



clearwater
LIGHTS™



Installation Manual

Universal Kit

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.

K-E-S-1 – Universal Krista/ERICA/Sevina

2 Krista/ERICA/Sevina Lights

2 Mod Bracket



B721 - KES UNIVERSAL HARNESS BAG

1 KES Wiring Harness

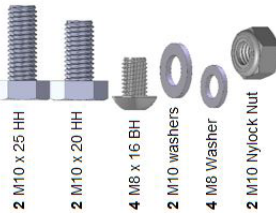


B709 - KES POT BAG:

1 Pot Assembly

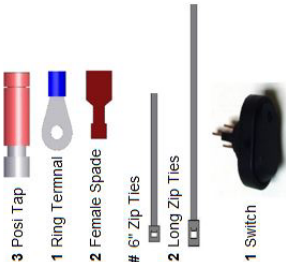


B101 - HARDWARE BAG



2 M10 x 25 HH
2 M10 x 20 HH
4 M8 x 16 BH
2 M10 washers
4 M8 Washer
2 M10 Nylock Nut

B821 - KES CONNECTION BAG



3 Posi Tap
1 Ring Terminal
2 Female Spade
6" Zip Ties
2 Long Zip Ties
1 Switch

Last updated: 11/25/19

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 motorcycle on hard pavement or concrete to insure the bike will be stable during the installation. Put the motorcycle on a centerstand 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 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

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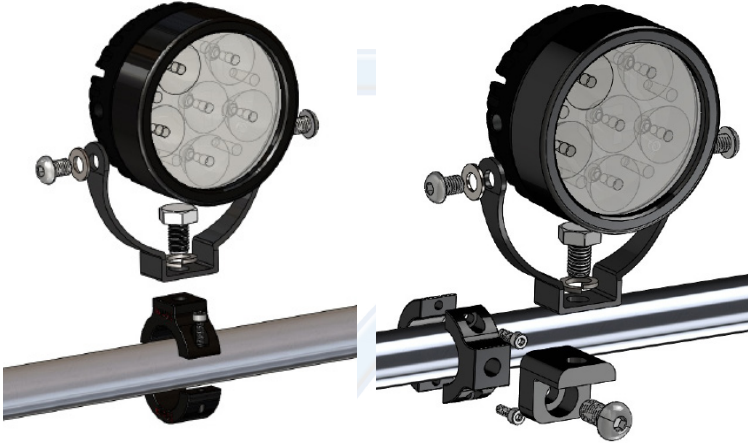
Note: Motorcycle needs to be running before the lights will function.

Step 2: Mounting The Lights / Crash Bar Mount

Mounting The Lights: (Crash Bar)

Mounting the Lights to the Crash Bar is very simple. Mount bracket loosely with the supplied parts. Locate where you would like the light to be pointing and the orientation of either on top or hanging below the bar. Snug the bolts on the clamp and adjust the alignment of your lights as desired.

The lights can be mounted to crash bars with an intermediate L-shaped bracket, or without. See the diagrams below



Crash Bar mount without L-bracket

Crash Bar mount with L-bracket



Step 3: Mounting The Volume Control Knob

There are three ways to mount the volume control knob: 1) attaching it to the handlebars with the provided M5x30mm screw and #7 spacer (*most BMW's*), 2) drilling a hole in the fairing, or 3) mounting to a handlebar clamp.

Mounting Volume Control Knob Bracket:

(M5x30mm Screw Mount)

- Mount the volume control knob to handlebar by using supplied bracket, spacer and bolt.
- Try to route wires from lights and volume control knob along pre-existing wires. Make connections in a waterproof area.



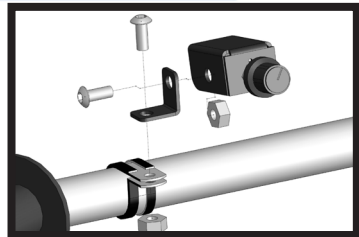
Mounting Volume Control Knob Bracket: *(Fairing Mount)*

- Mount the volume control knob in fairing by drilling a 5/16" hole and mounting control with attachment nut.
- Check for minimum 2" clearance behind panel to allow for circuit board and wire.
- Double check the fit of parts before drilling your panel. Measure twice, drill once.
- Tighten nut (be sure not to over tighten and install rubber knob over volume control knob with press fit).

Mounting Volume Control Knob Bracket:

(Handle Bar Clamp)

- Mount the volume control knob to handlebar by using supplied bracket, bolt and clamp.



- **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 the bike.
- 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 the two Black connectors for the lights to a convenient location where they will not interfere with steering or any other moving parts.
- (3) Install the switch in a convenient location.
- (4) Switch - Crimp spade lugs to red, yellow and black wires from relay box. Attach to corresponding tabs on switch. (*See wiring diagram*)
- (5) Using Posi-tap, attach red (*turn on wire*) to a switched 12v wire. Be sure not to use a Low beam headlight wire on H4 headlight bikes or else the lights will shut off when the high beam is activated.
- (6) Install connectors as shown in the wiring diagram on page 8.
- (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 Feature:

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

Horn Feature:

Locate the Horn's hot (+) lead. This will make your lights flash to full when you sound your horn. Use a Posi-tap to connect one of the white wires from the relay box to this wire. It does not matter which white wire you use; both trigger the same way. If you do not want to use this feature, simply tuck the white wire away in a neat fashion.

Step 4: Wiring

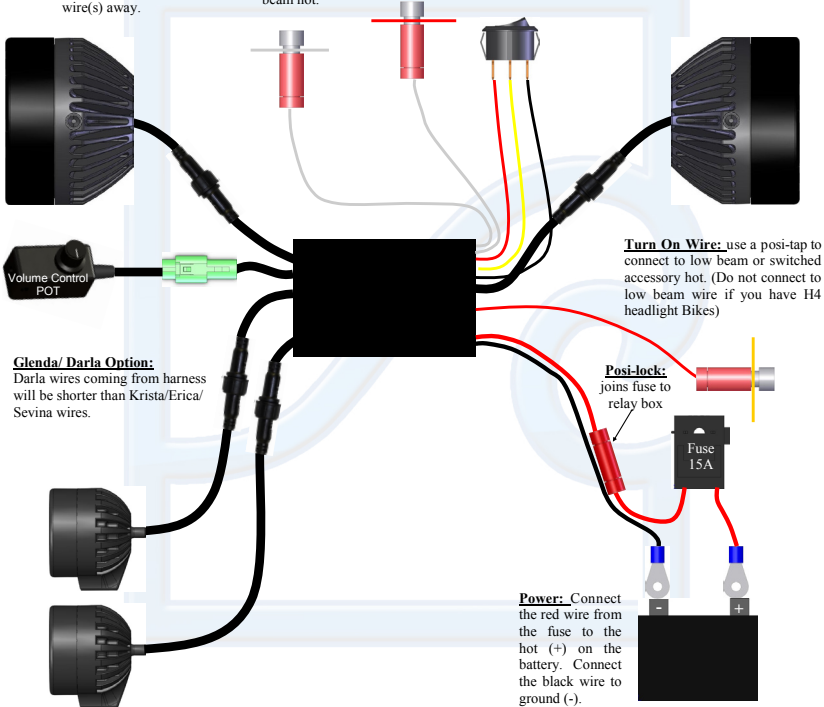
Wiring Diagram for Krista/ Erica/ Sevina

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 switch" 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.

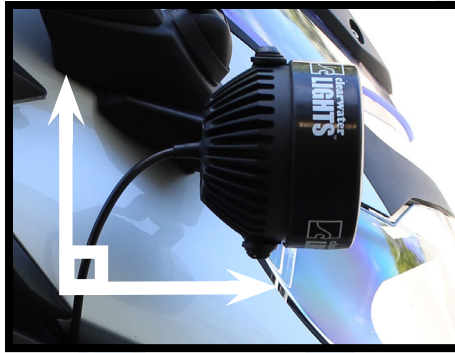


Step 5: Alignment / Drip Loop Instructions

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.

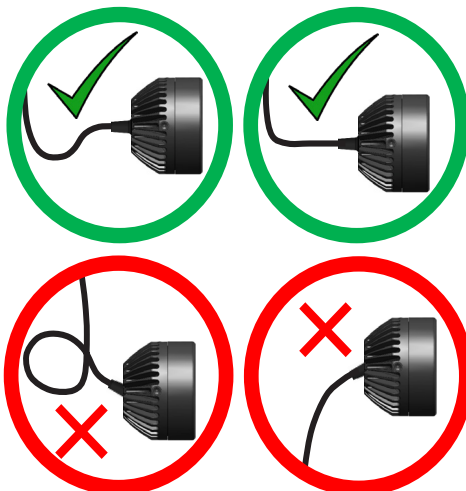
Passengers and luggage may alter the alignment of the light, so further adjustments may be needed. You may find that a slight downward angle (**5 degrees at most**) is helpful. Often times it is helpful to angle the right side light toward the right side of the road. This helps with identifying road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



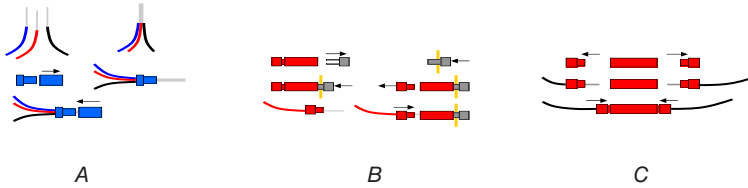
Do Not Kink The Grommet

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.

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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