

# LAMPS

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## GENERAL INFORMATION

Each vehicle is equipped with lamps used for illuminating and indicating purposes. A circuit must have a good ground to be complete. Circuit ground occurs when the lamp socket makes contact with the metal body. On vehicles with plastic lamps, a wire between the socket and the body makes the grounds.

When changing lamp bulbs, check the socket for corrosion. If corrosion is present, clean contacts with a wire brush and coat the inside of the socket with Mopar® Multi-purpose Grease or equivalent.

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

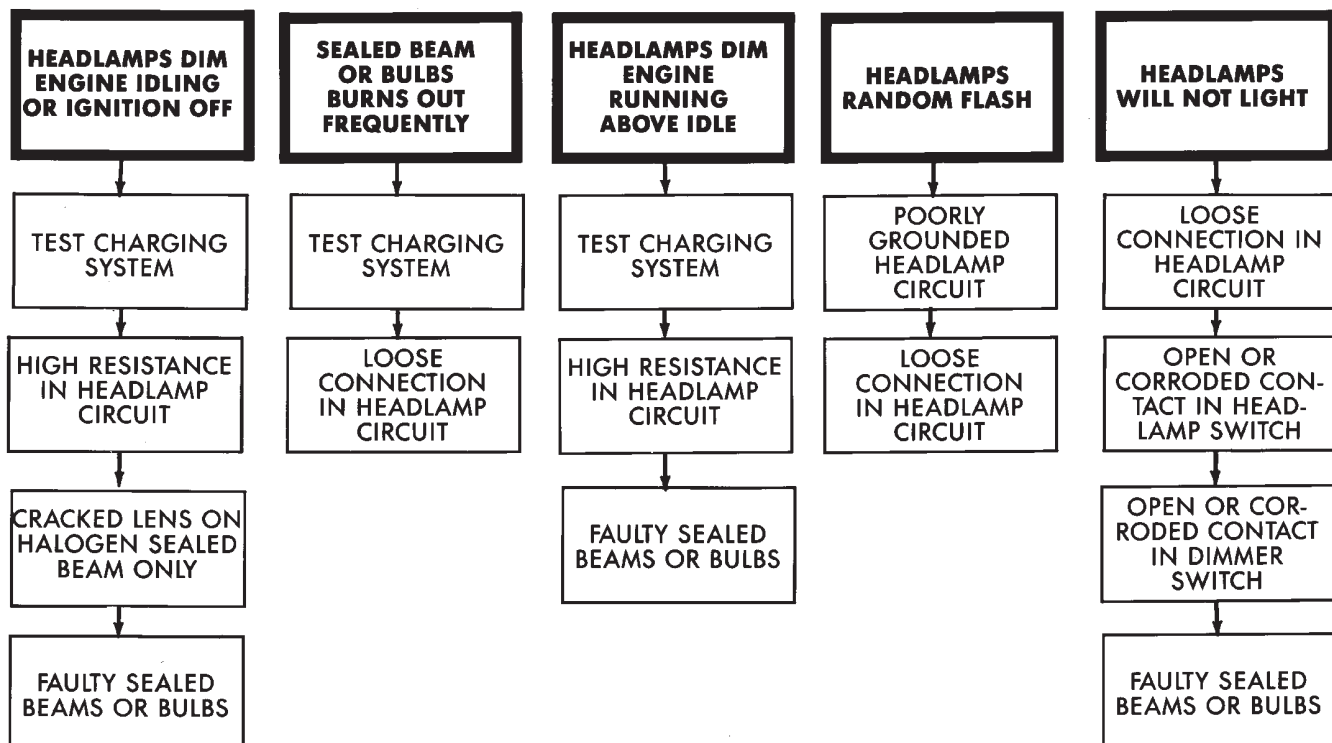
## BODY IDENTIFICATION

Throughout this Group, references are made to the vehicle family or body code. To decode the vehicle identification plates, refer to the Introduction Section at the front of this manual.

## DIAGNOSTIC PROCEDURES

Begin any electrical system failure diagnosis by testing all related fuses and circuit breakers in the fuse block and engine compartment. Also refer to the Wiring Diagrams Manual for component location and circuit information.

## HEADLAMP DIAGNOSIS



## EXTERIOR LAMP SWITCHES AND HEADLAMP ALIGNMENT

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**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 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.

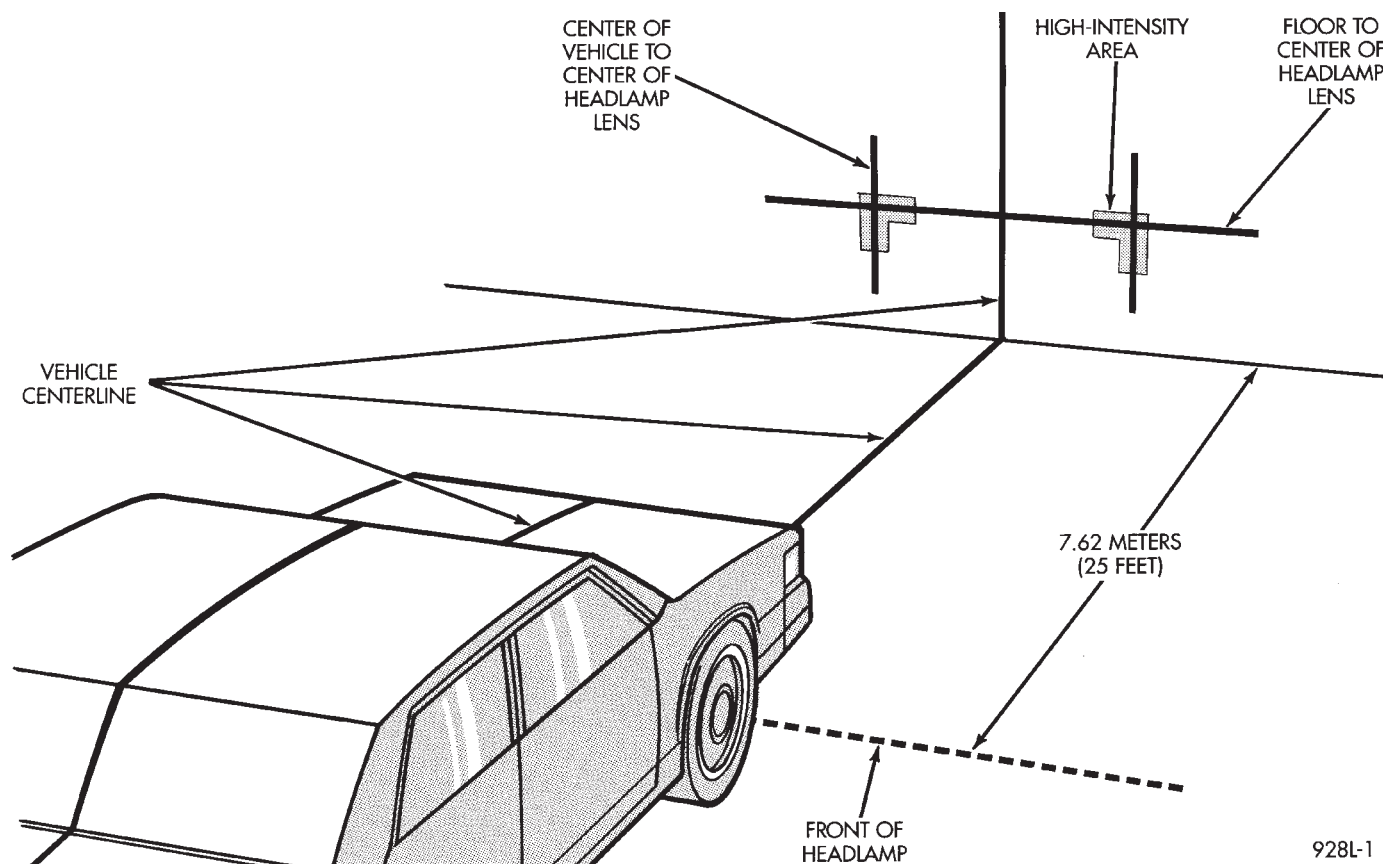
**HEADLAMP ALIGNMENT**

Headlamps can be aligned using the screen method provided in this section. Alignment Tool C4466-A or equivalent can also be used. Refer to instructions provided with the tool for proper procedures. **The**

**preferred headlamp alignment setting is 0 for the left/right adjustment and 0 for the up/down adjustment.**

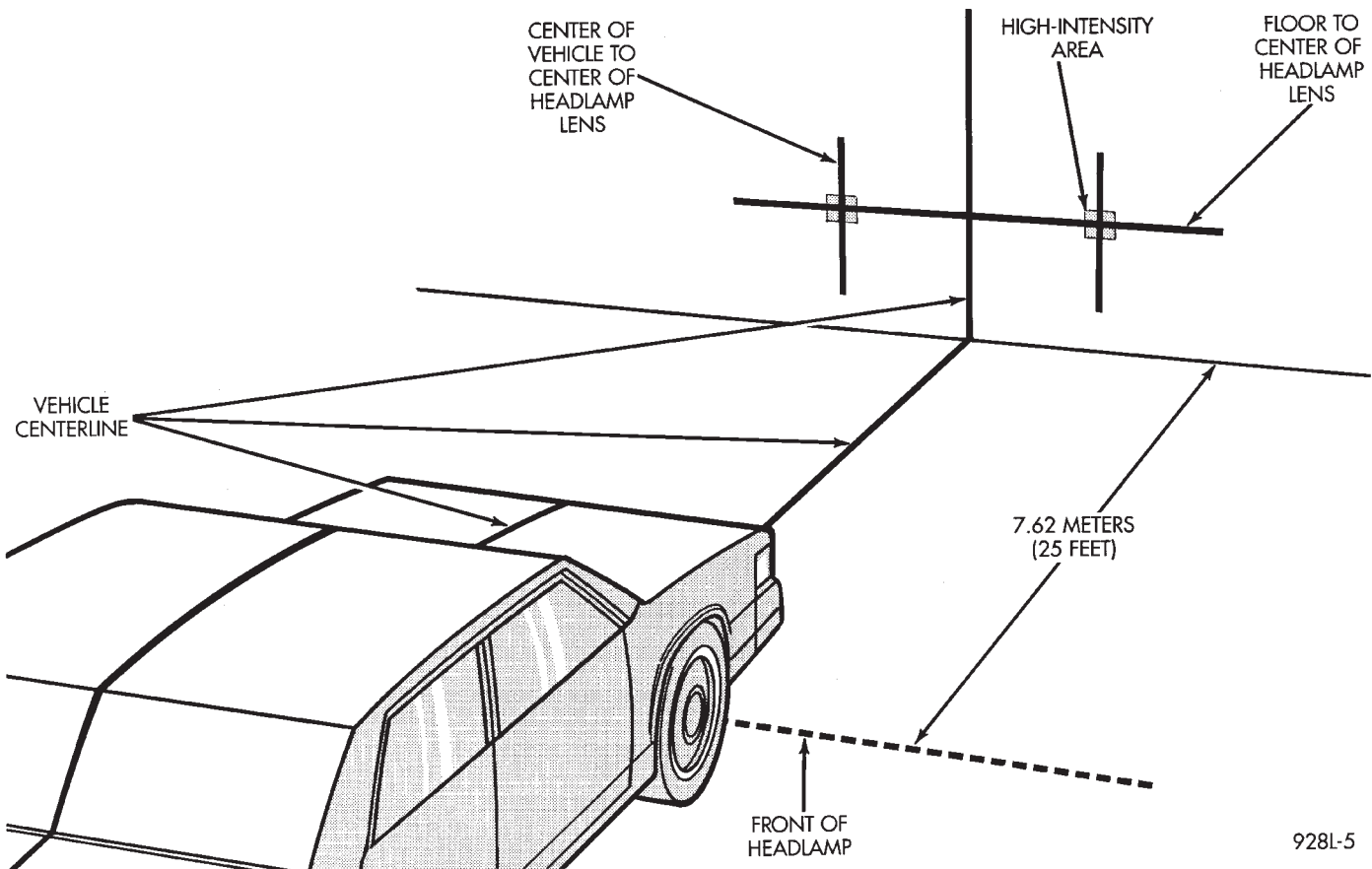
**HEADLAMP ALIGNMENT PREPARATION**

- (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 proper tire inflation.
- (4) Clean headlamp lenses.
- (5) Verify that luggage area is not heavily loaded.
- (6) Fuel tank should be FULL. Add 2.94 kg (6.5 lbs.) of weight over the fuel tank to each estimated gallon of missing fuel.



928L-1

**Fig. 1 Headlamp Alignment Screen Low Beam Pattern**



928L-5

**Fig. 2 Sealed Beam Alignment High Beam Pattern**

## HEADLAMP ADJUSTMENT USING ALIGNMENT SCREEN

### ALIGNMENT SCREEN PREPARATION (FIG. 1 AND 2)

(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 centerline of the vehicle. Sight along the centerline 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 headlamp lens to the floor. Transfer measurement to the alignment screen (with tape). Use this line for up/down adjustment reference.

(7) Measure distance from the centerline of the vehicle to the center of each headlamp being aligned. Transfer measurements to screen (with tape) to each

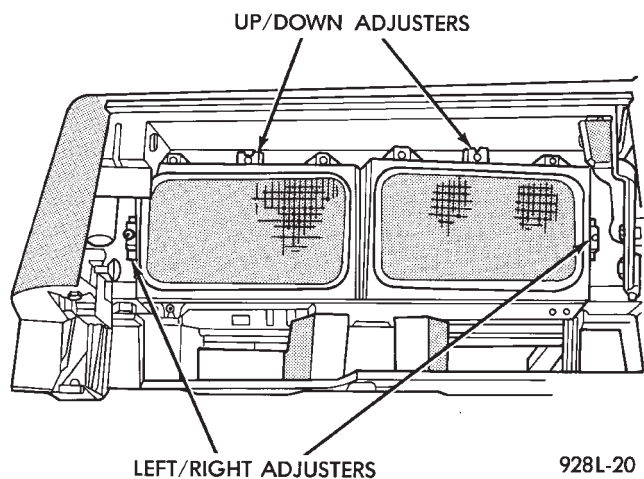
side of vehicle centerline. Use these lines for left/right adjustment reference.

### HEADLAMP ADJUSTMENT (FIG. 3, 4, 5, 6 OR 7)

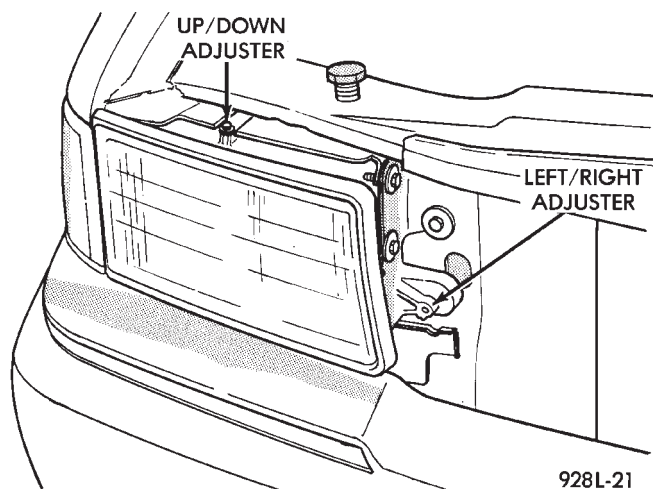
A properly aimed low beam headlamp will project the top edge of high intensity pattern on the alignment screen from 50 mm (2 in.) above to 50 mm (2 in.) below the headlamp centerline. The side-to-side outboard edge of high intensity pattern should be from 50 mm (2 in.) left to 50 mm (2 in.) right of headlamp centerline (Fig. 1). **The preferred headlamp alignment is 0 for the up/down adjustment and 0 for the left-right adjustment.** The high beams on a vehicle with aero headlamps cannot be aligned. The high beam pattern should be correct when the low beams are aligned properly. The high beam pattern on vehicles with multiple sealed beam headlamps should be aligned with the low beam lamp covered or disconnected.

**CAUTION: Do not cover an illuminated headlamp for more than 15 seconds. Lamp will overheat and burn or melt cover.**

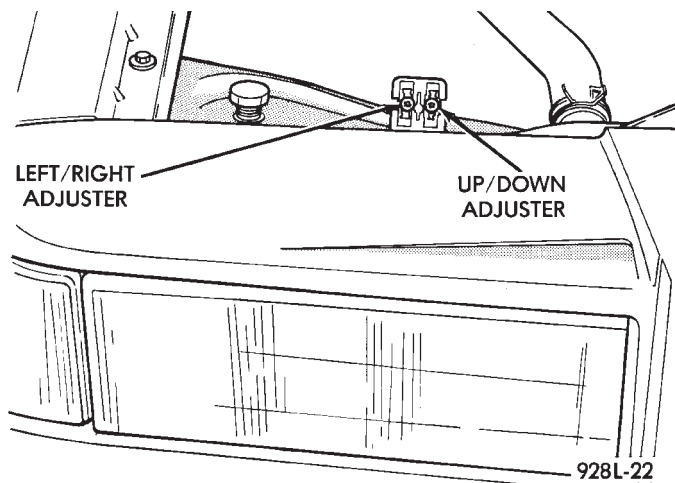
To adjust headlamps, rotate alignment screws to achieve the specified high intensity pattern (Fig. 1 or 2).



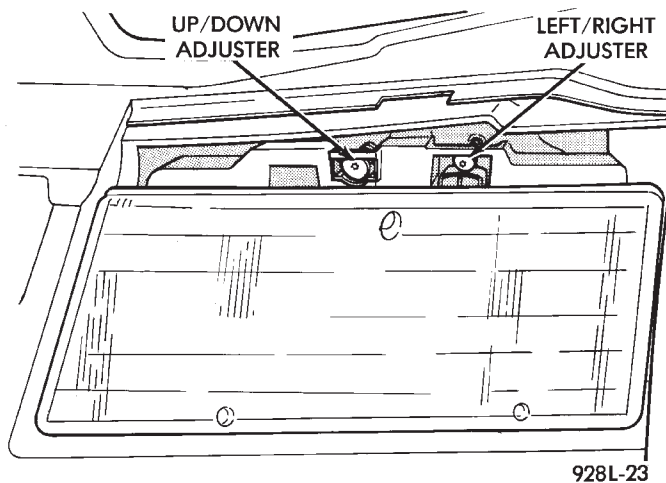
**Fig. 3 Sealed Beam Alignment Screws—AC, AJ and AY-Vehicles**



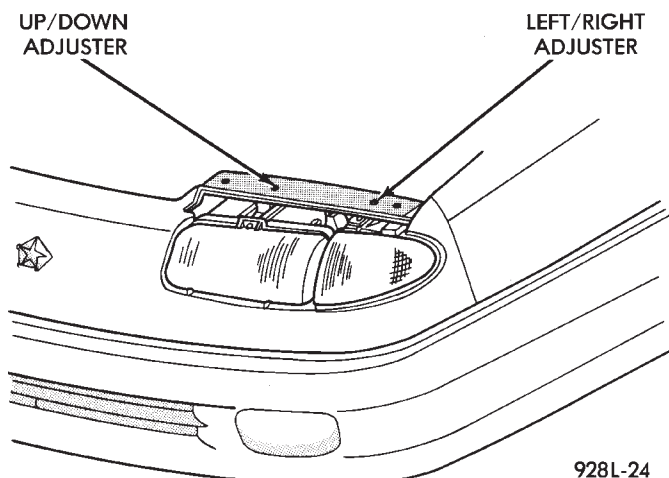
**Fig. 4 Aero Headlamp Alignment Screws—AA-Vehicle**



**Fig. 5 Aero Headlamp Alignment Screws—AC-Vehicle**



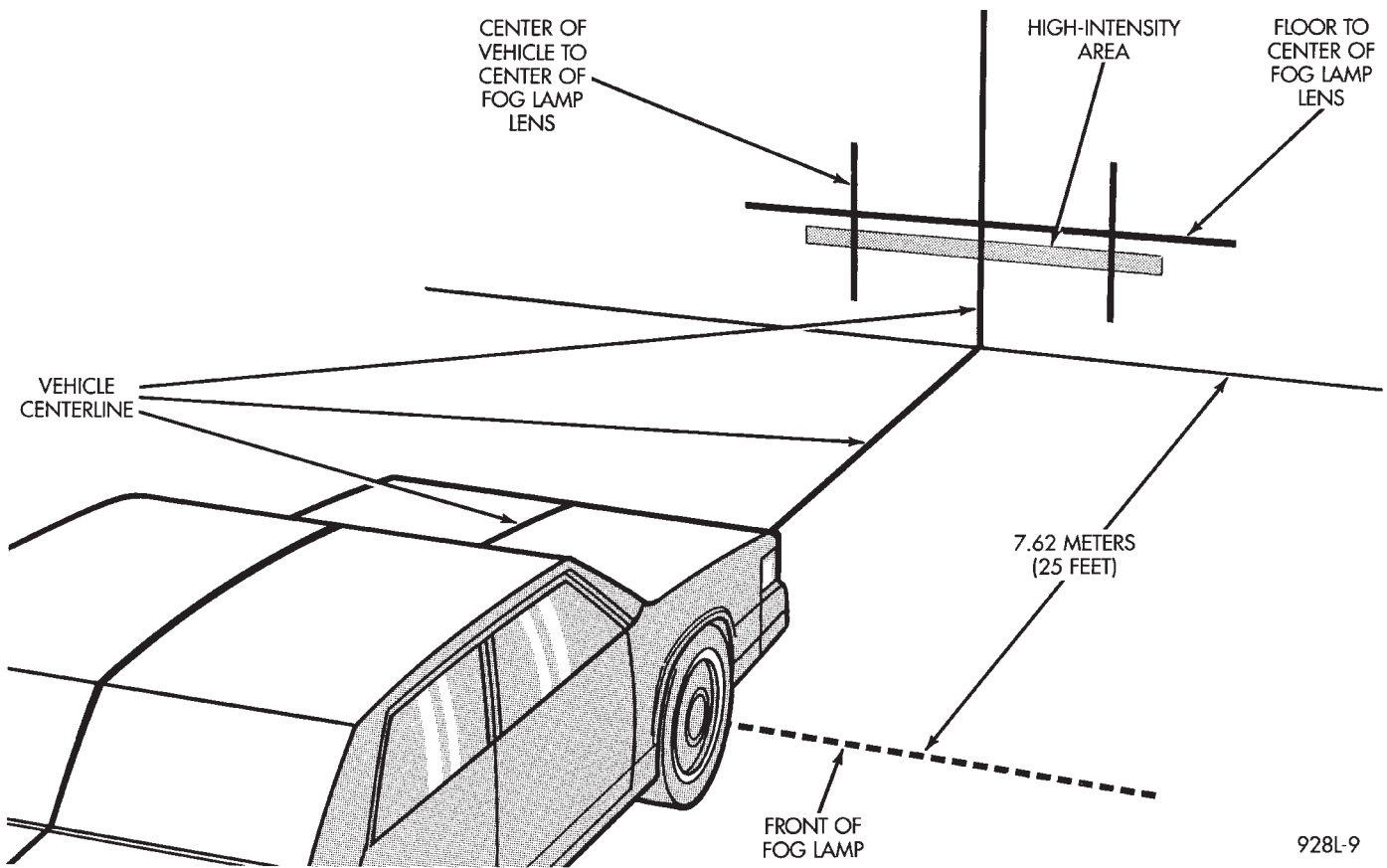
**Fig. 6 Aero Headlamp Alignment Screws—AP-Vehicle**



**Fig. 7 Aero Headlamp Alignment Screws—AG-Vehicle**

#### FOG LAMP ALIGNMENT (FIG. 8)

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 centerline and straight ahead.



**Fig. 8 Fog Lamp Alignment**



## EXTERIOR LAMPS—AA BODY

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## HEADLAMP BULB

## REMOVAL (FIG. 1)

- (1) Raise hood to the open position.
- (2) Disconnect wire connector from lamp socket behind the headlamp in the engine compartment.
- (3) Rotate bulb retaining ring counterclockwise one quarter turn and remove the ring from the lamp.
- (4) Pull bulb from the lens assembly. When installing bulb, align notches on bulb base to grooves in lamp opening.

**CAUTION:** Do not touch the bulb with fingers or any possibly oily surface, reduced bulb life will result.

## INSTALLATION

Reverse the preceding operation.

## HEADLAMP LENS

## REMOVAL

- (1) Raise hood to the open position.
- (2) Disconnect wire connector from back of headlamp bulb.
- (3) Remove screws holding side marker lamp to front fender.
- (4) Separate side marker lamp from fender and remove bulb socket from lamp.
- (5) Remove screws holding headlamp to radiator closure panel.
- (6) Separate headlamp from radiator closure panel.

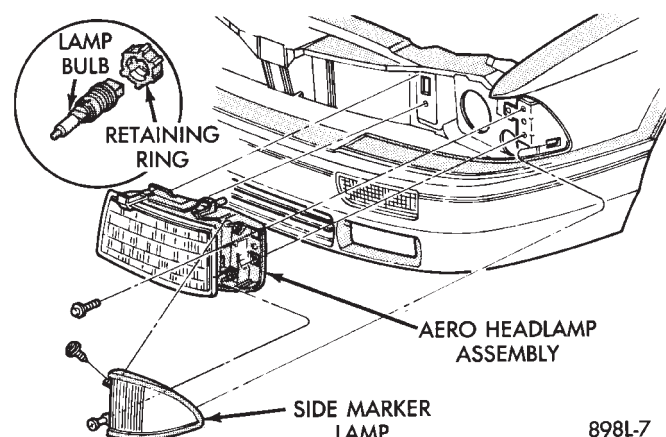
## INSTALLATION

Reverse the preceding operation.

## PARK AND TURN SIGNAL LAMP OR BULB

## REMOVAL (FIG. 2)

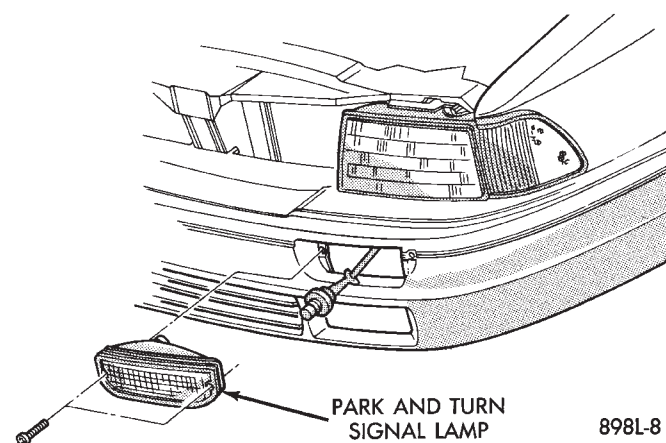
- (1) Remove screws holding park and turn signal lamp to bumper fascia.
- (2) Separate lamp from bumper fascia.
- (3) Remove socket from lamp.
- (4) Pull bulb from socket.



**Fig. 1 Aero Headlamp**

## INSTALLATION

Reverse the preceding operation.



**Fig. 2 Park and Turn Signal Lamp**

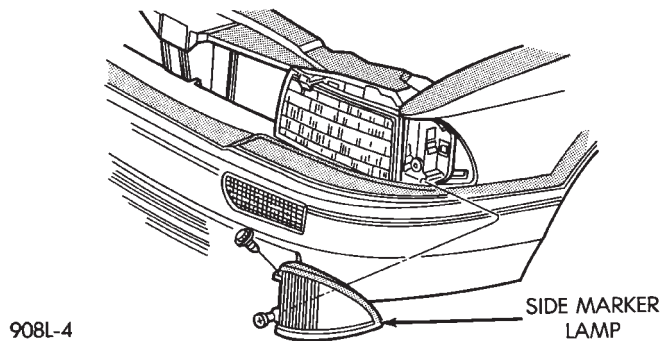
## FRONT SIDE MARKER LAMP OR BULB

## REMOVAL (FIG. 3)

- (1) Remove lamp assembly attaching screws and separate the lamp from the front fender opening.
- (2) Rotate the side marker lamp socket counterclockwise one quarter turn and pull the socket and bulb from the lamp.
- (3) Remove the bulb from the socket.

**INSTALLATION**

Reverse the preceding operation.



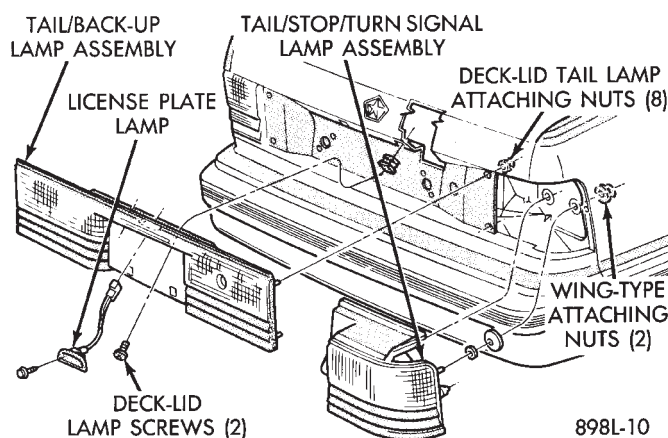
**Fig. 3 Front Side Marker Lamps**

**TAIL, STOP AND TURN SIGNAL LAMP OR BULB****REMOVAL (FIG. 4)**

- (1) Open deck lid and remove the plastic wing nut securing the rear trim cover in place.
- (2) Pivot the end of the trim panel out of the way to gain access, and remove three plastic wing-nuts securing the lamp to the vehicle.
- (3) Separate the tail lamp from the body far enough to rotate the socket and bulb assemblies. Rotate sockets counterclockwise one-half turn and pull the sockets out of the lamp body.
- (4) Remove the bulb from the socket.

**INSTALLATION**

Reverse the preceding operation.



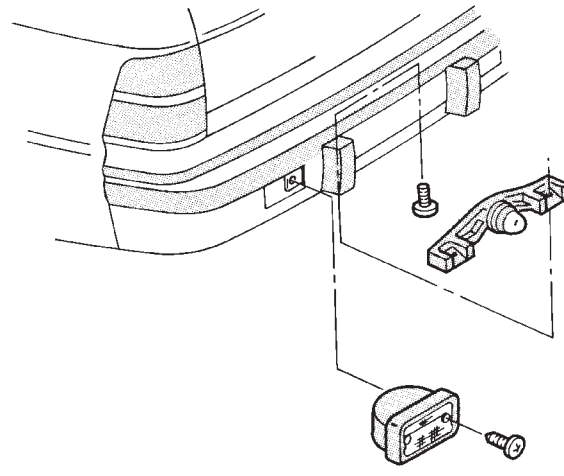
**Fig. 4 Rear Lighting—AA/P or AA/D Body**

**BACK-UP LAMPS—AA/C-BODY****REMOVAL (FIG. 5)**

- (1) Remove screws holding back-up lamp to rear bumper fascia.
- (2) Separate back-up lamp from fascia.
- (3) Remove socket from back-up lamp.
- (4) Pull bulb from socket if bulb replacement is required.

**INSTALLATION**

Reverse the preceding operation.



**Fig. 5 Back-Up and License Plate Lamps AA/C Body**  
**LICENSE PLATE LAMPS**

**REMOVAL (FIG. 5)**

- (1) Remove screws holding license plate lamp to rear bumper fascia.
- (2) Separate license plate lamp from fascia.
- (3) Remove socket from license plate lamp.
- (4) Pull bulb from socket if bulb replacement is required.

**INSTALLATION**

Reverse the preceding operation.

**TRUNK LID MOUNTED TAIL AND BACK-UP LAMP BULB****REMOVAL (FIG. 4)**

- (1) Remove deck lid liner as necessary. Through the access hole in the inner deck lid, rotate socket counterclockwise one-half turn, and pull the socket and bulb assembly from the lamp body.
- (2) Remove the bulb from the socket (Fig. 4).

**INSTALLATION**

Reverse the preceding operation.

**DECK LID MOUNTED TAIL LAMP**

AA/P-D-Body trunk lid mounted tail lamps include the back-up lamps.

**REMOVAL (FIG. 4)**

- (1) Refer to bulb replacement and remove the socket and bulb assemblies.
- (2) Remove eight nuts and two screws securing the tail lamp to the deck lid and remove the lamp from the vehicle (Fig. 4).

## INSTALLATION

Reverse the preceding operation.

## LICENSE PLATE LAMP OR BULB—AA/P-D-Body

## REMOVAL (FIG. 6)

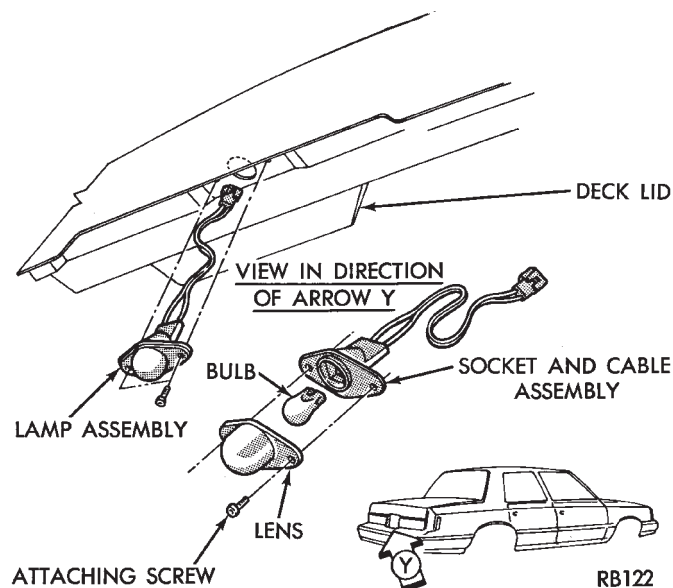
(1) Remove two lamp assembly attaching screws above the rear license plate opening.

(2) Remove the lamp from the deck-lid. Rotate the socket and bulb counterclockwise one-half turn, and pull the socket and bulb out of the lamp body.

(3) Remove bulb from the socket.

## INSTALLATION

Reverse the preceding operation.



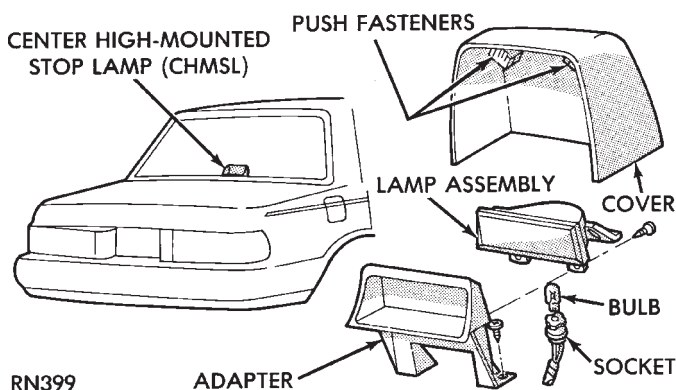
**Fig. 6 License Plate Lamp—AA/P-D-Body**

## CENTER HIGH-MOUNTED STOP LAMP (CHMSL) BULB

## REMOVAL (FIG. 7)

(1) Pull cover from lamp assembly.

(2) Rotate socket counterclockwise to remove socket and bulb.



**Fig. 7 Center High-Mounted Stop Lamp**

(3) Remove bulb from socket.

## INSTALLATION

Reverse the preceding operation.

## FOG LAMPS

## REMOVAL

(1) Raise vehicle.

(2) Unplug the fog lamp pigtail wiring harness from the main lighting harness.

(3) Remove the fog lamp attaching screws from below the lamp assembly (Fig. 8). Pull the lamp assembly through the opening in the front bumper fascia.

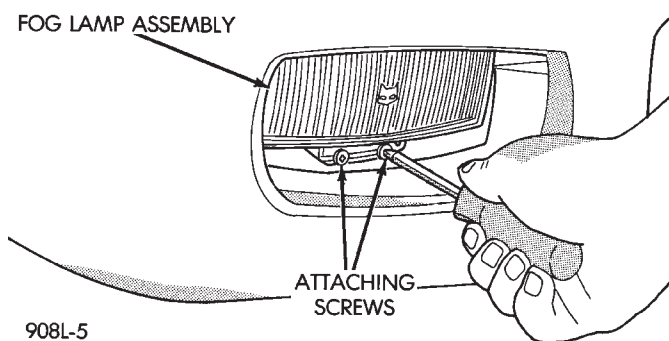
(4) Separate the harness boot from the socket cover and slide the boot back to expose the one wire connector (Fig. 9). Disconnect the wire connector.

**CAUTION:** Do not touch the bulb with fingers or any possibly oily surface, as reduced bulb life will result.

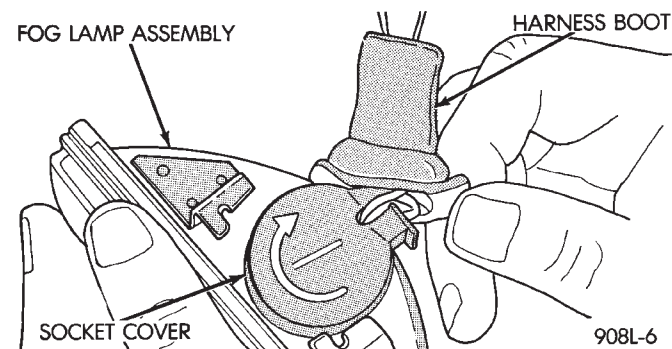
(5) Remove the socket cover and squeeze the bulb retainer clip together. Pivot the retainer aside and remove the bulb/pigtail assembly from the lamp (Fig. 10). The pigtail disconnection is made inside the harness boot. Do not remove the wiring harness ground screw or ground wire from lamp assembly.

## INSTALLATION

Reverse the preceding operation. Refer to Fog Lamp Adjustment Procedures in this Group for alignment instructions.

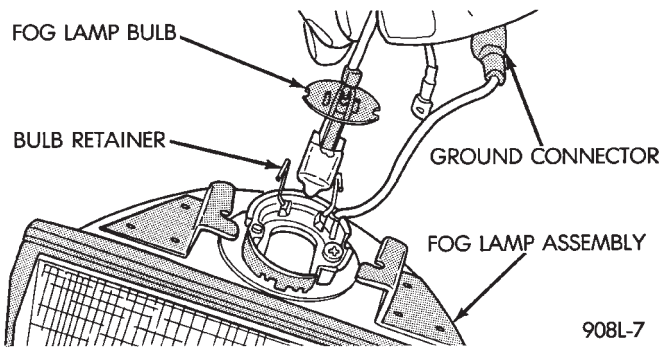


**Fig. 8 Fog Lamp**



**Fig. 9 Wire Boot**





**Fig. 10 Fog Lamp Bulb**

## EXTERIOR LAMPS—AC BODY

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### HEADLAMPS

Conventional and halogen headlamp sealed beam units are physically and electrically interchangeable, it is recommended that they not be intermixed on a given vehicle. The lens, filament and reflector of Sealed Beam Type headlamps are sealed into one unit.

### HEADLAMP DIAGNOSIS

For headlamp diagnosis, refer to the Headlamp Diagnosis chart at the beginning of this Group. Refer to Wiring Diagrams Manual for circuit and component locations.

### HEADLAMP SEALED BEAM—AC/C BODY

#### REMOVAL

- (1) Turn the headlight switch ON.
- (2) Open the hood and locate the Power Distribution Center forward of the left front suspension tower (Fig. 1). Remove the cover.
- (3) Remove the Headlamp Close Relay (Fig. 2) to prevent the headlamp doors from closing.
- (4) Turn the headlight switch OFF.
- (5) Remove screws from headlamp bezel and remove bezel, if equipped.

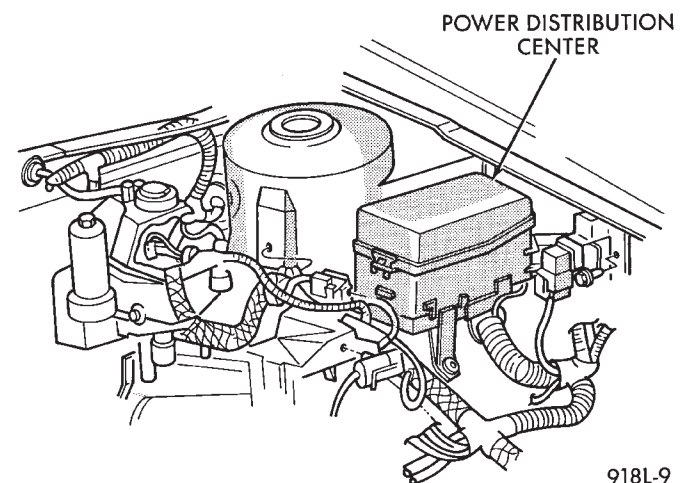
- (6) Remove screws from interior retaining ring (Fig. 3), and remove ring.

**Do not disturb the headlamp adjusting screws.**

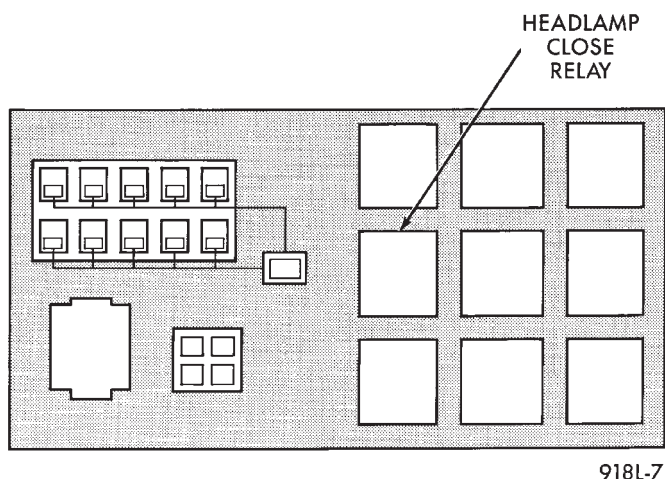
- (7) Pull out sealed beam unit and unplug connector.

#### INSTALLATION

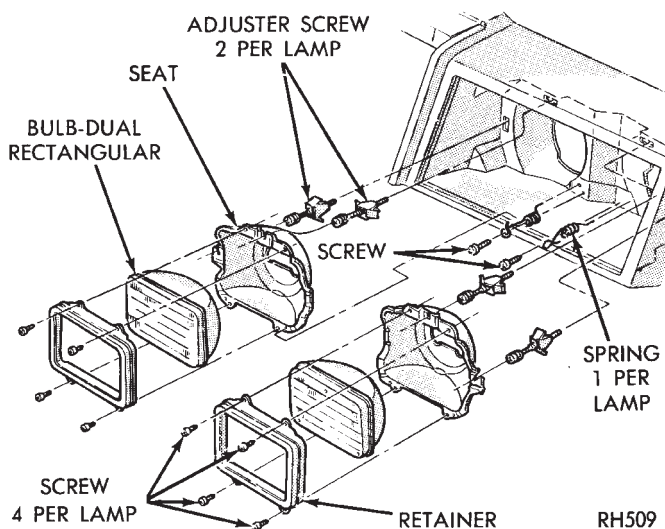
Reverse the preceding operation.



**Fig. 1 Power Distribution Center**



**Fig. 2 Headlamp Close Relay**



**Fig. 3 Sealed Beam Replacement—Typical**

#### AERO HEADLAMPS—AC/D-BODY

Lens fogging is a normal condition and does not require service, as moisture will vent from tubes behind the lens.

#### AERO HEADLAMP BULB

##### REMOVAL (FIG. 4)

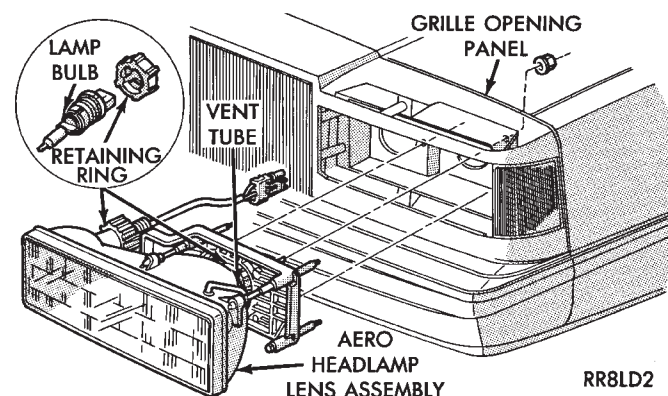
(1) Locate and remove the wire connector behind the headlamp assembly in the engine compartment.

**CAUTION:** Do not touch the bulb with fingers or any possibly oily surface, reduced bulb life will result.

(2) Rotate the bulb retaining ring counterclockwise one quarter turn and remove the ring, bulb and bulb holder from the lens assembly. The bulb holder has alignment notches.

##### INSTALLATION

Reverse the preceding operation.



**Fig. 4 Aero Headlamp—AC/D-Body**

#### AERO HEADLAMP HOUSING

##### REMOVAL (FIG. 4 AND 5)

To remove the aero headlamp housing, perform steps (1) and (2) of bulb removal operation and proceed with the following procedures.

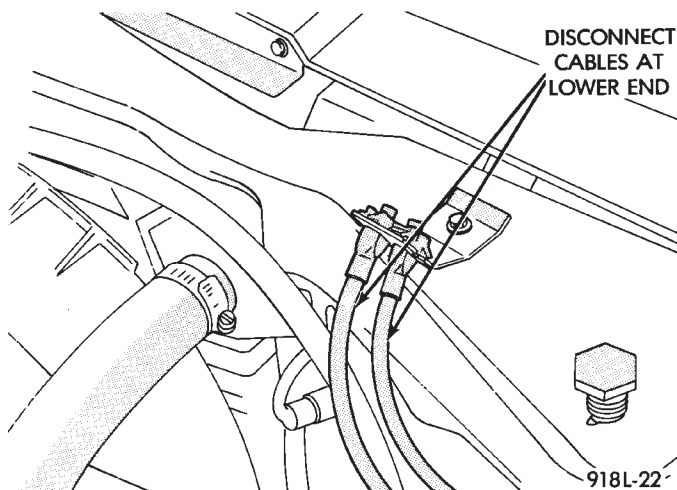
(1) The battery may have to be removed to replace the left front headlamp bulb or lens.

(2) From inside the engine compartment, unsnap the headlamp adjuster cables from the headlamp adjuster screws.

(3) Remove the four headlamp lens attaching nuts from behind the grille opening panel, and remove the lamp housing from the vehicle.

##### INSTALLATION

Reverse the preceding operation.



**Fig. 5 Headlamp Adjuster Cables—AC/D-Body**

## PARK/TURN SIGNAL LAMP OR BULB—AC/D-BODY

### REMOVAL (FIG. 6)

(1) Remove nut holding park turn signal lamp to the GOP through an access hole in the radiator closure panel from behind the lamp.

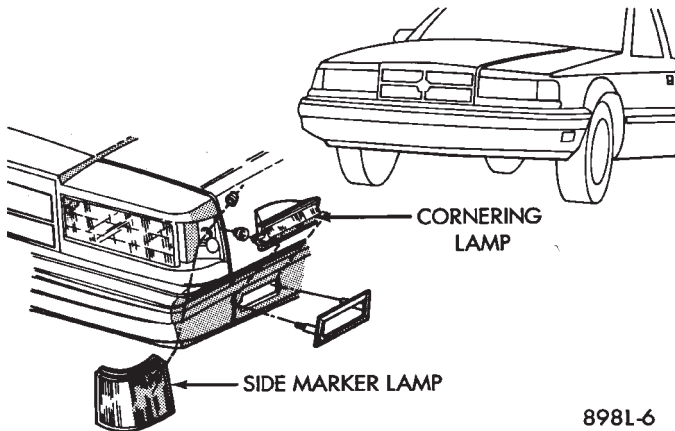
(2) Separate the park and turn signal lamp from the GOP.

(3) Remove the socket from the lamp

(4) Pull the bulb from the socket if bulb replacement is required.

### INSTALLATION

Reverse the preceding operation.



**Fig. 6 Park, Turn Signal, Cornering and Side Marker Lamps—AC/D-Body**

(2) Separate the lamp from the grille opening panel and remove the bulb and socket assembly.

(3) Remove the bulb from the socket.

### INSTALLATION

Reverse the preceding operation.

## PARK/TURN SIGNAL LAMP OR BULB—AC/C-BODY

### REMOVAL (FIG. 7)

(1) Remove the two park and turn signal lamp attaching screws.

(2) Separate the lamp from the front bumper fascia and remove the bulb and socket assembly.

### INSTALLATION

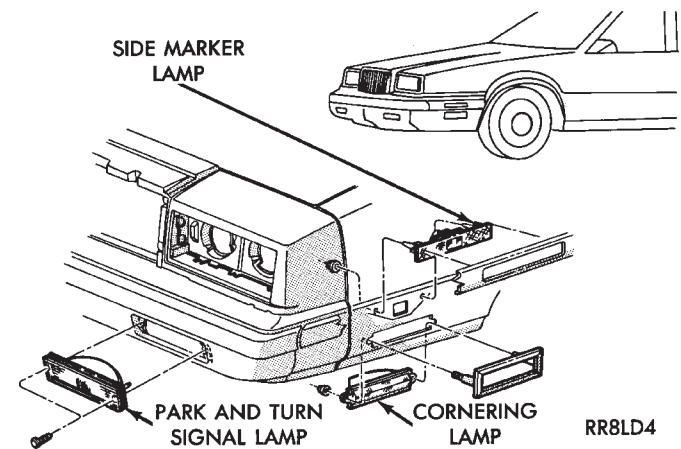
Reverse the preceding operation.

## FRONT SIDE MARKER BULB—AC/C-BODY

### REMOVAL (FIG. 7)

(1) Reach behind the front fender and rotate the socket counterclockwise. Pull the socket from the lamp body.

(2) Remove the bulb from the socket.



**Fig. 7 Park, Turn Signal, Cornering, and Side Marker Lamps—AC/C or AY/C-S-Body**

### INSTALLATION

Reverse the preceding operation.

## FRONT SIDE MARKER LAMP—AC/C-BODY

### REMOVAL (FIG. 7)

(1) Remove the cornering lamp retaining nuts, and remove cornering lamp.

(2) Remove the four nuts retaining the bumper trim moulding to the body.

(3) Remove bumper trim moulding.

(4) Remove side marker lamp.

### INSTALLATION

Reverse the preceding operation.

## CORNERING LAMP BULB

### REMOVAL (FIG. 6 OR 7)

(1) Reach behind the front fender and rotate the socket assembly counterclockwise.

(2) Pull the socket out of the lamp body.

(3) Remove the bulb from the socket.

### INSTALLATION

Reverse the preceding operation.

## CORNERING LAMP ASSEMBLY

### REMOVAL (FIG. 6 OR 7)

(1) Remove the bulb and socket assembly from the lamp body.

(2) Remove nuts securing the lamp assembly to the cornering lamp bezel.

(3) Pull the lamp from the bezel.

### INSTALLATION

Reverse the preceding operation.

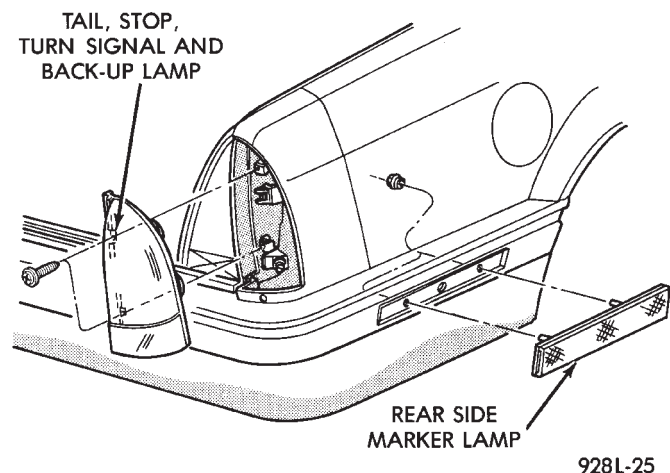
## TAIL, STOP, TURN SIGNAL, BACK-UP LAMP—AC/C OR AY/S-BODY

### REMOVAL (FIG. 8)

- (1) Open trunk lid.
- (2) Remove screws holding tail lamp to quarter panel extension.
- (3) Separate lamp from vehicle.
- (4) Rotate the bulb sockets counterclockwise and pull the sockets from the lamp.
- (5) Pull bulb from socket if bulb replacement is required.

### INSTALLATION

Reverse the preceding operation.



**Fig. 8 Tail, Stop, Turn Signal, Back-Up, and Side Marker Lamps—AC/C or AY/C-S Body**

## TAIL, STOP, TURN SIGNAL, BACK-UP AND SIDE MARKER LAMP—AC/D-BODY

### REMOVAL (FIG. 9)

- (1) Raise deck lid and remove closure panel lower trim cover.
- (2) Remove tail lamp attaching wing nuts from behind the rear closure panel.
- (3) Separate the lamp assembly from the rear closure panel.
- (4) Rotate the socket and bulb assemblies counterclockwise and pull the sockets from the lamp.
- (5) Remove the bulbs from the sockets.

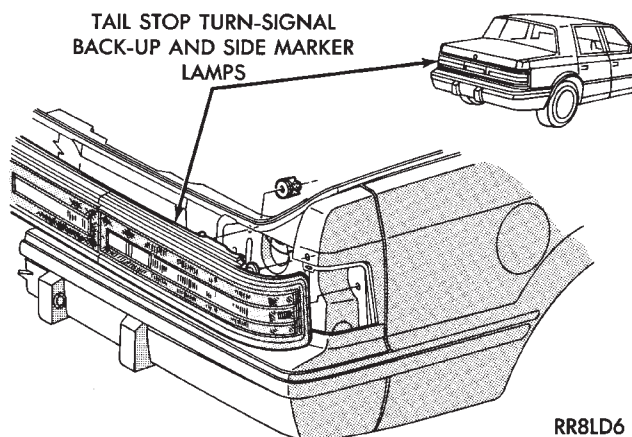
### INSTALLATION

Reverse the preceding operation.

## REAR SIDE MARKER LAMP BULB—AC/C-BODY

### REMOVAL (FIG. 8)

- (1) Raise the deck lid and roll the trunk liner away from the inner quarter panel.
- (2) Rotate the socket and bulb assembly counterclockwise and pull the socket from the lamp.
- (3) Remove the bulb from the socket.



**Fig. 9 Rear Lighting—AC/D-Body**

### INSTALLATION

Reverse the preceding operation.

## REAR SIDE MARKER LAMP—AC/C-BODY

### REMOVAL (FIG. 8)

- (1) Remove the body side molding. Refer to Group 23, Body.
- (2) Remove socket assembly and attaching nuts and separate lamp from the body.

### INSTALLATION

Reverse the preceding operation.

## LICENSE PLATE LAMP/BULB

### REMOVAL

- (1) Remove the two screws retaining the lamp to the bumper guard.
- (2) Remove the bulb from the socket assembly.

### INSTALLATION

Reverse the preceding operation.

## CENTER HIGH-MOUNTED STOP LAMP (CHMSL) BULB

### REMOVAL

- (1) Open trunk lid.
- (2) From under the parcel shelf, rotate socket counterclockwise, and pull the CHMSL socket and bulb from the lamp.
- (3) Pull bulb from the socket.

### INSTALLATION

Reverse the preceding operation.

## CENTER HIGH-MOUNTED STOP LAMP (CHMSL)

### REMOVAL (FIG. 10)

- (1) Remove parcel shelf trim cover. Refer to Group 23, Body.



(2) Remove two CHMSL attaching screws and separate the lamp from the parcel shelf.

#### INSTALLATION

Reverse the preceding operation.

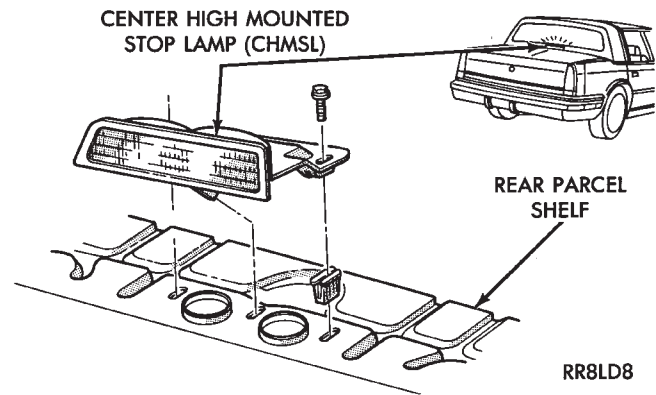


Fig. 10 CHMSL

## EXTERIOR LAMPS—AG BODY

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### HEADLAMP DIAGNOSIS

For headlamp diagnosis, refer to the Headlamp Diagnosis chart at the beginning of this Group. Refer to Wiring Diagrams manual for circuit and component locations.

### HEADLAMP HOUSING AND BULB

#### REMOVAL (FIG. 1)

- (1) Raise hood.
- (2) Disengage fasteners holding sight shield flaps to headlamp mounting panel. Refer to Group 23, Body for instructions.
- (3) Remove nuts holding map housing to headlamp mounting panel.
- (4) Separate lamp from mounting panel.
- (5) Disconnect wire connectors from lamp sockets behind lamp.
- (6) Separate lamp housing from vehicle.

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

- (7) Rotate sockets counterclockwise and pull bulb unit from lamp.

#### INSTALLATION

Reverse the preceding operation.

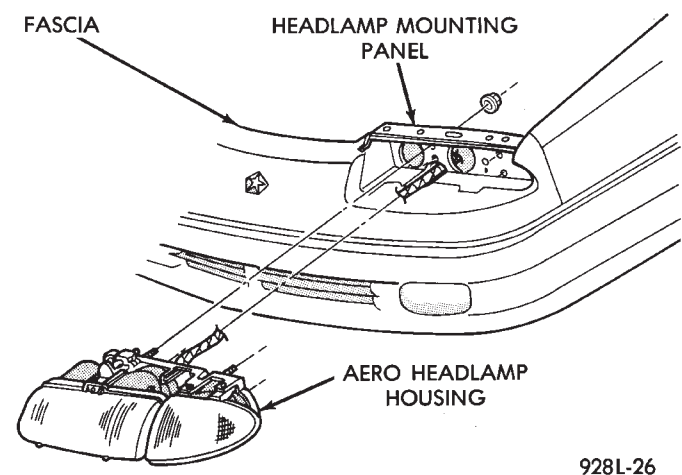


Fig. 1 Aero Headlamp



## PARK AND TURN SIGNAL LAMP OR BULB

### REMOVAL (FIG. 1)

- (1) Remove headlamp housing.
- (2) Remove the bulb and socket assembly from the lamp. Pull bulb from socket if bulb replacement is required.
- (3) Remove screws holding park and turn signal lamp to headlamp housing.

### INSTALLATION

Reverse the preceding operation.

## FOG LAMP OR BULB

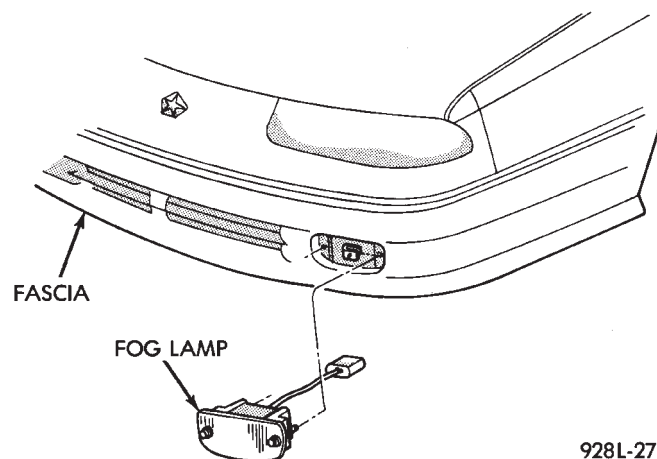
### REMOVAL (FIG. 2 AND 3)

- (1) Remove screws holding fog lamp to front fascia.
- (2) Disengage tabs holding cover to back of fog lamp.
- (3) Separate cover from lamp.
- (4) Disengage bulb retainer clip from tabs on back of lamp. Separate clip from lamp.
- (5) Pull bulb from lamp.

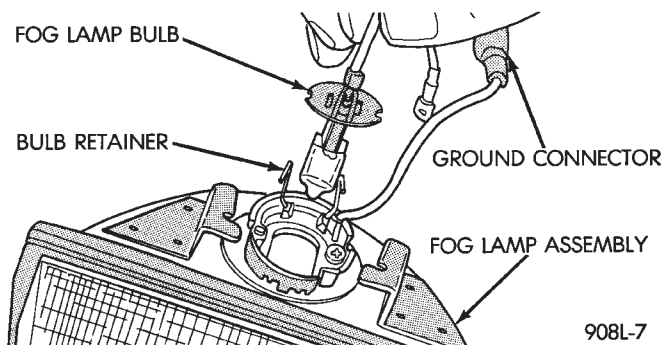
**CAUTION:** Do not touch the bulb glass with fingers or other oily surface, as reduced bulb life will result.

### INSTALLATION

Reverse the preceding operation. Refer to Fog Lamp Alignment procedures in this group.



**Fig. 2 Fog Lamp**



**Fig. 3 Fog Lamp Bulb**

## TAIL, STOP, TURN SIGNAL, SIDE MARKER, BACK-UP LAMP

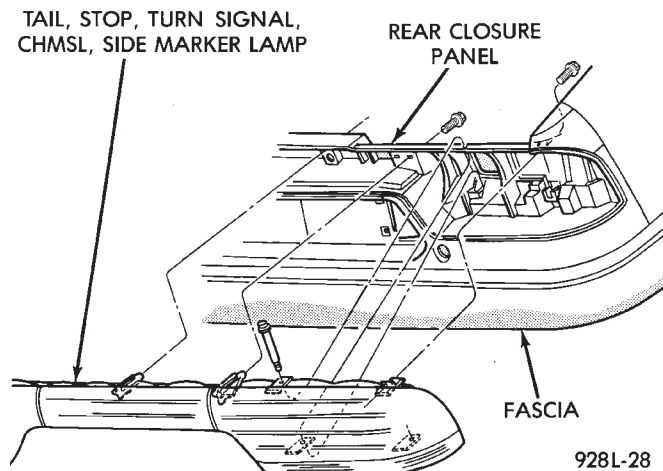
The lamp must be separated from the rear closure panel to replace the bulbs.

### REMOVAL (FIG. 4)

- (1) Remove rear lift gate scuff plate.
- (2) Remove screws holding tail lamp to rear closure panel.
- (3) Separate the lamp from rear closure panel.
- (4) Rotate sockets counterclockwise and separate sockets from tail lamp.
- (5) Pull bulb from socket if bulb replacement is required.

### INSTALLATION

Reverse the preceding operation.



**Fig. 4 Tail Lamps**

## CENTER HIGH MOUNTED STOP LAMP BULB

### REMOVAL

- (1) Open the lift gate.
- (2) Remove the lower scuff plate, reach behind the closure panel, and rotate the bulb and socket counterclockwise and separate socket from the lamp.
- (3) Remove bulb from socket.

### INSTALLATION

Reverse the preceding operation.

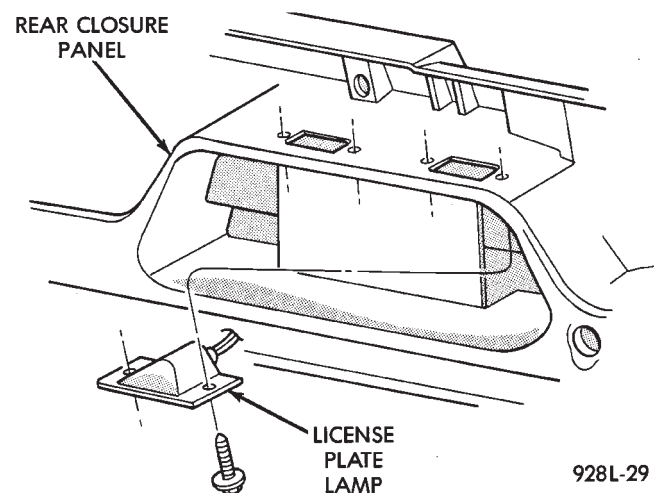
## LICENSE PLATE LAMP OR BULB

### REMOVAL (FIG. 5)

- (1) Remove screws holding license plate lamp to the rear closure above the license plate.
- (2) Separate the lamp from the rear closure panel.
- (3) Remove socket from the lamp and pull bulb from socket if bulb replacement is required.

### INSTALLATION

Reverse the preceding operation.



**Fig. 5 License Plate Lamp**

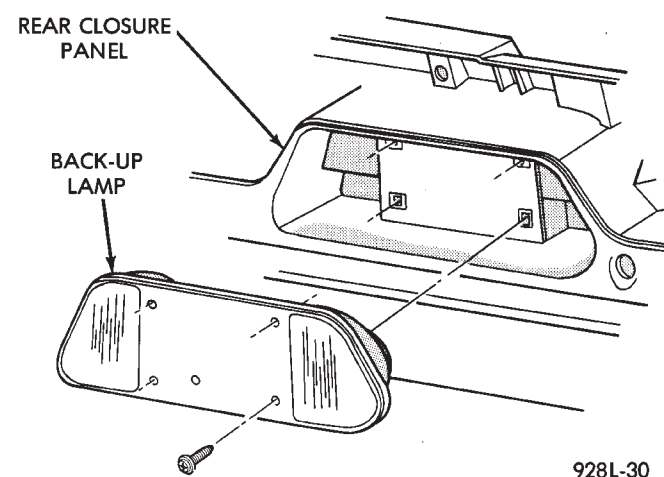
## BACK-UP LAMPS

### REMOVAL (FIG. 6)

- (1) Remove license plate, if equipped.
- (2) Remove screws holding back-up lamp to rear closure panel.
- (3) Separate back-up lamp from closure panel.
- (4) Remove sockets from back of lamp.
- (5) Pull bulbs from sockets if bulb replacement is required.

### INSTALLATION

Reverse the preceding operation.



**Fig. 6 Back-up Lamps**

## EXTERIOR LAMPS—AJ BODY

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## HEADLAMPS

Conventional and halogen sealed beams are interchangeable. It is not recommended that they mixed on a vehicle. The lens, filament and reflector of sealed beam headlamps are molded into one unit.

## HEADLAMP DIAGNOSIS

For headlamp diagnosis, refer to the headlamp diagnosis chart at the beginning of this group. Refer to Wiring Diagrams manual for circuit and component locations.

## SEALED BEAM

## REMOVAL

- (1) Turn the headlight switch ON.
- (2) Open the hood and locate the power distribution center forward of the left front suspension tower (Fig. 1). Remove the cover.
- (3) Remove the headlamp close relay (Fig. 2) to prevent the headlamp doors from closing.
- (4) Turn the headlight switch OFF.
- (5) Remove screws from headlamp bezel and remove bezel, if equipped.
- (6) Remove screws from interior retaining ring (Fig. 3), and remove ring.

**Do not disturb the headlamp adjusting screws.**

- (7) Separate sealed beam from seat and disconnect wire connector.

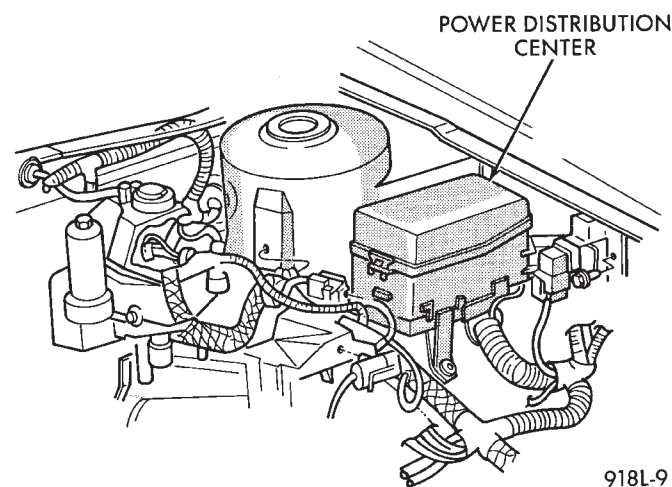
## INSTALLATION

Reverse the preceding operation.

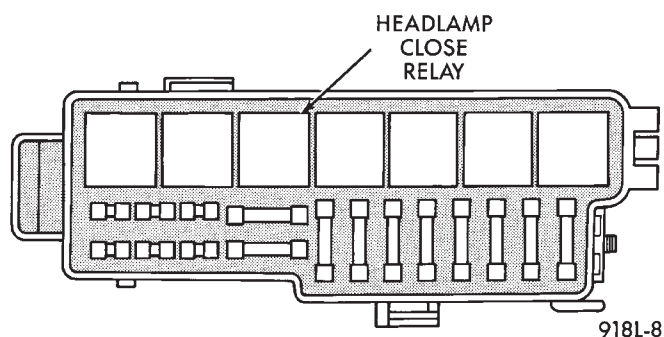
## PARK AND TURN SIGNAL LAMP OR BULB

## REMOVAL (FIG. 4)

- (1) Remove two screws from the lamp and pull the lamp from the bumper fascia.
- (2) Remove the socket and bulb assembly from the lamp body.



**Fig. 1 Power Distribution Center—Typical**



**Fig. 2 Headlamp Close Relay**

## INSTALLATION

Reverse the preceding operation.

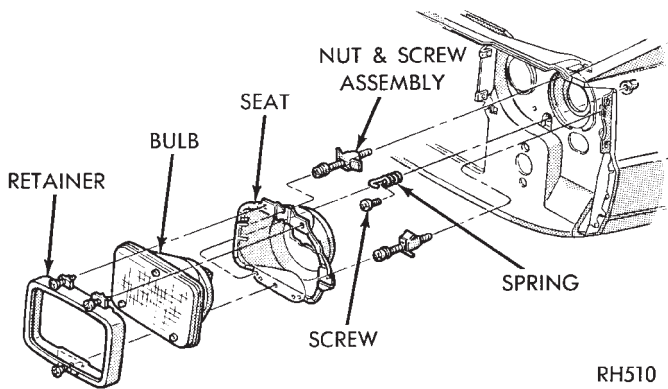
## FRONT SIDE MARKER LAMP BULB

## REMOVAL

- (1) Reach under and behind the front fender to rotate the socket counterclockwise one half turn.
- (2) Pull the socket from the lamp body.
- (3) Pull bulb from the socket.

## INSTALLATION

Reverse the preceding operation.



**Fig. 3 Sealed Beam Replacement—Typical**

### FRONT SIDE MARKER LAMP

#### REMOVAL (FIG. 4)

- (1) Remove the socket and bulb from the lamp body.
- (2) From behind front fender, remove nuts holding side marker lamp to fender.
- (3) Separate side marker lamp from vehicle.

#### INSTALLATION

Reverse the preceding operation.

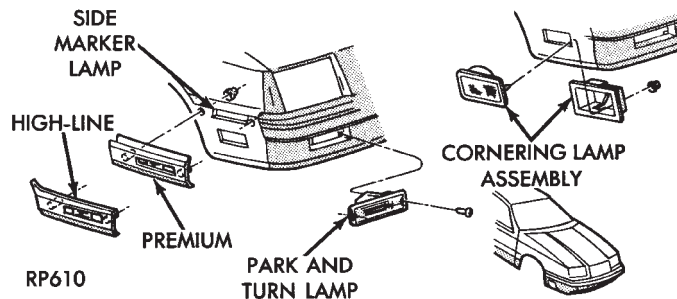
### CORNERING LAMP OR BULB

#### REMOVAL (FIG. 4)

- (1) From behind front fender, remove nuts holding cornering lamp to fender.
- (2) Remove socket from lamp.
- (3) Separate cornering lamp from the vehicle.

#### INSTALLATION

Reverse the preceding operation.



**Fig. 4 Park, Turn Signal, Cornering and Side Marker Lamp**

### TAIL, STOP, TURN SIGNAL BULB OR LAMP

#### REMOVAL (FIG. 5)

- (1) Open deck lid and remove the plastic wing nut securing the rear trim cover in place.
- (2) Pivot the end of the trim panel out of the way to gain access, and remove three plastic wing-nuts securing the lamp to the vehicle.

- (3) Separate the tail lamp from the body far enough to rotate the socket and bulb assemblies counterclockwise one-half turn and pull the sockets out of the lamp body.

- (4) Remove the bulb from socket.

#### INSTALLATION

Reverse the preceding operation.

### TRUNK LID TAIL LAMP BULB

#### REMOVAL (FIG. 5)

- (1) Remove deck lid liner as necessary. Through access hole in the inner deck lid, rotate socket counterclockwise one-half turn, and pull the socket and bulb assembly from the lamp body.
- (2) Remove the bulb from the socket.

#### INSTALLATION

Reverse the preceding operation.

### TRUNK LID TAIL LAMP

#### REMOVAL (FIG. 5)

- (1) Remove bulb and sockets from trunk lid tail lamp.
- (2) Remove six nuts and four screws securing the tail lamp to the deck lid and remove the lamp assembly from the vehicle.

#### INSTALLATION

Reverse the preceding operation.

### BACK-UP LAMP BULB

#### REMOVAL (FIG. 5)

- (1) From behind the rear bumper fascia, rotate the bulb and socket assembly counterclockwise one-half turn and pull the bulb and socket out of the lamp body.
- (2) Remove the bulb from the socket.

#### INSTALLATION

Reverse the preceding operation.

### BACK-UP LAMP

#### REMOVAL (FIG. 5)

- (1) Remove the socket and bulb assembly from the lamp body.
- (2) Remove two screws from the lamp and pull the lamp from the rear bumper fascia.

#### INSTALLATION

Reverse the preceding operation.

**REAR SIDE MARKER LAMP BULB****REMOVAL (FIG. 5)**

(1) Open the deck lid and remove the fastener (wing nut) from the lower rear trim panel. Rotate the inner quarter trim panel forward to gain access to the lamp assembly. Rotate counterclockwise one-half turn, and pull the socket and bulb from the lamp body.

(2) Remove the bulb from the socket.

**INSTALLATION**

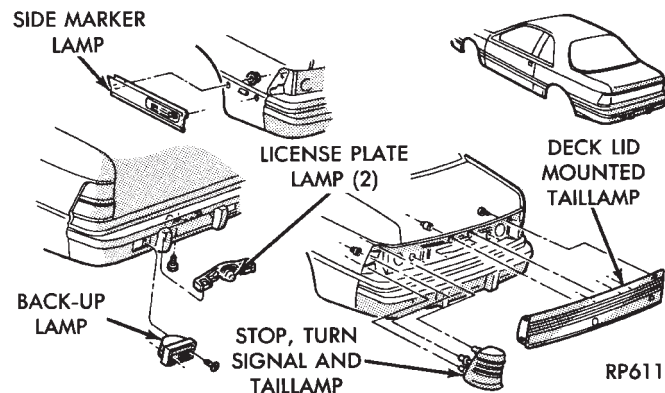
Reverse the preceding operation.

**REAR SIDE MARKER LAMP****REMOVAL (FIG. 5)**

(1) Remove the socket and bulb assembly.  
 (2) Remove two attaching nuts from the lamp behind the quarter panel and remove the lamp from the vehicle.

**INSTALLATION**

Reverse the preceding operation.



**Fig. 5 Tail, Stop, Turn Signal, Back-Up, License Plate and Side Marker Lamps**

**LICENSE PLATE LAMP OR BULB****REMOVAL (FIG. 5)**

(1) Remove screws holding license plate lamp to rear bumper fascia.  
 (2) Remove socket from back of lamp.  
 (3) Pull bulb from socket if bulb replacement is required.  
 (4) Separate lamp from vehicle.

**INSTALLATION**

Reverse the preceding operation.

**CENTER HIGH MOUNTED STOP LAMP (CHMSL) BULB****REMOVAL—AJ-BODY (FIG. 6)**

(1) Open deck lid.  
 (2) From under the parcel shelf, rotate socket counterclockwise, and pull the CHMSL socket and bulb from the lamp. Remove the bulb from the socket.

**INSTALLATION**

Reverse the preceding operation.

**REMOVAL—AJ/27-BODY (FIG. 7)**

(1) Remove CHMSL lens attaching screws and separate lens from the lamp body.  
 (2) Remove socket from lamp.  
 (3) Remove bulb.

**INSTALLATION**

Reverse the preceding operation.

**CENTER HIGH MOUNTED STOP LAMP ASSEMBLY (CHMSL)****REMOVAL—AJ-BODY (FIG. 6)**

(1) Remove parcel shelf trim cover. Refer to Group 23, Body.  
 (2) Remove two CHMSL attaching screws and separate the lamp from the parcel shelf.

**INSTALLATION**

Reverse the preceding operation.

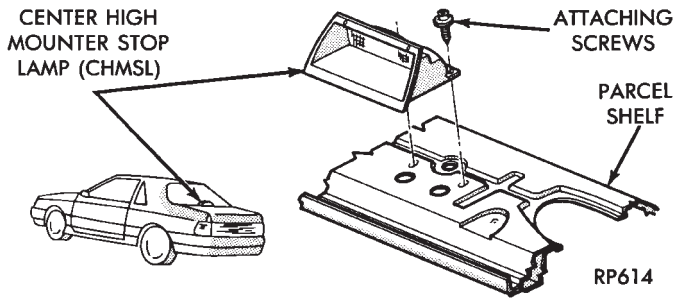
**REMOVAL—AJ/27-BODY (FIG. 7)**

(1) From inside the luggage compartment, locate and remove the two plastic plugs from under the filler panel behind the compartment opening.  
 (2) Remove the two CHMSL attaching nuts through the clearance holes under the filler panel.  
 (3) Disconnect the wire connector and separate the lamp assembly from the filler panel.

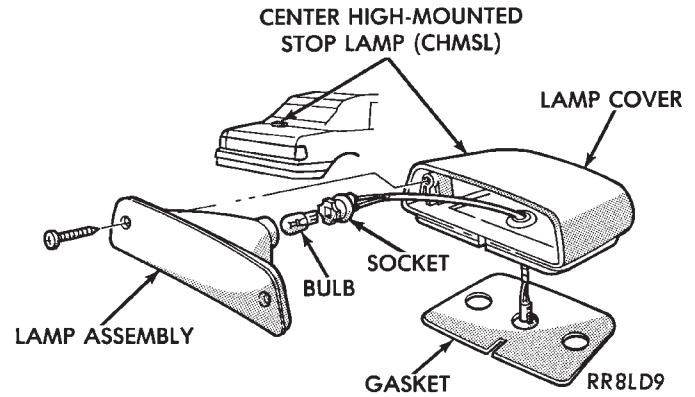
**INSTALLATION**

Reverse the preceding operation.





**Fig. 6 Center High Mounted Stop Lamp—AJ Body**



**Fig. 7 Center High Mounted Stop Lamp  
AJ/27-Body**

## EXTERIOR LAMPS—AP BODY

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### HEADLAMP DIAGNOSIS

For headlamp diagnosis, refer to the headlamp diagnosis chart at the beginning of this group. Refer to Wiring Diagrams manual for circuit and component locations.

### HEADLAMP BULB

#### REMOVAL (FIG. 1)

(1) Left front bulb removal: Remove the windshield washer reservoir upper mounting screw and position reservoir rearward.

(2) Disconnect wire connector from back of headlamp behind radiator closure panel.

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

(3) Rotate the bulb retaining ring counterclockwise one quarter turn and remove the ring, bulb holder and bulb from the lens assembly. The bulb holder has alignment notches.

#### INSTALLATION

Reverse the preceding operation.

### HEADLAMP HOUSING

#### RIGHT HEADLAMP REMOVAL (FIG. 1)

To remove the aero headlamp housing, perform steps 1, 2 and 3 of bulb removal operation and proceed with the following steps.

(1) From in the engine compartment, remove the three headlamp assembly to body attaching nuts and separate the lamp from the body.

(2) Pull headlamp/lens assembly forward.

(3) Pull the lower section of the headlamp adjuster cable from the lamp adjuster screw.

(4) Remove headlamp/lens assembly.

(5) Remove the four lamp/lens to headlamp bucket screws.

(6) Remove headlamp/lens.

#### INSTALLATION

Reverse the preceding operation.

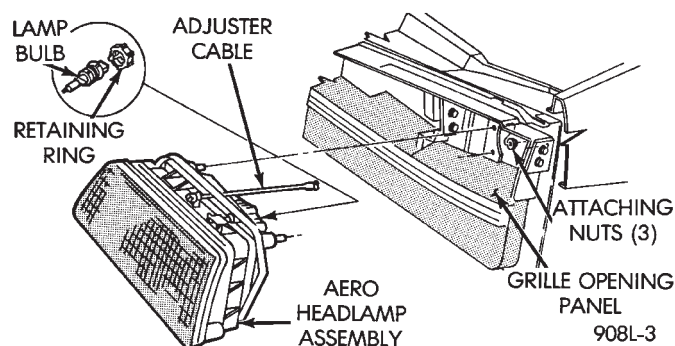
#### LEFT HEADLAMP REMOVAL (FIG. 1)

(1) Disconnect battery cables, negative first, and remove battery.

- (2) Remove the windshield washer reservoir upper mounting screw and position reservoir rearward.
- (3) Remove the air cleaner intake tube.
- (4) Remove screws holding Engine Controller to inner fender flange.
- (5) Move Engine Controller rearward, leave wires connected.
- (6) Remove air duct from front of Engine Controller.
- (7) Disconnect wire connector from back of headlamp.
- (8) From in the engine compartment, remove nuts holding headlamp housing to radiator closure panel.
- (9) Separate headlamp housing from radiator closure panel.
- (10) Pull headlamp housing forward.
- (11) Pull the lower section of the headlamp adjuster cable from the lamp adjuster screw.
- (12) Separate headlamp from vehicle.

**INSTALLATION**

Reverse the preceding operation.



**Fig. 1 Aero Headlamp**

**PARK AND TURN SIGNAL LAMP OR BULB****REMOVAL (FIG. 2)**

- (1) Remove screws holding the park and turn signal lamp to the bumper fascia.
- (2) Separate lamp from bumper fascia.
- (3) Rotate the socket counterclockwise and remove the socket from the lamp assembly.
- (4) Pull the bulb from the socket.

**INSTALLATION**

Reverse the preceding operation.

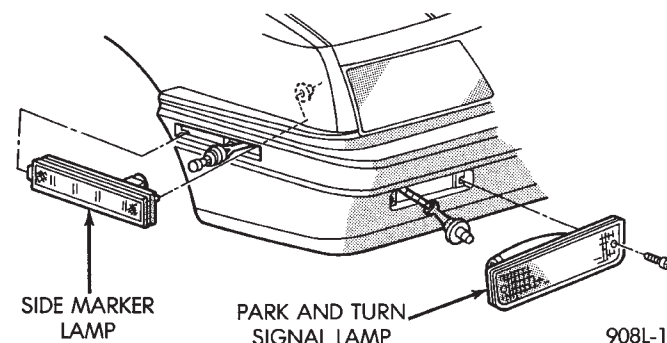
**FRONT SIDE MARKER LAMP OR BULB****REMOVAL (FIG. 2)**

- (1) Locate back of side marker lamp behind bumper fascia.
- (2) Rotate socket counterclockwise and remove the socket and bulb from the lamp.
- (3) Pull bulb from socket if replacement is required.

- (4) Remove nuts holding side marker lamp to the fascia and separate lamp from vehicle.

**INSTALLATION**

Reverse the preceding operation.



**Fig. 2 Park, Turn Signal, and Side Marker Lamps  
TAIL, STOP, TURN SIGNAL, BACK-UP AND SIDE  
MARKER LAMP BULBS**

**REMOVAL (FIG. 3)**

- (1) Remove luggage compartment rear trim cover.
- (2) Loosen and shift the quarter panel silencer out of the way.
- (3) Rotate socket counterclockwise and separate socket and bulb from lamp assembly.
- (4) Remove the bulb from the socket.

**INSTALLATION**

Reverse the preceding operation.

**TAIL, STOP, TURN SIGNAL, BACK-UP AND SIDE  
MARKER LAMP****REMOVAL (FIG. 3)**

- (1) Remove luggage compartment rear trim cover.
- (2) Loosen and shift the quarter panel silencer out of the way.
- (3) Rotate sockets counterclockwise and separate sockets from lamp assembly.
- (4) Remove the lamp assembly to body retaining nuts.
- (5) Remove the lamp assembly.

**INSTALLATION**

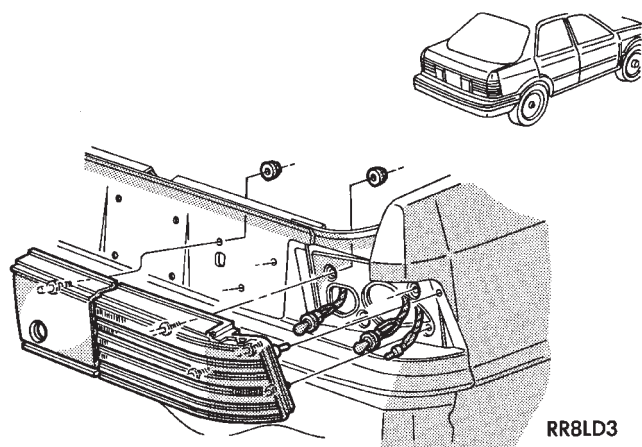
Reverse the preceding operation.

**LICENSE PLATE LAMP OR BULB****REMOVAL (FIG. 4)**

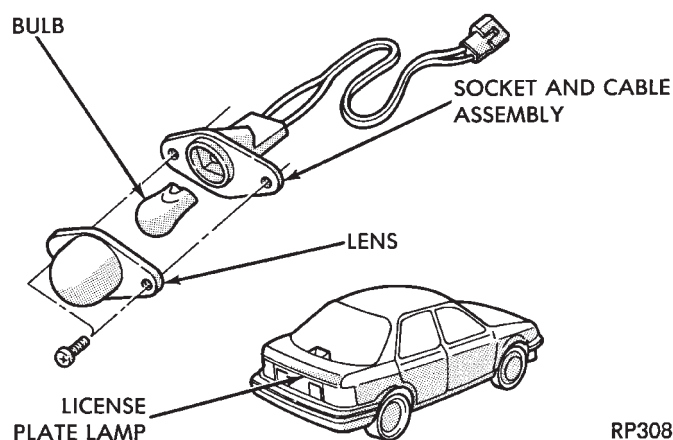
- (1) Locate and remove two attaching screws holding the assembly to the tail panel.
- (2) Separate the lens from the lamp assembly.
- (3) Remove bulb from socket assembly.

**INSTALLATION**

Reverse the preceding operation.



**Fig. 3 Tail, Stop, Turn Signal, Side Marker and Back-Up Lamps**



**Fig. 4 License Plate Lamp — Typical**

### CENTER HIGH MOUNTED STOP LAMP BULB AP/24-44-BODY

#### REMOVAL (FIG. 5)

- (1) Remove the lower rear glass trim cover. Refer to Group 23, Body.
- (2) Rotate lamp sockets counterclockwise and remove them from the lamp assembly.
- (3) Remove bulb from the socket.

#### INSTALLATION

Reverse the preceding operation.

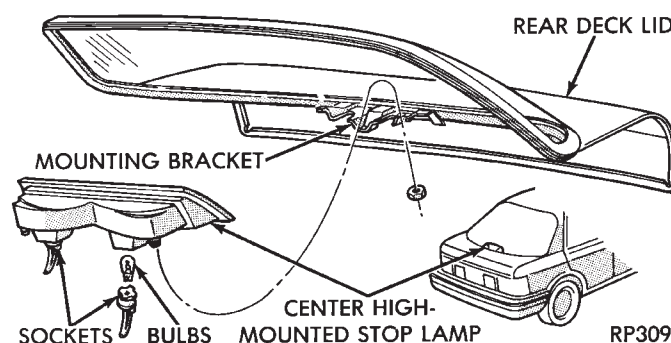
### CENTER HIGH MOUNTED STOP LAMP (CHMSL)—AP/24-44-BODY

#### REMOVAL (FIG. 5)

- (1) Remove the lower rear glass trim cover. Refer to Group 23, Body.
- (2) Remove two attaching nuts from the assembly mounting and lift the lamp from the bracket.
- (3) Remove bulbs from lamp.
- (4) Remove lamp attaching nuts.
- (5) Remove lamp assembly.

#### INSTALLATION

Reverse the preceding operation.



**Fig. 5 Center High Mounted Stop Lamp AP/24-44-Body**

### CENTER HIGH MOUNTED STOP LAMP BULB AP/27-BODY

#### REMOVAL

- (1) Remove screws holding CHMSL lens to lamp housing.
- (2) Separate lens and lamp from body.
- (3) Remove socket from back of lamp.
- (4) Pull bulb from socket.

#### INSTALLATION

Reverse the preceding operation.

### CENTER HIGH MOUNTED STOP LAMP AP/27-BODY

#### REMOVAL (FIG. 6)

- (1) Remove trunk lid applique. Refer to Group 23, Body.
- (2) Remove nuts holding CHMSL to applique.
- (3) Disconnect wire connector from CHMSL.

#### INSTALLATION

Reverse the preceding operation.

### FOG LAMP BULB

#### REMOVAL

- (1) From behind the front bumper support, rotate the socket counterclockwise one quarter turn, and remove the socket from lamp assembly.
- (2) Disconnect wire connector and remove bulb.

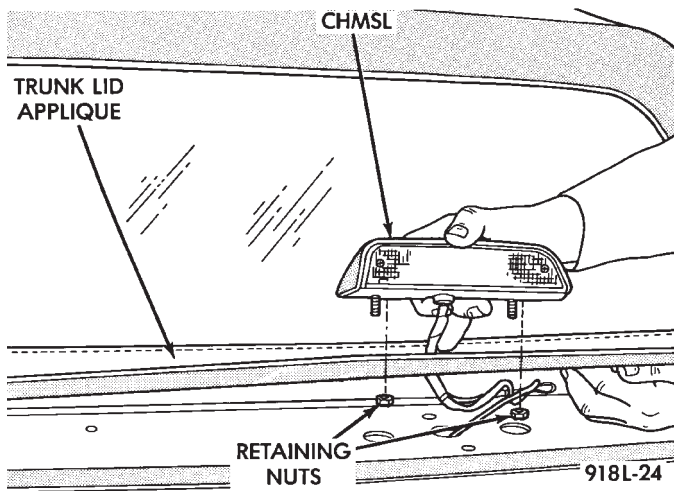
#### INSTALLATION

Reverse the preceding operation.

### FOG LAMPS

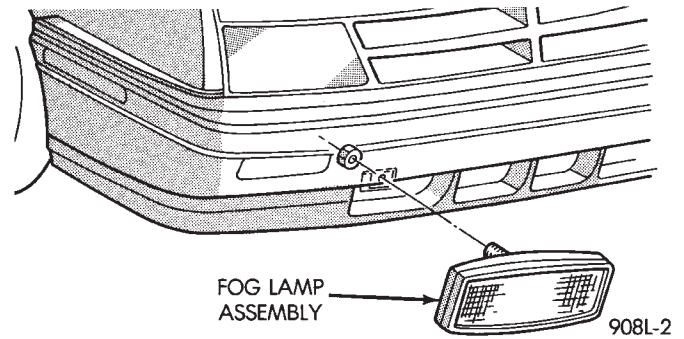
#### REMOVAL (FIG. 7)

- (1) Disconnect wire connector from back of lamp.



**Fig. 6 Center High Mounted Stop Lamp  
AP/27-Body**

- (2) Remove nut holding fog lamp to mounting bracket.
- (3) Separate fog lamp from bumper fascia.



**Fig. 7 Fog Lamps**



## EXTERIOR LAMPS—AY-BODY

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## GENERAL INFORMATION

To service exterior lamps on AY/C-S-Body, refer to procedures covered in Exterior Lamps—AC-Body section. AC/C-S-Body uses the same lamps as AY/C-S-Body.

## HEADLAMPS

Conventional and halogen sealed beams are interchangeable. It is not recommended that they be mixed. The lens, filament and reflector of sealed beams are molded into one unit.

## HEADLAMP DIAGNOSIS

For headlamp diagnosis, refer to the headlamp diagnosis chart at the beginning of this Group. Refer to Wiring Diagrams manual for circuit and component locations.

## SEALED BEAM

## REMOVAL

- (1) Turn the headlight switch ON.
- (2) Open the hood and locate the power distribution center forward of the left front suspension tower (Fig. 1.). Remove the cover.
- (3) Remove the headlamp close relay (Fig. 2) to prevent the headlamp doors from closing.
- (4) Turn the headlight switch OFF.
- (5) Remove screws from headlamp bezel and remove bezel, if equipped.

**Do not disturb the headlamp adjusting screws.**

- (6) Remove screws from interior retaining ring (Fig. 3), and remove ring.

- (7) Separate sealed beam from seat and disconnect wire connector.

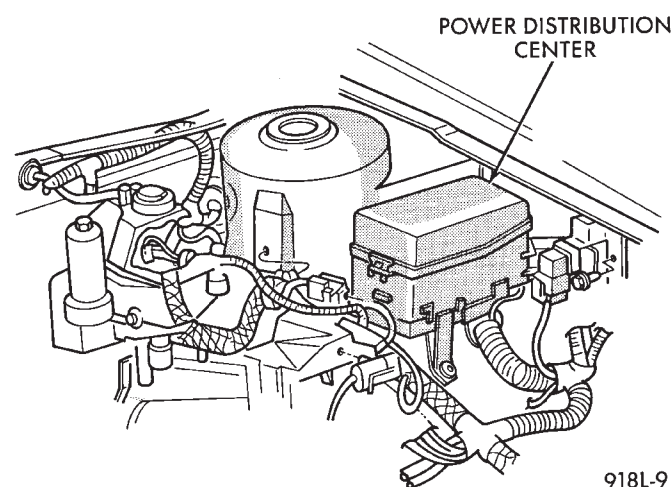
## INSTALLATION

Reverse the preceding operation.

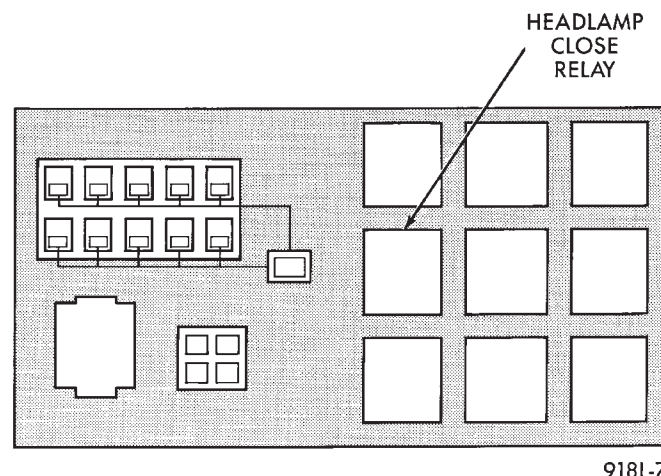
PARK, TURN SIGNAL LAMP OR BULB  
AY/C-P-BODY

## REMOVAL

- (1) Open the headlamp doors.



**Fig. 1 Power Distribution Center**



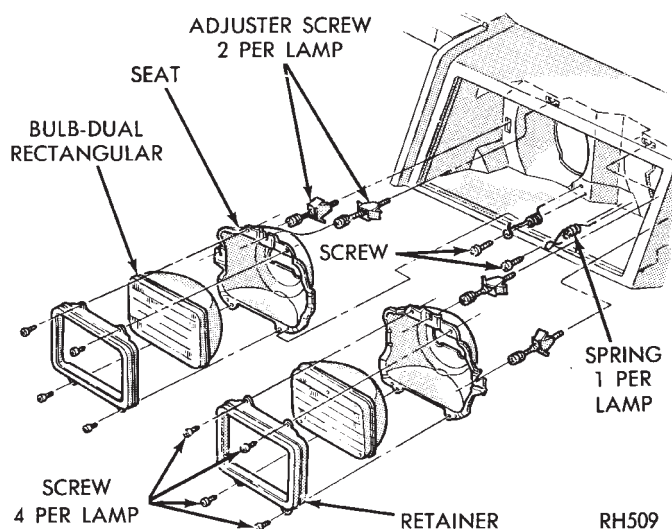
**Fig. 2 Headlamp Close Relay**

- (2) Remove push-in fasteners holding lower park and turn signal lamp shield to grille opening panel (Fig. 4).

- (3) Remove screws holding park and turn signal lamp grille opening panel (Fig. 5).

- (4) Remove sockets from lamp and pull bulbs from sockets if bulbs replacement is required (Fig. 6).

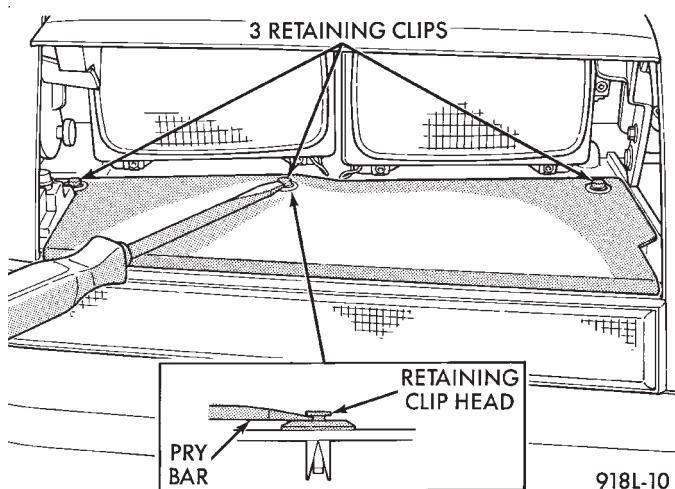




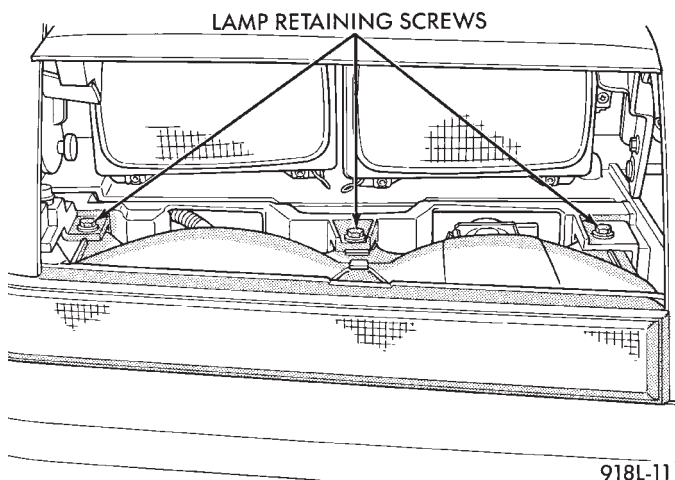
**Fig. 3 Sealed Beam Replacement—Typical**

#### INSTALLATION

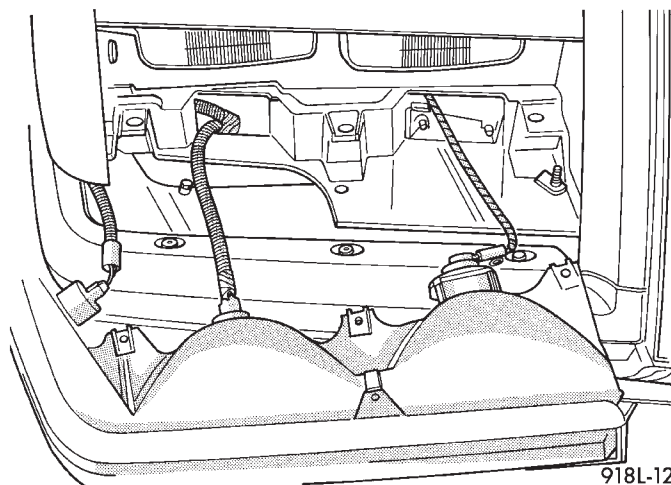
Reverse the preceding operation.



**Fig. 4 Turn Signal Lamp Shield**



**Fig. 5 Turn Signal Lamp Mounting Screws**



**Fig. 6 Turn Signal Lamp**

#### FRONT SIDE MARKER BULB—AY/C-P-BODY

#### REMOVAL

- (1) Raise vehicle.
- (2) Reach over the top of cornering lamp (Fig. 7) and remove bulb/socket (Fig. 8).

#### INSTALLATION

Reverse the preceding operation.

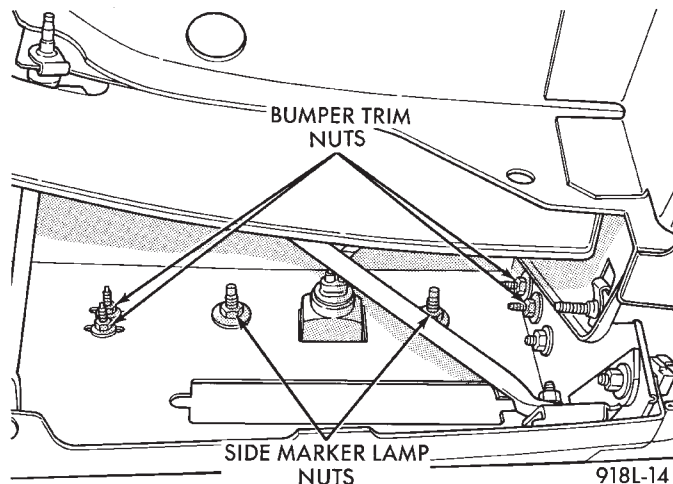
#### FRONT SIDE MARKER LAMP—AY/C-P-BODY

#### REMOVAL (FIG. 7)

- (1) Remove the cornering lamp retaining nuts, and remove cornering lamp.
- (2) Remove the four nuts retaining the bumper trim moulding to the body.
- (3) Remove bumper trim moulding.
- (4) Remove side marker lamp.

#### INSTALLATION

Reverse the preceding operation.



**Fig. 7 Bumper Trim Moulding Nuts — AY/C-P-Body**

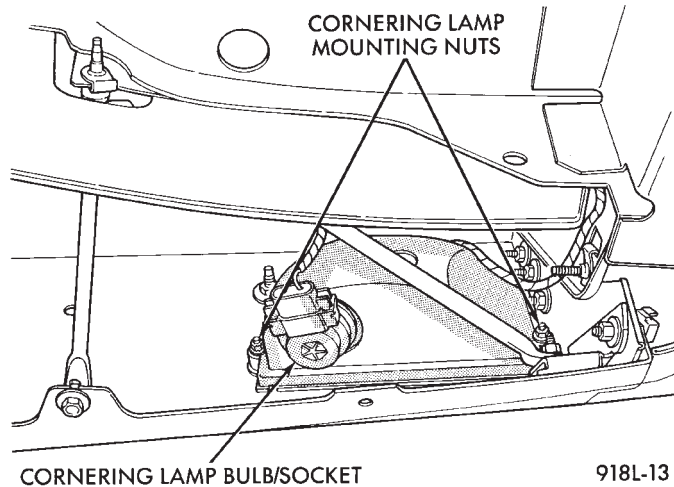
## CORNERING LAMP OR BULB—AY/C-P-BODY

### REMOVAL (FIG. 8)

- (1) Raise vehicle.
- (2) Remove bulb.
- (3) To remove lamp assembly, remove the two retaining nuts.

### INSTALLATION

Reverse the preceding operation.



**Fig. 8 Cornering Lamp—AY/C-P-Body**

## TAIL, STOP, TURN SIGNAL, SIDE MARKER AND BACK-UP LAMP OR BULB—AY/C-P-BODY

### REMOVAL (FIG. 9)

- (1) Open the trunk lid and remove the tail panel trim cover attaching screws and position the trim cover away from the tail panel.
- (2) Disconnect rear end lamp wire connector and push the harness grommet outward through the tail panel.
- (3) Remove rear lamp assembly attaching screws and separate the lamp assembly from the body.
- (4) Remove bulbs from lamp assembly.

### INSTALLATION

Reverse the preceding operation.

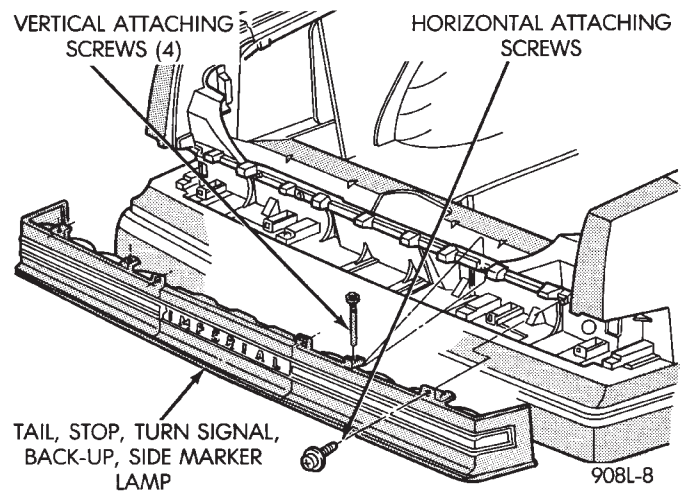
## LICENSE PLATE LAMP OR BULB—AY/C-P-BODY

### REMOVAL

- (1) Remove the two screws retaining the lamp to the bumper guard.
- (2) Remove the bulb from the socket assembly.

### INSTALLATION

Reverse the preceding operation.



**Fig. 9 Rear End Lighting—AY/C-P-Body**

## CENTER HIGH MOUNTED STOP LAMP BULB (CHMSL)

### REMOVAL AND INSTALLATION

- (1) Open deck lid.
- (2) From under the parcel shelf, rotate socket counterclockwise, and pull the CHMSL socket and bulb from the lamp.
- (3) Pull bulb from the socket.

### INSTALLATION

Reverse the preceding operation.

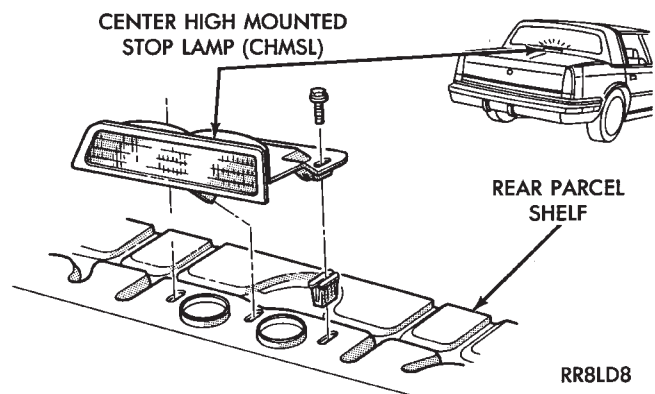
## CENTER HIGH MOUNTED STOP LAMP

### REMOVAL (FIG. 10)

- (1) Remove parcel shelf trim cover. Refer to Group 23, Body.
- (2) Remove two CHMSL attaching screws and separate the lamp from the parcel shelf.

### INSTALLATION

Reverse the preceding operation.



**Fig. 10 Center High Mounted Stop Lamp—Typical**

## EXTERIOR LAMP SYSTEMS

## INDEX

	page		page
Daytime Running Lamp—Canada Only	26	Lamp Outage Module—All Except AA-Body	26
Headlamp Time Delay System	27	Lamp Outage Module	26
Lamp Outage Module—AA-Body	26		

**LAMP OUTAGE SYSTEM**

Diagnostics and component relationships for AC, AG, AJ or AY-Bodies can be found in the Body Diagnostic Procedures Manual, Electronic Vehicle Information Center (EVIC) section.

For circuit and component locations on AA-body, refer to the Wiring Diagrams Manual.

**LAMP OUTAGE MODULE—ALL EXCEPT AA-BODY****REMOVAL**

- (1) Remove battery negative cable.
- (2) Remove the glove box assembly. Refer to Group 8E, Instrument Panel.
- (3) Disconnect the wire connector from the lamp outage module.
- (4) Remove lamp outage module attaching screw and remove the module from the vehicle (Figs. 1, 2 or 3).

**INSTALLATION**

Reverse the preceding operation.

**LAMP OUTAGE MODULE—AA-BODY****REMOVAL (FIG. 1)**

- (1) Remove battery negative cable.
- (2) Disconnect the wire connectors from the lamp outage module.
- (3) Remove screws or clip holding lamp outage module to instrument panel above glove compartment (Fig. 1, 2, or 3).
- (4) Separate lamp outage module from vehicle.

**INSTALLATION**

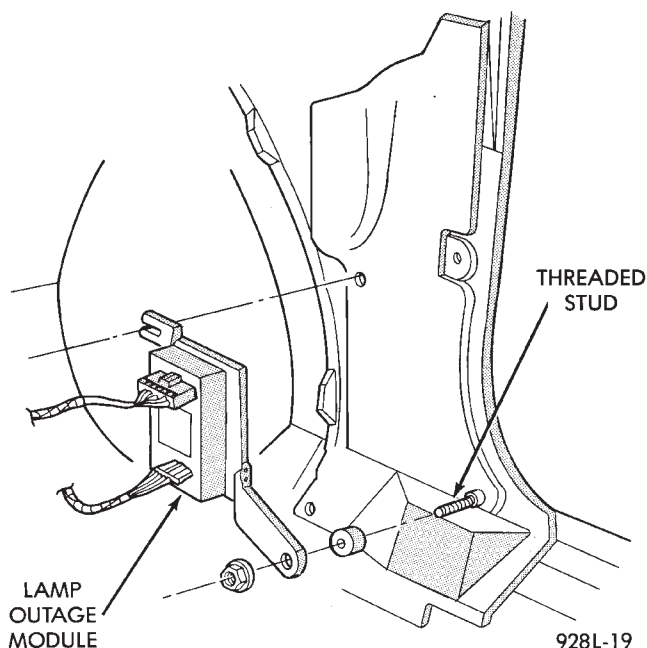
Reverse the preceding operation.

**DAYTIME RUNNING LAMP—CANADA ONLY****DIAGNOSIS**

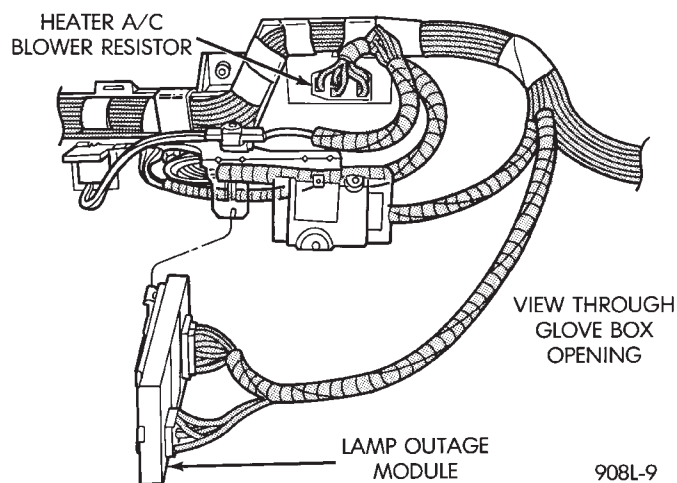
For circuit and component locations refer to the Wiring Diagrams manual.

**REMOVAL (FIG. 4)**

- (1) Remove the left front inner fender shield, if equipped, and disconnect the wire connector from the day time running lamp module.



**Fig. 1 Lamp Outage Module—AA-Body**



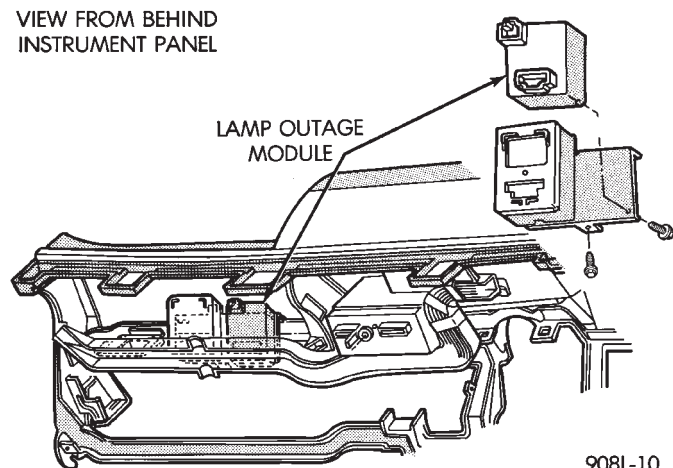
**Fig. 2 Lamp Outage Module—AG and AJ-Body**

- (2) Remove daytime running lamp module attaching screws and separate the module from the inner fender support.

**INSTALLATION**

Reverse the preceding operation.

VIEW FROM BEHIND  
INSTRUMENT PANEL



908L-10

**Fig. 3 Lamp Outage Module—AC and AY-Body**  
**HEADLAMP TIME DELAY SYSTEM**

#### SYSTEM OPERATION

The Body Controller controls the Headlamp Time Delay system, if equipped.

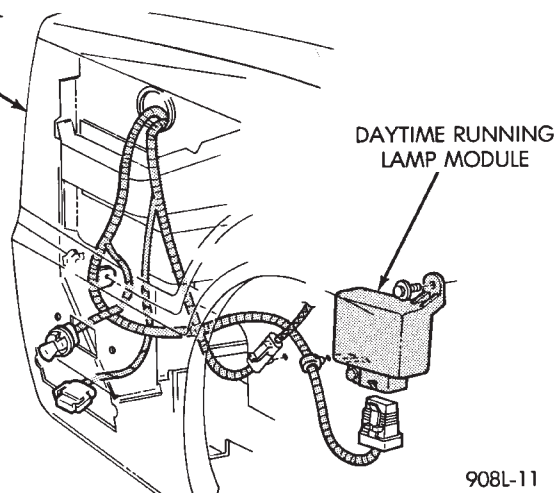
#### OPERATION:

By turning off the ignition switch first then off the headlamp switch, the Body Controller will allow the headlamps to remain ON for 60 seconds before they automatically turn off and the headlamp doors close.

#### DIAGNOSIS

Refer to the Pre-diagnostic Test section of the appropriate Body Diagnostic Procedures service manual.

LEFT FRONT  
FENDER



908L-11

**Fig. 4 Daytime Running Lamp Module—Canada Only**



## CONCEALED HEADLAMPS

## INDEX

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Concealed Headlamp Motor—AC-Body	31	Headlamp Door—AY Body	33
Diagnostic Procedures	28	Headlamp Doors—AJ-Body	31
General Information	28	Headlamp Drive Motor—AJ-Body	32
Headlamp Door—AC-Body	31	Headlamp Drive Motor—AY Body	34

## GENERAL INFORMATION

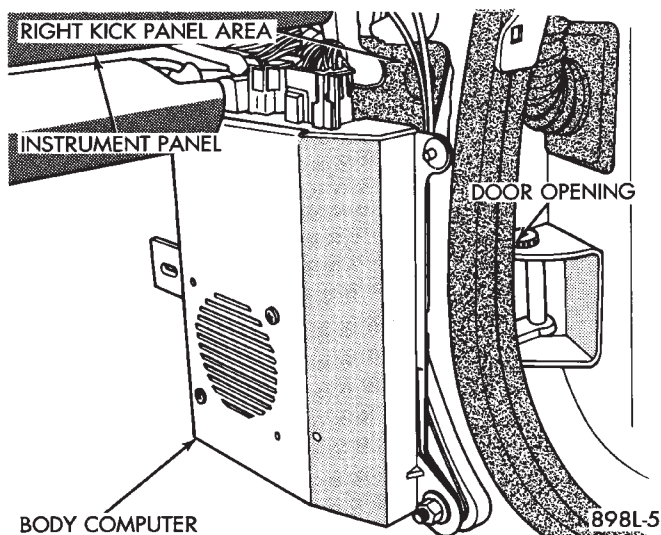
For proper operation of the Concealed Headlamp System, refer to the Owner's Manual provided with the vehicle.

The Concealed Headlamps are controlled by the Body Controller (Fig 1). Refer to Group 8E, Instrument Panel for service procedures. The body Controller receives input information from the ignition switch, headlamp switch, and the headlamp dimmer switch.

The Body Controller also controls the headlamp doors when the Passing Lights (manually flashing bright lights) are used. With the headlamp switch turned off, actuating the headlamp dimmer switch will signal the Body Controller to open the headlamp doors. The operator then has two seconds to flash the bright lights before the Body Controller closes the headlamp doors. Holding the headlamp dimmer switch in the engaged position will signal the Body Controller to keep the headlamp doors open until the dimmer switch is released. Actuating the headlamp dimmer switch with the parking lamps ON signals the Body Controller to open the headlamp doors and keep them open until the headlamp switch is turned off.

AY, AC and AJ Bodies use a single motor, centrally located behind the radiator grille, and linked to the headlamp doors by a torsion bar. Refer to Service Procedures for more information.

The headlamp door drive motors are equipped with a manual override hand wheel to open or close the headlamp doors if a failure should occur or servicing is required. Access to the handwheel can be gained through a flap covered hole in the sight shield behind the bumper fascia, and under the hood. Several revolutions of the handwheel may be required to move the headlamp doors.



**Fig. 1 Body Controller**

## DIAGNOSTIC PROCEDURES

Before diagnosing a problem with the headlamp doors, check for possible collision damage, binding, improperly installed assemblies, or freezing weather conditions.

When diagnosing an electrical problem, refer to:

- The Concealed Headlamps Electrical Diagnosis chart in this section.
- The Wiring Diagrams Manual.
- The Headlamp Doors system section of the appropriate Body Diagnostic Procedures Manual.

## PROBLEM

One headlamp door is inoperative when the headlamp switch is ON and the ignition switch is in the RUN position. The other headlamp door operates normally.



**AJ-BODY CHECK:**

- Wire connectors at any of the junction connectors forward of the engine compartment dash panel.
- Headlamp door crank link arm. Disconnected or broken.
- For mechanical failure, corroded or mis-aligned assemblies, or sub-freezing weather conditions.

**AC OR AY-BODY CHECK:**

- Headlamp door pivot and crank for seizure.
- Headlamp torsion bar sleeve or clip for excessive wear or breakage.
- Headlamp door crank for missing or broken screw.
- Headlamp torsion bar for disengagement or breakage.

*PROBLEM*

Headlamp door operates erratically.

**CHECK:**

- For freezing weather conditions.
- For excessive effort to move headlamp door pivots.

- For corrosion or improperly aligned components.
- For stripped motor reduction gears.
- For defective body controller. Refer to the Concealed Headlamp Electrical Diagnosis chart in this section. Also refer to the Wiring Diagrams Manual and Body Diagnostic Procedures Manual.

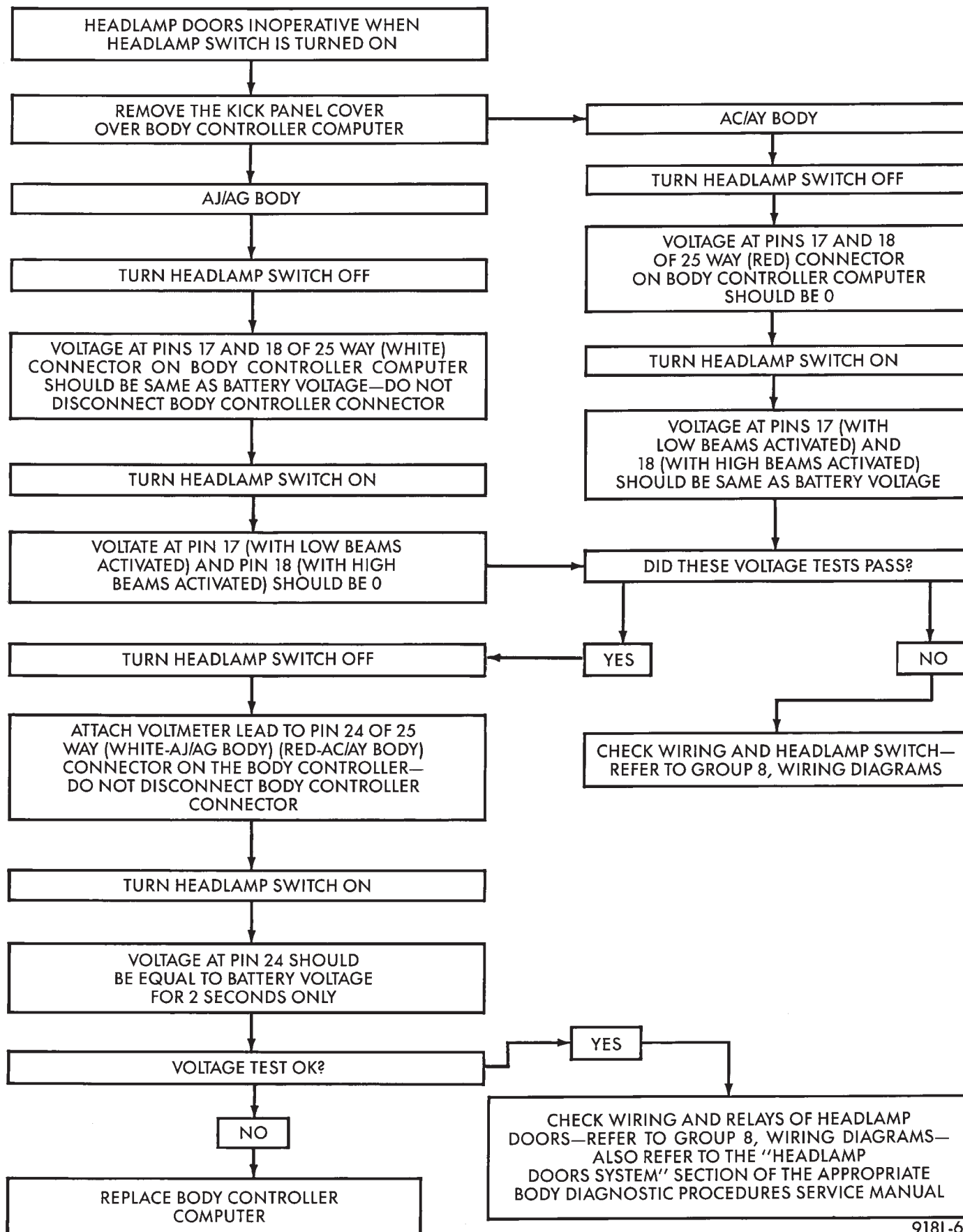
*PROBLEM*

Headlamp door or doors fit poorly, rattle, or bang when coming open or closed.

**CHECK:**

- Headlamp door fascia mounting bracket or adjustable stops for improper alignment.
- Headlamp door pivot brackets or door/crank lateral adjustment for improperly aligned collar.
- For missing or worn pivot bushings.
- For defective motor.

## CONCEALED HEADLAMPS—ELECTRICAL DIAGNOSIS



## HEADLAMP DOOR—AC-BODY

### REMOVAL (FIG. 2)

- (1) Remove the grille. Refer to Group 23, Body.
- (2) Remove the front bumper assembly. Refer to Group 23, Body.
- (3) Loosen and separate the grille opening panel from the front fender on the side of the vehicle affected. Refer to Group 23, Body.
- (4) Compress torsion bar retainer clip tabs together and slide the retainer toward the center of the vehicle. Separate the torsion bar from the door crank on the side of the vehicle affected.
- (5) Remove headlamp door side trim covers and lower trim covers.
- (6) Remove outer pivot screw, door crank screw, and loosen the door (lateral) adjustment collar.
- (7) Remove the door crank from the door and adjustment collar.
- (8) Lower the door from under the grille opening panel and remove the door from the vehicle.

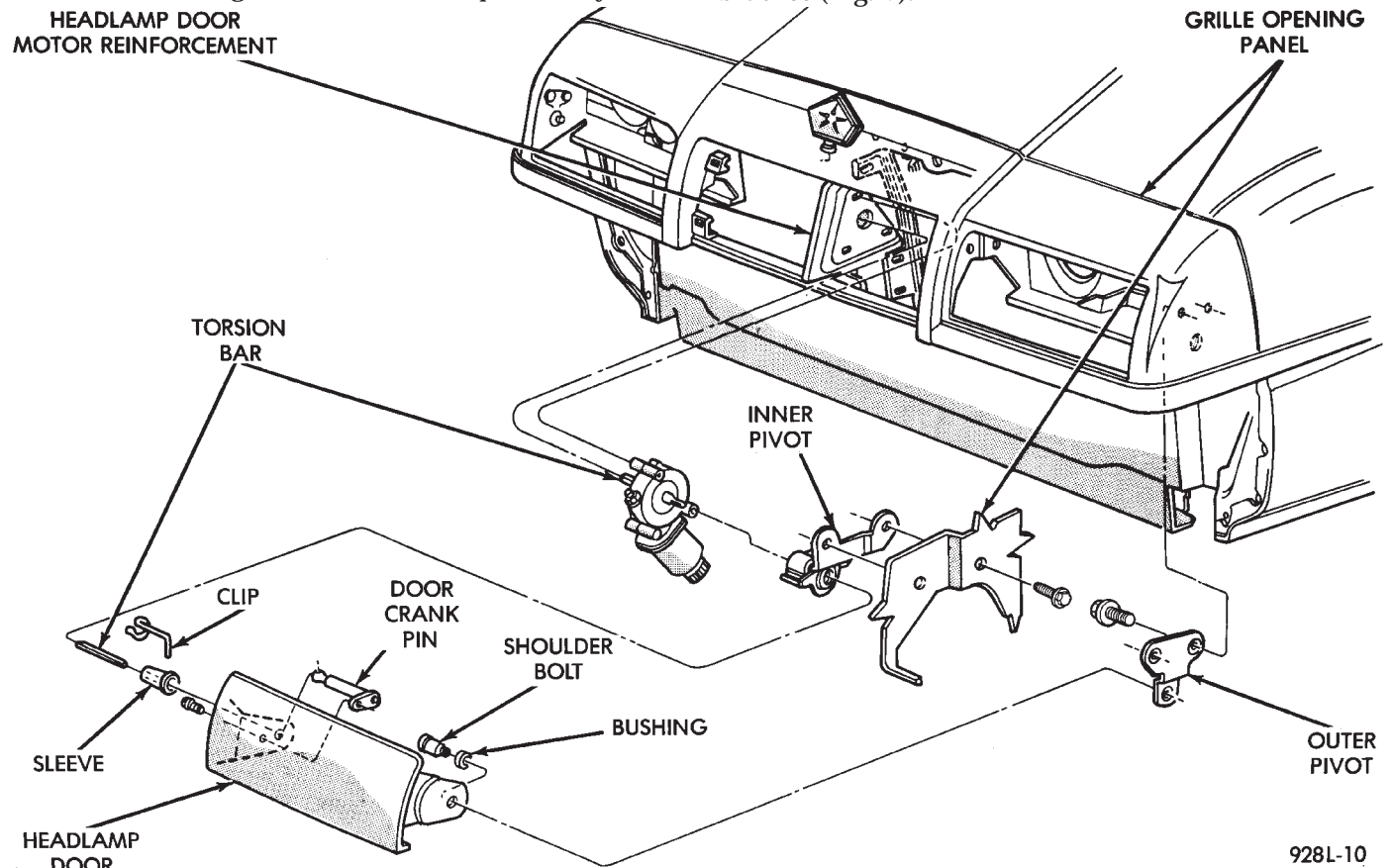
### INSTALLATION

Reverse the preceding operation.

## CONCEALED HEADLAMP MOTOR—AC-BODY

### REMOVAL (FIG. 2)

- (1) Remove the grille. Refer to Group 23, Body.



- (2) Compress torsion bar retainers and slide them toward the center of the vehicle. Separate the torsion bar from the door cranks.

- (3) Disconnect the headlamp door drive motor wire connector. Remove three motor attaching bolts and separate the drive motor and torsion bar from the vehicle.

### INSTALLATION

Reverse the preceding operation.

## HEADLAMP DOORS—AJ-BODY

### REMOVAL

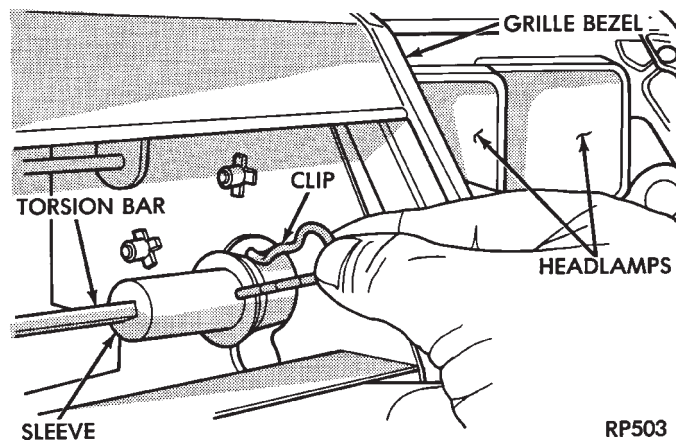
- (1) Remove the radiator grille from the grille bezel. Refer to Group 23, Body.
- (2) Remove the retaining clip from the torsion bar coupling sleeve (Fig. 3).
- (3) Slide the coupling sleeve from the door crank and loosen the door adjustment collar set screw (Fig. 4).
- (4) Remove the door crank attaching screw. Screw is located in the (keyhole shaped) access hole below the adjustment collar when the headlamp door is open (Fig. 5).
- (5) Remove the door crank from the pivot bushing (Fig. 6).
- (6) Remove the pivot screw from the outside pivot bracket (Fig. 7).

Fig. 2 Concealed headlamps—AC-body

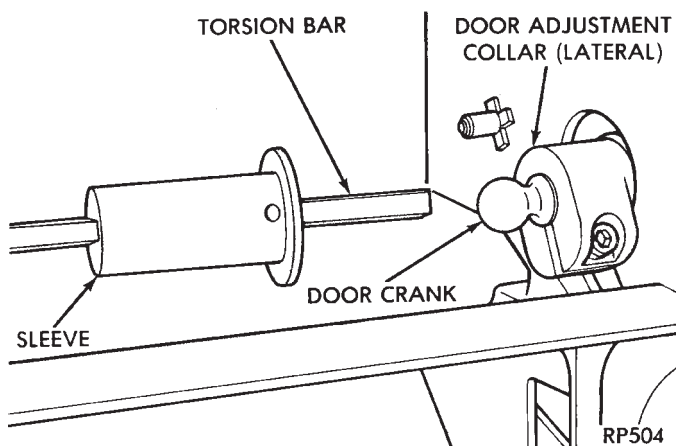
(7) Position the outside end of the headlamp door under the fascia support. Lift the inside end of the door to clear the fascia opening. Remove the headlamp door from the vehicle (Fig. 8).

#### INSTALLATION

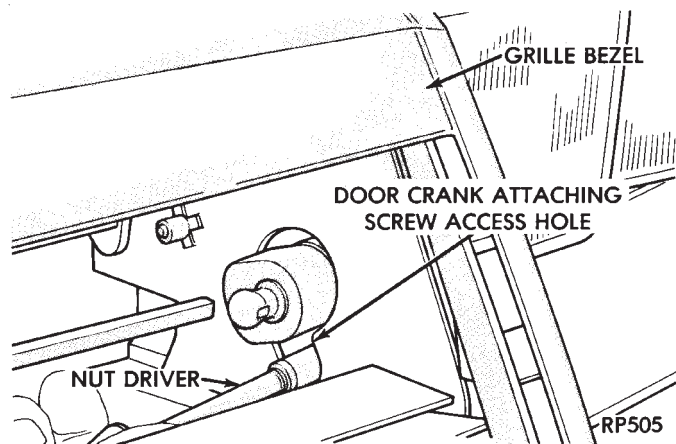
Reverse the preceding operation.



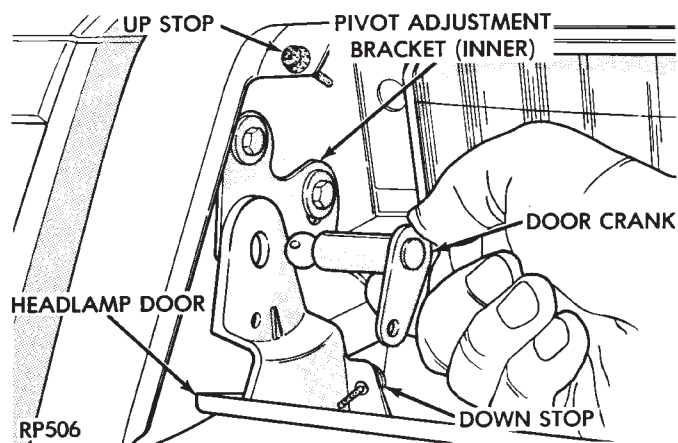
**Fig. 3 Torsion Bar Sleeve Clips**



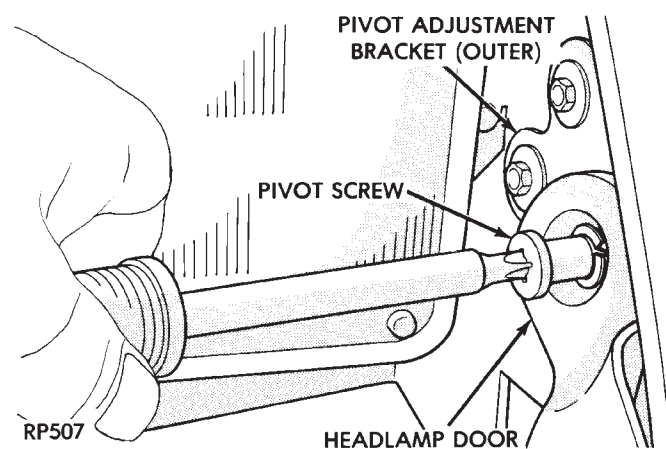
**Fig. 4 Door Adjustment Collar**



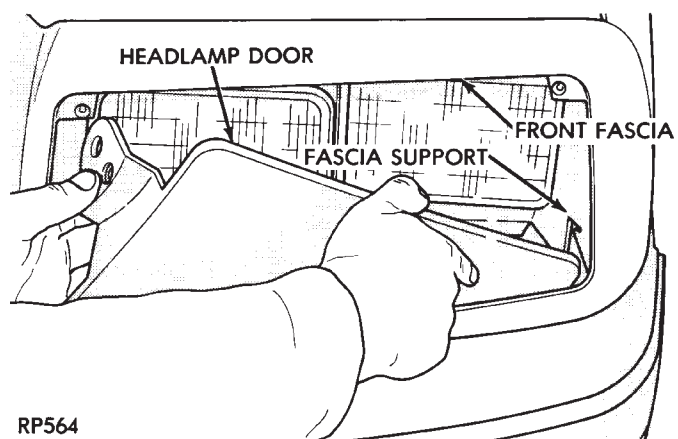
**Fig. 5 Door Crank Screw**



**Fig. 6 Door Crank**



**Fig. 7 Outside Pivot Screw**



**Fig. 8 Headlamp Door**  
**HEADLAMP DRIVE MOTOR—AJ-BODY**

#### REMOVAL

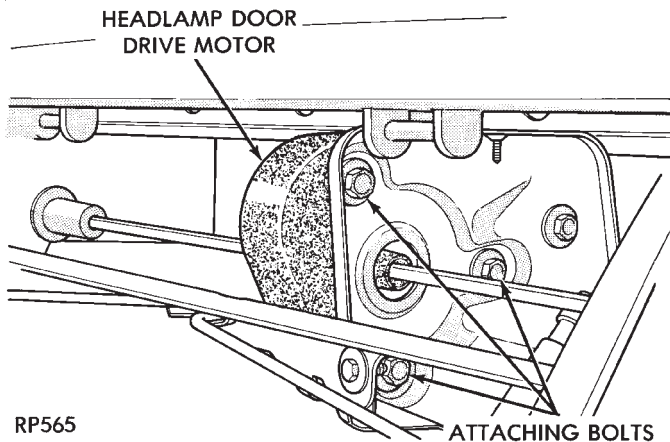
- (1) Refer to Headlamp Door Removal operation steps 1 and 2.
- (2) Disconnect the two pin wire connectors and remove three attaching bolts (Fig. 9).



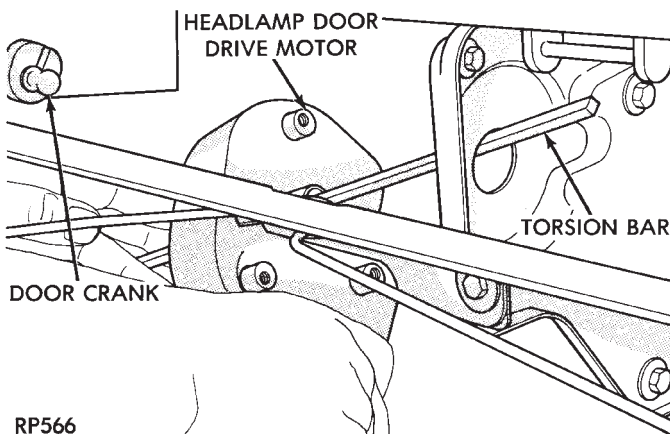
(3) Tip the torsion bar and drive motor assembly to the right side of the vehicle and slide the torsion bar out of the motor. Remove the drive motor from the vehicle (Fig. 10).

#### INSTALLATION

Reverse the preceding operation.



**Fig. 9 Torsion Bar and Motor Bolts**



**Fig. 10 Concealed Headlamp Drive Motor**

#### HEADLAMP DOOR—AY BODY

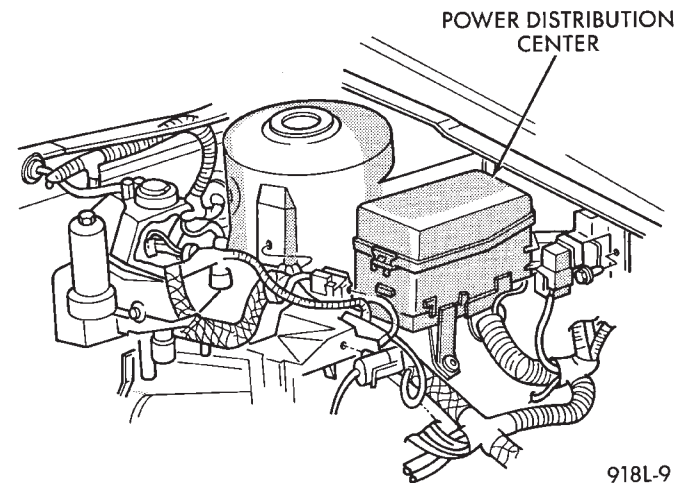
##### REMOVAL

- (1) Turn headlight switch ON.
- (2) Open hood and locate Power Distribution Center forward of the left suspension tower (Fig. 11).
- (3) Remove cover from the center and pull the Headlamp Close Relay (Fig. 12) to keep the headlamp doors from closing.
- (4) Turn headlight switch OFF.
- (5) Remove two grill mounting screws and remove grill assembly (Fig. 13).
- (6) Spring tension must be relieved from the headlamp doors before removing headlamp motor torsion bar clips. Locate the thumb wheel on bottom of headlamp motor (Fig. 14). Rotate thumb wheel approximately six to seven turns clockwise to relieve all tension.

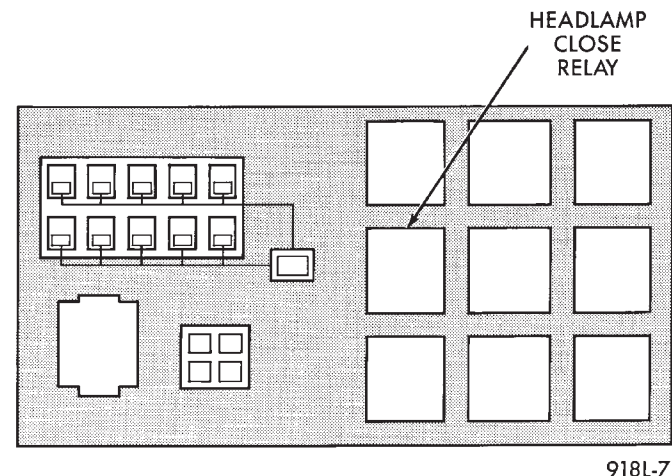
- (7) Remove torsion bar anchor clip (Fig. 15).
- (8) Slide torsion bar sleeve over the torsion bar (Fig. 16).
- (9) Remove three clips retaining turn signal lamp shield to body (Fig. 17), and remove shield.
- (10) Remove two screws retaining headlamp cover to headlamp cover bracket (Fig. 18).
- (11) Remove outer headlamp.
- (12) Remove outer pivot screw (Fig. 19).
- (13) Remove E-clip and door crank screw (Fig. 20).
- (14) Remove three bolts retaining cam pivot to body and remove cam pivot (Fig. 19).
- (15) Remove Headlamp door assembly.

#### INSTALLATION

Reverse the preceding operation. Before installing torsion bar clips, the holes in the torsion bars, torsion bar sleeves and headlamp door cam pivots must be in alignment. Refer to Aligning Headlamp Doors.



**Fig. 11 Power Distribution Center**



**Fig. 12 Headlamp Close Relay**

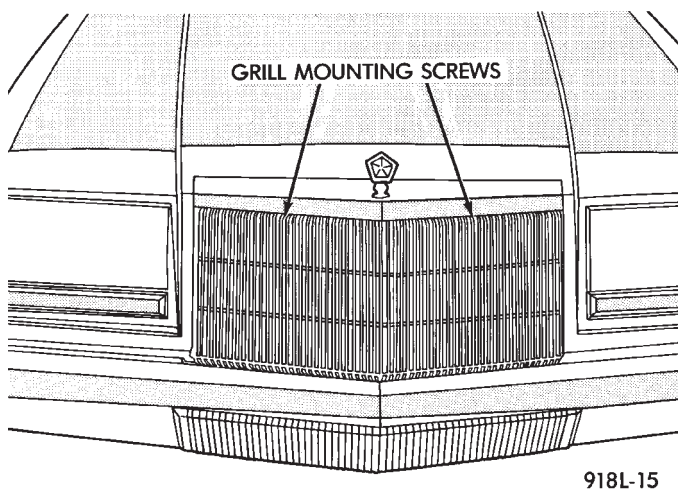


Fig. 13 Grille

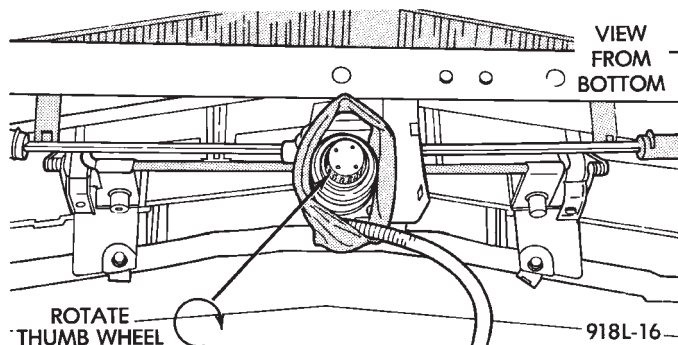


Fig. 14 Headlamp Motor—Bottom View

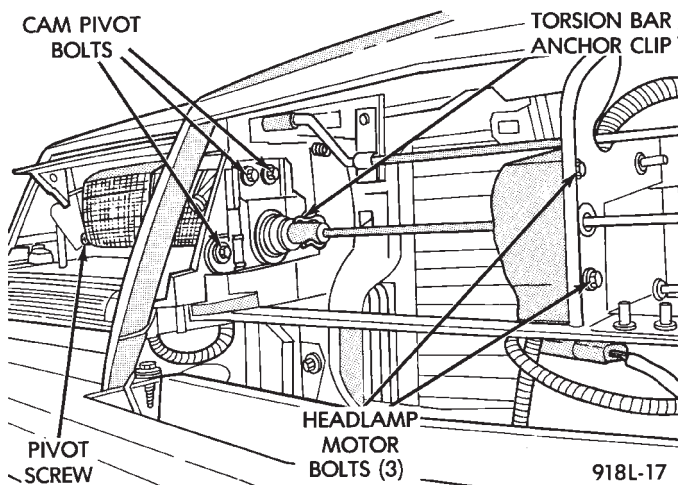


Fig. 15 Torsion Bar Anchor Clips

## HEADLAMP DRIVE MOTOR—AY BODY

## REMOVAL

- (1) Open headlamp doors. Refer to Headlamp Door paragraph for instructions.
- (2) Remove two grille mounting screws and remove grille assembly (Fig. 13).

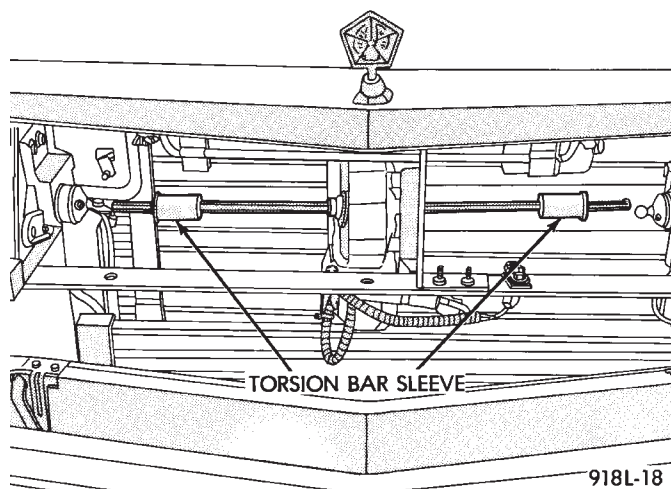


Fig. 16 Torsion Bar Sleeves

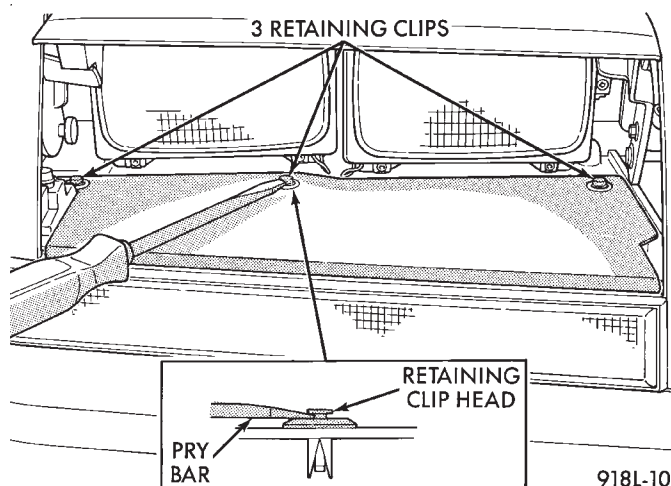


Fig. 17 Front Turn Signal Lamp Shield

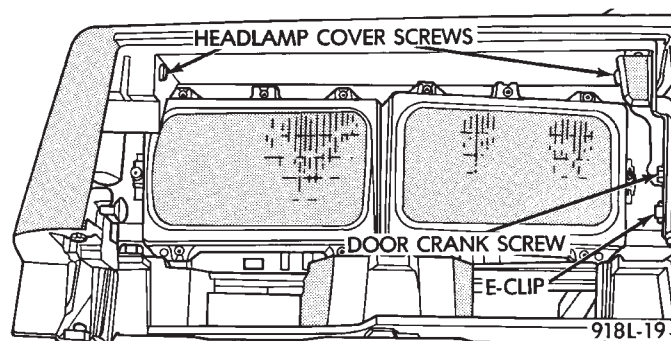
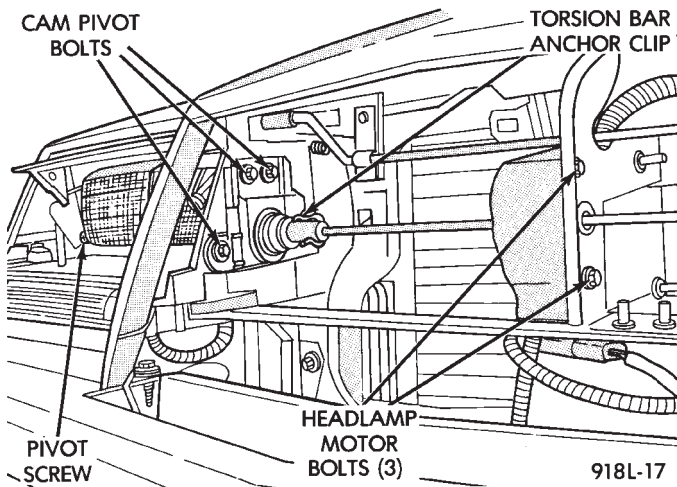
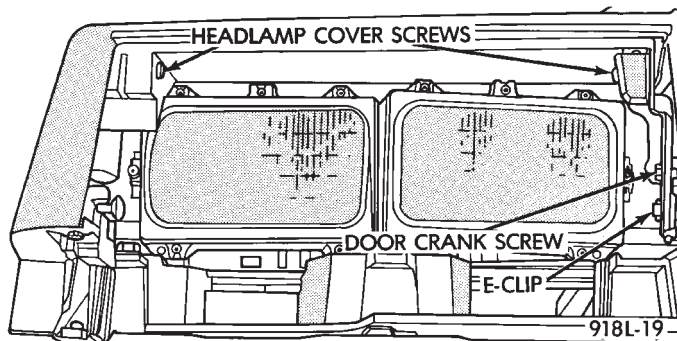


Fig. 18 Headlamp Cover/Cover Pivot Bracket

- (3) Spring tension must be relieved from headlamp doors before removing the headlamp motor torsion bar clips. Locate the thumb wheel on bottom of the headlamp motor (Fig. 14). Rotate thumb wheel approximately six to seven turns (clockwise) to relieve all tension.
- (4) Remove both torsion bar anchor clips (Fig. 15).



**Fig. 19 Outer Pivot Screw**

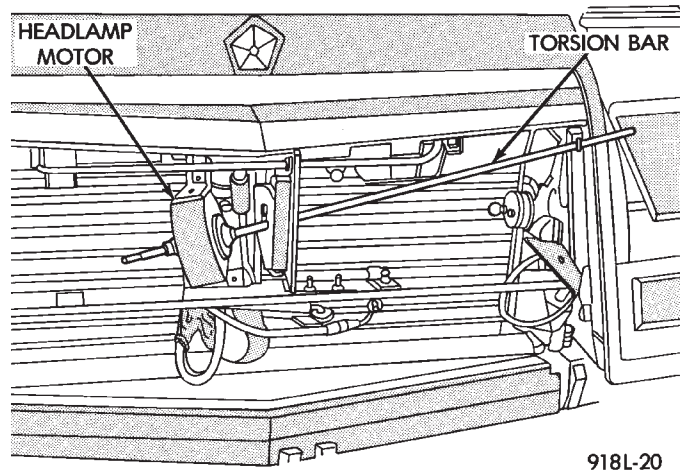


**Fig. 20 Headlamp Pivot E-Clip and Crank Screw**

- (5) Slide torsion bar sleeves over the torsion bar (Fig. 16).
- (6) Disconnect wire connector from motor.
- (7) Remove motor mounting bolts (Fig. 19).
- (8) Slide torsion bar through the headlamp motor (Fig. 21) and remove headlamp motor.

#### INSTALLATION

Reverse the preceding operation. Before installing torsion bar clips, the holes in the torsion bars, torsion bar sleeves and headlamp door cam pivots must be in alignment.

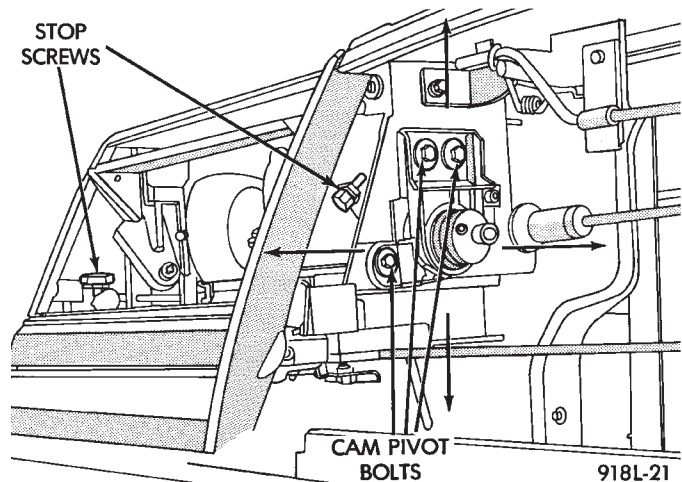


**Fig. 21 Headlamp Motor**

#### HEADLAMP DOOR ALIGNMENT

Door stop adjustment screws, and a movable cam pivot are used to adjust and align the headlamp doors.

Loosening the cam pivot bolts (Fig. 19) will allow an up/down or in/out adjustment of the headlamp doors.



**Fig. 23 Cam Pivot Adjustment**

The stop screws (Fig. 22) are also used to achieve proper tolerances.



## ILLUMINATED ENTRY SYSTEM

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	page		page
Body Controller Computer—AC, AG, AJ and AY-Body .....	41	Diagnostic Procedures—AC, AG, AJ and AY-Body ..	39
Diagnostic Procedures—AA-Body .....	37	General Information .....	36
		Illuminated Entry Module—AA-Body .....	41

## GENERAL INFORMATION

## AA-BODY

The Illuminated Entry System (on AA Body) actuates the interior courtesy and/or dome lamps (except for the illuminated ignition switch) by lifting either front door exterior handle.

Lamp illumination is terminated 35 seconds ( $\pm 8$  seconds later when battery voltage is normal), or by turning the ignition switch to the run position, whichever occurs first. When testing the system, all vehicle doors must be closed to prevent the door jam switches from activating the courtesy/dome lamps.

Front door handle switches (Fig. 1), and the Illuminated Entry Module (located behind and above the glove box (Fig. 2) are used to control the system.

Depending on vehicle options, as many as six different electrical components/relays are located above the glove box. The Illuminated Entry Module will be the one mounted closest to the outside of the instrument panel. The Module bracket is also used to commonly mount the Power Door Lock Inhibitor Relay, if equipped.

Service procedures for door related components can be found in Group 23, Body.

## AC, AG, AJ OR AY BODY

The Illuminated Entry System (AC, AG, AJ or AY Body) actuates the interior courtesy and/or dome lamps (except illuminated ignition switch) by lifting either front door exterior handle. Activation can also be accomplished with the remote keyless entry systems hand held module, if equipped.

Lamp illumination is terminated 30 seconds ( $\pm 2$  seconds) later, or by turning the ignition switch to the run position, whichever occurs first. When testing this system, all vehicle doors must be closed to prevent the operation of the courtesy/dome lamps.

Front door handle switches (Fig. 1), and the Body Controller (Fig. 3) are used to control the system.

Service procedures for door related components can be found in Group 23, Body.

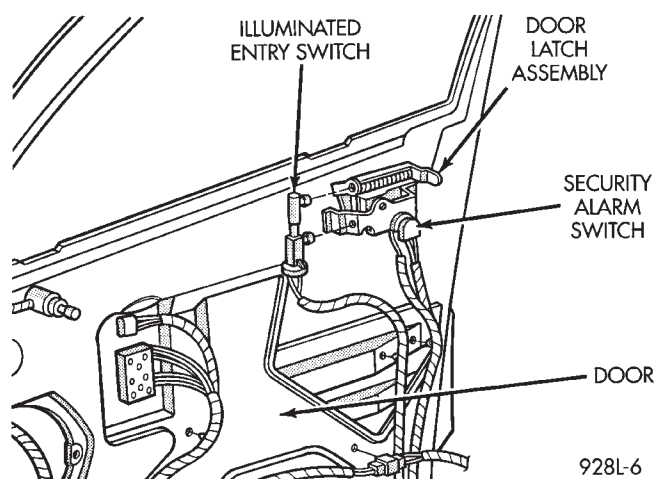


Fig. 1 Illuminated Entry Door Switches—Typical

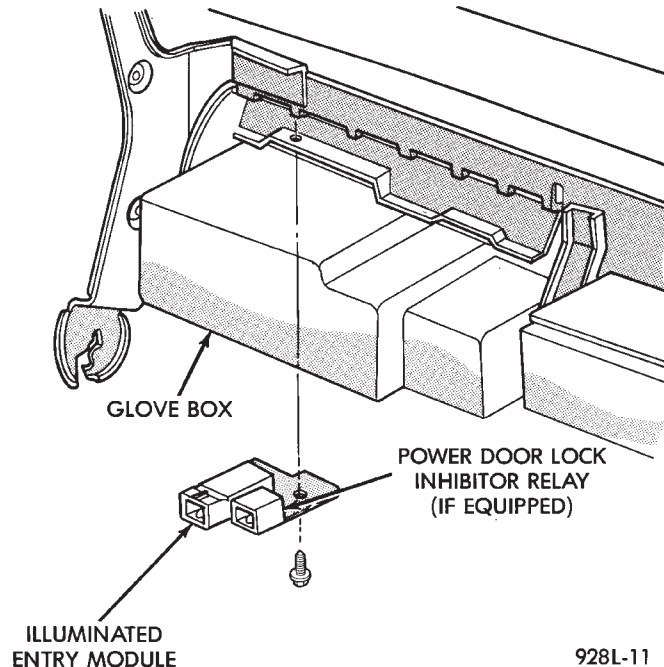
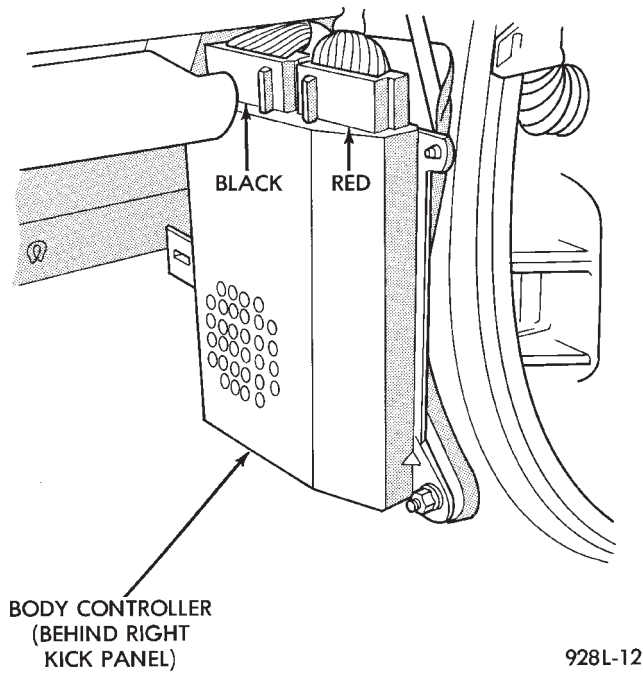


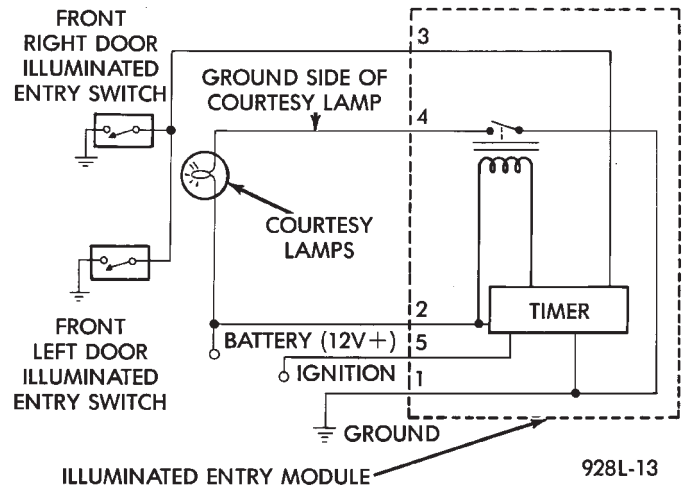
Fig. 2 Illuminated Entry Module—AA Body





**Fig. 3 Body Controller**

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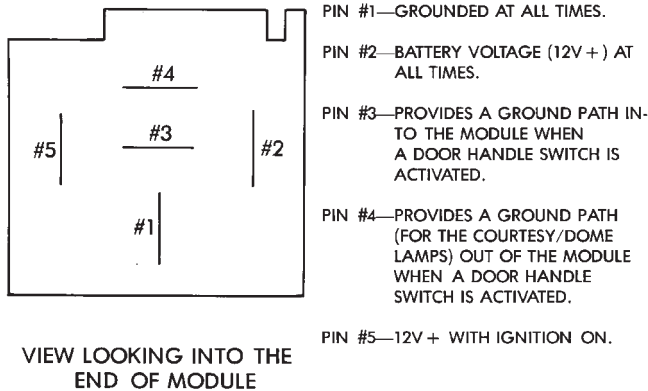


**Fig. 4 Illuminated Entry Circuit Wiring—AA-Body**

### DIAGNOSTIC PROCEDURES—AA-BODY

For diagnostics and wiring schematics, refer to:

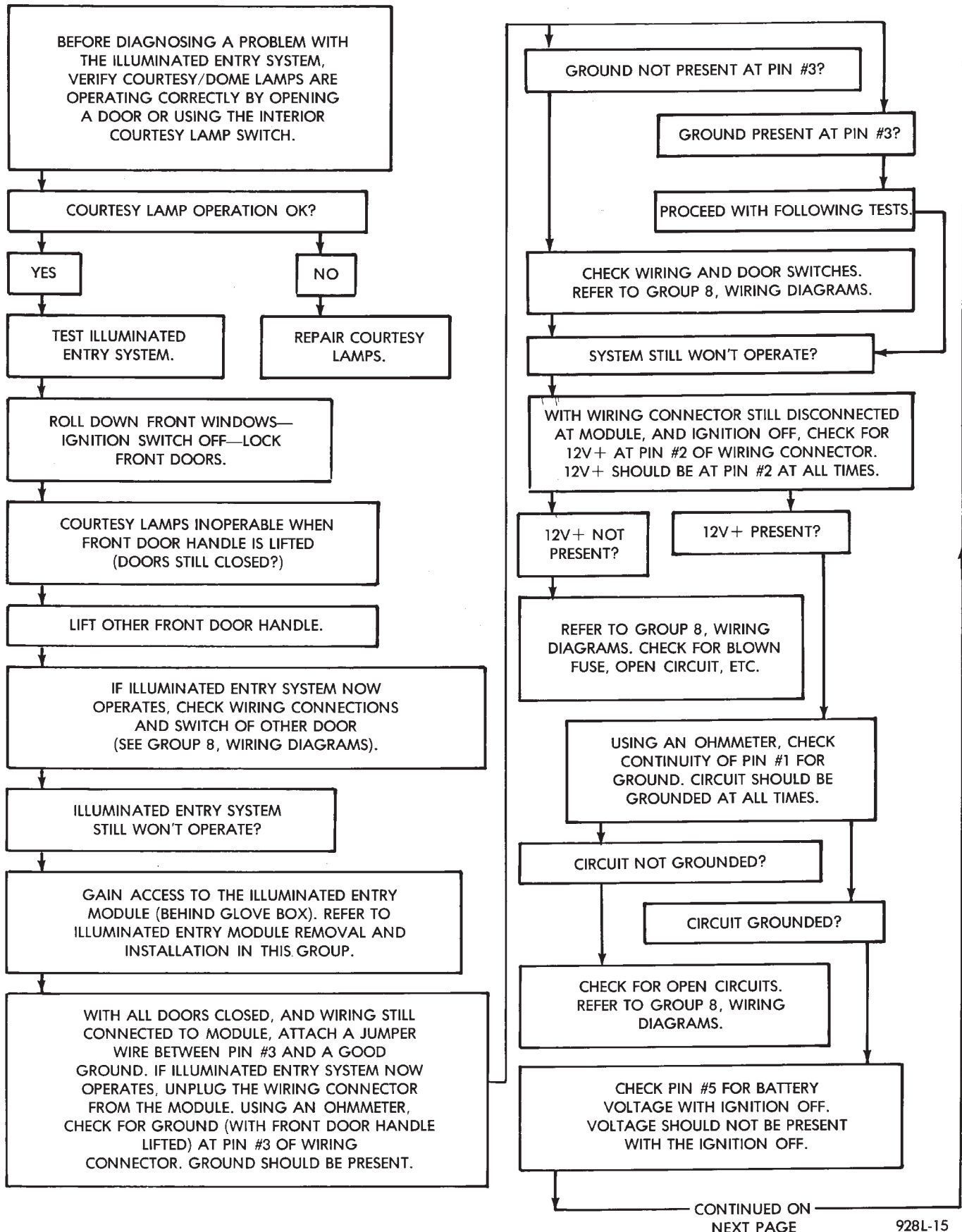
- The Illuminated Entry Diagnosis—AA-Body chart in this section.
- The Wiring Diagrams Manual.
- Fig. 4 and 5.



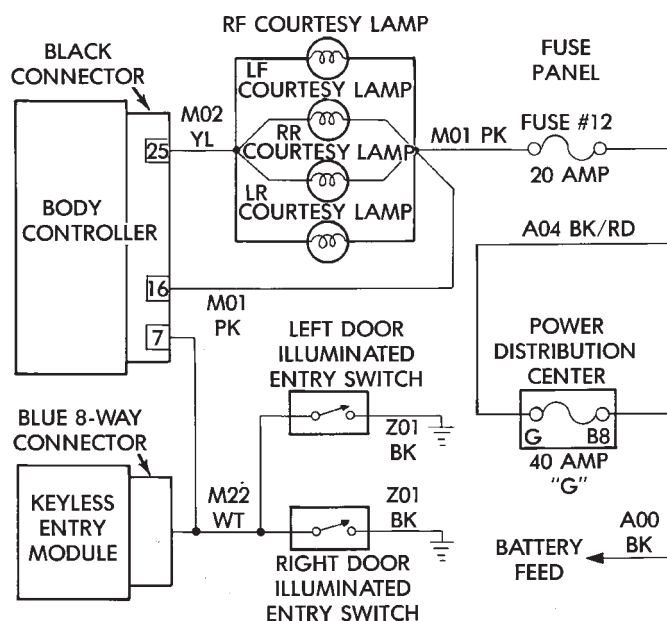
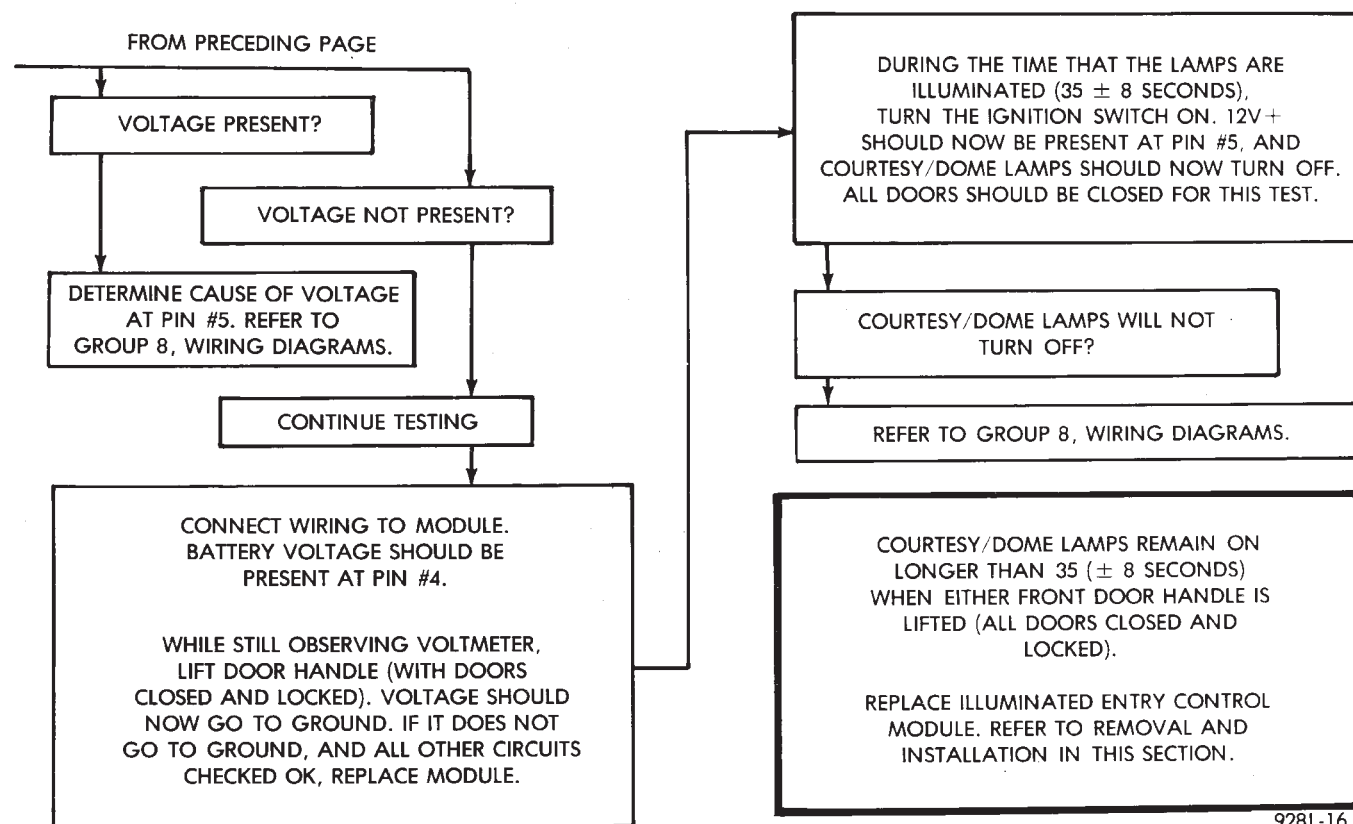
**Fig. 5 Module Pin Outs—AA-Body**

928L-14

## ILLUMINATED ENTRY DIAGNOSIS—AA-BODY



## ILLUMINATED ENTRY DIAGNOSIS (CONT.)—AA-BODY



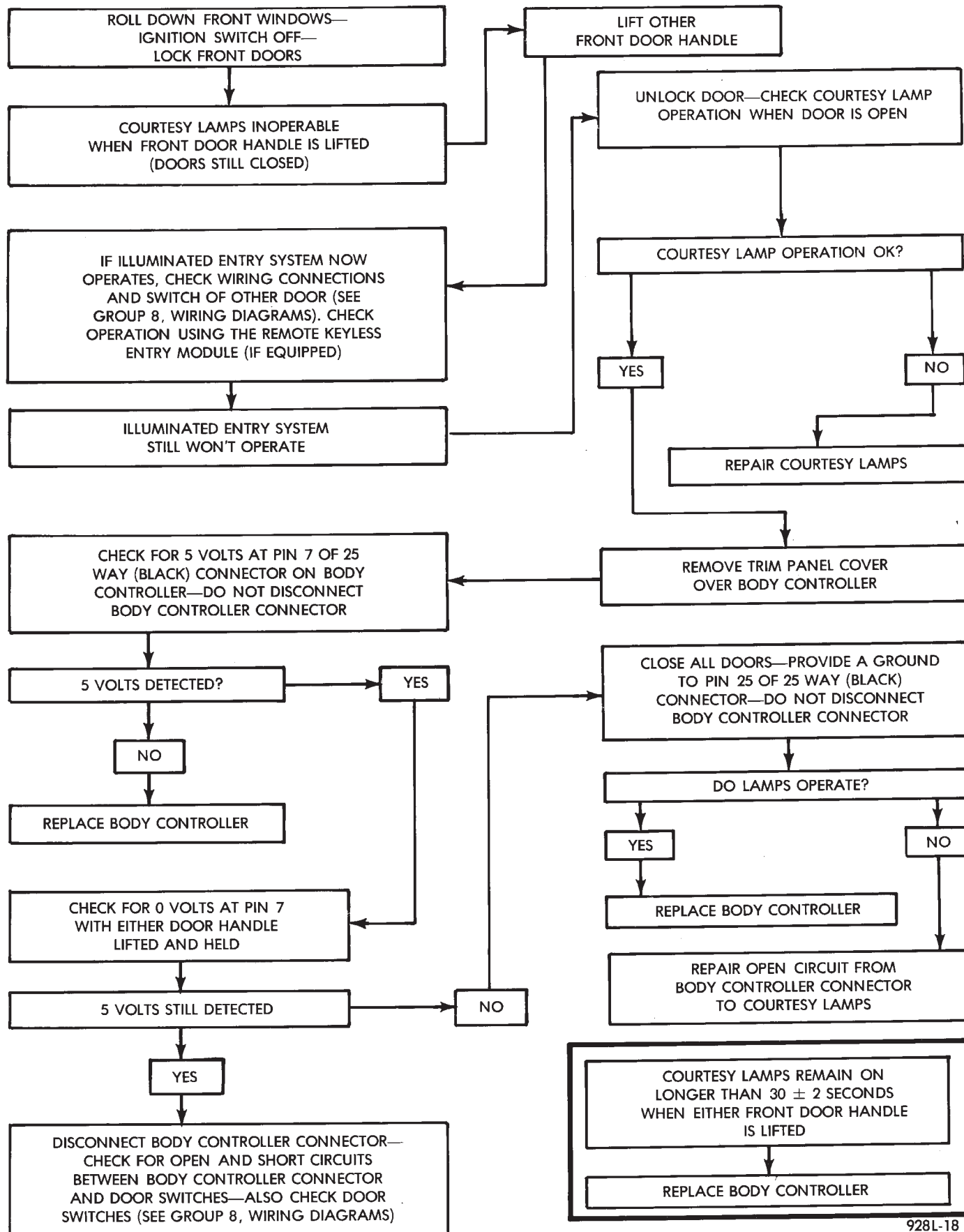
## DIAGNOSTIC PROCEDURES—AC, AG, AJ AND AY-BODY

For diagnostics and wiring schematics, refer to:

- The Illuminated Entry Diagnosis—AC, AG, AJ and AY-BODY chart in this section.
- The Illuminated Entry System section of the appropriate Body Diagnostic Procedures Manual.
- The Wiring Diagrams Manual.

Fig. 6 Illuminated Entry Circuit Wiring—AC, AG, AJ and AY-Body—Typical

## ILLUMINATED ENTRY DIAGNOSIS—AC, AG, AJ AND AY-BODY





## ILLUMINATED ENTRY MODULE—AA-BODY

### REMOVAL

- (1) Disconnect the battery negative cable.
- (2) Remove the glove box to gain access to the module (Fig. 2). Refer to Group 8E, Instrument Panel and Gauges.
- (3) Working through the glove box opening, disconnect the wiring connector at the module.
- (4) Remove the module bracket mounting screw.
- (5) Remove the module bracket from the vehicle.

### INSTALLATION

Reverse the preceding operation.

## BODY CONTROLLER COMPUTER—AC, AG, AJ and AY-BODY

### REMOVAL

The Body Controller Computer is located at the right front door opening behind the cowl trim panel (Fig. 3).

(1) Remove the battery negative cable before removing the Body Controller.

(2) Remove screws holding cowl trim and door opening scuff plate to cowl panel.

(3) Disconnect wire connectors from body controller.

(4) Remove nuts holding body controller to cowl panel.

(5) Separate body controller from vehicle.

### INSTALLATION

Reverse the preceding operation.

## BULB APPLICATION TABLE

### GENERAL INFORMATION

The following Bulb Application Table lists the lamp title in bold print on the left side of the column. The vehicle family and model codes are listed under the lamp title. The trade number or part number is listed on the right side of the column.

**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.

### EXTERIOR LAMPS

#### Back-up

AY/C-P .....921

AA/D-A, AC/C, AY/C-S .....922

AA/P-P-C, AJ/C, AP/D-P .....1156

AA/P-H, AC/D, AG/V, AY/C-P .....3157

#### Center High Mounted Stop

AA .....921

AC, AG, AJ, AY, AP .....922

#### Cornering

AA, AY .....3157

#### Fog

AP/D .....GE893

AA, AG, AP/P .....H3

#### Front Side Marker

AA/P-H, AA/D, AC, AJ, AP, AY-S .....168

AA/P-PX, AA/C, AY-P .....194NA

#### Front Side Marker/Turn Sig.

AG .....3157NA

#### Headlamp/Aero

AG-High Beam .....9005

AG-Low beam .....9006

AA, AC/D, AP .....9004

#### Headlamp/Sealed Low Beam

AC/C, AY .....H4703

AJ .....HP4656

#### Headlamp/Sealed High Beam

AC/C, AY .....H4701

AJ .....HP4651

#### License Plate

AA, AC/C, AG, AJ, AP, AY/C-S .....168

AC/D, AY/C-P .....194

#### Park/Turn Signal

AC/C-D, AY/C-P, AY/C-S .....3157NA

AA/P-X-C, AC/C, AG, AY/C-P, AY/C-S .....194NA

AA/P-H-D .....3157

AJ, AP .....2057

#### Rear Side Marker

AC/C, AG, AJ, AY/C-S-P .....168

AA/P-C-D, AC/D, AP, AY/CS (opt.) .....916

#### Tail

AG .....168

AJ, AY/C-P .....916

#### Tail Reflector

AY .....168

#### Tail/Stop/Turn Signal

AP .....2057

AG .....3057

AA, AC, AJ, AY .....3157



## INTERIOR LAMPS

Some components have lamps that can only be serviced by a Authorized Service Center (ASC) after the component is removed from the vehicle. Contact local dealer for location of nearest ASC. Chrysler vehicles are equipped with a mechanical instrument cluster (MIC) or an optional electronic instrument cluster (EIC). If a bulb is unique to the MIC or EIC the acronym will follow the title.

### INDICATOR LAMPS

Service procedures for the indicator lamps in the instrument cluster are located in Group 8E, Instrument Panel and Gauges.

#### Air Bag (MIC)

AC, AY .....103  
AA, AG, AJ, AP .....PC194

#### Antilock (MIC)

AA .....103  
AC, AG, AJ, AP, AY .....PC194

#### Antilock (EIC)

AA, AY .....PC194  
AJ .....103

#### Brake (MIC)

AA .....103  
AC, AG, AJ, AP, AY .....PC194

#### Brake (EIC)

.....PC194  
AJ .....103

#### Check Engine (MIC)

AA .....103  
AC, AG, AJ, AP, AY .....PC194

#### Check Engine (EIC)

AA, AY .....PC194  
AJ .....103

#### Check Gauges

All .....PC194

#### Door Open

AA, AC, AY .....74  
AP .....161

AG, AJ .....4437661

#### Fog Lamp (MIC)

AG .....PC194

#### High Beam (MIC)

AA .....103  
AC, AG, AJ, AP, AY .....PC194

#### High Beam (EIC)

AA, AY .....PC194

#### Lamp Outage

AA .....74

#### Low Fuel

AA .....103  
AP .....161

AC, AY .....PC194

AG, AJ .....5269245

#### Low Washer Fluid

AA, AC, AY .....74  
AP .....161

AG, AJ .....4437661

#### Oil Pressure

All .....PC194

#### Trunk Open

AA, AC, AY .....74

AP .....161

AG, AJ .....4437661

#### Theft Alarm Set

AC, AY .....168

AG, AJ .....4437661

#### Turn Signal (MIC)

AA .....103

AC, AG, AJ, AP, AY .....PC194

#### Turn Signal (EIC)

AA, AY .....PC194

#### Seat Belt (MIC)

AA .....103

AC, AG, AJ, AP, AY .....PC194

#### Seat Belt (EIC)

AA, AY .....PC194

AJ .....103

### DIMMER CONTROLLED LAMPS

Service procedures for most of the lamps in the instrument panel, Instrument cluster and switches are located in Group 8E, Instrument Panel and Gauges.

#### A/C Heater Control

All .....37

#### Automatic Temperature Control

All .....4437661

#### Column Gearshift Indicator

AA, AC, AY .....161

#### Console Gearshift Indicator

AP .....194

AA, AG, AJ .....161

#### Fog Lamp Switch Symbol

AG .....PC194

#### Headlamp Dimmer Switch

AG, AJ .....37

#### Headlamp Switch Symbol

AC, AY .....161

AG, AJ .....37

#### Heater Control

All .....158

#### EVIC

AJ .....ASC

#### Instrument Cluster (MIC)

All .....PC194

#### Instrument Cluster (EIC)

AA, AY .....74

#### Message Center

AA, AC, AY .....74

AP .....161

#### Navigator/Travel Companion

AA, AJ .....74

#### Radio

All .....ASC

**Rear Defogger Switch**

Not Serviceable, Replace Switch

**Rear Wiper Switch**

AG .....37

**Theft Alarm**

AC, AY .....161

**Top Lift Switch**

AJ .....5268053

**Travel Computer**

All .....ASC

**Turbo Gauge**

AP .....161

**Windshield Wiper Switch**

AG, AJ .....37

*NON-DIMMING LAMPS*

Service procedures for most of the lamps in the following list can be found in Group 23, Body. Some components have lamps that can only be serviced by a Authorized Service Center (ASC) after the component is removed from the vehicle. Contact local dealer for location of nearest ASC.

**Ash Receiver**

AA .....74

AC, AP, AY .....161

AG, AJ .....37

**Center Console Rear**

AJ .....906

**Cigar Lighter**

AA, AP .....161

**Courtesy**

AA, AC, AY-S .....214-2

AJ .....906

AY-P .....212-2

**Dome**

ALL .....211-2

**Engine Compartment**

All .....105

**Glove Compartment**

All .....1891

**Ignition Lock**

All .....37

**Inside Rear View Mirror**

AJ .....168

**Overhead Console**

AA .....912

AC, AY .....906

AG, AJ, AP .....212-2

**Reading Lamp Front**

All .....906

**Reading Lamp Rear**

AC, AJ .....168

AP-27 .....561

AY .....214-2

**Rear Cargo**

AG, AJ .....212-2

AP .....912

**Luggage Compartment**

AA .....1004

AC, AY .....105

**Visor Vanity**

All .....6501966

