



BMW E9X Ziza LED Angel Eye Bulb Installation Instructions



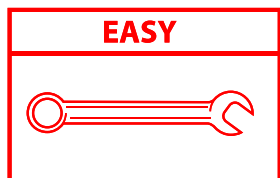
Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times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

INTRODUCTION

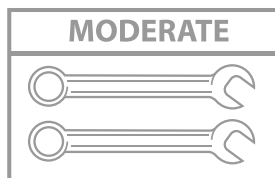
BMW E9X Ziza LED Angel Eye Set ES#2842067

The Ziza LED angel eye set from ECS Tuning offers the following:

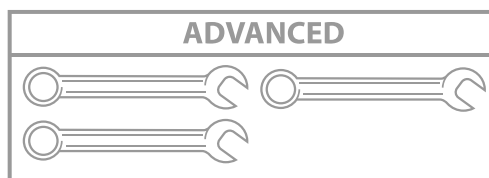
- LED angel eyes designed to be a perfect fit and a direct replacement to the OEM angel eyes
- Integrated long lasting, high quality LED's
- Plug-and-play for ease of installation and elimination of "bulb out" warnings
- Brilliantly bright lighting and visual appeal



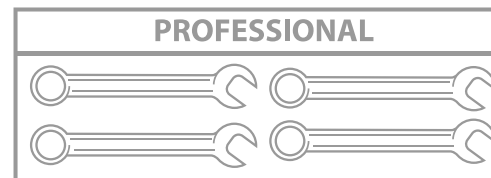
**BASIC SKILLS
REQUIRED**



**SOME EXPERIENCE
RECOMMENDED**



**ADVANCED SKILLS &
EXPERIENCE REQUIRED**



**PROFESSIONAL SKILLS &
SPECIALTY TOOLS REQUIRED**

Installing this Ziza LED angel eye set on your BMW E9X is a quick and easy project that requires only basic tools and experience. Enhance the exterior of your BMW E9X by replacing your dim, dull angel eyes with Ziza LED angel eyes. The time investment to benefit ratio is strongly in your favor, as this will only take you about an hour. Thank you for purchasing our ECS Tuning Ziza LED angel eye set. We appreciate your business!

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Kit Contents



Two Ziza LED Angel Eye Bulbs

REQUIRED TOOLS

Note: The tools required for each step will be listed by the step number throughout these instructions.

Below is a list of the tools we used to install our ECS Tuning Ziza LED angel eye set. Additional tools may be required for any issues that arise during installation such as rust, corrosion, or broken and stripped fasteners. Tools with a part number listed are available on our website - click on their [ES# link](#) to view them.

- Wheel Hanger [ES#2636265](#)
- 1/2" Drive Torque Wrench..... [ES#2221244](#)
- 17mm Protecta-Socket..... [ES#2221243](#)
- Impact Wrench (for lug nuts)
- Torx Drivers: T15 [ES#11417](#)
- 1/4" Ratchet
- 1/4" Sockets: 8mm, 10mm
- Flat Blade Screwdriver(s) [ES#2225921](#)

SHOP SUPPLIES AND MATERIALS

Below is a list of standard shop supplies which we like to keep on hand during all repairs and services. Shop supplies with a link are available on our website.

Hand Cleaner/Degreaser - [Click Here](#)

Aerosol Brake/Parts Cleaner - for cleaning and degreasing parts

Shop Rags - used for wiping hands, tools, and parts

Pig Mats - for protecting your garage floor and work area from spills and stains - [Click Here](#)

Penetrating oil - for helping to free rusted or stuck bolts and nuts

Mechanics wire - for securing components out of the way

Silicone spray lube - for rubber components such as exhaust hangers

Spray detailer - for rapid cleaning of anything that comes into contact with your paint such as brake fluid - [Click Here](#)

Paint Marker - for marking installation positions or bolts during a torquing sequence

Micro Fiber Towels - for cleaning the paint on your car - [Click Here](#)

Latex Gloves - for the extra oily and dirty jobs - [Click Here](#)

Medium and High Strength Loctite Thread lock compound - to prevent bolts from backing out - [Click Here](#)

Plastic Wire Ties/Zip Ties - for routing and securing wiring harnesses or vacuum hoses

INSTALLATION NOTES

- RH refers to the passenger side of the vehicle.
- LH refers to the driver side of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process before you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety. Please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- Always wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- If using an automotive lift, be sure and utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- When lifting a vehicle using a jack, always utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear. Always support the vehicle with jack stands.
- Always read and follow all safety information and warnings for the equipment you are using.



Never get underneath a vehicle that is supported only by a jack. Always make sure that the vehicle is securely supported on jack stands.

REMOVING THE ORIGINAL ANGEL EYE BULBS

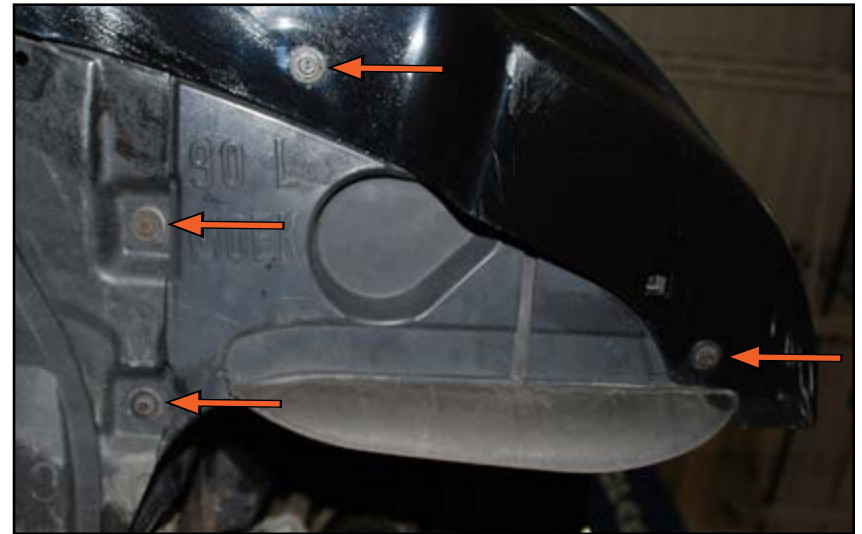
Step 1:

Safely raise and support the vehicle and remove the front wheels. We are using a Protecta-Socket so we do not damage the finish on the wheels and a wheel hanger to support the wheel once the lug bolts are removed.



Step 2: 8mm Socket, 1/4" Ratchet

The forward section of each front fender liner must be removed to access the bottom of the headlights and the Angel Eye bulbs. Begin by removing the four screws underneath the front that secure each one to the front bumper cover and insulation panel.

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REMOVING THE ORIGINAL ANGEL EYE BULBS

Step 3: 8mm Socket, 1/4" Ratchet

Remove the screw holding the forward fender liner to the brake duct.



Step 4: 10mm Socket, 1/4" Ratchet

Remove the nut securing the lower corner of the forward fender liner to the body.



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REMOVING THE ORIGINAL ANGEL EYE BULBS

Step 5: 8mm Socket, 1/4" Ratchet

Remove the two screws holding the forward fender liner to the edge of the fender.



Step 6: 8mm Socket, 1/4" Ratchet

Remove the two upper mounting screws.

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REMOVING THE ORIGINAL ANGEL EYE BULBS

Step 7:

Pull the forward fender liner out and disconnect the tire pressure monitor controller, then set the fender liner to the side.



Step 8:

Locate the Angel Eye bulb cap on the lower side of each headlamp.

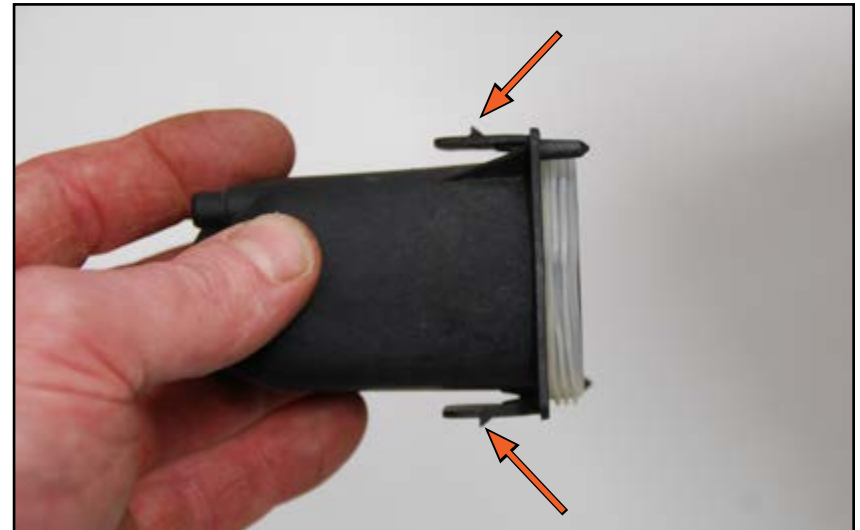


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REMOVING THE ORIGINAL ANGEL EYE BULBS

Step 9:

Each cap is held in place by two tabs, one on the top and one on the bottom. This picture of a removed cap shows the two tabs which hold it in place.



Step 10: Flat Blade Screwdriver

Pry the tabs towards the cap (pry the top one down and the bottom one up), then pull the cap back off the headlamp assembly. You will not be able to see the top one, but you can easily access it and pop it loose with a screwdriver.

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REMOVING THE ORIGINAL ANGEL EYE BULBS

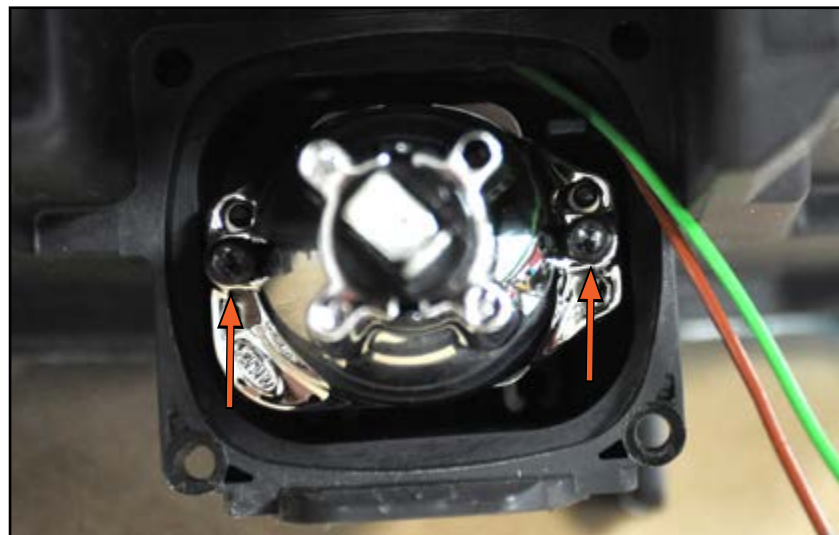
Step 11:

Pull the two wires off of the original bulb.



Step 12: T15 Torx

Remove the two torx screws and remove the original bulb.

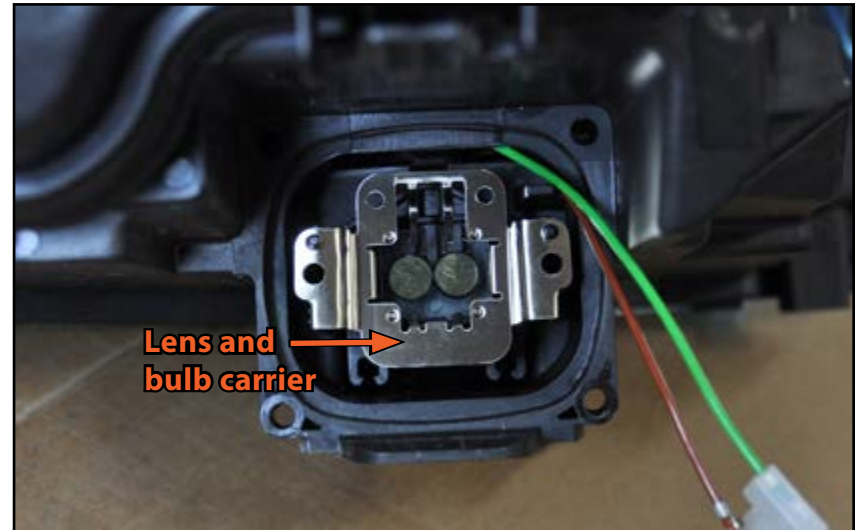


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REMOVING THE ORIGINAL ANGEL EYE BULBS

Step 13:

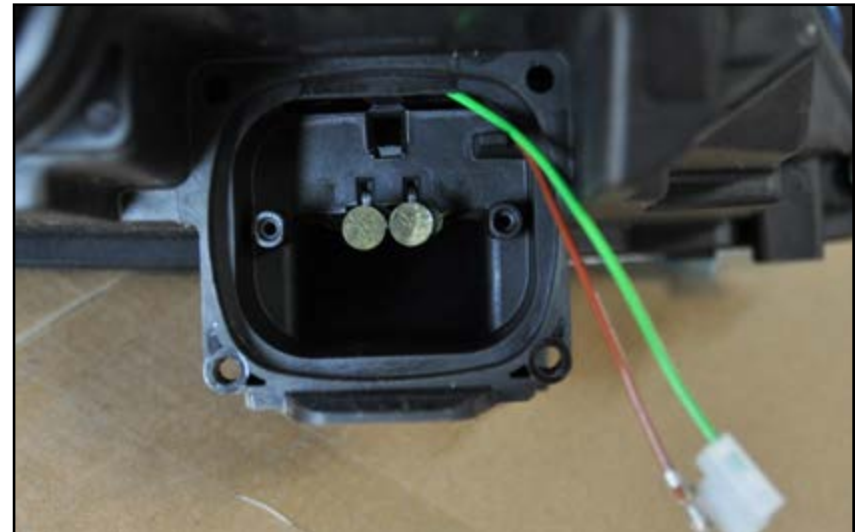
Underneath the original bulb you will see a lens and bulb carrier. Pull it out of the headlight housing.



Step 14:

With the lens and bulb carrier removed you will be able to see the ends of the fiber optic rods for the angel eyes.

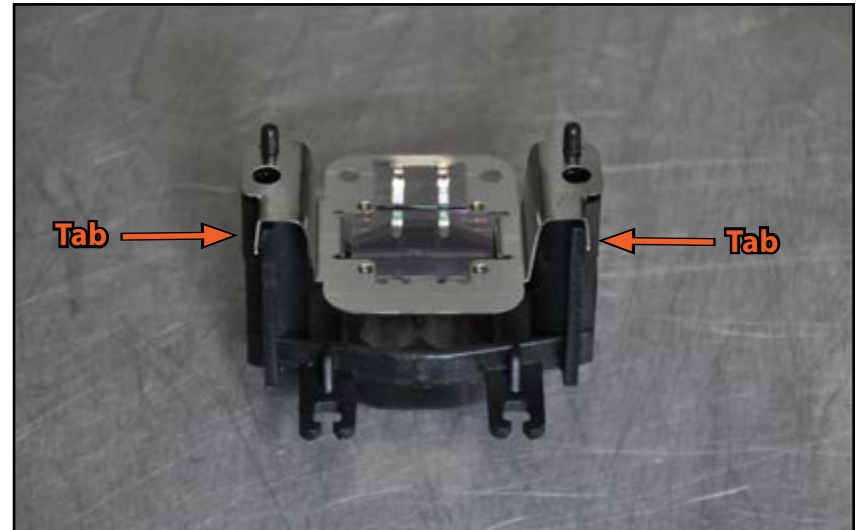
You are now ready to install the new Ziza angel eye bulbs!

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INSTALLING THE NEW ZIZA ANGEL EYE BULBS

Step 1: Flat Blade Screwdriver

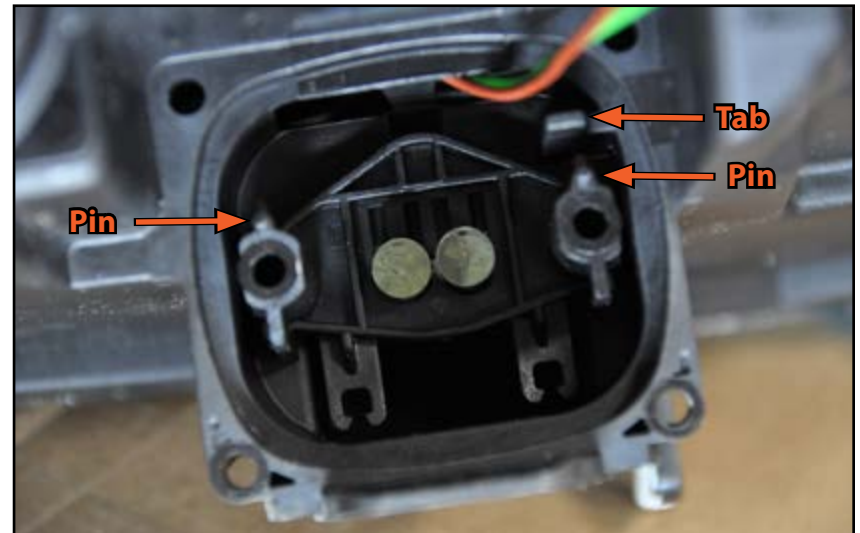
The original lens is held onto the bulb carrier by two small metal tabs (arrows). Gently pry out the tabs to unhook them and remove the lens from the bulb carrier.



Step 2:

Slide the bulb carrier back into the headlight housing. The fiber optic rods will slide through the center and it will only install one way. At this step, be sure and note the following points:

1. There is an alignment pin above each screw hole.
2. There is a tab protruding from one corner of the housing which prevents you from installing the bulb upside down.

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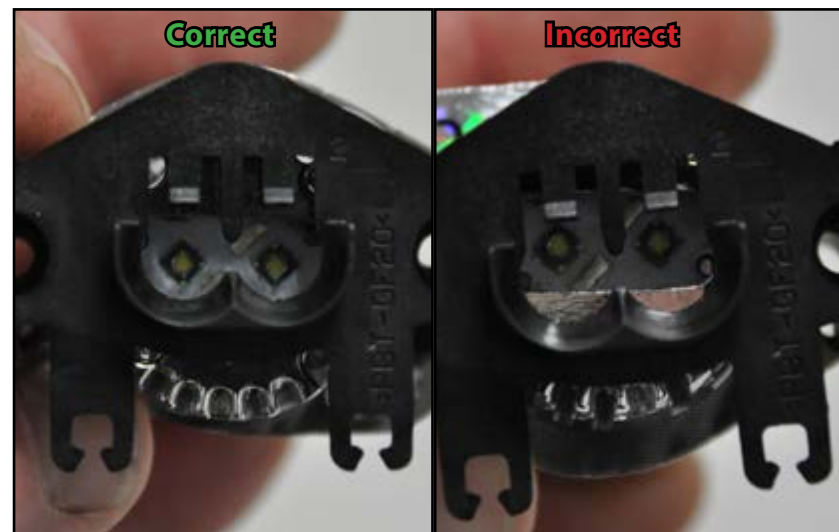
INSTALLING THE NEW ZIZA ANGEL EYE BULBS

Step 3:

Before you install the bulb, pay attention to the information on this page. Although the bulb and housing are designed to prevent incorrect installation, in the event one of the alignment tabs is missing from your headlight housing you will need to confirm that the new bulb is being installed correctly.

The picture on the left shows the alignment of the new Ziza bulb when it is properly aligned. Note how only the LED's are visible through the opening in the bulb carrier.

The picture on the right shows the new Ziza bulb when it is misaligned. Note how the LED's are offset towards the top and part of the metal heatsink is visible through the opening in the bulb carrier.



Step 4:

Inspect the new Ziza bulb. You will see that one corner of the bulb protrudes out (arrow). This is designed to interfere with the tab identified in [step 2](#) and force you to flip the bulb over. Also note that the screws are always installed in the center holes.

CAUTION

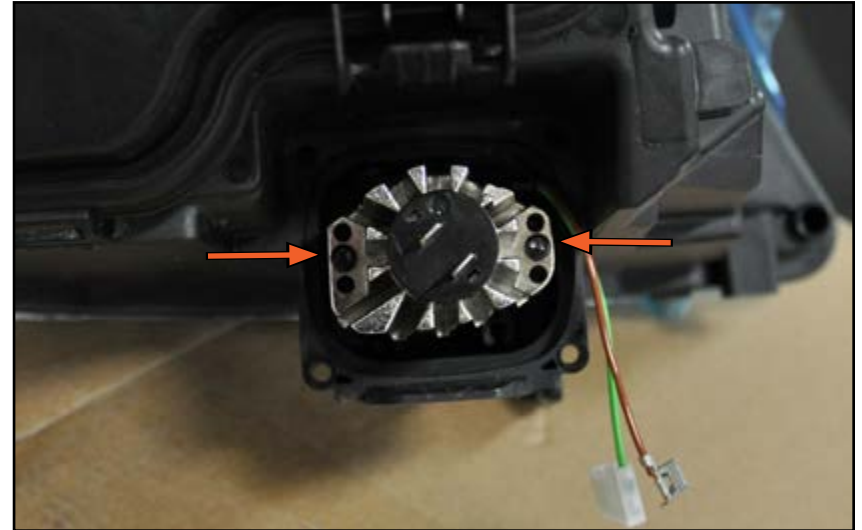
If you install the bulb upside down, you can cause damage to the fiber optics in your headlamps. Be sure to confirm that you are installing these bulbs the correct way.


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INSTALLING THE NEW ZIZA ANGEL EYE BULBS

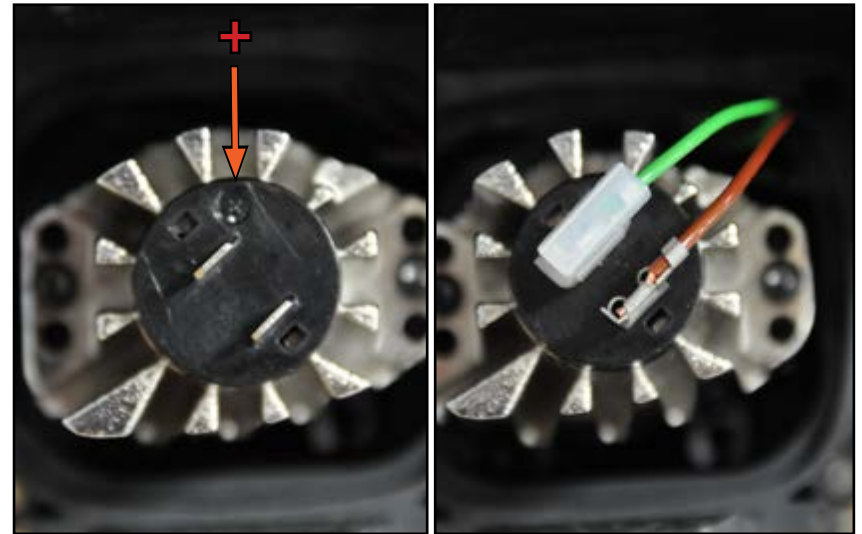
Step 5: T15 Torx

Install the new Ziza bulb into place and install the two screws, one in each center hole.



Step 6:

Connect the wires to the new Ziza bulb. The positive connection on the bulb is marked on the bulb end cap with a small + sign. The green wire connects to this and the brown to the other.


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FINAL INSTALLATION STEPS

Reassemble the vehicle using the following checklist:

Install the angel eye bulb caps

Connect the tire pressure monitor controllers and reinstall the forward fender liners

Reinstall the wheels and torque the lug nuts to 120 Nm (88 Ft-lbs)

Your Ziza Angel Eye bulb installation is complete!



These instructions are provided as a courtesy by ECS Tuning.

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