

TURN SIGNAL LAMPS

When the left (lighting) control stalk of the multi-function switch is activated (Fig. 1), the turn signal system illuminates the selected right or left turn signal indicator and the turn signal lamps begin to flash. The turn signal lamps include a bulb integral to each front lamp unit and each tail lamp unit, as well as a repeater lamp bulb located on each front fender above the front wheels. When the turn signal system is activated, the turn signal switch circuitry within the multi-function switch and the electronic circuitry of the wipers, turn signals and engine start control module within the fuse block will repeatedly energize and de-energize the turn signal relay located in the fuse block. The turn signal relay switches battery current from a fused ignition switch output fuse in the fuse block to the appropriate turn signal indicator and turn signal lamps.

The ElectroMechanical Instrument Cluster (EMIC) contactless relay will generate repetitive, audible turn signal “click” sounds to emulate the sounds of a conventional electro-mechanical turn signal flasher at one of two rates to coincide with the flashing of the turn signals. The slow rate emulates normal turn signal operation, while the fast rate emulates “bulb out” turn signal operation.

SPECIFICATIONS - LAMPS / LIGHTING - EXTERIOR

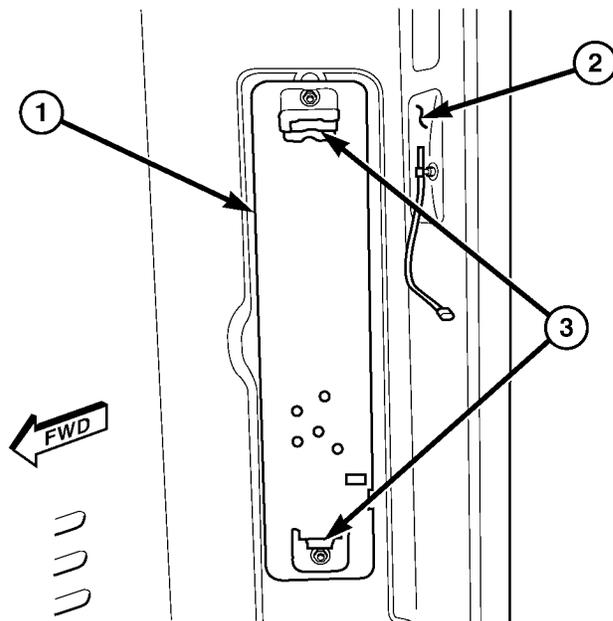
BULB SPECIFICATIONS

LAMP	BULB
Backup	P21W - 12V 21W
Brake & Rear Park	P21/5W - 12V 21/5W
Center High Mounted Stop	P21W - 12V 21W
Clearance	W3W - 12V 3W
Front Fog	H1 - 12V 55W
Front Position	W5W - 12V 5W
Front Turn, Park & Side Marker	3457 NA - 12V 28/7.5W Amber Glass
Low Beam Headlamp	H7 - 12V 55W
High Beam Headlamp	H1 - 12V 55W
License Plate	C5W - 12V 5W
Rear Side Marker	R5W - 12V 5W
Rear Turn	P21W - 12V 21W
Side Repeater	W5W - 12V 3W

BACKUP LAMP BULB

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) If the vehicle is so equipped, remove the trim from the inside of the right or left rear corner pillar.
- (3) From inside the vehicle, use hand pressure to push the two latch tabs toward the center of the tail lamp unit socket plate and pull the socket plate straight out from the inner rear pillar (Fig. 2).

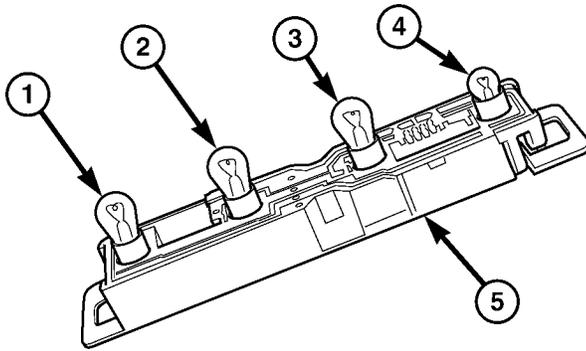


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Fig. 2 Tail Lamp Socket Plate Remove/Install

- 1 - SOCKET PLATE
- 2 - INNER REAR PILLAR
- 3 - LATCH TAB (2)

- (4) Pull the socket plate away from the inner rear pillar far enough to access the backup lamp bulb (Fig. 3).



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Fig. 3 Tail Lamp Bulb Remove/Install

- 1 - BRAKE/PARK LAMP BULB
- 2 - BACKUP LAMP BULB
- 3 - TURN SIGNAL LAMP BULB
- 4 - SIDE MARKER LAMP BULB
- 5 - TAIL LAMP SOCKET PLATE

(5) Remove the backup lamp bulb from the tail lamp socket plate.

INSTALLATION

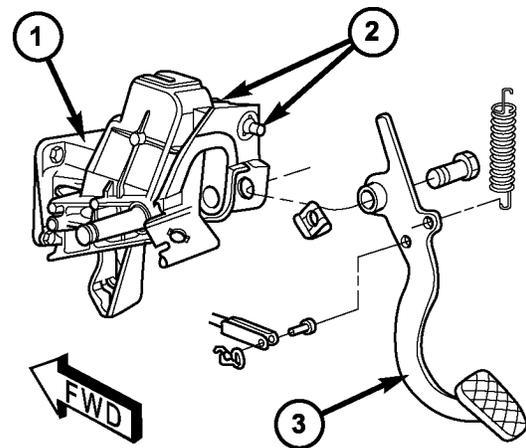
- (1) Install the backup lamp bulb into the tail lamp socket plate (Fig. 3).
- (2) Align the socket plate with the mounting hole in the inner rear pillar.
- (3) Using hand pressure, push the socket plate gently and evenly into the inner rear pillar mounting hole until both latch tabs are fully engaged (Fig. 2).
- (4) If the vehicle is so equipped, reinstall the trim onto the inside of the right or left rear corner pillar.
- (5) Reconnect the battery negative cable.

BRAKE LAMP SWITCH

REMOVAL

WARNING: To avoid personal injury or death, on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, seat belt tensioner, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

- (1) Disconnect and isolate the battery negative cable.
- (2) Locate the brake lamp switch on the pedal bracket underneath the instrument panel (Fig. 4).

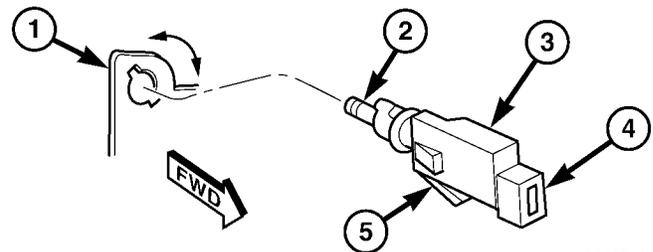


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Fig. 4 Brake Lamp Switch Location

- 1 - PEDAL BRACKET
- 2 - BRAKE LAMP SWITCH
- 3 - BRAKE PEDAL

(3) Depress the locking tab on the brake lamp switch body behind the pedal bracket and rotate the switch counterclockwise about 30 degrees (Fig. 5).



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Fig. 5 Brake Lamp Switch Remove/Install

- 1 - PEDAL BRACKET
- 2 - PLUNGER
- 3 - BRAKE LAMP SWITCH
- 4 - CONNECTOR RECEPTACLE
- 5 - LOCKING TAB

- (4) Pull the switch forward in the vehicle far enough to disengage the switch plunger from the mounting hole in the pedal bracket.
- (5) Disconnect the vehicle wire harness from the brake lamp switch connector receptacle.
- (6) Remove the brake lamp switch from the vehicle.

INSTALLATION

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- (1) Pull the plunger of the brake lamp switch outward from the switch body to its travel limit (Fig. 5).
- (2) Reconnect the vehicle wire harness to the brake lamp switch connector receptacle.
- (3) Depress and hold the brake pedal in the depressed position until the brake lamp switch installation is completed (Fig. 4).
- (4) Insert the brake lamp switch plunger through the mounting hole from behind until the switch locking collar is fully seated against the pedal bracket.
- (5) Rotate the brake lamp switch clockwise until the locking tab on the switch body fully engages the pedal bracket. Full locking tab engagement will be accompanied by an audible click.

NOTE: Do not pull the brake pedal upwards as this will adjust the switch plunger to an incorrect position. The switch is properly adjusted when the switch plunger is just contacting (no gap) the brake pedal arm with the pedal in the relaxed (released) position.

- (6) Release the brake pedal from its depressed position to automatically adjust the brake lamp switch plunger.
- (7) Reconnect the battery negative cable.

ADJUSTMENTS

ADJUSTMENT

WARNING: To avoid personal injury or death, on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, seat belt tensioner, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint sys-

tem. Failure to take the proper precautions could result in accidental airbag deployment.

- (1) Disconnect and isolate the battery negative cable.
- (2) Depress and hold the brake pedal in the depressed position until the brake lamp switch adjustment is completed.
- (3) Pull the plunger of the brake lamp switch outward from the switch body to its travel limit.

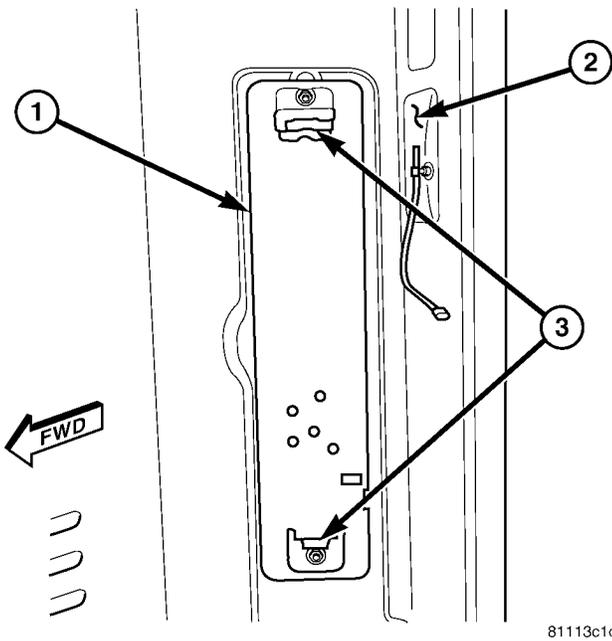
NOTE: Do not pull the brake pedal upwards as this will adjust the switch plunger to an incorrect position. The switch is properly adjusted when the switch plunger is just contacting (no gap) the brake pedal arm with the pedal in the relaxed (released) position.

- (4) Release the brake pedal from its depressed position to automatically adjust the brake lamp switch plunger.

BRAKE / PARK LAMP BULB

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) If the vehicle is so equipped, remove the trim from the inside of the right or left rear corner pillar.
- (3) From inside the vehicle, use hand pressure to push the two latch tabs toward the center of the tail lamp unit socket plate and pull the socket plate straight out from the inner rear pillar (Fig. 6).

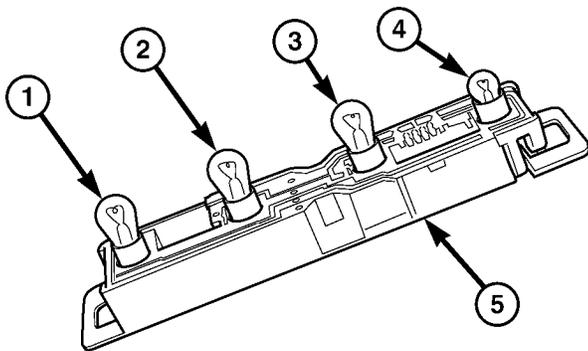


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Fig. 6 Tail Lamp Socket Plate Remove/Install

- 1 - SOCKET PLATE
- 2 - INNER REAR PILLAR
- 3 - LATCH TAB (2)

(4) Pull the socket plate away from the inner rear pillar far enough to access the brake/park lamp bulb (Fig. 7).



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Fig. 7 Tail Lamp Bulb Remove/Install

- 1 - BRAKE/PARK LAMP BULB
- 2 - BACKUP LAMP BULB
- 3 - TURN SIGNAL LAMP BULB
- 4 - SIDE MARKER LAMP BULB
- 5 - TAIL LAMP SOCKET PLATE

(5) Remove the brake/park lamp bulb from the tail lamp socket plate.

INSTALLATION

- (1) Install the brake/park lamp bulb into the tail lamp socket plate (Fig. 7).
- (2) Align the socket plate with the mounting hole in the inner rear pillar.

(3) Using hand pressure, push the socket plate gently and evenly into the inner rear pillar mounting hole until both latch tabs are fully engaged (Fig. 6).

(4) If the vehicle is so equipped, reinstall the trim onto the inside of the right or left rear corner pillar.

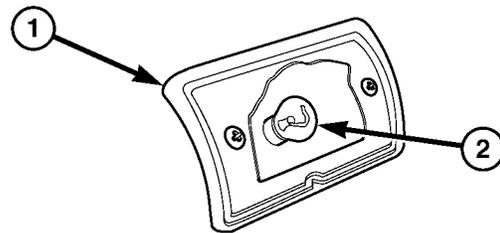
(5) Reconnect the battery negative cable.

CENTER HIGH MOUNTED STOP LAMP BULB

REMOVAL

(1) Disconnect and isolate the battery negative cable.

(2) Remove the two screws that secure the CHMSL lamp to the vehicle, then remove the lens from the lamp housing (Fig. 8).



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Fig. 8 CHMSL Bulb Remove/Install

- 1 - LAMP HOUSING
- 2 - BULB

(3) Push straight in on the CHMSL bulb and rotate it counterclockwise about 30 degrees to remove it from the lamp socket.

INSTALLATION

(1) Install the CHMSL bulb into the lamp socket (Fig. 8).

(2) Position the lens onto the CHMSL lamp housing

(3) Install and tighten the two screws that secure the CHMSL lamp to the vehicle.

(4) Reconnect the battery negative cable.

CENTER HIGH MOUNTED STOP LAMP UN

REMOVAL

(1) Disconnect and isolate the battery negative cable.

(2) Remove the two screws that secure the CHMSL unit to the vehicle (Fig. 9).

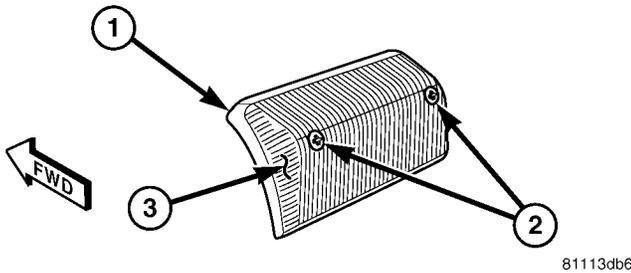


Fig. 9 Center High Mounted Stop Lamp Remove/Install

- 1 - LAMP
- 2 - SCREW (2)
- 3 - LENS

- (3) Pull the CHMSL unit away from the vehicle far enough to access and disconnect the vehicle wire harness from the lamp pigtail wire connector.
- (4) Remove the CHMSL unit from the vehicle.

INSTALLATION

- (1) Position the CHMSL unit close enough to the vehicle to reconnect the lamp pigtail wire connector to the vehicle wire harness.
- (2) Position the CHMSL unit to the vehicle.
- (3) Install and tighten the two screws that secure the CHMSL unit to the vehicle (Fig. 9).
- (4) Reconnect the battery negative cable.

CLEARANCE LAMP BULB

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) Remove the clearance lamp unit from the vehicle, but do not disconnect it from the vehicle wire harness. (Refer to 8 - ELECTRICAL/LAMPS/LIGHTING - EXTERIOR/CLEARANCE LAMP - REMOVAL).
- (3) Pull the clearance lamp away from the vehicle far enough to access the bulb holder on the back of the lamp housing (Fig. 10).

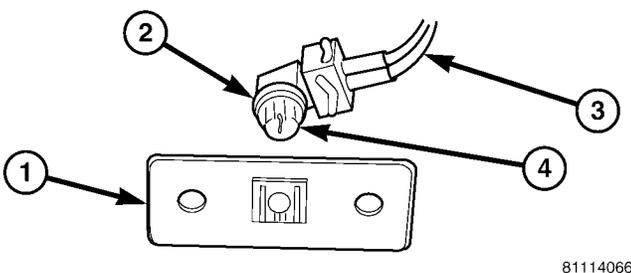


Fig. 10 Clearance Lamp Bulb Remove/Install

- 1 - LAMP HOUSING
- 2 - BULB HOLDER
- 3 - WIRE HARNESS
- 4 - BULB

- (4) Rotate the bulb holder counterclockwise about 30 degrees and pull it straight out from the lamp housing.
- (5) Remove the bulb from the clearance lamp bulb holder.

INSTALLATION

- (1) Install the bulb into the clearance lamp bulb holder (Fig. 10).
- (2) Insert the bulb holder into the back of the clearance lamp housing and rotate it clockwise about 30 degrees to lock it into place.
- (3) Reinstall the clearance lamp onto the vehicle. (Refer to 8 - ELECTRICAL/LAMPS/LIGHTING - EXTERIOR/CLEARANCE LAMP - INSTALLATION).
- (4) Reconnect the battery negative cable.

CLEARANCE LAMP UNIT

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) Remove the two screws that secure the clearance lamp unit to the vehicle (Fig. 11).

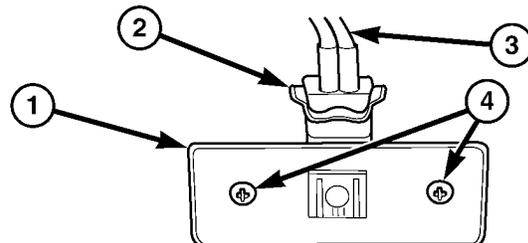


Fig. 11 Clearance Lamp Unit Remove/Install

- 1 - LAMP
- 2 - BULB HOLDER
- 3 - WIRE HARNESS
- 4 - SCREW (2)

- (3) Pull the clearance lamp unit away from the vehicle far enough to access and disconnect the vehicle wire harness from the bulb holder connector receptacle.
- (4) Remove the clearance lamp unit from the vehicle.

INSTALLATION

- (1) Position the clearance lamp unit close enough to the vehicle to reconnect the vehicle wire harness to the bulb holder connector receptacle (Fig. 11).
- (2) Position the clearance lamp unit to the vehicle.
- (3) Install and tighten the two screws that secure the clearance lamp unit to the vehicle.
- (4) Reconnect the battery negative cable.

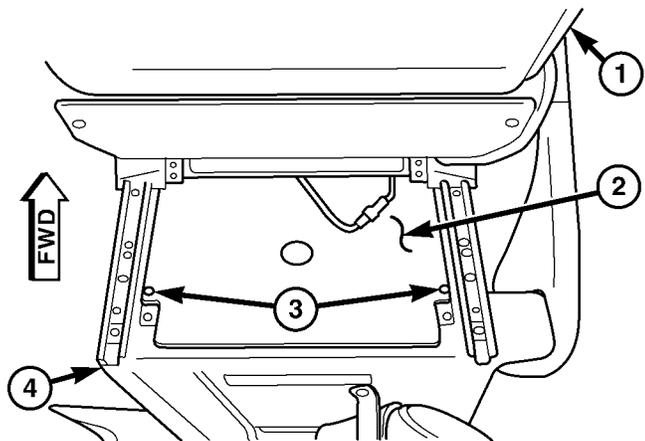
DAYTIME RUNNING LAMP RELAY

REMOVAL

Daytime Running Lamps (DRL) are only used in vehicles manufactured for the Canadian market, where this is required equipment. On vehicles equipped with DRL, a right and a left DRL relay are each located in a dedicated connector of the vehicle wire harness. Each connector is snapped into an opening in a stamped sheet metal bracket which is secured with screws within the driver side front seat riser just beneath the seat riser cover panel.

WARNING: To avoid personal injury or death, on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, seat belt tensioner, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

- (1) Disconnect and isolate the battery negative cable.
- (2) Move the driver side front seat to its most forward position for easiest access to the seat riser cover panel (Fig. 12).



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Fig. 12 Seat Riser Cover

- 1 - DRIVER SEAT BACK
- 2 - COVER PANEL
- 3 - SCREW (2)
- 4 - SEAT RISER

(3) Remove the cover panel from the top of the driver side seat riser.

(4) Remove the DRL relay by grasping it firmly and pulling it straight out of the relay connector.

INSTALLATION

Daytime Running Lamps (DRL) are only used in vehicles manufactured for the Canadian market, where this is required equipment. On vehicles equipped with DRL, a right and a left DRL relay are each located in a dedicated connector of the vehicle wire harness. Each connector is snapped into an opening in a stamped sheet metal bracket which is secured with screws within the driver side front seat riser just beneath the seat riser cover panel.

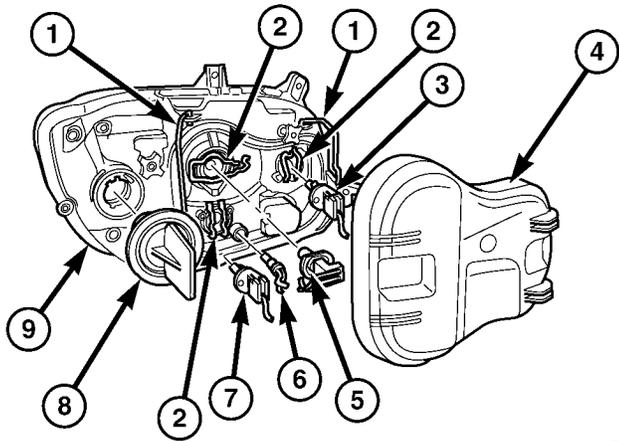
WARNING: To avoid personal injury or death, on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, seat belt tensioner, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

- (1) Position the DRL relay to the relay connector.
- (2) Align the DRL relay terminals with the terminal cavities in the relay connector.
- (3) Using hand pressure, push firmly and evenly on the top of the DRL relay until the terminals are fully seated in the relay connector.
- (4) Position the cover panel onto the top of the driver side seat riser (Fig. 12).
- (5) Install and tighten the two screws that secure the cover panel to the top of the seat riser under the driver side front seat.
- (6) Move the driver side front seat back to its driving position.
- (7) Reconnect the battery negative cable.

FOG LAMP BULB

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) Disengage and swing the retainers that secure the front lamp unit rear cover to each side of the lamp housing and remove the cover (Fig. 13).

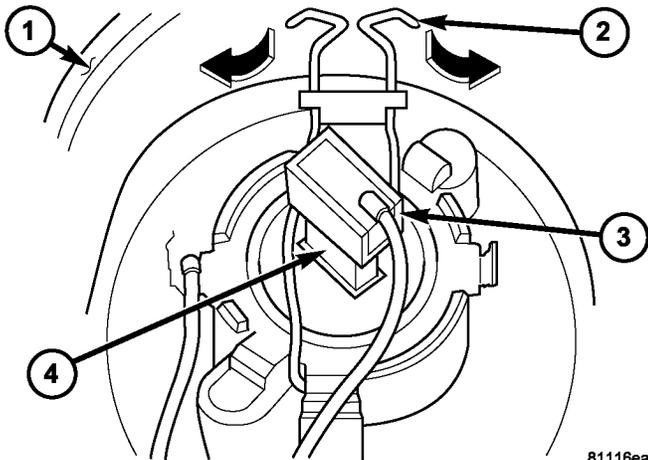


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Fig. 13 Front Lamp Unit Bulbs Remove/Install

- 1 - COVER RETAINER (2)
- 2 - BULB RETAINER (3)
- 3 - FOG LAMP BULB (OPTIONAL)
- 4 - COVER
- 5 - LOW BEAM BULB
- 6 - POSITION BULB
- 7 - HIGH BEAM BULB
- 8 - TURN/PARK/SIDE MARKER BULB
- 9 - FRONT LAMP UNIT

(3) Disconnect the front lamp unit wire harness connector from the fog lamp bulb base (Fig. 14).



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Fig. 14 Fog Lamp Bulb Remove/Install

- 1 - LAMP HOUSING
- 2 - BULB RETAINER
- 3 - CONNECTOR
- 4 - BULB BASE

(4) Disengage the two fog lamp bulb retainers by pushing them slightly toward the front lamp unit housing, outward to each side of the bulb base, then pivot the retainers off of the bulb base.

(5) Remove the fog lamp bulb from the integral bulb holder on the front lamp unit reflector.

INSTALLATION

(1) Position the fog lamp bulb into the integral bulb holder on the front lamp unit reflector. Be cer-

tain that the lugs on the bulb base are engaged in the recesses of the bulb holder (Fig. 14).

(2) Engage the two fog lamp bulb retainers by pivoting them over the bulb base, pressing them slightly toward the front lamp unit housing, then inward on each side of the bulb base.

(3) Reconnect the front lamp unit wire harness connector to the fog lamp bulb base.

(4) Position the front lamp unit rear cover onto the lamp housing and engage the retainers over each side of the cover to secure it (Fig. 13).

(5) Reconnect the battery negative cable.

FOG LAMP RELAY

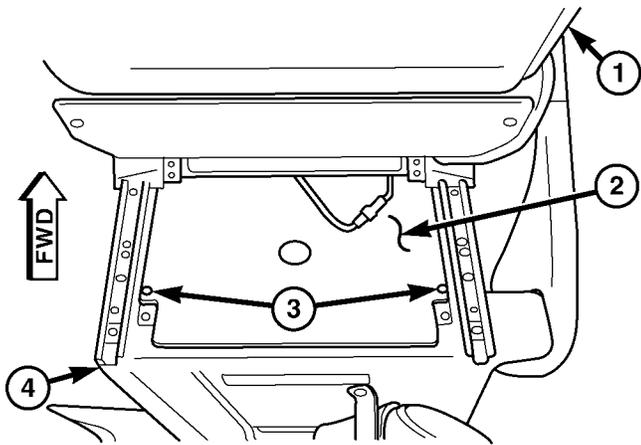
REMOVAL

Fog lamps are optional equipment on this model. On vehicles equipped with fog lamps, a fog lamp relay is located in a dedicated connector of the vehicle wire harness. This connector is snapped into an opening in a stamped sheet metal bracket which is secured with screws within the driver side front seat riser just beneath the seat riser cover panel.

WARNING: To avoid personal injury or death, on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, seat belt tensioner, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

(1) Disconnect and isolate the battery negative cable.

(2) Move the driver side front seat to its most forward position for easiest access to the seat riser cover panel (Fig. 15).



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Fig. 15 Seat Riser Cover

- 1 - DRIVER SEAT BACK
- 2 - COVER PANEL
- 3 - SCREW (2)
- 4 - SEAT RISER

(3) Remove the cover panel from the top of the driver side seat riser.

(4) Remove the fog lamp relay by grasping it firmly and pulling it straight out of the relay connector.

INSTALLATION

Fog lamps are optional equipment on this model. On vehicles equipped with fog lamps, a fog lamp relay is located in a dedicated connector of the vehicle wire harness. This connector is snapped into an opening in a stamped sheet metal bracket which is secured with screws within the driver side front seat riser just beneath the seat riser cover panel.

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(1) Position the fog lamp relay to the relay connector.

(2) Align the fog lamp relay terminals with the terminal cavities in the relay connector.

(3) Using hand pressure, push firmly and evenly on the top of the fog lamp relay until the terminals are fully seated in the relay connector.

(4) Position the cover panel onto the top of the driver side seat riser (Fig. 15).

(5) Install and tighten the two screws that secure the cover panel to the top of the seat riser under the driver side front seat.

(6) Move the driver side front seat back to its driving position.

(7) Reconnect the battery negative cable.

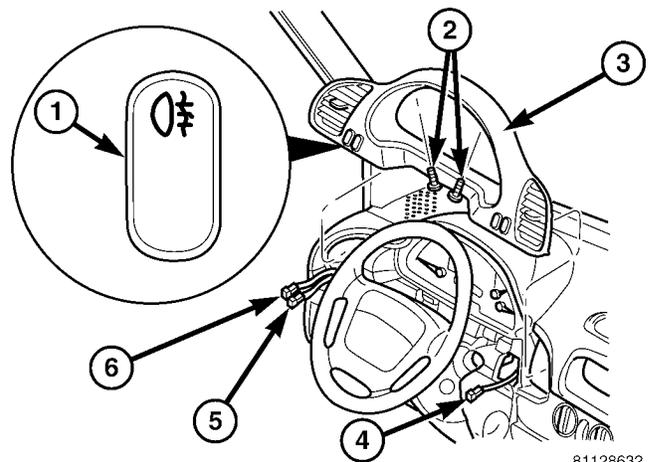
FOG LAMP SWITCH

REMOVAL

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(1) Disconnect and isolate the battery negative cable.

(2) Remove the cluster bezel from the instrument panel (Fig. 16). (Refer to 23 - BODY/INSTRUMENT PANEL/CLUSTER BEZEL - REMOVAL).

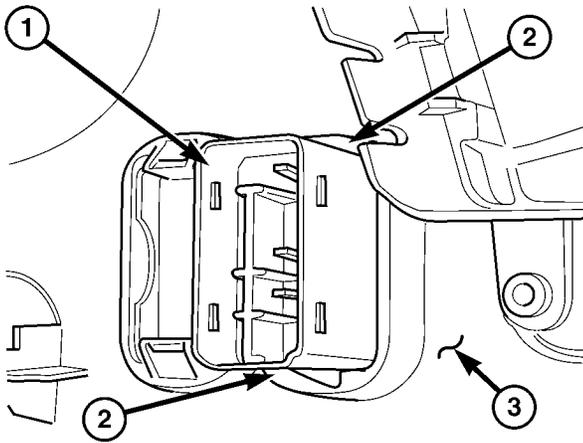


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Fig. 16 Fog Lamp Switch

- 1 - FOG LAMP SWITCH
- 2 - SCREW (2)
- 3 - CLUSTER BEZEL
- 4 - TO REAR WINDOW DEFOGGER SWITCH (OPTIONAL)
- 5 - TO HEADLAMP LEVELING SWITCH
- 6 - TO FOG LAMP SWITCH (OPTIONAL)

(3) From the back of the cluster bezel, squeeze the two latches on the fog lamp switch body and push the switch out through the face of the bezel (Fig. 17).



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Fig. 17 Fog Lamp Switch Remove/Install

- 1 - FOG LAMP SWITCH
- 2 - LATCH (2)
- 3 - CLUSTER BEZEL

(4) Remove the fog lamp switch from the face of the cluster bezel.

INSTALLATION

WARNING: To avoid personal injury or death, on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, seat belt tensioner, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

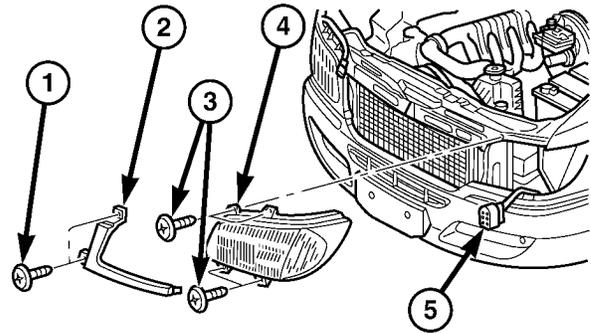
- (1) Position the fog lamp switch to the proper mounting hole on the face of the cluster bezel (Fig. 16).
- (2) Using hand pressure, push the fog lamp switch firmly and evenly into the switch mounting hole of the cluster bezel until both of the latches on the switch body are fully engaged.
- (3) Reinstall the cluster bezel onto the instrument panel. (Refer to 23 - BODY/INSTRUMENT PANEL/CLUSTER BEZEL - INSTALLATION).
- (4) Reconnect the battery negative cable.

FRONT LAMP UNIT

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) Remove the front grille from the vehicle. (Refer to 23 - BODY/EXTERIOR/GRILLE - REMOVAL).

(3) Remove the two screws that secure the cover at the inboard side of the front lamp unit (Fig. 18).



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Fig. 18 Front Lamp Unit Remove/Install

- 1 - SCREW (2)
- 2 - COVER
- 3 - SCREW (4)
- 4 - LAMP UNIT
- 5 - WIRE HARNESS CONNECTOR

- (4) Remove the cover from the front lamp unit.
- (5) From the engine compartment, disconnect the vehicle wire harness connector from the connector receptacle for the front lamp unit.
- (6) Remove the four screws that secure the front lamp unit to the front of the vehicle.
- (7) Remove the front lamp unit from the front of the vehicle.

INSTALLATION

- (1) Position the front lamp unit to the front of the vehicle (Fig. 18).
- (2) Install and tighten the four screws that secure the front lamp unit to the front of the vehicle.
- (3) From the engine compartment, reconnect the vehicle wire harness connector to the connector receptacle for the front lamp unit.
- (4) Position the cover to the front lamp unit.
- (5) Install and tighten the two screws that secure the cover at the inboard side of the front lamp unit.
- (6) Reinstall the front grille onto the vehicle. (Refer to 23 - BODY/EXTERIOR/GRILLE - INSTALLATION).
- (7) Reconnect the battery negative cable.
- (8) Check and adjust the front lamp alignment as required. (Refer to 8 - ELECTRICAL/LAMPS/LIGHTING - EXTERIOR/FRONT LAMP UNIT - ADJUSTMENTS).