ECS TUNING

Ziza® Interior Lighting Package Installation Procedures

Part Number ES2580244

for Audi A3
(2005+)

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LED Installation Instructions
Interior Lighting Kit for Audi A3
ES2580244

Tools

Trim removal tool – ES517779 (Kit)

Kit Contents

5-chip wedge base white LED (qty 2)
5-chip bayonet base white LED (qty 4)
36mm white LED festoon (qty 2)
42mm white LED festoon (qty 2)

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 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.
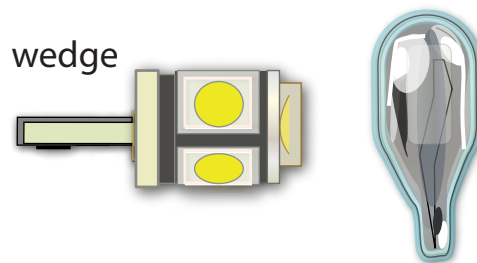
festoon
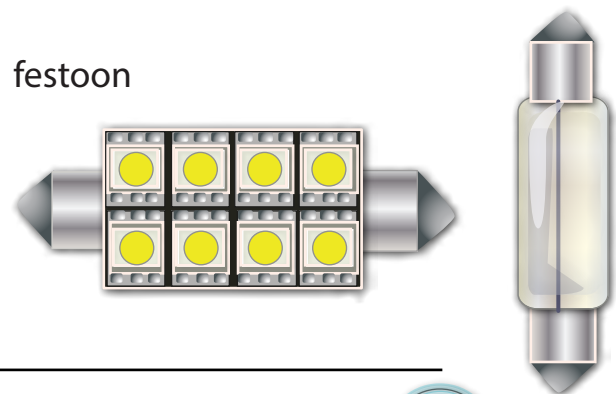
WEDGE - Wedge style bulbs get their name from the shape of the bulb base. The tapered end of the bulb "wedges" into the bulb socket.
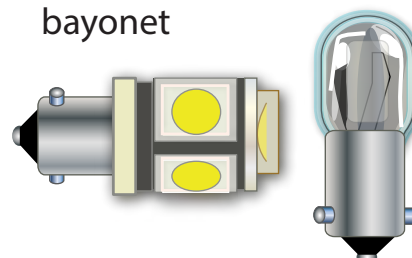
LED wedge lights fit the bulb socket like a filament bulb, but are polarity sensitive.

wedge

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.

While these are also polarity sensitive, the socket design automatically orients the bulb, ensuring correct polarity.
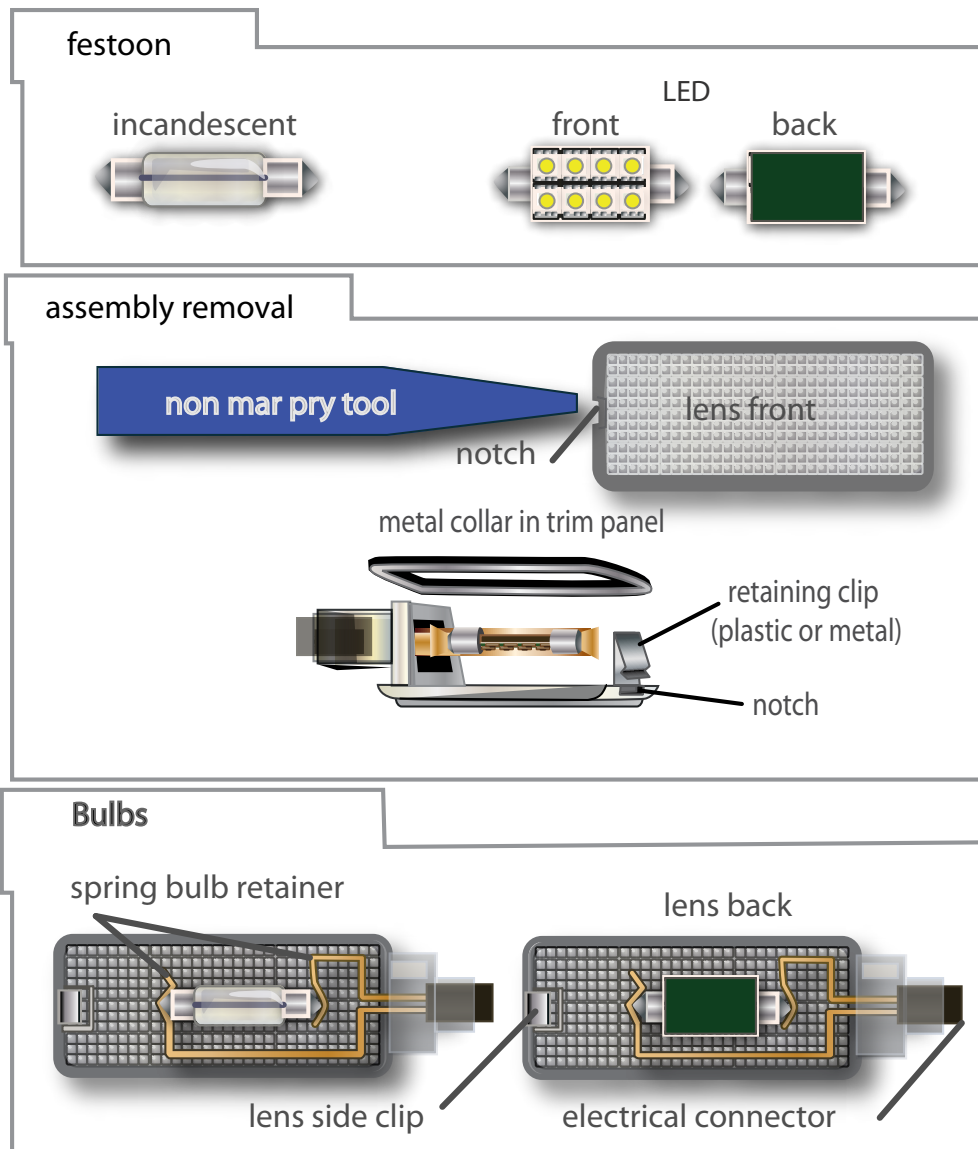
bayonet

Fits Audi A3 (2005+)

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

Fits Audi A3 (2005+)

Ziza Interior Lighting Kit Locations

Make_____Audi_____

Model_____A3_____

Kit Part Number_____ES2580244_____

cargo area
5-chip wedge base bulb
ES2580814

rear dome
5-chip bayonet (qty 2)
ES2515347

glove box
5-chip wedge base bulb
ES2580814

sun visor
36mm festoon (qty 2)
ES2612271

front dome
5-chip bayonet (qty 2)
ES2515347

42mm festoon (qty 2)
ES2594148

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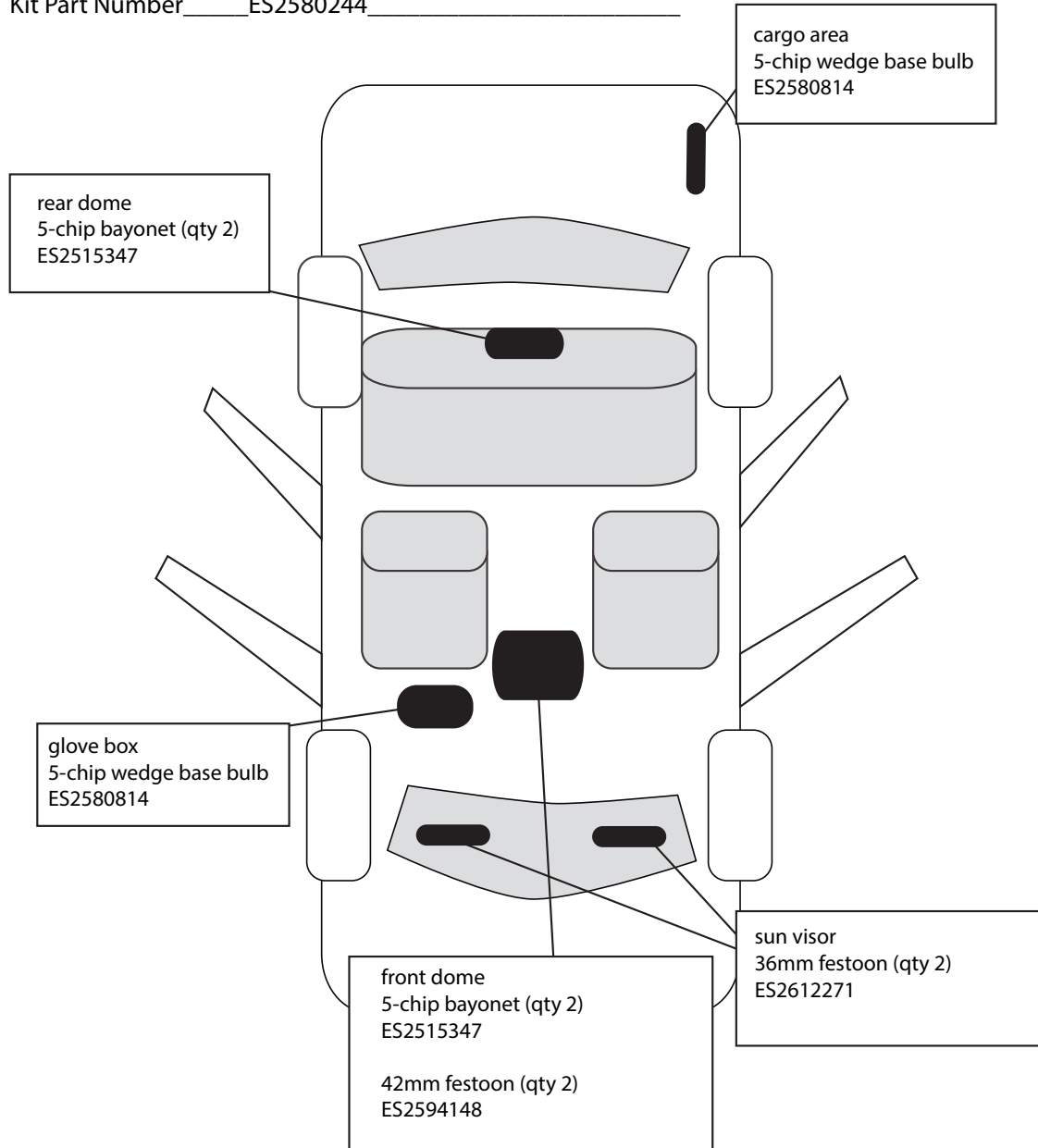
Ziza Interior Lighting Package Installation
ES2580244

Front Dome, Vanity, and Glove Box LED Installation

Front Dome - Step 1

Using a trim removal tool, pry down gently on the edge of the front dome light lens.

Pop the lens cover free and remove it.

Front Dome - Step 2

With the lens removed, pry the old glass festoon bulbs (arrows) from their holders.

festoon glass bulbs

Front Dome - Step 3

Replace the original glass festoon bulbs with 42mm festoon LED arrays (arrows).

The LED arrays are polarity sensitive. If either does not work when initially installed and tested, flip it end-for-end to get it working.
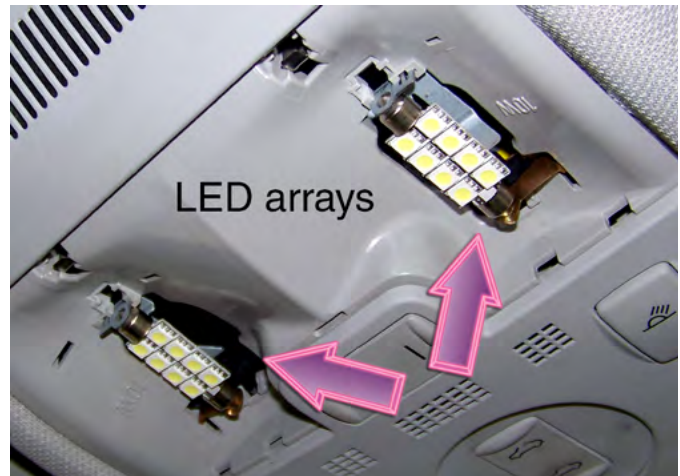
Front Dome - Step 4

With the festoon LEDs installed at the rear of the dome light console, move forward to the front trim panel.

Using a non-marring trim removal tool, pry at the edge of the trim panel, as shown. Pry gently at several locations along the edge until the panel drops down.

Front Dome - Step 5

Removing the front cover exposes the two bayonet base filament bulbs (arrows).

Push the bulbs in slightly and twist to remove them.

Front Dome - Step 6

Install the front bayonet style LEDs.

This photo (shot from the front of the dome light console looking toward the rear) shows all four LEDs installed in the front dome light console.

Front Dome - Step 7

Snap the front trim piece and lens in place.

Front Dome - Step 8

Front dome light installation completed.

Fits Audi A3 (2005+)

Vanity Light - Step 1

The vanity mirror lights are located in the headliner above the sun visors.

Insert the tip of the trim removal tool at the notched end of the light. Press in to compress the spring clip as you pry down.
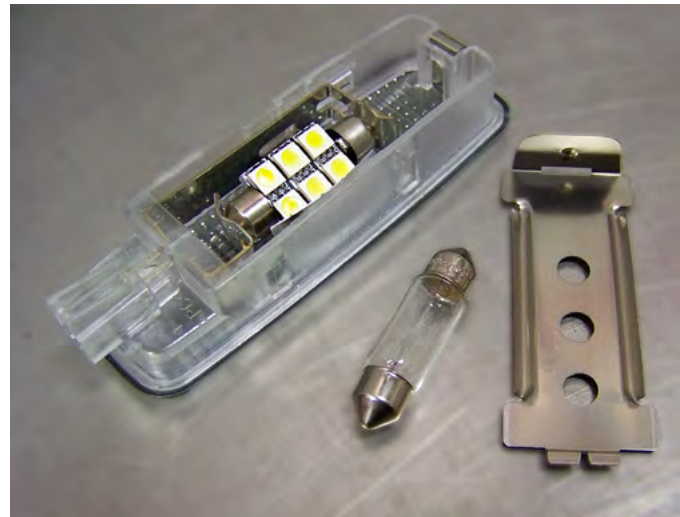
Pull the light down from the headliner.

Vanity Light - Step 2

Pry the metal heat shield from the back of the light.

Remove the original glass festoon bulb and replace it with a 36mm festoon LED array. (The LED light chips should face the lens when installed.)

Vanity Light - Step 3

Reconnect the light and test it. Then replace the heat shield and reinstall the light in the headliner.

Repeat the process at the opposite side to complete the vanity light LED installation.

Fits Audi A3 (2005+)

Glove Box

Pry at the notched end of the glove box light to remove it.

Pry the black plastic heat shield from the back of the light and replace the original wedge base glass bulb with a 5-chip wedge base LED.

The LED array is polarity sensitive. If it does not work when initially installed, flip it 180 degrees in the bulb holder to get it working.

Reinstall the light assembly in the glove box liner.
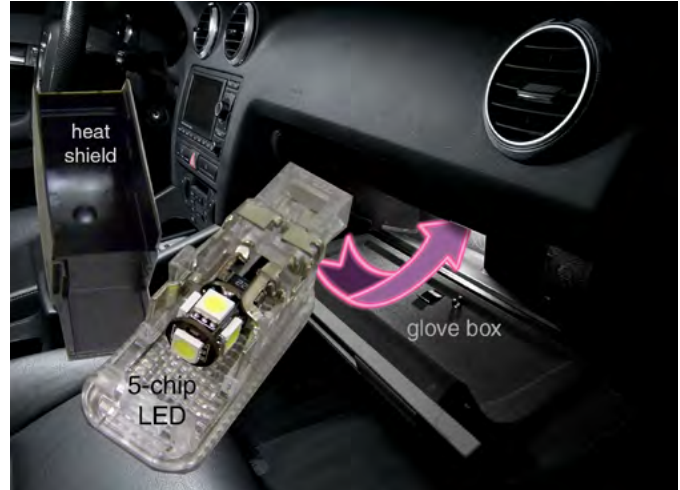
Rear Dome and Trunk LED Installation

Rear Dome - Step 1

Using a non-marring trim removal tool, pry down on the rear dome light assembly to pop it free.

The next photo shows the location of the spring clips that hold the light in the headliner.

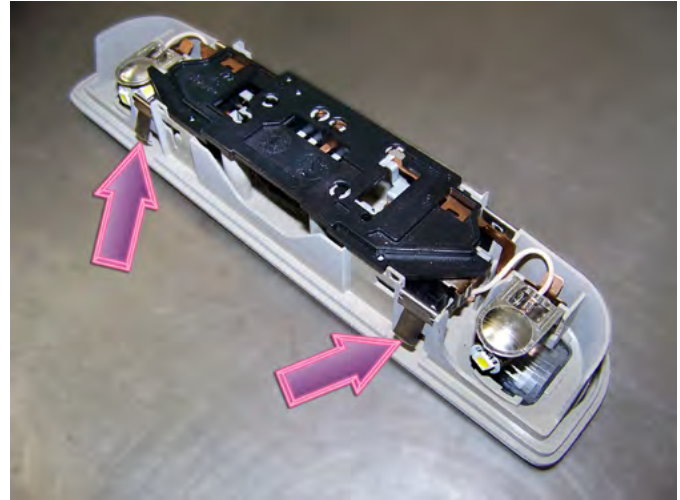## Rear Dome - Step 2
Note the location of the metal spring clips (arrows). Press at these locations with the trim tool tip to compress the clips as you pry down the light.

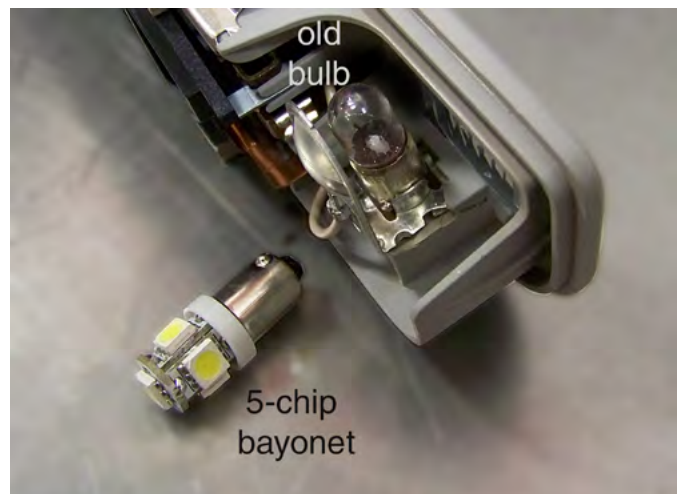The rear dome assembly has two bayonet base bulb holders.

Rear Dome - Step 2
Push slightly and twist the original bayonet bulbs in their sockets until they pop free.

Remove them and install 5-chip bayonet base LED arrays in their places.

Reinstall the light assembly in the headliner to complete the rear dome light LED installation.


Trunk
The light assembly in the trunk is identical to the one in the glove box.

Pry down the assembly and remove the plastic heat shield. Replace the original wedge base filament bulb with a 5-chip wedge base LED.

Rotate the LED array 180 degrees in its holder if it does not light when initially installed and tested.

Replace the light assembly in the trunk liner to complete the trunk light LED installation.
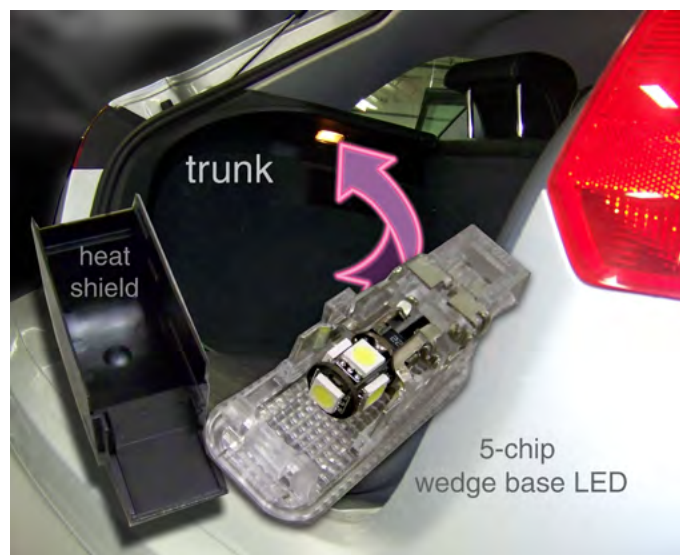
This concludes the installation of the Ziza Interior Light Kit.

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