

# ClassicLEDs

## Making the Past Brighter

ClassicLEDs is please to present their latest line in Corvette LEDs. This covers the 1975 thru 1979 Corvette. This systems does not include the Corvette.....

### **PLEASE NOTE:**

**These instructions are intended to be used by a person with average mechanical and electrical skills.**

**This system requires a front OEM bulb be installed. If your turn signals do not operate properly, replace your OEM metal flasher with an over the counter electronic flasher. These are available at any parts store.**

**Should you install LEDs in the front turn signals, and the electronic flasher does not operate the turn signals, a no load flasher is required.**

**Check operation before purchasing either.**

This conversion requires the brake and reverse light housings to be removed, disassembled, reassembled and installed. This should take the average owner about two hours.

Please read the instructions prior to beginning. This will allow you to assemble the required tools and give you a better idea of the installation.

This system replaces the OEM bulbs with red LEDs for the brake lights and white LEDs for the reverse lights. If you purchased the system that adds the second brake, the white reverse light lens will show red when the brake and turn signal is in operation. The photos to the right show the operation.

After removing all the lens and housings, take them to the your work area.

You will now remove each lens from the housings.



Prior to cutting the lens and housing apart, it is advised you mark each housing and the lens ring. This will help realign the lens when reassembling each unit. You will also keep the markings on the lens in their proper place. A small mark only. A **washable marker is advised.**



**PLEASE NOTE:**

**THIS PROCESS SHOULD BE DONE BY PERSONS WITH A REASONABLE AMOUNT OF SMALL TOOL KNOWLEDGE**

**DO NOT USE A RAZOR, SHARP KNIFE OR OTHER SMALL CUTTING TOOLS AS YOU WILL INCREASE THE CHANCES OF CUTTING YOU HAND OR FINGERS.**



**A POWER TOOL, SUCH AS A DREMEL IS ADVISED.**

While cutting the lens open, you should secure the lens using a vise or other suitable device, such as the extending arms on a table saw. This ensures a smooth cut and reduces the chance of damaging the lens and housing. Use a cloth to protect the lens.



Using a dremel diamond cutting wheel or other cutting tool, cut close to the metal ring as this is the thinnest plastic point.

While cutting several lens, it was found that if you cut the width of the wheel, then reverse your cut to keep the plastic from reattaching the lifting the wheel out and moving to the next cutting point and repeating, the plastic cuts quickly. At the points where the screw hole are, you will need to pry this area off as the wheel does not reach all the way in. Be careful not to damage this area while prying as you may damage the entire lens.

After cutting them apart, remove any melted parts around the edges. You will not need to sand or file the edges. You will be able to refit the lens and housings using some of the rough parts within the lens and housing edge as shown. However, big pieces should be removed.



Keep each lens and housing together. You may wish to use a plastic tie or string to keep them together. This ensure the lens and housing

are matched with each other.

After disassembling each housing, wash the lens and housing. A mild dish detergent is all that is needed. This step is not required on new lens housings. However, I would remove any dirt that has gotten into the housing.

Ensure the lens and housings are completely dry before continuing.

### **Reverse light.**

After inspecting each lens and housings, each lens will require a bead of silicon around the center sections. This is where the LED board will be placed.

Remove the string or tie when working on each lens unit. Ensure the lens and housing remain together.

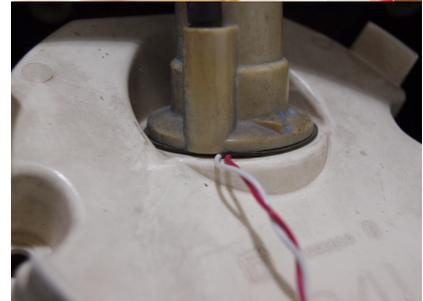
The reverse light LED board contains a single contact, 1156 bulb based wire harness. In addition, if you purchased the system updating this light to operate as a reverse and brake, you will find two additional wires. One red, the other white.

These will run from this housing to the brake light wire harness. The red wire taps into the brake light wire, the white to the running light wire.

A small half round notch should be made where the OEM bulb socket is installed to the housing. Make this hole large enough to hold the wires away from the socket so they are not damaged when the socket is installed. A small round file works best, but the edge of a square file will also work. The plastic is soft. Ensure you make the hole large enough to hold the wires under the socket without pinching or cutting them.

Push the wires and plug through the OEM socket hole and attach the lens. Ensure the plug is clean. Remove any sealant that may still be around the plug.

When reassembling the lens and housing, place a small bead of silicon around the outer edge of the lens. Ensure you do not fill the small hole in the housing or the area around the screw holes. The small hole allows air to flow in and out of the housing allowing heat to flow. Although



LEDs do not get as warm as an OEM bulb, they do produce a bit of heat. Align the mark you made before cutting, and press lens and housing together. A small amount of silicon will be squeezed out along the edge. Push this back in to ensure a good seal.



The lens and housing will be squeezed together when you install them. This will keep the lens and housing from separating. The silicon is to keep the system somewhat water tight.

While drying, place a small weight on the lens to ensure the lens and housings do not move around while the silicon is setting. See silicon instructions for drying time.



### **Brake lights**

The brake light LEDs install in the same manner as the reverse. There are no additional wires.

Brake light LED boards sit on a ledge within the center of the lens. Place a bead of silicon on this ledge, then place the board into the silicon. Move the board a bit to ensure a smooth fit. Ensure the boards are flat within the lens. Allow a few minutes for the silicon to setup before moving lens.



As with the reverse lens, place a bead of silicon around the housing's edge, align the mark and press the lens and housing together. Use a weight to ensure the silicon is allowed to dry without the lens moving.

### **Installing lens and housing in Corvette**

The LED boards plug into the OEM socket in the same manner as the OEM bulb. If you are installing the system with the updated reverse light, install the reverse light first.



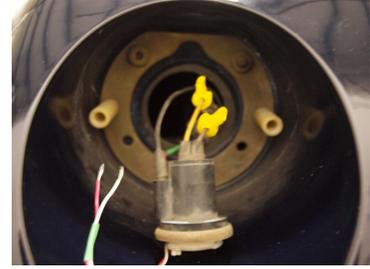
### **Reverse light.**

Push the separate wires into the housing opening on the Corvette's body. Pull the wires over to the brake light opening. Secure the wires so they will not slip back into the body while installing the reverse light.

Plug the LEDs into the OEM socket. Test for proper operation of the reverse and brake lights before completely tightening the mounting screws.

## **Brake light.**

Before installing the housing, connect the reverse light brake light wires to the OEM wire harness.



Find the brake/turn signal wire. Tap the red wire into this wire  
Find the running lights. Tap the white wire into this wire

Plug the brake light LEDs into the brake light socket. Secure the brake light housing to the body but do not completely tighten the screws until the entire system is checked for proper operation.

Test for proper operation of the entire system to ensure the both brake, running and reverse lights are working properly.

After testing and ensure the complete proper operation of all lights, secure all four housings to the Corvette's body per your instruction manual.

If the turn signal does not operate, but the running and brake lights work, you will need to replace the OEM metal turn signal flasher with an over the counter electronic flasher. A no load flasher is not required provided you have an OEM bulb installed in the front turn signal.

**Should you have any questions, please contact ClassicLEDs LLC at 541.463.7623 or**

**[ClassicLEDs@comcast.net](mailto:ClassicLEDs@comcast.net)**

**ClassicLEDs** is a small family owned business. ALL our LED products are manufacture in Oregon.

### **Limited Warranty**

All ClassicLEDsLLC products are warranted against defective materials and/or workmanship to all original consumer owners from the date of original consumer purchase as long as original purchaser owns the vehicle. In the event of defective materials and /or workmanship, ClassicLEDsLLC. will, without charge, repair or replace, at its option, the defective product within 60 days from the receipt of the defective product at the following address: ClassicLEDsLLC, 3128 Marvin Dr. Eugene, OR 97404 attn Warranty Dept. Postage to ClassicLEDs paid by owner. Return postage paid by ClassicLEDsLLC.

The Warranty does not apply to damage not resulting from defective materials and/or workmanship while in the possession of the original consumer or to unreasonable use by the original consumer, which includes but is not limited to improper installation, failure to provide reasonable and necessary maintenance, or commercial applications. ClassicLEDsLLC. is not liable for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.