

Product Installation



Installation Steps

1. Consult your vehicle owner's manual for bulb changing instructions. Check original bulb output pattern before removing old/current bulbs. Turn off power to the lighting circuit, disable any automatic setting. Access the bulb by removing the bulb access cover (if one is present) by turning the cap counter-clockwise. Wear latex or similar gloves to protect OEM halogen bulbs and new LED bulbs from skin contact. Store original working bulbs in vehicle for future use.
2. Remove the electrical connector from the bulb by pressing or lifting the release tab (Figure 1). Remove the bulb itself by turning counter clockwise. (Figure 2, Some vehicles will use a pin/clip style or bulb collar)
3. Confirm the bulb being replaced is a proper match with your Lucas Lighting bulb.
4. Connect the new bulb and confirm electrical polarity is correct. (Some connector styles allow reverse, which will not harm the bulb, but will only light when correct)
5. Place control box and decoder into the bulb housing. Insert your Lucas Lighting bulb by aligning the bulb collar to the housing (Figure 3). The bulb should install the same way as the original that was removed, turn clockwise (Figure 4). It may be necessary to install the collar first then insert the bulb (Figure 5). The wire typically exits the bottom of the bulb if it is clocked correctly, the LEDs typically face 3 and 9 o'clock positions, there are rare vehicles where alignment is different.
6. Before reassembly, confirm the light output pattern matches the original from step 1, there are no dash fault codes or light flickering (some vehicles will require a decoder). Make sure the bulb is properly seated into position and locked into place.

Troubleshooting

Light is not on

1. Make sure the power cable is connected snugly and in correct polarity.
2. Verify power and ground output from plug.
3. Check for lamp out fault. You may need to install a decoder.

Lights are blinking or flickering

1. Check the output voltage of the vehicle power supply with a multimeter.
2. Flickering lights indicate PWM circuitry and require a decoder.

Fan does not spin

Check the fan blades for debris and clear if necessary.

Please read the instruction manual carefully

Thank you for choosing Lucas Lighting LED automotive bulbs. Please read and fully understand this manual before use.

Professional installation

The installation of this product requires mechanical skill and technical knowledge. To achieve the best results, professional installation is recommended.

Attention

1. This product is suitable for 12V-24V vehicle platform operation.
2. Before installing, please confirm the proper replacement lamp size. Correct size is required.
3. This product may not be disassembled or modified or used beyond its intended use.
4. Please keep the original lights removed from the car for on road needs. Handle with care, as contaminants will affect the life of the bulbs. Please check your local laws before use.
5. Please clean the dirt and dust on the radiator fins and fan blades if exposed to elements.
6. Products are continuously improved. Design and specifications are subject to change.
7. Check for lamp-out faults or rapid light flashing. If this occurs, use a Lucas Lighting decoder in line between the vehicle harness and the bulbs to resolve.
8. Lucas Lighting technical support can be reached by email at SUPPORT@LUCAS-LIGHTING.COM or by telephone at 1 (408) 623-1380.

Precautions

1. Keep moisture-proof materials and plastics away from children.
2. This product should be installed by professionals to avoid damage to the vehicle and/or the product caused by improper installation.
3. Improper cooling will shorten the life of the bulb. Allow clearance for the fan and/or heatsink.
4. If there is any smell or strange noise during the operation of the product, please disconnect the power immediately and contact an authorized dealer or Lucas Lighting for assistance.
5. If the product is damaged, please disconnect the power immediately! Contact an authorized dealer or Lucas Lighting for assistance.
6. Please check the power cord and fan regularly. If there is damage or debris, please contact an authorized dealer or Lucas Lighting for assistance.
7. Do not modify. Modification will void warranty, and potentially cause significant damage to the product and vehicle in which it has been installed.

****Consult local laws concerning vehicle lighting requirements and modification****