

## Corvette C8 Mid-Engine LED Light Kit



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It's simply not possible to provide detailed installation instructions for all installation scenarios. This information is intended to be used as a guide. You may need to vary your installation based on your vehicle and lighting goals. We assume the installer has the tools, supplies and electrical knowledge necessary to properly install the kit and to connect the 12vdc power from the car to the light system. We suggest using a volt meter to test all voltages before making any connection. If you're unsure about any of this, we strongly suggest asking someone who has the experience and knowledge to assist with the installation.

### BEFORE YOU START

We know this takes a few extra minutes but we **STRONGLY** suggest bench testing your lights (and LED controller if you purchased one) on a table before doing anything further. While we test every light strip and controller before shipping, bench testing your lights will eliminate the possibility of any problems with the lights or controller before mounting. Also, the process of bench testing gives you an opportunity to understand the wiring system without interference from other wires, connectors and cables. You can use any 12vdc battery to do this (e.g. car battery, motorcycle battery, lawn tractor battery or 12vdc power supply). Bench testing takes an extra 10 or 15 minutes. It's simple to do and can potentially save you hours of time and frustration down the road. **Please take our advice. Bench test your LEDs (AND controller if purchased) before mounting.**

BTW ... Did we mention we suggest bench **testing your LEDs and** controller before installing? You would be surprised at how many people don't take our advice on this step; many regret it later.

Follow these steps for mounting your LED strips:

- The area where you are mounting the LEDs has to be clean: free of all dirt, oil or anything that might affect the LED from sticking. You only get one opportunity to mount the LEDs so it's critical the area be prepared properly.
- Use rubbing alcohol to clean the area where you are going to mount the LED strip. Be sure to let the alcohol dry completely before proceeding to the next step. (Note: Do not use acetone or similar cleaner).
- Next, use the 3M Adhesion Promoter supplied with your kit to "paint" on the promoter where you are going to mount the LED strip. **This is an important step. Do not bypass.** Allow the promoter to dry for 60-90 seconds.
- Peel off the red backing tape that protects the 3M adhesive tape on your LED strip. Be careful not to let the tape touch anything. The 3M backing tape on these LED strips are one-use only. They cannot be reused.

Do NOT bend the LED strip in a radius of less than 2 inches.



Do NOT bend the LED strip on a horizontal plane.



Carefully push the LED strip to the area you have prepared. You will want to apply only enough pressure to the strip to make sure it is firmly mounted. *You only get one opportunity to do this.* Once the LED strip touches a properly prepared surface that has been promoted, that LED strip will be very difficult to remove. Moreover, if you do remove the LED strip, the strip cannot be used again without adding another layer of 3M adhesive tape to the back. DO NOT press too hard as too much pressure can damage the LEDs and connecting wires in the strip. Also, do not pull, stretch or twist the LED strip. Too much tension on the strip will also damage the LEDs such that some of the LEDs in the strip will not illuminate. The strip must be mounted flat against a single continuous mounting surface, in a straight line. Really important that the ENTIRE STRIP be stuck to the mounting surface and that you NOT attempt to span across multiple mounting surfaces.

**Secure the power lead firmly to the mounting surface.** Do not allow it to move at or near the point where the power lead attaches to the led strip. This is very important. If you do, the led strip will almost certainly fail prematurely at or near that point. The LED strip is not designed to withstand the constant movement, flexing or vibration of a power lead that is not secured firmly to the mounting surface. The vibration and movement of the vehicle going down the road combined with the weight of that power lead moving around will cause the LED strip to fail.

**CUTTING YOUR LEDS-** While you shouldn't have to do so, if you need to cut your LED strip you can do so as long as you cut in the proper location – which is every three LEDs as shown in the below photo. Cutting incorrectly could damage your lights and is not covered by the warranty. If you cut the strip, be sure to use the included heat shrink tubing to seal the cut end. You can also use silicone found at your local hardware or RV store. If you do need to cut your LED strip, we strongly suggest doing so BEFORE you mount the strip.



**Cut Locations**

### Installation Locations

Below is a diagram of where we installed the 6 LED strips on this C8. Nothing says you have to do the same as long as the strips are installed on a smooth flat surface as indicated previously. The idea is to mount the LED strips in a way that only the glow from the LEDs can be seen; not the LED strips themselves. The power leads from each LED strip will need to be routed to wherever you mount the LED controller or switch. We mounted our controller next to the battery as we always prefer to mount the LED controller as close to the power source as we can. That way we do not have to run long runs of 12vdc power. 12vdc power drops quickly over short distances. All of the power leads from the LEDs come together as one and are extended up to the battery using 18awg feeder cable where it connects to the controller.



**Yellow Lines = 15.75" LED Strips**  
**Pink Lines = 12" LED Strips**

Obviously, the LED strips are mounted on the bottom of the braces where indicated so the light from the strips is directed toward the engine.