

LAMPS

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LAMP SYSTEMS

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GENERAL INFORMATION

SAFETY PRECAUTIONS

**WARNING: EYE PROTECTION SHOULD BE USED WHEN SERVICING GLASS COMPONENTS. PERSONAL INJURY CAN RESULT.**

**CAUTION:** Do not touch the glass of halogen bulbs with fingers or other possibly oily surface, reduced bulb life will result.

Do not use bulbs with higher candle power than indicated in the Bulb Application table at the end of this group. Damage to lamp and/or Daytime Running Lamp Module can result.

Do not use fuses, circuit breakers or relays having greater amperage value than indicated on the fuse panel or in the Owners Manual.

When it is necessary to remove components to service another, it should not be necessary to apply excessive force or bend a component to remove it.

Before damaging a trim component, verify hidden fasteners or captured edges are not holding the component in place.

HEADLAMP LEVELING MOTOR

This vehicle is equipped with a remote headlamp leveling system. This system allows the driver to adjust the vertical headlamp aim from the interior of the vehicle to compensate for passenger or cargo load. A headlamp leveling switch is located in the instrument panel and controls the headlamp leveling motor found on the back of the headlamp module.

DIAGNOSIS AND TESTING

DIAGNOSTIC PROCEDURES

When a vehicle experiences problems with the headlamp system, verify the condition of the battery connections, charging system, headlamp bulbs, wire connectors, relay, high beam dimmer switch and headlamp switch. Refer to Group 8W, Wiring Diagrams, for component locations and circuit information.

## DIAGNOSIS AND TESTING (Continued)

## HEADLAMP DIAGNOSIS

| CONDITION                                                   | POSSIBLE CAUSES                                                                                                                                                                                                                                                                                                                                                                   | CORRECTION                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HEADLAMPS ARE DIM WITH ENGINE IDLING OR IGNITION TURNED OFF | <ol style="list-style-type: none"> <li>1. Loose or corroded battery cables.</li> <li>2. Loose or worn alternator drive belt.</li> <li>3. Charging system output too low.</li> <li>4. Battery has insufficient charge.</li> <li>5. Battery is sulfated or shorted.</li> <li>6. Poor lighting circuit Z1-ground.</li> </ol>                                                         | <ol style="list-style-type: none"> <li>1. Clean and secure battery cable clamps and posts.</li> <li>2. Adjust or replace alternator drive belt.</li> <li>3. Test and repair charging system. Refer to Group 8A.</li> <li>4. Test battery state-of-charge. Refer to Group 8A.</li> <li>5. Load test battery. Refer to Group 8A.</li> <li>6. Test for voltage drop across Z1-ground locations. Refer to Group 8W.</li> </ol> |
| HEADLAMP BULBS BURN OUT FREQUENTLY                          | <ol style="list-style-type: none"> <li>1. Charging system output too high.</li> <li>2. Loose or corroded terminals or splices in circuit.</li> </ol>                                                                                                                                                                                                                              | <ol style="list-style-type: none"> <li>1. Test and repair charging system. Refer to Group 8A.</li> <li>2. Inspect and repair all connectors and splices. Refer to Group 8W.</li> </ol>                                                                                                                                                                                                                                     |
| HEADLAMPS ARE DIM WITH ENGINE RUNNING ABOVE IDLE            | <ol style="list-style-type: none"> <li>1. Charging system output too low.</li> <li>2. Poor lighting circuit Z1-ground.</li> <li>3. High resistance in headlamp circuit.</li> </ol>                                                                                                                                                                                                | <ol style="list-style-type: none"> <li>1. Test and repair charging system. Refer to Group 8A.</li> <li>2. Test for voltage drop across Z1-ground locations. Refer to Group 8W.</li> <li>3. Test amperage draw of headlamp circuit.</li> </ol>                                                                                                                                                                              |
| HEADLAMPS FLASH RANDOMLY                                    | <ol style="list-style-type: none"> <li>1. Poor lighting circuit Z1-ground.</li> <li>2. High resistance in headlamp circuit.</li> <li>3. Loose or corroded terminals or splices in circuit.</li> </ol>                                                                                                                                                                             | <ol style="list-style-type: none"> <li>1. Test for voltage drop across Z1-ground locations, refer to Group 8W.</li> <li>2. Test amperage draw of headlamp circuit.</li> <li>3. Inspect and repair all connectors and splices. Refer to Group 8W.</li> </ol>                                                                                                                                                                |
| HEADLAMPS DO NOT ILLUMINATE                                 | <ol style="list-style-type: none"> <li>1. No voltage to headlamps.</li> <li>2. No Z1-ground at headlamps.</li> <li>3. Faulty headlamp switch.</li> <li>4. Faulty headlamp dimmer (multi-function) switch.</li> <li>5. Broken connector terminal or wire splice in headlamp circuit.</li> <li>6. Defective or burned out bulb.</li> <li>7. Body controller malfunction.</li> </ol> | <ol style="list-style-type: none"> <li>1. Repair open headlamp circuit. Refer to Group 8W.</li> <li>2. Repair circuit ground. Refer to Group 8W.</li> <li>3. Replace headlamp switch.</li> <li>4. Replace multi-function switch.</li> <li>5. Repair connector terminal or wire splice.</li> <li>6. Replace bulb.</li> <li>7. Refer to appropriate body controller diagnostics.</li> </ol>                                  |

## DIAGNOSIS AND TESTING (Continued)

## FOG LAMP DIAGNOSIS

| CONDITION                                                    | POSSIBLE CAUSES                                                                                                                                                                                                                                                                                                           | CORRECTION                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FOG LAMPS ARE DIM WITH ENGINE IDLING OR IGNITION TURNED OFF. | <ol style="list-style-type: none"> <li>1. Loose or corroded battery cables.</li> <li>2. Loose or worn alternator drive belt.</li> <li>3. Charging system output too low.</li> <li>4. Battery has insufficient charge.</li> <li>5. Battery is sulfated or shorted.</li> <li>6. Poor lighting circuit Z1-ground.</li> </ol> | <ol style="list-style-type: none"> <li>1. Clean and secure battery cable clamps and posts.</li> <li>2. Adjust or replace alternator drive belt.</li> <li>3. Test and repair charging system. Refer to Group 8A,</li> <li>4. Test battery state-of -charge. Refer to Group 8A.</li> <li>5. Load test battery. Refer to Group 8A.</li> <li>6. Test for voltage drop across Z1-ground locations. Refer to Group 8W.</li> </ol> |
| FOG LAMP BULBS BURN OUT FREQUENTLY                           | <ol style="list-style-type: none"> <li>1. Charging system output too high.</li> <li>2. Loose or corroded terminals or splices in circuit.</li> </ol>                                                                                                                                                                      | <ol style="list-style-type: none"> <li>1. Test and repair charging system. Refer to Group 8A.</li> <li>2. Inspect and repair all connectors and splices. Refer to Group 8W.</li> </ol>                                                                                                                                                                                                                                      |
| FOG LAMPS ARE DIM WITH ENGINE RUNNING ABOVE IDLE             | <ol style="list-style-type: none"> <li>1. Charging system output too low.</li> <li>2. Poor lighting circuit Z1-ground.</li> <li>3. High resistance in fog lamp circuit.</li> </ol>                                                                                                                                        | <ol style="list-style-type: none"> <li>1. Test and repair charging system. Refer to Group 8A.</li> <li>2. Test for voltage drop across Z1-ground locations. Refer to Group 8W.</li> <li>3. Test amperage draw of fog lamp circuit.</li> </ol>                                                                                                                                                                               |
| FOG LAMPS FLASH RANDOMLY                                     | <ol style="list-style-type: none"> <li>1. Poor lighting circuit Z1-ground.</li> <li>2. High resistance in fog lamp circuit.</li> <li>3. Faulty fog lamp switch.</li> <li>4. Loose or corroded terminals or splices in circuit.</li> </ol>                                                                                 | <ol style="list-style-type: none"> <li>1. Test for voltage drop across Z1-ground locations. Refer to Group 8W.</li> <li>2. Test amperage draw of fog lamp circuit.</li> <li>3. Replace fog lamp switch.</li> <li>4. Inspect and repair all connectors and splices. Refer to Group 8W.</li> </ol>                                                                                                                            |
| FOG LAMPS DO NOT ILLUMINATE                                  | <ol style="list-style-type: none"> <li>1. Blown fuse for fog lamp.</li> <li>2. No Z1-ground at fog lamps.</li> <li>3. Faulty fog lamp switch.</li> <li>4. Broken connector terminal or wire splice in fog lamp circuit.</li> <li>5. Defective or burned out bulb.</li> </ol>                                              | <ol style="list-style-type: none"> <li>1. Replace fuse. Refer to Group 8W.</li> <li>2. Repair circuit ground. Refer to Group 8W.</li> <li>3. Replace fog lamp switch.</li> <li>4. Repair connector terminal or wire splice.</li> <li>5. Replace bulb.</li> </ol>                                                                                                                                                            |

## DIAGNOSIS AND TESTING (Continued)

*HEADLAMP LEVELING MOTOR DIAGNOSIS*

| CONDITION                  | POSSIBLE CAUSES                                                                                                                                                                                          | CORRECTION                                                                                                                                                                                                                                             |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ONE MOTOR DOES NOT OPERATE | <ol style="list-style-type: none"><li>1. Poor connection at motor.</li><li>2. No voltage at motor.</li><li>3. Defective motor.</li></ol>                                                                 | <ol style="list-style-type: none"><li>1. Secure connector on motor.</li><li>2. Repair circuit. Refer to Group 8W, Wiring.</li><li>3. Replace motor.</li></ol>                                                                                          |
| BOTH MOTORS DO NOT OPERATE | <ol style="list-style-type: none"><li>1. No voltage at headlamp leveling switch.</li><li>2. No voltage at both motors.</li><li>3. Poor connection at motors.</li><li>4. Both motors defective.</li></ol> | <ol style="list-style-type: none"><li>1. Repair circuit or replace fuse. Refer to Group 8W, Wiring.</li><li>2. Repair circuit or replace fuse. Refer to Group 8W, Wiring.</li><li>3. Secure connectors on motors.</li><li>4. Replace motors.</li></ol> |

## HEADLAMP ALIGNMENT

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#### SERVICE PROCEDURES

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#### SERVICE PROCEDURES

##### HEADLAMP ALIGNMENT PREPARATION

- (1) Verify headlamp dimmer switch and high beam indicator operation.
- (2) Inspect and correct damaged or defective components that could interfere with proper headlamp alignment.
- (3) Verify that the headlamp leveling switch is in the "0" position.
- (4) Verify proper tire inflation.
- (5) Clean the headlamp lenses.
- (6) Verify that the luggage area is not heavily loaded.
- (7) Fuel tank should be FULL. Add 2.94 kg (6.5 lbs.) of weight over the fuel tank for each estimated gallon of missing fuel.

#### ADJUSTMENTS

##### HEADLAMP AND FOG LAMP ADJUSTMENT USING ALIGNMENT SCREEN

**NOTE:** 300M vehicle headlamps should be aligned using the low beams. The high beams should be used to verify low beam settings.

#### ADJUSTMENTS

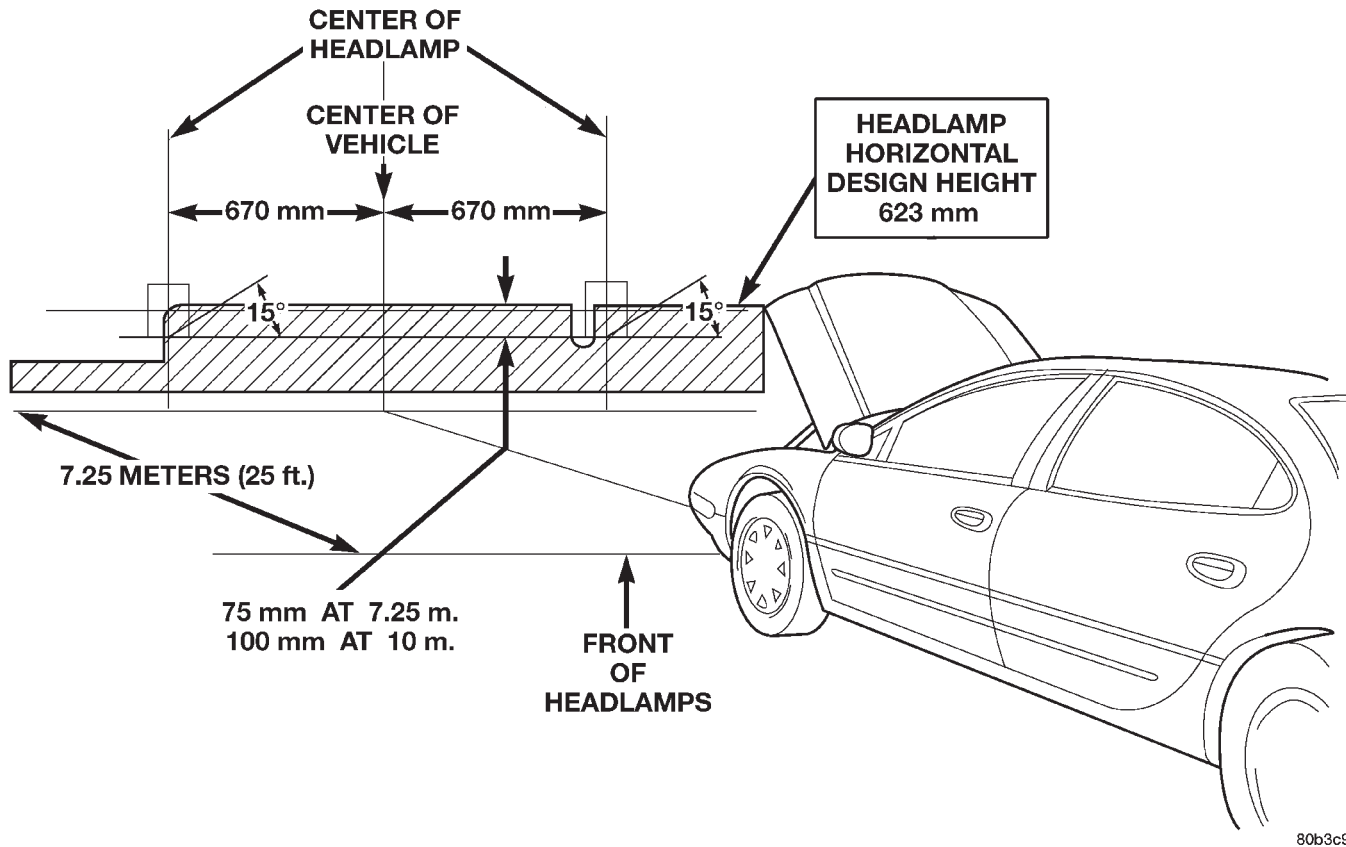
HEADLAMP AND FOG LAMP ADJUSTMENT  
USING ALIGNMENT SCREEN . . . . . 5

##### ALIGNMENT SCREEN PREPARATION

- (1) Position vehicle on a level surface perpendicular to a flat wall 7.62 meters (25 ft.) away from front of headlamp lens.
- (2) If necessary, tape a line on the floor 7.62 meters (25 ft.) away from and parallel to the wall.
- (3) From the floor up 1.27 meters (5 ft.), tape a line on the wall at the center line of the vehicle. Sight along the center line of the vehicle (from rear of vehicle forward) to verify accuracy of the line placement.
- (4) Rock vehicle side-to-side three times to allow suspension to stabilize.
- (5) Jounce front suspension three times by pushing downward on front bumper and releasing.
- (6) Measure the distance from the center of the headlamp bulbs to the floor (623 mm or 24.5 in. by design). Transfer measurement to the alignment screen (with tape). Use this line for up/down adjustment reference.
- (7) Measure distance from the center line of the vehicle to the center of the low beam headlamp bulbs (1339 mm or 52.7 in.). Transfer measurements to screen (with tape) to each side of vehicle center line. Use these lines for left/right adjustment reference.

**NOTE:** There are reference marks on the lens to assist in locating the lamp centers.

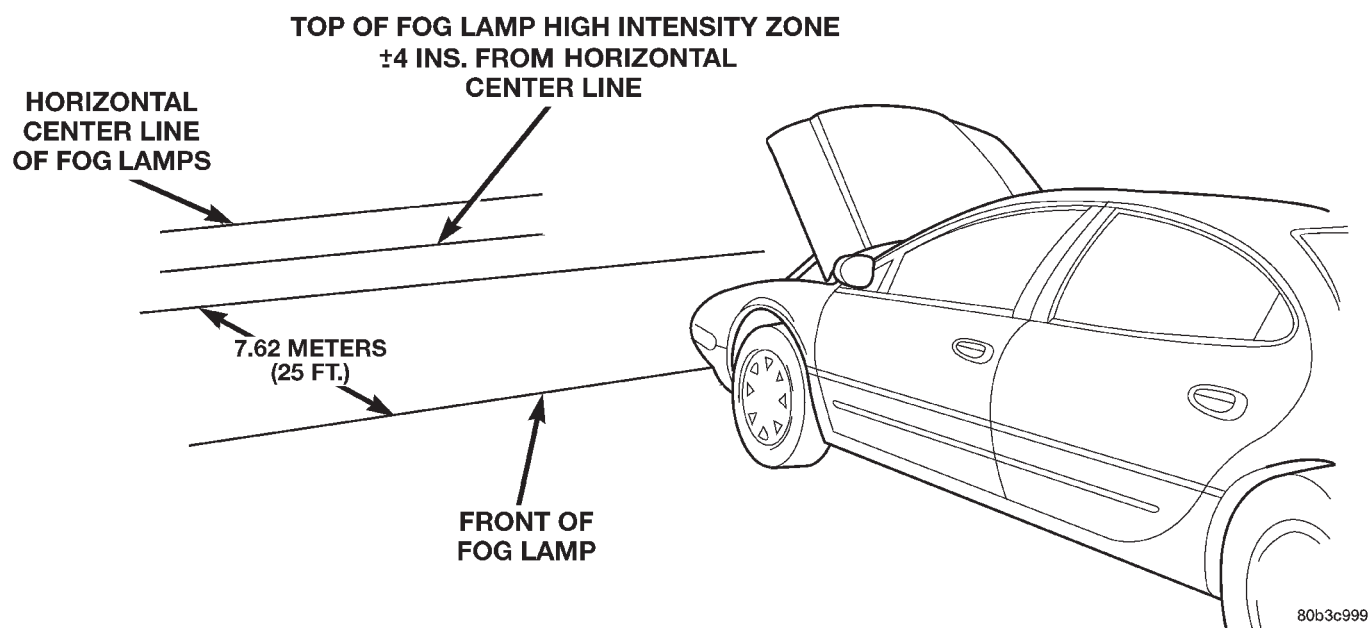
## ADJUSTMENTS (Continued)

**Fig. 1 Headlamp Alignment Screen****HEADLAMP ADJUSTMENT**

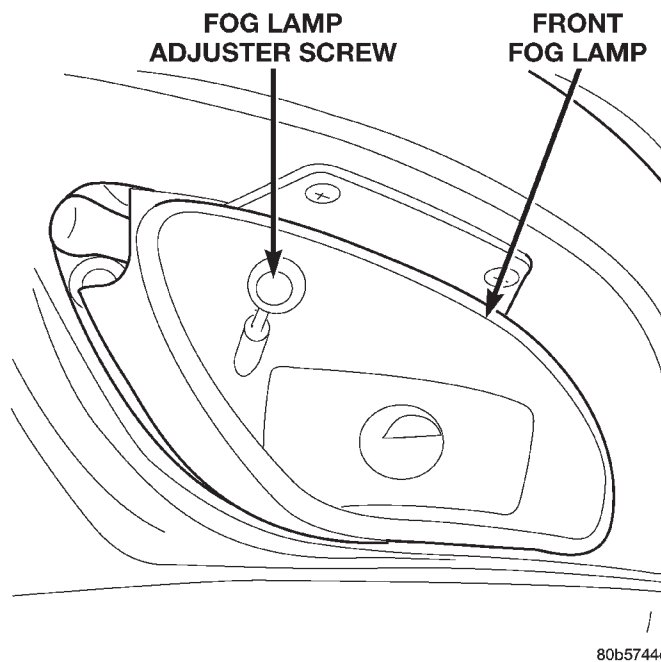
(Fig. 1). The low beams should be aimed such that the cut-off is 1% below the horizontal centerline established in step 6 of the alignment screen preparation. For a 7.25m (25ft.) aiming distance, this is 75mm (3in.). For a standard 10m European aiming screen, this 100mm (4in.). The vertical aim can be adjusted by turning the adjusting screw on the top of the leveling motor.

The horizontal aim should be set so that the notch between the horizontal component of the cut-off and the 15° portion is approximately at the headlamp centerline as shown in the illustration. This is not normally required, but the horizontal adjusters can be accessed in the outboard area between the lamp and the crossmember.

## ADJUSTMENTS (Continued)

*Fig. 2 Fog Lamp Alignment Screen***FOG LAMP ALIGNMENT**

Prepare an alignment screen. Refer to Alignment Screen Preparation paragraph in this section. A properly aligned fog lamp will project a pattern on the alignment screen 100 mm (4 in.) below the fog lamp center line and straight ahead. To adjust fog lamp alignment, rotate the alignment screw (Fig. 3).

*Fig. 3 Fog lamp Adjuster Screw*

## LAMP BULB SERVICE

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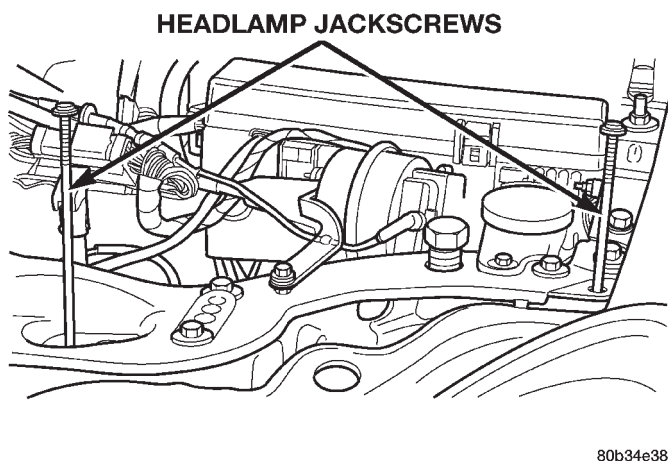
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## REMOVAL AND INSTALLATION

## HEADLAMP BULB

*Removal*

- (1) Hoist Vehicle.
- (2) Partially remove the front fascia to gain access to the headlamp assembly. Refer to Group 13, Frame and Bumpers for Removal and Installation procedures.
- (3) Remove the jackscrews attaching the headlamp assembly to the crossmember (Fig. 1).

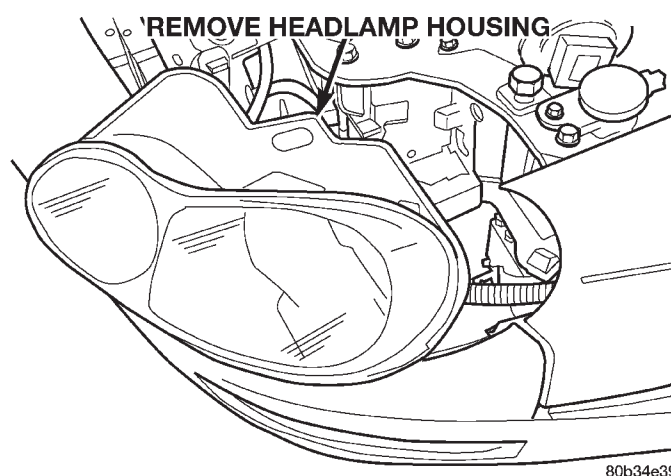
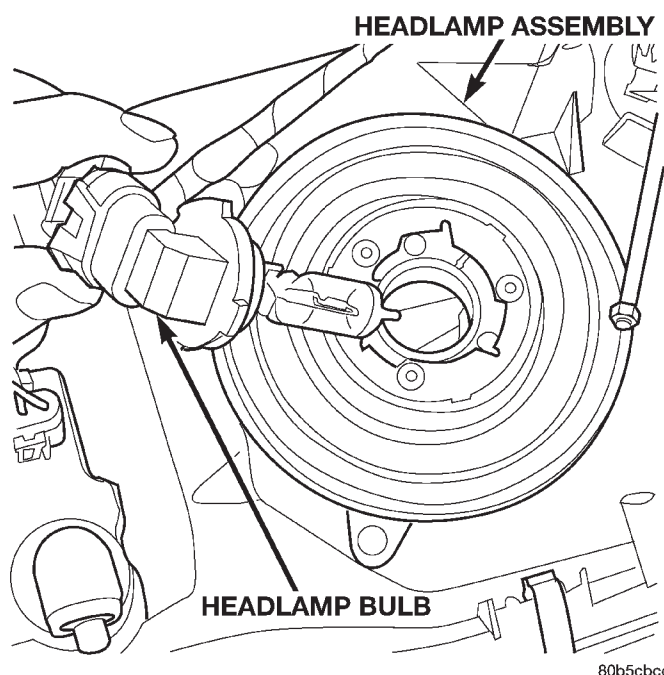
**Fig. 1 Headlamp Jackscrews**

- (4) Pull the headlamp assembly out and disconnect the electrical connectors (Fig. 2).
- (5) Twist and remove the appropriate bulb from the headlamp assembly (Fig. 3).
- (6) Remove the electrical connector from the bulb.

*Installation*

**CAUTION:** Do not touch the bulb glass with fingers or other oily surfaces. Reduced bulb life will result.

- (1) Twist the new bulb into the headlamp assembly.

**Fig. 2 Headlamp Assembly Removal****Fig. 3 Headlamp Bulb**

## REMOVAL AND INSTALLATION (Continued)

(2) Reconnect the headlamp assembly electrical connectors and slide the headlamp assembly back into the crossmember.

(3) Install the headlamp jackscrews (Fig. 1).

(4) Reinstall the front fascia. Refer to Group 13, Frame and Bumpers for Removal and Installation procedures.

(5) Lower vehicle from hoist.

## FRONT PARKING, SIDE MARKER, AND TURN SIGNAL LAMP BULB

### Removal

(1) Remove the front fog lamp assembly. Refer to the Front Fog Lamp Assembly Removal and Installation procedures.

(2) Reach up through the front fascia and rotate the bulb socket.

(3) Pull the bulb socket from the lamp housing (Fig. 4).

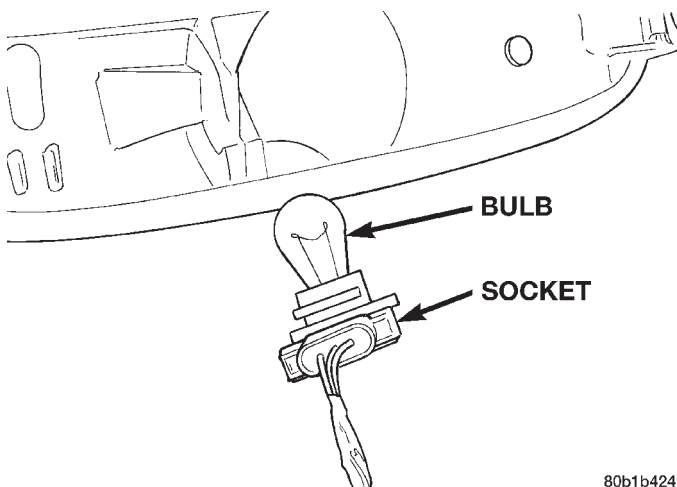


**Fig. 4 Front Parking, Side Marker, and Turn Signal Lamp Bulb**

(4) Pull the bulb from the socket.

### Installation

(1) Push the bulb into the socket.

(2) Install the socket into the lamp housing.

(3) Install the fog lamp assembly.

## CITY LAMP BULB

### Removal

(1) Remove the headlamp assembly. Refer to the Headlamp Assembly removal and Installation procedures.

(2) Twist and remove the city lamp socket housing from the headlamp assembly (Fig. 5).

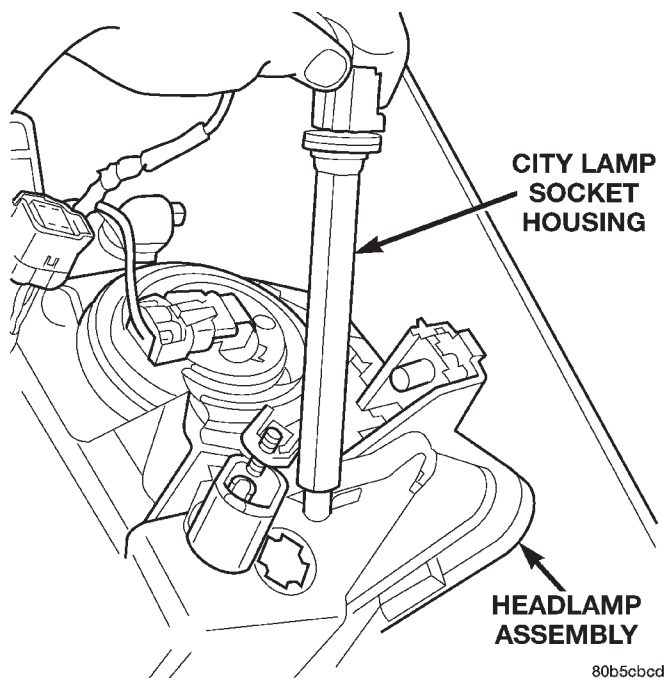


**Fig. 5 City Lamp Housing**

(3) Pull the city lamp bulb from the socket housing (Fig. 6).

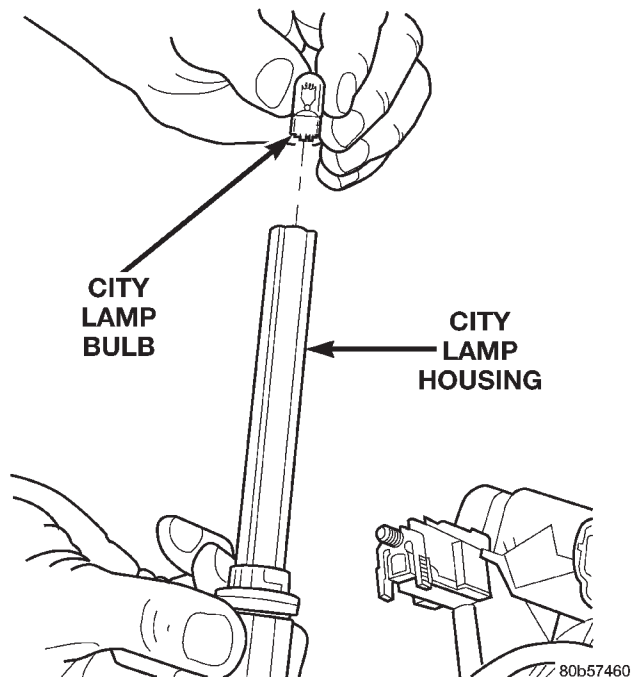


**Fig. 6 City Lamp Bulb**

### Installation

(1) Push the new city lamp bulb into the city lamp housing.

(2) Install the city lamp socket housing into the headlamp assembly.

(3) Install the headlamp assembly.

## REMOVAL AND INSTALLATION (Continued)

## FRONT FOG LAMP BULB

*Removal*

(1) Remove the front fog lamp attaching screws (Fig. 7).

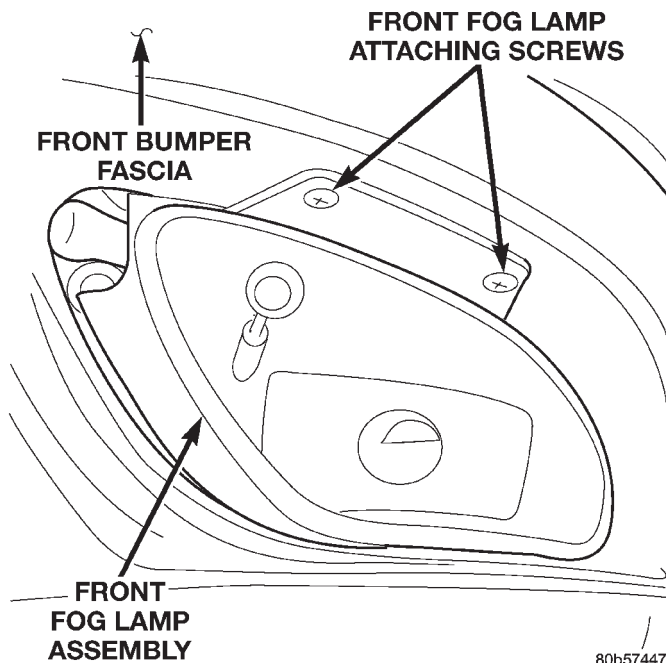


**Fig. 7 Front Fog Lamp**

(2) Pull the fog lamp assembly from the bumper fascia and disconnect the electrical connector (Fig. 8).

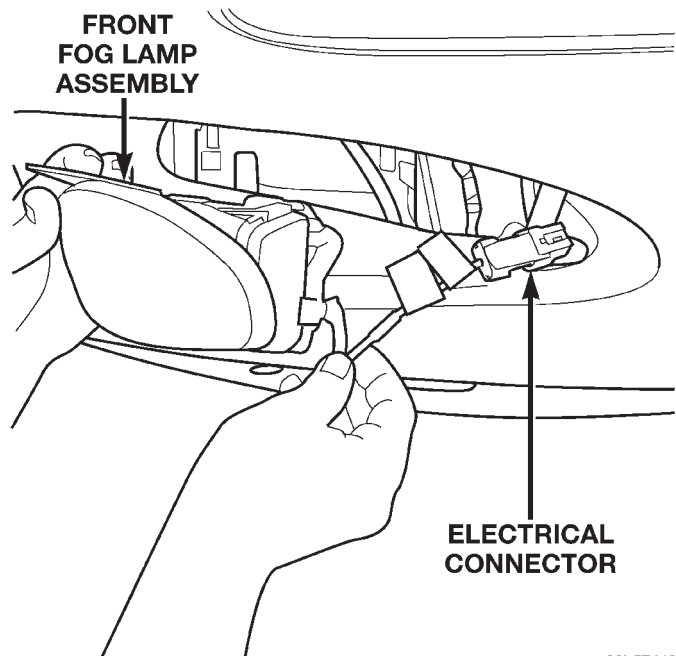


**Fig. 8 Front Fog Lamp Electrical Connector**

(3) Remove the fog lamp assembly rear cover from the fog lamp assembly (Fig. 9).

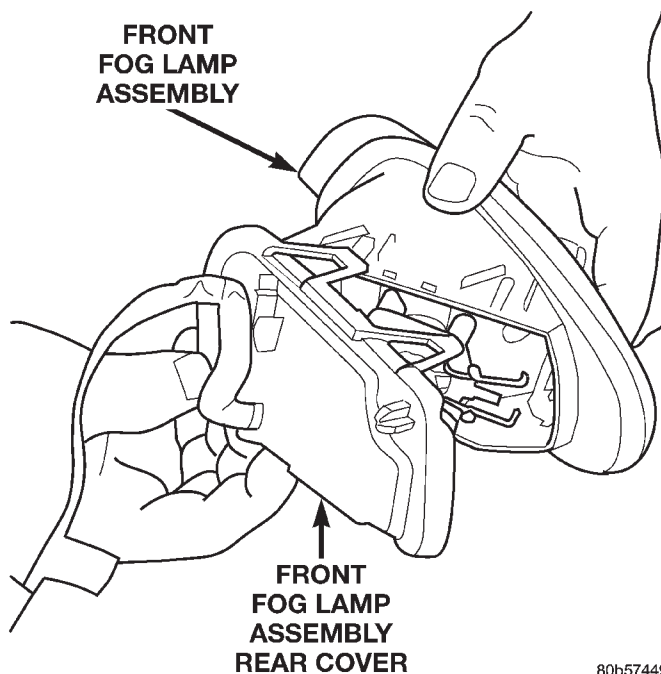


**Fig. 9 Front Fog Lamp Assembly Rear Cover**

(4) Disengage the fog lamp bulb retaining wire and remove the bulb from the fog lamp assembly (Fig. 10).

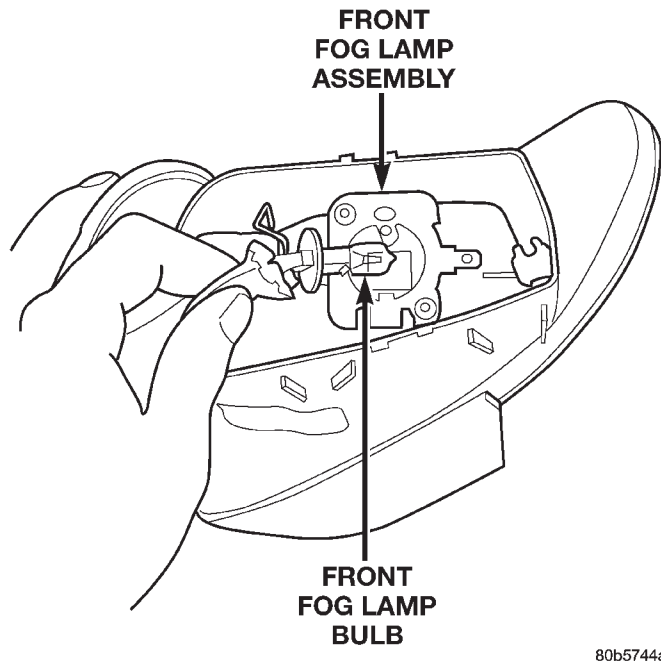


**Fig. 10 Front Fog Lamp Bulb**

*Installation*

- (1) Install bulb into the fog lamp assembly and reattach the retaining wire.
- (2) Cover exposed terminals with protective sleeve.
- (3) Install the rear cover on the fog lamp assembly.

## REMOVAL AND INSTALLATION (Continued)

(4) Connect the electrical connector and place the fog lamp assembly into the front bumper fascia.

(5) Install the fog lamp assembly attaching screws.

### SIDE REPEATER LAMP BULB

#### Removal

(1) Insert a small flat screwdriver between the lamp and the body panel. Disengage the lamp retaining tabs (Fig. 11) (Fig. 12).

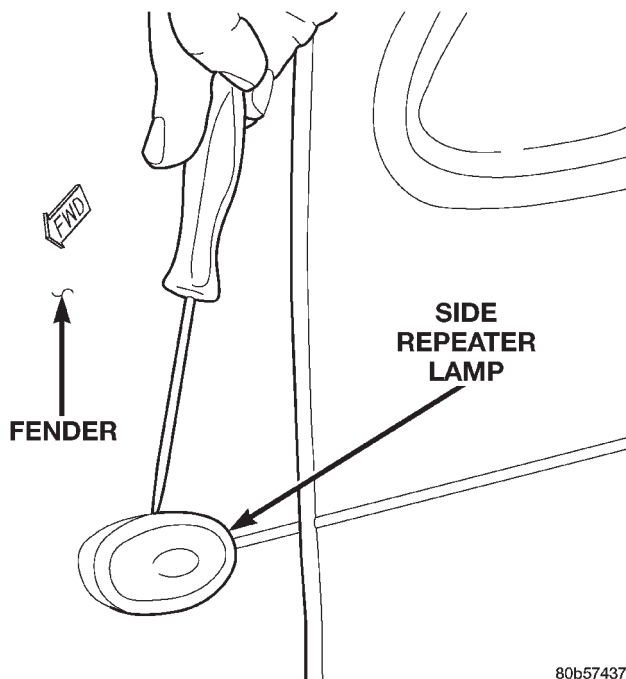


**Fig. 11 Side Repeater Lamp**

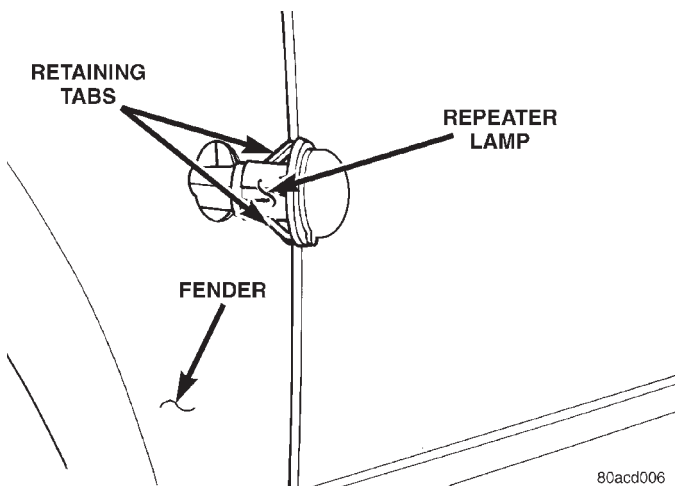


**Fig. 12 Side Repeater Lamp Retaining Tabs**

- (2) Pull lamp from fender.
- (3) Twist the bulb socket 1/4 turn and separate the bulb socket from the lamp (Fig. 13).
- (4) Pull the bulb from the socket.

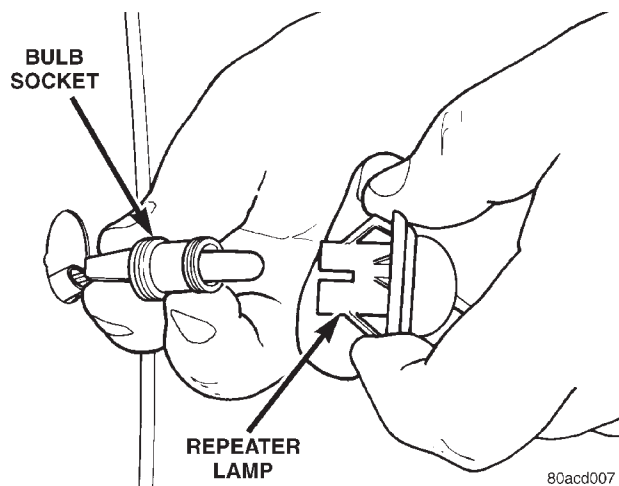


**Fig. 13 Side Repeater Lamp Socket**

#### Installation

- (1) Insert the bulb into the socket.
- (2) Position the socket in the lamp and twist the socket 1/4 turn.
- (3) Position the lamp into the body opening and push into place.

### TAIL, STOP, BACKUP, FOG LAMP AND TURN SIGNAL BULBS

#### Removal

- (1) Release the deck lid latch and open the deck lid.
- (2) Remove the tail lamp assembly attaching nuts (Fig. 14).

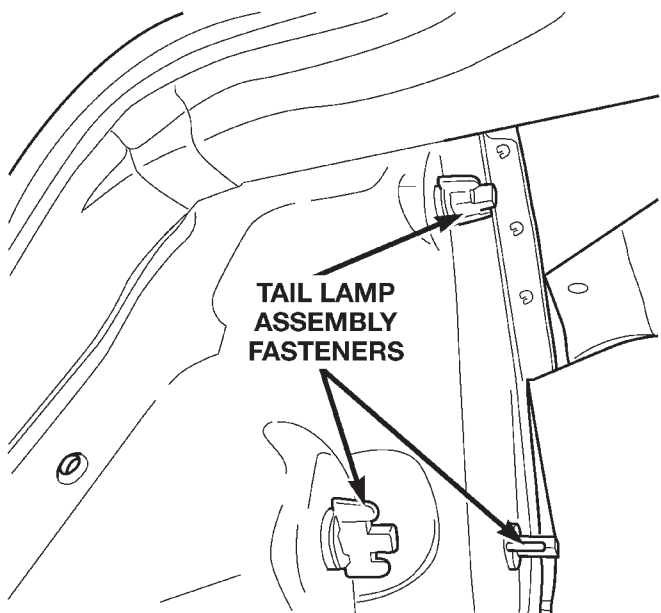
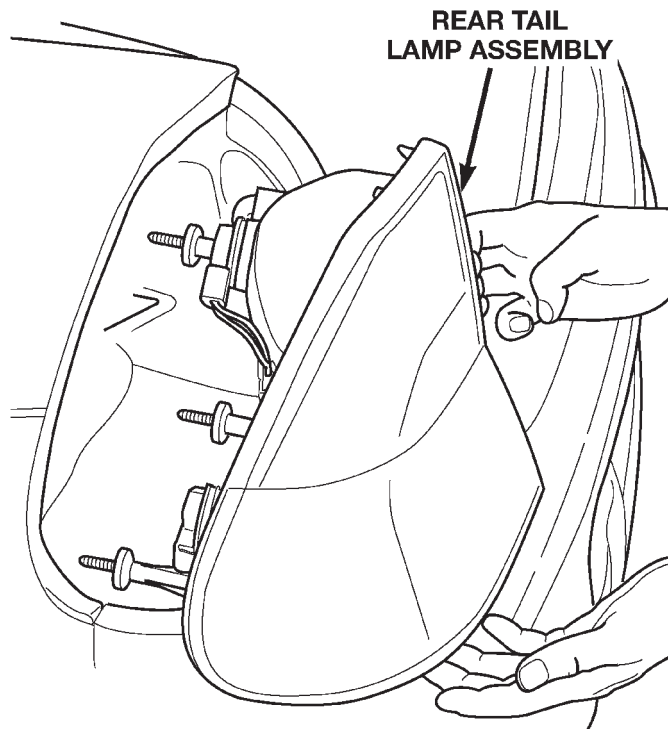


**Fig. 14 Tail Lamp Assembly Fasteners**

## REMOVAL AND INSTALLATION (Continued)

(3) Remove the tail lamp assembly from the vehicle (Fig. 15).



80b4fabc

**Fig. 15 Tail Lamp Assembly**

(4) Disconnect the tail lamp assembly electrical connector.

(5) Twist and remove the bulb socket from the tail lamp assembly (Fig. 16) (Fig. 17).

(6) Pull the bulb from the socket.

#### Installation

(1) Push the bulb into the socket.

(2) Install the socket into the tail lamp assembly.

(3) Connect the tail lamp assembly electrical connector.

(4) Install the tail lamp assembly into the vehicle.

(5) Install the tail lamp assembly attaching nuts.

### REAR LICENSE PLATE LAMP BULB

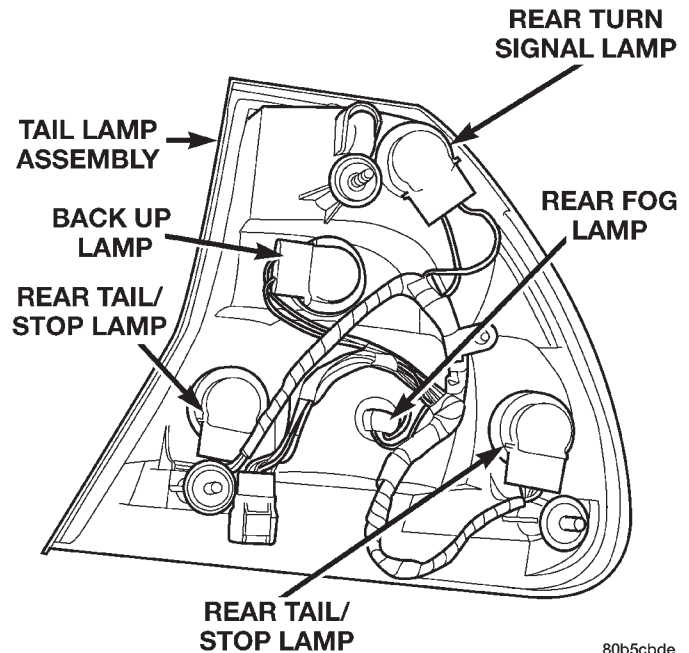
#### Removal

(1) Remove the screws attaching the rear license plate lamp to the rear bumper fascia.

(2) Remove the license plate lamp from the rear bumper fascia (Fig. 10).

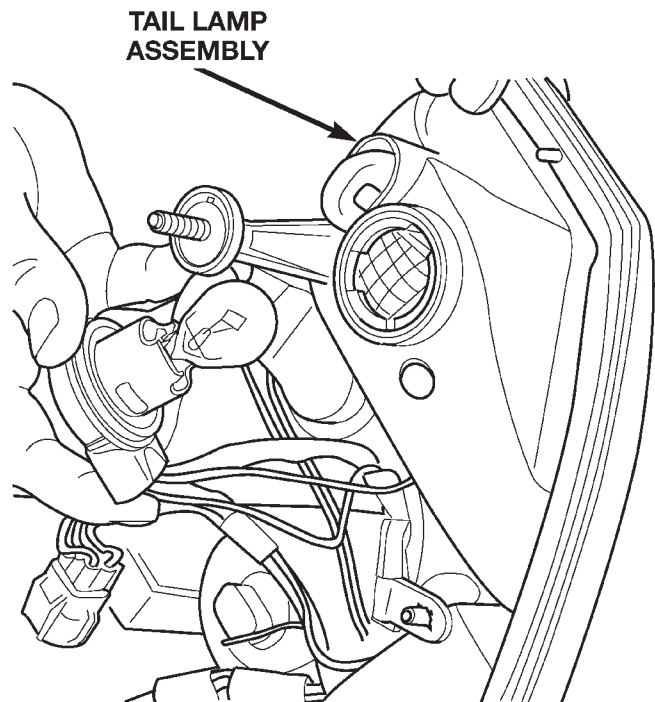
(3) Twist and remove the socket from the lamp (Fig. 11).

(4) Pull the bulb from the socket.



80b5cbde

**Fig. 16 Tail Lamp Bulbs**



80b4fabf

**Fig. 17 Tail Lamp Bulb Socket**

#### Installation

(1) Push the bulb into the socket.

(2) Install the socket into the lamp.

## REMOVAL AND INSTALLATION (Continued)

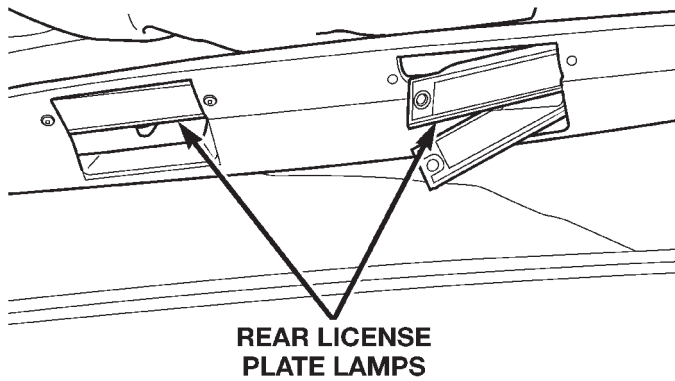


Fig. 18 Rear License Plate Lamp

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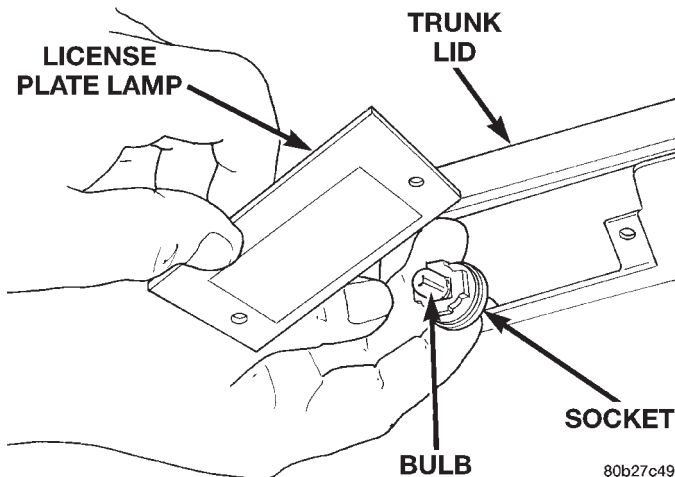


Fig. 19 Rear License Plate Lamp Socket

80b27c49

(3) Place the license plate lamp in position in the rear bumper fascia.

(4) Install the screws attaching the rear license plate lamp to the rear bumper fascia.

## CHMSL LAMP BULB

## Removal

- (1) Release the deck lid latch and open deck lid.
- (2) Remove the trunk lid cover.
- (3) Grasp the chmsl lamp socket and rotate counterclockwise. Separate the bulb lamp socket from the lamp assembly (Fig. 20).
- (4) Remove the bulb from the socket.

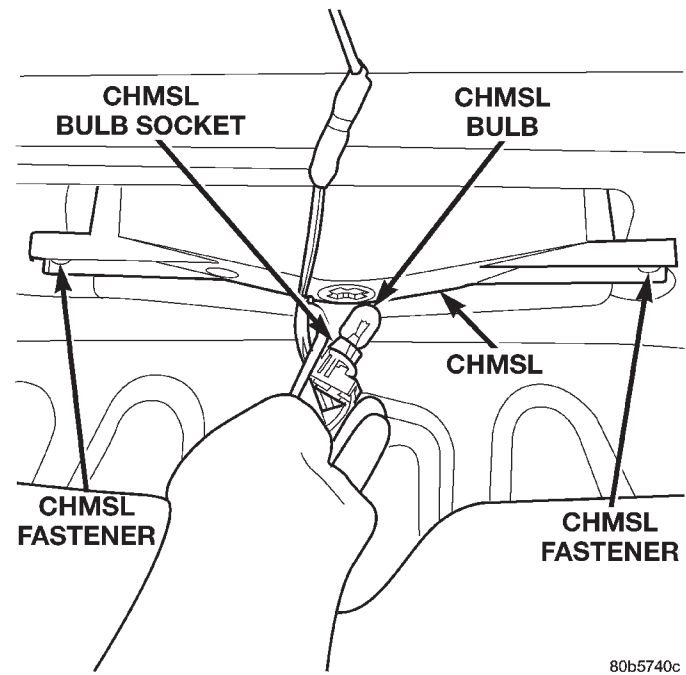


Fig. 20 CHMSL

80b5740c

## Installation

- (1) Install the bulb into the socket.
- (2) Install the socket into the lamp assembly.
- (3) Install the deck lid cover.

## LAMP SERVICE

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## GENERAL INFORMATION

## HEADLAMP SWITCH

Service procedures for the headlamp switch can be found in Group 8E, Instrument Panel and Gauges. More information can be found in Group 8W, Wiring Diagrams.

## HEADLAMP DIMMER SWITCH

The headlamp dimmer switch is incorporated into the multi-function (turn signal) switch. Proper procedures can be found in Group 8J, Turn Signal and Flashers. More information can be found in Group 8W, Wiring Diagrams.

## REMOVAL AND INSTALLATION

## HEADLAMP ASSEMBLY

*Removal*

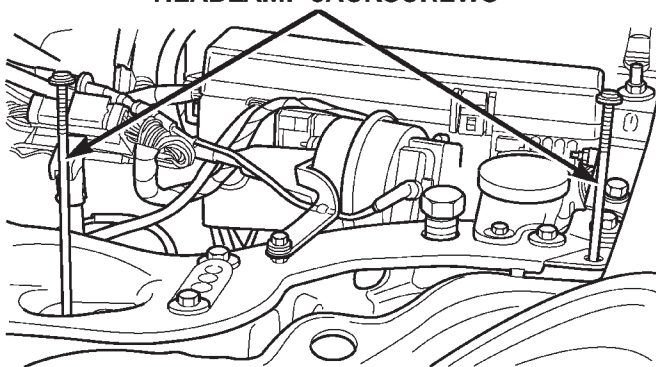
- (1) Hoist Vehicle.
- (2) Partially remove the front fascia to gain access to the headlamp assembly. Refer to Group 13, Frame and Bumpers for Removal and Installation procedures.
- (3) Remove the jackscrews attaching the headlamp assembly to the crossmember (Fig. 1).
- (4) Pull the headlamp assembly out and disconnect the electrical connectors (Fig. 2).

*Installation*

**CAUTION:** Do not touch the bulb glass with fingers or other oily surfaces. Reduced bulb life will result.

- (1) Reconnect the headlamp assembly electrical connectors and slide the headlamp assembly back into the crossmember.
- (2) Install the headlamp jackscrews (Fig. 1).

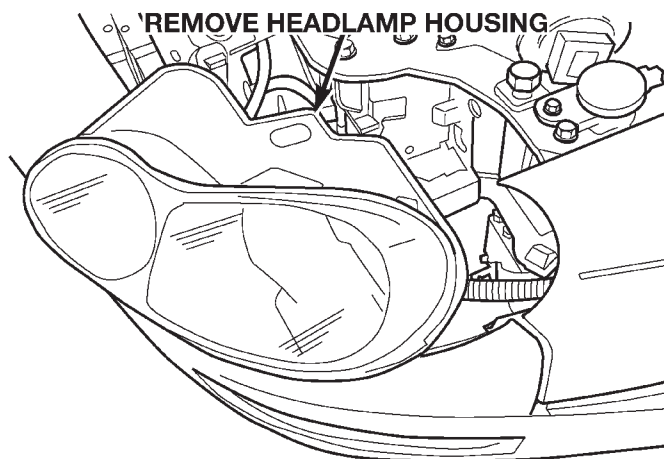
## HEADLAMP JACKSCREWS



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Fig. 1 Headlamp Jackscrews

## REMOVE HEADLAMP HOUSING



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Fig. 2 Headlamp Assembly Removal

- (3) Reinstall the front fascia. Refer to Group 13, Frame and Bumpers for Removal and Installation procedures.
- (4) Lower vehicle from hoist.

## REMOVAL AND INSTALLATION (Continued)

## HEADLAMP LEVELING MOTOR

**NOTE:** If the headlamp leveling motor becomes inoperative the headlamp assembly must be replaced. The headlamp leveling motor is not serviced separately.

## FRONT FOG LAMP

*Removal*

- (1) Remove the front fog lamp attaching screws (Fig. 3).

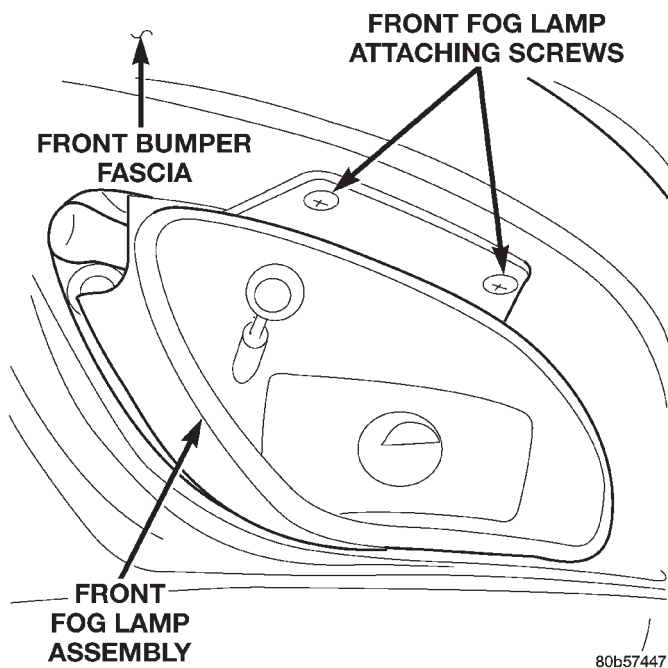


**Fig. 3 Front Fog Lamp**

- (2) Pull the fog lamp assembly from the bumper fascia and disconnect the electrical connector (Fig. 4).

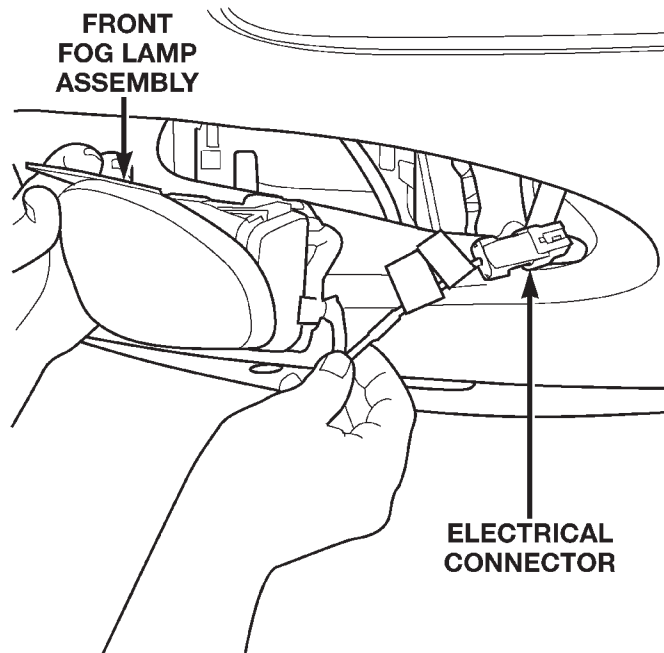
*Installation*

- (1) Connect the electrical connector and place the fog lamp assembly into the front bumper fascia.
- (2) Install the fog lamp assembly attaching screws.

## SIDE REPEATER LAMP

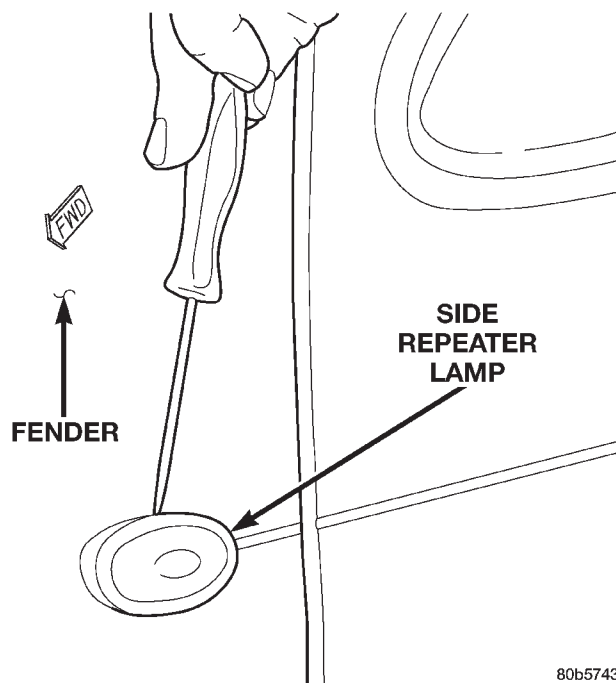
*Removal*

- (1) Insert a small flat screwdriver between the lamp and the body panel. Disengage the lamp retaining tabs (Fig. 6) (Fig. 5).
- (2) Pull lamp from fender.
- (3) Twist bulb socket 1/4 turn and separate the bulb socket from the lamp (Fig. 7).



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**Fig. 4 Front Fog Lamp Electrical Connector**



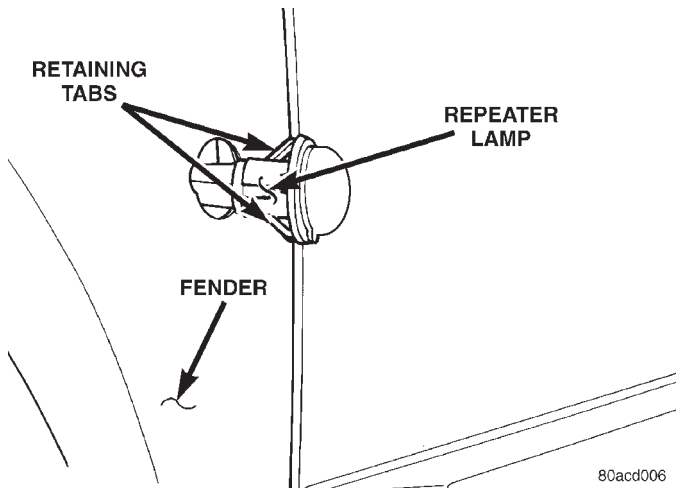
80b57437

**Fig. 5 Side Repeater Lamp**

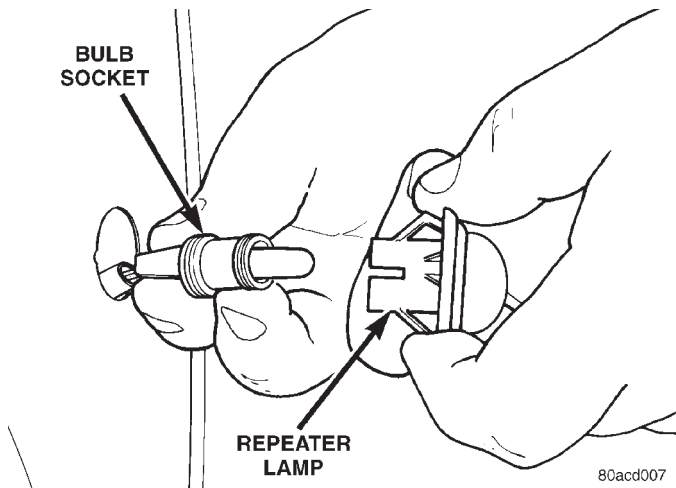
*Installation*

- (1) Position the socket in the lamp and twist the socket 1/4 turn.
- (2) Position the lamp into the body opening and push into place.

## REMOVAL AND INSTALLATION (Continued)



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**Fig. 6 Side Repeater Lamp Retaining Tabs**

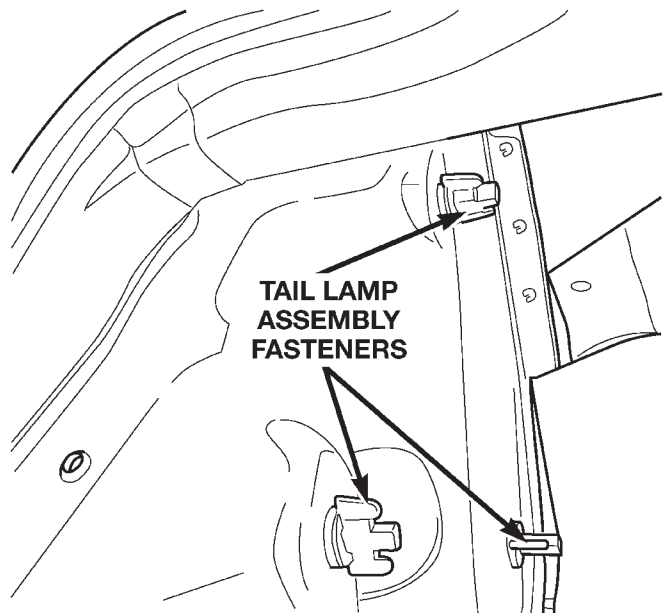
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**Fig. 7 Side Repeater Lamp Socket****TAIL LAMP ASSEMBLY***Removal*

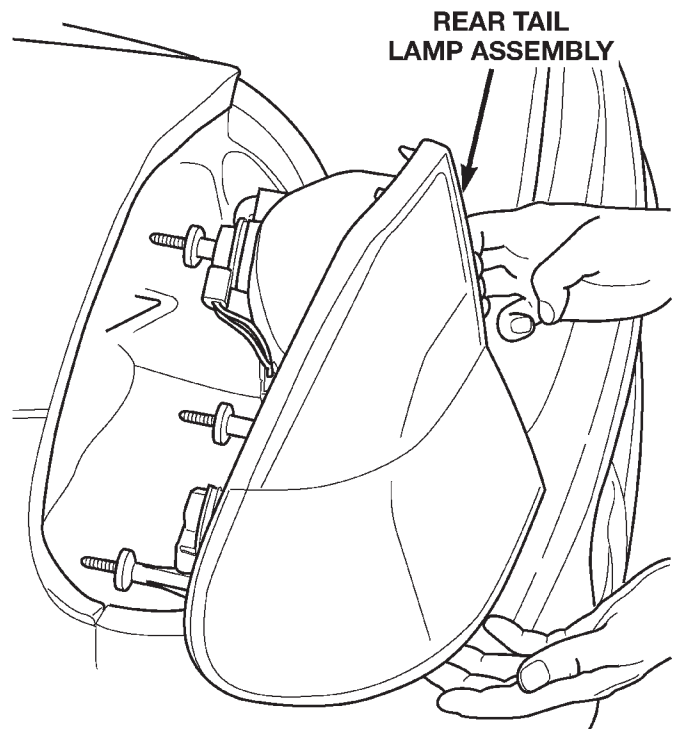
- (1) Release the deck lid latch and open the deck lid.
- (2) Remove the tail lamp assembly attaching nuts (Fig. 8).
- (3) Remove the tail lamp assembly from the vehicle (Fig. 9).
- (4) Disconnect the tail lamp assembly electrical connector.

*Installation*

- (1) Connect the tail lamp assembly electrical connector.
- (2) Install the tail lamp assembly into the vehicle.
- (3) Install the tail lamp assembly attaching nuts.



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**Fig. 8 Tail Lamp Assembly Fasteners**

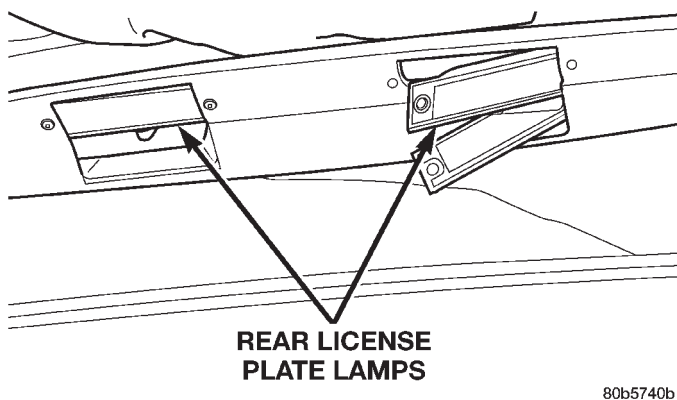
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**Fig. 9 Tail Lamp Assembly**

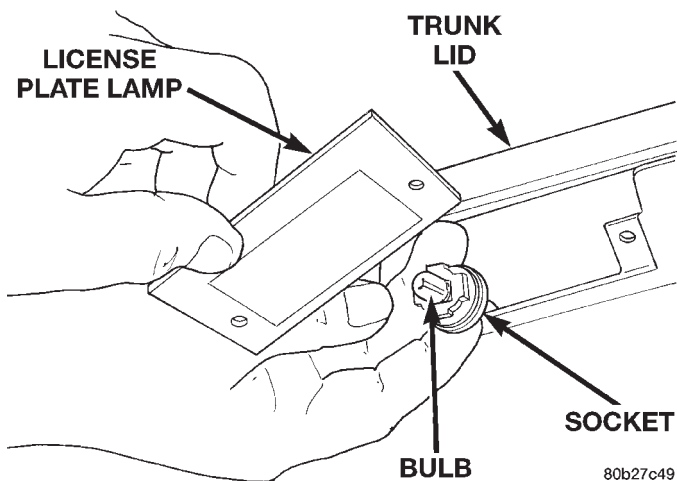
## REMOVAL AND INSTALLATION (Continued)

**REAR LICENSE PLATE LAMP***Removal*

- (1) Remove the screws attaching the rear license plate lamp to the rear bumper fascia.
- (2) Remove the license plate lamp from the rear bumper fascia (Fig. 10).

**Fig. 10 Rear License Plate Lamp**

- (3) Twist and remove the socket from the lamp (Fig. 11).

**Fig. 11 Rear License Plate Lamp Socket***Installation*

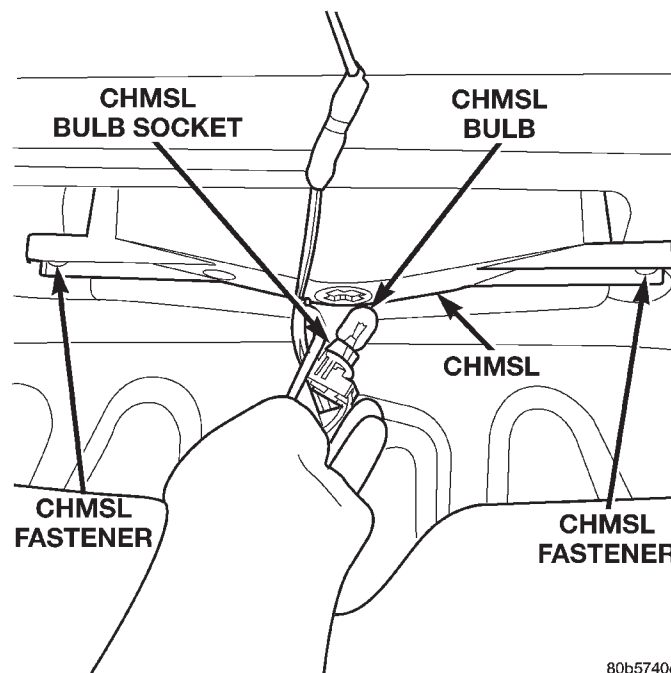
- (1) Install the socket into the lamp.

- (2) Place the license plate lamp in position in the rear bumper fascia.

- (3) Install the screws attaching the rear license plate lamp to the rear bumper fascia.

**CHMSL LAMP***Removal*

- (1) Release the deck lid latch and open deck lid.
- (2) Remove the deck lid cover.
- (3) Grasp the chmsl lamp socket and rotate counterclockwise. Separate the bulb lamp socket from the lamp assembly (Fig. 12).

**Fig. 12 CHMSL Lamp Assembly**

- (4) Remove the chmsl lamp assembly fasteners (Fig. 12).

- (5) Remove the chmsl lamp assembly from the deck lid.

*Installation*

- (1) Install the chmsl lamp assembly into the deck lid.
- (2) Install the chmsl lamp assembly fasteners.
- (3) Install the socket into the lamp assembly.
- (4) Install the deck lid cover.

## BULB APPLICATION

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## GENERAL INFORMATION

## INTRODUCTION

The following Bulb Application Tables list the lamp title on the left side of the column and trade number or part number on the right.

**CAUTION:** Do not use bulbs that have a higher candle power than the bulb listed in the Bulb Application Table. Damage to lamp can result.

Do not touch halogen bulbs with fingers or other possibly oily surfaces. Bulb life will be reduced.

If a halogen bulb is contaminated with oil, clean bulb with denatured alcohol or ammonia based solvent.

## CLEANING AND INSPECTION

## HEADLAMP CLEANING

This vehicle is equipped with plastic headlights that are lighter and less susceptible to stone breakage than glass headlights.

This plastic is not as scratch resistant as glass and therefore a different lens cleaning procedures must be followed.

To minimize the possibility of scratching the lenses and reducing light output, avoid wiping with a dry cloth. To remove road dirt, wash with a mild soap solution followed by rinsing with water.

Do not use abrasive cleaning components, solvents, steel wool or other aggressive material to clean the lenses.

## SPECIFICATIONS

## EXTERIOR LAMP BULBS

| LAMP                          | BULB       |
|-------------------------------|------------|
| Back-up . . . . .             | P27/7W     |
| CHMSL . . . . .               | W16W       |
| Front Fog Lamp . . . . .      | H3 55W     |
| Headlamp(Low Beam) . . . . .  | 9006 (HB4) |
| Headlamp(High Beam) . . . . . | 9005 (HB3) |

## LAMP

## BULB

|                             |        |
|-----------------------------|--------|
| License Plate . . . . .     | W5W    |
| Front Turn Signal . . . . . | P27/7W |
| Citylight . . . . .         | W5W    |
| Side Repeater . . . . .     | T4W    |
| Tail, Stop/Fog . . . . .    | P27/7W |
| Rear Turn Signal . . . . .  | P27/7W |
| Rear Tail Lamp . . . . .    | W5W    |

## INTERIOR LAMP BULBS

## LAMP

## BULB

|                                       |         |
|---------------------------------------|---------|
| A/C Heater Control . . . . .          | 330     |
| Airbag . . . . .                      | LED     |
| Analog Clock . . . . .                | A9625   |
| Anti-Lock Brake . . . . .             | LED     |
| Ash Receiver . . . . .                | 161     |
| Brake Warning . . . . .               | LED     |
| Charging System . . . . .             | LED     |
| Check Engine . . . . .                | LED     |
| Cruise . . . . .                      | 74      |
| Door Courtesy . . . . .               | 212-2   |
| Door Open . . . . .                   | LED     |
| Engine Oil Pressure . . . . .         | LED     |
| Engine Temperature . . . . .          | LED     |
| Glove Compartment . . . . .           | 194     |
| Headlamp Switch . . . . .             | 4798351 |
| High Beam . . . . .                   | 74      |
| Instrument Cluster . . . . .          | PC194   |
| Low Fuel . . . . .                    | LED     |
| Low Washer Fluid . . . . .            | LED     |
| Overhead Console . . . . .            | 192     |
| Overhead Information Center . . . . . | 4437661 |
| Radio . . . . .                       | ASC     |
| Reading Lamp—Front or Rear . . . . .  | 192     |
| Seat Belt . . . . .                   | LED     |
| Trunk Open . . . . .                  | LED     |
| Turn Signal . . . . .                 | PC194   |
| Trac ON . . . . .                     | 74      |
| Trac OFF . . . . .                    | LED     |
| Trunk . . . . .                       | 906     |
| Visor Vanity . . . . .                | 6501966 |