



Ziza® Interior Lighting Package Installation Procedures



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Part Number [ES2580513](#)
fits:
R56 MINI Cooper
R56 MINI Cooper S
R56 MINI Cooper JCW
(8/2010+)

Ziza Interior Lighting Package Installation

ES2580513



Fits MINI Cooper

LED Installation Instructions

Interior Lighting Kit for MINI Cooper

Models: R56 MINI Cooper, Cooper S, Cooper JCW from 8/2010 production

ES2580513



Tools

Trim removal tool – ES517779 (Kit)
T15 and T20 Torx® drivers

Kit Contents

8-chip wedge base white LED (qty 7)
9-chip wedge base white LED (qty 3)
36mm white LED festoon (qty 1)

This tutorial explains how to install the LEDs in your Ziza Interior Lighting Kit.



Make the job easier and prevent damage to headliners and other interior trim with **ECS Tuning Trim and Molding Removal Tool Sets: [ES2500877](#) and [ES517779](#).**

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What are LEDs?

LEDs are Light Emitting Diodes, solid state devices that emit light when connected to electrical current. They have no moving parts or wire filaments to burn out. They emit a whiter light, run cooler, and last longer than the incandescent (filament style bulbs) we are replacing in this tutorial.

Unlike filament bulbs, LEDs are polarity sensitive. They have plus and minus (positive and negative) electrical terminals that must match the polarity of the applied voltage. Installing the bulbs “backwards” in the light bulb sockets (with reversed polarity) will not harm them, but they will not light. Flipping the bulb 180 degrees in the electrical connector cures this problem.

Bulb Types

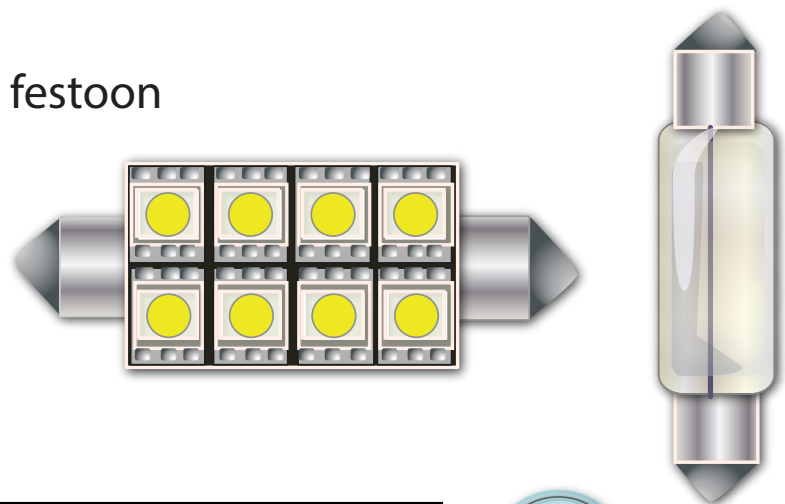
This kit includes two bulb types, classified by their general shape.

FESTOON - Conventional incandescent **festoon** bulbs have a shape and general appearance that is similar to a glass fuse.

Metal caps attached to both ends of a glass tube are sealed to the tube and attached to the bulb filament. End caps mount the bulb in its holder and also conduct electrical current.

LED festoon lights have the same pointed end caps, but are attached to a bank of LEDs instead of a filament tube.

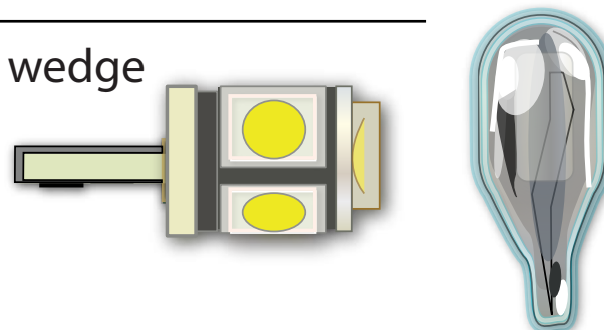
festoon



WEDGE - Wedge style bulbs get their name from the shape of the bulb base. The tapered end of the bulb “wedges” into the bulb socket.

LED wedge lights fit the bulb socket like a filament bulb, but are polarity sensitive.

wedge



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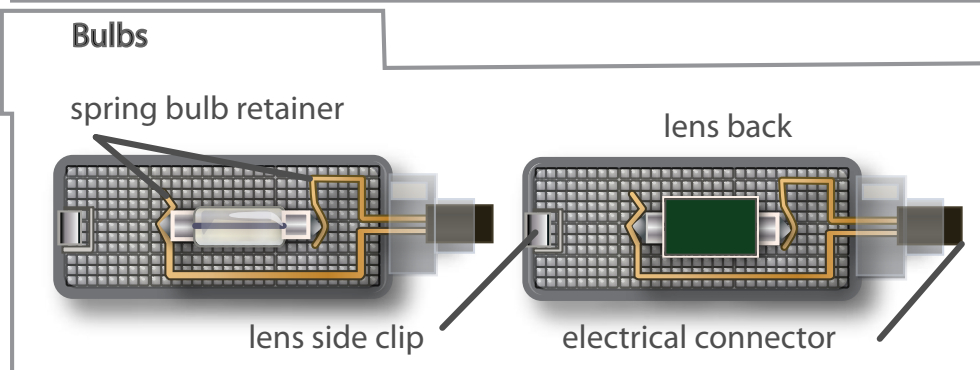
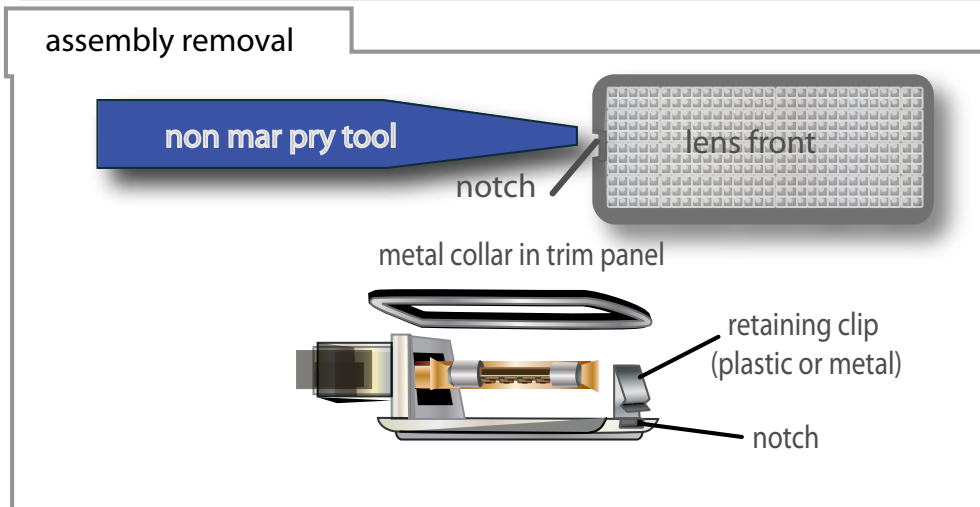
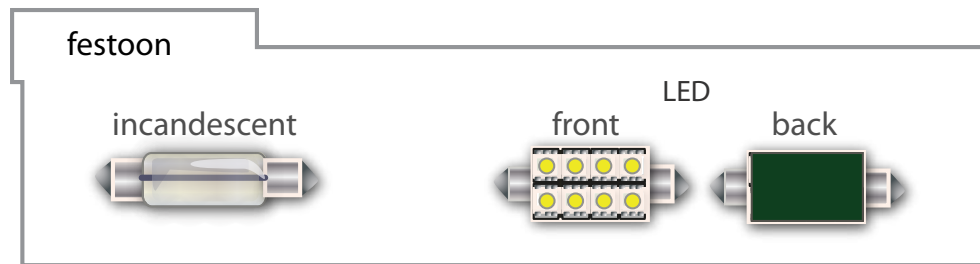
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General Tips

- When prying down on the assemblies to remove them, pry on the notched end of the lens. Insert the narrow tool tip **between** the lens plastic and any metal collar used to reinforce the lens mounting hole. Push in on the retaining clip first to compress and release it. Then pry down.
- The spring bulb retainer is also the circuit conductor. If necessary, gently bend the metal retainer so it holds the bulb tight. This will help prevent intermittent or flickering LED operation caused by a loose connection.
- Install the bulbs with the LEDs facing toward the lens.



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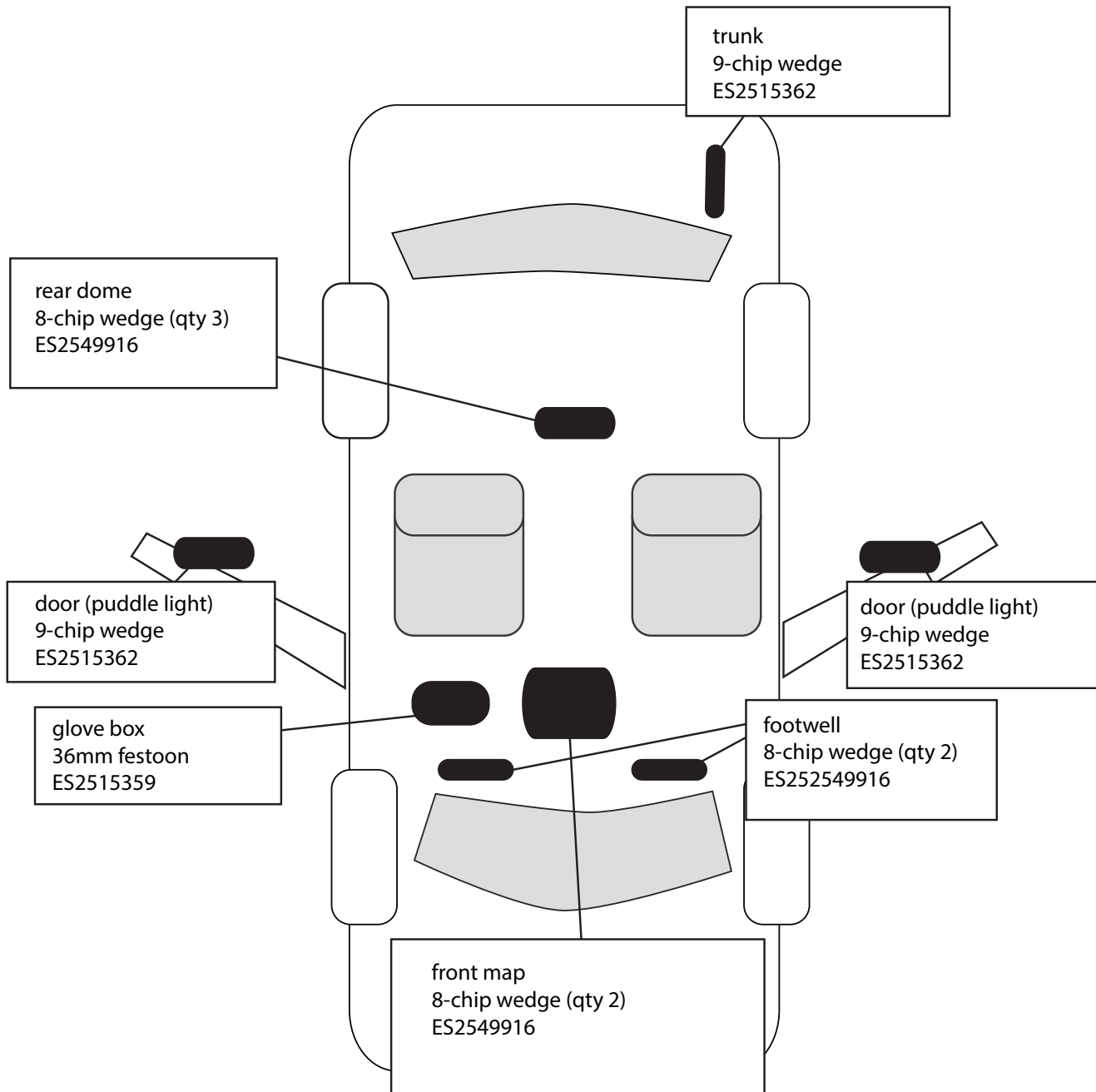
Fits MINI Cooper

Ziza Interior Lighting Kit Locations

Make ___ MINI _____

Model ___ R56 MINI Cooper ___ Cooper S ___ Cooper JCW ___ from 8/2010 production

Kit Part Number ___ ES2580513 _____



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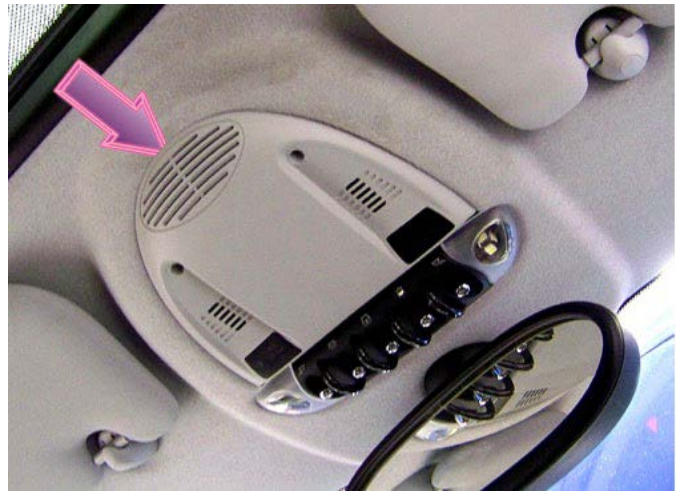
Fits MINI Cooper

Front Map Light LED Installation



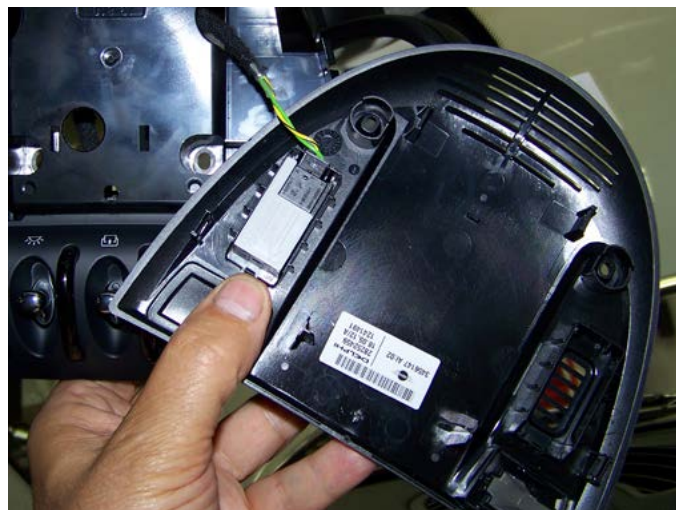
Front Map - Step 1

Pry down on the rear of the console trim cover to release and remove it.



Front Map - Step 2

Note: On models equipped with the feature, disconnect the bluetooth speaker before removing the cover completely.



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Front Map - Step 3

Using a T20 Torx® driver, remove the two screws in the map light console.

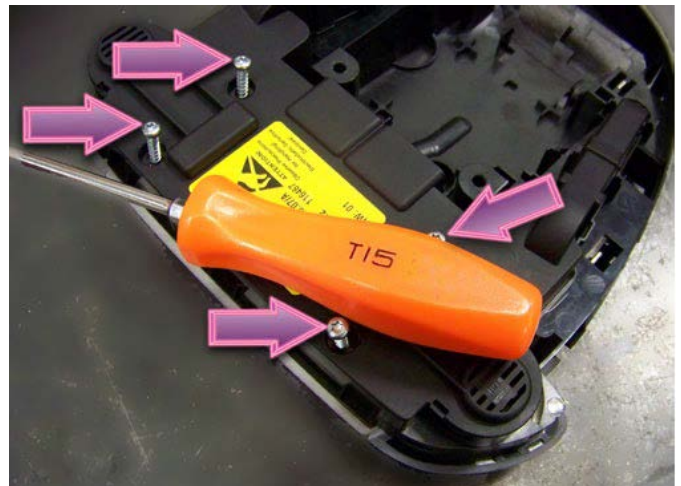
Drop the console down.

(Disconnect the electrical connectors and take the light assembly to a clean work surface.)



Front Map - Step 4

Using a T15 Torx driver, remove the four screws (arrows) from the rear console cover.



Front Map - Step 5

Lift and remove the rear console cover. The cover is also held in place by several plastic clips. Pry carefully to release all clips to avoid breaking them.

Lift the rear cover off.



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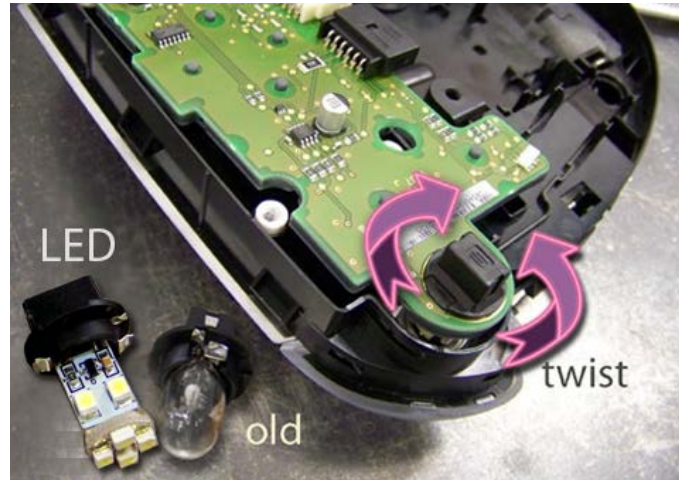
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Front Map - Step 6

Twist and remove the bulb holders from the rear of the console.

Replace the old glass bulbs with 8-chip LEDs.

Insert the bulb holders into the bulb sockets and twist to lock them in place.

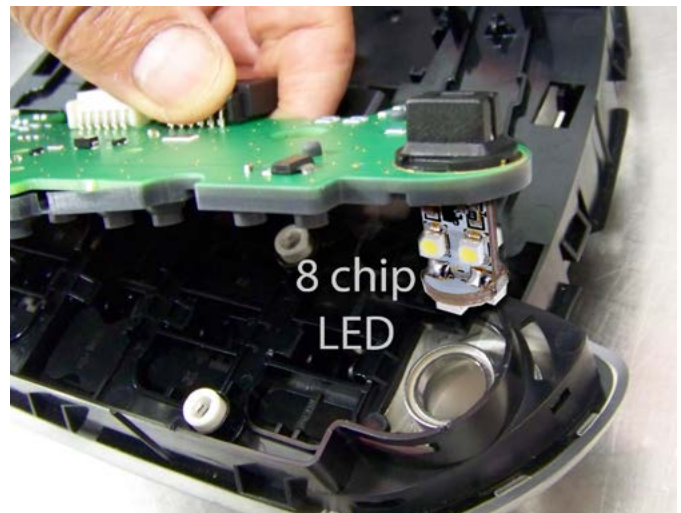


Front Map - Step 7

Test the LEDs.

Lift the bulb socket circuit board from the light housing and temporarily plug in the electrical connectors at the headliner opening.

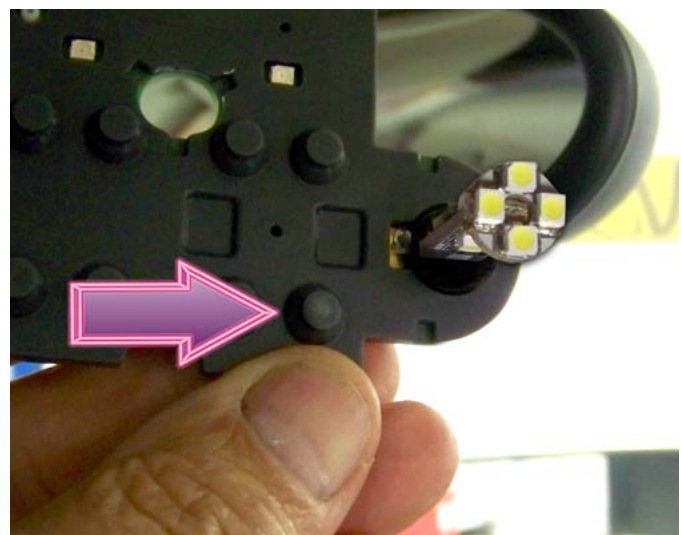
Caution: Do NOT tip the lower housing upside down while the circuit board is removed or the plastic switch pivot pieces will fall out. Leave the housing sitting face up as shown as you lift off the circuit board.



Front Map - Step 8

With the circuit board plugged in at the harness, press on the raised rubber nub (arrow) to activate the switch and test the LEDs.

If either LED does not work when tested, remove the bulb holder and rotate it 180 degrees to get it working.



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Front Map - Step 9

Reinstall the circuit board in the housing.

Reinstall the rear cover and the screws removed in Step 4.



Front Map - Step 10

Connect the wiring.

Note: On cars with the bluetooth microphone, be sure to route the wire harness through the opening in the housing so it can be reconnected to the microphone in the trim panel.

Reinstall the light housing and replace the two screws removed earlier (arrows).



Front Map - Step 11

If equipped with the feature, reconnect the bluetooth microphone electrical connector.

Snap the dome light trim panel back in place to complete the dome light installation.



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Rear Dome, Glove Box, Trunk, and Footwell, LED Installation



Rear Dome - Step 1

Insert the trim tool at the side of the rear dome light and pry down to remove the assembly.

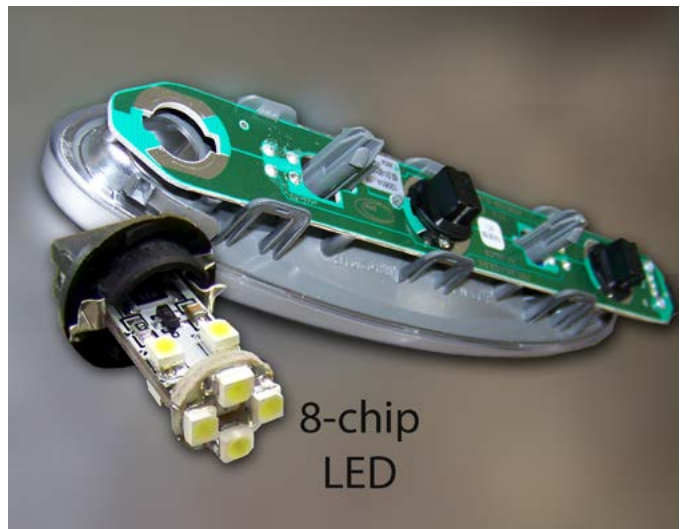


Rear Dome - Step 2

Replace the original glass wedge base bulbs with 5-chip wedge base LEDs.

The LEDs are polarity sensitive. If any of the LEDs fails to light when initially tested, remove and rotate the bulb holder 180 degrees in the socket to get it working.

Pop the light assembly back into the headliner.



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Glove Box - Step 1

Pry on the notched side of the glove box light and pivot the assembly down and out.



Glove Box - Step 2

Replace the original glass bulb with a 36mm festoon LED array.

The LED chips should face toward the lens.

Snap the glove box light back in place to complete the glove box LED installation.



Trunk LED

Using a non marring trim removal tool, pry on the notched end of the trunk light assembly, located in the left side trunk liner.

Replace the original wedge base glass bulb with a 9-chip wedge base LED festoon.

The LED array is polarity sensitive. If it does not work when initially installed, remove the LED and flip it 180 degrees in the holder.

Reinstall the light assembly.



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Puddle Lamps - Step 1

Pry down on the notched end of the puddle lamp light assemblies in the door bottoms to remove them.

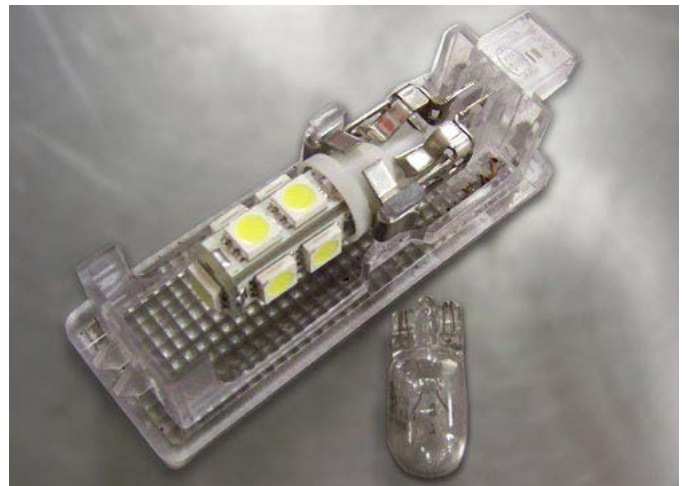


Puddle Lamps - Step 2

Replace the original glass filament bulb with a 9-chip LED wedge base array.

The LED array is polarity sensitive. If it does not work when initially installed, flip it 180 degrees in the bulb holder to get it working.

Repeat the process at the opposite door.



Footwell Lamps - Step 1

Using the same technique used on the puddle lamps, reach up under the dash and pry the light assemblies from the under dash panels.

Note: An alternate method is to reach up behind the edge of the under dash panel and push downward on the back side of the light assembly on the side away from the electrical connector.



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Footwell Lamps - Step 2

Pull the bulb holder from the light assembly and remove the old filament bulb.



Footwell Lamps - Step 3

- Insert a 5-chip wedge base LED into the bulb holder.
- Insert the bulb holder into the white plastic light housing.

The LED array is polarity sensitive. If it does not work when initially installed, remove the LED and rotate it 180 degrees in the holder.

- Replace the light assembly in the under dash panel, and repeat the process at the opposite side footwell.



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This concludes the installation of the Ziza Interior Light Kit.