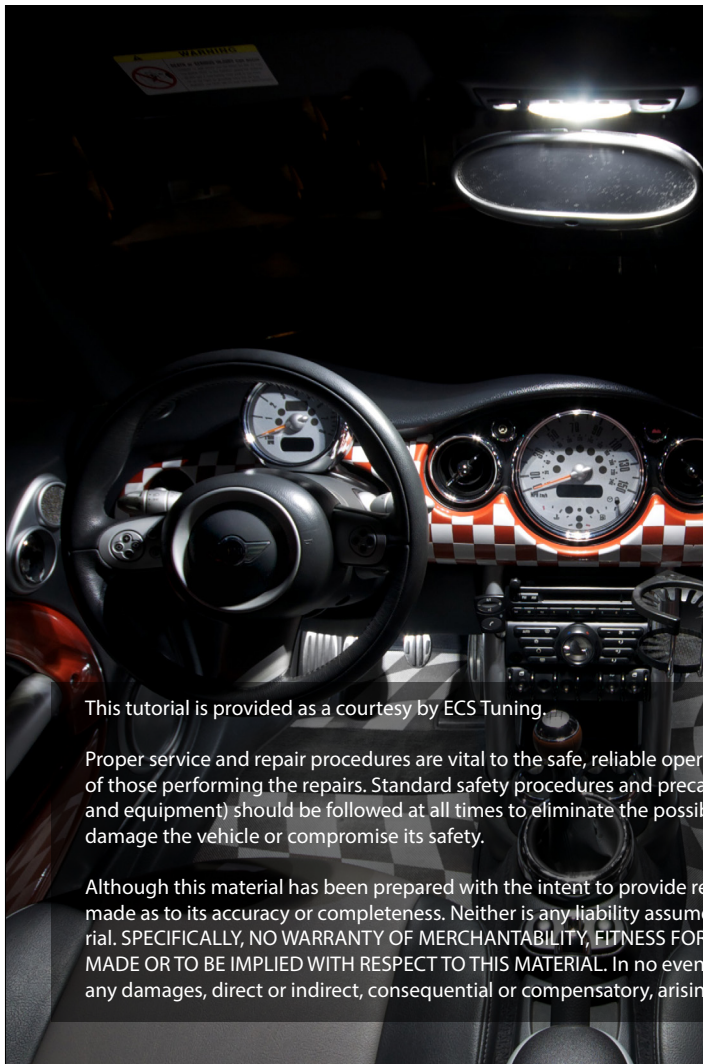


ECS TUNING

Installation Procedures



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Part Number **ES2576077**
for
R52 MINI Cooper Convertible
R52 MINI Cooper Convertible S
(2005-2008)

Ziza Interior Lighting Package Installation

ES2576077



Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

LED Installation Instructions

Interior Lighting Kit for MINI (R52) Convertible and Convertible S
Model Years 2005-2008
ES2576077



Ziza
performance automotive lighting

Tools

trim removal tool – ES517779 (kit)
small common screwdriver

Kit Contents

5-chip wedge base white LED (qty 3)
9-chip wedge base white LED (qty 5)
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](#).**

Ziza Interior Lighting Package Installation

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Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

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

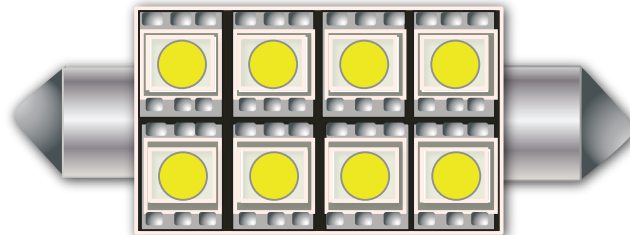
This kit includes two bulb types, classified by their general shape.

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.

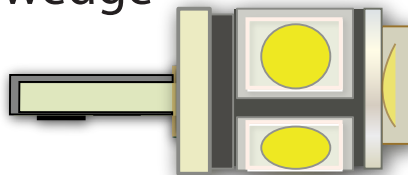
festoon



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



Ziza Interior Lighting Package Installation

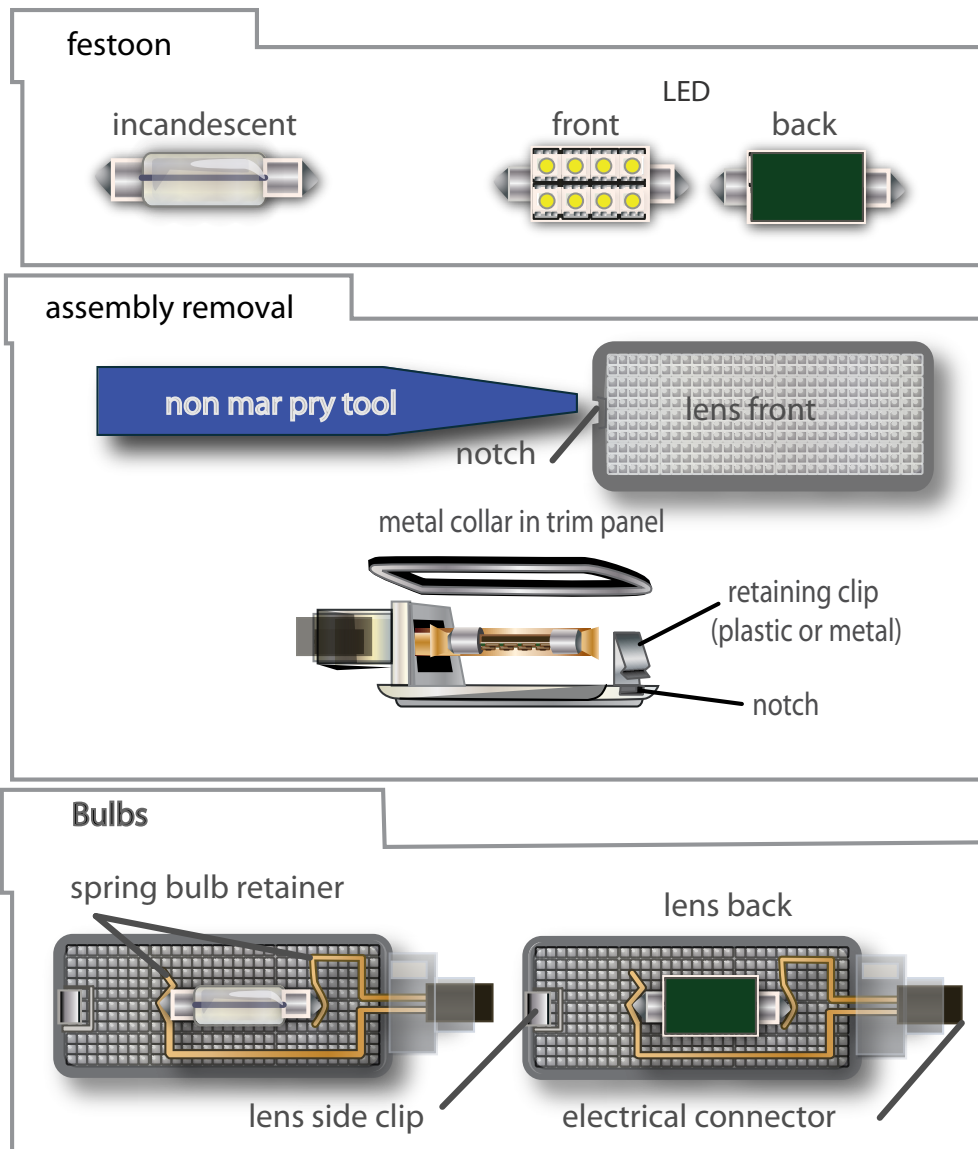
ES2576077



Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

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.



Ziza Interior Lighting Package Installation

ES2576077



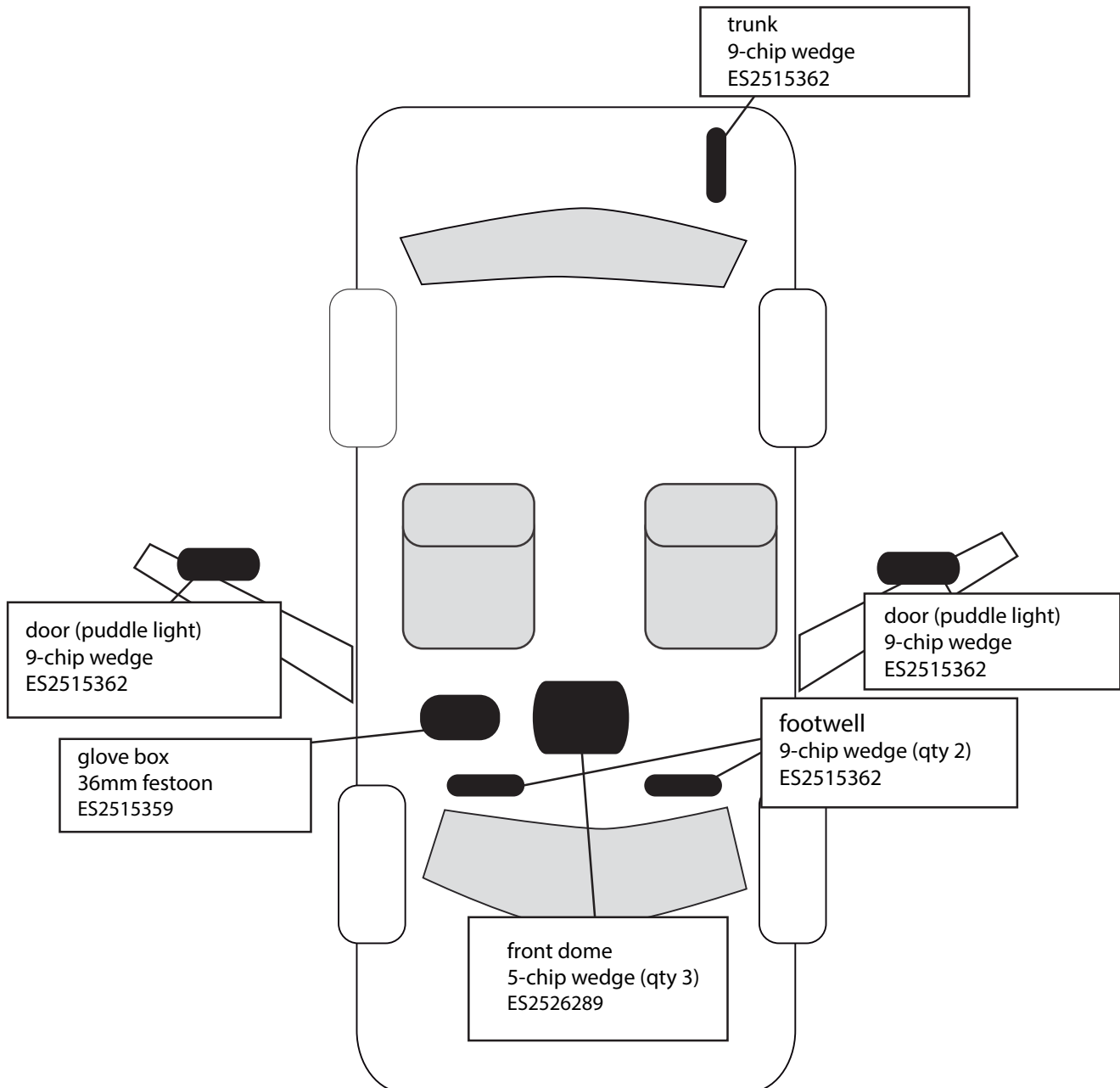
Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

Ziza Interior Lighting Kit Locations 2-Door Applications

Make _____ MINI _____

Model _____ R52 Cooper Convertible and Convertible S _____

Kit Part Number _____ ES2576077 _____



Ziza Interior Lighting Package Installation

ES2576077



Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

Front Dome and Glove Box LED Installation



Front Dome - Step 1

Insert the flat tip of your trim removal tool between the dome light housing and light fixture.

Press up and in with the tool tip just far enough to compress the spring clips in the light assembly. Then pry down.

(See the next step for the exact location of the spring clips.)

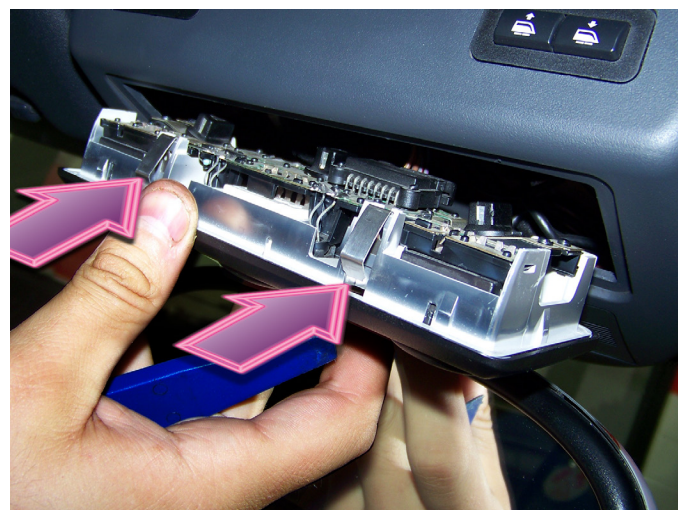


Front Dome - Step 2

Drop down the light assembly.

Note the exact location of the spring clips (arrows). Easier to see here, these are the same spring clips compressed with the trim tool in Step 1.

Unplug and remove the dome light assembly.



Ziza Interior Lighting Package Installation

ES2576077



Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

Front Dome - Step 3

Remove the two slotted-head screws from the back of the light.



Front Dome - Step 4

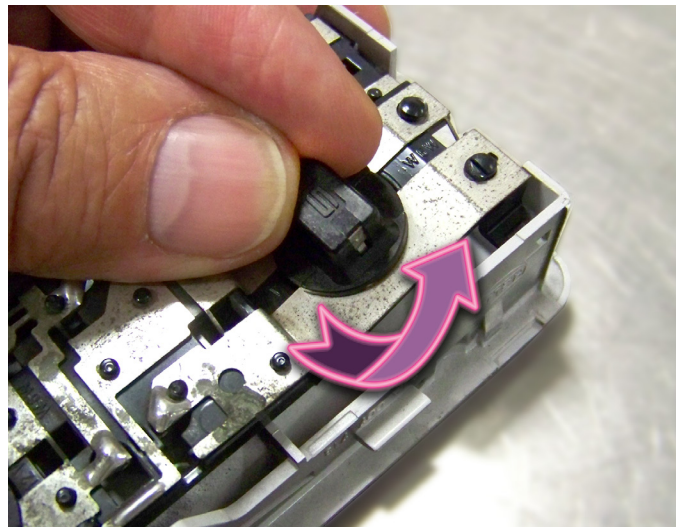
Separate the front and back parts of the housing.



Front Dome - Step 5

Rotate the bulb holders one quarter turn counterclockwise and remove them.

Remove the old festoon bulbs from the bulb holders and reinstall each of the three holders *without any bulb installed*.



Ziza Interior Lighting Package Installation

ES2576077



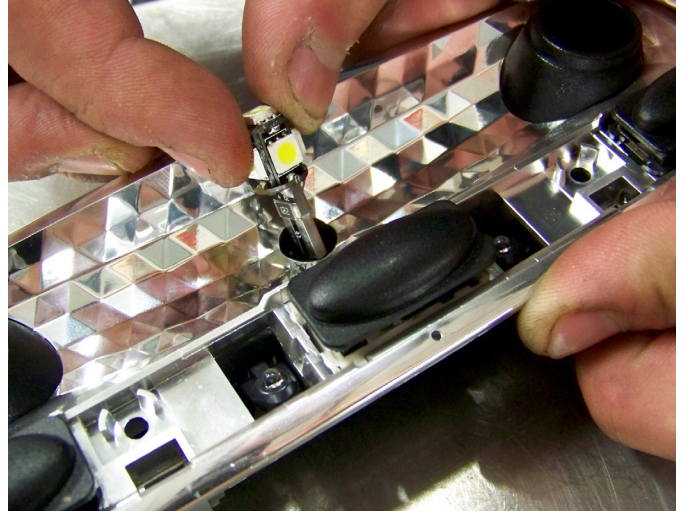
Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

Front Dome - Step 6

Flip the housing over and insert a 5-chip wedge base LED into each holder.

Test LED operation. The LED arrays are polarity sensitive. If any of the 5-chip LEDs don't work when initially installed and tested, loosen the bulb socket and **lift it just far enough to rotate it 180 degrees** in its socket to get it working.

When all lights are working, reassemble the dome light housing and reinstall the screws.



Front Dome - Step 7

Plug in the electrical connector and reinstall the light assembly in the dome light housing.

Press the light assembly upward until the spring clips snap in place in the housing to complete the front dome light LED installation.



Glove Box - Step 1

Pry down on the notched side of the glove box assembly.

Pivot the light down and out.



Ziza Interior Lighting Package Installation

ES2576077



Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

Glove Box - Step 2

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

Reinstall the light assembly in the glove box liner.



Footwell, Puddle, and Trunk LED Installation



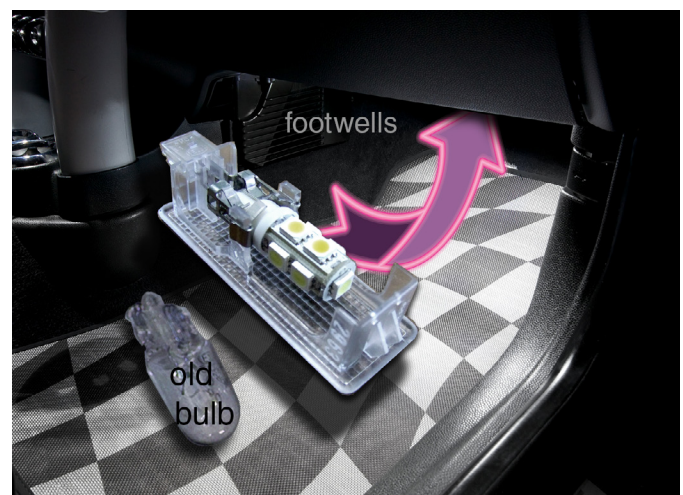
Footwell Lights

Footwell lights are located in the underdash panel, above the front seat footwells.

Using the trim removal tool, pry down at the notched end of the footwell lights to remove them.

Pull the old wedge base glass bulb from the bulb socket and push in a 9-chip LED array.

The LED array is polarity sensitive. If it does not work when initially installed and tested, remove and rotate it 180 degrees in its socket to get it working.



Ziza Interior Lighting Package Installation

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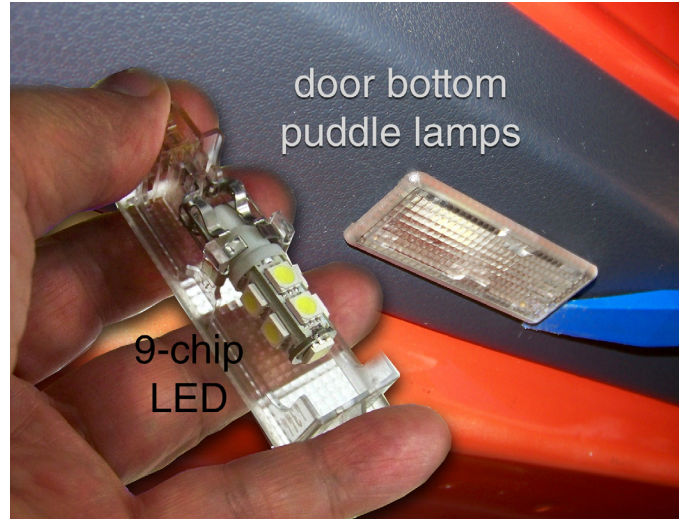
Fits R52 MINI Cooper Convertible and R52 MINI Cooper Convertible S (2005-2008)

Puddle Lamps

Puddle lights are located in the bottoms of the inner door trim panels. Using the trim removal tool, pry down at the end of the footwell lights and remove them.

Pull the original wedge base glass bulb from the bulb socket and push in a 9-chip LED array.

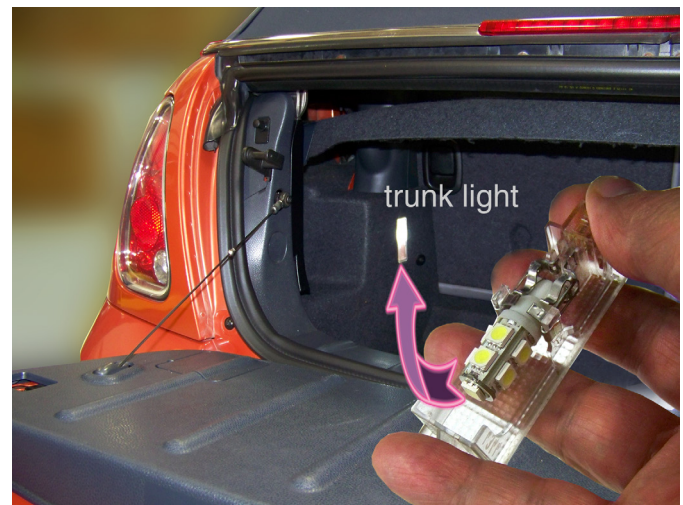
The LED array is polarity sensitive. If it does not work when initially installed and tested, remove and rotate it 180 degrees in its socket to get it working.



Trunk Light

Using the same procedures used to install the footwell and puddle lamp LEDs, pry the trunk light assembly from the trunk inner liner.

Replace the original wedge base glass bulb with a 9-chip, wedge base LED. Test and reinstall the light.



This concludes the installation of the Ziza Interior Light Kit.



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