

# ECS TUNING

## Installation Procedures



Part Number **ES2664825**  
fits

2012+ R58  
MINI Cooper/S/JCW Coupe  
2012+ R59  
MINI Cooper/S/JCW Roadster

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Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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# Ziza Interior Lighting Package Installation

## ES2664825



## LED Installation Instructions

Interior Lighting Kit for MINI Cooper R58 S/JCW Coupe  
MINI Cooper R59 S/JCW Roadster

ES2664825



### Tools

Trim removal tool – ES517779 (Kit)

### Kit Contents

- 5-chip wedge base white LED (qty 2)
- 8-chip wedge base white LED (qty 3)
- 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](#).**

## 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.

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## Bulb Types

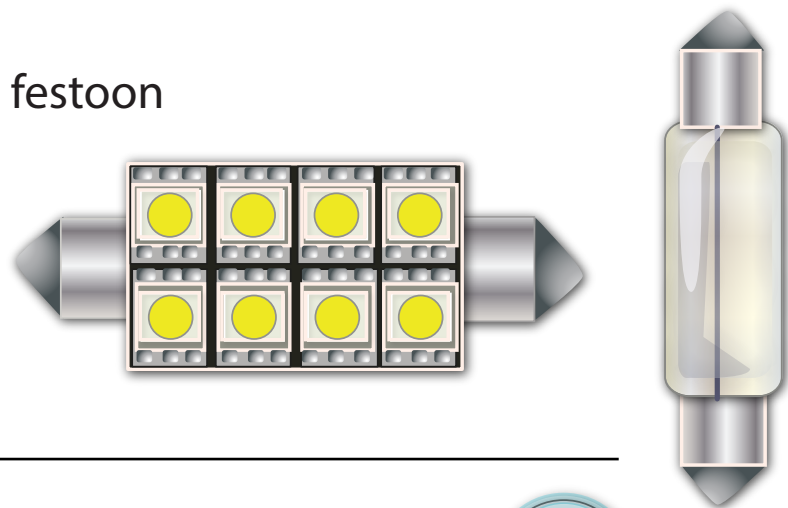
This kit includes three bulb types, classified by their general shape.

**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.

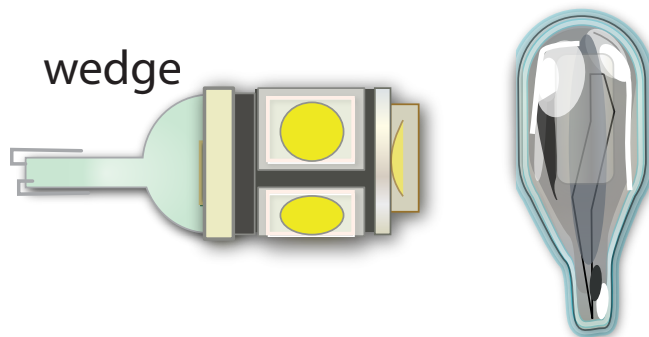
festoon



**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.

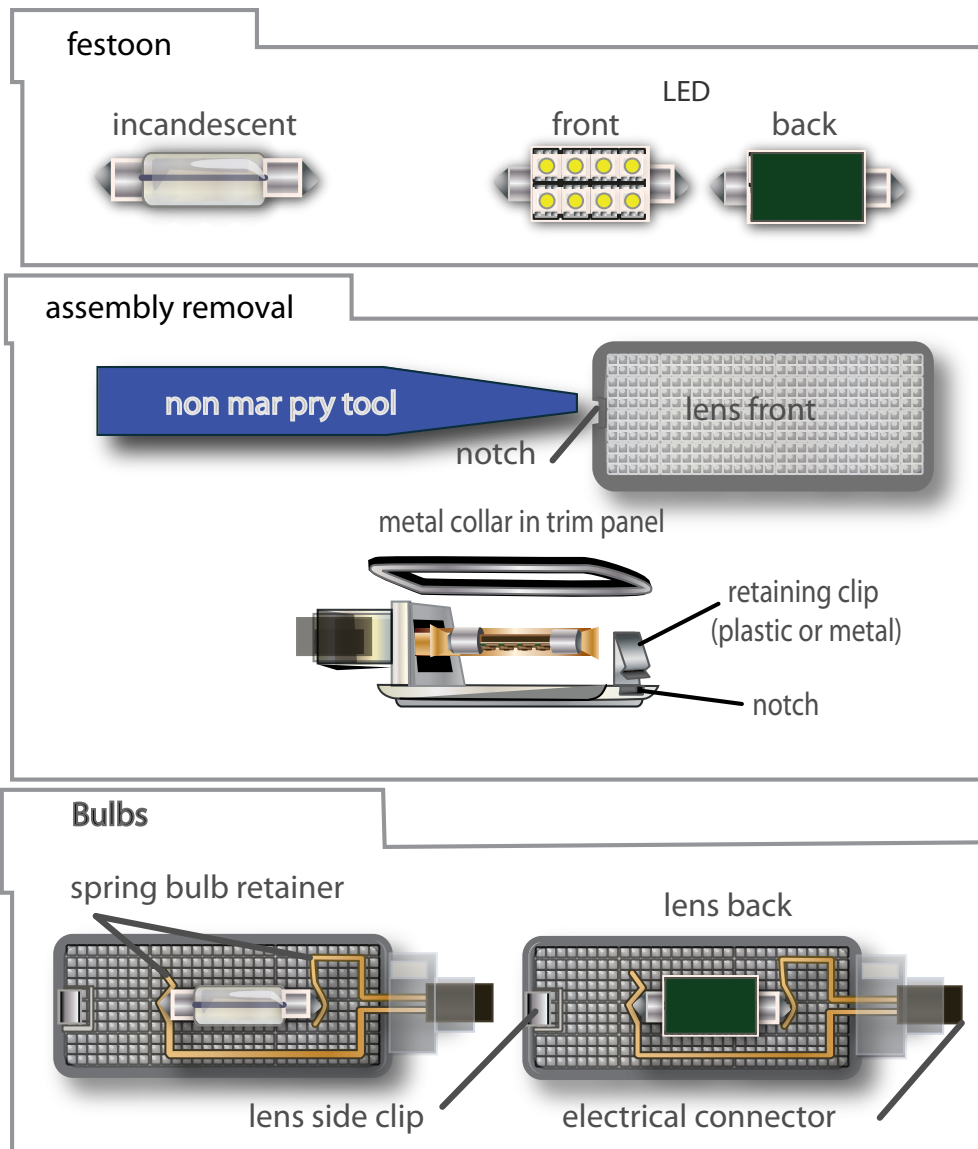
LED wedge lights fit the bulb socket like a filament bulb, but are polarity sensitive.

wedge



### 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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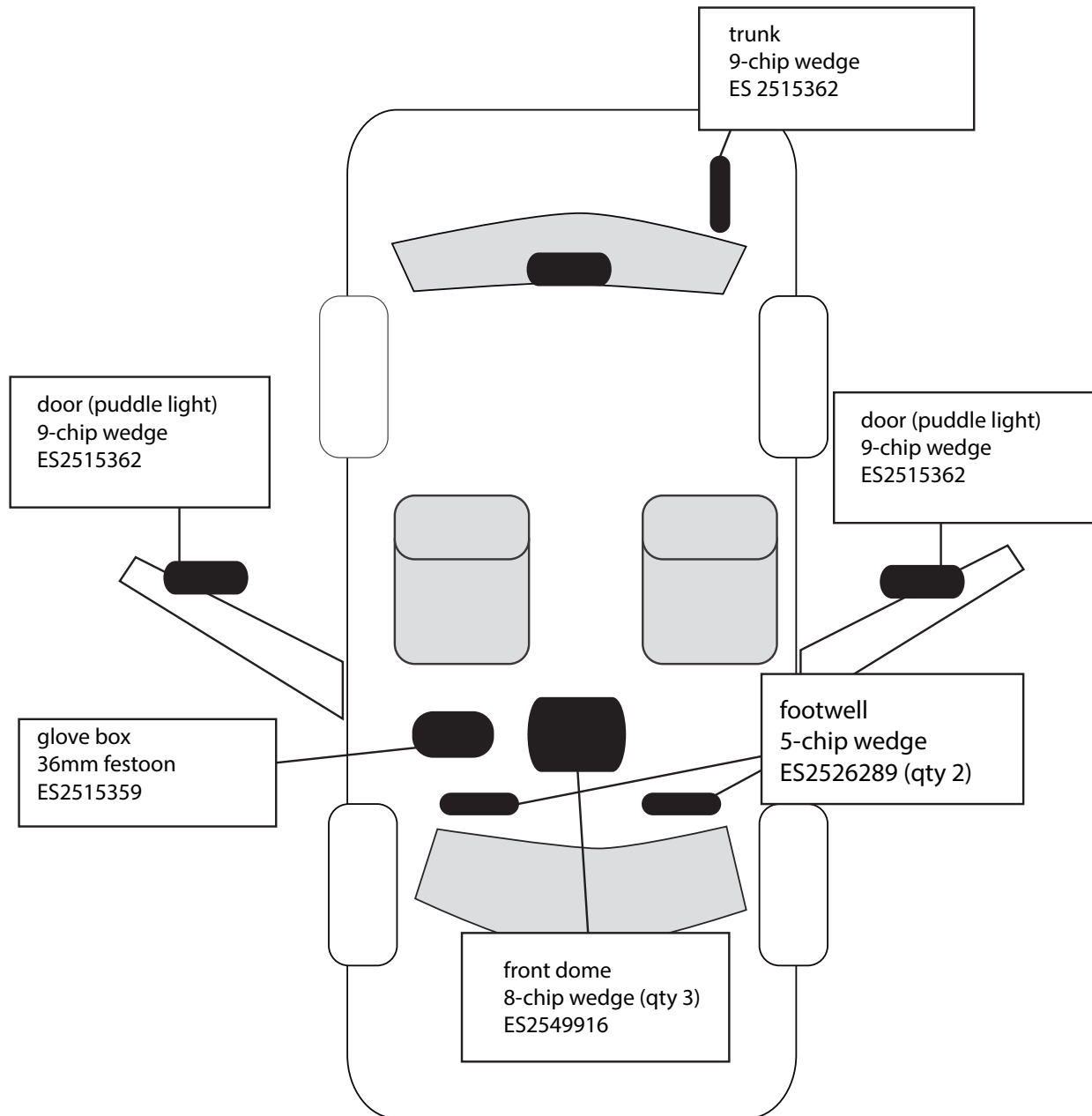
## ES2664825



### Ziza Interior Lighting Kit Locations

Make/Model \_\_\_ MINI Cooper/S/JCW Coupe \_\_\_ MINI Cooper/S/JCW Roadster \_\_\_

Kit Part Number \_\_\_ ES2664825 \_\_\_



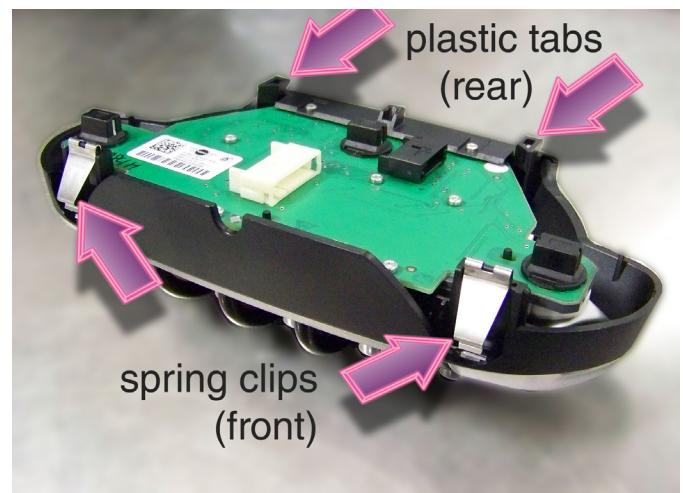
## Front Dome Light LED Installation



### Front Dome - Step 1

The dome light is held in place in the headliner by rigid plastic tabs at the rear of the housing, and by metal spring clips at the front.

This photo shows the dome light assembly already removed from the car to let you see all tab and clip locations.



### Front Dome - Step 2

Insert the tip of a flat plastic trim removal tool between the light housing and surrounding trim, as shown.

Support the surrounding trim with one hand as you pry in and down against the edge of the light until the plastic tabs pop free.

Repeat these steps at the opposite side of the light, if needed.



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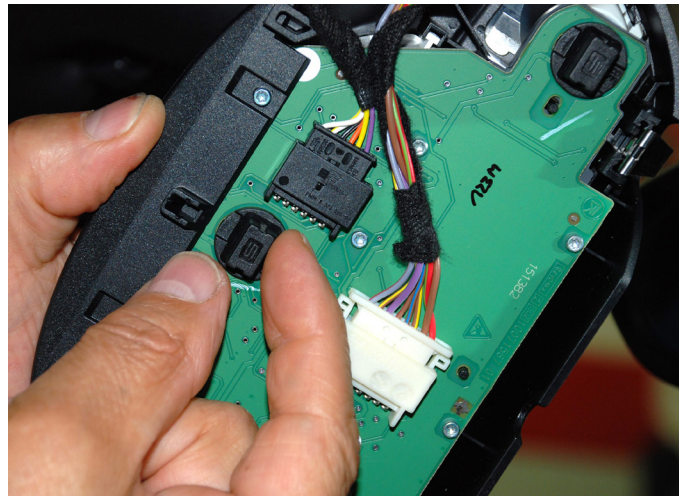
### Front Dome - Step 3

When both tabs pop free (arrows), pivot the assembly down and out.



### Front Dome - Step 4

There are three bulb holders in the dome light assembly. Twist and pull to remove them.



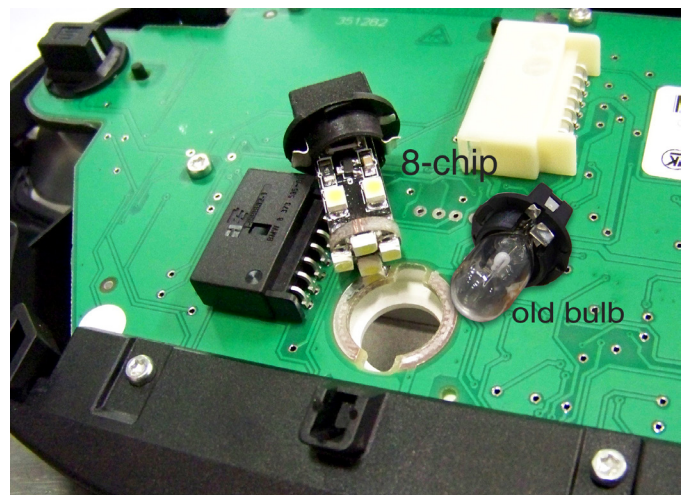
### Front Dome - Step 5

Pull the original glass bulbs from the bulb holders and replace them with 8-chip LEDs.

Do this in all three dome light bulb locations.

Insert the bulb holders into the sockets and twist them a quarter turn to lock them in place. Test LED operation.

The LEDs are polarity sensitive. If any do not work when initially installed and tested, remove the bulb holder and rotate it 180 degrees in the socket to get it working.



# Ziza Interior Lighting Package Installation

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### Front Dome Light - Step 6

Insert the rear of the dome light into the roof, making sure the plastic tabs are engaged in the edge of the headliner.

Then pivot the front of the light upward until the spring clips at the front snap in place.



### Glove Box Light - Step 1

Open the glove box.

Using a plastic trim removal tool, pry down on the side of the light away from the push button switch.

Pivot the light down and out.



### Glove Box Light - Step 2

Replace the original glass festoon bulb with the 36mm LED festoon in the kit.

Insert the switch end of the light into the opening in the glove box and pivot the opposite end upward until the light snaps in place.





# Ziza Interior Lighting Package Installation

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### Puddle Lights - Step 1

Using a trim removal tool, pry down at the notched end of the puddle lights located in the bottom of the doors.

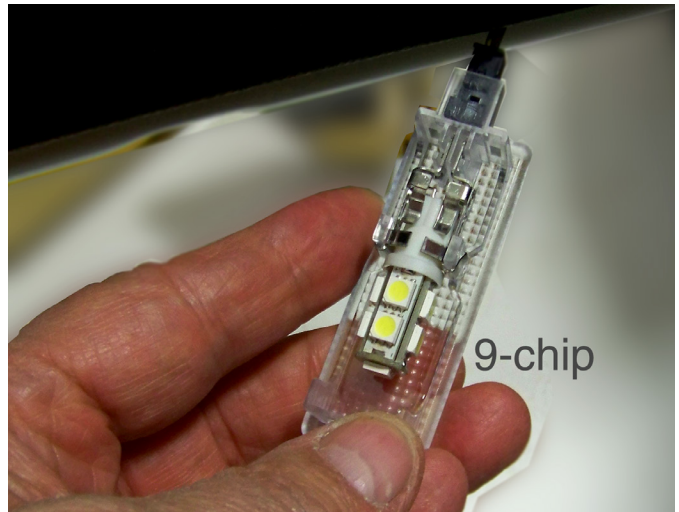
Then pivot the lights downward to remove them.



### Puddle Lights - Step 2

Pull the glass bulb from the puddle light socket and replace it with a 9-chip LED.

The LEDs are polarity sensitive. If the LED does not light when initially installed and tested, remove it and rotate it 180 degrees in its socket to get it working.



### Puddle Lights - Step 3

Insert the end of the puddle light with the electrical connector into the opening at the door bottom, then pivot the opposite end upward until it snaps in place.

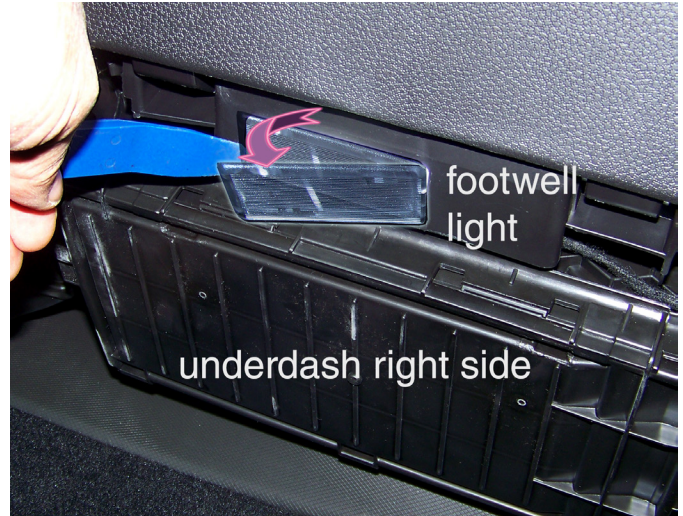
Repeat this procedure at the opposite side door.



### Footwell Lights - Step 1

There is one footwell light on either side of the underdash. Using the trim removal tool, pry down and pivot the light out of the panel.

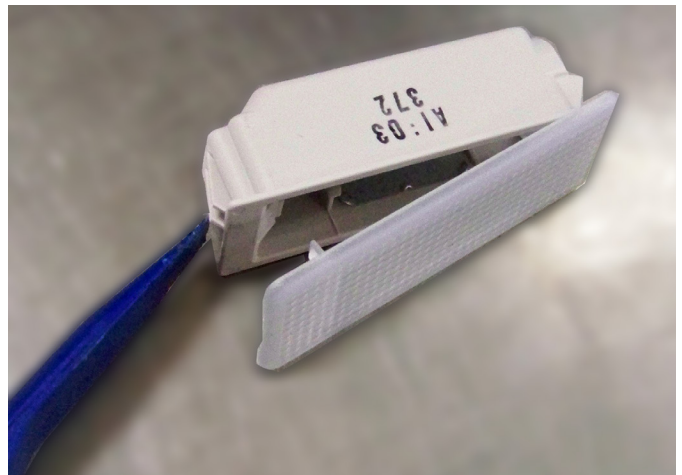
**Note:** The wire harnesses for these lights are very short. When you pull the lights down, the electrical connector will probably pop out of the fixture. If necessary, reach up behind the lower dash and pull the harness out of its plastic retainer, located near the light opening. This will give you an extra inch of wire to work with, making it easier to reconnect and reinstall the light.



### Footwell Lights - Step 2

If possible, pry as shown against the edge of the main light assembly, not just at the lens cover.

(Don't worry, if the lens cover does pop off, as it has in our photo, it can be snapped on again, easily.)



### Footwell Lights - Step 3

Twist the black plastic bulb holder a quarter turn and remove it.

Pull the glass filament bulb from the holder and replace it with a 5-chip LED. If the light does not work when initially installed and tested, rotate it 180 degrees in the bulb socket to get it working.

Replace the bulb holder in the light assembly and reinstall it.

Repeat this process at the opposite side footwell light.



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### Trunk Light - Step 1

Reach inside the trunk and use your trim removal tool to pry the trunk light from the inner carpet liner.

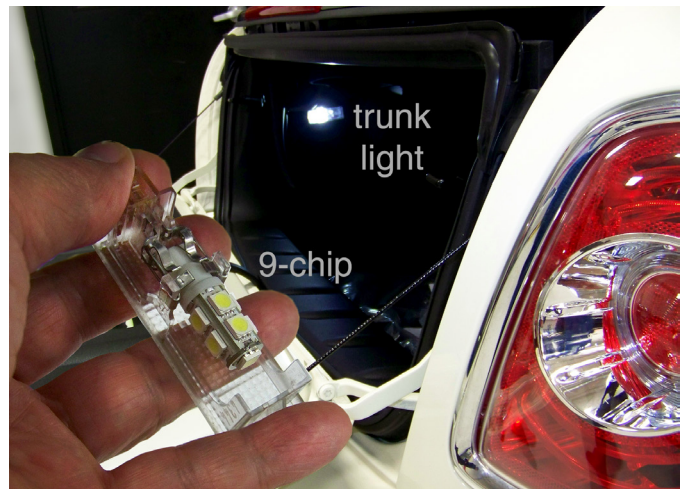


### Trunk Light - Step 2

Pull the glass bulb from the light assembly and replace it with a 9-chip LED.

This LED is polarity sensitive. If it does not work when initially installed and tested, rotate it 180 degrees in the bulb socket to get it working.

Reinstall the light in the liner.



This concludes the installation of the Ziza Interior Light Kit.



Prevent damage to interior panels, the headliner, and trim.  
Use a plastic, non-marring trim removal tool.  
Two complete kits are available.

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](#).