



# Installation Manual

Can-Am Spyder

Krista, Erica, Sevina LED Light Kit

Dimmable

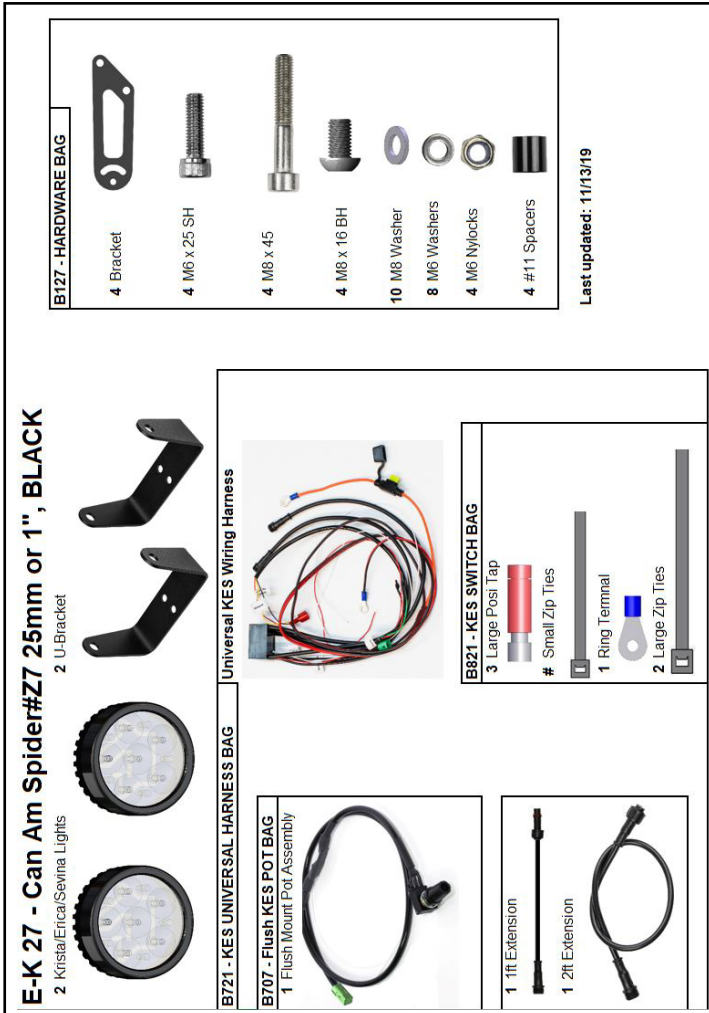
*Patent Pending*



## Step 1: Parts List and Bike Preparation

Please be sure to read our instructions thoroughly before attempting installation.

- Check Parts list below with your kit to be sure all parts are handy. If something is missing, please call us at (916) 852-7029.



*Please take the time to review the included instructions. Be sure to follow some of the suggestions to keep the installation safe and reliable. If you have any questions or comments, please feel free to contact us.*

*Thank you!*

# Step 1: Parts List & Bike Preparation

## Bike Preparation:

- First, park the vehicle on hard pavement or concrete to insure the vehicle will be stable during the installation.
- Follow the manufacturers guidelines for disconnecting the battery. This is important to prevent damage to the electrical system.

## Erica / Krista / Sevina Technical:

Erica / Krista / Sevina are high intensity LED auxiliary lights. Do not use these with on coming traffic present unless the dimmer is turned down . Krista / Erica / Sevina lights work great for off road use due to the powerful light output and specific beam pattern they boast. The wide circular pattern is very useful on mountain roads, as it keeps light on the road and in the tree canopy. As the bike leans, lights are still focused on the road.

Erica / Krista / Sevina can also be used in a “low” beam mode (5-55% of max) and a “high” beam mode(100% of max). The factory handlebar high beam switch is used to select the two different Erica / Krista / Sevina modes.

Krista light output is over 3000 lumens each light while only using 35 watts of power. Erica light output is over 6000 lumens each light while using about 60 watts of power. Sevina commands over 7000 lumens each light using about 70 watts of power. Erica / Krista / Sevina are easy to install and have many uses.

## Installation Tips:

While this is a general light installation manual for crash bar

[www.clearwaterlights.com](http://www.clearwaterlights.com)

**Note:** Vehicle needs to be running before the lights will function.

## Step 2: Mounting The Lights



### Mounting The Lights:

First, ensure your kit is complete. Mount bracket loosely with the supplied parts, loosely at first. Once the assembly is complete, snug the bolts on the clamp and adjust the alignment of your lights as desired.

Use the exploded assembly diagram below as a reference to ensure the assembly is done correctly, and is complete. Notice that this diagram is for the left side (rider's perspective). The right side is the same, just mirrored. Be sure to double-up the brackets (two each side).



## Step 3: Mounting The Volume Control Knob

### Mounting Flush Mount Volume Control Knob:

The volume control knob should be placed in an available area for the flush mount to be nearly and conveniently placed. We find the side compartment works very well. A small hole will need to be drilled to mount the knob. Follow the photos below for details.



Recommended location for the flush mount dimmer



Install dimmer such that wires follow this path as viewed from the underside of the panel.

- **Hint for High Vibration installations:** To keep the Volume Control Knob from rotating itself under high vibration, put a dab of silicone adhesive under the knob and let it dry. Then push the rubber knob back on. The friction of the glue under the knob will keep it in place.



## Step 4: Wiring

### Wire Routing: *(Please consult owners manual for wiring diagram and color codes)*

- Be sure to route wires so that they cannot become tangled or caught in either a suspension part or steering part. Check movement of both steering and suspension before riding.
- It is sometimes helpful to follow existing wire routing.

### Electrical:

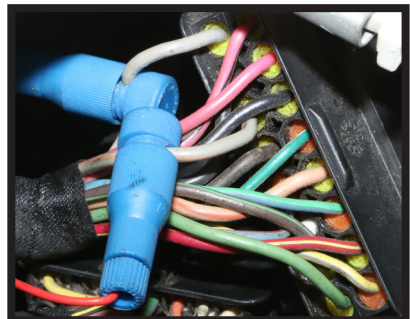
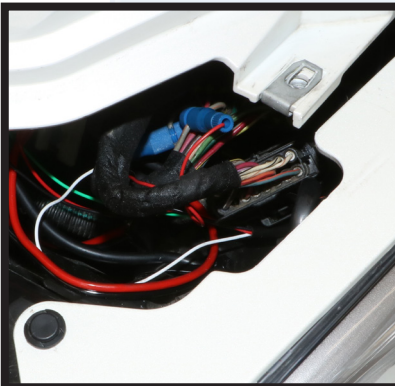
- (1) Mount the power relay box in a safe location. Secure with a zip tie. (It is a good idea to face the relay box with the wires coming out the bottom.)
- (2) Route all wiring so that there is no interference with moving parts.
- (3) Install the switch and dimmer in a convenient location as shown.
- (4) Switch - Crimp spade lugs to red, yellow and black wires from relay box. Attach to corresponding tabs on switch. (See wiring diagram on Pg. 6)
- (5) Using Posi-tap, attach red (*turn on wire*) to a switched 12v wire.
- (6) Install connectors as shown in the wiring diagram on page 6.
- (7) Run the Red and Black power wires directly to the battery. The fuse will protect the system in the event of a short.

### High Beam/Horn Feature:

Locate your bike's High Beam headlight hot (+) and Horn's hot (+) lead. This will make your lights go to full power when you turn on your high beam or horn. Use a Posi-tap to connect one of the white wires from the relay box to each of these wires. It does not matter which white wire you use; both trigger the same way. If you do not want to use these features, simply tuck the white wires away in a neat fashion. Reference the photo below for the location of the headlight and horn wires.

### Tap Reference (photo below):

Grey + Pink Stripe = Turn On Wire  
Solid Grey = High Beam



## Wiring Diagram for Krista/ Erica/ Sevina

**Note:** it does not matter which white wire you hook up to the horn or high beam. Both trigger the same way. If you do not want the high beam or horn option, just simply tuck the unused white wire(s) away.

**High Beam Option:** use a posi-tap to connect one of the white wires to the high beam hot.

**Horn Option:** use a posi-tap to connect the other white wire to the horn hot.

**Switch:** Connect the Yellow wire marked "Switch Load" to the "load" terminal (Middle terminal) on the switch. Connect the Red wire marked "12V+" to the "supply" terminal (Opposite side of the LED light terminal) on the switch. Connect the Black wire marked "Ground" to the "earth" terminal (Under the LED light terminal) on the switch.

**Turn On Wire:** use a posi-tap to connect to low beam or switched accessory hot. (Do not connect to low beam wire if you have H4 headlight Bikes)

**Posi-lock:** joins fuse to relay box

**Glenda/ Darla Option:** Darla wires coming from harness will be shorter than Krista/ Erica/ Sevina wires.

**Power:** Connect the red wire from the fuse to the hot (+) on the battery. Connect the black wire to ground (-).

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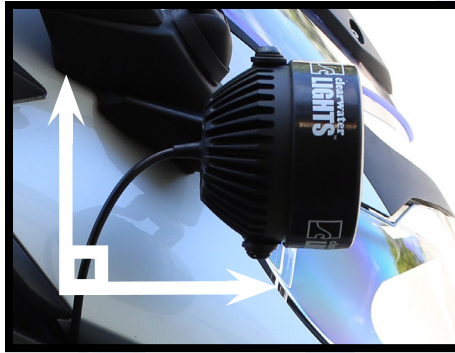
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## Step 5: Alignment / Drip Loop Instructions

### Aligning The Lights:

As Erica, Krista, and Sevina are designed as auxiliary lights, adjustment is up to the user depending on his or her needs. Ask an assistant to help you with this procedure. Make sure the bike is on level ground and have an assistant sit on the bike. Using a level, align the lights to be perpendicular to the ground. Another method would be to position a large square on the floor and slide it up to the light. The goal is to adjust the lights so that the light is level with the ground.

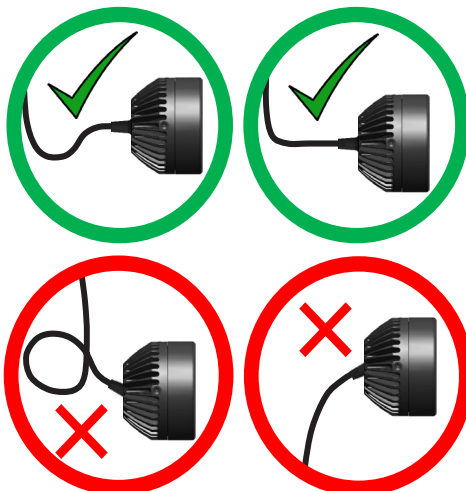
Passengers and luggage may alter the alignment of the light, so further adjustments may be needed. You may find that a slight downward angle (**5 degrees at most**) is helpful. Often times it is helpful to angle the right side light toward the right side of the road. This helps with identifying road terrain and potential critters.



### Do Not Kink The Grommet

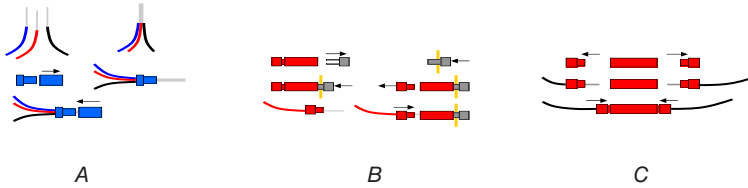
To maintain the integrity of the water sealing grommet, do not kink, deform or put pressure on the grommet when dressing the wires during install of Clearwater Lights.

### Do Not Kink The Grommet





## Posi-Products Installation Instructions:



### Posi-Twist (A):

1. Strip all wires to be inserted 3/4"
2. Twist all wires together clockwise before inserting into the Posi-twist.
3. Completely unscrew the top from the Posi-twist.
4. Feed the twisted wires through the bottom portion of the Posi-twist.
5. Attach the top and tighten, while ensuring the wires do not slip out of the bottom of the Posi-twist.

### Posi-Tap (B):

1. Unscrew the cap of the Posi-Tap (gray or large end).
2. Slide the wire you wish to tap into through the slot in the cap.
3. Re-attach the body of the Posi-Tap and tighten.
4. Attach the other wire to the bottom using the same method as a Posi-Twist.

### Posi-Lock (C):

1. Remove both ends from the Posi-lock.
2. Strip wire 1/2" and insert into bottom portion of the Posi-lock.
3. Hand tighten the Posi-lock onto bottom portion with wire, repeat for other side.



Enjoy!

Notes:

**Notes:**

Thank you for purchasing your **Clearwater Lights**. We hope this product will help make you a safer rider. Please feel free to send us comments or suggestions at any time. We learn from you. Visit our website for more exciting products to help you see better at night.

Ride safe!

Sincerely,

*Glenn and the team at Clearwater.*



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