



Ziza® Interior Lighting Package Installation Procedures



Part Numbers
ES2500794 (with reading lights)
or ES2500797 (w/o reading lights)
for BMW E36
sedan and coupe (1992-1998)

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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

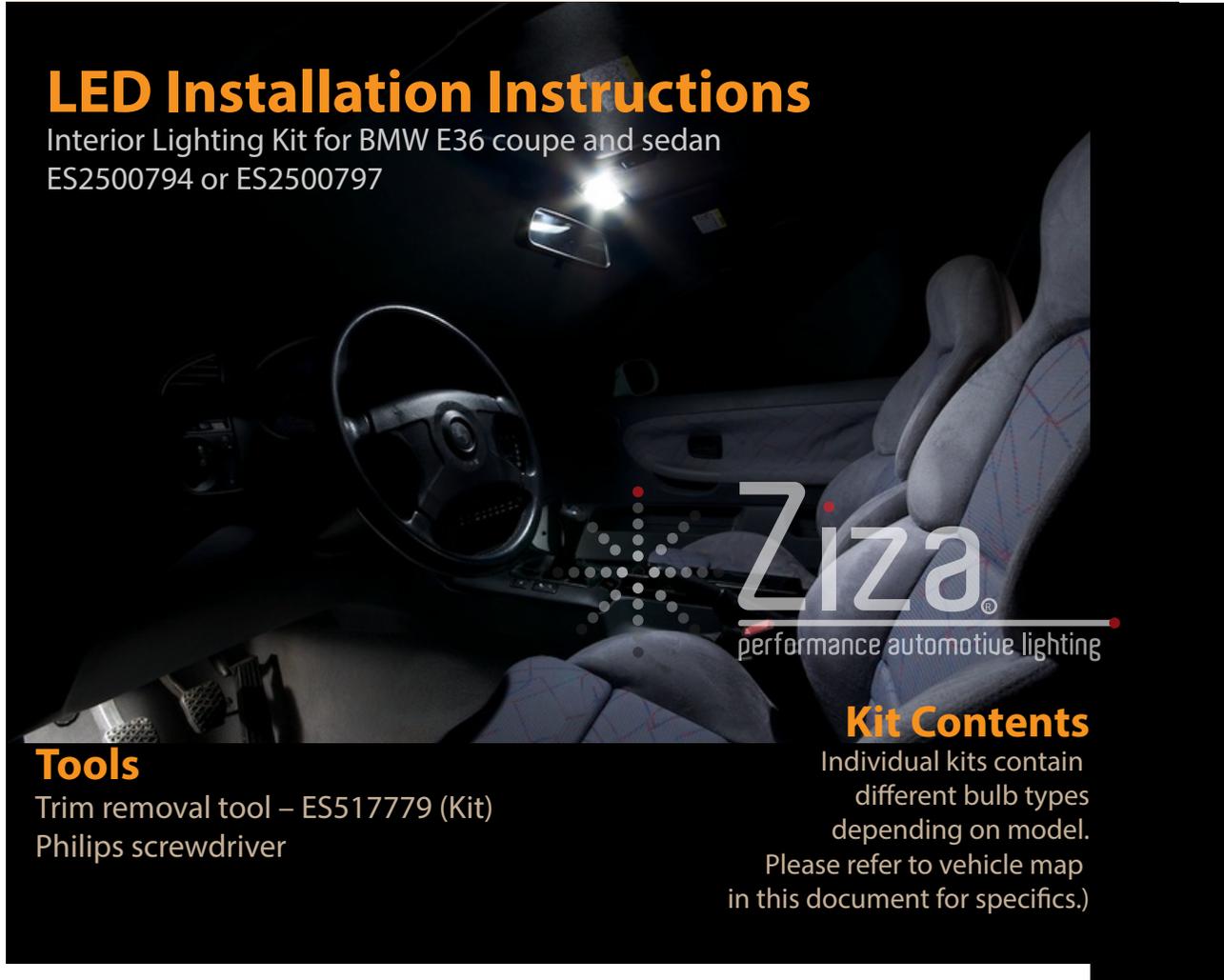
ES2500794 or ES2500797



Fits E36 sedan and coupe

LED Installation Instructions

Interior Lighting Kit for BMW E36 coupe and sedan
ES2500794 or ES2500797



Ziza
performance automotive lighting

Tools

Trim removal tool – ES517779 (Kit)
Philips screwdriver

Kit Contents

Individual kits contain different bulb types depending on model. Please refer to vehicle map in this document for specifics.)

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.

Bulb Types

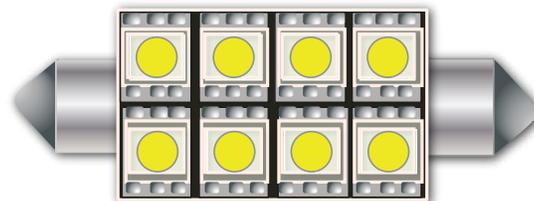
This kit includes three bulb types, classified by their general shape.

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.

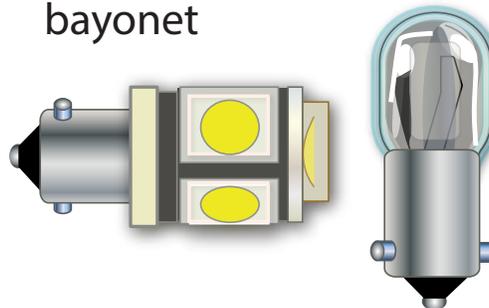
festoon



BAYONET - The bayonet base is formed by a metal tube with radial pins on its side that engage holes or tabs in the bulb socket. A central electrical nub contact at the tapered base of the bulb connects the bulb to voltage.

Commonly polarity sensitive, bayonet bulbs are matched to the polarity of the socket in which they are used, since they can be installed in the bulb holder only one way.

bayonet



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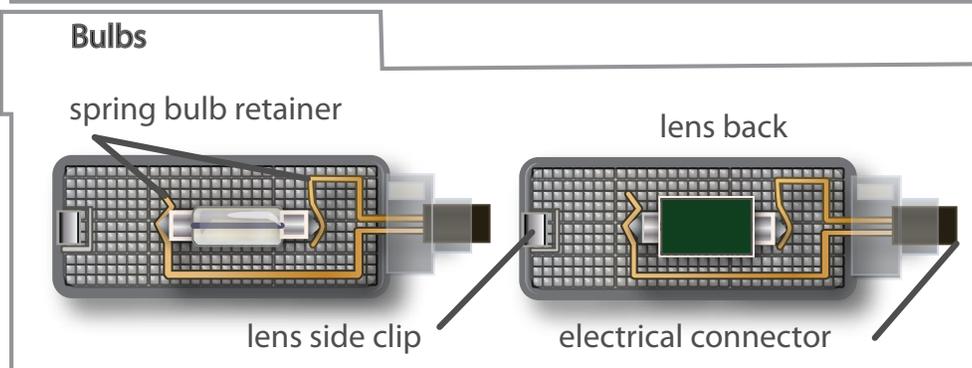
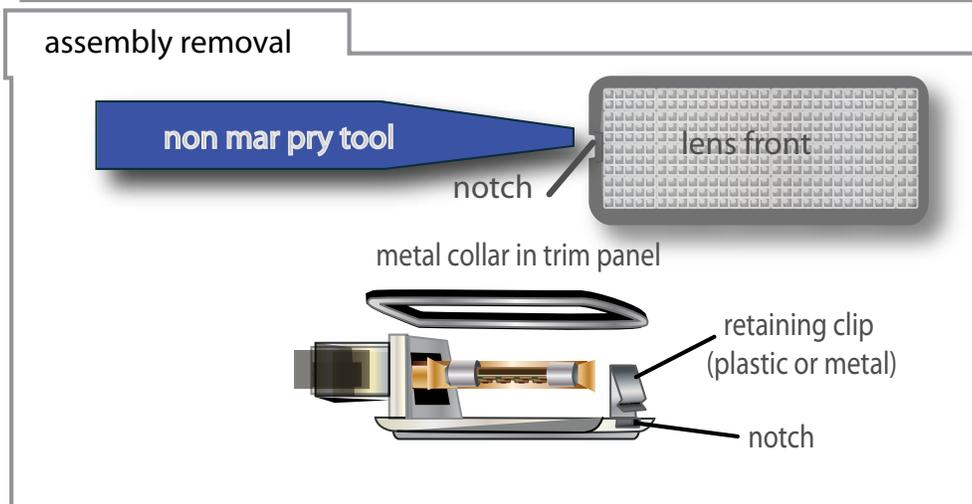
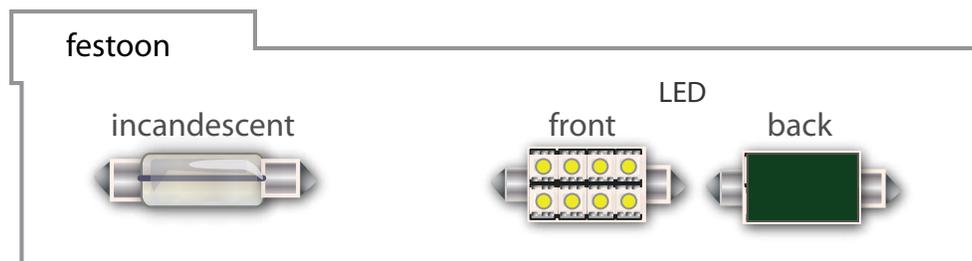
ES2500794 or ES2500797



Fits E36 sedan and coupe

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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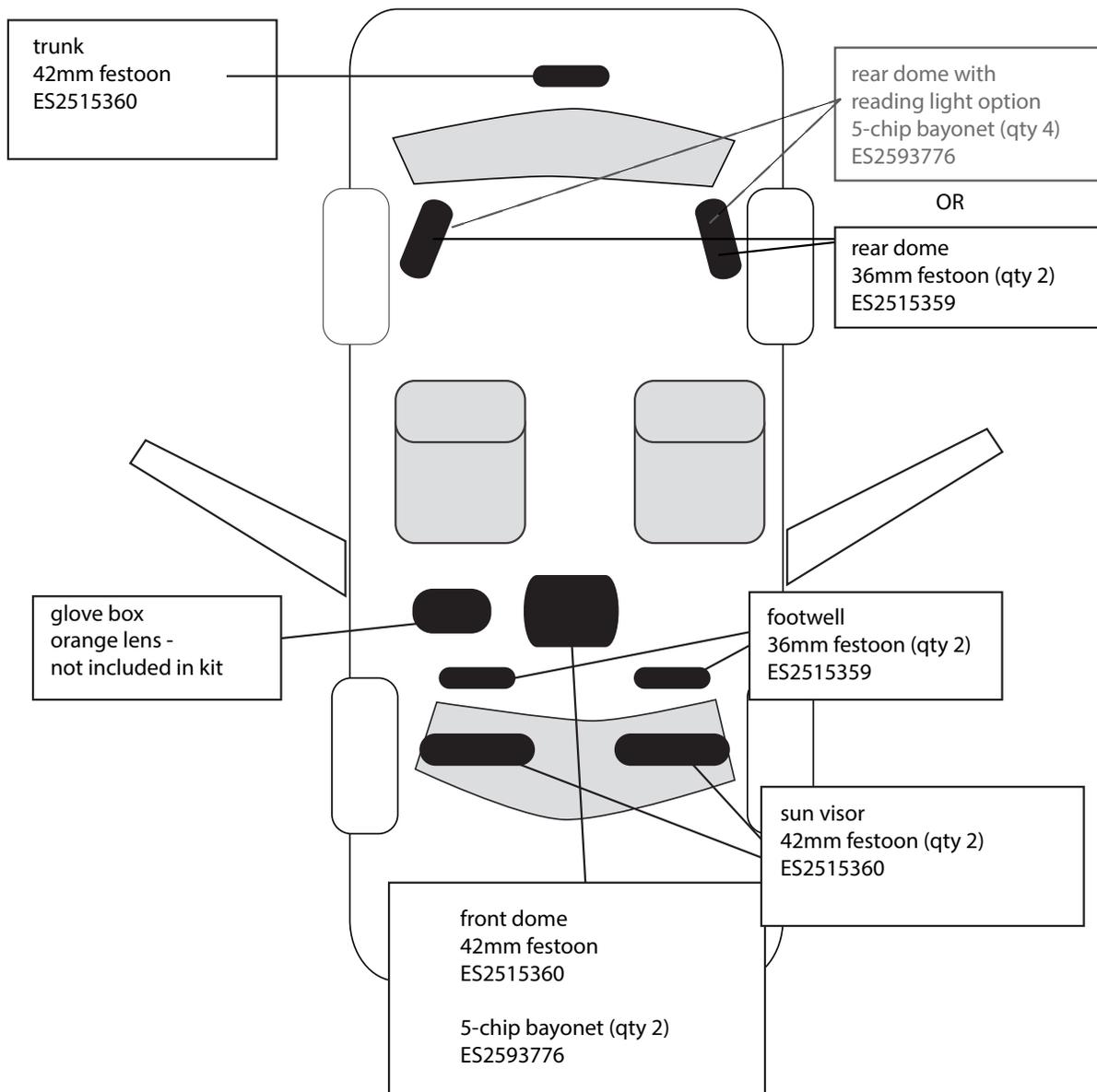
Fits E36 sedan and coupe

Ziza Interior Lighting Kit Locations

Make BMW

Model E36 Sedan or coupe

Kit Part Number ES2500794 ES2500797 (See rear dome options below)



Ziza Interior Lighting Package Installation

ES2500794 or ES2500797



Fits E36 sedan and coupe

Front Dome and Vanity LED Installation



Front Dome - Step 1

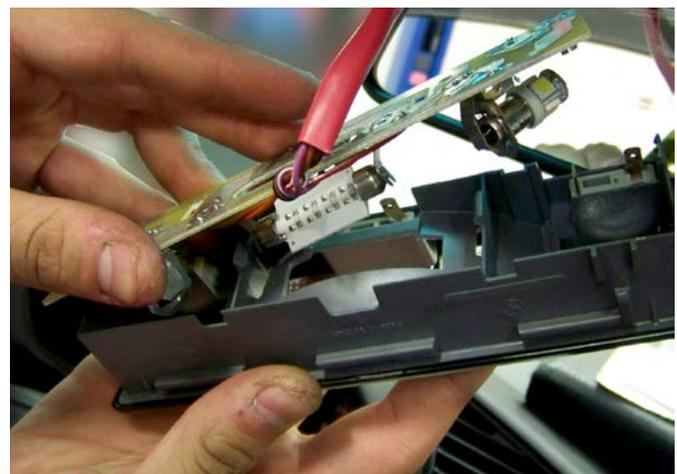
Insert the tip of a flat, non-marring trim removal tool into the rear edge of the front dome light fixture.

Push up and in to compress the metal spring clips on the fixture body, then pry down to drop the assembly from the headliner.



Front Dome - Step 2

Gently pry the rear circuit board from its tabs in the light assembly and remove it.



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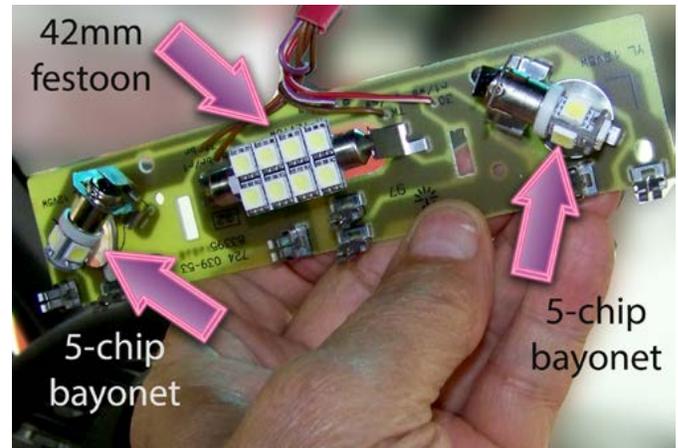


Fits E36 sedan and coupe

Front Dome - Step 3

Remove the original glass filament style festoon and bayonet base bulbs. Then install two 5-chip bayonet and one 42mm LED festoon array in their places. This image shows new LEDs installed in the three bulb locations.

The 42mm festoon LED array is polarity sensitive. If it does not work when initially installed and tested, flip it end-for-end in its bulb holder to get it working.



Front Dome - Step 4

Snap the circuit board in place on the assembly, then snap the light assembly back into the opening in the headliner.



Vanity Light - Step 1

Use the trim tool to pry the vanity light from the headliner.



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Vanity Light - Step 2

Replace the original festoon filament style bulb with a 42mm festoon LED array.

If the LED array does not work when initially installed and tested, flip it end-for-end to get it working.

Snap the light assembly back in place in the headliner and repeat the process at the opposite vanity light.

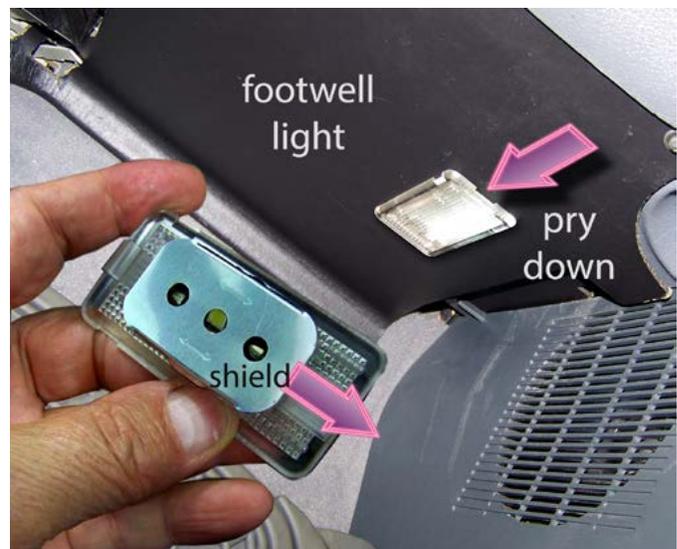


Footwells - Step 1

Pry down at the notched end of the footwell light assembly (top arrow).

Lower the light and slide the metal heat shield to remove it from the back of the light.

Careful: The edges of the stamped metal shield may be sharp.

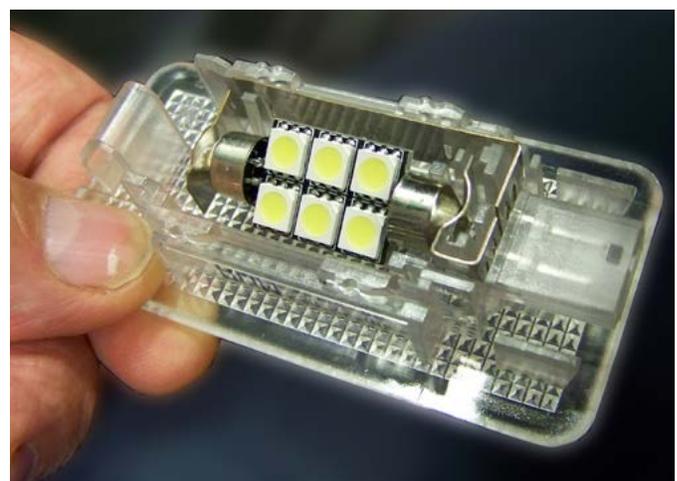


Footwells - Step 2

Replace the original filament bulb with a 36mm festoon LED. This shot shows the array installed "chips-up," so you can see the LEDs.

Make sure the light chips face the lens when you reinstall the light assembly.

Repeat the process at the opposite side footwell.



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Reading Lights and Trunk

Special note:

Vehicle photos in this pdf are for the rear dome light with reading light option.

In vehicles without the reading light option, remove the light assembly, but install a single 36mm festoon bulb in each rear dome light.

General LED installation is the same as it is for other festoon bulbs in this car.



Reading Lights - Step 1

Insert the tip of the flat headed trim removal tool into the gap between the lower edge of the C-pillar reading light and the headliner.

Push in to compress the spring clips holding the light in place (see next image), then pry it out and remove it.



Reading Lights - Step 2

This shot shows the location of the spring clips, easier to see with the light removed.



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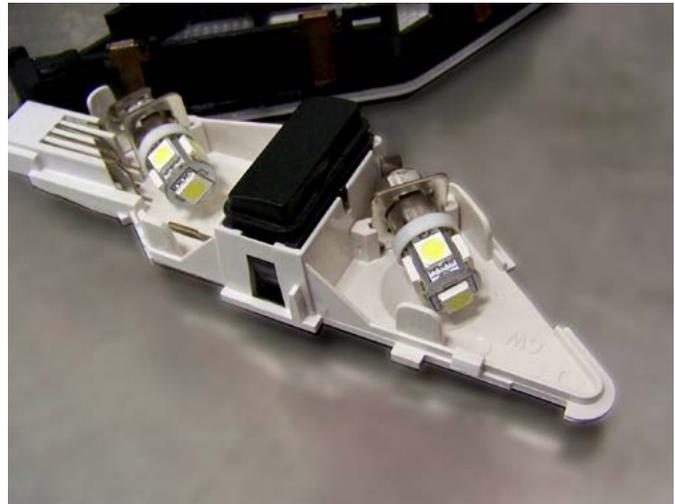
Fits E36 sedan and coupe

Rear Dome - Step 3

Pry the bulb holder assembly from the lens cover. Remove the original bayonet style filament bulbs and replace them with bayonet base LEDs.

Snap the cover and bulb holder together and reinstall the light assembly in the headliner, pushing it into the opening until the spring clips snap in place.

Repeat the process at the opposite side reading light location.



Trunk Light - Step 1

Pry down at the notched end of the trunk light. Pivot the light downward and remove it.



Trunk Light - Step 2

Replace the original glass filament festoon bulb with a 42mm festoon LED array.

The LED chips should face the lens, as shown.

If the LED array does not work when initially installed and tested, flip it end-for-end to get it working.



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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.

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