



Ziza® Interior Lighting Package Installation Procedures



Part Number [ES2221158](#)
for VW MKIV Golf
(1995-2005)

Volkswagen 337/20AE
(2002-2003)

Volkswagen MKIV R32
(2004)

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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

ES221158



Fits VW MKIV Golf 2 and 4-door

LED Installation Instructions

Interior Lighting Kit for Golf MKIV 2 and 4-door (1999-2005)
ES221158



Ziza[®]
performance automotive lighting

Tools

Trim removal tool –ES#517779 (Kit)

Kit Contents

- 31mm white LED festoon (qty 1)
- 36mm white LED festoon (qty 6)
- 42mm white LED festoon (qty 1)
- wedge base 5-chip white LED (qty 4)

This tutorial explains how to access and replace bulbs with the LEDs in your Ziza 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

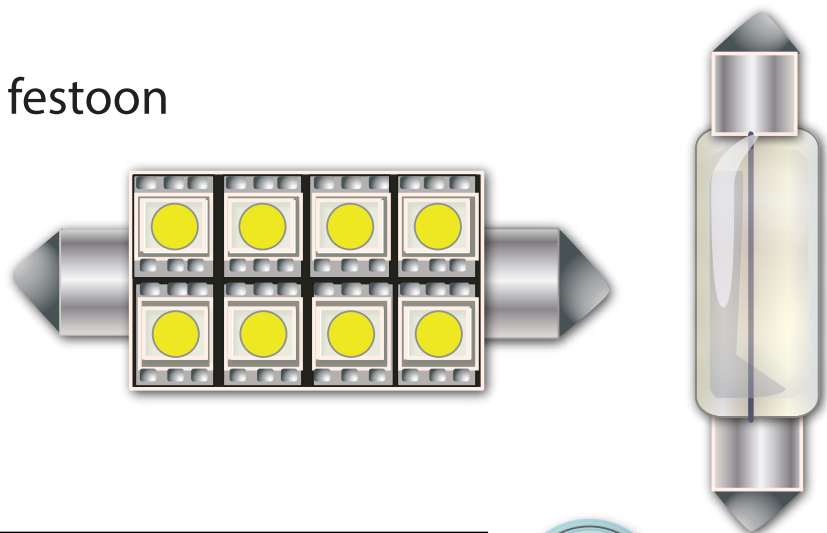
This kit includes two bulb types, classified by their general shape.

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.

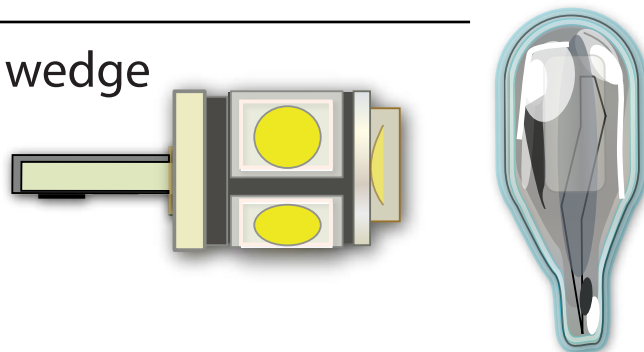
festoon



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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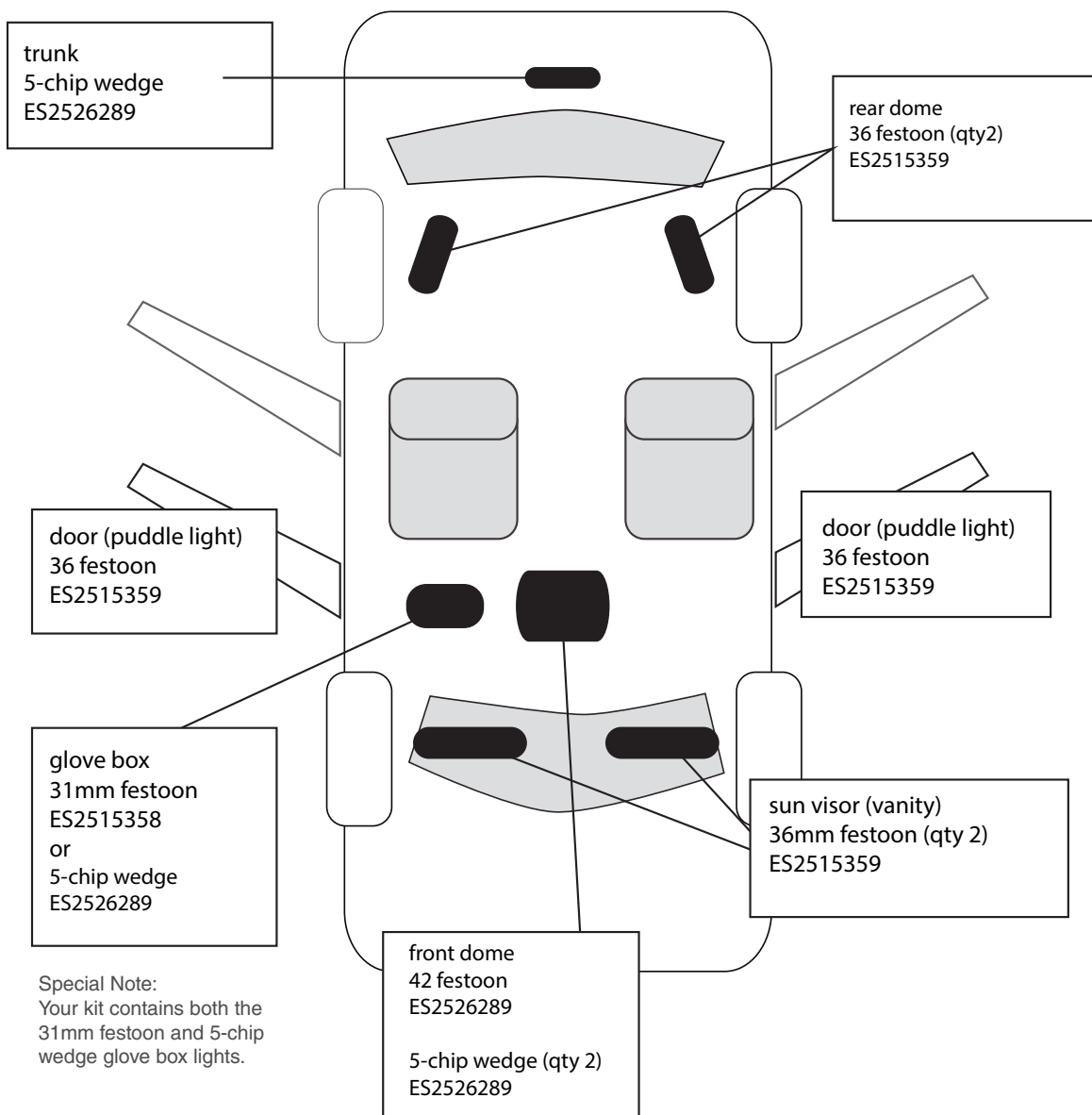
Fits VW MKIV Golf 2 and 4-door

Ziza Interior Lighting Kit Locations 2- and 4-Door

Make VW

Model Golf MKIV 2 or 4-door

Kit Part Number ES 2221158



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Fits VW MKIV Golf 2 and 4-door

Front Dome and Vanity LED Installation



Front Dome - Step 1

Use a non-marring plastic trim removal tool to pry the lens from the front dome light console.



Front Dome - Step 2

Original equipment front dome lights include a festoon and two bayonet style filament bulbs.



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Front Dome - Step 3

Install the LEDs in the front dome light console. Insert the festoon between the spring clips, as shown. Push the wedge LEDs into their sockets.

Check bulb operation. If one or more of the LEDs will not light, the LED polarity is reversed. Flip an inoperative LED over; reinstall, then retest.



Front Dome - Step 4

This close up shot shows the bulb holder used in the dome light assembly. To remove the old glass bulb, pull it straight out of the wedge base socket. Insert the 5-chip LED in its place.

The LEDs are polarity sensitive. If the LED chips do not light initially, remove the 5-chip LED, rotate it 180 degrees, and reinstall it,



Front Dome - Step 5

Test the lights. Then snap the front console lens back in place.



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Vanity Mirror - Step 1

Insert the tip of the non-marring pry tool into the notched end of the light assembly. Push in to compress the retaining tab while prying down to release the light assembly from the headliner.

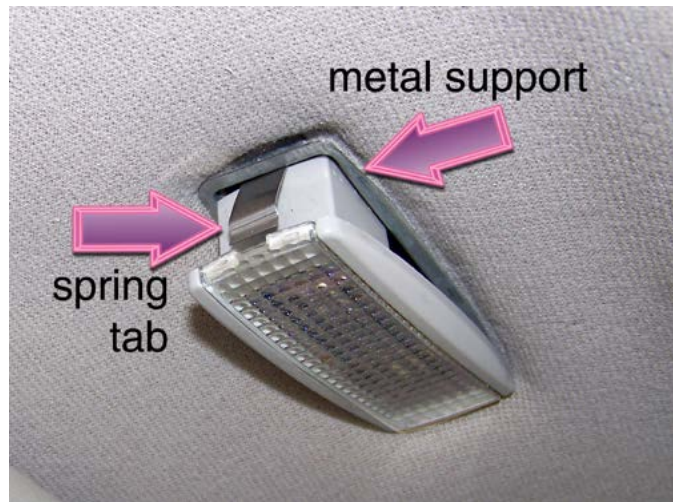
Pull the assembly down.



Vanity Mirror - Step 2

Note: Make sure to insert the tip of the tool between the light and the metal reinforcement where it can compress the spring tab.

If you pry on the metal support, you may bend it.



Vanity Mirror - Step 3

Remove the old incandescent festoon and install the new LED. The LED chips should face toward the lens.

Reinstall the vanity light and repeat the process on the other vanity mirror light.

Use the same bulbs and procedures to replace the rear dome lights, one in the roof line at each quarter panel.



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Rear Dome Light LEDs



Rear Dome - Step 1

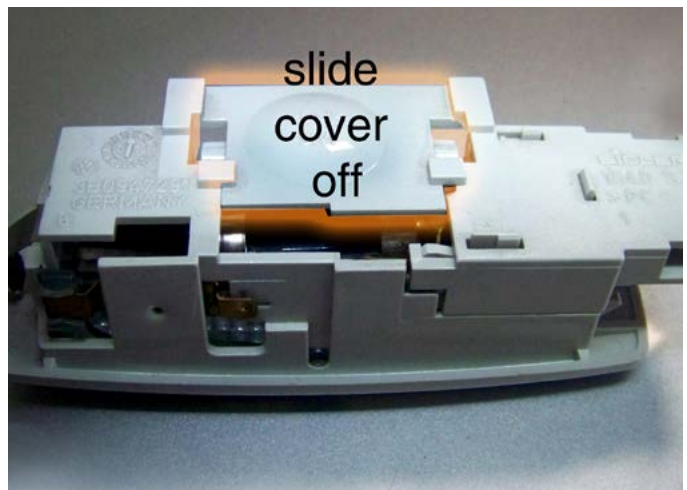
Using the non-mar pry tool, push in to release the retaining clips while prying down to free the light assembly from the headliner.



Rear Dome - Step 2

Before replacing the rear dome light bulb with an LED, push down and slide the bulb cover from the light assembly.

Pry out the old festoon bulb and insert a new LED festoon array, with the LED chips facing the lens.



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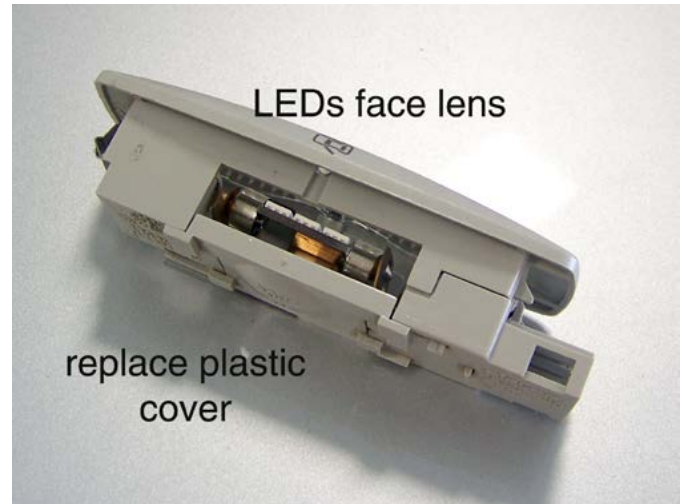
Fits VW MKIV Golf 2 and 4-door

Rear Dome - Step 3

Pry out the old festoon bulb and insert a new LED festoon array, with the LED chips facing the lens.

Replace the plastic bulb cover and reinstall the assembly in the headliner.

If the LED does not work when first installed, flip it end-for-end and retest.



Trunk Light

Pry out the trunk light assembly as you did the vanity lights earlier.

Install a new LED wedge bulb, and snap the housing back in place in the trunk.



Door Lights

Pry out the door light assemblies.

Remove the old glass festoon and replace it with a festoon LED. If necessary, pinch the electrical contact brackets together slightly to ensure a tight fit at the LED.



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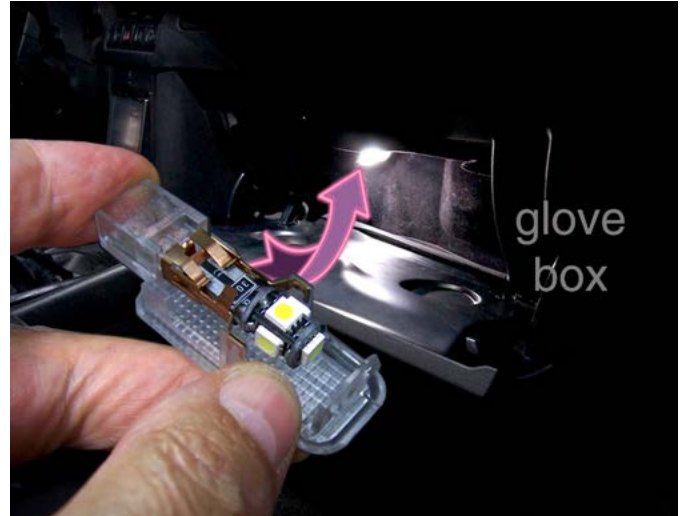
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Glove Box - Wedge Style

Due to production variations, some MKIV Golf models have a wedge base bulb holder in the glove box, while others use a festoon bulb.

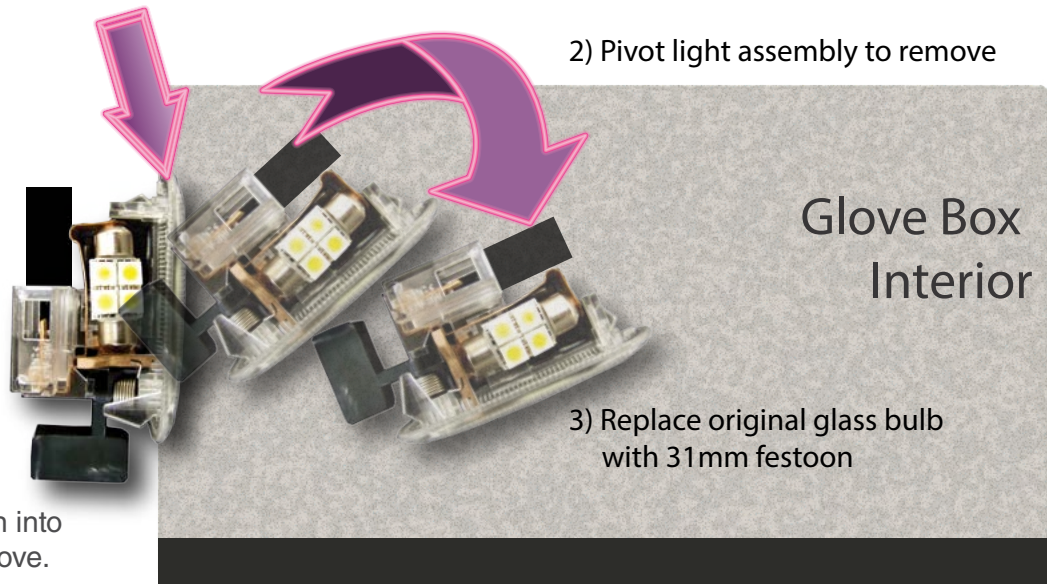
If your car has the wedge base bulb, pry the light assembly from the glove box liner (the same way you did with the trunk light). Replace the original glass bulb with a 5-chip LED.

The LEDs are polarity sensitive. If the LEDs do not light initially, remove the 5-chip LED, rotate it 180 degrees, and reinstall it.



1) Pry light assembly loose from liner at rear

2) Pivot light assembly to remove



3) Replace original glass bulb with 31mm festoon

View looking down into glove box from above.

4) Reverse process to reinstall light in glove box liner.

Glove Box - Festoon - Step 1

Some MKIVs use a 31mm festoon glove box bulb instead of a wedge base bulb. The switch mechanism is built into the light assembly, and some care must be taken to properly remove the assembly from the glove box liner.

Pry at the rear of the lens (1) and pivot the light assembly as shown (2). Continue to pivot the light as shown until the black plastic switch mechanism clears the hole in the glove box liner. Remove the old glass bulb and install the new 31mm festoon LED array in the bulb holder.

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Glove Box Light - Festoon - Step 2

This photo shows the old bulb and new festoon LED installed in the glove box light assembly. Install the LED array with the chips facing toward the lens.

The LED is polarity sensitive, so test it before re-installing it in the glove box.

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



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Thanks for choosing the ECS Tuning Interior Lighting Kit.