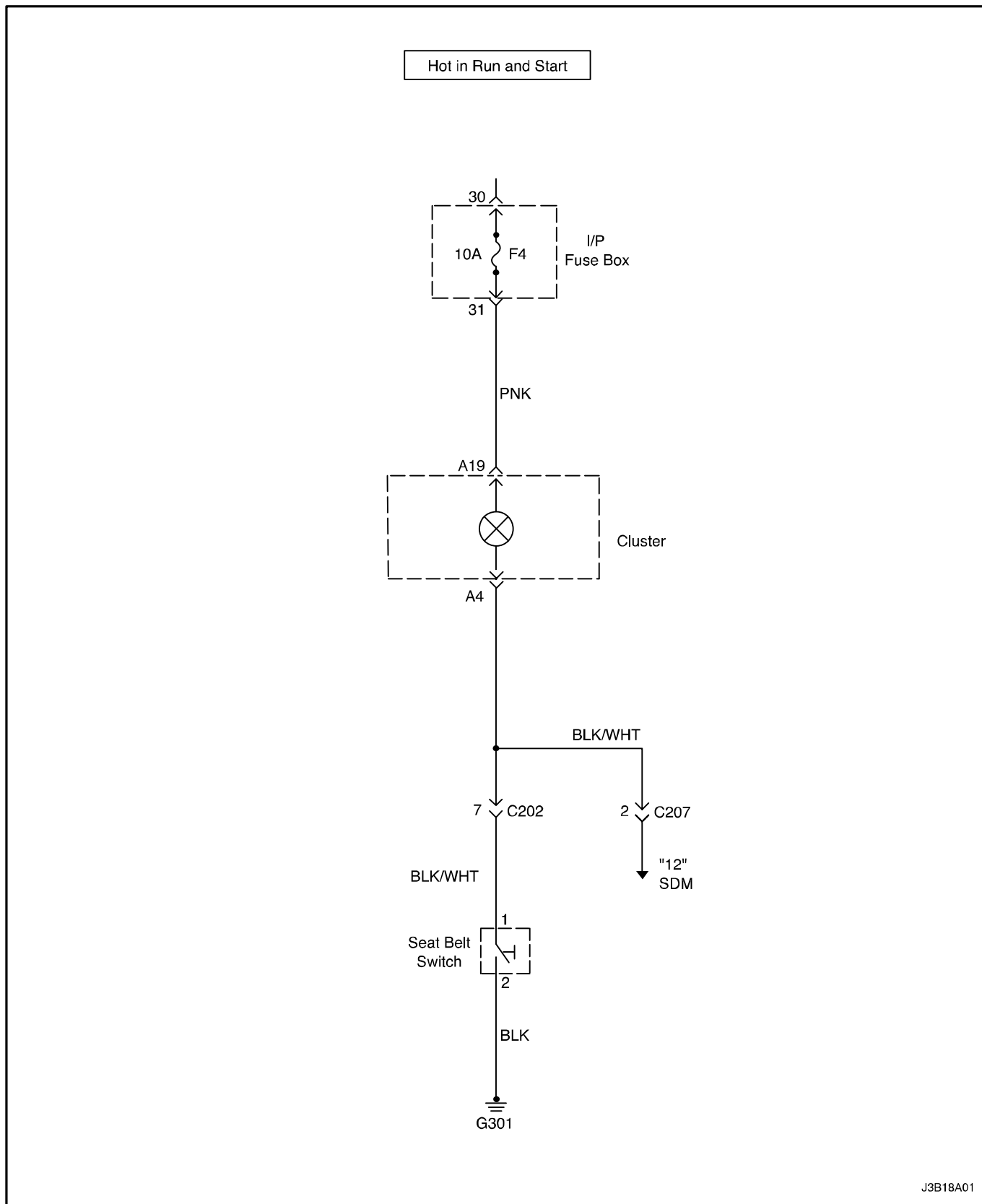
SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Application	N•m	Lb-Ft	Lb-In
Child Seat Tether Anchor Bolt	25	18	–
Front Seat Belt Height Adjuster Bolts	23	17	–
Seat Belt Anchor Bolt	38	28	–
Seat Belt Retractor Bracket Screws	3	–	27
Seat Belt Retractor Bolt	38	28	–

SCHEMATIC AND ROUTING 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	Check the seat belt warning fuse F4. Is fuse F4 blown?	–	Go to <i>Step 2</i>	Go to <i>Step 3</i>
2	1. Check for a short circuit and repair if necessary. 2. Replace the fuse. Is the repair complete?	–	System OK	–
3	1. Turn the ignition ON. 2. Check the voltage at fuse F4. Is the voltage equal to the specified value?	11–14 v	Go to <i>Step 5</i>	Go to <i>Step 4</i>
4	Repair the open power supply circuit for fuse F4. Is the repair complete?	–	System OK	–
5	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 6</i>	Go to <i>Step 7</i>
6	Replace the seat belt switch. Is the repair complete?	–	System OK	–
7	1. Remove the instrument cluster. 2. Check the seat belt warning lamp bulb. Is the bulb OK?	–	Go to <i>Step 9</i>	Go to <i>Step 8</i>
8	Replace the warning lamp bulb. Is the repair complete?	–	System OK	–
9	Repair the open circuit between instrument cluster terminal A11 and ground. Is the repair complete?	–	System OK	–

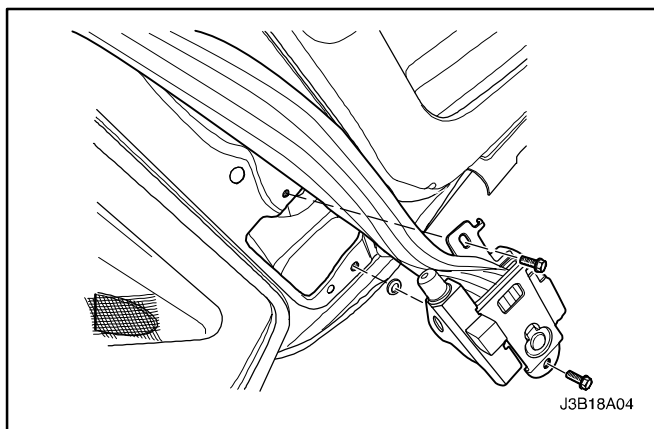
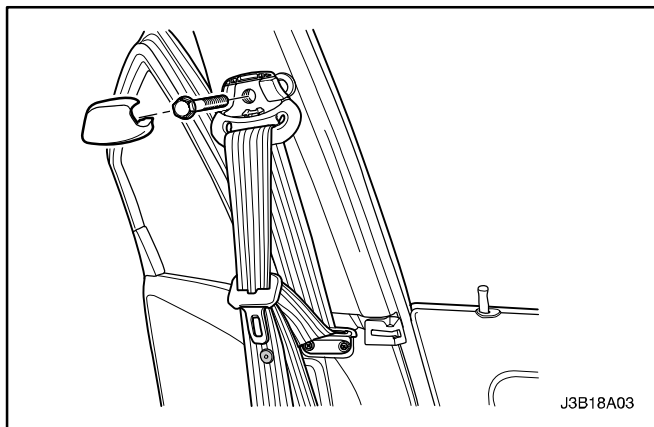
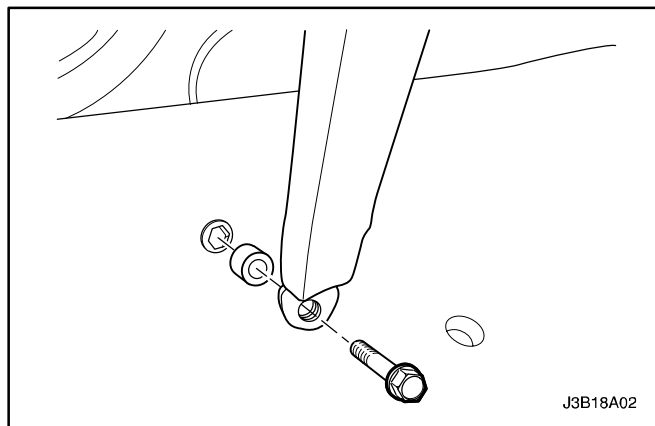
MAINTENANCE AND REPAIR

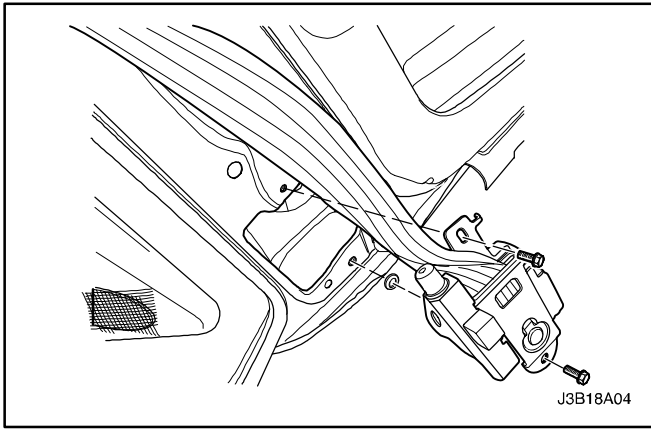
ON-VEHICLE SERVICE

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 screws from the seat belt retractor bracket.
7. Remove the bolt and the seat belt retractor.





Installation Procedure

CAUTION : Failure to install the correct retractor screw can cause the pretensioner seat belt to malfunction in an accident, 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.

Tighten

Tighten the seat belt retractor bolt to 38 N•m (28 lb–ft).

2. Install the seat belt retractor bracket with the screw.

Tighten

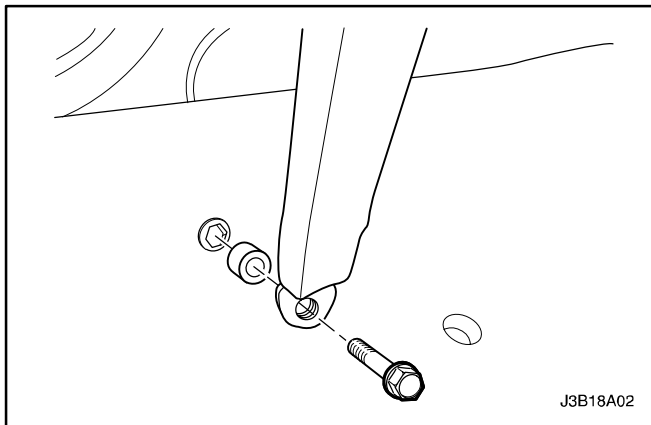
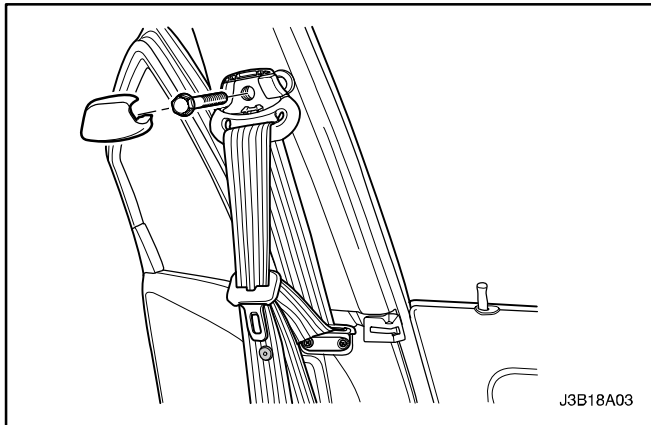
Tighten the seat belt bracket screw to 3 N•m (27 lb–in).

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

Tighten

Tighten the seat belt anchor bolt to 38 N•m (28 lb–ft).

4. Install the seat belt anchor plastic cap.



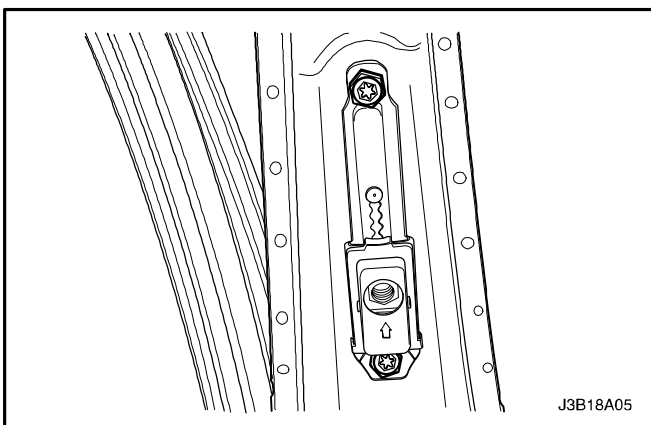
5. Install the lower B-pillar trim panel. Refer to Section 9G, Interior Trim.

6. Install the lower B-pillar seat belt anchor with the bolt.

Tighten

Tighten the seat belt anchor bolt to 38 N•m (28 lb–ft).

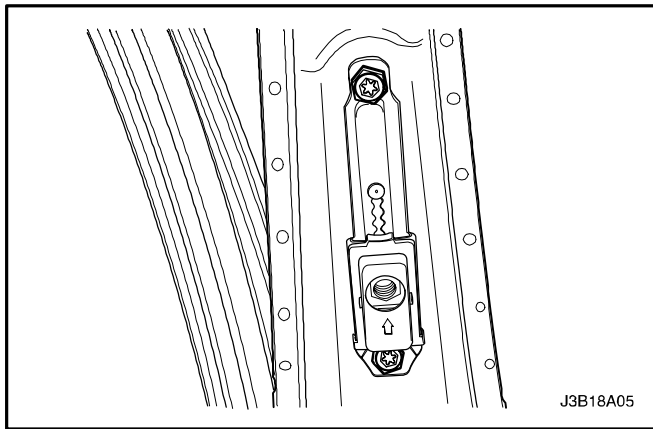
7. Install the seat belt anchor plastic cap.



FRONT SEAT BELT HEIGHT ADJUSTER

Removal Procedure

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



Installation Procedure

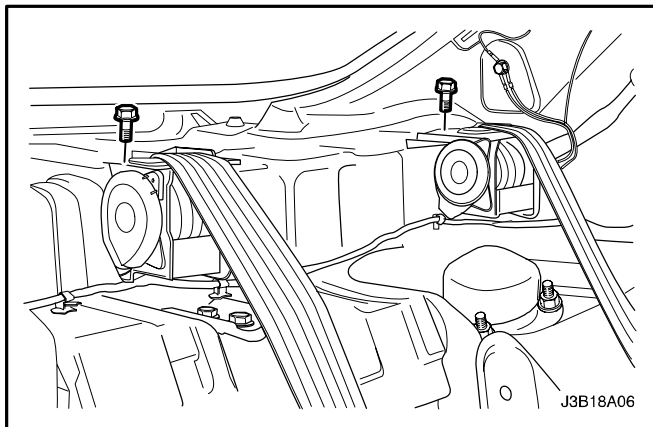
Notice : Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

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

Tighten

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

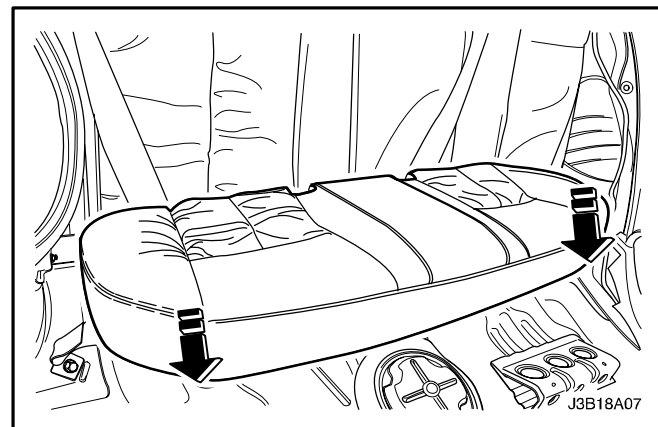
2. Install the upper B-pillar trim panel. Refer to *Section 9G, Interior Trim*.



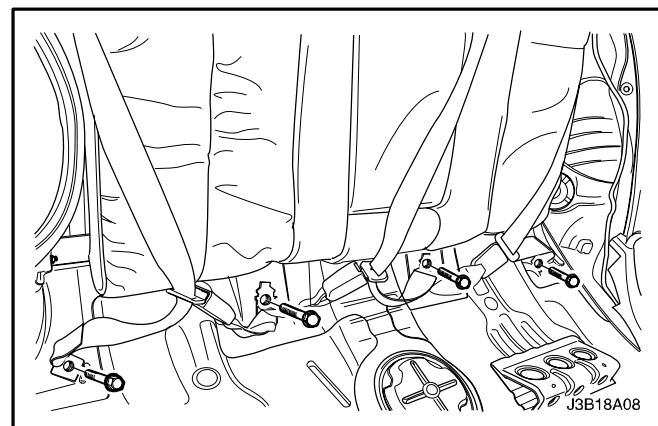
THREE-POINT REAR SEAT BELT (LH,CENTER, RH)

Removal Procedure

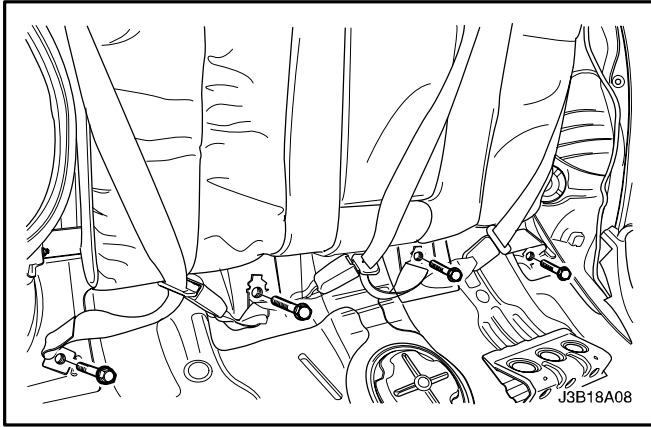
1. Remove the back shelf panel. Refer to *Section 9G, Interior Trim*.
2. Remove the rear seat belt retractor securing bolts (LH, CENTER, RH) from the back panel.



3. Remove the rear seat cushion. Refer to *Section 9H, SEATS*.



4. Remove the floor seat belt anchor bolts.
5. Remove the seat belt.



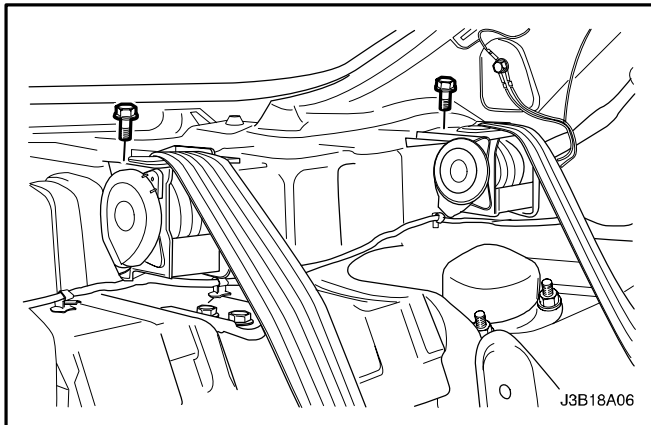
Installation Procedure

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 floor seat belt anchor bolts.

Tighten

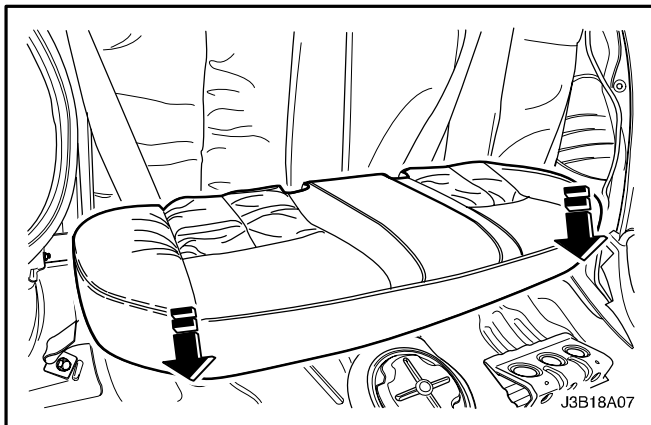
Tighten the floor seat belt anchor bolt to 38 N•m (28 lb–ft).



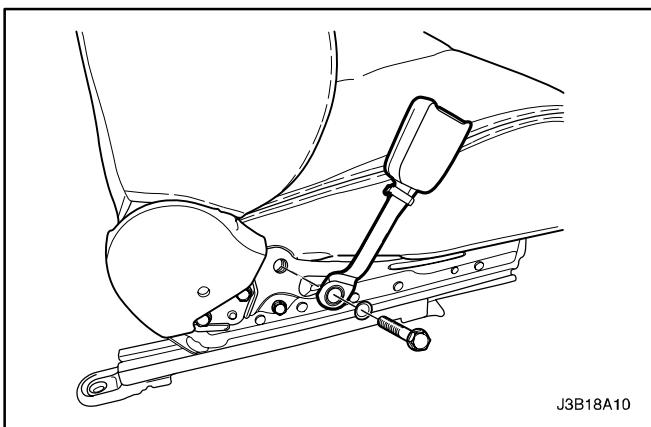
2. Install the rear seat belt retractor bolts (LH, CENTER, RH) on the back panel.

Tighten

Tighten the rear seat belt retractor bolts to 38 N•m (28 lb–ft).



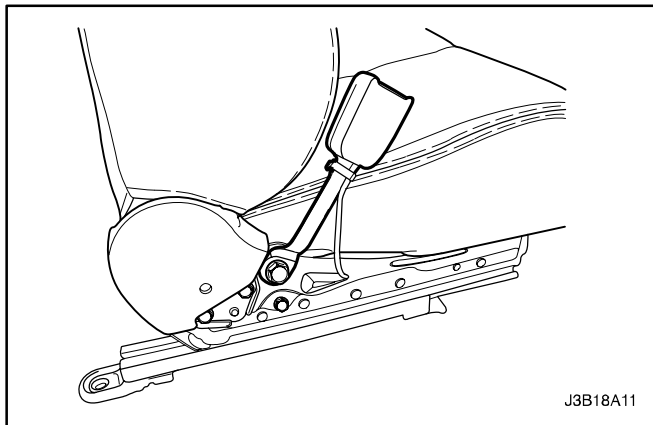
3. Install the rear seat cushion. Refer to *Section 9H, SEATS*.
4. Install the back shelf panel. Refer to *Section 9G, Interior Trim*.



FRONT SEAT BELT BUCKLE

Removal Procedure

1. Remove the front seat belt bolt and washer.
2. In case of driver seat belt buckle, remove the electrical connector.



Installation Procedure

1. Install the front seat belt bolt and washer.

Tighten

Tighten the front seat belt bolt to 42 N•m (31 lb–ft).

2. In case of driver seat belt buckle, connect the electrical connector.

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.

THREE-POINT ELR FRONT SEAT BELT WITH PRETENSIONER

The three-point emergency locking retractor (ELR) front seat belt pretensioner is always unlocked, allowing the passenger freedom of movement, except in emergencies such as rapid deceleration, rapid acceleration, or hard cornering maneuvers.

The front seat belt pretensioner contains an ignitor charge and a gas generator to inflate the pretensioner. The pretensioner also includes wiring and a connector. The connector of the pretensioner contains a shorting bar which short-circuits the pretensioner high circuit to the pretensioner low circuit when the connector is disconnected. The shorting bar prevents current from traveling through the pretensioner during servicing. The shorting bar disengaged when the connector is connected.

The pretensioner is an electronically controlled pyrotechnical reactor which reduce seat belt slack when it is activated with air bags.

The front seat belt pretensioner must be replaced after an accident that cause its activation.

THREE-POINT CLR (ELR) REAR OUTBOARD SEAT BELT

The rear outboard seating positions use the three-point child locking retractor (CLR) or emergency locking retractor (ELR) seat belts. The three-point CLR (ELR) seat belt

is always unlocked, allowing the passenger freedom of movement, except in emergencies such as rapid deceleration, rapid acceleration, or hard cornering maneuvers.

OPERATIONAL AND FUNCTIONAL CHECKS

CAUTION :

- ***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

For notch back vehicle, there are three child seat tether anchors located on the read deck lid sill plate. For hatch back vehicle, there are three child seat fether anchors on the lower rear tail member in the luggage compartment. And there are 4 lower child anchors under the rear seat. 4 circular discs on the rear seat indicate the location of the lower child anchors.