Fastener Tightening Specifications

Application	Specification	
	Metric	English
CHMSL Mounting Screws	3 N·m	27 lb in
Cupholder Screws	2 N·m	18 lb in
Daytime Running Lamp Module Screws	2.5 N·m	22 lb in
Door Jamb Switch Screw	4.5 N·m	40 lb in
Headlamp Assembly Bolts	6 N·m	53 lb in
Interior Courtesy Lamp Housing Screws	2 N·m	18 lb in
License Plate Lamp Screws	1.5 N·m	13 lb in
Tail Lamp Assembly Screws	3 N·m	27 lb in

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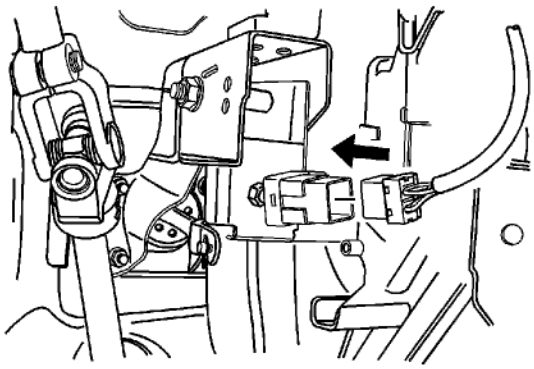
Stop Lamp Switch Adjustment

Warning: Refer to Battery Disconnect Warning in the Preface section.

1. Disconnect the negative battery cable.
2. Remove the stop lamp switch. Refer to Stop Lamp Switch Replacement.



3. Pull out the shaft of the stop lamp switch to its maximum setting point.
4. Connect the stop lamp switch electrical connector.
5. Depress the brake pedal to the bottom.
6. Install the stop lamp switch in the brake pedal bracket hole by twisting.
7. Release the brake pedal slowly until reaching the end of the stop lamp switch shaft, the stop lamp switch will be adjusted of itself by the reaction force of the brake pedal.
8. Connect the negative battery cable.

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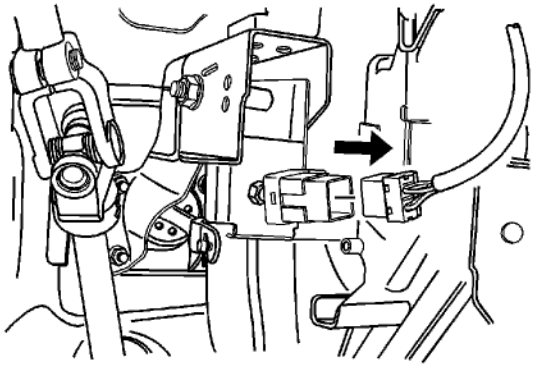
Stop Lamp Switch Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Disconnect the stoplamp switch electrical connector.
3. Twist the switch, and remove the switch from the brake pedal bracket.

Installation Procedure

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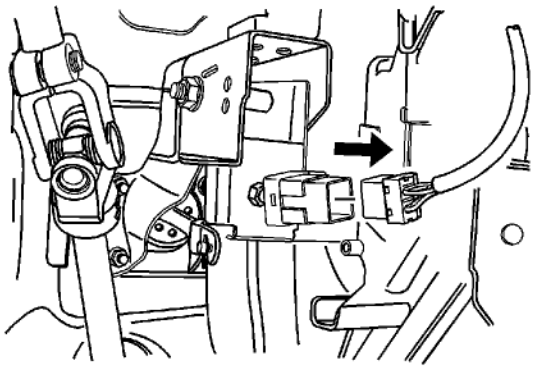

1. Adjust the stoplamp switch. Refer to Stop Lamp Switch Adjustment.
2. Connect the negative battery cable.

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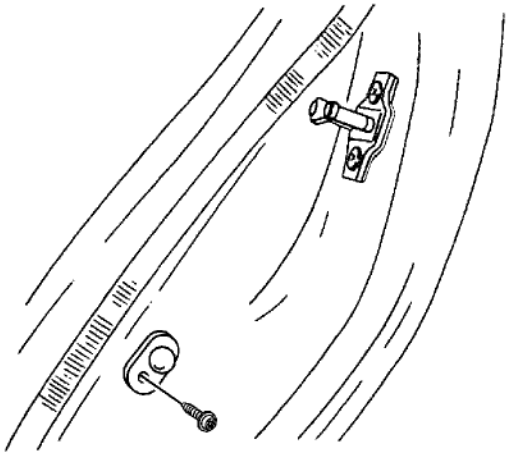
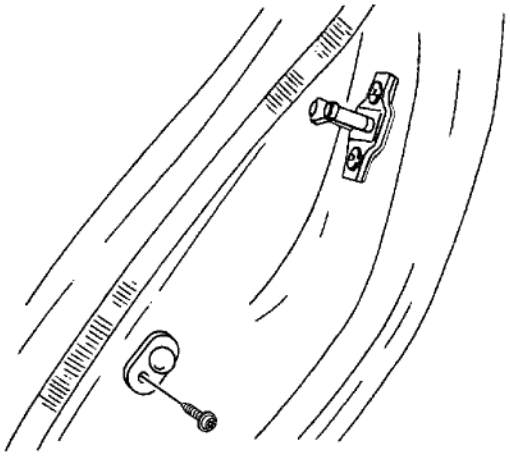
Door Jamb Switch Replacement

Removal Procedure



1. Remove the screw and the door jamb switch.
2. Disconnect the electrical connector.

Installation Procedure



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1. Connect the electrical connector.

   Caution: Refer to Fastener Caution in the Preface section.

2. Install the door jamb switch with the screw and tighten to **4.5 N·m (40 lb in)**.

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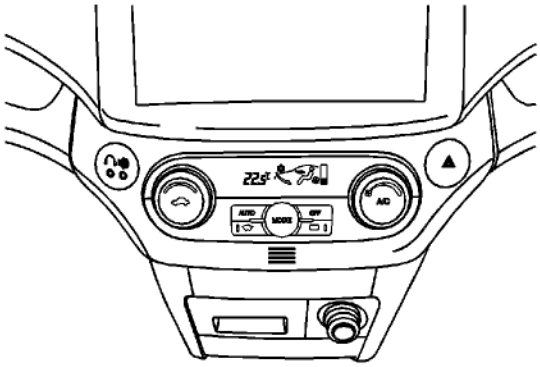
Hazard Warning Switch Replacement

Removal Procedure



1. Remove the HVAC control assembly. Refer to Heater and Air Conditioning Control Replacement.
2. Depress the retaining tabs.
3. Remove the hazard warning switch from the HVAC control assembly.

Installation Procedure

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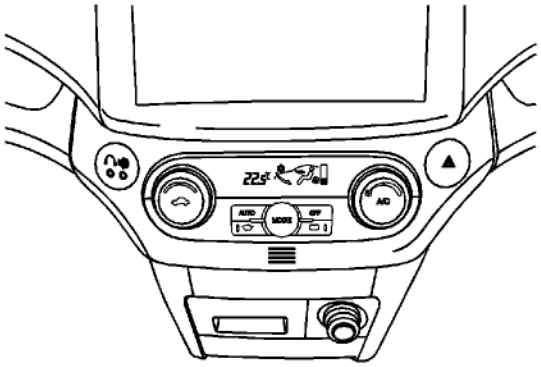

1. Install the hazard warning switch to the HVAC control assembly.
2. Install the HVAC control assembly. Refer to Heater and Air Conditioning Control Replacement.

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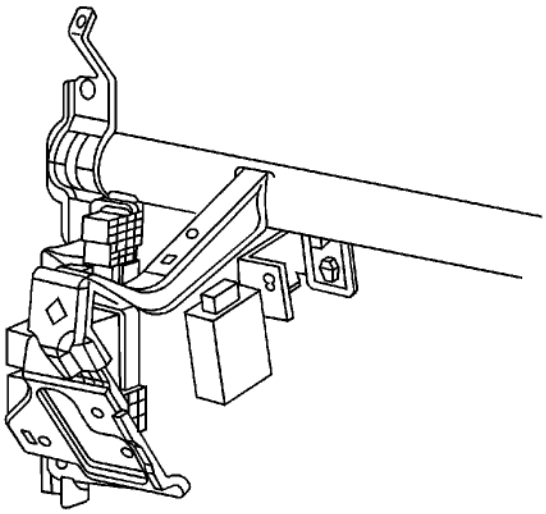
Lamp Control Module Replacement

Replacement Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the instrument panel low cover.
3. Remove the screws and the lamp control module.
4. Disconnect the electrical connector.

Installation Procedure

Caution: Refer to Fastener Caution in the Preface section.

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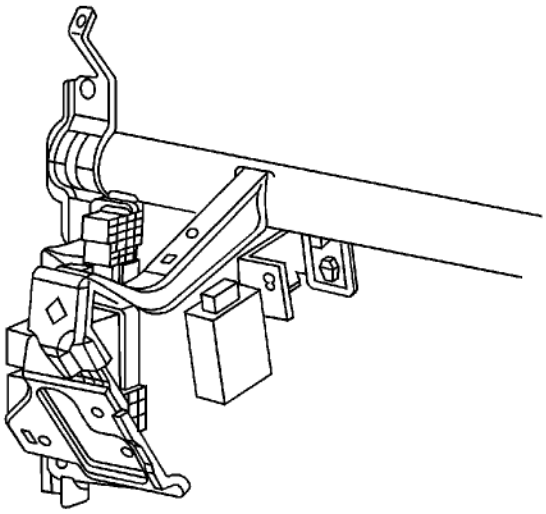

1. Install the lamp control module with the screws.
2. Connect the electrical connector.
3. Install the instrument panel low cover.
4. Connect the negative battery cable.

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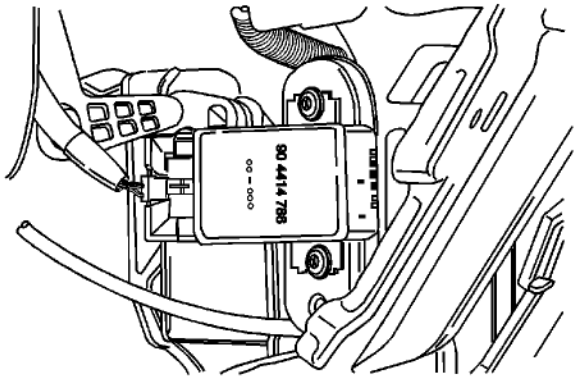
Daytime Running Lights (DRL) Control Module Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the instrument panel lower cover.
3. Reach underneath the instrument panel and remove the bolts and the daytime running lamp module.
4. Disconnect the electrical connector.

Installation Procedure

Caution: Refer to Fastener Caution in the Preface section.

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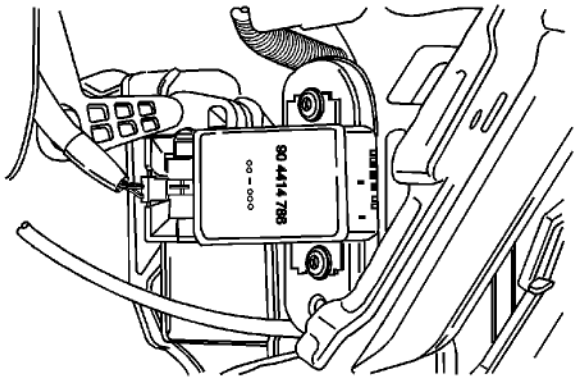

1. Install the daytime running lamp module with the bolts and tighten to **2.5 N·m (22 lb in)**.
2. Connect the electrical connector.
3. Install the instrument panel lower cover.
4. Connect the negative battery cable.

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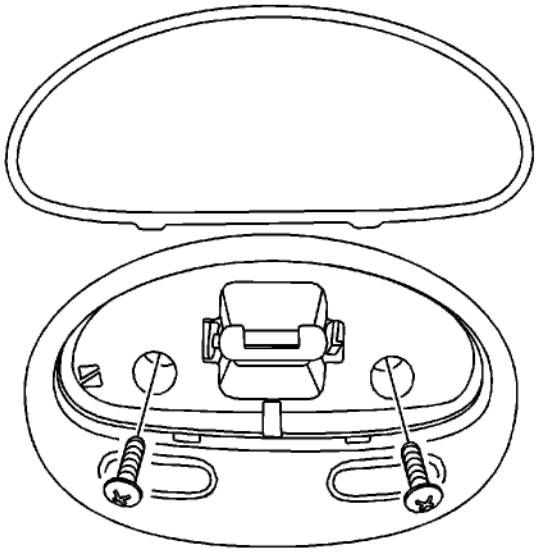
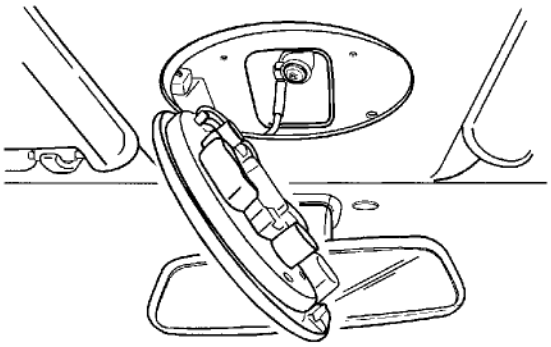
Interior Courtesy Lamp Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Gently pry off the interior courtesy lamp lens by inserting a screwdriver into the recess along the edge of the lens.
3. Remove the screws and the interior courtesy lamp housing from the headliner.



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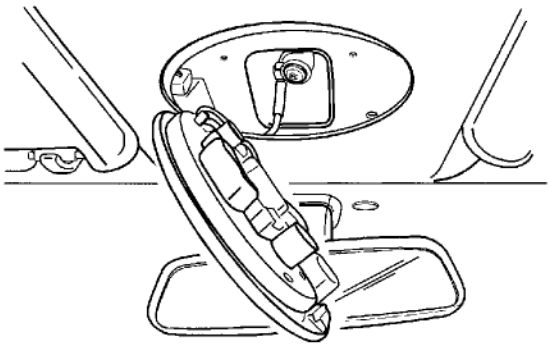
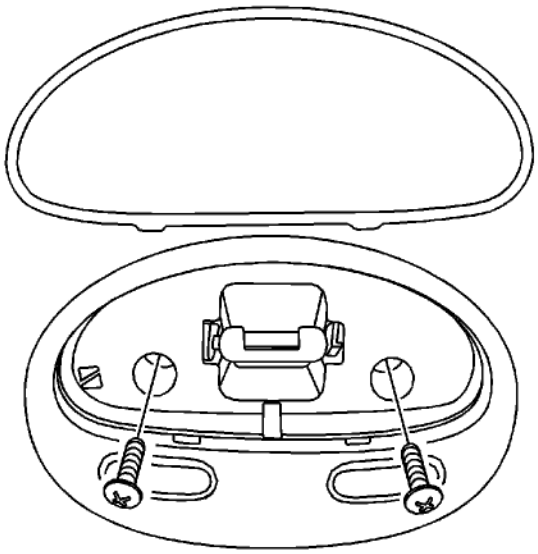
4. Disconnect the electrical connector.
5. Remove the bulb.

Installation Procedure



1. Install a new bulb.
2. Connect the electrical connector.

Caution: Refer to Fastener Caution in the Preface section.



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3. Install the interior courtesy lamp housing to the headliner with the screws and tighten to **2.5 N·m (22 lb in)**.
4. Press the courtesy lamp lens onto the housing.
5. Connect the negative battery cable.

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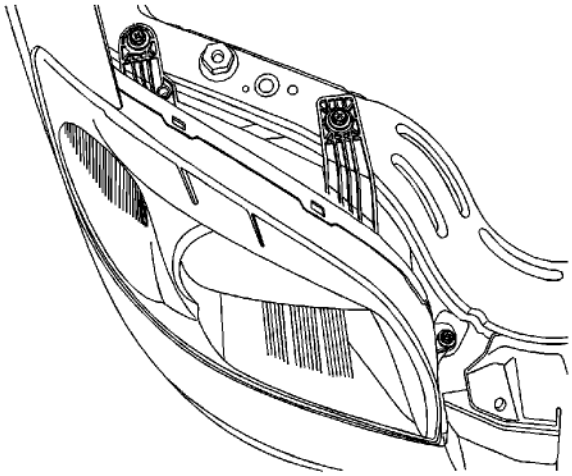
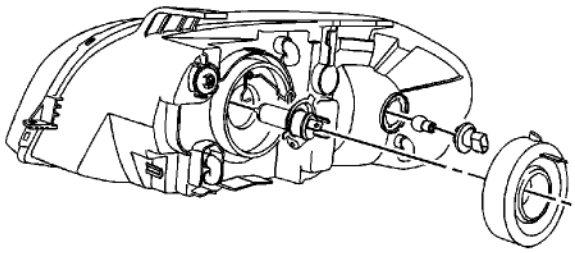
Headlamp Replacement (Notchback)

Removal Procedure



1. Remove the headlamp mounting bolts.
2. Disconnect the electrical connectors.



3. Remove the headlamp assembly.
4. Remove the cap concealing the headlamp bulb.
5. Disconnect the headlamp bulb electrical connector.

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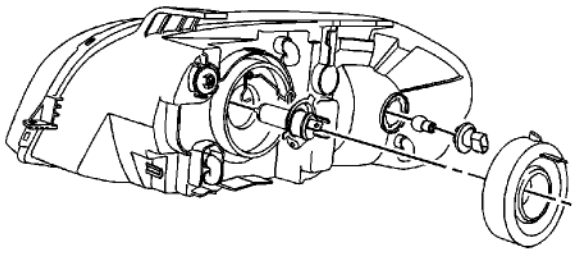
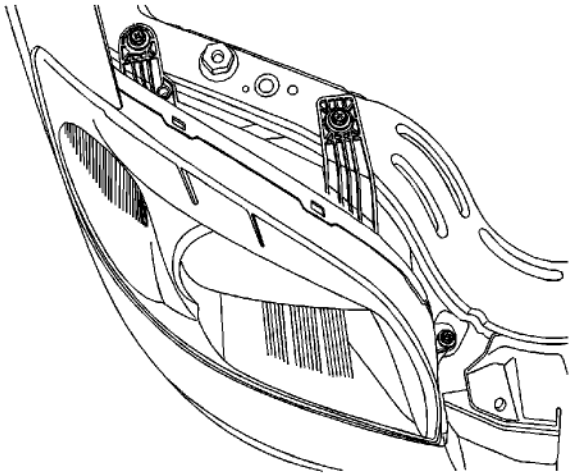
6. Remove the retaining wire.
7. Remove the headlamp bulb.

Installation Procedure



1. Install the headlamp bulb.
2. Install the retaining wire.
3. Connect the headlamp bulb electrical connector.
4. Install the cap concealing the headlamp bulb.



5. Connect the electrical connectors.

Caution: Refer to Fastener Caution in the Preface section.

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6. Install the headlamp assembly with the bolts and tighten to **6 N·m (53 lb in)**.

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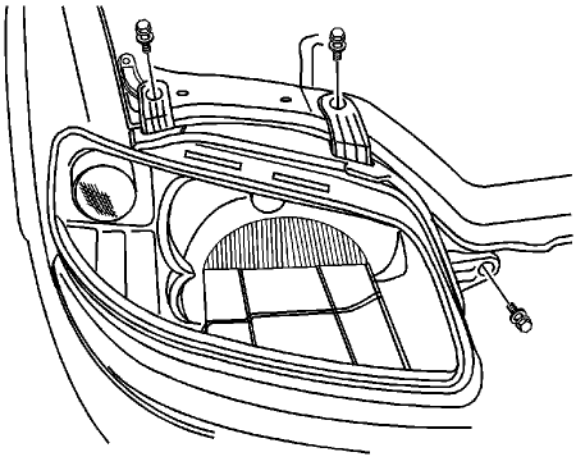
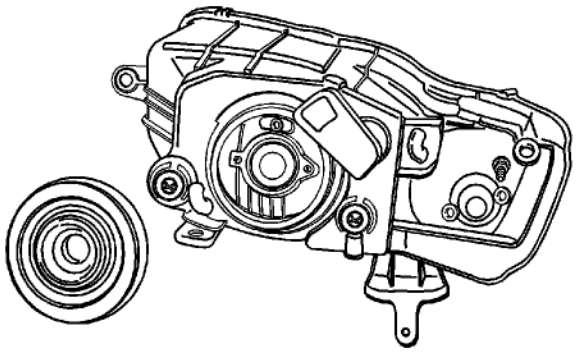
Headlamp Replacement (Hatchback)

Removal Procedure



1. Remove the headlamp mounting bolts.
2. Disconnect the electrical connectors.



3. Remove the headlamp assembly.
4. Remove the cap concealing the headlamp bulb.
5. Disconnect the headlamp bulb electrical connector.

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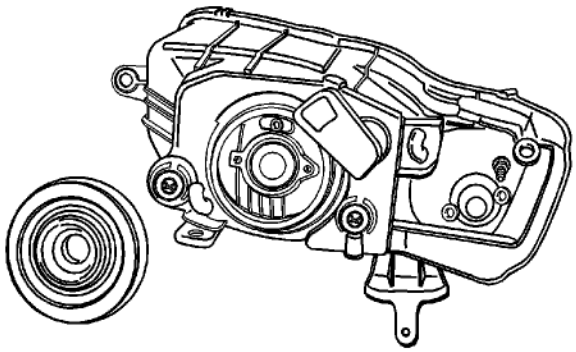
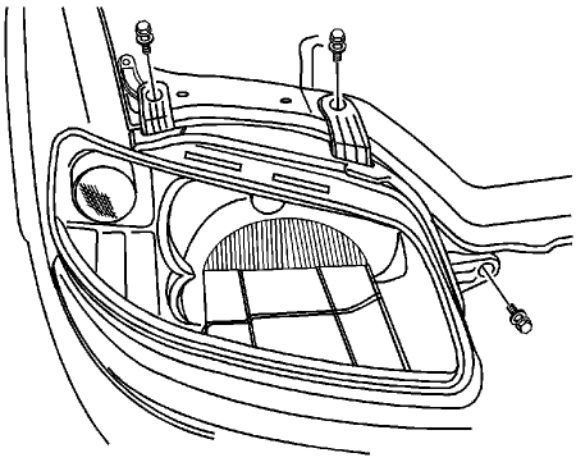
6. Remove the retaining wire.
7. Remove the headlamp bulb.

Installation Procedure



1. Install the headlamp bulb.
2. Install the retaining wire.
3. Connect the headlamp bulb electrical connector.
4. Install the cap concealing the headlamp bulb.



5. Connect the electrical connectors.

Caution: Refer to Fastener Caution in the Preface section.

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6. Install the headlamp assembly with the bolts and tighten to **6 N·m (53 lb in)**.

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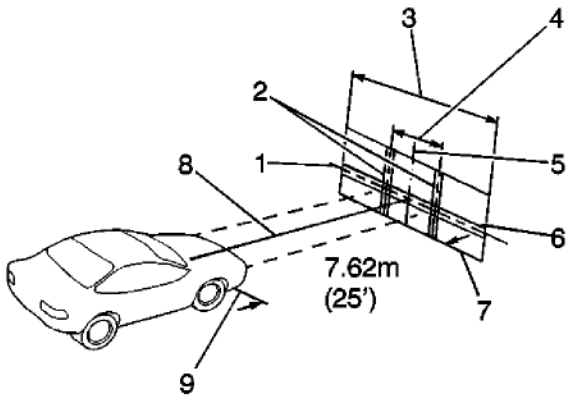
Headlamp Aiming

Visual Aiming Preparation Procedure

Important: Some state and local laws specify requirements for headlamp aim. All of these laws must be complied with when performing any headlamp aiming operations

Headlamp aim should be inspected for the following conditions:

- When a new headlamp capsule is installed
- If service or repairs to the front and area have, or may have, disturbed the headlamps or their mounting
- The area will consist of a level surface large enough to allow for a vehicle and an additional 7.62 m (25 ft) measured from face lamps to the front of the aiming screen
- The screen will be 1.52 m (5 ft) high x 3.66 m (12 ft) wide with a matte white surface well shaded from extraneous light and properly adjusted to the floor on which the vehicle stands. Provisions should be made to align the screen parallel with the vehicle.
- The screen shall be provided with a fixed vertical centerline, two laterally adjustable vertical tapes, and one vertically adjustable horizontal tape.
- If a regular commercial aiming screen is not available, the screen may consist of a vertical wall having a clear uninterrupted area approximately 1.83 m (6 ft) high and 3.66 m (12 ft) wide. The surface should be finished with a washable non-gloss white paint.



After the aiming screen has been setup in its permanent location, paint a reference line on the floor directly under the lens of the lamps to indicate the proper location of the headlamps when they are being aimed:

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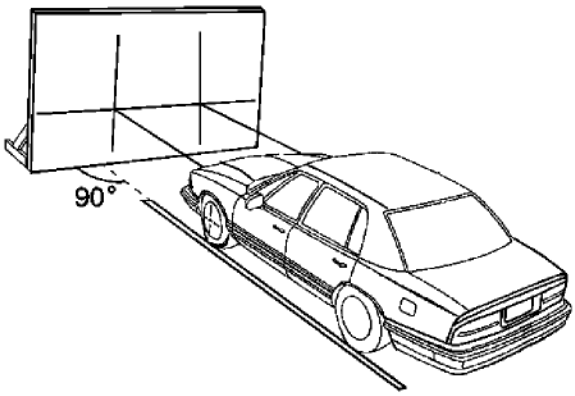
- Distance between headlamps (1)
- Center line of screen (2)
- Adjustable vertical pointer (3)
- Adjustable horizontal tape (4)
- Diagram of light screen (5)
- Vertical center line ahead of right headlamp pointer position (6)
- 7.62 m (25 ft) (7)
- Car Axis (8)
- Adjustable vertical pointer
- Horizontal center line of lamps
- Vertical center line ahead of left headlamp

Prior to aiming the headlamps, the following steps must be taken:

1. Remove any snow, ice or mud from the vehicle.
2. The vehicle must have a full tank of gas.
3. Stop all other work on the vehicle.
4. If any service has been performed on the vehicle make sure that all of the components are back in their original place.
5. The vehicle must be on a level surface.



6. The vehicle left tires must be aligned with the reference line extending from the screen with the headlamps aligned with the reference line.
7. Do not load any cargo in the vehicle.
8. The vehicle must contain one person or 72.56 kg (160 lb) on the driver's seat.
9. Inflate the tires to the proper pressure.
10. Simulate the vehicle loads if the intended use of the vehicle is for hauling heavy loads or towing a trailer.
11. Rock the vehicle in order to stabilize the suspension.
12. Turn on the headlamps to low beam and observe the left and the top edges of the high intensity zone on the screen. The edges of the high intensity zone should fall within the

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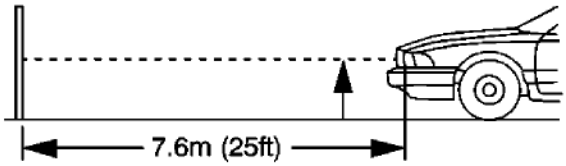
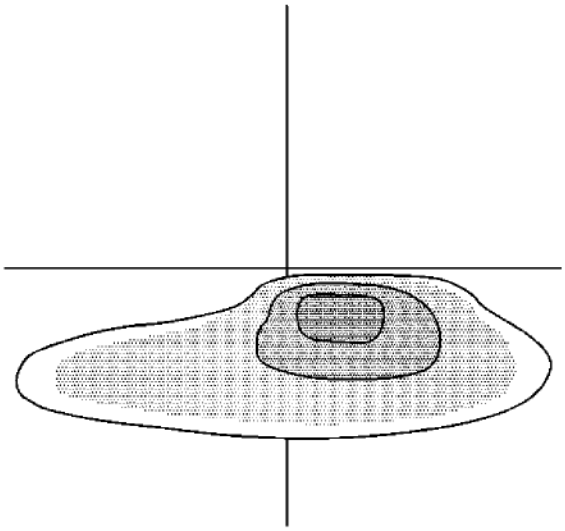
specifications.

Headlamp Aiming Procedure

1. Open the hood.



2. Measure from the floor to the center of the headlamp bulb.
3. At the screen, measure from the floor and place horizontal tape at the measured distance.
4. Measure from the reference line on the floor to the left headlamp bulb centerline.
5. At the screen, measure from the reference line and place the vertical tape at the measured distance.
6. Measure from the reference on the floor to the right headlamp bulb centerline.
7. At the screen, measure from the reference line and place the vertical tape at the measured distance.



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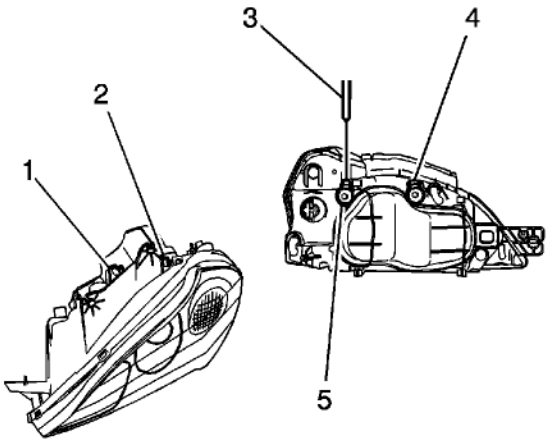
Important: DO NOT cover the headlamp, this may cause excessive heat buildup.

8. Turn on the low beam headlamps and block the light from projecting onto the screen from the passenger side headlamp.



9. In order to adjust the horizontal aim, remove the horizontal aiming hold cap (2) and insert the screwdriver (3) and turn the horizontal headlamp adjusting screw (4).
10. In order to adjust the vertical aim, remove the horizontal aiming hold cap (1) and insert the screwdriver (3) and turn the vertical headlamp adjusting screw (4).
11. Repeat the aiming procedure for the passenger side headlamp while blocking the light from projecting onto the screen from the driver side headlamp.
12. Turn the headlamps OFF.
13. Close the hood

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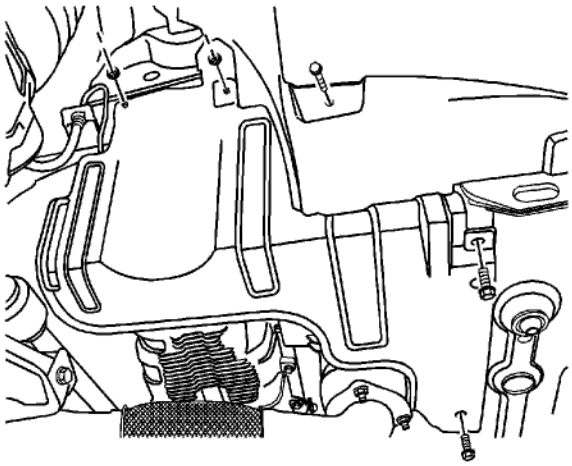
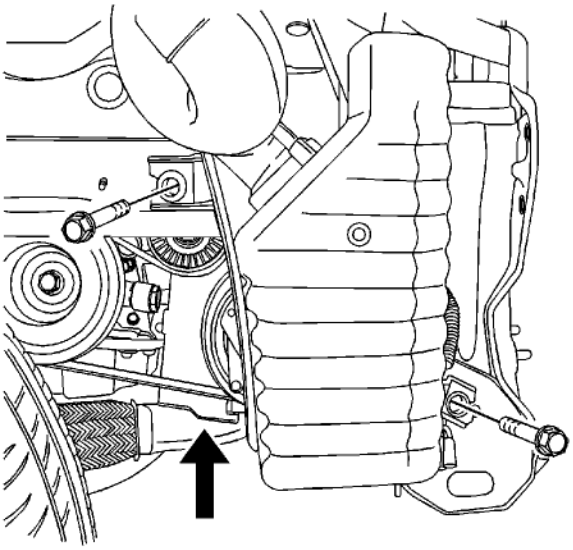
Front Fog Lamp Replacement (Notchback)

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the nuts and the engine under cover.



3. Remove the bolts and the resonator.

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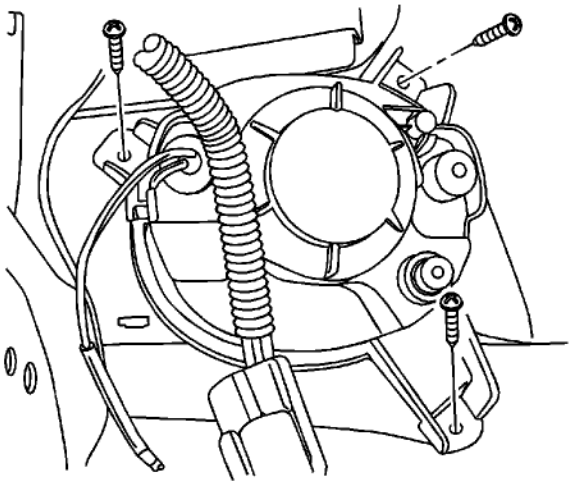
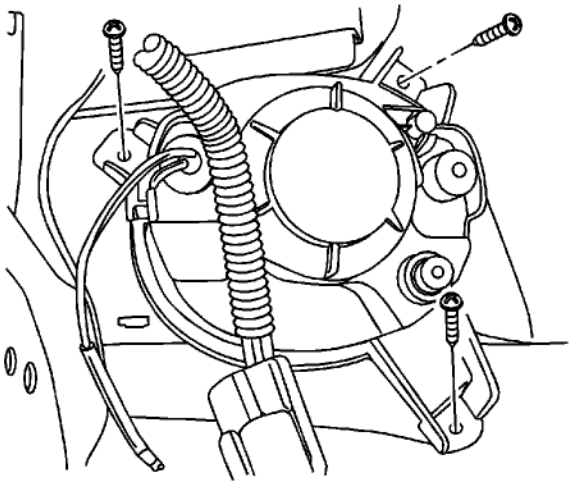


4. Remove the nuts securing the fog lamp assembly.
5. Remove the fog lamp assembly.
6. Disconnect the electrical connector.
7. Remove the bulb.

Installation Procedure



1. Install the bulb.
2. Connect the electrical connector.

Caution: Refer to Fastener Caution in the Preface section.

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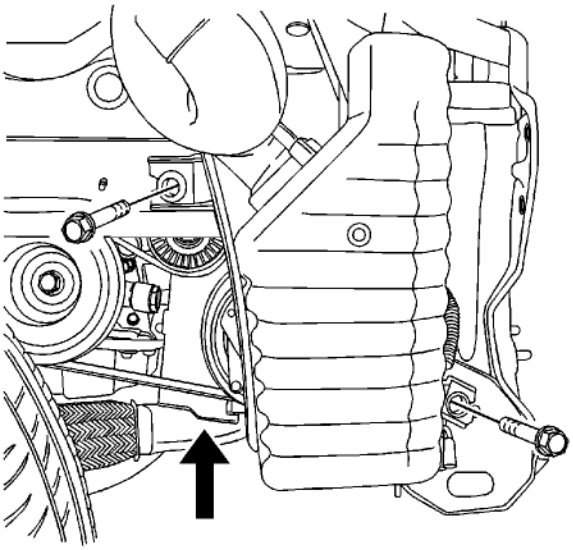
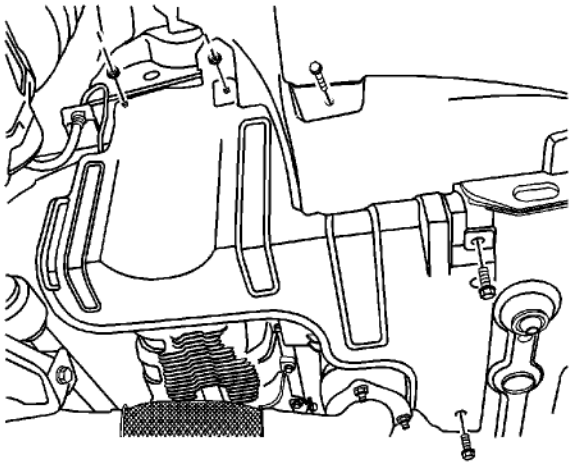
3. Install the fog lamp with the screws and tighten to **5 N·m (44 lb in)**.



4. Install the resonator with the bolts.



5. Install the engine under cover with the bolts.
6. Connect the negative battery cable.

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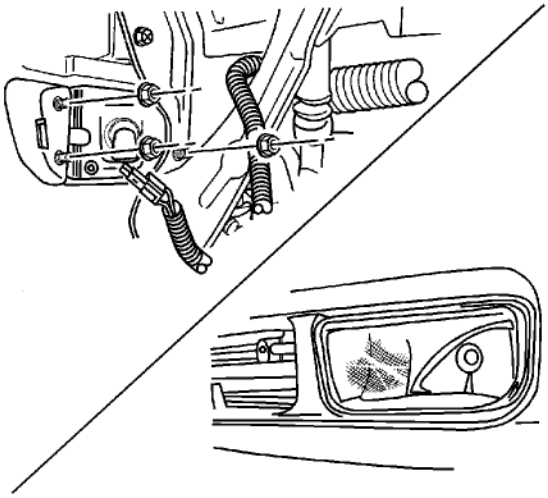
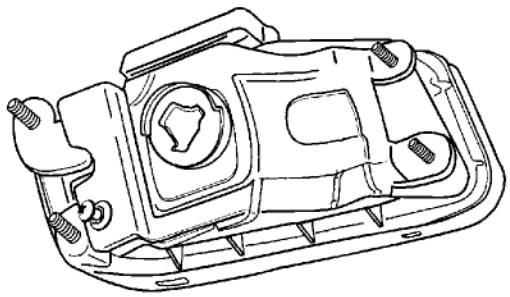
Front Fog Lamp Replacement (Hatchback)

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the nuts securing the fog lamp assembly.
3. Remove the fog lamp assembly.
4. Disconnect the electrical connector.



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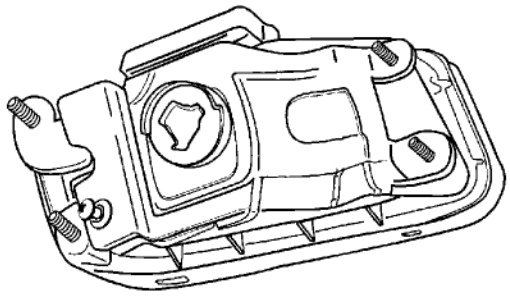
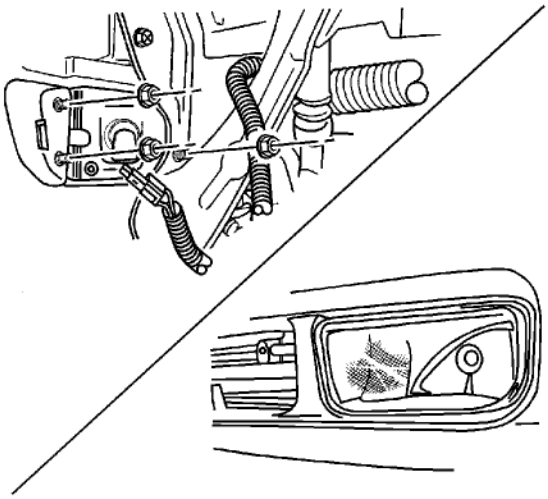
5. Remove the bulb.

Installation Procedure



1. Install the bulb.
2. Connect the electrical connector.



3. Install the fog lamp assembly.
4. Secure the fog lamp assembly with the nuts.
5. Connect the negative battery cable.

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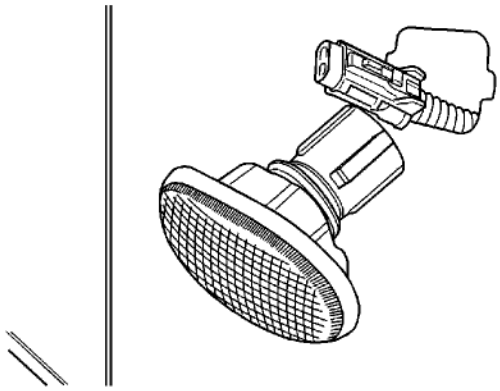
Repeater Lamp Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Slide the side turn signal lamp rearward.
3. Remove the lamp.
4. Disconnect the electrical connector.

Installation Procedure

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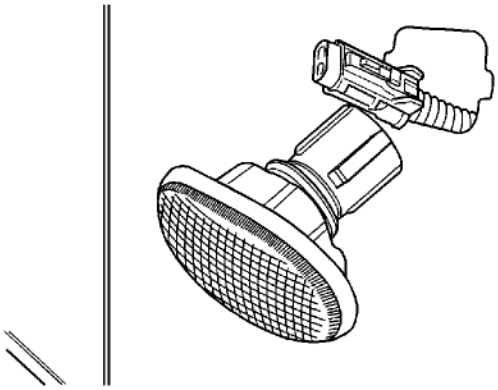

1. Connect the electrical connector.
2. Install the side turn signal lamp.
3. Connect the negative battery cable.

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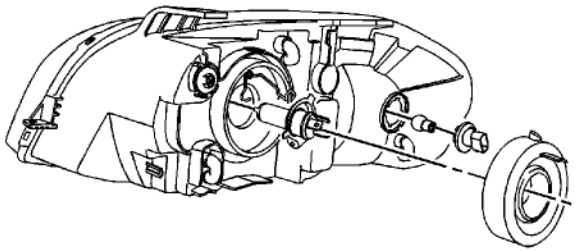
Front Side Marker Lamp Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the headlamps. Refer to Headlamp Replacement.
3. Disconnect the electrical connector.
4. Remove the side marker bulb from the headlamp assembly.
5. Remove the side marker bulb from the socket.

Installation Procedure

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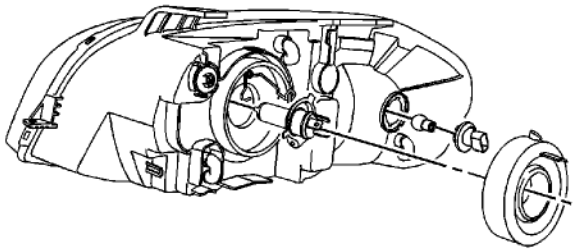

1. Install the side marker bulb to the socket.
2. Install the side marker bulb into the headlamp assembly.
3. Connect the electrical connector.
4. Install the headlamp. Refer to Headlamp Replacement.
5. Connect the negative battery cable.

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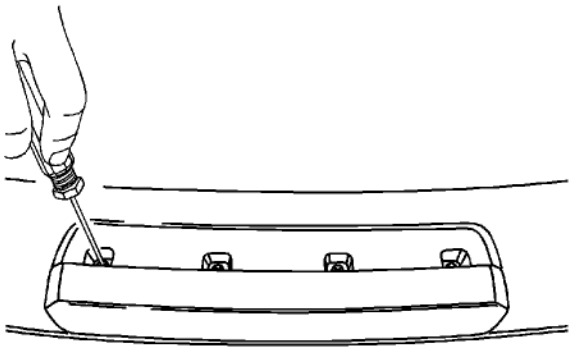
High Mount Stop Lamp Replacement (Rear Spoiler)

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the spoiler. Refer to Rear Spoiler Replacement.
3. Remove the screws and the spoiler CHMSL.
4. Disconnect the electrical connector.

Installation Procedure

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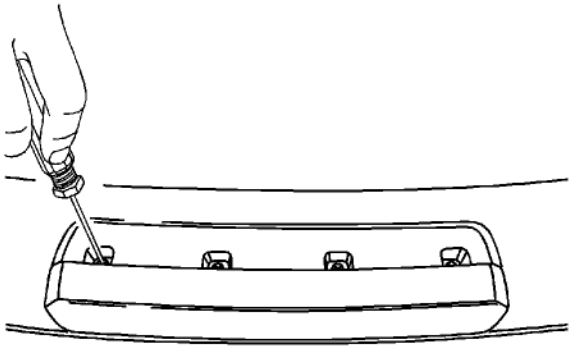

1. Connect the electrical connector.

   Caution: Refer to Fastener Caution in the Preface section.

2. Install the spoiler CHMSL with the screws and tighten to **3 N·m (27 lb in)**.
3. Install the spoiler. Refer to Rear Spoiler Replacement.
4. Connect the negative battery cable.

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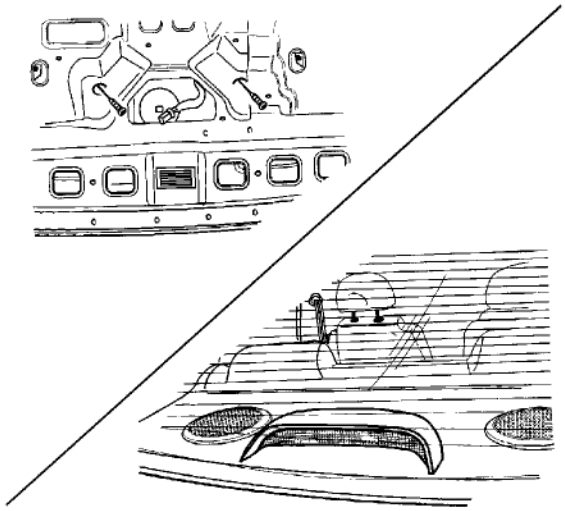
High Mount Stop Lamp Replacement (Notchback)

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Open the rear deck lid.
3. Remove the screws and the center high-mounted stop lamp (CHMSL).
4. Remove the CHMSL bulb.

Installation Procedure

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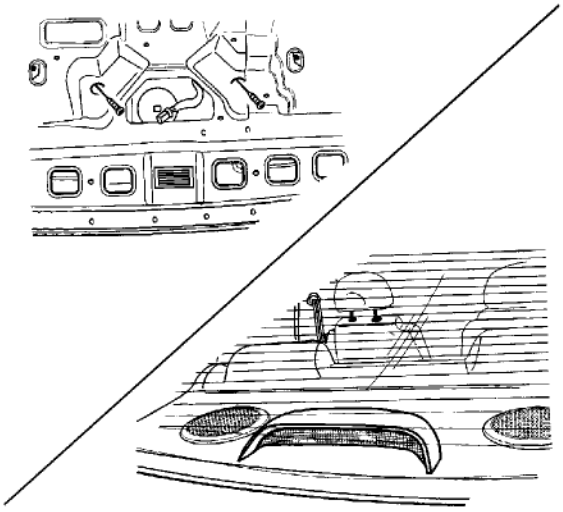

1. Install the CHMSL bulb.
2. Install the CHMSL with the screws.
3. Connect the negative battery cable.

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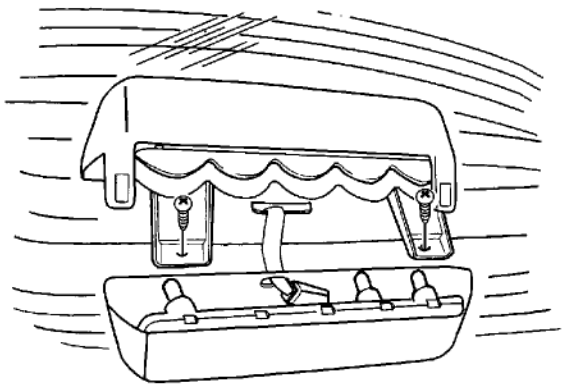
High Mount Stop Lamp Replacement (Hatchback)

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Open the hatchback door.
3. Pry open the center high-mounted stop lamp (CHMSL) access cover with a screwdriver.
4. Disconnect the electrical connector.
5. Remove the screws and the CHMSL.

Installation Procedure

Caution: Refer to Fastener Caution in the Preface section.

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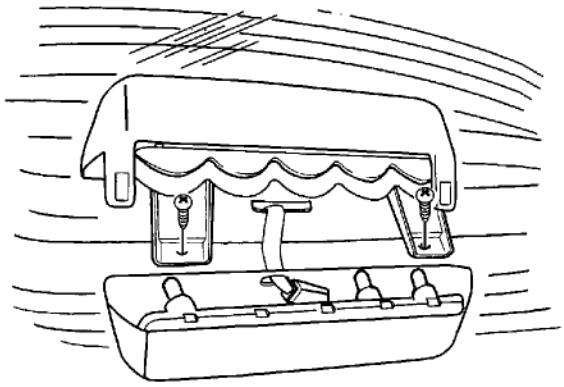

1. Install the CHMSL with the screws and tighten to **3 N·m (27 lb in)**.
2. Connect the electrical connector.
3. Close the CHMSL access cover.
4. Connect the negative battery cable.

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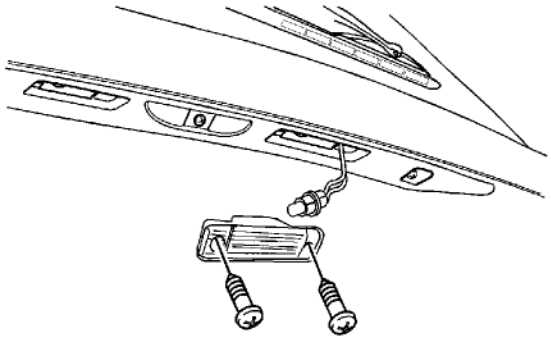
Rear License Plate Lamp Replacement (Typical)

Removal Procedure



1. Remove the screws.
2. Disconnect the electrical connector.
3. Remove the lamp assembly.
4. Remove the bulb.

Installation Procedure

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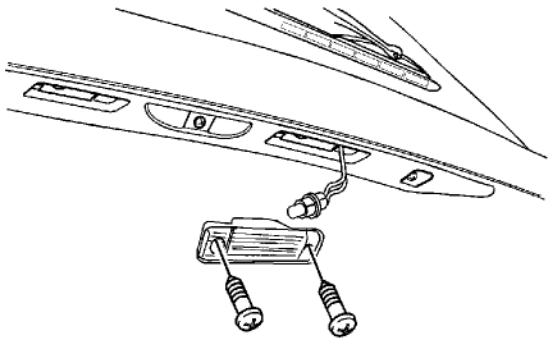

1. Install a new bulb.
2. Connect the electrical connector.

Caution: Refer to Fastener Caution in the Preface section.

3. Install the lamp assembly with the screws and tighten to **1.5 N·m (13 lb in)**.

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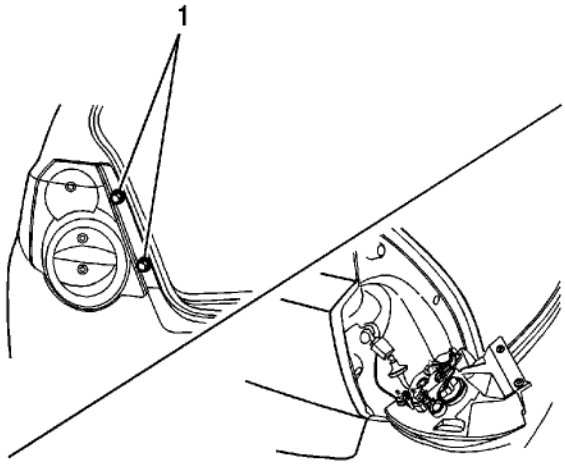
Tail Lamp Replacement (Hatchback)

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the tail lamp assembly screws (1).
3. Slide the tail lamp assembly toward the hatch opening and remove it.
4. Remove the bulbs.

Installation Procedure

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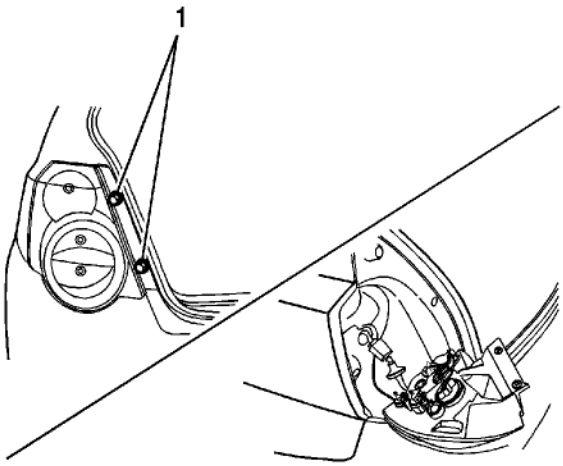

1. Install the bulbs.

   Caution: Refer to Fastener Caution in the Preface section.

2. Install the tail lamp assembly with the screws (1) and tighten to **3 N·m (27 lb in)**.
3. Connect the negative battery cable.

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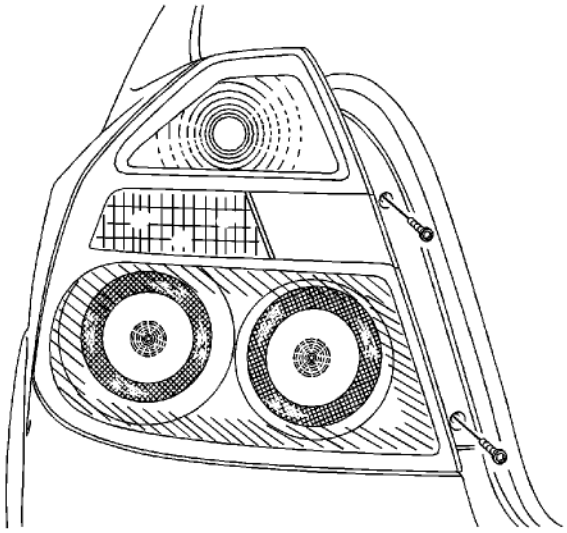
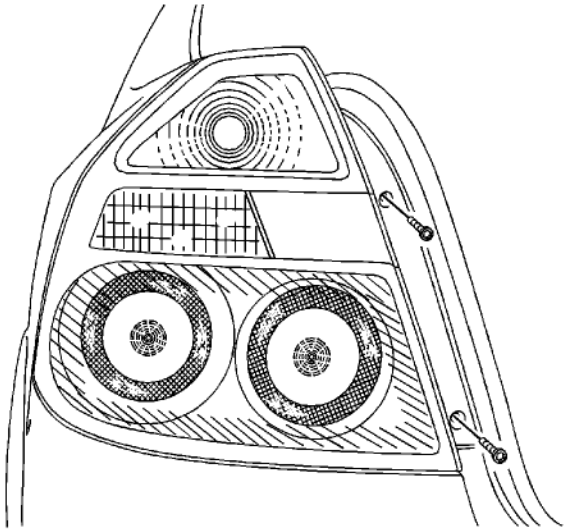
Tail Lamp Replacement (Notchback)

Removal Procedure



1. Remove the screws and the lamp assembly.
2. Remove the bulbs.

Installation Procedure



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1. Install the bulbs.

   Caution: Refer to Fastener Caution in the Preface section.

2. Install the lamp assembly with the screws and tighten to **3 N·m (27 lb in)**.

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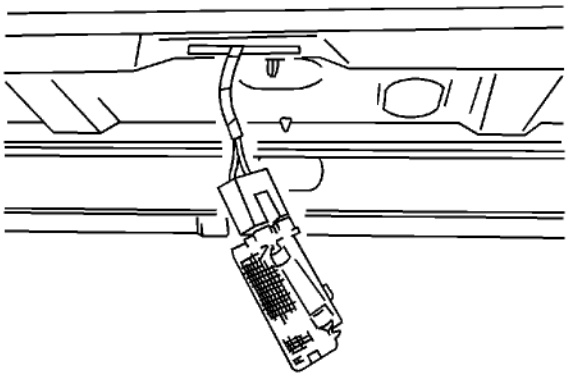
Rear Compartment Courtesy Lamp Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Gently pry the luggage compartment lamp off by inserting a flathead screwdriver into the recess on the edge of the lamp.
3. Disconnect the electrical connector.
4. Remove the bulb.

Installation Procedure

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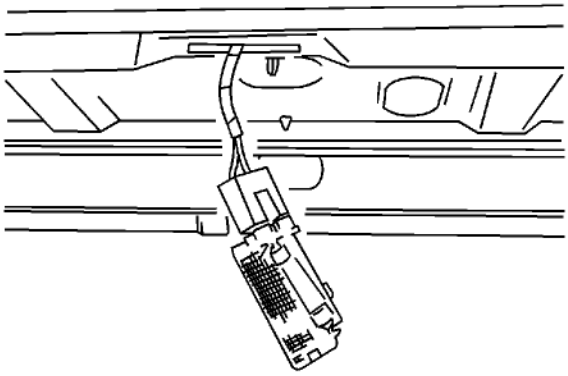

1. Install a new bulb.
2. Connect the electrical connector.
3. Insert the luggage compartment lamp into the recess and press the lens into place.
4. Connect the negative battery cable.

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