



clearwater
LIGHTS™



Installation Manual

BMW F750 & F850

Krista, Erica, Sevina LED Light Kit

Dimmable

Patent Pending







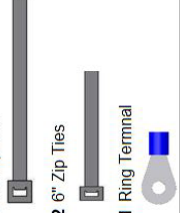

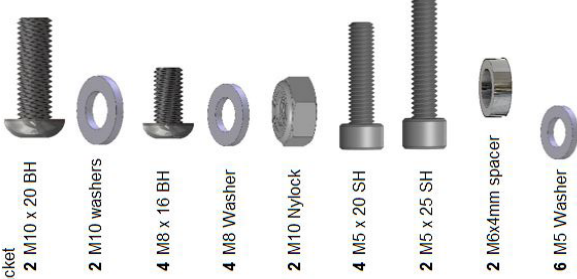

Made in USA

Parts List - Beak Mount

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.

E-K 36 Beak Mount Kit for F750 GS and F850 GS Only (NO GSA)

<p>B713 - CAN3 BAG 1 5' Long Data Cable</p>  <p>1 CAN-Opener</p> 	<p>B300 2 Mod Bracket</p> 	<p>B724 - KES CANopener HARNESS BAG KES CAN Harness</p> 	<p>B805 - KES CONNECTION BAG 2 12" Zip Ties 12 6" Zip Ties 1 Ring Terminal</p> 
<p>B136 - HARDWARE BAG 1 F750GS / F850GS Right Bracket</p>  <p>2 M10 x 20 BH 2 M10 washers 4 M8 x 16 BH 4 M8 Washer 2 M10 Nylock 4 M5 x 20 SH 2 M5 x 25 SH 2 M6x4mm spacer 6 M5 Washer</p>  <p>1 F750GS / F850GS Left Bra</p> 			

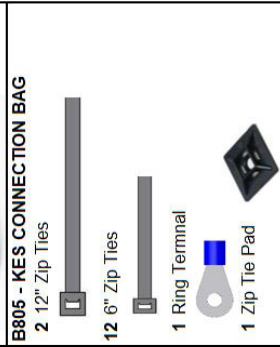
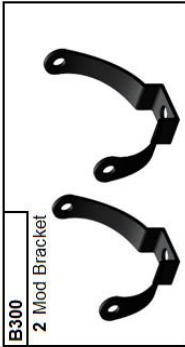
Last updated: 2/17/21

Parts List - Crash Bar Mount

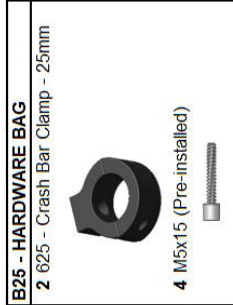
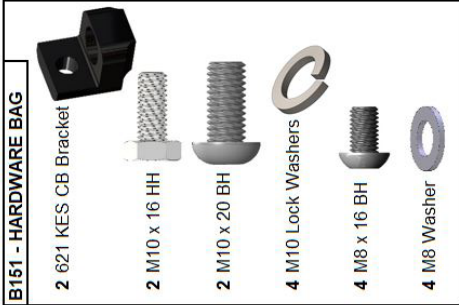
Please be sure to read our instructions thoroughly before attempting installation.

- 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.

E-K 135 Crashbar Mount for F750GS/GSA and F850GS/GSA (If bike has crash



Last updated: 2/16/21



Bike Preparation and General Info

Bike Preparation:

- First, park the motorcycle on hard pavement or concrete to insure the bike will be stable during the installation. If you can mount the bike on a stand with tie-down straps, this will help secure the motorcycle.
- 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 very bright LED auxiliary lights. Do not use these with oncoming traffic present unless the dimmer is turned down all the way. Krista / Erica / Sevina are designed as off road only light's due to the powerful light output and specific beam pattern they boast. The wide circular pattern is very useful on mountain roads when on a motorcycle, as it keeps light on the road and in the tree canopy. As the bike leans, lights are still focused on the road. Be certain to use the lights in a manner that does not blind oncoming traffic.

Erica / Krista / Sevina can also be used in a "low" beam mode and a "high" beam mode. The factory handlebar high beam switch is used to select the two different Erica / Krista / Sevina modes.

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

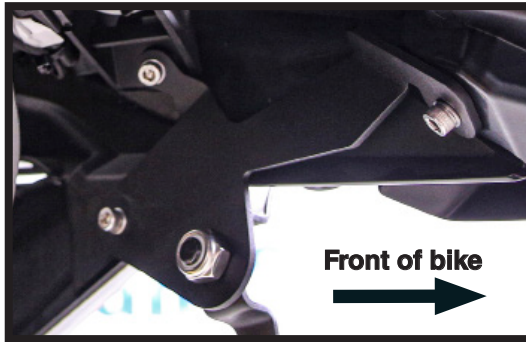
Installation Tips:

There are two main parts to the installation of your new Clearwater Lights. The mechanical portion, and the electrical portion. With this manual, we will go over the basics of both which should allow you to get your lights up and running. If you purchased a bracket made specifically for your bike, refer to our manuals online for that specific installation at:

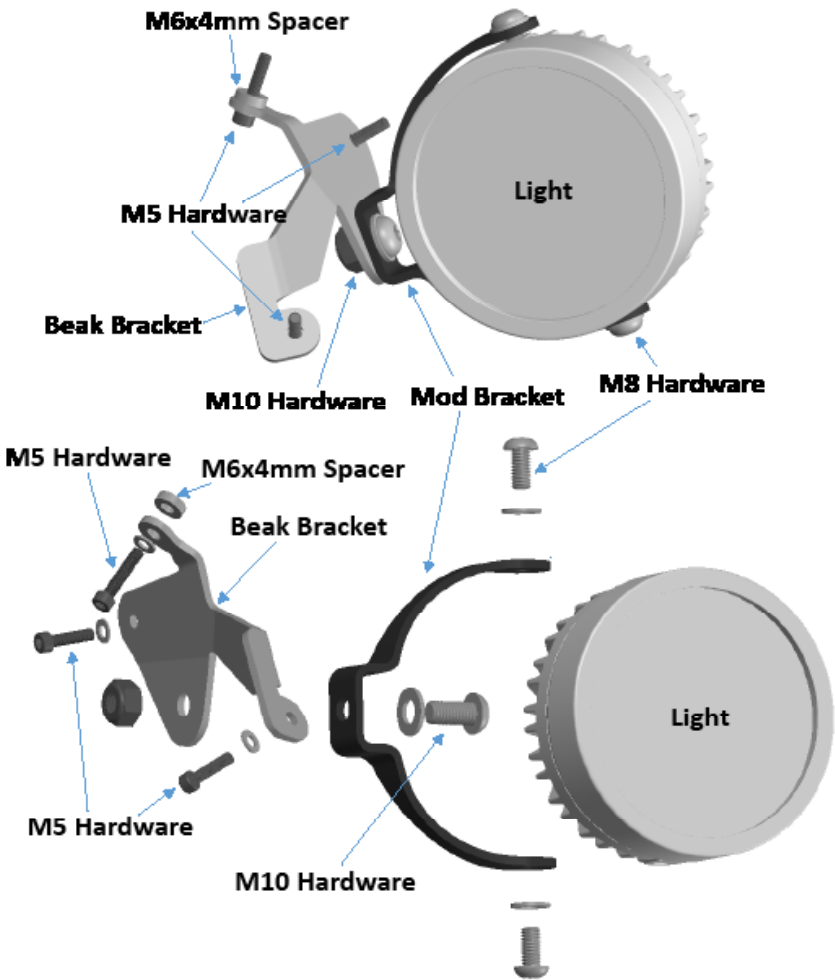
www.clearwaterlights.com

Note: Motorcycle needs to be turned on before the lights will function.

Mounting The Lights - Beak Mount



Assembly of Bike's Left Side Beak Bracket

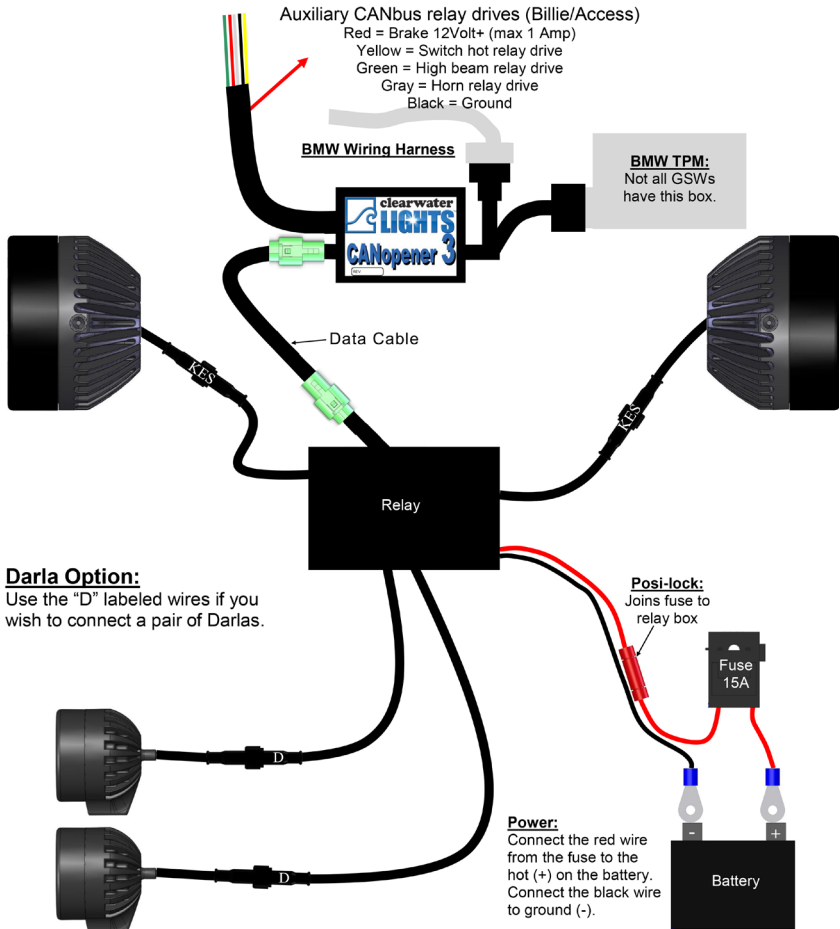


Mounting The Lights - Crash Bar Mount



Wiring - Wire Harness Diagram

Wiring Diagram for Krista/ Erica/ Sevina



Disassembly & Mounting CANopener + Harness

1. Park the motorcycle on hard, flat pavement or concrete to ensure the bike will be stable during installation. Utilize a center stand if possible.



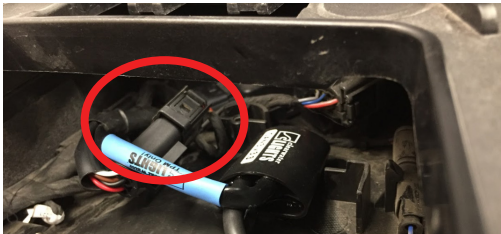
2. Follow the manufacturer's guidelines for removing the seat, and disconnecting the negative terminal on the battery. Remove the center gas tank cover (NOT THE GAS TANK) and the top and rear bolts of the left side fairing so it can be pulled slightly away from the tank for routing wires.



3. Mount the harness (circled in blue) in front of the gas tank and above the triple clamp to the existing factory wiring. Use a zip tie to fasten in place.



4. Connect the CANopener to the Tire Pressure Monitor (TPM), located under the REAR SEAT. TPM is circled in red and plug the bikes' TPM connector back into the CANopener.



Wire Routing

5. Wires from the harness should be routed along the left side of the bike, so that the ends are just in front of the battery. The battery wires can be shortened so that the wires lay neatly to the battery terminals. However, do not connect the battery yet.



6. Connect the data cable to the harness and route it and the power wires along the gas tank by slightly pulling the side panel away from the tank. Reference red lines drawn for route. The power wires should naturally lay beyond the side panel and into the front cavity, just in front of the gas tank.



7. Plug in the data cable to the CANopener (located under the rear set). Attach the fuse and fuse holder to the positive power wire. Reference the wiring diagram on page 6 for an overview. Make sure all wiring is out of the way of pinch points of suspension and steering.

Mounting the Lights

8. Follow the exploded diagrams for mounting the brackets.



9. Fasten your Clearwater Lights to the mod bracket, connect the light wires to the harness. Use zip ties to neatly route the wires away from all moving parts and possible pinch points around the front end. Make sure the wires coming out of the Clearwater Light are not being pulled, but are relaxed. Red line showing path of light wires under beak.



10. Align and level the lights, on flat ground, with a rider on the bike. Reassemble the tank body work, and side panel fasteners. Connect the battery wires to the terminals, fit the seat back onto the bike. Ensure the bike starts and that the lights operate as expected. Congratulations! You have completed the installation of your Clearwater Lights!



Alignment / Grommet Precaution

Aligning The Lights:

As Erica, Krista, and Sevina are designed as auxiliary lights, adjustment is up to the user depending on his 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. With a right angle board or object, position the board 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.

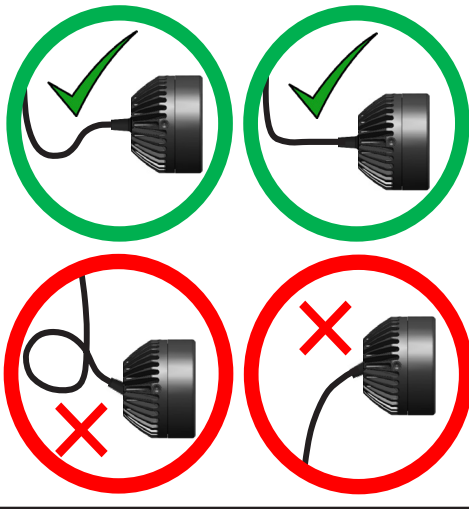
Passengers and luggage may alter the alignment of the light, so further adjustments may be needed. You may find that a slight downward angle (**5 degrees**) is helpful. Often times it is helpful to angle the right side light toward the right side of the road. This helps with identifying road terrain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



Do Not Kink The Grommet

To maintain the integrity of the water sealling 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



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.



The Clearwater Company - 11305 Sunrise Gold Circle, Suite D
Rancho Cordova, CA 95742

Phone: (916) 852-7029 | Fax: (916) 852-9410 | www.clearwaterlights.com

Revised 2/17/21