

Install C8 Engine Compartment Lights



The “Edge Red” Engine Cover I installed looks great but what about at night?

Not when driving but when “showing off” what everyone admiring the C8 asks for - “Let’s See The Engine!” Doesn’t happen often at night so don’t need to wire a light that will be used for a long time. A battery powered light is fine.

Sent PM’s to several Forum Members who posted their install of battery

powered lights to see how their install was doing after using for a while. One answered a key question I had; “How did the adhesive hold up? He responded fine. One feedback said the light could be brighter.

So searched LED lights on Amazon and found an interesting one that was waterproof and could float in a swimming pool. It was smaller in diameter BUT showed it was a brighter light. However, it was noted the batteries would last about ~2 hours versus the lower light output lasting ~6 hours. For my occasional use ~2 hours would be fine as the batteries were also easy to replace. At <\$15 worth a try!



Had several adhesive double-sided tapes including a Gorilla brand outdoor tape that was good for 225 degrees. Decided to check what the engine compartment temps after driving for >1/2 hour with the engine water temp at 185 F and engine oil 175 F. Temps in the areas shown with red circles were all between 100 to 105 F. Particularly where the lights would go it was 100 F. Might heat soak

somewhat hotter although after 2 hours checked and all temps were 90 to 95 F. All adhesives said they could handle 200 F continuous and up to ~300 F for short term exposure. Validates the poster comments of “no problem.”

Pic right is after the install! Looks great!



Photo Sequence

Bought these 2.7-inch diameter Creatrek LED Light Submersible LED Lights from Amazon for <\$15. Bought a package of 2 but they come in packages of 4 or more.

Each light comes with its own remote BUT all can be operated with one so the other is a spare.

They are IR controlled so you must have line of sight view.



Note, the top and bottom screw together. There is an "O" ring (red arrow) the seals the two halves and makes the "waterproof." Note it uses 3 AAA batteries. To replace just unscrew the top, with batteries, replace and screw back to the base held on the hatch with adhesive backed fasteners.



Turns out only need one remote because even operating from the passenger seat though the rear window, with the hatch closed, they both turn on and off with a one button push. Colors and functions like strobe and flash (*which changes colors automatically at about 1 second intervals*) also all operate by pressing one button on the remote.

Discovered one minor issue, the back that will mount on the hatch has a recess so the Gorilla Double Sided tape would not be thick enough!

Issue solved with my preferred attachment product used for mounting deer whistles etc. 3M Dual Lock tape! Dual Lock holds with much more grip than Velcro! It's essentially hundreds of plastic "mushrooms" on a base that when pressed together the "mushroom heads" interlock! Easy to attach and remove but grip force is higher than Velcro. It's also thicker so when two are placed together they are thicker than the gap in the light base.

Could have used two layers of double-sided tape.





Here are the two layers of the 3M Dual Lock attached to one side.

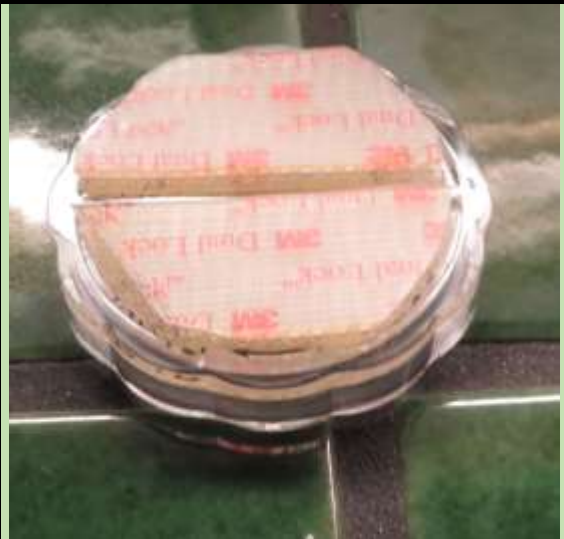
Note the top part still has the protective Plastic backing covering the adhesive.

It's removed when mounting.

The piece of Dual Lock already cut is above right. It will be attached on the other half of the base. Another similar size will be pressed into the "mushroom" side.

This is the base with two pieces of Dual Lock attached to the base and another two pieces pressed together with those on the base.

It's ready to have the plastic protective covering removed exposing the adhesive.



This pic, shows the base on the right that was attached to the hatch after cleaning with a grease, wax and oil remover solvent. Placed both halves, which are very light, on the hatch for ~10 hours so they adhered with minimum holding requirement.

Then screwed in the LED base with batteries like the one shown on the left in pic. Easy to do by unscrewing and removing to install new batteries when needed.

Here are the two tops after the finished install. The two 2.7-inch diameter look fine- are not too big.

The 3M Dual Lock holds tight so you can screw-in the LED/battery section with enough force to seal against the "O" ring.



This is the lights turned on in white light- plenty bright.

Pic was without flash in the dark.

This pic was also in the dark and taken without flash. Light is not as bright and handheld pic is a bit blurry.










“52” C8, 2017 Grand Sport & 2014 Z51 Stingray Mods, Info Available As PDFs:



52 PDFs discuss improvements or info about a C8, 2017 Grand Sport, 2014 Z51 Stingray function and/or esthetics. Some are minor and others, like the installing “Low Dust Brake Pads” on C8 & C7s, have detailed information.

Below are the PDF's available. Click on picture or Blue PDF link or copy and paste the PDF link (Blue type) into your browser. Or email me at GUtrachi@aol.com and state the title desired, shown in Yellow:

C8 Install High Wing <i>How To Remove Rear Bumper- Install Wing</i> http://netwelding.com/C8_High_Wing.pdf	
C8 FWD Hybrid <i>WFWD Hybrid Provides More Power & MPG</i> http://netwelding.com/C8_FWD_Hybrid.pdf	
Rusty GS/C7 Muffler <i>Why the C7 muffler rusts way to turn matte black.</i> http://netwelding.com/Muffler_Rust.pdf	
Change GS/C7 Oil <i>WHY change your own oil and C7 Lifting Methods</i> http://netwelding.com/Changing_Oil.pdf	
C7 Carbon Fiber Side Skirts <i>How to install C7 side skirts with jacking info</i> http://netwelding.com/Side_Skirts.pdf	
C7 Carbon Fiber Splitter w/End Plates <i>How to install Splitter & Nylon bra fit</i> http://netwelding.com/CF_Splitter.pdf	
C7 Removing GM Plastic Film <i>How To Remove The Rocker Panel Film</i> http://netwelding.com/Rocker_Panel_Film.pdf	

C8/GS/C7 Mirror Proximity Alarm

Limit switch alarm warns when close to door frame
http://netwelding.com/Mirror_Proximity_Alarm.pdf



Jacking Pads for C8/GS/C7

Manual says Jacking Pads 2 1/2 inch max OD..
http://netwelding.com/Jacking_pads.pdf



C8/GS/C7 Radar Power

For C7 tapped rear fuse panel. For GS tapped mirror
http://netwelding.com/Radar_Detector_Power.pdf



GS/C7 Belt Rattle

Passenger seat belt rattles against the seat back.
http://netwelding.com/Eliminate_Rattle.pdf



Aluminum C7 Chassis and Weld Repair

The C7 aluminum chassis. Includes weld repair info.
http://netwelding.com/Aluminum_Chassis.pdf



C8 Z51, GS/C7 Z51 Ceramic Brake Pads

Performance Vettes have dusty brakes. These US made pads help!
http://netwelding.com/Ceramic_Pads.pdf



C8/GS/C7 Z51 License Plate Frame;

Must Meet South Carolina Law
http://netwelding.com/License_Plate_Frame.pdf



Manage GS/C7 Spilled Gas & Door Lock

Protect when filling gas. Preventing door lock failure.
http://netwelding.com/Manage_Spilled_Gas.pdf



GS/C7 License Plate & Cargo Lights

LED license plate light & cargo area bulbs
http://netwelding.com/License_Plate_Light.pdf



GS/C7 Rear Cargo Area

Rear cargo area storage device and rear protector
http://netwelding.com/Rear_Cargo_Area.pdf



GS Rear Diffuser (Fits Any C7)

Rear Carbon Flash Composite Diffuser
http://netwelding.com/Rear_Diffuser.pdf



GS/C7 Door Panel Protector

Black plastic protector prevents scuffing of door
http://netwelding.com/Door_Panel_Protector.pdf



GS/C7 Improved Cup Holder

A solution to the cup holder spilling
http://netwelding.com/Improved_cup_Holder.pdf



C8/GS/C7 Wheel Chatter/Hop

Why sharp, low speed turns with cold tires causes the front tires to chatter/hop.
http://netwelding.com/Wheel_Chatter.pdf



C7 Carbon Fiber Grille Bar

Install genuine carbon fiber grille bar overlay

http://netwelding.com/CF_Grille_Bar.pdf



Jacking a C8/GS/C7 Vette

Safely jacking either front only or back & front

http://netwelding.com/Jacking_A_C7.pdf



Deer Whistle Installed on C8/GS/C7

Do they work? Plus Install Info

http://netwelding.com/Deer_Whistle.pdf



Replacing C7 Battery

Tricks for installing battery!

http://netwelding.com/Battery_Issues.pdf



GS/C7 Window Valet

Lower Windows With FOB Helps Latch Hatch

http://netwelding.com/Hatch_Latch.pdf



C8/GS/C7 Splash Guards

GM splash guards. ACS Best Front Guards for GS.

http://netwelding.com/Splash_Guard.pdf



GS/C7 Blind Spot Mirror

Smaller rear and side windows cause C7 blind spots.

Small "blind spot mirrors" help

http://netwelding.com/Blind_Spot.pdf



GS/C7 Skid Pad Protector

After the air dam, the aluminum "skid pad" hits

http://netwelding.com/Skid_Pad_Protector.pdf



C8/GS/C7 Wheel Locks

Wheel locks, help protect your expensive wheels.

http://netwelding.com/Wheel_Locks.pdf



GS/C7 OnStar Lights

Rear view mirror OnStar LED's, at a quick glance, look like a police car flashing light! This is a fix.

http://netwelding.com/OnStar_Lights.pdf



GS/C7 Skip Shift Eliminator

Skip Shift Eliminator install with suggestions on jacking a C7.

http://netwelding.com/Skip_shift_Eliminator.pdf



GS/C7 Catch Can & Clean Oil Separator

What is Coking and how to reduce the potential
http://netwelding.com/Catch_Can.pdf



GS MGW Flat Stick Shifter

The MGW shifter shortens throw and is more precise
http://netwelding.com/MGW_Shifter.pdf



GS/C7 Round Shift Knob

A round shift knob shortens throw on OEM shifter
http://netwelding.com/Shift_Knob.pdf



GS/C7 Stingray Sill Plate

Stingray sill plate replaces original.
http://netwelding.com/Sill_Plate.pdf



GS/C7 Nylon Bra

Nylon Bra Stops Bugs. Fits with Stage 3 Winglets
http://netwelding.com/Nylon_Bra.pdf



GS/C7 Clutch Fluid Change

Clutch fluid after 3000 miles gets dirty
http://netwelding.com/Clutch_Fluid.pdf



C7 Carbon Fiber Hood Vent

Replaces Plastic Hood Vent
http://netwelding.com/Hood_Vent.pdf



GS/C7 Cold Air Intake

Low Restriction Air Filter & Duct
http://netwelding.com/Cold_Air_Intake.pdf



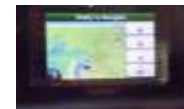
GS/C7 Soler Modified Throttle Body

For Improved Throttle Response
http://netwelding.com/Soler_Mod_TB.pdf



Garmin GPS for GS Cubby

Garmin Mounts in GS Cubby & Apple CARPLAY
http://netwelding.com/GPS_In_Cubby.pdf



GS Splitter Stage 3 Winglet

Stage 3 Winglets Integrate with Spats
http://netwelding.com/Stage_3_Winglets.pdf



GS 2LT to 2.5 LT

Red Upper Dash Pad Like 3LT
http://netwelding.com/Red_Dash_Pad.pdf



Jake Emblem/Decals for GS

Jake Symbols Support GS Racing Image
http://netwelding.com/Jake_Emblems.pdf



C8/GS Splitter Protector

Scrape Armor Protection for Splitter
http://netwelding.com/Splitter_Protectors.pdf



GS Engine Compartment Mods

Cosmetic Additions in Engine Compartment
http://netwelding.com/Engine_Compartment.pdf



GS Vitesse Throttle Controller: Fits All C7s

Adjustable Throttle-by-Wire Control
http://netwelding.com/Throttle_Control.pdf



Boomy Bass Solution

Use Presets to Adjust Bass etc Tone/Balance
http://netwelding.com/Boomy_Bass



GS/C7 Air Dam, Functions

Why Missing from Z51, Some GS & Z06
http://netwelding.com/Air_Dam.pdf



C8 Engine Compartment Lights

Multicolor Lights Remote operated
http://netwelding.com/Engine_Lights.pdf



C8 Edge Red Engine Cover

Engine Cover Matches Valve Covers
http://netwelding.com/Engine_Cover.pdf



Engineering a ProStreet Rod

How Our '34 ProStreet Rod Was Designed and Built
<http://netwelding.com/Engineering%20Street%20Rod%203-08.pdf>



Motorsports Welding Article

*Wrote a 5 Page Article for AWS March 2018 Journal
Covers NHRA and NASCAR Chassis Design*
http://netwelding.com/Motorsports_Welding_2018.pdf

