LAMPS

CONTENTS

	page		page
BULB APPLICATION	**8**	**LAMP DIAGNOSIS**	**1**
LAMP BULB SERVICE	**2**	**LAMP SERVICE**	**5**

LAMP DIAGNOSIS

INDEX

page

GENERAL INFORMATION
HEADLAMP LEVELING MOTOR 1

GENERAL INFORMATION

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 and leveling cable found mounted to the upper radiator crossmember behind the headlamp module.

LAMP BULB SERVICE

INDEX

page

REMOVAL AND INSTALLATION
CITYLIGHT LAMP BULB 3
FOG LAMP BULB 3
FRONT TURN SIGNAL LAMP BULB 3
HEADLAMP BULB 2
SIDE REPEATER LAMP BULB 4

REMOVAL AND INSTALLATION

HEADLAMP BULB

REMOVAL

(1) Release hood latch and open hood.
(2) Remove headlamp module from vehicle.
(3) Remove rubber seal boot (Fig. 1).
(4) Disengage retaining ring from headlamp (Fig. 2).
(5) Pull headlamp bulb from back of headlamp (Fig. 3).

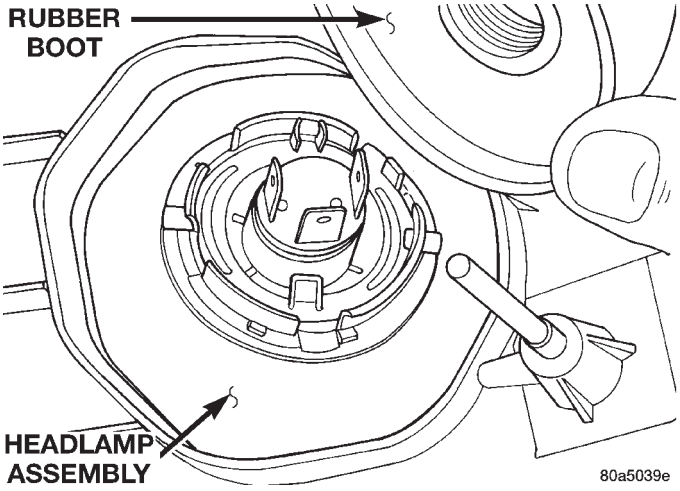

Fig. 1 Rubber Boot Seal

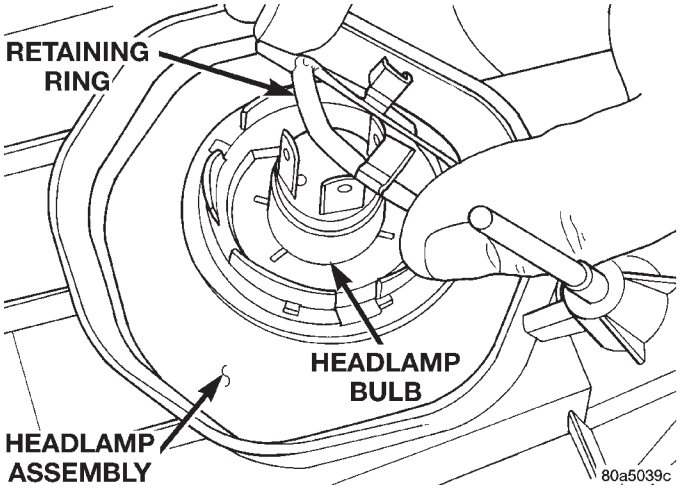

Fig. 2 Headlamp Bulb Retaining Ring

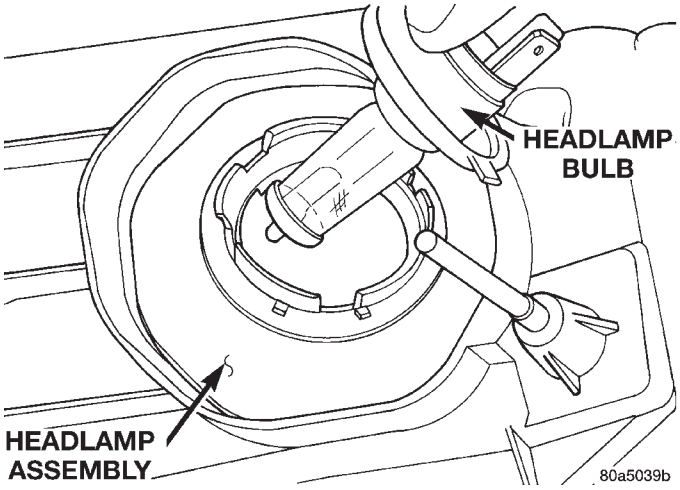

Fig. 3 Headlamp Bulb

REMOVAL AND INSTALLATION (Continued)

INSTALLATION

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

(1) Insert headlamp bulb to headlamp.
(2) Install retaining ring to headlamp.
(3) Install rubber seal boot.
(4) Engage wire connector to headlamp bulb base.
(5) Install headlamp module into vehicle
(6) Verify headlamp alignment.

FRONT TURN SIGNAL LAMP BULB

REMOVAL

(1) Remove front turn signal lamp from vehicle.
(2) Rotate front turn signal lamp socket one quarter turn counter-clockwise.
(3) Pull socket from back of lamp.
(4) Pull bulb from socket (Fig. 4).

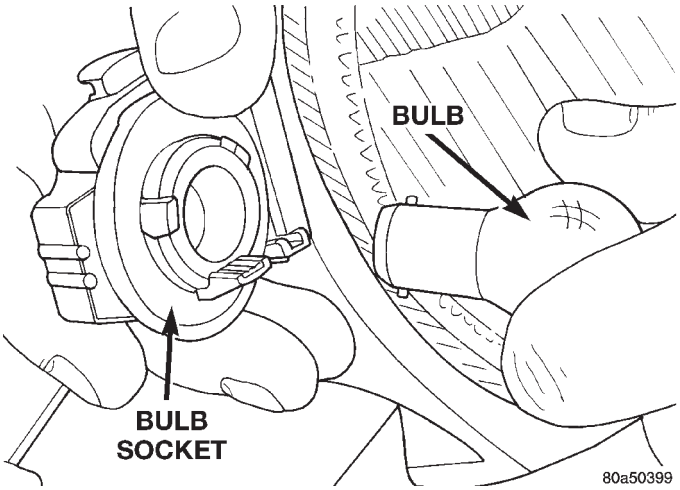

Fig. 4 Front Turn Signal Lamp Bulb

INSTALLATION

(1) Align key on bulb base to groove in socket and insert bulb into socket.
(2) Insert socket into back of headlamp.
(3) Rotate front turn signal socket clockwise one quarter turn.
(4) Install front turn signal lamp onto vehicle.
(5) Verify lamp operation.

CITYLIGHT LAMP BULB

REMOVAL

(1) Pull citylight lamp socket from rubber bushing in headlamp housing (Fig. 5).
(2) Rotate and pull bulb from socket (Fig. 6).

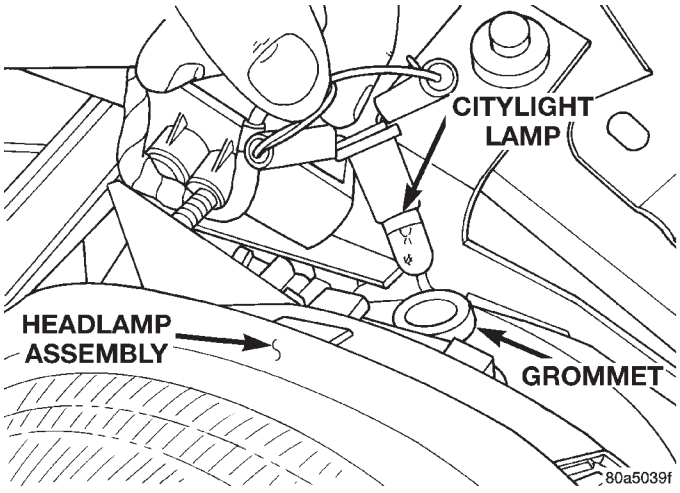

Fig. 5 Citylight Lamp Socket

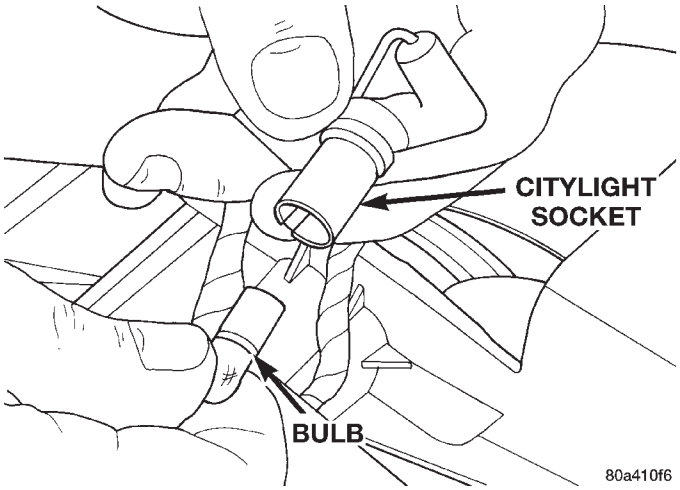

Fig. 6 Citylight Lamp Bulb

INSTALLATION

(1) Position citylight lamp bulb to lamp socket.
(2) Push and twist bulb into socket.
(3) Push citylight lamp into bushing in headlamp housing.

FOG LAMP BULB

REMOVAL

(1) Remove fog lamp assembly from fascia.
(2) Disengage fog lamp housing from bracket assembly.
(3) Compress Wire Bulb Retainer (Fig. 7) on fog lamp housing and pull away from lock tabs.

NOTE: Do not pull bulb from base.

REMOVAL AND INSTALLATION (Continued)

(4) Disconnect Bulb Power and Ground Leads from harness and bulb base. (Fig. 8).

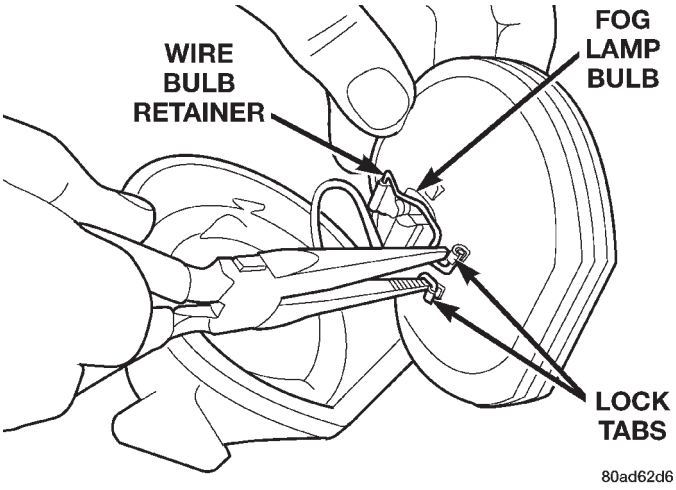

Fig. 7 Wire Bulb Retainer

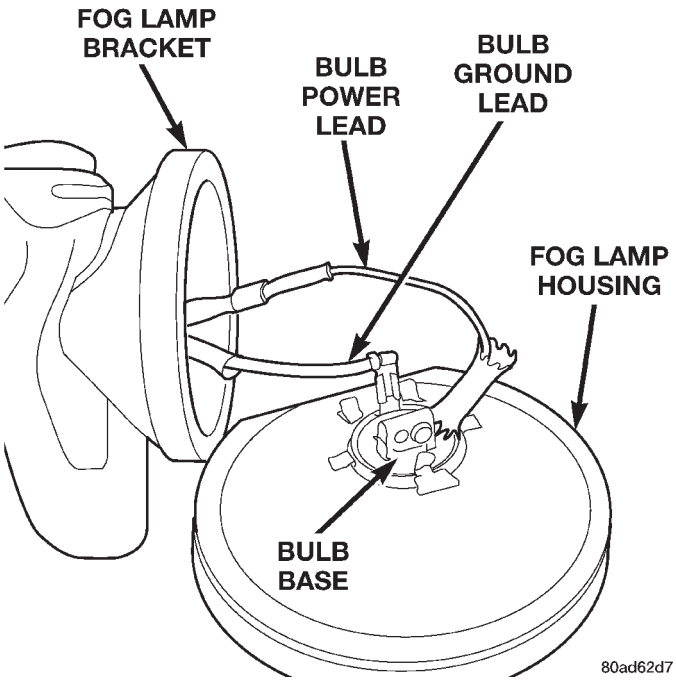

Fig. 8 Bulb Power and Ground Leads

INSTALLATION

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

(1) Align locator tabs and insert new bulb into fog lamp housing.
(2) Connect Bulb Ground Lead to bulb base.
(3) Connect Bulb Power Lead to Harness
(4) Compress Wire Bulb Retainer and engage into lock tabs on fog lamp housing
(5) Install Fog Lamp Housing into Fog Lamp Bracket.
(6) Install Fog Lamp Assembly into fascia.

SIDE REPEATER LAMP BULB

REMOVAL

(1) Push lamp rearward.
(2) While pushing lamp, pry forward edge of lamp away from car
(3) Pull lamp from hole
(4) Pull rubber boot away from lamp housing.
(5) Rotate and pull bulb from socket

INSTALLATION

(1) Align side repeater lamp bulb to socket
(2) Push and twist bulb into socket.
(3) Push rubber boot over lamp housing.
(4) Position side repeater lamp assembly to hole in fender.

NOTE: The metal clip should be opposite of notch in fender hole.

(5) Compress metal clip by pushing lamp rearward
(6) While pushing lamp assembly rearward, push lamp into fender hole.
(7) Ensure that lamp is firmly attatched to body.

LAMP SERVICE

INDEX

page

GENERAL INFORMATION
HEADLAMP DIMMER SWITCH 5
HEADLAMP SWITCH 5

REMOVAL AND INSTALLATION
FOG LAMP 6
HEADLAMP LEVELING MOTOR 6
HEADLAMP MODULE 5
SIDE REPEATER LAMP 7

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 MODULE

REMOVAL

(1) Release hood latch and open hood.
(2) Remove headlamp horizontal aim cable from retainer clip on radiator upper crossmember.
(3) Disengage wire connector from leveling motor.
(4) Remove bolts holding headlamp leveling motor to the upper radiator crossmember.
(5) Remove plastic locking cap holding vertical leveling cable into leveling motor arm.
(6) Separate leveling cable from motor arm.
(7) Rotate leveling cable case one quarter turn counter-clockwise and separate cable from motor bracket.
(8) Separate leveling motor and bracket from vehicle.
(9) From between front fascia and headlamp module, remove bolt holding outboard end of module to fender.
(10) Remove bolts holding inboard end of module to radiator closure panel.
(11) Remove bolts holding top of module to upper crossmember (Fig. 1).
(12) Disengage wire connector from headlamp and parking lamp sockets.
(13) Separate headlamp module from vehicle.

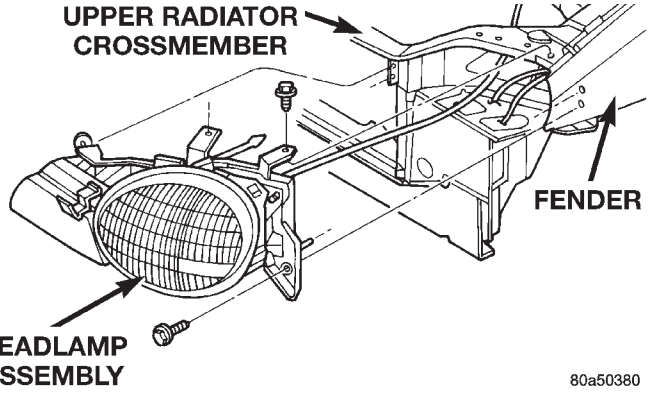

Fig. 1 Headlamp Module

INSTALLATION

(1) Position headlamp module to vehicle.
(2) Route headlamp leveling cables through opening in radiator closure panel.
(3) Engage wire connector to headlamp and parking lamp sockets.
(4) Install bolts to hold top of module to upper crossmember.
(5) Install bolts to hold inboard end of module to radiator closure panel.
(6) Install bolt to hold outboard end of module to fender.
(7) Position leveling motor and bracket to vehicle.
(8) Insert leveling cable through opening in leveling motor bracket.
(9) Rotate leveling cable case one quarter turn clockwise.
(10) Engage leveling cable to leveling motor arm.
(11) Install plastic locking cap to hold leveling cable into motor arm.
(12) Install bolts to hold leveling motor to upper radiator crossmember.
(13) Engage wire connector to leveling motor.
(14) Engage horizontal aim cable to retainer clip on upper radiator crossmember.
(15) Verify lamp operation.

REMOVAL AND INSTALLATION (Continued)

HEADLAMP LEVELING MOTOR

REMOVAL

(1) Disengage wire connector from headlamp leveling motor.

(2) Remove bolts holding headlamp leveling motor to upper radiator crossmember (Fig. 2).

(3) Remove plastic locking cap holding leveling cable into motor arm (Fig. 3).

(4) Remove leveling cable from leveling motor arm.

(5) Rotate leveling motor one quarter turn counterclockwise and disengage leveling motor from leveling motor bracket.

(6) Separate leveling motor from vehicle.

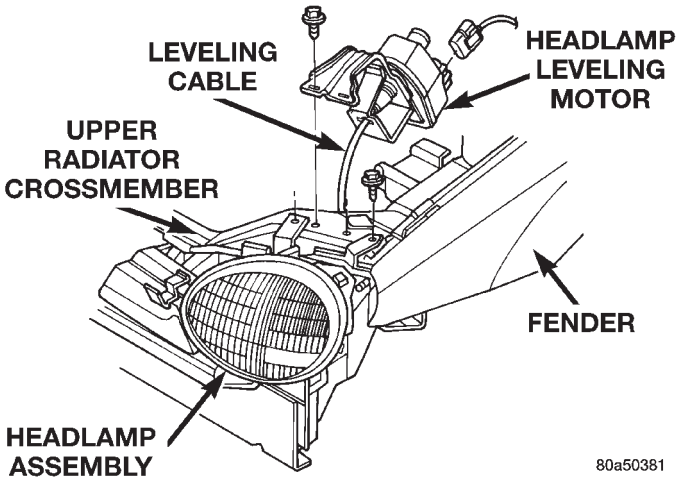

Fig. 2 Headlamp Leveling Motor

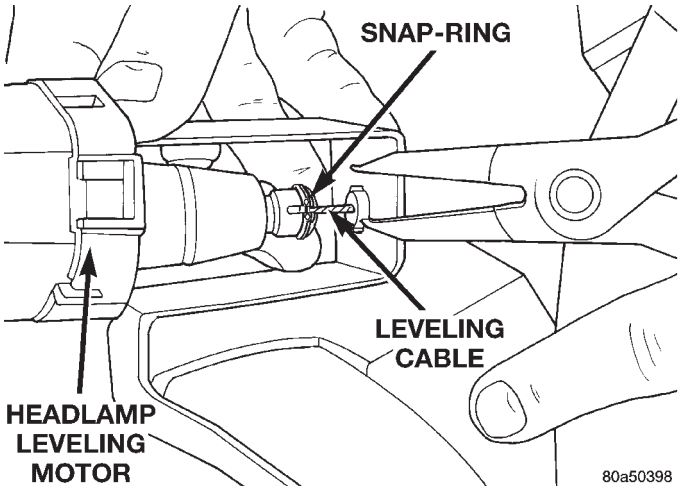

Fig. 3 Headlamp Leveling Cable From Leveling Motor

INSTALLATION

(1) Position headlamp leveling motor to vehicle.

(2) Insert leveling motor through hole in leveling motor bracket.

(3) Rotate leveling motor one quarter turn clockwise.

(4) Install leveling cable to leveling motor arm.

(5) Install plastic locking cap to hold leveling cable into motor arm.

(6) Install bolts to hold headlamp leveling motor to upper radiator crossmember.

(7) Engage wire connector to headlamp leveling motor.

FOG LAMP

REMOVAL

(1) Remove nut holding fog lamp to radiator crossmember (Fig. 4).

(2) Separate fog lamp from radiator crossmember.

(3) Pull fog lamp through opening in fascia.

(4) Disengage fog lamp wire connector from body wiring harness.

(5) Separate fog lamp from vehicle.

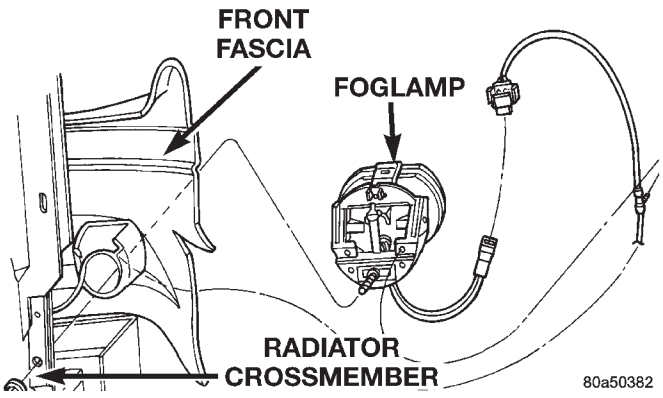

Fig. 4 Fog Lamp

INSTALLATION

(1) Position fog lamp to vehicle.

(2) Engage fog lamp wire connector to body wiring harness.

(3) Insert fog lamp through opening in fascia.

(4) Position fog lamp to radiator crossmember.

(5) Install nut to hold fog lamp to radiator crossmember.

REMOVAL AND INSTALLATION (Continued)

SIDE REPEATER LAMP

REMOVAL

(1) Push Repeater Lamp Assembly Rearward

(2) While pushing Repeater Lamp Assembly rearward, pry edge of lamp away from car.

(3) Pull Repeater Lamp Assembly from hole.

INSTALLATION

(1) Position Repeater Lamp Assembly in mounting hole.

NOTE: The metal clip on the Repeater Lamp Assembly should be opposite from notch in fender hole.

(2) Compress metal clip by pushing Repeater Lamp Assembly rearward.

(3) While pushing Repeater Lamp Assembly rearward, push lamp into fender hole.

(4) Ensure that Repeater Lamp Assembly is firmly attatched to body.

BULB APPLICATION

INDEX

page

GENERAL INFORMATION
INTRODUCTION 8

SPECIFICATIONS
EXTERIOR LAMPS 8
INTERIOR LAMPS 8

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.

SPECIFICATIONS

EXTERIOR LAMPS

LAMP	BULB
Back-up	P21W
Center High Mounted Stop	921
Front Fog Lamp	H-3
Headlamp	H-4
License Plate	W5W
Front Turn Signal	P21/5W
Tail/Stop	P21/5W
Rear Turn Signal	P21W
Rear Fog Lamp	P21W
Citylight	T4W
Side Repeater	T4W

INTERIOR LAMPS

LAMP	BULB
ABS	PC194
Airbag	PC194
Ash Tray	161
Brake Warning System Indicator	PC194
Cigar Lighter	203
Climate Controls	203
Console Gear Selector	161
Dome light	578
Glove Box	194
High Beam Indicator	PC194
Ignition Key	161
Instrument Cluster	PC194
Rear Cargo	912
Seat Belt Indicator	PC74
Service Engine Soon	PC194
Turn Signal Soon	PC194
Underhood	105
Visor Vanity	6501966
Volts Indicator	PC74