
SECTION 90

BUMPERS AND FASCIAS

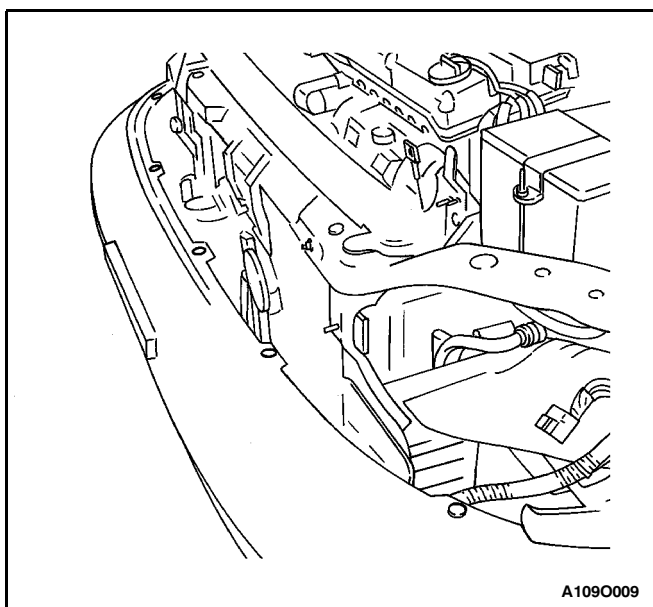
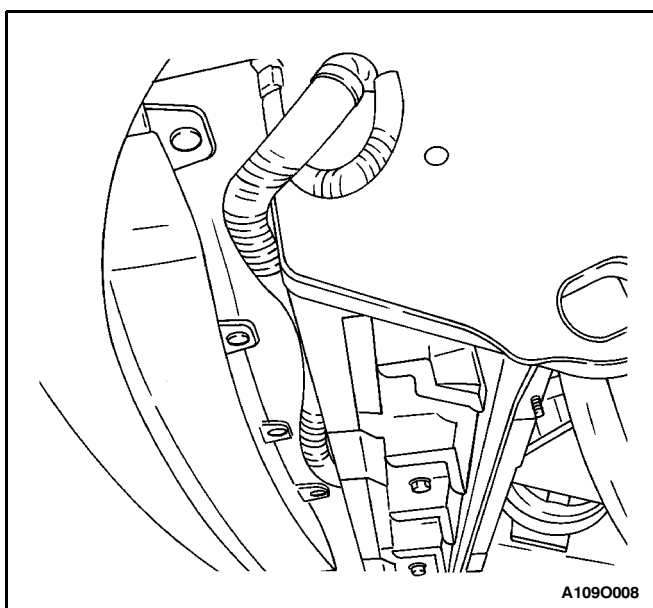
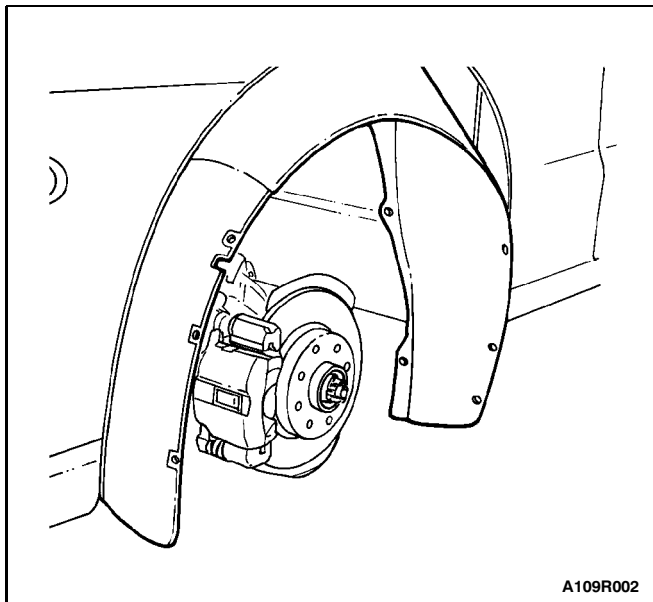
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SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Application	N•m	Lb-Ft	Lb-In
Behind Fascia Screws	5.5	-	49
Front Bumper Impact Bar Nuts	27	20	-
Front Wheel Well Screws	1.5	-	13
Lower Rear Impact Bar Nuts	27	20	-
Luggage Compartment Fascia Bolts	5.5	-	49
Mud Guard Screws	1.5	-	13
Rear Impact Bar Nuts	27	20	-
Rear Upper Fascia Screws	5.5	-	49
Splash Shield Bolts	1.5	-	13
Splash Shield Nuts	1.5	-	13
Splash Shield Screws	1.5	-	13
Trim Panel Bolts	10	-	89



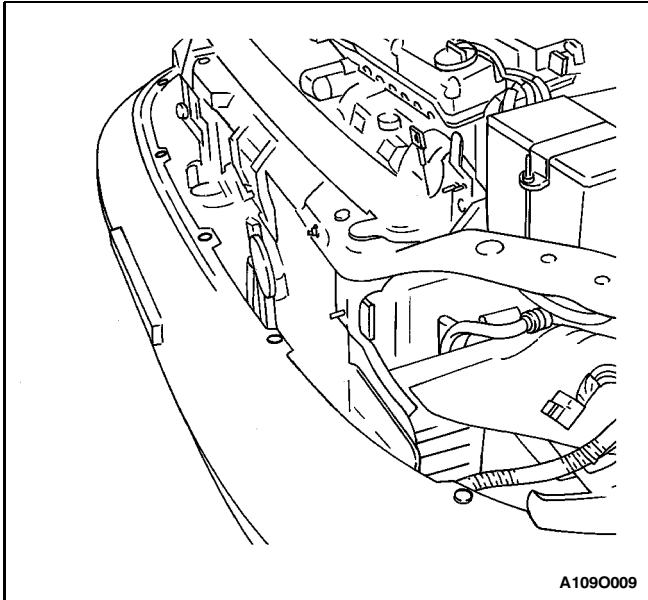
MAINTENANCE AND REPAIR

ON-VEHICLE SERVICE

FRONT BUMPER FASCIA

Removal Procedure

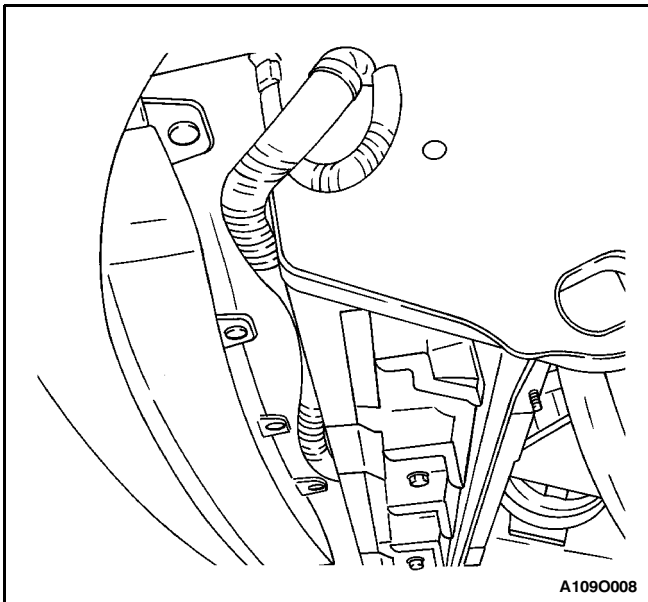
1. Disconnect the negative battery cable.
2. Remove the front wheels. Refer to Section 2E, Tires and Wheels.
3. Remove the screws, the bolts, the nuts, and the front wheel well splash shields.
4. Remove the headlamps and the front fog lamps. Refer to Section 9B, Lighting Systems.
5. Remove the screws from the wheel wells.
6. Remove the screws from behind the fascia.
7. Remove the screws from underneath the fascia.
8. Remove the screws on the top of the fascia.
9. Remove the front bumper fascia.



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 bumper fascia.
2. Install the screws on the top of the fascia.



3. Install the screws underneath the fascia.
4. Install the screws behind the fascia.

Tighten

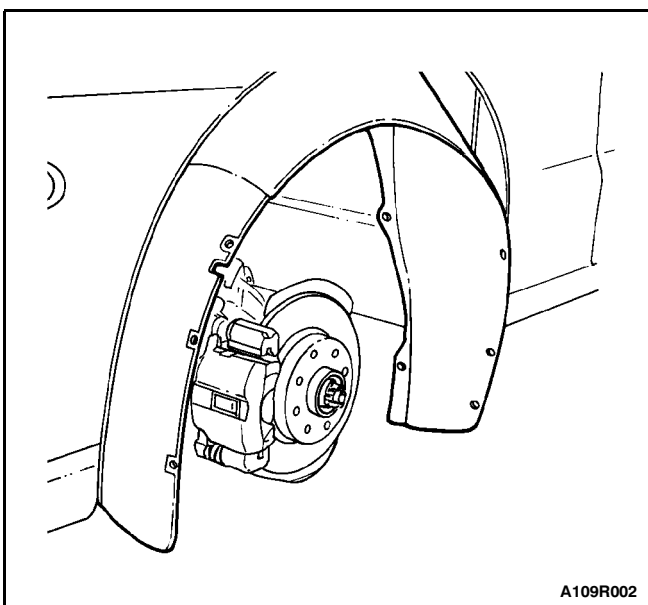
Tighten the behind fascia screws to 5.5 N•m (49 lb-in).

5. Install the screws in the wheel wells.

Tighten

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

6. Install the headlamps and the front fog lamps. Refer to Section 9B, Lighting Systems.



7. Install the front wheel well splash shields with the screws, the bolts, and the nuts.
8. Install the front wheels. Refer to Section 2E, Tires and Wheels.

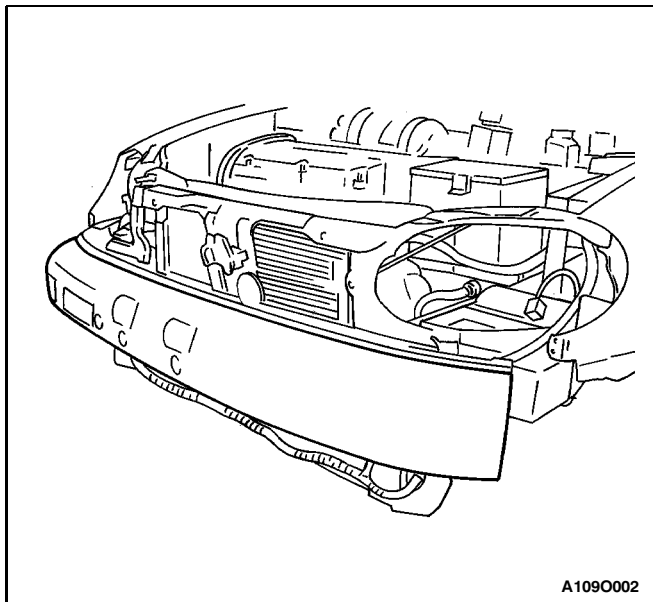
Tighten

Tighten the splash shield screws to 1.5 N•m (13 lb-in).

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

Tighten the splash shield nuts to 1.5 N•m (13 lb-in).

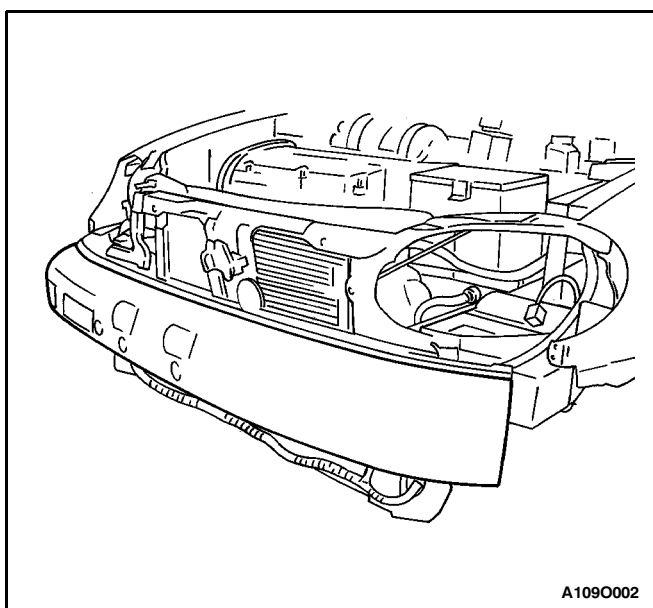
9. Connect the negative battery cable.



FRONT BUMPER ENERGY ABSORBER

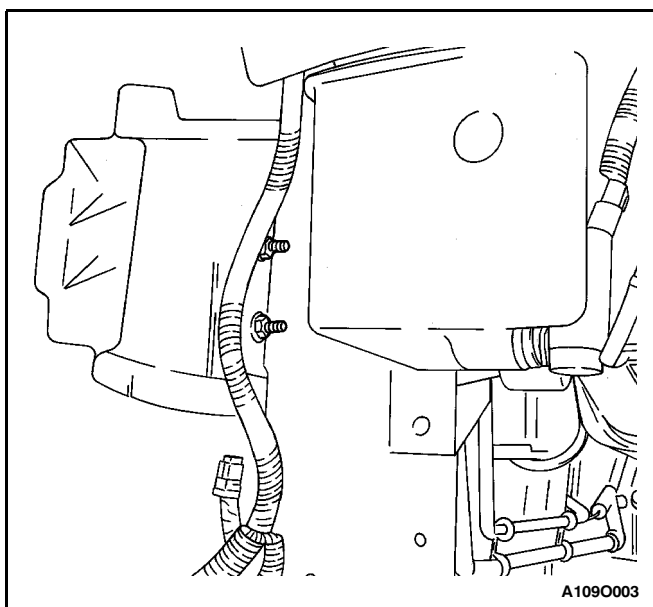
Removal Procedure

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



Installation Procedure

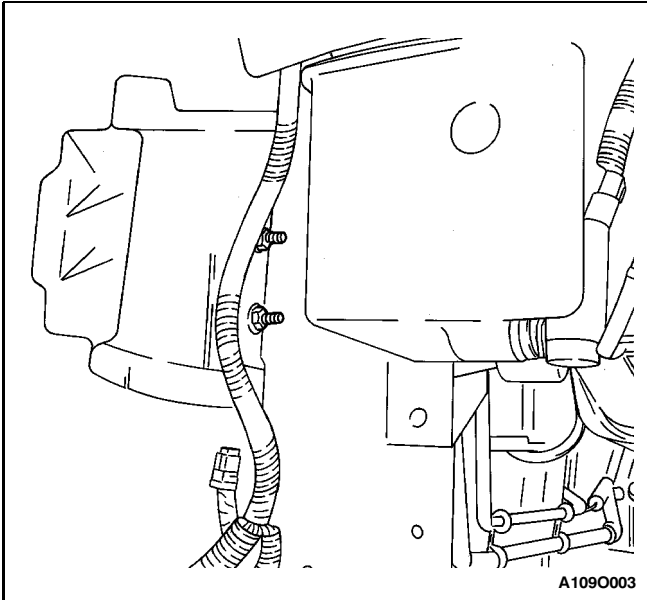
1. Install the energy absorber.
2. Install the front bumper fascia. Refer to "Front Bumper Fascia" in this section.



FRONT BUMPER IMPACT BAR

Removal Procedure

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



Installation Procedure

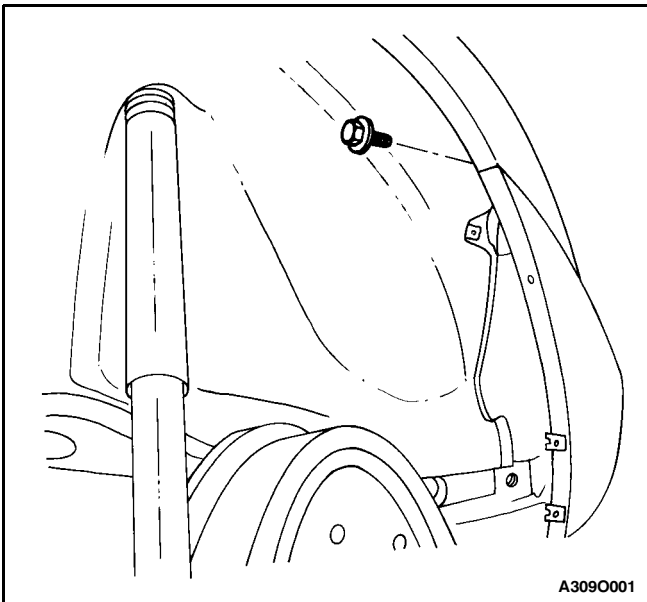
Notice: Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the front bumper impact bar with the nuts.

Tighten

Tighten the front bumper impact bar nuts to 27 N·m (20 lb-ft).

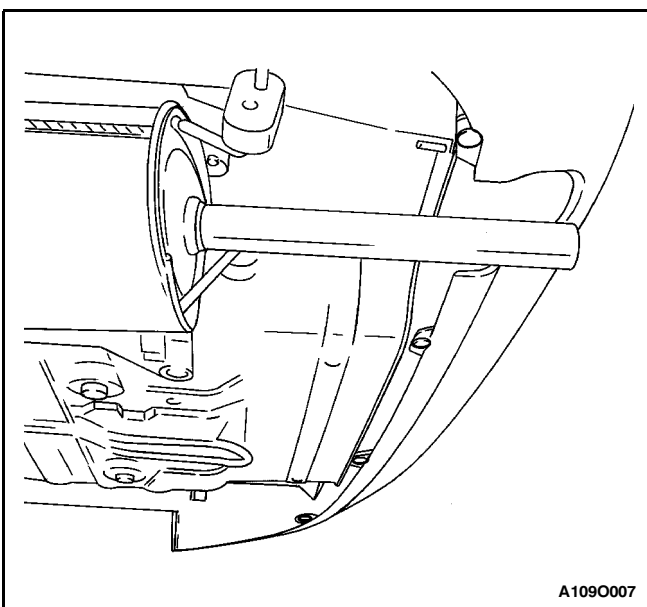
2. Install the front bumper energy absorber. Refer to "Front Bumper Energy Absorber" in this section.



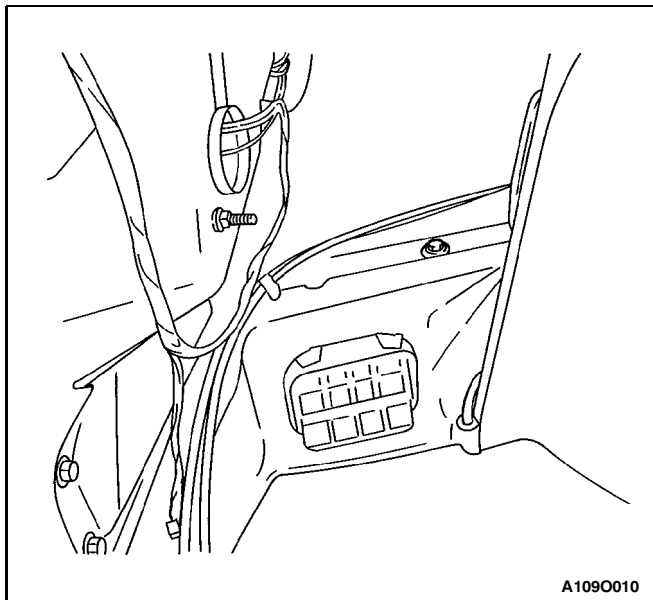
REAR BUMPER FASCIA

Removal Procedure

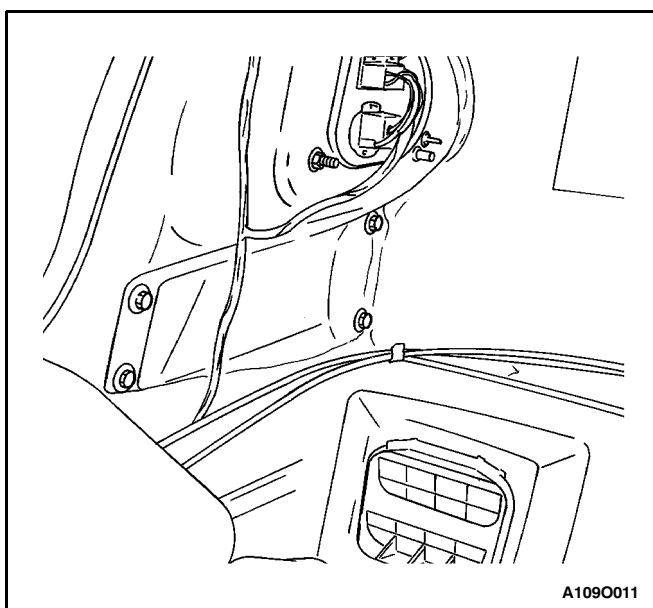
1. Remove the rear wheels. Refer to Section 2E, Tires and Wheels.
2. Remove the screws and the mud guards.
3. Remove the screws and the splash shields.
4. Remove the screws behind the fascia.



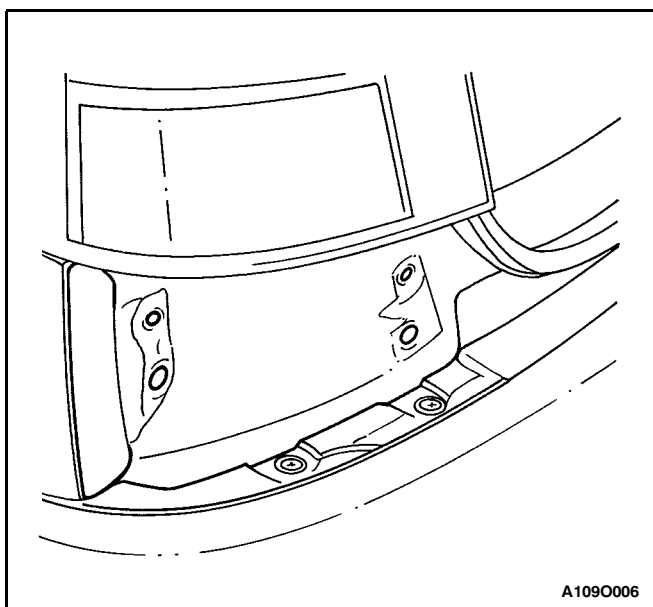
5. Remove the screws underneath the fascia.



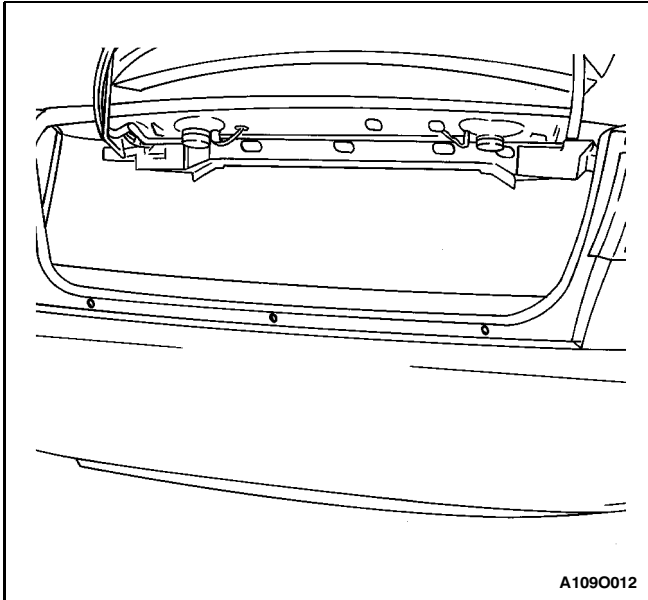
6. Remove the luggage compartment rear quarter trim panels. Refer to Section 9G, Interior Trim.
7. Remove the bolts in the luggage compartment.



8. Remove the bolts and the exterior trim panels beneath the taillamps.

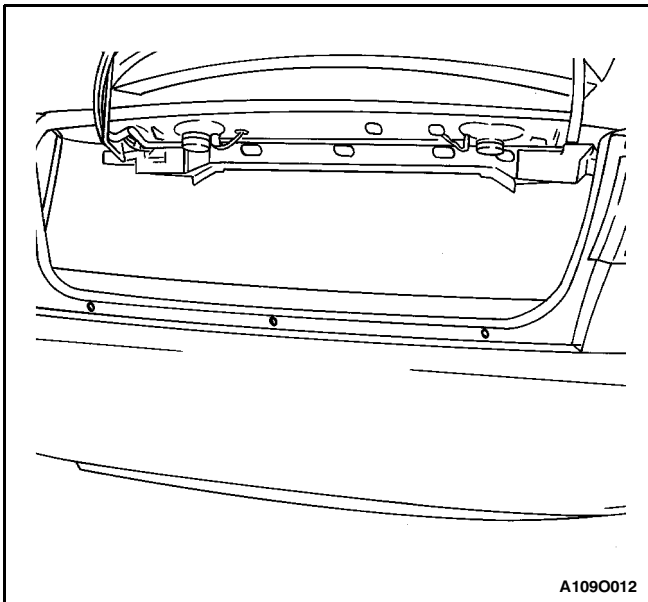


9. Remove the fascia screws beneath the taillamps.



10. Remove the rear upper fascia screws beneath the luggage compartment opening.

11. Remove the fascia.



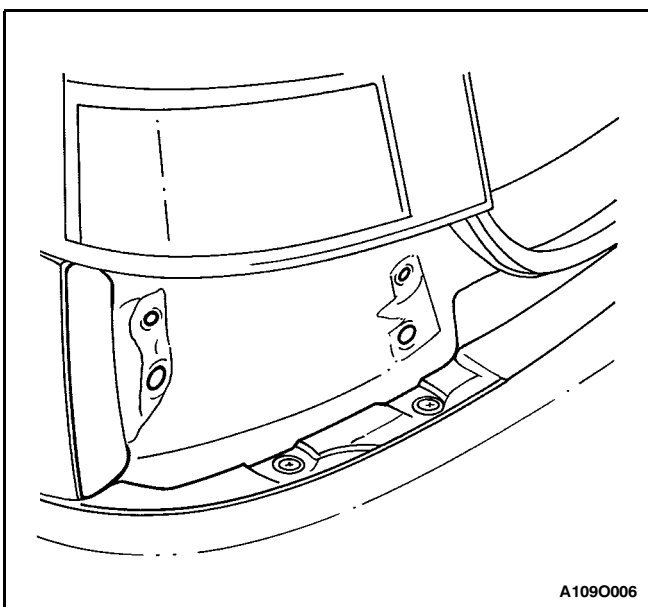
Installation Procedure

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

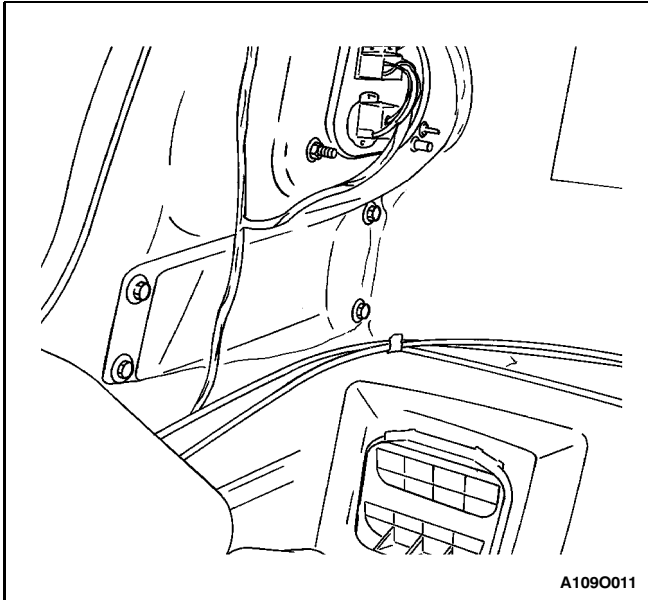
1. Install the fascia with the rear upper fascia screws beneath the luggage compartment opening.

Tighten

Tighten the rear upper fascia screws to 5.5 N•m (49 lb-in).



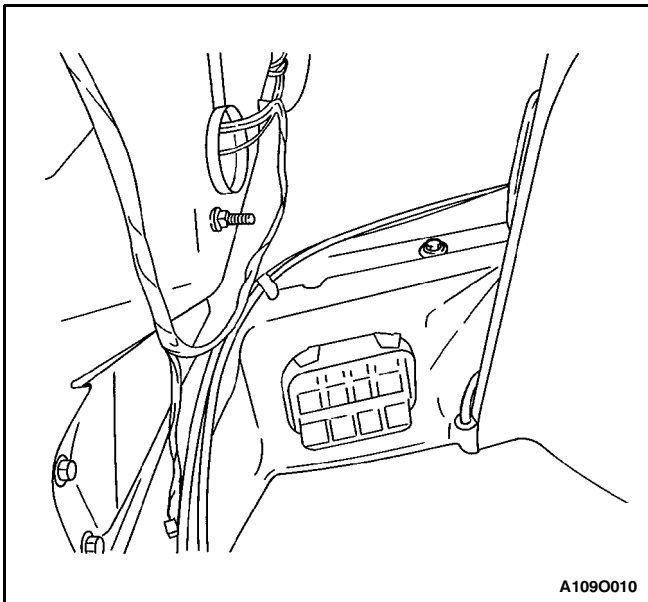
2. Install the fascia screws beneath the taillamps.



3. Install the exterior trim panels beneath the taillamps with the bolts.

Tighten

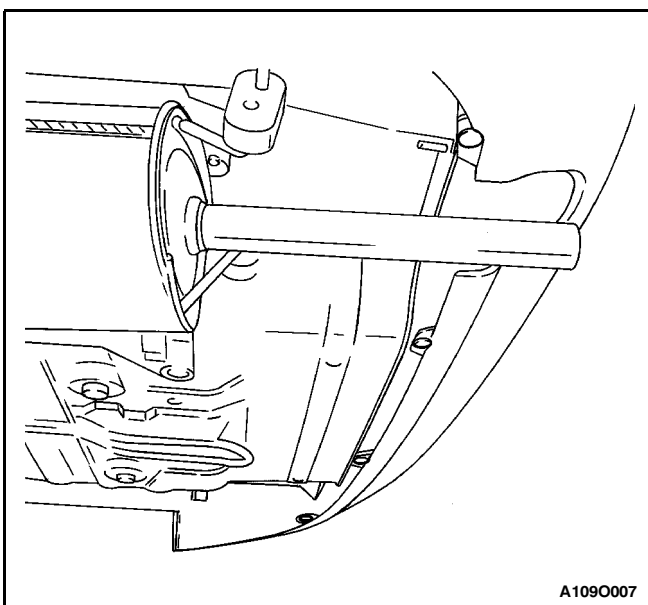
Tighten the trim panel bolts to 10 N•m (89 lb-in).



4. Install the bolts in the luggage compartment.

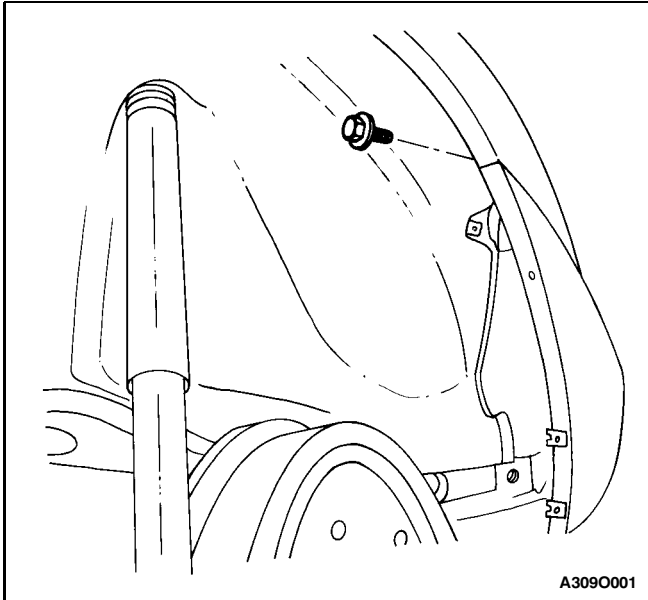
Tighten

Tighten the luggage compartment fascia bolts to 5.5 N•m (49 lb-in).



5. Install the luggage compartment rear quarter trim panels. Refer to Section 9G, Interior trim.

6. Install the screws underneath the fascia.



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7. Install the screws behind the fascia.

Tighten

Tighten the behind fascia screws to 5.5 N·m (49 lb-in).

8. Install the splash shields with the screws.

Tighten

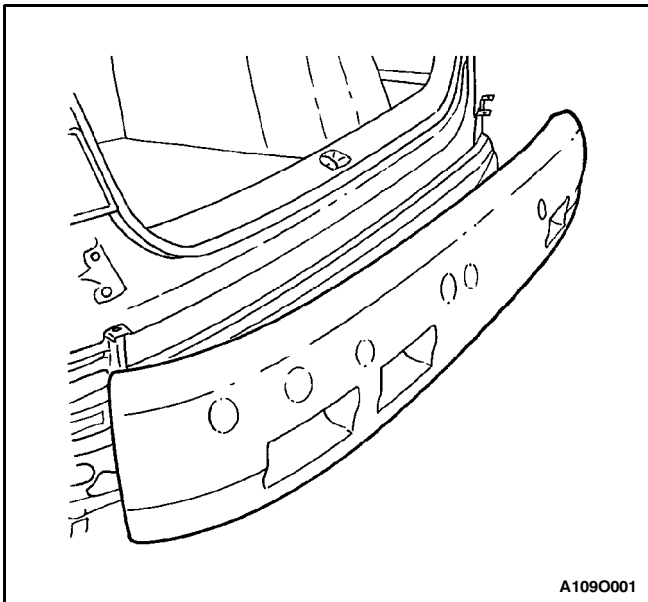
Tighten the splash shield screws to 1.5 N·m (13 lb-in).

9. Install the mud guards with the screws.

Tighten

Tighten the mud guard screws to 1.5 N·m (13 lb-in).

10. Install the rear wheels. Refer to Section 2E, Tires and Wheels.

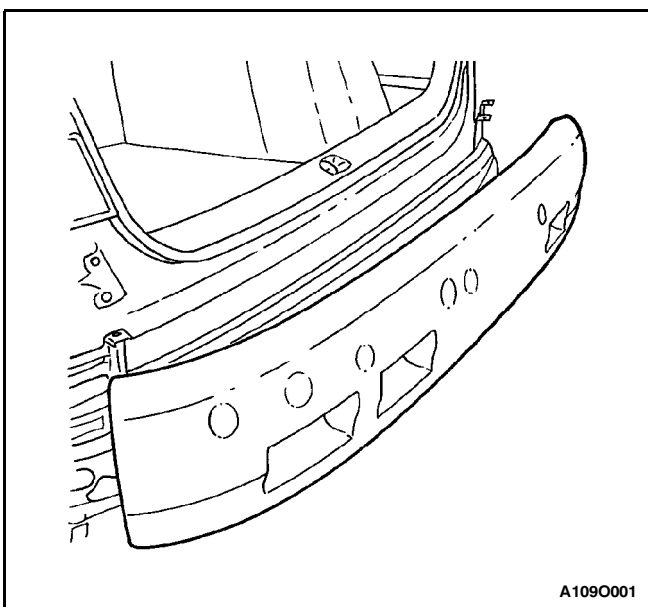


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REAR BUMPER ENERGY ABSORBER

Removal Procedure

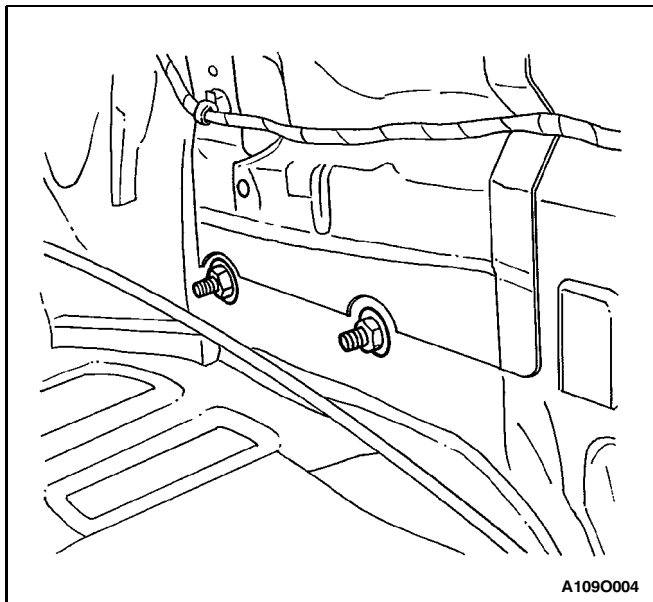
1. Remove the rear bumper fascia. Refer to "Rear Bumper Fascia" in this section.
2. Remove the energy absorber.



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Installation Procedure

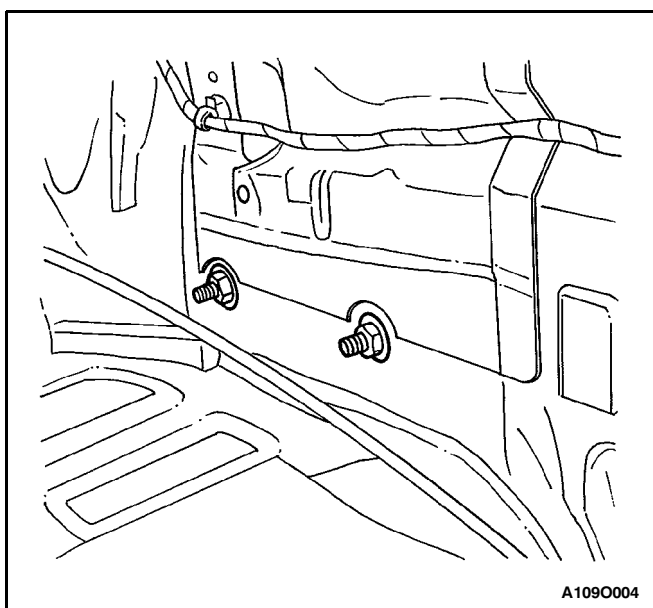
1. Install the energy absorber.
2. Install the rear bumper fascia. Refer to "Rear Bumper Fascia" in this section.



REAR BUMPER IMPACT BAR

Removal Procedure

1. Remove the rear bumper energy absorber. Refer to "Rear Bumper Energy Absorber" in this section.
2. Remove the two nuts beneath the vehicle.
3. Remove the four nuts inside the luggage compartment.
4. Disconnect the harness connector.
5. Remove 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. Connect the harness connector.
2. Secure the rear bumper impact bar with the four nuts inside the luggage compartment.

Tighten

Tighten the rear impact bar nuts to 27 N•m (20 lb-ft).

3. Install the two lower rear impact bar nuts beneath the vehicle.

Tighten

Tighten the two lower rear impact bar nuts to 27 N•m (20 lb-ft).

4. Install the energy absorber. Refer to "Rear Bumper Energy Absorber" 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 collision, 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. The front bumper assembly can be removed as a whole unit or the fascia cover can be removed separately.