

## SECTION : 90

# BUMPERS AND FASCIAS

**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
Fender-to-Fascia Bolts	1.5	–	13
Front Impact Bar Bolts	35	26	–
Front Impact Bar Nuts	22	16	–
Front Wheel Well Fascia Bolts	1.5	–	13
Front Wheel Well Splash Shield Bolts	1.5	–	13
Luggage Compartment Fascia Bolts	8	–	71
Rear Impact Bar Bolts	35	26	–
Rear Impact Bar Bracket Nuts	30	22	–
Rear Wheel Mud Guard Bolts	1.5	–	13
Rear Wheel Well Fascia Bolts	1.5	–	13
Rear Wheel Well Splash Shield Bolts	1.5	–	13

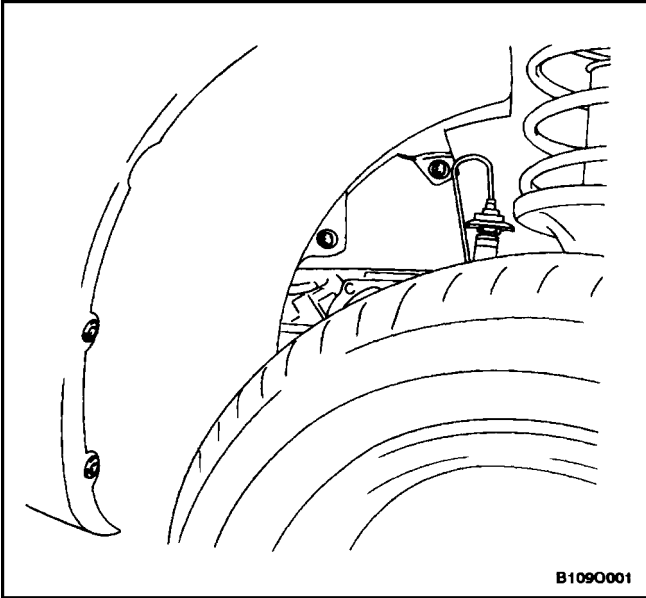
## MAINTENANCE AND REPAIR

### ON-VEHICLE SERVICE

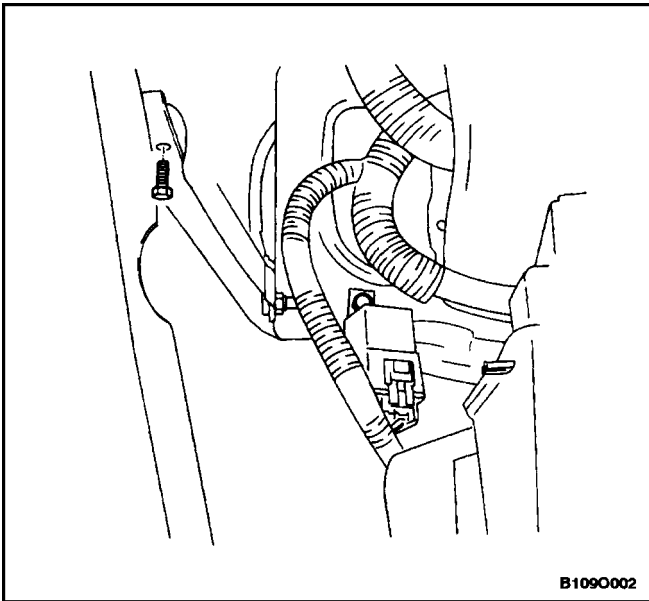
#### FRONT BUMPER FASCIA

##### Removal Procedure

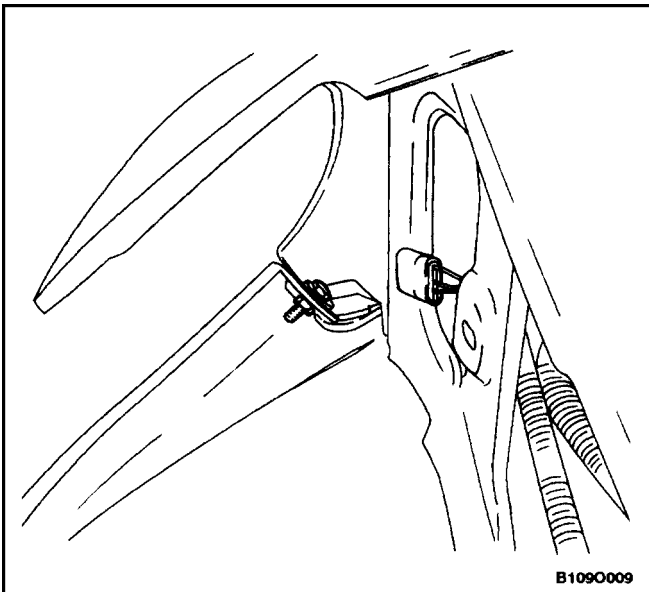
1. Disconnect the negative battery cable.
2. Remove the front wheels. Refer to *Section 2E, Tires and Wheels*.
3. Remove the bolts and the screws and reposition the front portion of the splash shields.
4. Remove the fog lamps (if equipped). Refer to *Section 9B, Lighting Systems*.
5. Remove the headlamps. Refer to *Section 9B, Lighting Systems*.
6. Remove the front wheel well fascia bolts.
7. Remove the fender-to-fascia bolts.



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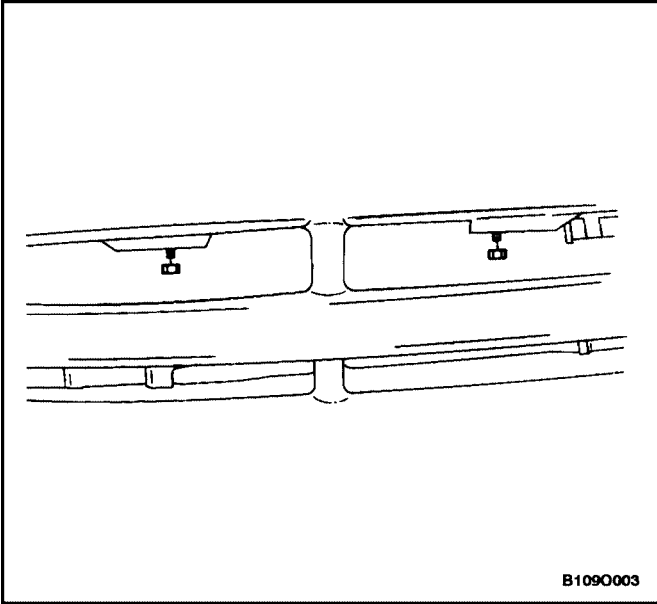


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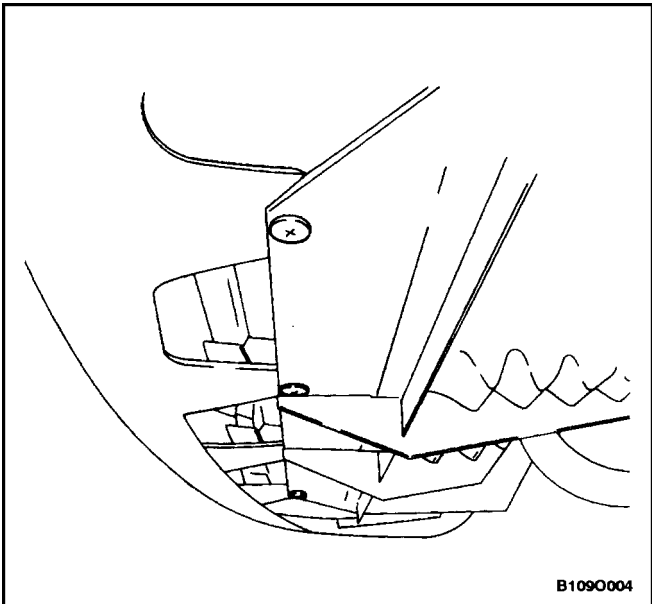


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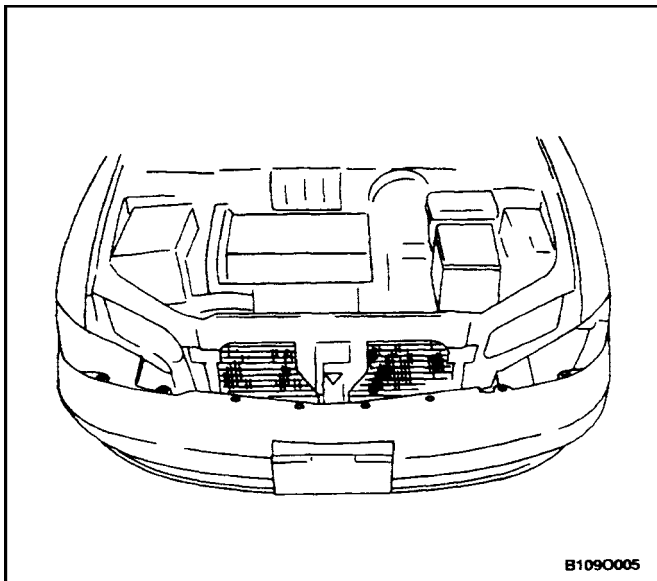
8. Remove the front fascia screws behind the fascia.

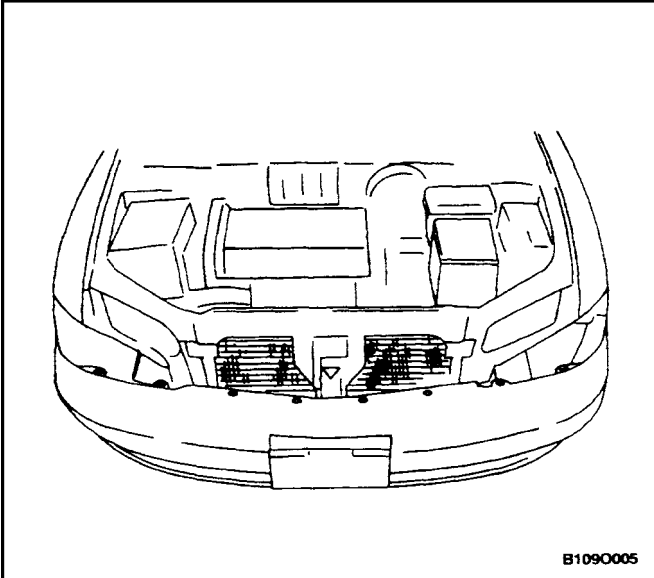


9. Remove lower fascia screws.



10. Remove the upper fascia screws.
11. Remove the front bumper fascia.



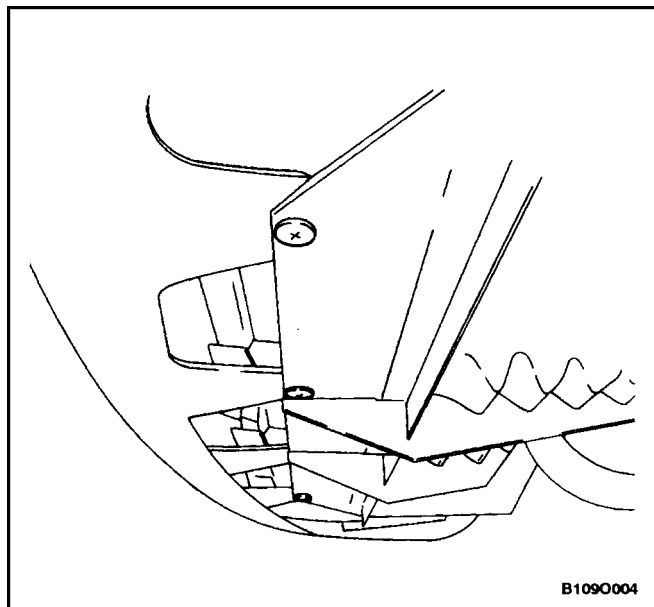


### Installation Procedure

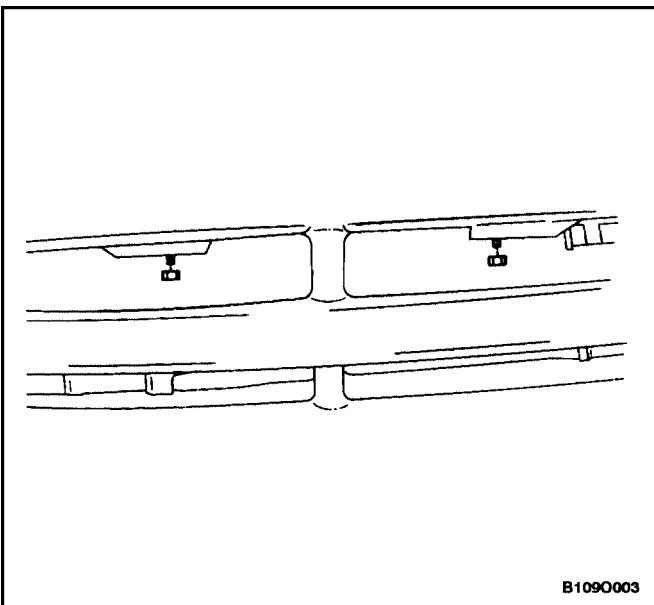
1. Install the front bumper fascia.

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

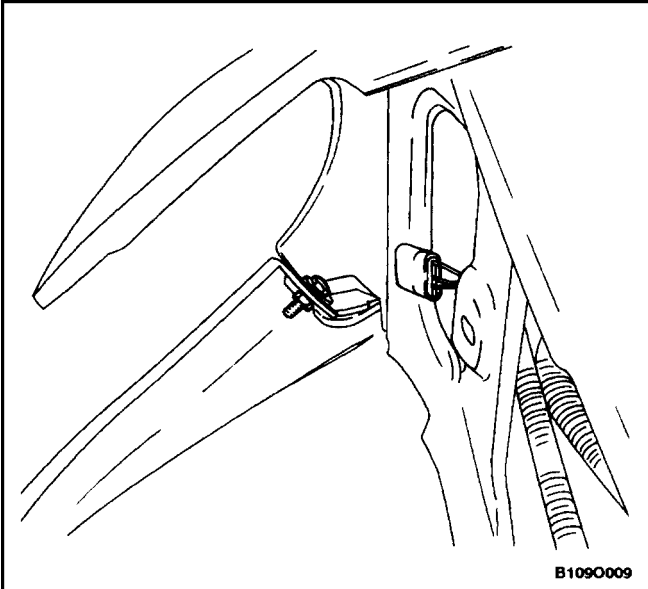
2. Install the upper fascia screws.



3. Install the lower fascia screws.



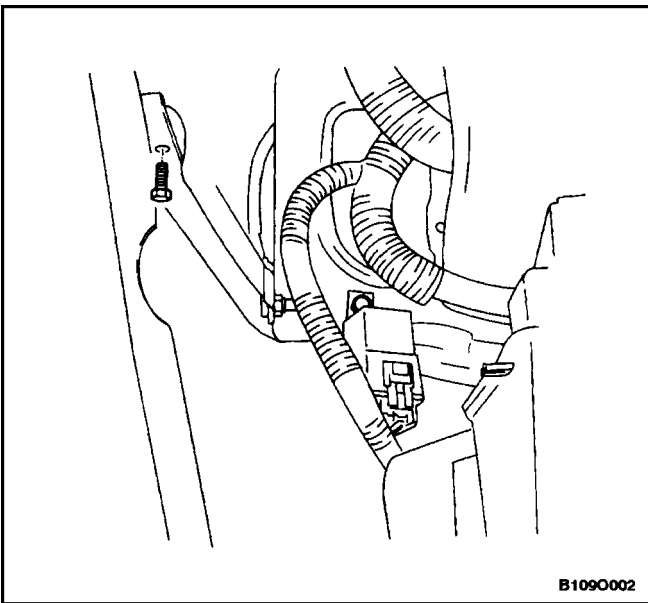
4. Install the front fascia nuts.



5. Install the fender-to-fascia bolts.

**Tighten**

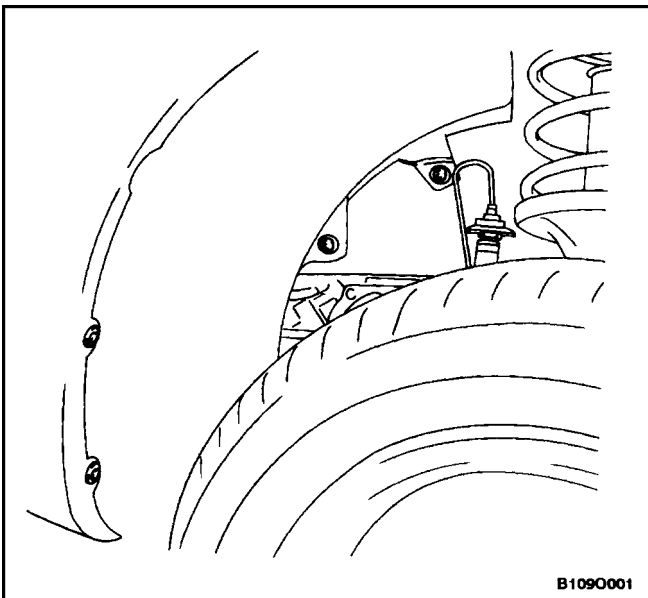
Tighten the fender-to-fascia bolts to 1.5 N•m (13 lb-in).



6. Install the front wheel well fascia bolts.

**Tighten**

Tighten the front wheel well fascia bolts to 1.5 N•m (13 lb-in).

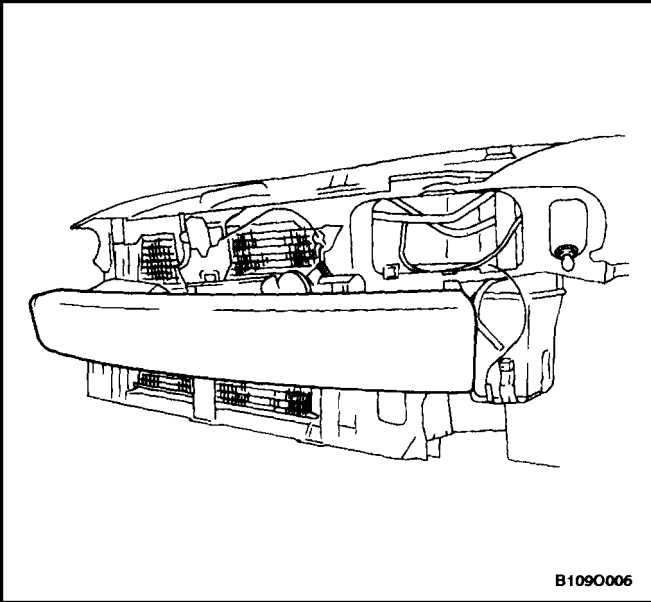


7. Install the headlamps. Refer to *Section 9B, Lighting Systems*.
8. Remove the fog lamps (if equipped). Refer to *Section 9B, Lighting Systems*.
9. Reposition the front portion of the splash shields and install the bolts and the screws.

**Tighten**

Tighten the front wheel well splash shield bolts to 1.5 N•m (13 lb-in).

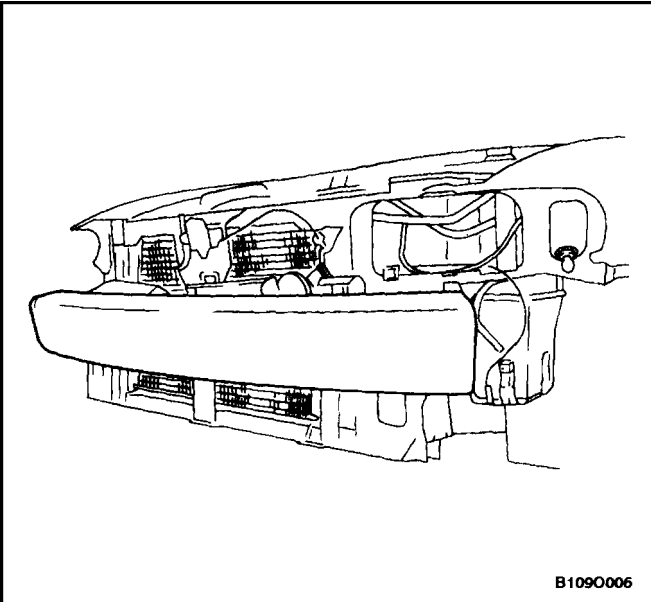
10. Connect the negative battery cable.



## FRONT BUMPER ENERGY ABSORBER

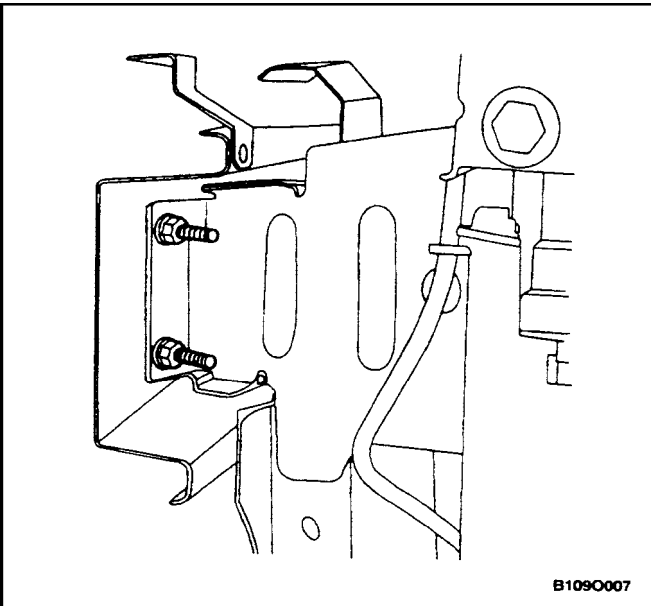
### Removal Procedure

1. Remove the front bumper fascia. Refer to "Front Bumper Fascia" in this section.
2. Remove the energy absorber.



### Installation Procedure

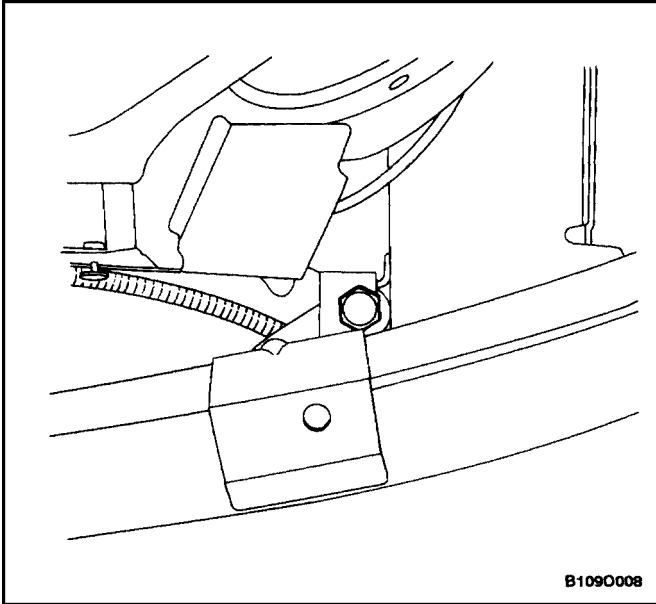
1. Install the energy absorber.
2. Install the front bumper fascia. Refer to "Front Bumper Fascia" in this section.



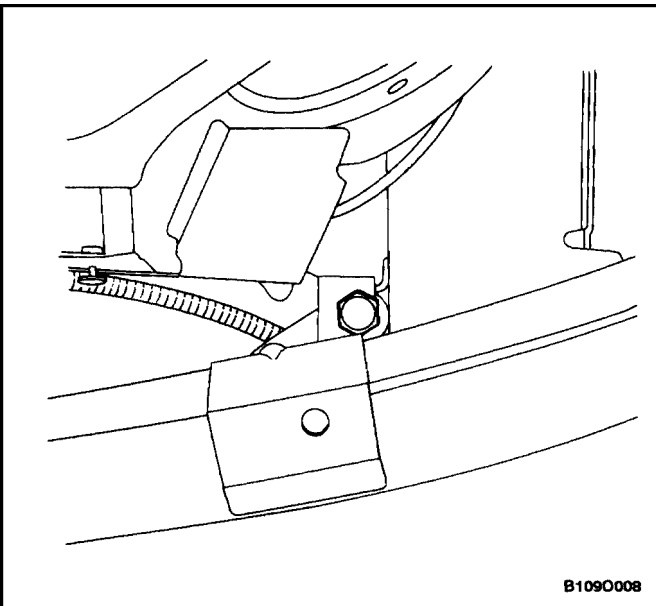
## FRONT BUMPER IMPACT BAR

### Removal Procedure

1. Remove the front bumper fascia. Refer to "Front Bumper Fascia" in this section.
2. Remove the front bumper energy absorber. Refer to "Front Bumper Energy Absorber" in this section.
3. Remove the front bumper impact bar nuts.



4. Remove the front impact bar bolts.
5. Remove the impact bar.



### Installation Procedure

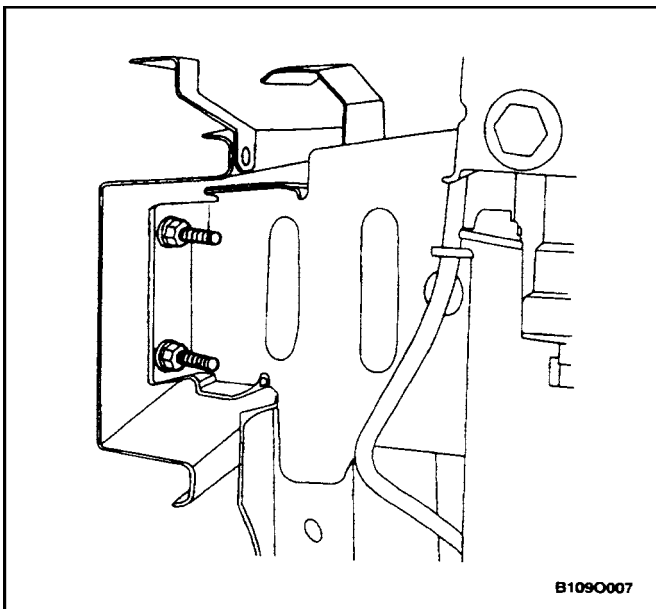
1. Install the impact bar.

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

2. Install the front impact bar bolts.

#### **Tighten**

Tighten the front impact bar bolts to 22 N•m (16 lb–ft).

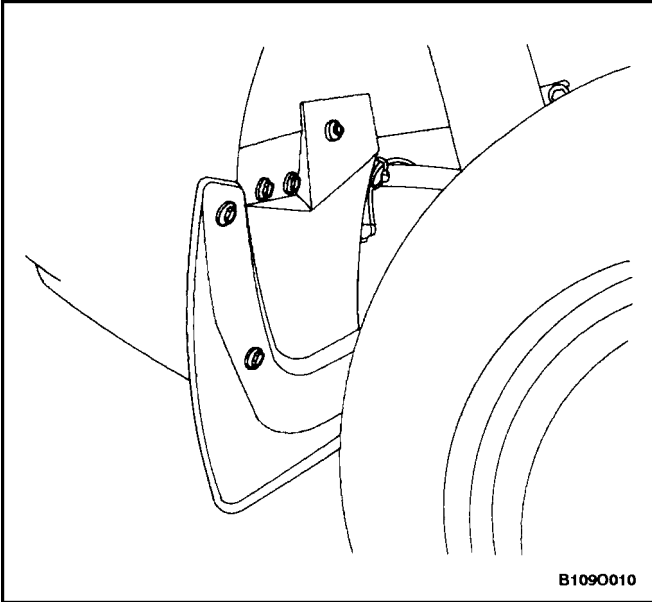


3. Install the front bumper impact bar nuts.

#### **Tighten**

Tighten the front impact bar nuts to 30 N•m (22 lb–ft).

4. Install the front bumper energy absorber. Refer to "Front Bumper Energy Absorber" in this section.
5. Install the front bumper fascia. Refer to "Front Bumper Fascia" in this section.

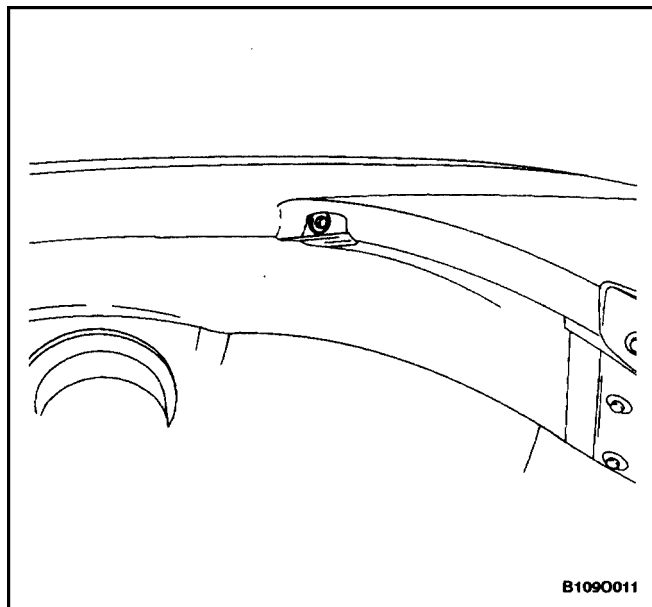


## REAR BUMPER FASCIA

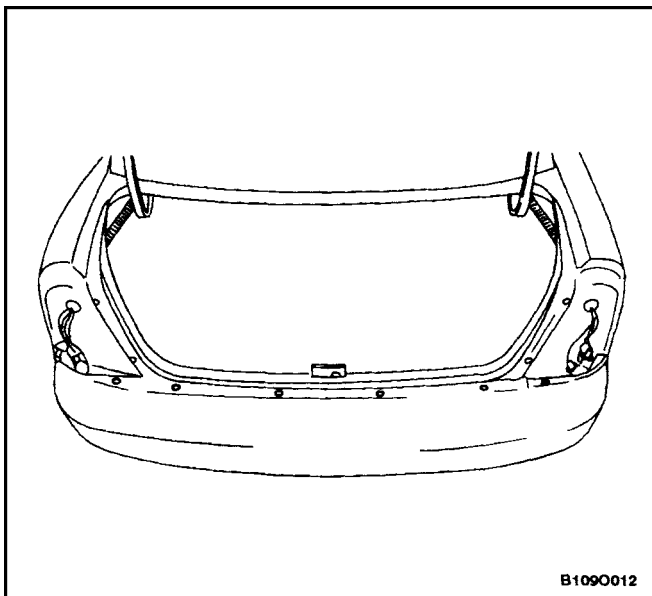
(Notchback Shown, Hatchback and Wagon Similar)

### Removal Procedure

1. Remove the bolts and the rear wheel mud guards.
2. Remove the bolts and the screws and the rear wheel well splash shields.

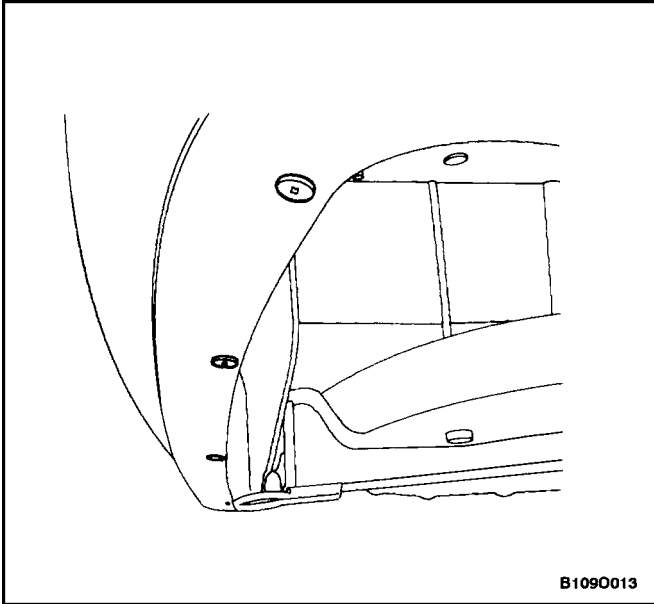


3. Remove the fascia bolts at the top of the rear wheel wells.

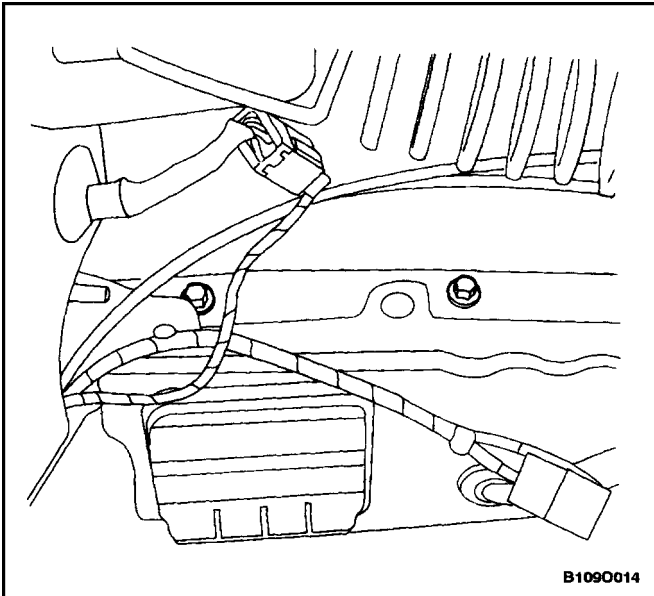


4. Remove the taillamps. Refer to *Section 9B, Lighting Systems*.
5. Remove the upper fascia screws.

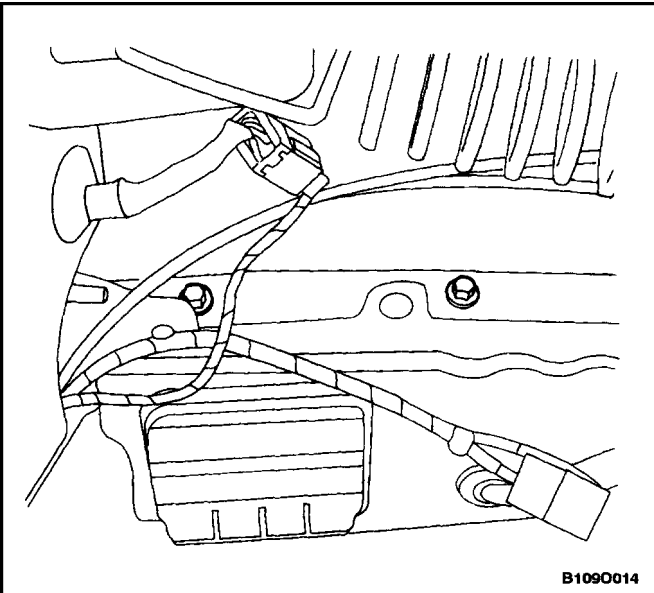




6. Remove the lower fascia screws.



7. Remove the luggage compartment rear quarter trim panel.
8. Remove the fascia bolts in the luggage compartment.
9. Remove the fascia.



### Installation Procedure

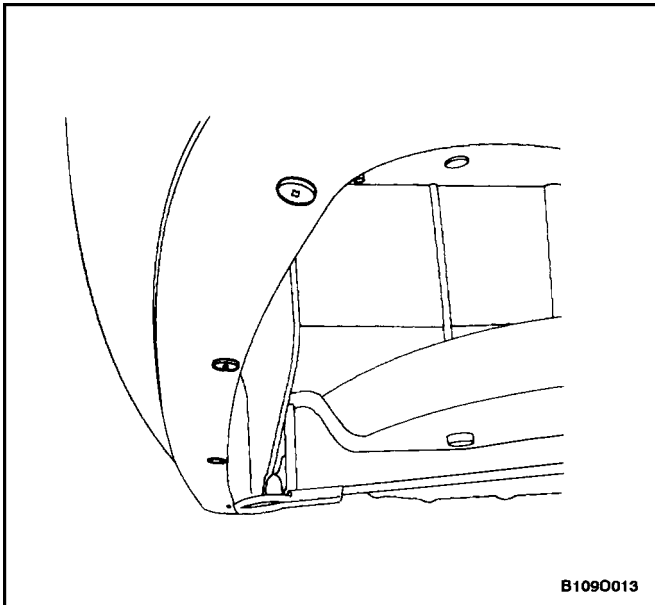
1. Install the fascia.

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

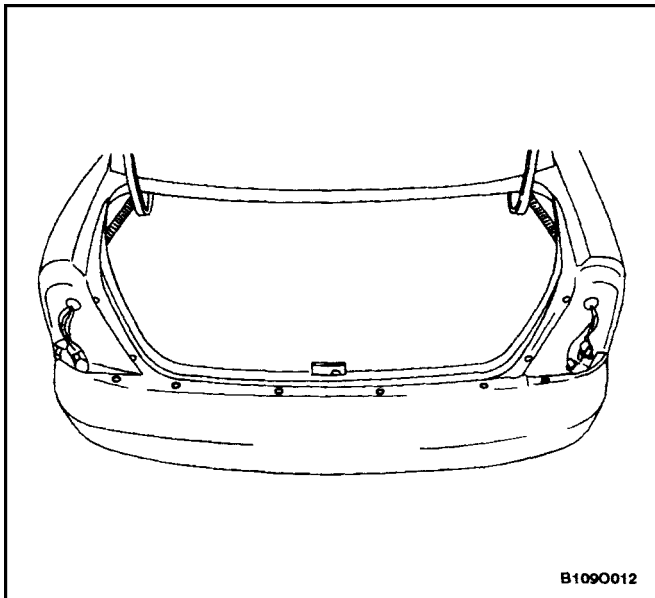
2. Install the luggage compartment fascia bolts.

#### **Tighten**

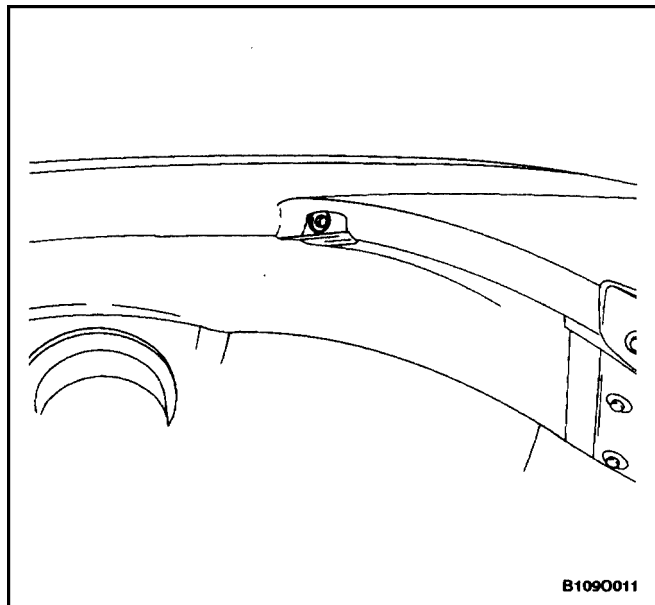
Tighten the luggage compartment fascia bolts to 8 N•m (71 lb-in).



3. Install the luggage compartment rear quarter trim panel.
4. Install the lower fascia screws.



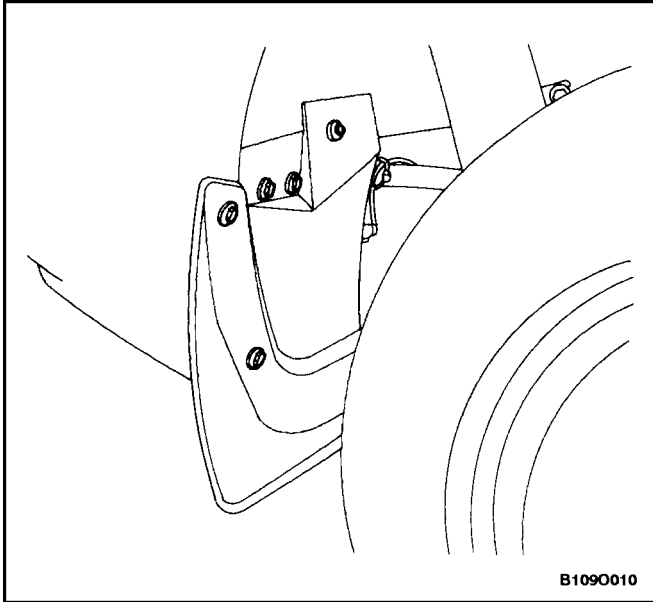
5. Install the upper fascia screws.



6. Install the taillamps. Refer to *Section 9B, Lighting Systems*.
7. Install the rear wheel well fascia bolts.

**Tighten**

Tighten the rear wheel well fascia bolts to 1.5 N•m (13 lb-in).



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8. Install the rear wheel well splash shields with the bolts and the screws.

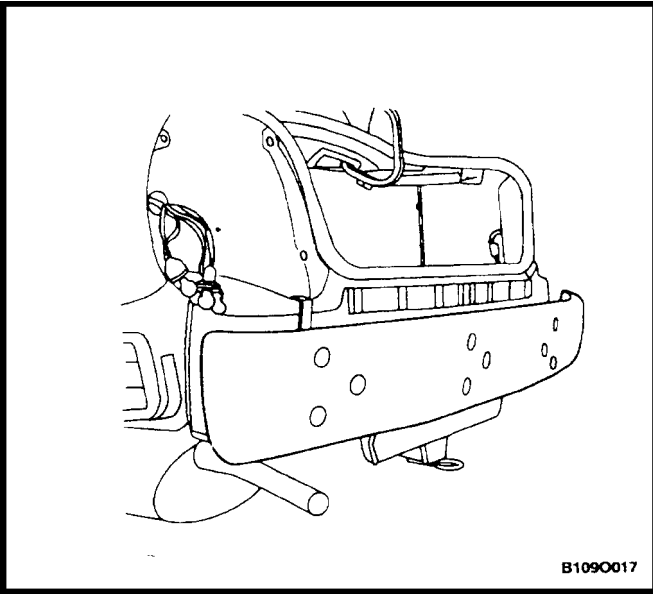
**Tighten**

Tighten the rear wheel well splash shield bolts to 1.5 N•m (13 lb-in).

9. Install the rear wheel mud guards with the bolts.

**Tighten**

Tighten the rear wheel mud guard bolts to 1.5 N•m (13 lb-in).



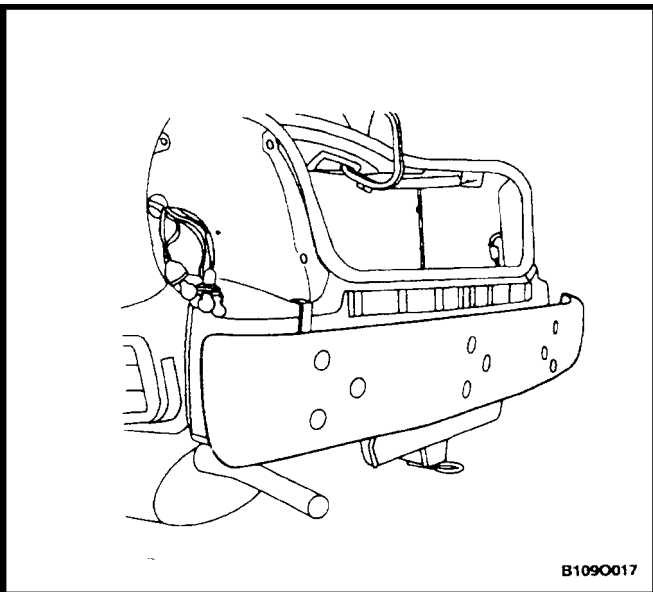
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**REAR BUMPER ENERGY ABSORBER**

**(Notchback Shown, Hatchback and Wagon Similar)**

**Removal Procedure**

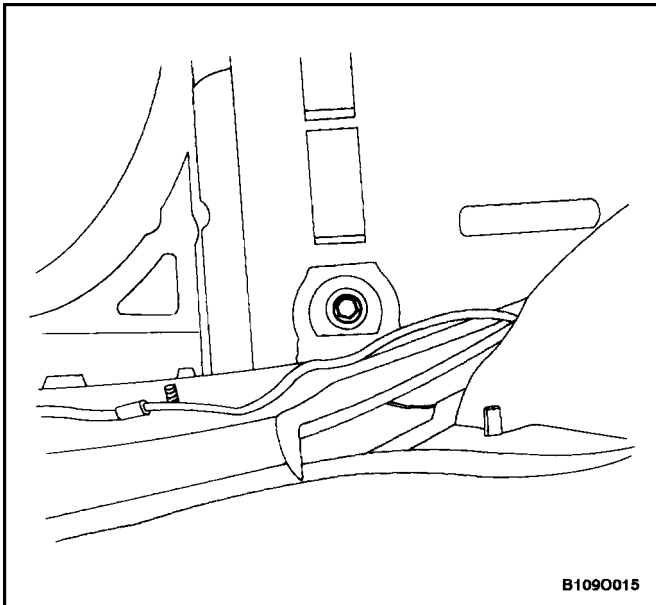
1. Remove the rear bumper fascia. Refer to "Rear Bumper Fascia" in this section.
2. Remove the energy absorber.



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**Installation Procedure**

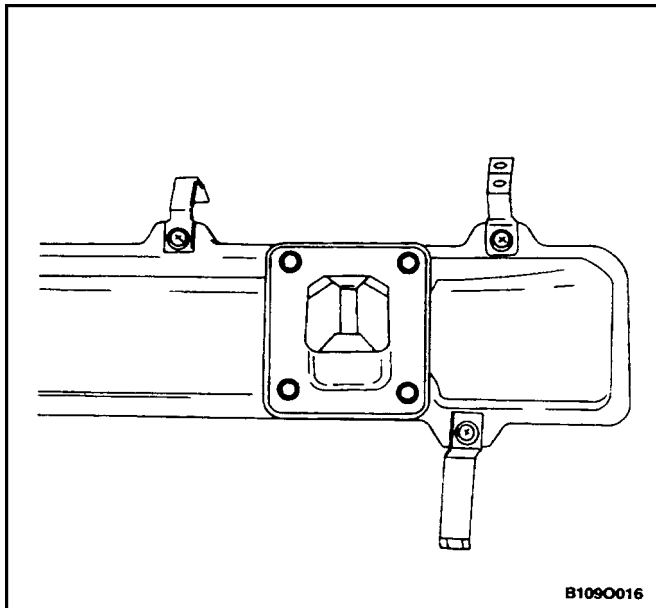
1. Install the energy absorber.
2. Install the rear bumper fascia. Refer to "Rear Bumper Fascia" in this section.



## REAR BUMPER IMPACT BAR (Notchback Shown, Hatchback and Wagon Similar)

### Removal Procedure

1. Remove the rear bumper fascia. Refer to "Rear Bumper Fascia" in this section.
2. Remove the rear bumper energy absorber. Refer to "Rear Bumper Energy Absorber" in this section.
3. Reposition the luggage compartment floor carpet.
4. Remove the plastic caps to reveal the impact bar bolts.
5. Remove the bolts securing the impact bar.
6. Remove the impact bar from the vehicle.
7. Remove the nuts and the impact bar brackets from the impact bar.
8. Remove the screws and the rear fascia brackets from the impact bar.



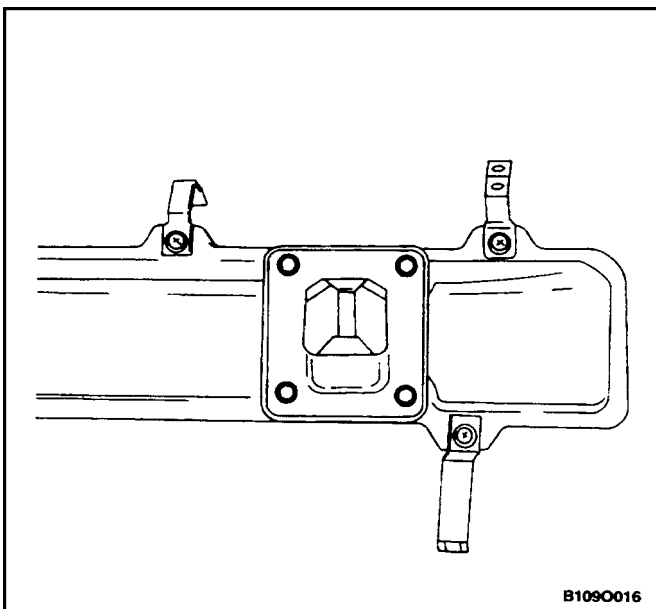
### Installation Procedure

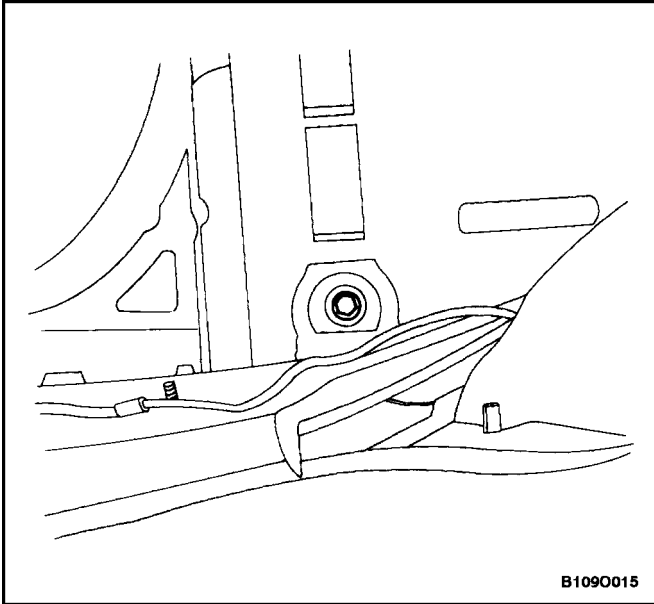
**Notice :** Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the rear fascia brackets to the impact bar with the screws.
2. Install the impact bar brackets to the impact bar with the nuts.

#### **Tighten**

Tighten the rear impact bar bracket nuts to 30 N•m (22 lb–ft).





3. Install the impact bar.
4. Install the rear impact bar to the vehicle with the bolts.

**Tighten**

Tighten the rear impact bar bolts to 35 N•m (26 lb–ft).

5. Install the luggage compartment floor carpet to its original position.
6. Install the rear impact bar to the vehicle with the bolts.
7. Install the rear bumper energy absorber. Refer to "Rear Bumper Energy Absorber" in this section.
8. Install the rear bumper fascia. Refer to "Rear Bumper Fascia" in this section.

## **GENERAL DESCRIPTION AND SYSTEM OPERATION**

### **BUMPERS**

The bumper systems are designed to sustain a collision into a fixed barrier at either 8 km/h (5 mph) or 4 km/h (2.5 mph) without damage. After absorbing the energy of a col-

lision, these bumper systems restore themselves to their original position. Both the front and the rear bumpers feature an internal foam energy absorber and a polymer fascia cover. The rear bumper fascia must be removed before access can be gained to the energy absorber and the bumper impact bar. The front bumper assembly can be removed as a whole unit or the fascia cover can be removed separately.