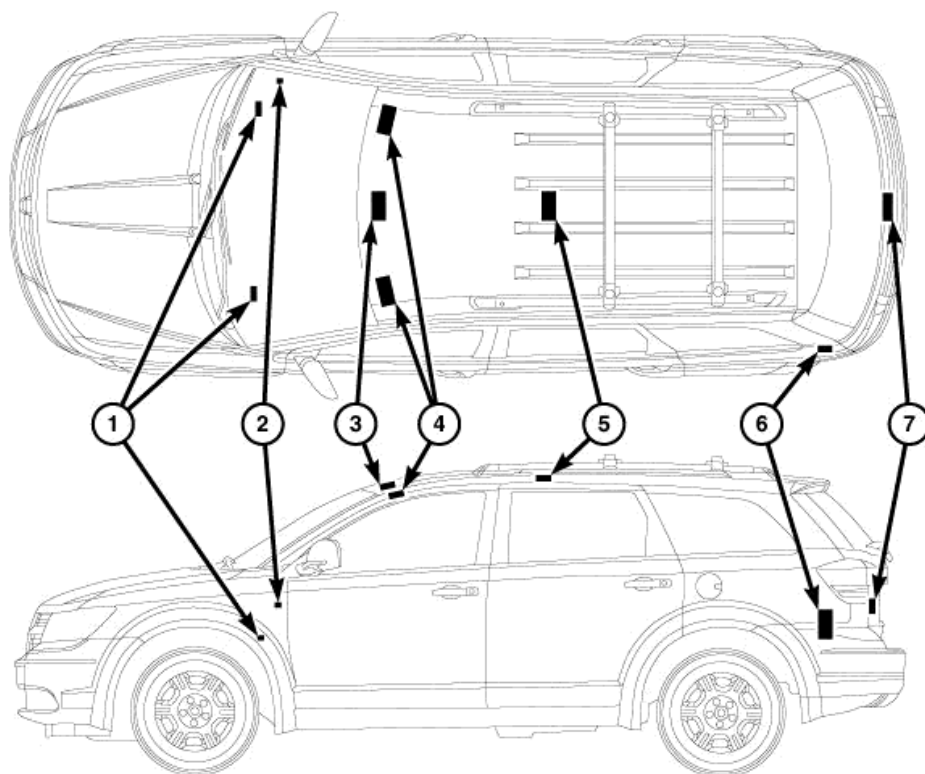


2009 ACCESSORIES AND EQUIPMENT

Lamps/Lighting - Interior - Service Information - Journey

DESCRIPTION

DESCRIPTION



2380020

Fig. 1: Interior Lighting System Location
Courtesy of CHRYSLER LLC

The interior lighting system for this vehicle includes lighting on two separate circuits: the dome/courtesy lamp circuit and the panel lamps dimmer circuit. The lamps on the dome/courtesy circuit include:

- **Front Dome/Reading Lamps (3)** - The standard front dome/reading lamp is centered right to left in the headliner near the windshield header, includes two bulbs and is switched by the door ajar switches or the interior lighting control sleeve of the left multi-function switch. This lamp also has two integral push button actuated switches. In vehicles with an optional overhead console these lamps are replaced by two incandescent dome/reading lamps mounted in the same location, with includes integral switches that are actuated by depressing the lamp lens. In vehicles with an optional Light Emitting Diode (LED) lighting package, with or without an overhead console, the two incandescent dome/reading lamps are replaced by two articulating eyeball LED lamp units that also include integral switches that are actuated by depressing the lamp lens.
- **Glove Box Lamp (2)** - A standard glove box lamp with an integral plunger-actuated switch is located at the upper outboard corner of the instrument panel lower glove box opening and illuminates whenever the

glove box door is opened.

- **Instrument Panel Courtesy Lamps (1)** - Vehicles equipped with an optional LED lighting package have an LED courtesy lamp unit beneath each end of the instrument panel near the lower instrument panel reinforcement.
- **Liftgate Courtesy Lamp (7)** - A standard liftgate courtesy lamp is located in the center of the lower liftgate trim panel and is activated automatically whenever the liftgate is opened to illuminate the rear cargo area of the vehicle.
- **Rear Dome/Reading Lamps (5)** - The standard rear dome/reading lamp includes a single bulb and a switch that is actuated by depressing the lamp lens. In vehicles with an optional LED lighting package, the incandescent lamp is replaced by a lamp that includes a fixed auxiliary LED dome lamp and two articulating eyeball LED lamp units that also include integral switches that are actuated by depressing the lamp lens. Each available rear dome/reading lamp is located in the center of the headliner between the second and third row seating.
- **Rechargeable Flashlight (6)** - An optional, removable twin-LED flashlight powered by rechargeable lithium batteries is mounted in a bezel/charging station located in the left quarter trim panel near the D-pillar in the cargo area of the vehicle.
- **Vanity Lamps (4)** - Optional single-intensity vanity lamps are located on both sides of a covered mirror on both the right and left sun visors. These lamps are controlled by an integral vanity mirror cover-actuated switch.

Most controls on the instrument panel and elsewhere in the interior of the vehicle are illuminated by the panel lamps dimmer circuit for night visibility. Most have miniature incandescent bulbs, Light-Emitting Diode (LED) units or a combination of the two lighting types that are soldered to internal circuit boards and are not serviceable. Only the automatic transmission gearshift indicator incandescent bulb is available for individual service replacement.

Other components of the interior lighting system for this vehicle include:

- **Door Ajar Switches** - A door ajar switch is integral to the door latch mechanism of each front and rear door.
- **Instrument Cluster** - The ElectroMechanical Instrument Cluster (EMIC) is also known as the Cab Compartment Node (CCN) in this vehicle. The EMIC/CCN is located in the instrument panel above the steering column opening, directly in front of the driver. Refer to **Electrical - Instrument Cluster/Instrument Cluster - Description**.
- **Left Multi-Function Switch** - The left (lighting) multi-function switch is located on the steering column, just below the steering wheel. A control sleeve on the control stalk that extends from the left side of the switch is used to select the panel lamps dimmer lighting level or the courtesy lamp circuit operating mode. Refer to **Electrical - Lamps and Lighting/Lamps/Lighting - Exterior/SWITCH, Multifunction - Description**.
- **Liftgate Ajar Switch** - A liftgate ajar switch is integral to the latch mechanism of the liftgate.
- **Steering Control Module** - The Steering Control Module (SCM) is located within the left multi-function switch housing on the top of the steering column, just below the steering wheel. Refer to **Electrical - Electronic Control Modules/Electronic Control Modules/MODULE, Steering Column - Description**.
- **Totally Integrated Power Module** - The Totally Integrated Power Module (TIPM) is located in the

engine compartment, near the battery. Refer to **Electrical - Wiring/Power Distribution/MODULE, Totally Integrated Power (TIPM) - Description**

Hard wired circuitry connects the interior lighting system components to the electrical system of the vehicle. These hard wired circuits are integral to several wire harnesses, which are routed throughout the vehicle and retained by many different methods. These circuits may be connected to each other, to the vehicle electrical system and to the interior lighting components through the use of a combination of soldered splices, splice block connectors, and many different types of wire harness terminal connectors and insulators. Refer to **SYSTEM WIRING DIAGRAMS**. The wiring information includes wiring diagrams, proper wire and connector repair procedures, further details on wire harness routing and retention, as well as pin-out and location views for the various wire harness connectors, splices and grounds.

OPERATION

OPERATION

The lamps of the interior lighting system can be divided into general classifications based upon the circuit that controls their operation: The courtesy lamp circuit, the reading lamps circuit and the panel lamps dimmer circuit. The optional rechargeable flashlight, cup holder lamp and automatic transmission gear selector lamp are controlled by an output on the fused run relay output circuit from the Totally Integrated Power Module (TIPM), which energizes the run relay whenever it detects that the engine is running. Following are paragraphs that briefly describe the operation of the courtesy lamps, reading lamps and panel lamps dimmer interior lighting circuits.

The lamps and the hard wired circuits between components related to the interior lighting system may be diagnosed using conventional diagnostic tools and procedures. Refer to **SYSTEM WIRING DIAGRAMS**. The wiring information includes wiring diagrams, proper wire and connector repair procedures, details of wire harness routing and retention, connector pin-out information and location views for the various wire harness connectors, splices and grounds.

However, conventional diagnostic methods will not prove conclusive in the diagnosis of the interior lighting system or the electronic controls or communication between modules and other devices that provide some features of the interior lighting system. The most reliable, efficient, and accurate means to diagnose the interior lighting system or the electronic controls and communication related to interior lighting system operation requires the use of a diagnostic scan tool. Refer to the appropriate diagnostic service information.

COURTESY LAMP CIRCUIT

Depending upon the selected vehicle options, the courtesy lamp circuit may include the courtesy lamps below each outboard end of the instrument panel, the dome and dome/reading lamps located in the headliner near the windshield and between the second and third row seating, the liftgate lamp located near the center of the liftgate trim panel, the glove box lamp in the top of the lower glove box opening in the instrument panel and the vanity lamps located in the sun visors. The lamps in the courtesy lamp circuit are provided with a path to ground at all times. The ElectroMechanical Instrument Cluster (EMIC) (also known as the Cab Compartment Node/CCN) controls the output of battery voltage for the courtesy lamps in this circuit based upon electronic message inputs from the Steering Control Module (SCM), the ignition switch (also known as the Wireless Ignition Node/WIN) and the TIPM.

After all of the ajar switch inputs to the TIPM transition to open and the EMIC receives the appropriate electronic **door ajar switch status** messages from the TIPM over the Controller Area Network (CAN) data bus, the EMIC will keep the courtesy lamps illuminated for about 30 seconds, then fade the lamps to OFF (theater dimming) over about 3 seconds. The EMIC also provides courtesy lamp operation based upon a resistor multiplexed input to the SCM from the control sleeve of the left multi-function switch, and provides an illuminated entry feature in response to certain electronic **ignition switch status** message inputs received from the WIN and the Occupant Restraint Controller (ORC) over the CAN data bus. A courtesy lamp DEFEAT mode input from the SCM based upon a resistor multiplexed input from the left multi-function switch interior lighting control sleeve will cause the EMIC to override normal courtesy lamp operation.

The EMIC provides a battery saver (load shedding) feature for all courtesy lamps, which will automatically turn these lamps OFF if they are left ON for more than about 10 minutes after the electronic **ignition switch status** message transitions to OFF.

READING LAMP CIRCUIT

For those lamps on the courtesy lamp circuit with independent switching such as the standard or optional dome/reading lamps, the optional vanity lamps and the glove box lamp, the EMIC also provides a battery voltage output to those switches through a separate reading lamp circuit. The EMIC provides a battery saver (load shedding) feature for the reading lamp circuit as well as the courtesy lamp circuit, which will automatically turn these lamps OFF if they are left ON for more than about 10 minutes after the electronic **ignition switch status** message transitions to OFF.

PANEL LAMPS DIMMER CIRCUIT

The panel lamps dimmer circuit actually includes several circuits. These circuits control the illumination and dimming level of the heater-air conditioner controls and the instrument panel switch pod. All lamps in the panel lamps dimmer circuits are provided a path to ground at all times through a hard wired ground circuit. These lamps are illuminated by a 12-volt Pulse Width Modulated (PWM) output of the EMIC through several panel lamps dimmer circuits.

This shared PWM output synchronizes the selected illumination intensity level of all the lamps in the panel lamps dimmer circuits. The EMIC uses electronic message inputs from the SCM based upon hard wired inputs from the exterior lighting control knob and interior lighting control sleeve of the left multi-function switch to determine when the exterior lighting is turned ON and the dimming level selection. Then the EMIC provides the appropriate PWM outputs through the panel lamps dimmer circuits as well as electronic **dimming level** messages over the CAN data bus to other electronic modules in the vehicle.

The EMIC, the instrument panel switch pod and the radio use the electronic **dimming level** messages to control the illumination intensity of their own back lighting, controls and display units. In addition, when the interior lighting control sleeve of the left multi-function switch is moved to the PARADE (or funeral) mode detent position, all of the electronic display units are illuminated at their full intensity levels for increased visibility when the vehicle is driven during daylight hours with the exterior lighting turned ON. The PARADE mode has no effect on the illumination intensity of incandescent panel lamps.

WARNING

WARNINGS

WARNING: To avoid serious or fatal injury eye protection should be used when servicing any glass components.

CAUTION: Do not use bulbs with higher candle power than indicated in the Bulb Application table. See Specifications . In addition, do not use fuses, circuit breakers or relays having greater amperage value than indicated on the fuse panel or in the Owner's Manual. Damage to lamps, lenses, wiring and other related electrical components can result.

DIAGNOSIS AND TESTING

LAMPS/LIGHTING - INTERIOR

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor, 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 SRS. Failure to take the proper precautions could result in accidental airbag deployment.

NOTE: When diagnosing the interior lighting circuits, remember that high generator output can burn out bulbs rapidly and repeatedly; and, that dim or flickering bulbs can be caused by low generator output or poor battery condition. If one of these symptoms is a problem on the vehicle, be certain to diagnose the battery and charging system, then repair as necessary.

NOTE: A good ground is necessary for proper lighting operation. If a lighting problem is being diagnosed that involves multiple symptoms, systems, or components, the problem can often be traced to a loose, corroded, or open ground.

The hard wired circuits between components related to the operation of the interior lighting system may be diagnosed using conventional diagnostic tools and procedures. Refer to SYSTEM WIRING DIAGRAMS . The wiring information includes wiring diagrams, proper wire and connector repair procedures, details of wire harness routing and retention, connector pin-out information and location views for the various wire harness connectors, splices and grounds.

However, conventional diagnostic methods will not prove conclusive in the diagnosis of the interior lighting system or the electronic controls or communication between modules and other devices that provide some features of the interior lighting system. The most reliable, efficient, and accurate means to diagnose the interior lighting system or the electronic controls and communication related to interior lighting system operation requires the use of a diagnostic scan tool. Refer to the appropriate diagnostic service information.

COURTESY AND READING LAMP CIRCUITS

CONDITION	POSSIBLE CAUSES	CORRECTION
A SINGLE LAMP IN THE COURTESY LAMP CIRCUIT DOES NOT ILLUMINATE	1. Ineffective or missing bulb (except LED lamps). 2. Ineffective lamp switch. 3. Ineffective ground circuit. 4. Ineffective feed circuit.	1. Test and replace the courtesy lamp bulb if required. 2. Test and replace a dome lamp switch, dome/reading lamp switch, glove box lamp switch or vanity lamp switch if required. 3. Test and repair the open ground circuit if required. 4. Test and repair the open feed circuit if required.
ALL LAMPS IN THE COURTESY LAMP CIRCUIT DO NOT ILLUMINATE	1. Courtesy DEFEAT feature turned ON. 2. Ineffective ground circuit. 3. Ineffective or missing fuse. 4. Ineffective courtesy lamp control circuit. 5. Ineffective SCM inputs or outputs. 6. Ineffective EMIC inputs or outputs.	1. Turn courtesy DEFEAT feature OFF. 2. Test and repair the open ground circuit if required. 3. Test and replace the fuse if required. 4. Test and repair the courtesy lamp control circuit if required. 5. Use a diagnostic scan tool to test the SCM inputs and outputs. Refer to the appropriate diagnostic service information. 6. Use a diagnostic scan tool to test the EMIC inputs and outputs. Refer to the appropriate diagnostic service information.
A SINGLE LAMP IN THE COURTESY LAMP CIRCUIT DOES NOT EXTINGUISH	1. Ineffective lamp switch.	1. Test and replace a dome/reading lamp switch, glove box lamp switch or vanity lamp switch if required.
ALL LAMPS IN THE COURTESY LAMP CIRCUIT DO NOT EXTINGUISH	1. Ineffective ajar switch. 2. Ineffective ajar switch sense circuit. 3. Ineffective EMIC inputs or outputs.	1. Test and replace a door ajar or liftgate ajar switch if required. 2. Test and repair the shorted ajar switch sense circuit if required. 3. Use a diagnostic scan tool to test the EMIC inputs and outputs. Refer to the appropriate diagnostic service information.

PANEL LAMPS DIMMER CIRCUIT

NOTE: As part of the exterior lighting failsafe feature, upon ignition ON all of the panel lamps dimmer circuit lamps will illuminate at full intensity and the exterior park

lamps and headlamp low beams will illuminate regardless of the left multi-function switch control knob and sleeve positions if the Steering Control Module (SCM) cannot detect an input from the left multi-function switch, or if there is a loss of data bus communication.

CONDITION	POSSIBLE CAUSES	CORRECTION
A SINGLE LAMP DOES NOT ILLUMINATE	1. Ineffective or missing bulb or Light Emitting Diode (LED) unit. 2. Ineffective ground circuit. 3. Ineffective feed circuit.	1. Test and replace the lamp bulb or LED unit if required. 2. Test and repair the open lamp ground circuit if required. 3. Test and repair the open lamp feed circuit if required.
A SINGLE LAMP DOES NOT EXTINGUISH	1. Ineffective feed circuit.	1. Test and repair the shorted lamp feed circuit if required.
ALL LAMPS DO NOT ILLUMINATE	1. Ineffective ground circuit. 2. Ineffective feed circuit. 3. Ineffective EMIC inputs or outputs.	1. Test and repair the open lamp ground circuit if required. 2. Test and repair the open lamp feed circuit if required. 3. Use a diagnostic scan tool to test the EMIC inputs and outputs. Refer to the appropriate diagnostic service information.
ALL LAMPS ILLUMINATE AT FULL INTENSITY AT IGNITION ON	1. Ineffective SCM inputs or outputs. 2. Loss of data bus communication.	1. Use a diagnostic scan tool to test the SCM inputs and outputs. Refer to the appropriate diagnostic service information. 2. Use a diagnostic scan tool to test the data bus. Refer to the appropriate diagnostic service information.

SPECIFICATIONS

INTERIOR LAMPS

BULB APPLICATION TABLE

LAMP	BULB
DOME/READING LAMP (EXCEPT OVERHEAD CONSOLE)	578
DOME/READING LAMP (OVERHEAD CONSOLE)	W5W
GLOVE BOX LAMP	194
LIFTGATE COURTESY LAMP	579
SHIFT INDICATOR LAMP	IKLE14140
VANITY LAMP	A6220

FLASHLIGHT, RECHARGEABLE

DESCRIPTION

DESCRIPTION

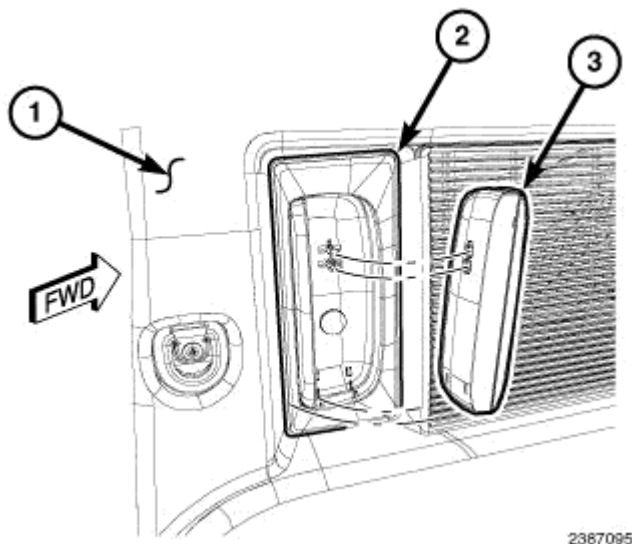


Fig. 2: Removable And Rechargeable Flashlight
Courtesy of CHRYSLER LLC

An optional removable and rechargeable flashlight (3) is encased within a molded plastic housing, which is secured within a bezel/charging station (2) at the back of the left quarter inner trim panel (1) by two tabs on the end opposite the clear flashlight lens and a push-push type latch mechanism. The flashlight is powered by a rechargeable and replaceable lithium battery. A momentary switch on the flashlight electronic circuit board is actuated by a plastic push button located on the side of the flashlight housing. When the flashlight is turned ON it illuminates two clear Light Emitting Diode (LED) units to create a wide and bright light beam. A red LED unit on the side of the flashlight housing behind the push button illuminates as the battery becomes discharged to indicate that the unit requires recharging.

The bezel/charging station unit, the flashlight battery and the flashlight unit are each available for separate service replacement. If any other component of the flashlight or bezel/charging station are damaged or ineffective, the complete flashlight unit or bezel/charging station unit must be replaced.

OPERATION

OPERATION

The rechargeable lithium battery within the flashlight automatically recharges while the flashlight is nested in its receptacle within the bezel charging station and the engine is running. The flashlight has a pair of electrical contacts that mate with contacts within the charging station that provide a source of recharging current. The red Light Emitting Diode (LED) unit on the side of the flashlight behind the ON-OFF push button illuminates when the charge of the flashlight battery is becoming depleted.

The flashlight is removed from the bezel/charging station by pushing it momentarily at the depression marked **PUSH** on the flashlight housing, then releasing it and swinging it downward far enough to disengage two slots on the lower end of the flashlight from two tabs within the charging station. When the flashlight is removed from its receptacle in the bezel/charging station, it can be used as an auxiliary light source in emergencies or other situations where a portable light source is required. The flashlight is turned ON or OFF by momentarily depressing and releasing the ON-OFF push button on the side of the flashlight housing. Reverse the removal procedure to restore the flashlight to the bezel/charging station and to recharge the flashlight battery.

STANDARD PROCEDURE

FLASHLIGHT BATTERY REPLACEMENT

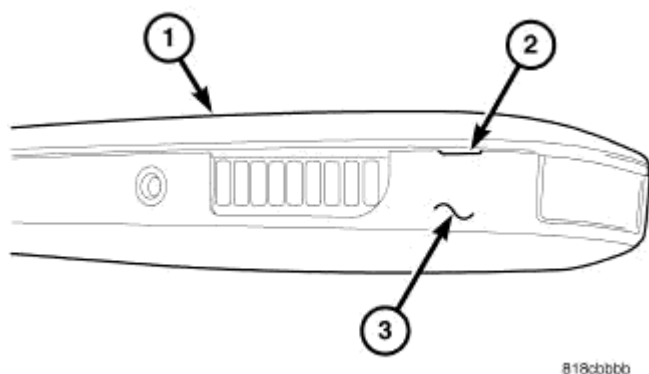


Fig. 3: Flashlight Battery Replacement (1 Of 2)
Courtesy of CHRYSLER LLC

1. Insert a small screwdriver or another suitable tool into each of the two notches (2) between the upper (1) and lower (3) case halves of the flashlight and use a twisting action to separate the case.

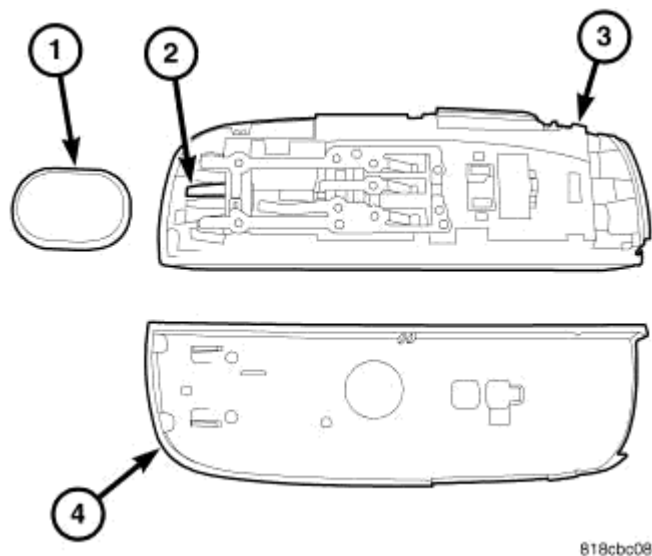


Fig. 4: Flashlight Battery Replacement (2 Of 2)
Courtesy of CHRYSLER LLC

2. Remove the lower case (4) from the upper case (3) and set it aside.
3. Lightly lift the latch tab (2) at the back of the upper case and slide the battery (1) rearward far enough to remove it from the case.
4. Install the new battery by sliding it between the latch tab and the case until it is engaged by the latch tab. The battery **must** be installed with the positive (+) terminal oriented toward the upper case (3).

REMOVAL

BEZEL/CHARGING STATION

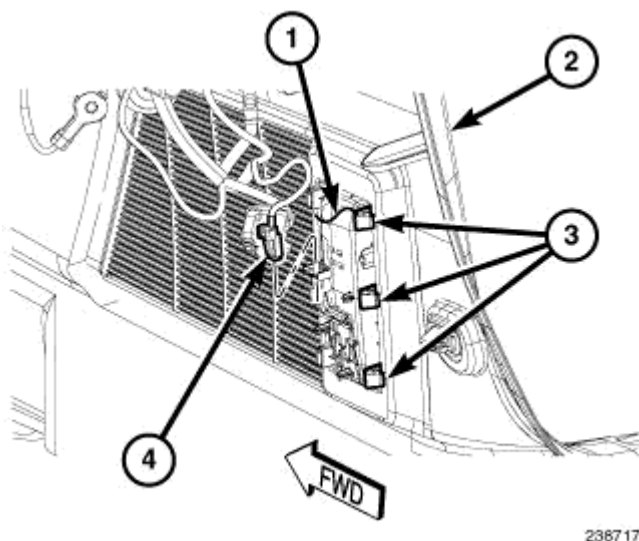
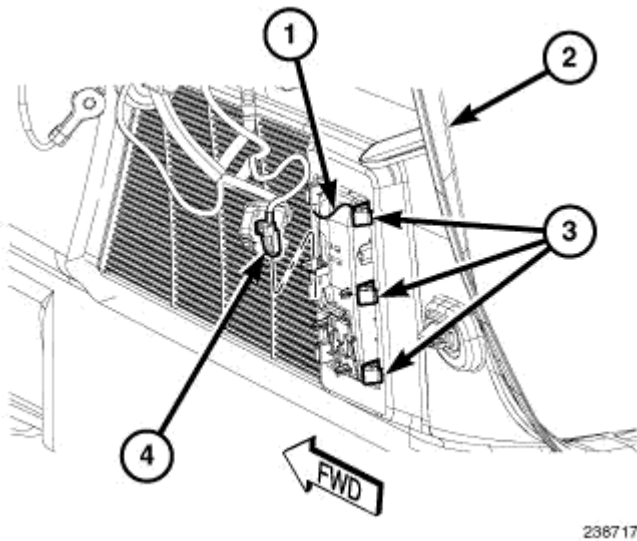


Fig. 5: Removing / Installing Bezel/Charging Station
Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Pull the rear of the left quarter trim panel (2) away from the D-pillar far enough to access the back of the bezel/charging station (1). Refer to **Body/Interior/PANEL, Quarter Trim - Removal**.
3. Disconnect the body wire harness connector (4) from the connector receptacle on the back of the bezel/charging station.
4. Compress the spring clip retainers (3) far enough to allow the bezel/charging station to be pushed out of the mounting hole through the face of the quarter trim panel. Six spring clip retainers are used, three on the forward side and three on the rearward side of the unit.
5. Remove the bezel/charging station from the vehicle.

INSTALLATION

BEZEL/CHARGING STATION



2387177

Fig. 6: Removing / Installing Bezel/Charging Station

Courtesy of CHRYSLER LLC

1. Align the bezel/charging station (1) with the mounting hole near the rear of the left quarter trim panel (2).
2. Using hand pressure, push the bezel/charging station into the mounting hole firmly and evenly until all 6 of the spring clip retainers (3) snap into place on the back side of the trim panel.
3. Reconnect the body wire harness connector (4) to the connector receptacle on the back of the bezel/charging station.
4. Reinstall the left quarter trim panel. Refer to **Body/Interior/PANEL, Quarter Trim - Installation**.
5. Reconnect the battery negative cable.

LAMP, COURTESY, INSTRUMENT PANEL

REMOVAL

REMOVAL

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor, 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 SRS. Failure to take the proper precautions could result in accidental airbag deployment.

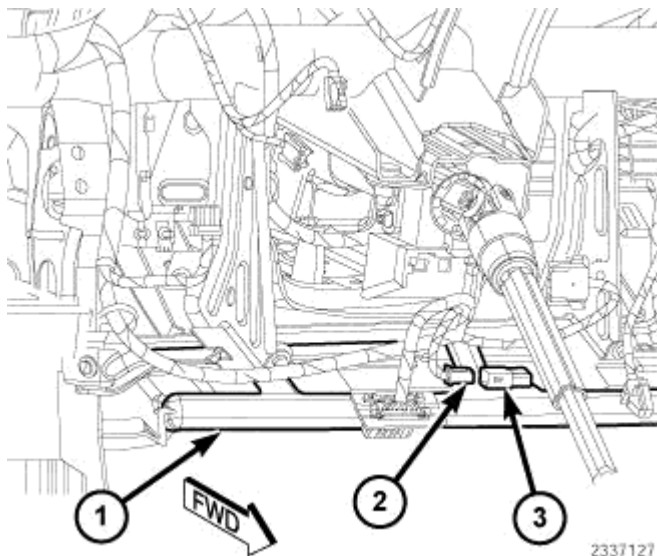


Fig. 7: Courtesy Lamp & Instrumental Panel
Courtesy of CHRYSLER LLC

NOTE: The Light Emitting Diode (LED) and printed circuit board for these lamps are serviced only as a unit with the courtesy lamp assembly. If any part of these lamps is damaged or ineffective, the entire lamp assembly must be replaced.

1. Disconnect and isolate the battery negative cable.
2. If the vehicle is so equipped, remove the closeout panel from under the driver or passenger side of the instrument panel. Refer to **Body/Instrument Panel/PANEL, Silencer - Removal**.
3. Reach under the lower edge of the instrument panel steering column opening (driver side) or glove box opening (passenger side) lower reinforcement (1) to access and pry the push-in plastic retainer on the underside of the courtesy lamp (3) out of the mounting hole in the instrument panel lower reinforcement.
4. Pull the courtesy lamp down from behind the instrument panel far enough to access and disconnect the instrument panel wire harness connector (2) from the connector receptacle integral to the courtesy lamp.
5. Remove the courtesy lamp from the vehicle.

INSTALLATION

INSTALLATION

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor, 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 SRS. Failure to take the proper precautions could result in accidental airbag deployment.

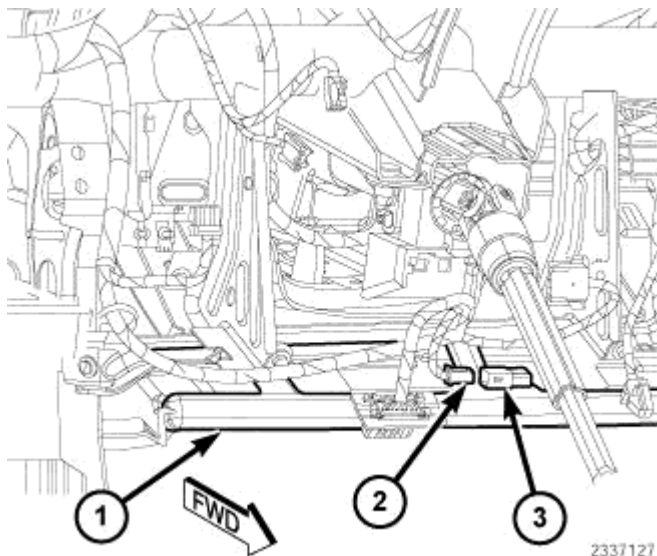


Fig. 8: Courtesy Lamp & Instrumental Panel
Courtesy of CHRYSLER LLC

NOTE: The Light Emitting Diode (LED) and printed circuit board for these lamps are serviced only as a unit with the courtesy lamp assembly. If any part of these lamps is damaged or ineffective, the entire lamp assembly must be replaced.

1. Position the courtesy lamp (3) under the lower edge of the instrument panel steering column opening (driver side) or glove box opening (passenger side) lower reinforcement (1).
2. Reconnect the instrument panel wire harness connector (2) to the connector receptacle integral to the courtesy lamp.
3. Align the push-in plastic retainer on the underside of the courtesy lamp with the mounting hole in the instrument panel lower reinforcement.
4. Using hand pressure, press the courtesy lamp downward firmly and evenly until the push-in plastic retainer is fully engaged in the mounting hole.
5. If the vehicle is so equipped, reinstall the closeout panel under the driver or passenger side of the instrument panel. Refer to **Body/Instrument Panel/PANEL, Silencer - Installation**.
6. Reconnect the battery negative cable.

LAMP, COURTESY, LIFTGATE

REMOVAL

BULB

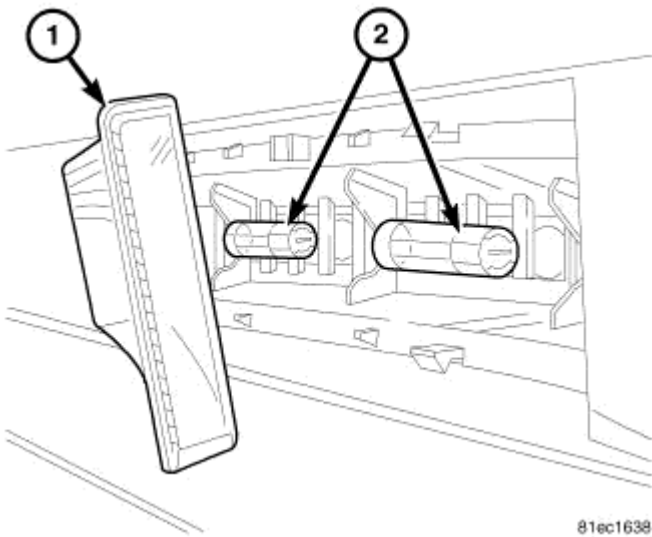


Fig. 9: Bulb

Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Using a thin flat-bladed tool, gently pry between one end of the lamp lens (1) and the lower liftgate trim panel to remove the lens from the liftgate lamp housing.
3. Carefully unsnap the bulb (2) from the two bulb holders within the lamp housing.

LAMP

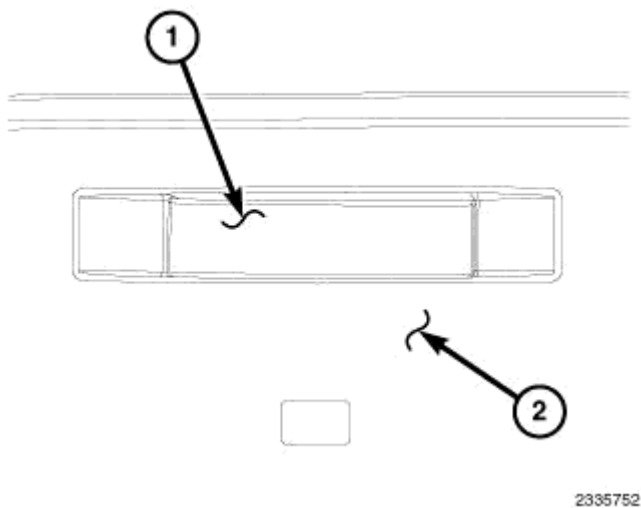


Fig. 10: Lamp Lens & Trim Panel

Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Using a thin flat-bladed tool, gently pry between one end of the lamp lens (1) and the lower liftgate trim

panel (2) to remove the lens from the liftgate lamp housing.

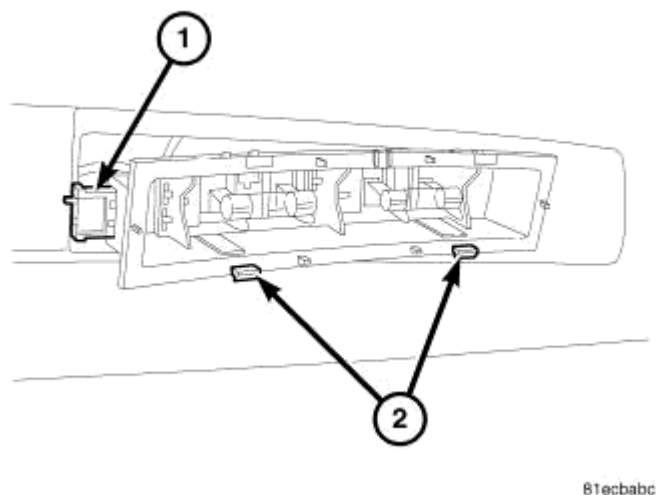


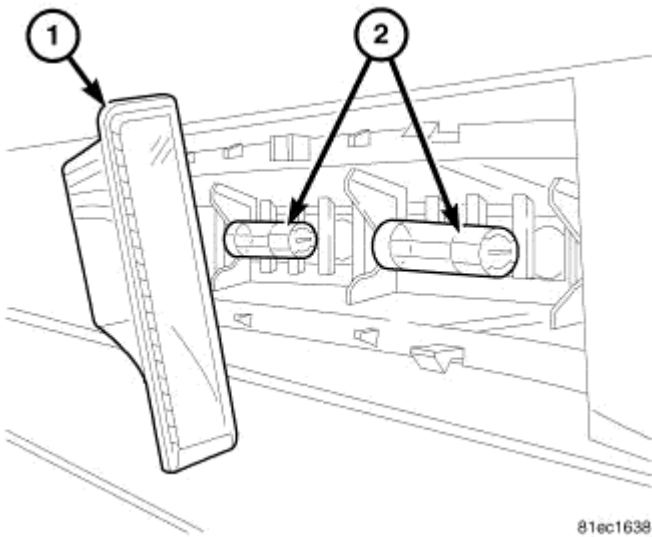
Fig. 11: Wire Harness Connector
Courtesy of CHRYSLER LLC

3. Using a thin flat-bladed tool, depress the tabs (2) integral to the lamp housing to release the lamp from the opening in the lower liftgate trim panel.
4. Pull the lamp out from the trim panel far enough to access and disconnect the liftgate wire harness connector (1) from the connector receptacle integral to the end of the lamp housing.
5. Remove the liftgate courtesy lamp from the vehicle.

INSTALLATION

BULB

CAUTION: Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.



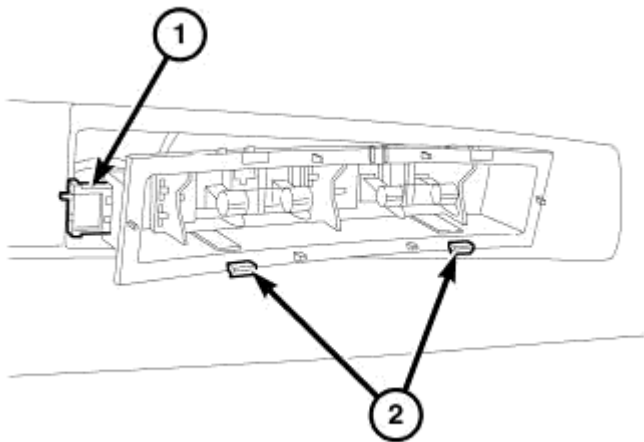
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Fig. 12: Bulb

Courtesy of CHRYSLER LLC

1. Align the ends of the bulb (2) with the two bulb holders within the liftgate lamp housing.
2. Carefully press the bulb firmly and evenly into the bulb holders until it snaps into place.
3. Align the lamp lens (1) with the lamp housing, then use firm and even hand pressure to snap the lens onto the housing.
4. Reconnect the battery negative cable.

LAMP



81ecbabc

Fig. 13: Wire Harness Connector

Courtesy of CHRYSLER LLC

1. Position the liftgate courtesy lamp to the opening in the lower liftgate trim panel.

2. Reconnect the liftgate wire harness connector (1) to the connector receptacle integral to the end of the lamp housing.
3. Insert the connector end of the lamp housing into the opening in the lower liftgate trim panel.
4. Align the end of the lamp housing opposite the connector end to the trim panel opening.
5. Using hand pressure, push the lamp housing firmly and evenly into the trim panel opening until the integral mounting tabs snap into place behind the panel.

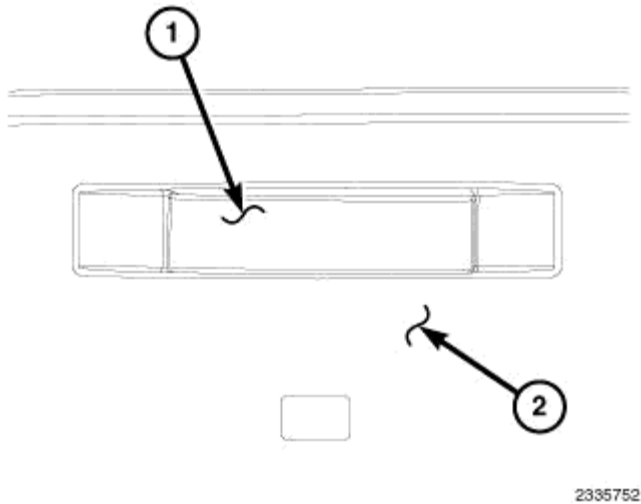


Fig. 14: Lamp Lens

Courtesy of CHRYSLER LLC

6. Align the lamp lens (1) with the lamp housing, then use firm and even hand pressure to snap the lens onto the housing.
7. Reconnect the battery negative cable.

LAMP, DOME, READING

REMOVAL

BULB - DUAL LAMP

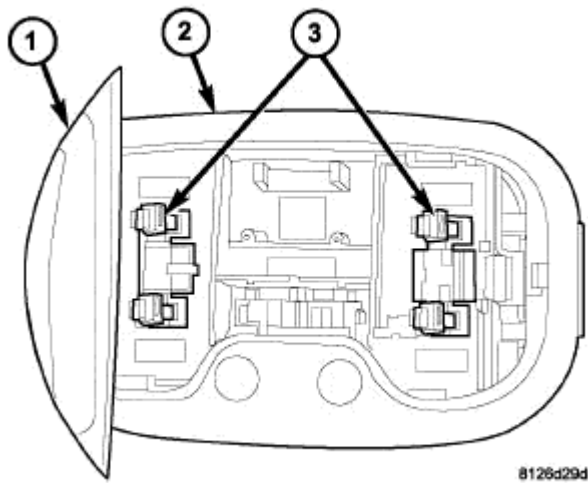


Fig. 15: Dual Dome/Reading Lamp
Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Remove the dual dome/reading lamp (2) from the headliner. See **Removal** .
3. With the lamp lens (1) in the open position, carefully unsnap the bulb (3) from the two bulb holders within the lamp housing.

BULB - OVERHEAD CONSOLE

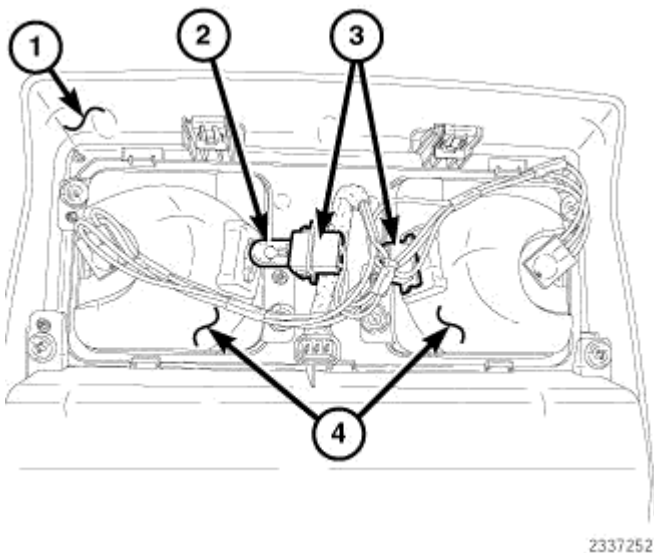
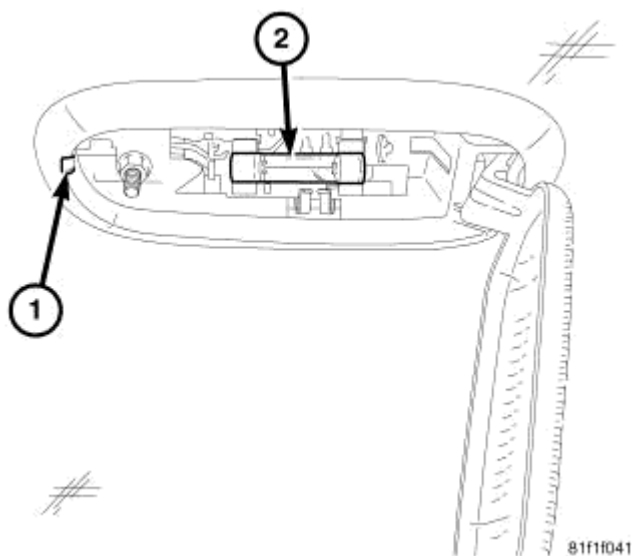


Fig. 16: Dome/Reading Lamp Socket
Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.

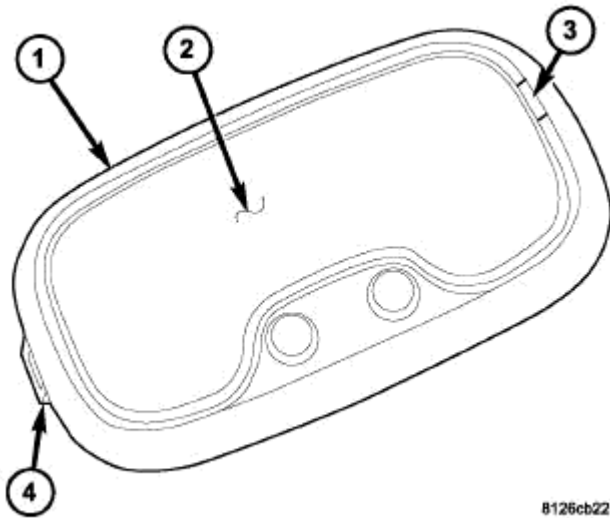
2. Remove the (1) from the headliner. Refer to **Electrical - Message Systems/Overhead Console - Removal**.
3. Grasp the dome/reading lamp socket (3) firmly and push it to one side far enough to unsnap the socket latch features from the lamp housing (4).
4. Pull the socket and bulb (2) out of the lamp housing.
5. Pull the base of the bulb straight out of the lamp socket.

BULB - SINGLE LAMP**Fig. 17: Single Lamp**

Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Insert the tip of a small flat-bladed screwdriver into the notch (1) on one side of the dome lamp bezel between the lens and the lamp housing.
3. Gently pry the notched edge of the lens downward until it unsnaps from the housing.
4. Swing the notched end of the lens downward far enough to access the bulb (2).
5. Carefully unsnap the bulb from the two bulb holders within the dome lamp housing.

LAMP - DUAL



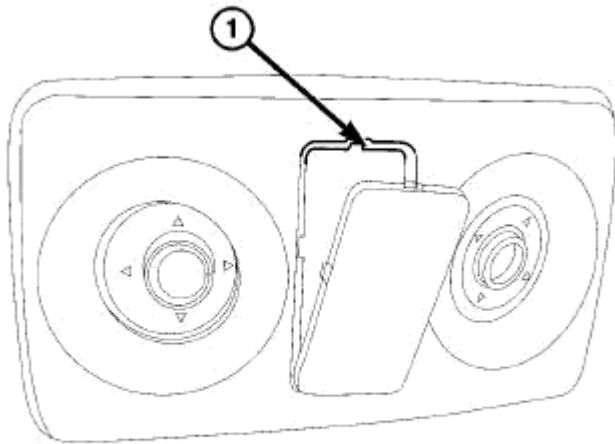
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Fig. 18: View Of Dome Lamp Unit
Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Insert the tip of a small flat-bladed screwdriver into the notch (3) between the lens (2) and the housing (1) on one side of the dome/reading lamp unit.
3. Gently pry the end of the lens downward until it unsnaps from the housing.
4. Swing the lens downward until it is perpendicular to the housing.
5. Pull the lens hinge/retainer end (4) of the housing downward slightly from the headliner, then slide the lowered end of the housing away from the mounting hole far enough to disengage the fixed retainer on the notched end from the headliner.
6. Pull the lamp away from the headliner mounting hole far enough to access and disconnect the wire harness connector from the back of the lamp.
7. Remove the lamp from the vehicle.

LAMP - LIGHT EMITTING DIODE

EXCEPT WITH OVERHEAD CONSOLE



8100fe58

Fig. 19: Light Emitting Diode (Except With Overhead Console)

Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Insert the tip of a small flat bladed screwdriver into the notch (1) between the dome/reading lamp bezel and the lock tab between the two Light Emitting Diode (LED) pod units.
3. Gently pry the lock tab downward until it unsnaps from the lamp bezel.
4. Swing the lock tab downward until it is perpendicular to the lamp bezel.
5. Pull the lamp away from the headliner mounting hole far enough to access and disconnect the wire harness connector from the back of the lamp.
6. Remove the lamp from the vehicle.

WITH OVERHEAD CONSOLE

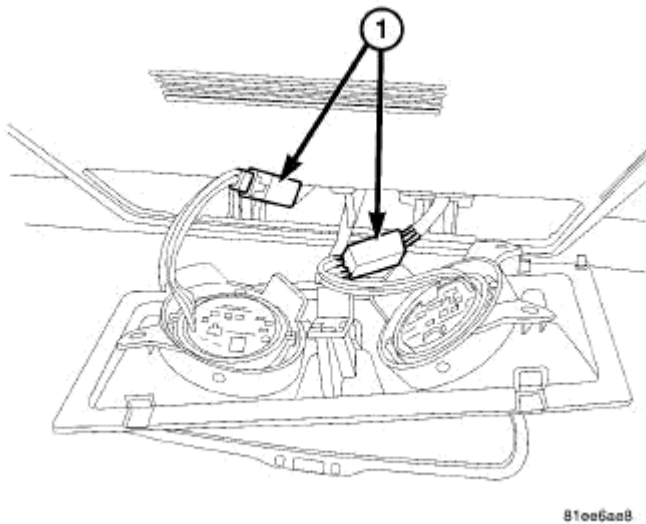


Fig. 20: Light Emitting Diode (With Overhead Console)
 Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Using a trim stick or another suitable wide flat-bladed tool, gently pry the edge of the lamp housing away from the overhead console far enough to disengage the four (two at the front and two at the rear) integral latch features.
3. Pull the lamp away from the overhead console mounting hole far enough to access and disconnect the wire harness connectors (1) from the back of the lamp.
4. Remove the lamp from the vehicle.

LAMP - SINGLE

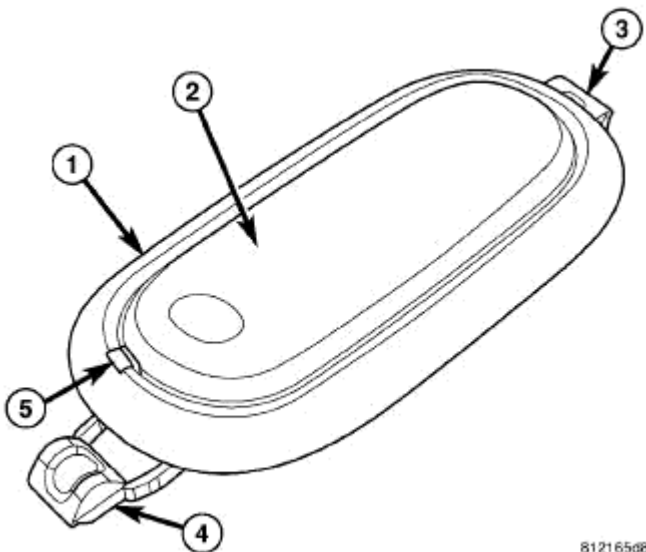


Fig. 21: Removing/Installing Rear Lamp
 Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Insert the tip of a small flat bladed screwdriver into the notch (5) in the bezel between the lens (2) and the housing (1) on one side of the dome lamp unit.
3. Gently pry the end of the lens downward until it unsnaps from the housing.
4. Swing the lens downward until it is perpendicular to the housing.
5. Pull the lens hinge/retainer end (3) of the housing outward slightly from the headliner, then slide the exposed end of the housing away from the mounting hole far enough to disengage the fixed retainer (4) on the notched end from the headliner.
6. Pull the lamp away from the headliner mounting hole far enough to access and disconnect the wire harness connector from the back of the lamp.
7. Remove the lamp from the vehicle.

LIGHT EMITTING DIODE UNIT

NOTE: Each Light Emitting Diode (LED) dome/reading lamp contains two articulating eyeball-type LED pod units with integral lens-actuated switches and printed circuit boards that are available for separate service replacement. The rear LED dome/reading lamp also has a fixed auxiliary LED and printed circuit board unit which is also available for separate service replacement.

ARTICULATED EYEBALL POD UNIT

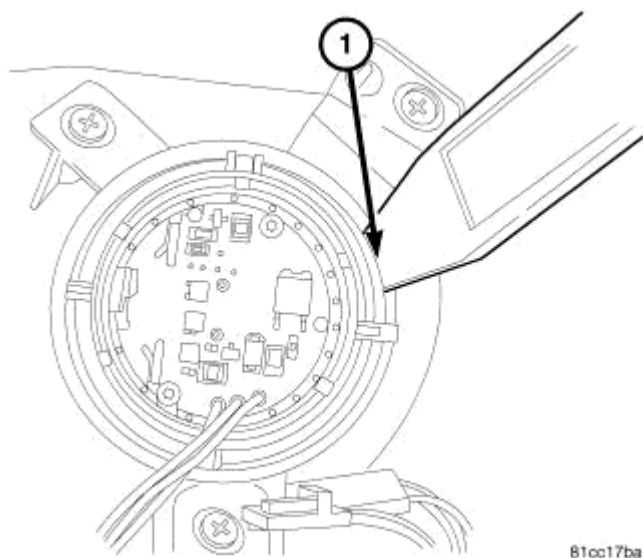


Fig. 22: Removing/Installing Light Pod Using Trim Stick
 Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Remove the LED dome/reading lamp unit. See **Removal**.

3. Using a trim stick or another suitable wide flat-bladed tool, gently pry the pod (1) upward far enough to disengage the pivot pin on one side of the pod from the pivot socket of the pod receptacle.
4. Lift the pod out of its receptacle within the dome/reading lamp housing.
5. On rear LED dome/reading lamp units only, from the top of the lamp housing, disconnect the pod pigtail wire connector from the fixed auxiliary LED lamp printed circuit board in the center of the lamp.

FIXED AUXILIARY LED AND CIRCUIT BOARD UNIT

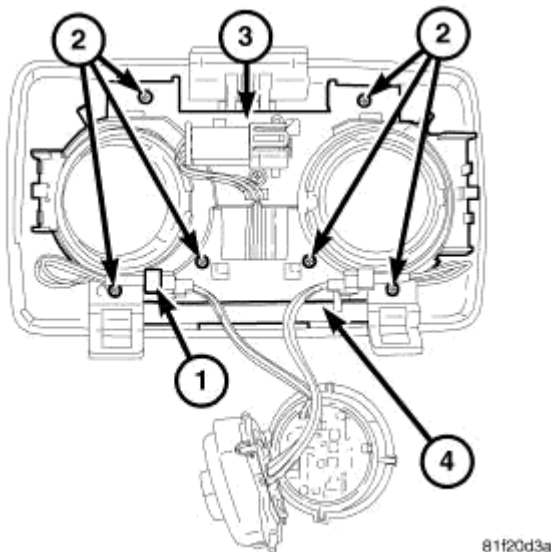


Fig. 23: Fixed Auxiliary Led And Circuit Board Unit

Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Remove the rear LED dome/reading lamp unit. See **Removal**.
3. Remove and disconnect the two articulated eyeball LED pods (1) from the lamp housing.
4. Disconnect the lamp wiring from the auxiliary LED wiring connector (3).
5. Remove the six screws (2) that secure the printed circuit board to the lamp housing.
6. Remove the auxiliary LED and circuit board unit from the lamp housing (4).

INSTALLATION

BULB - DUAL LAMP

CAUTION: Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.

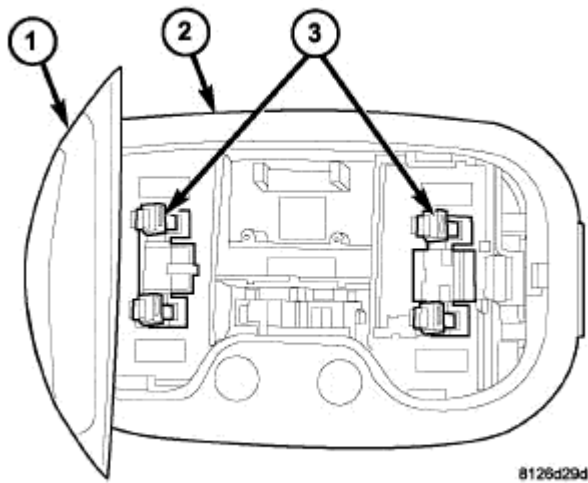
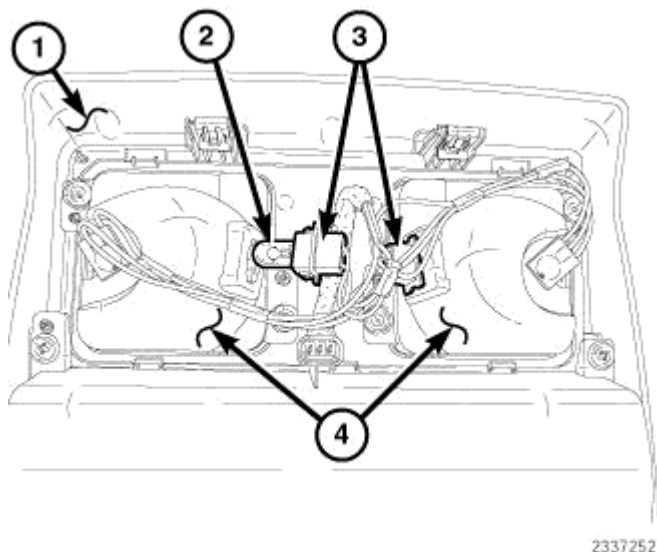


Fig. 24: Dual Dome/Reading Lamp
Courtesy of CHRYSLER LLC

1. With the dome/reading lamp lens (1) in the open position, align the ends of the bulb (3) with the two bulb holders within the lamp housing (2).
2. Carefully press the bulb firmly and evenly into the bulb holders until it snaps into place.
3. Reinstall the lamp into the headliner. See **Installation** .
4. Reconnect the battery negative cable.

BULB - OVERHEAD CONSOLE

CAUTION: Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.



2337252

Fig. 25: Dome/Reading Lamp Socket

Courtesy of CHRYSLER LLC

1. Align the base of the bulb (2) with the overhead console dome/reading lamp socket (3).
2. Push the bulb straight into the socket until the base is fully seated.
3. Align the socket and bulb with the keyed opening in the lamp housing (4).
4. Insert the bulb and socket straight into the housing until the socket latch features are both fully engaged.
5. Reinstall the overhead console (1) to the headliner. Refer to **Electrical - Message Systems/Overhead Console - Installation** .
6. Reconnect the battery negative cable.

BULB - SINGLE LAMP

CAUTION: Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.

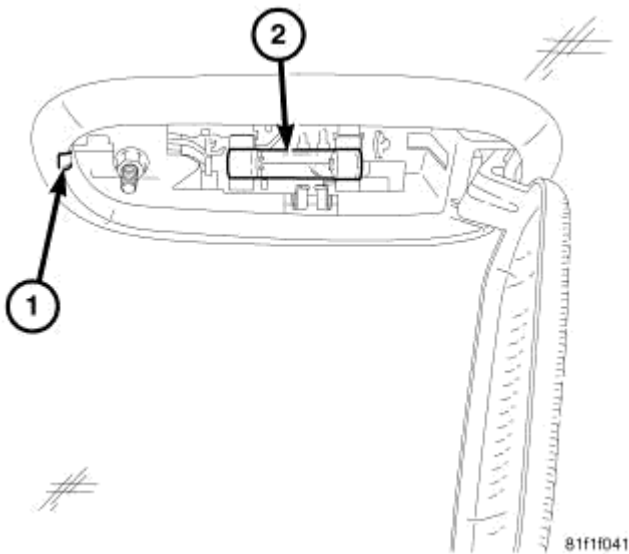


Fig. 26: Single Lamp

Courtesy of CHRYSLER LLC

1. Align the ends of the bulb (2) with the two bulb holders within the dome lamp housing.
2. Carefully press the bulb firmly and evenly into the bulb holders until it snaps into place.
3. Swing the notched end of the lens up into position against the housing, then press upward on the lens firmly and evenly until it snaps into the housing.
4. Reconnect the battery negative cable.

LAMP - DUAL

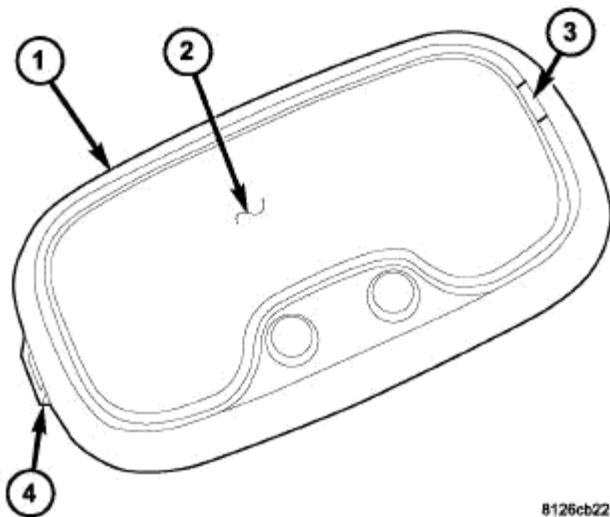


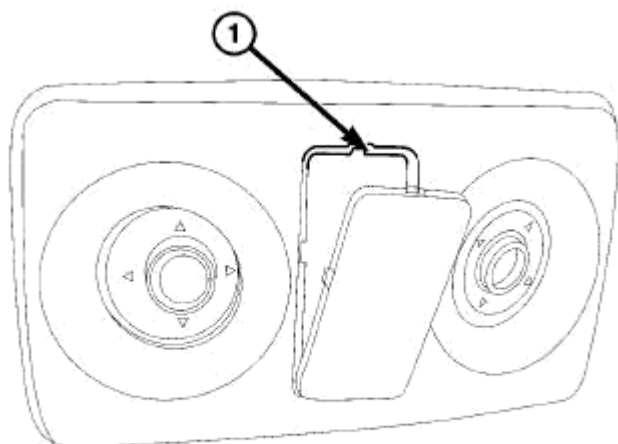
Fig. 27: View Of Dome Lamp Unit

Courtesy of CHRYSLER LLC

1. Position the dome/reading lamp unit (1) to the mounting hole in the headliner.
2. Reconnect the wire harness connector to the connector receptacle on the back of the lamp.
3. Insert the fixed retainer on the notched (3) end of the lamp housing up into one side of the mounting hole in the headliner.
4. Slide the notched end of the housing into the mounting hole far enough to engage the lens hinge/retainer (4) into the opposite side of the hole in the headliner.
5. Gently and evenly press the lens hinge/retainer end of the lamp upward into the mounting hole until the bezel of the lamp housing is flush with the headliner.
6. Swing the notched end of the lamp lens (2) up into position against the lamp housing, then press upward on the lens firmly and evenly until it snaps into the housing.
7. Reconnect the battery negative cable.

LAMP - LIGHT EMITTING DIODE

EXCEPT WITH OVERHEAD CONSOLE



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Fig. 28: Light Emitting Diode (Except With Overhead Console)

Courtesy of CHRYSLER LLC

1. Position the dome/reading lamp to the headliner mounting hole.
2. Reconnect the wire harness connector to the back of the lamp.
3. Insert the fixed retainers on one edge of the lamp housing up over the edge of the mounting hole in the headliner.
4. Slide the lamp housing into the mounting hole far enough to engage the other edge of the lamp housing into the hole in the headliner.
5. Gently and evenly press the lamp housing into the mounting hole until the bezel is flush with the headliner.

6. Swing the lock tab up against the lamp bezel and align it with the opening (1) between the two Light Emitting Diode (LED) pod units.
7. Press upward firmly and evenly on the lock tab until it snaps into the lamp bezel opening.
8. Reconnect the battery negative cable.

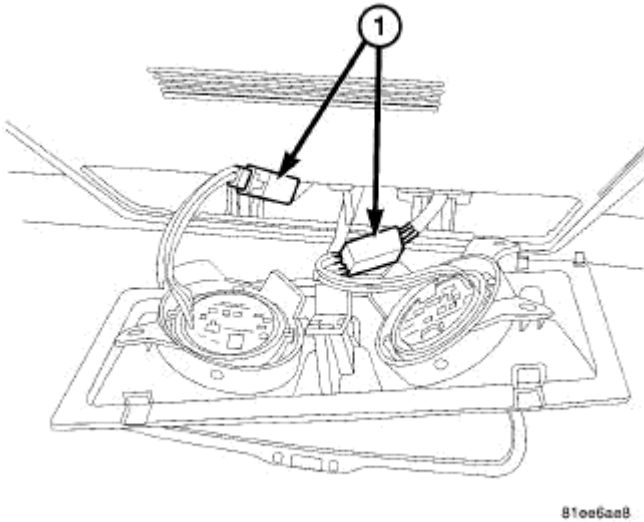
WITH OVERHEAD CONSOLE

Fig. 29: Light Emitting Diode (Except With Overhead Console)
Courtesy of CHRYSLER LLC

1. Position dome/reading lamp to the overhead console mounting hole.
2. Reconnect the wire harness connectors (1) to the back of the lamp.
3. Align the lamp housing to the overhead console mounting hole.
4. Press upward firmly and evenly on the lamp bezel until the four (two at the front and two at the rear) integral latch features snap into place.
5. Reconnect the battery negative cable.

LAMP - SINGLE

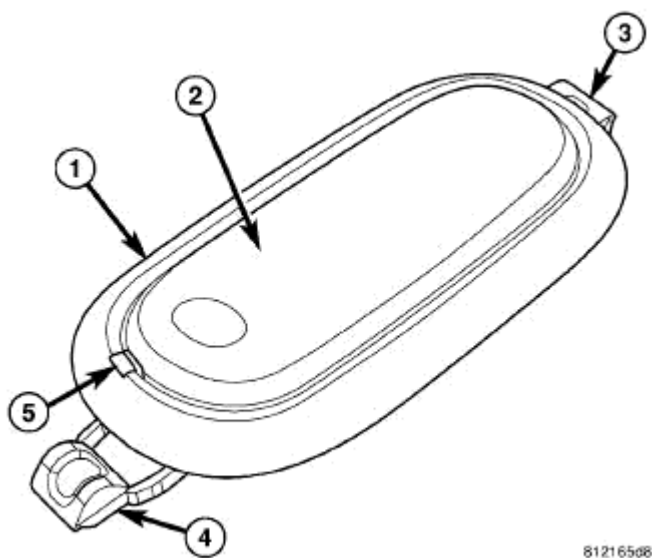


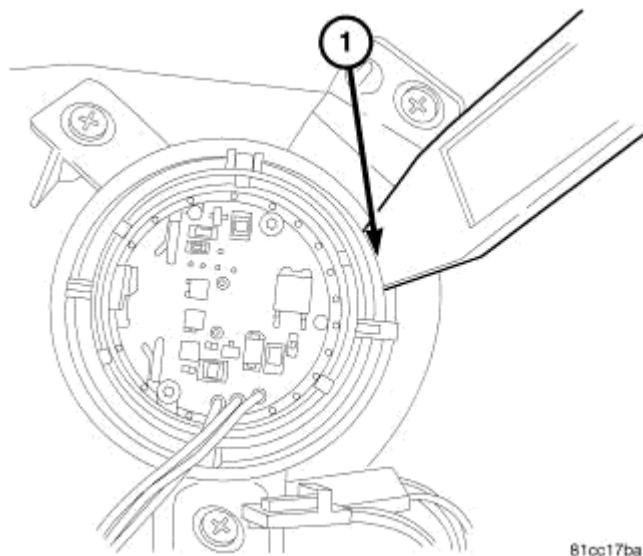
Fig. 30: Removing/Installing Rear Lamp
Courtesy of CHRYSLER LLC

1. Position the dome lamp unit (1) to the mounting hole in the headliner.
2. Reconnect the wire harness connector to the connector on the back of the lamp.
3. Insert the fixed retainer (4) on the notched (5) end of the lamp housing up into one side of the mounting hole in the headliner.
4. Slide the notched end of the housing into the mounting hole far enough to engage the lens hinge/retainer (3) into the opposite side of the hole in the headliner.
5. Gently and evenly press the lens hinge/retainer end of the lamp into the mounting hole until the bezel of the lamp housing is flush with the headliner.
6. Swing the notched end of the lamp lens (2) into position against the lamp housing, then press on the lens firmly and evenly until it snaps into the housing.
7. Reconnect the battery negative cable.

LIGHT EMITTING DIODE UNIT

NOTE: Each Light Emitting Diode (LED) dome/reading lamp contains two articulating eyeball-type LED pod units with integral lens-actuated switches and printed circuit boards that are available for separate service replacement. The rear LED dome/reading lamp also has a fixed auxiliary LED and printed circuit board unit which is also available for separate service replacement.

ARTICULATED EYEBALL POD UNIT

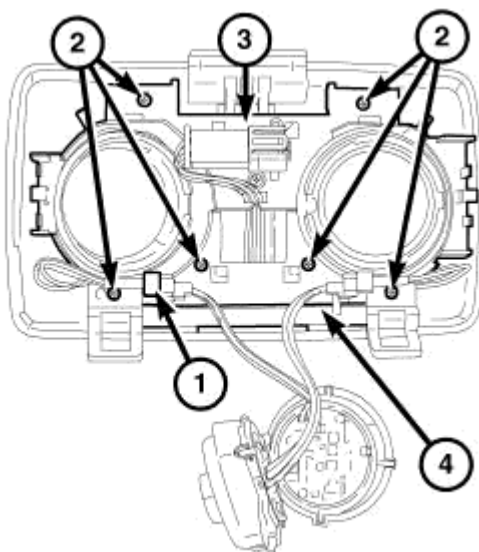


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Fig. 31: Removing/Installing Light Pod Using Trim Stick
Courtesy of CHRYSLER LLC

1. On rear LED dome/reading lamp units only, from the top of the lamp housing, reconnect the pod pigtail wire connector to the fixed auxiliary LED lamp printed circuit board in the center of the lamp.
2. Align the LED lamp pod (1) with the receptacle within the dome/reading lamp housing.
3. Engage the pivot pin on one side of the pod with the pivot socket on one side of the pod receptacle.
4. Using a trim stick or another suitable wide flat-bladed tool, gently pry the receptacle outward far enough to engage the pivot pin on the other side of the pod with the other pivot socket.
5. Using a trim stick or equivalent, flex the housing at point (1) and install lamp pod.
6. Reinstall the LED dome/reading lamp unit. See **Installation** .
7. Reconnect the battery negative cable.

FIXED AUXILIARY LED AND CIRCUIT BOARD UNIT



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Fig. 32: Fixed Auxiliary Led And Circuit Board Unit
Courtesy of CHRYSLER LLC

1. Position the auxiliary LED and circuit board unit (4) into the lamp housing.
2. Install and tighten the six screws (2) that secure the printed circuit board to the lamp housing. Tighten the screws securely.
3. Reconnect the lamp wiring to the auxiliary LED wiring connector (3).
4. Reinstall and reconnect (1) the two articulated eyeball LED pods into the lamp housing.
5. Reinstall the rear LED dome/reading lamp unit. See **Installation** .
6. Reconnect the battery negative cable.

LAMP, GLOVE BOX

REMOVAL

BULB

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor, 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 SRS. Failure to take the proper precautions could result in accidental airbag deployment.

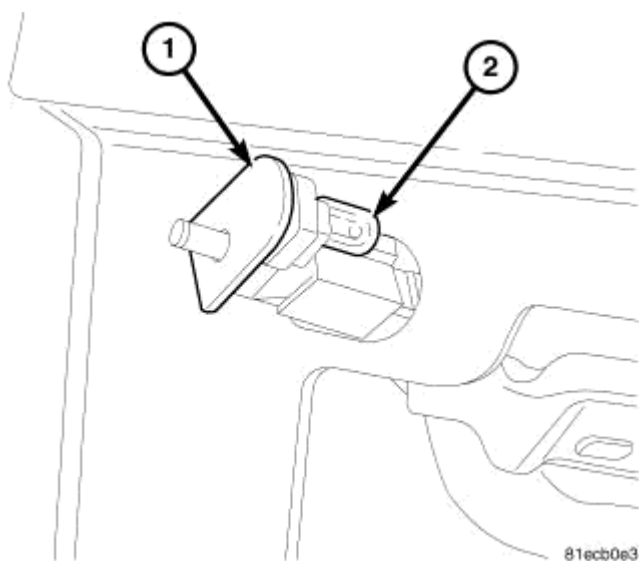


Fig. 33: Bulb
Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.

2. Open the glove box door.
3. Reach through and behind the upper outboard corner of instrument panel glove box opening to access the bulb (2) on the side of the glove box lamp and switch unit (1).
4. Pull the base of the bulb straight out of the bulb holder.

LAMP/SWITCH

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor, 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 SRS. Failure to take the proper precautions could result in accidental airbag deployment.

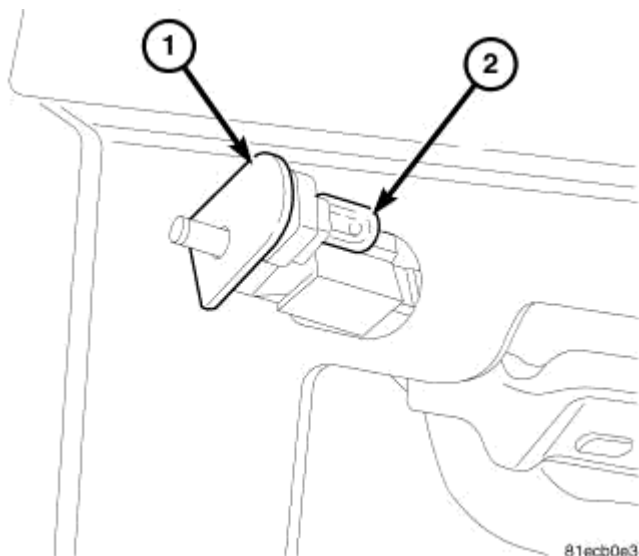


Fig. 34: Bulb

Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Open the glove box door.
3. Reach through and behind the upper outboard corner of instrument panel glove box opening to access and depress the retaining latch on either side of the glove box lamp and switch unit (1).
4. While holding the retaining latch depressed, push the glove box lamp and switch unit out through the mounting hole in the face of the instrument panel.
5. Disconnect the wire harness connector from the glove box lamp and switch.
6. Remove the lamp and switch unit from the instrument panel.

INSTALLATION

BULB

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor, 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 SRS. Failure to take the proper precautions could result in accidental airbag deployment.

CAUTION: Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.

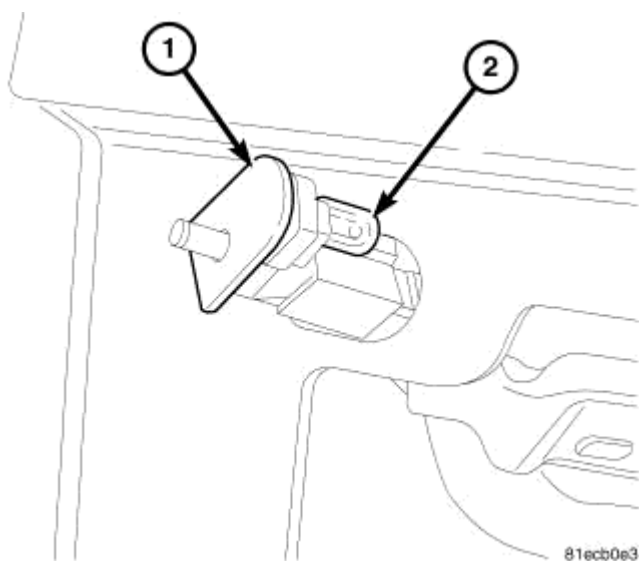


Fig. 35: Bulb

Courtesy of CHRYSLER LLC

1. Reach through and behind the upper outboard corner of instrument panel glove box opening to align the base of the bulb (2) with the bulb holder on the side of the glove box lamp and switch unit (1).
2. Push the bulb straight into the bulb holder until the base is firmly seated.
3. Close the glove box door.
4. Reconnect the battery negative cable.

LAMP/SWITCH

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor, 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 SRS. Failure to take the proper precautions could result in accidental airbag deployment.

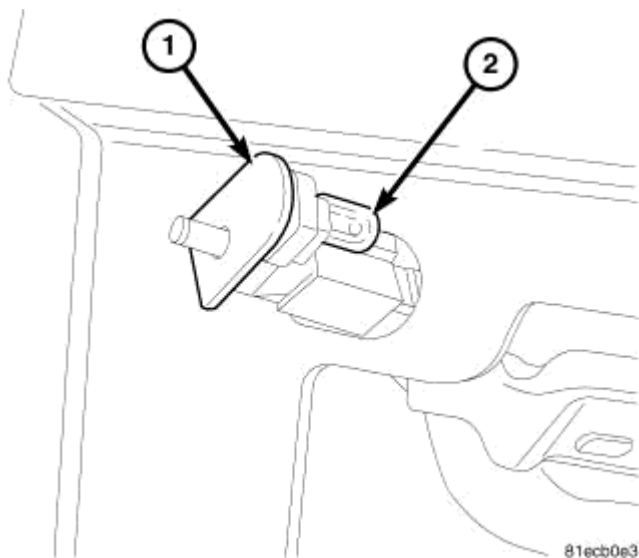


Fig. 36: Bulb

Courtesy of CHRYSLER LLC

1. Position the glove box lamp and switch unit (1) to the instrument panel glove box opening.
2. Reconnect the wire harness connector to the lamp and switch unit.
3. Feed the wire harness back through the switch mounting hole.
4. Align the lamp and switch unit with the mounting hole in the instrument panel.
5. Using hand pressure, push the lamp and switch unit firmly and evenly into the mounting hole until it is fully seated.
6. Close the glove box door.
7. Reconnect the battery negative cable.

LAMP, TRANSMISSION RANGE INDICATOR

REMOVAL

REMOVAL

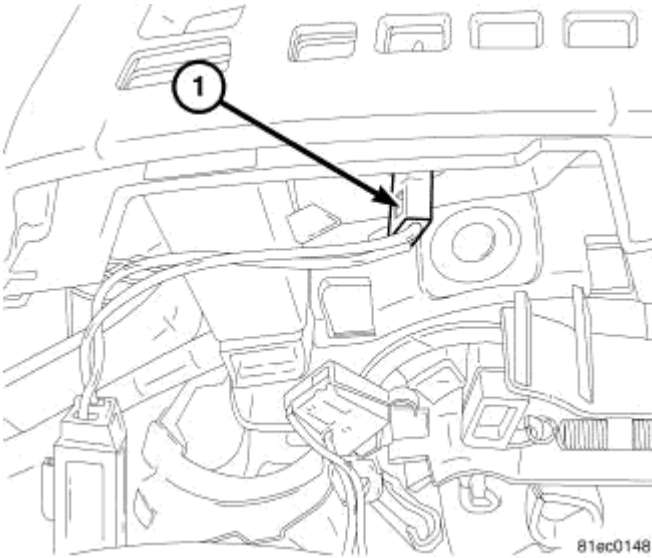


Fig. 37: Transmission Range Indicator

Courtesy of CHRYSLER LLC

1. Disconnect and isolate battery negative cable.
2. Remove the center floor console to access the gear selector unit. Refer to **Body/Interior/CONSOLE, Center - Removal**.
3. Firmly grasp the socket (1) on the side of the gear selector housing and rotate it counterclockwise about 30 degrees to unlock it.
4. Pull the socket and bulb straight out from the keyed opening in the shifter housing.
5. Pull the base of the bulb straight out of the socket.

INSTALLATION

INSTALLATION

CAUTION: Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.

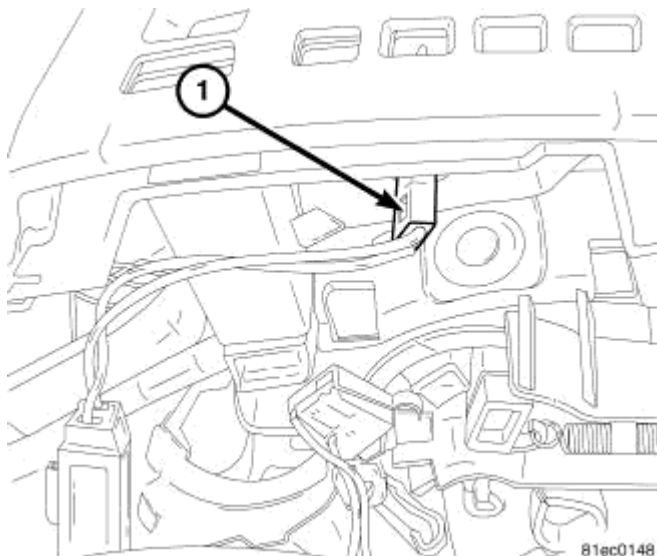


Fig. 38: Transmission Range Indicator

Courtesy of CHRYSLER LLC

1. Align the base of the bulb with the socket (1) on the side of the gear selector housing.
2. Push the bulb straight into the socket until the base is firmly seated.
3. Align the socket and bulb with the keyed opening in the side of the gear selector housing.
4. Insert the bulb and socket into the housing until the socket is firmly seated.
5. Rotate the socket clockwise about 30 degrees to lock it into place.
6. Reinstall the center floor console. Refer to **Body/Interior/CONSOLE, Center - Installation**.
7. Reconnect the battery negative cable.

LAMP, VANITY

REMOVAL

REMOVAL

NOTE: Vehicles equipped with optional vanity lamps have a lamp on each side of a covered mirror that is integral to each sun visor. Both lamps are controlled by an integral switch that is automatically actuated by the mirror cover. The bulb types and service procedures are identical for both of these lamps.

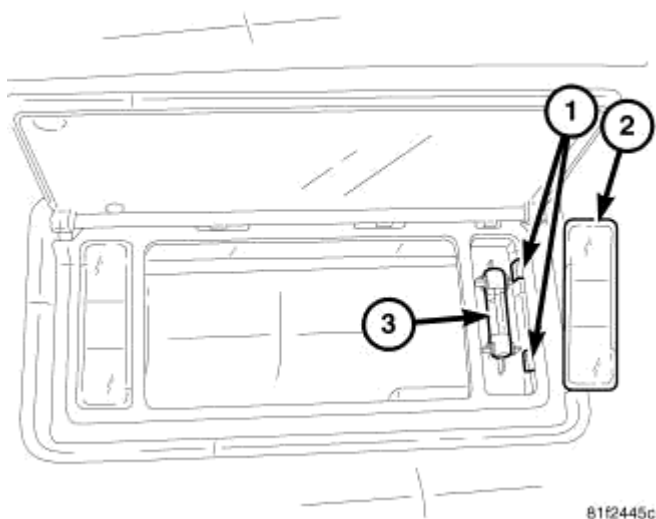


Fig. 39: Vanity Lamp

Courtesy of CHRYSLER LLC

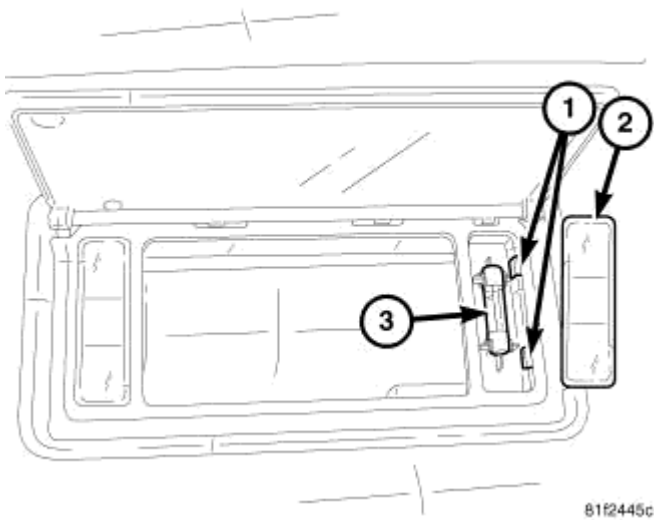
1. Disconnect and isolate the battery negative cable.
2. Open the lighted vanity mirror cover.
3. Using a small flat-bladed screwdriver, gently pry between the lamp lens (2) and housing (1) far enough to disengage the two tabs (1) at the outboard side of the lens from the lamp housing.
4. Carefully unsnap the bulb (3) from the two bulb holders within the lamp housing.
5. Remove the bulb from the lamp.

INSTALLATION

INSTALLATION

CAUTION: Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.

NOTE: Vehicles equipped with optional vanity lamps have a lamp on each side of a covered mirror that is integral to each sun visor. Both lamps are controlled by an integral switch that is automatically actuated by the mirror cover. The bulb types and service procedures are identical for both of these lamps.

**Fig. 40: Vanity Lamp**

Courtesy of CHRYSLER LLC

1. Align the ends of the bulb (3) with the two bulb holders within the vanity lamp housing.
2. Carefully press the bulb firmly and evenly into the bulb holders until it snaps into place.
3. Engage the tabs on the inboard edge of the lens (2) within the lamp housing.
4. Using hand pressure, press the outboard edge of the lens over the lamp housing until the two tabs (1) at the outboard edge of the lens snap into place.
5. Reconnect the battery negative cable.