ECS TUNING

Ziza® Interior Lighting Package Installation Procedures

Part Number ES2207827

for VW MKV
Golf/GTI

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LED Installation Instructions
Interior Lighting Kit for VW MKV Golf and GTI
ES2207827

Tools

Trim removal tool – ES517779 (Kit)
T20 Torx® Driver

Kit Contents

5-chip wedge base white LED (qty 8)
36mm white LED festoon (qty 3)
42mm white LED festoon (qty 1)

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

ES2500877

ES517779

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 that 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.
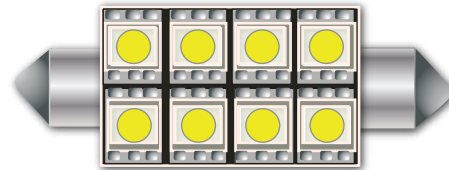
Bulb Types

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.

festoon

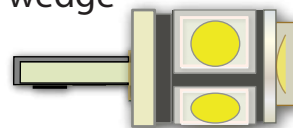LED festoon lights have the same pointed end caps, but are attached to a bank of LEDs instead of a filament tube.

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.
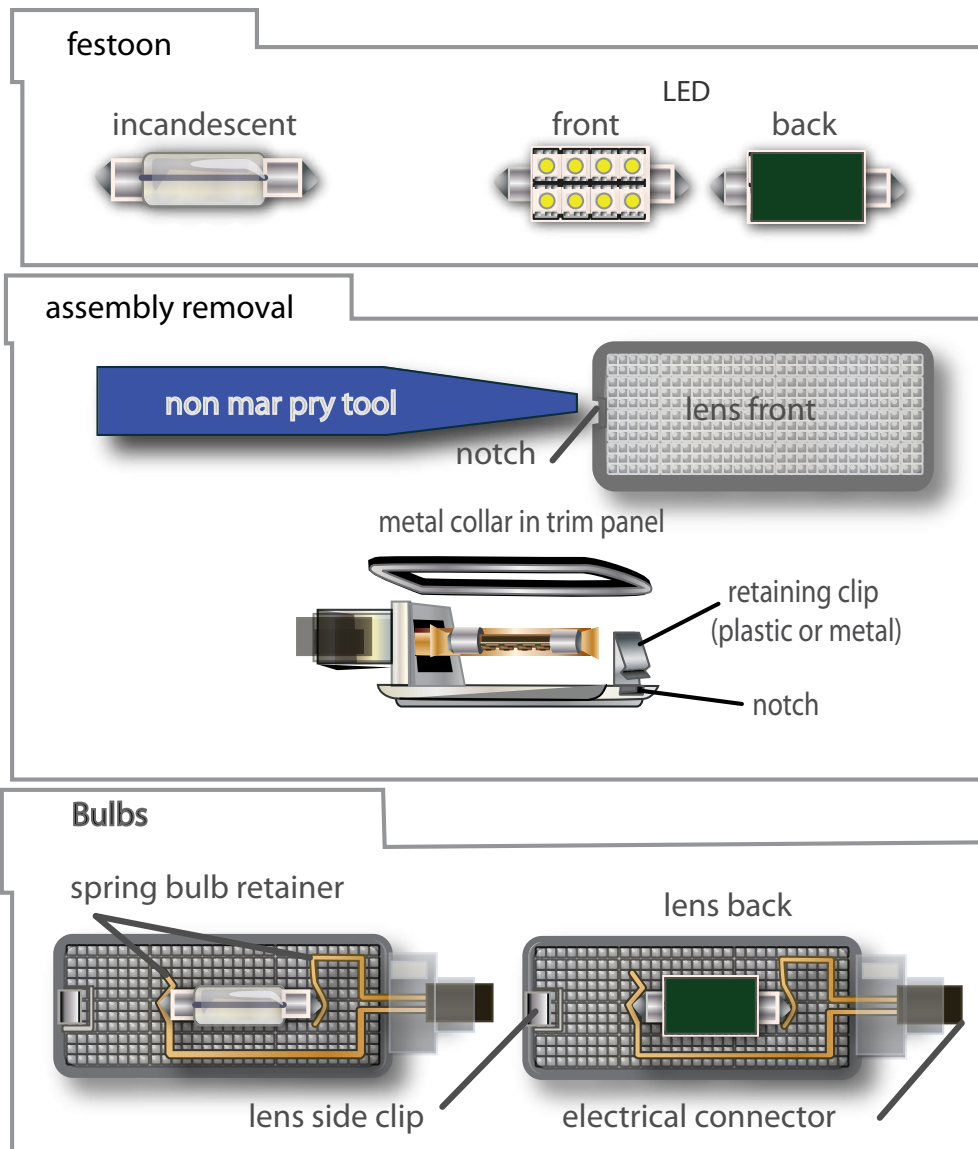
wedge

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

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.

festoon

incandescent

LED

front   back

assembly removal

non mar pry tool

lens front

notch

metal collar in trim panel

retaining clip
(plastic or metal)

notch

Bulbs

spring bulb retainer

lens back

lens side clip   electrical connector

Ziza Interior Lighting Package Installation
ES2207827

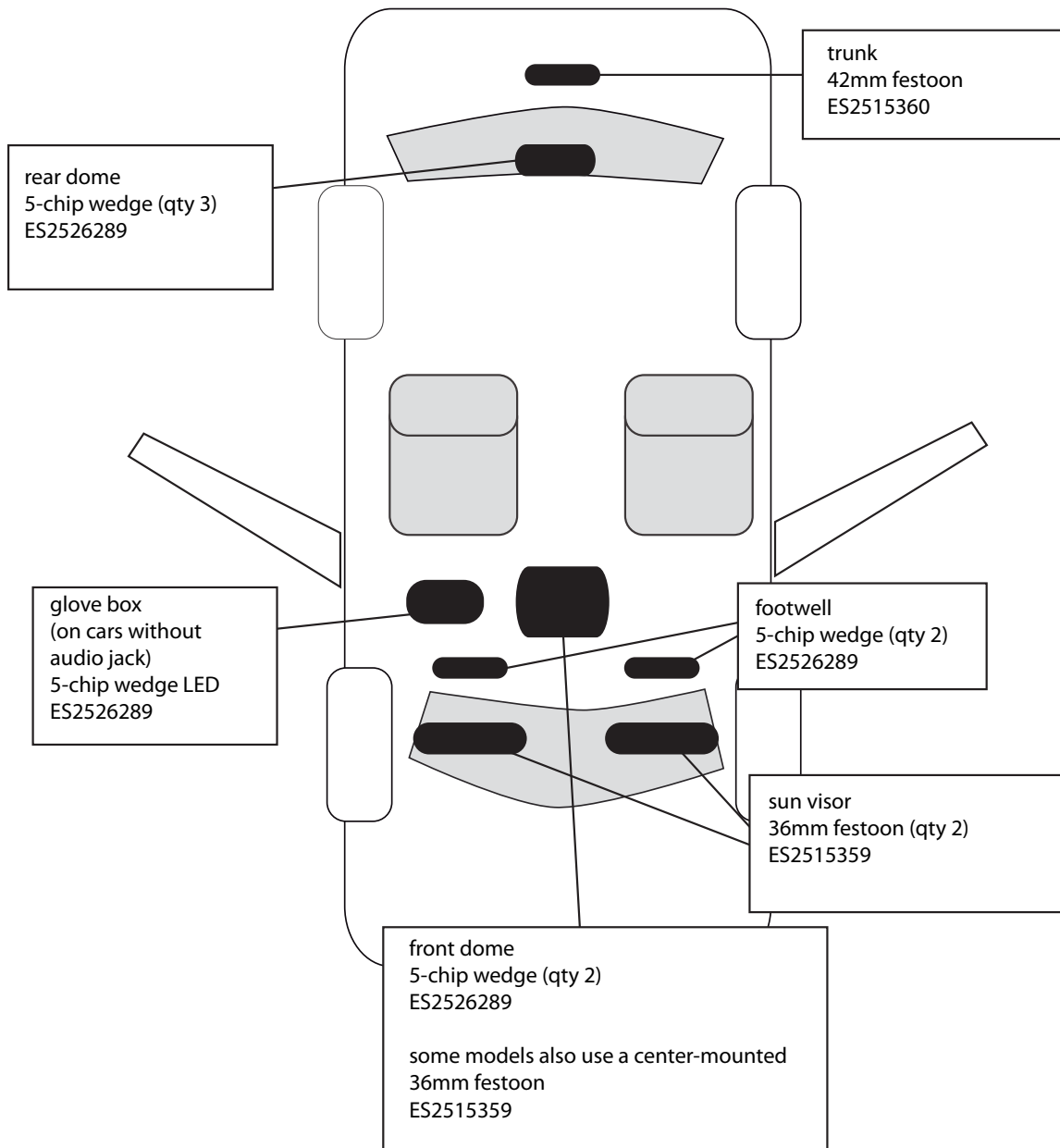## Ziza Interior Lighting Kit Locations

Make_____Golf__GTI_____

Model_____MKV_____

Kit Part Number__ES2207827_____

trunk
42mm festoon
ES2515360

rear dome
5-chip wedge (qty 3)
ES2526289

glove box
(on cars without
audio jack)
5-chip wedge LED
ES2526289

footwell
5-chip wedge (qty 2)
ES2526289

sun visor
36mm festoon (qty 2)
ES2515359

front dome
5-chip wedge (qty 2)
ES2526289

some models also use a center-mounted
36mm festoon
ES2515359

Front Dome and Vanity LED Installation

Front Dome - Step 1

Use the trim removal tool to pry down the rear edge of the trim cover at the overhead console.

Front Dome - Step 2

Drop the rear of the panel down and let it hang.

Use a T20 Torx® driver to remove the two attachment screws holding the dome light console in place.

Drop the console assembly down.

Front Dome - Step 3

Special note: Some models also have a center festoon bulb in the dome light console. An extra 36mm festoon is included in your kit for those applications.
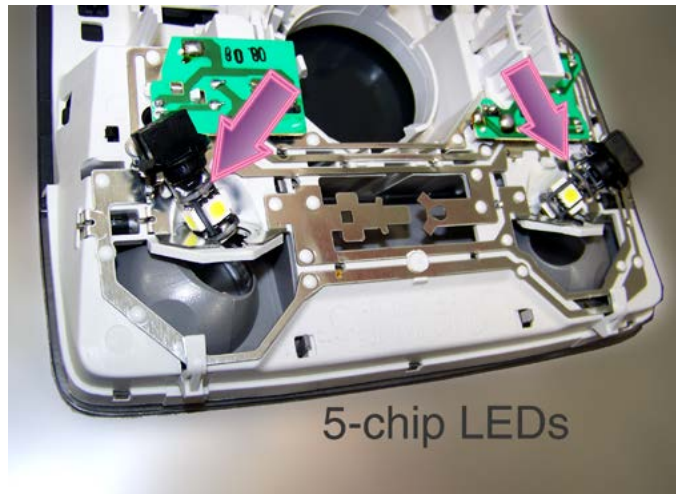

Front Dome - Step 4

Twist and pull to remove the two bulb holders located in the rear of the console.

Pull the old wedge style filament bulbs from the holders and install new 5-chip wedge base LEDs in their place.

Note: The LEDs are polarity sensitive. If the LEDs do not work when initially installed, remove the bulb holders and rotate them 180 degrees before reinstalling them.

5-chip LEDs

Front Dome - Step 5

Reinstall the dome light assembly. Insert the front first so the tabs on the console align with the notches in the headliner insert.

Then lift the rear into place and replace the two attachment screw removed in Step 3.

Snap the trim cover in place to complete the dome light installation.

Vanity Lights - Step 1

Drop the sun visors to expose the vanity lights.

Insert the tip of the trim removal tool between the vanity light and the metal support collar in the headliner. Do not pry on the metal collar.

Press inward to compress the metal spring clip; pry the light down.

Vanity Lights - Step 2

Remove the old filament style festoon bulb and insert a 36mm festoon LED array in its place. The LED chips should face the lens.

The LED array is polarity sensitive. If it does not work when initially installed, flip it end-for-end to get it working.

Vanity Lights - Step 3

Replace the vanity light. Make sure the metal spring clip snaps and locks in place against the metal collar in the headliner.

Repeat the process at the opposite side vanity mirror light.

Glove Box

Our car has no glove box light. The normal glove box light location in this car is filled by a dealer-installed audio input jack (arrow).

If your car has the stock glove box light, pry it down with the trim removal tool. Replace the original wedge base filament bulb with a 5-chip LED.

The LEDs are polarity sensitive. If they do not work when initially installed, remove and flip the LED in the socket to get it working.
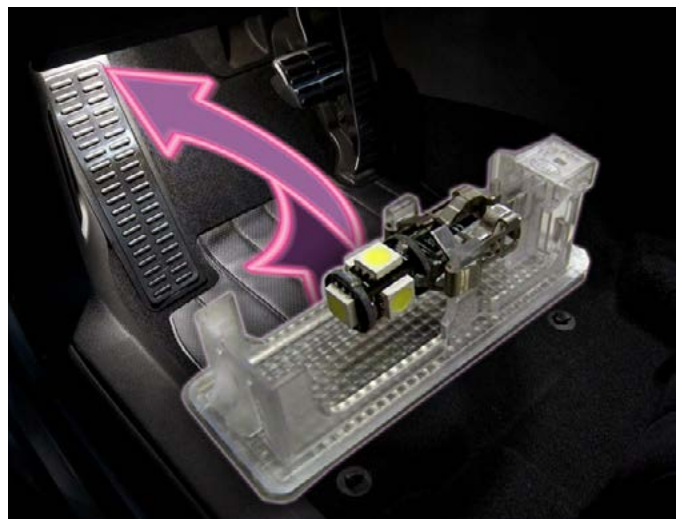
Footwell

Footwell lights are located at the lower edge of the dashboard, above the footwells on both the driver and passenger sides.

Pry down the lights using a trim tool to remove them. Replace the original filament bulbs with 5-chip wedge base LEDs.

The LEDs are polarity sensitive. If they do not work when initially installed, remove and flip the LED in the socket to get it working.

Trunk

The trunk light is located in the trunk liner on the right side.

Use your trim tool to pry down the light.

Remove the old filament style festoon bulb and install a 42mm festoon LED array in its place.

The LEDs are polarity sensitive. If they do not work when initially installed, remove and flip the LED in the socket to get it working.

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Rear Dome Light LEDs

Rear Dome Light - Step 1

Use the trim removal tool or your fingers, pull down the trim bezel surrounding the rear dome light.

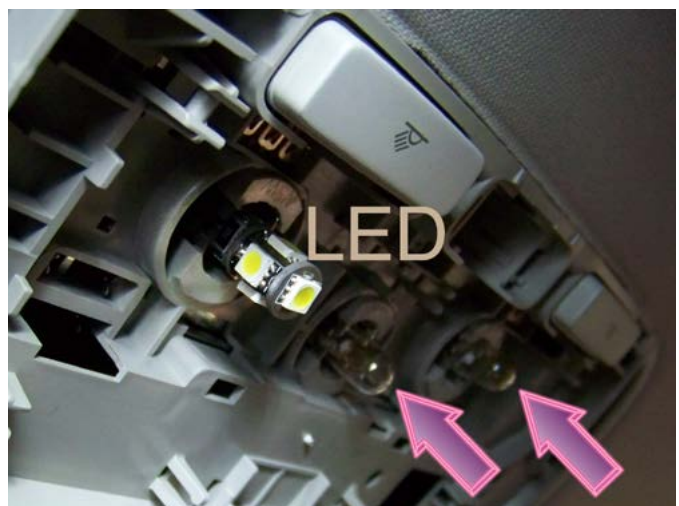The bezel is held in place by four plastic clips.

Rear Dome Light - Step 2

Remove the filament style bulbs (arrows) from the rear dome light and replace them with three 5-chip LEDs.

The LEDs are polarity sensitive. If they do not work when initially installed, remove and flip the LED in the socket to get it working.

When all LEDs are tested and working, snap the trim bezel back in place to complete the rear dome light installation.

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This concludes the installation of the Ziza Interior Light Kit.