

The logo features a blue square frame containing a stylized blue wave that flows from the bottom left towards the top right.

clearwater LIGHTS™



Installation Manual

Honda CRF1100 Africa Twin (2020+)

Krista, Erica, Sevina LED Light Kit

Dimmable

Patent Pending



Made in USA

Clearwater Lights Parts List

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 email us at sales@clearwaterlights.com.
- Our Krista, Erica and Sevina kits can be ordered specifying various crash bar diameters as they mount via crash bars/engine guards. Please be sure to measure your crash bar diameter to ensure the correct fit.







2 Krista/Erica/Sevina Lights



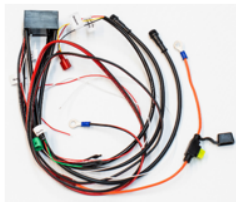
2 Mod Bracket



B151 - HARDWARE BAG

- 2 621 KES CB Bracket 
- 2 M10 x 16 HH 
- 2 M10 x 20 BH 
- 4 M10 Lock Washers 
- 4 M8 x 16 BH 
- 4 M8 Washer 

B721 - KES UNIVERSAL HARNESS BAG



BXXX - Africa Twin Connection Bag





- 1 24" White 22GA Wire
- 3 Posi-Lock 
- 1 Posi-Tap 
- 1 Pan America Switch 

B709 - POT HARDWARE BAG



- 1 M6 x 10 BH 
- 1 M6 x 30 SH 
- 1 L Bracket 
- 1 M6 Flat Washer 
- 1 Spacer #20 
- 1 Plastic Plug 




B805 - Zip Tie Kit

- 2 Large Zip Ties 
- 6 Small Zip Ties 
- 1 Ring Terminal 
- 1 Zip Tie Pad 

B25 - HARDWARE BAG

- 2 625 - Crash Bar Clamp - 25mm 
- 4 M5x15 (Pre-installed) 

B705 - HORN RELAY BAG

- 1 Relay 
- 1 Posi lock 
- 1 Posi-Tap 

About Our Lights, General Tips

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 lights 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:

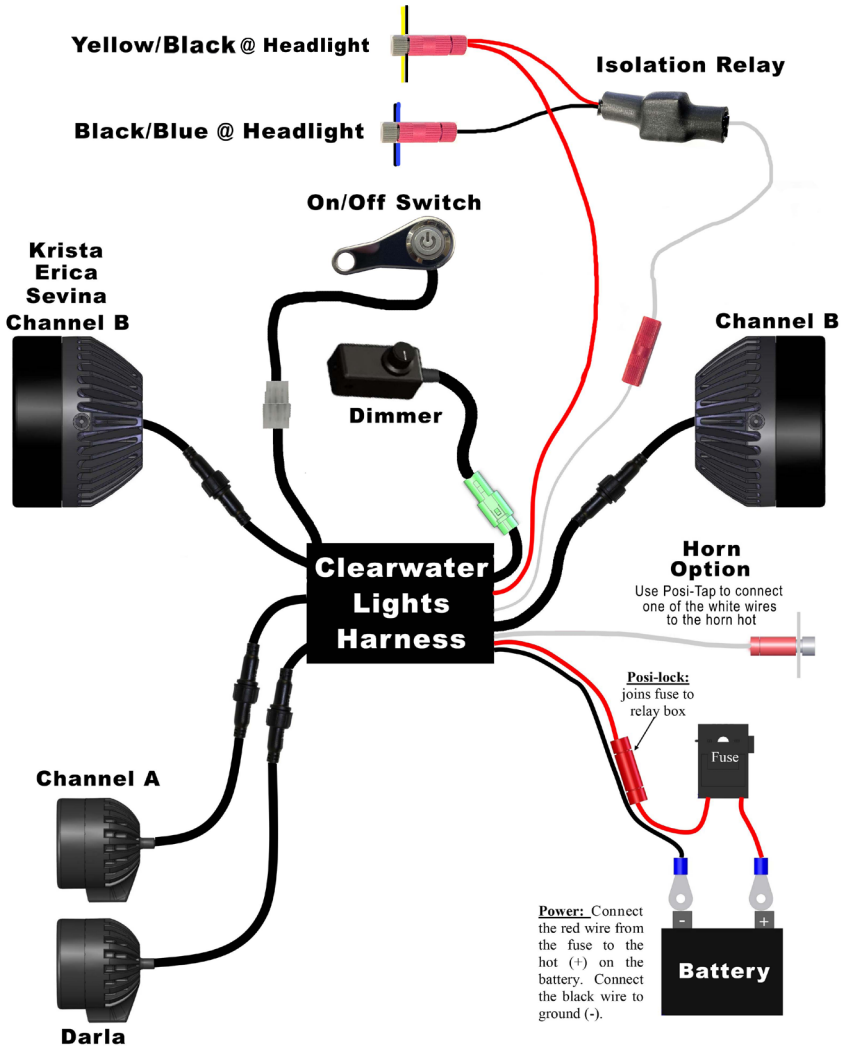
www.clearwaterlights.com

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

Installation Overview

Please take a moment to review this wiring diagram before you start installation. Ensure you have all of the components and choose whether to use the Clearwater Lights switch or the OEM Harley AUX Light switch (available on some Harley models).

This is a good overall reference for our system. If you have questions, email us at sales@clearwaterlights.com.

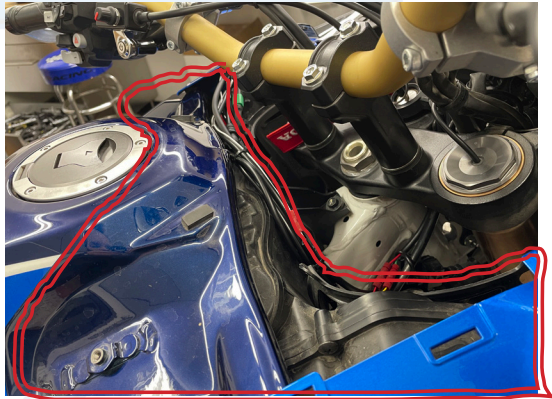


Bike Preparation and Disassembly

1. First, ensure the the motorcycle is parked on hard, flat pavement or concrete so that the bike will be stable during installation. Utilize a center stand if possible.



2. Remove the seats, top tank cover, left side badge cover, and battery cover.



3. Follow the manufacturer's guidelines to safely disconnect the battery.



IMPORTANT: Be sure to route wires so that they cannot become tangled or caught in either the suspension or the steering assembly. Verify there is enough slack in the wires to move both steering and suspension to full lock and compression before finishing the installation. It is sometimes helpful to follow existing wire routing.

Wiring - Installing the Harness

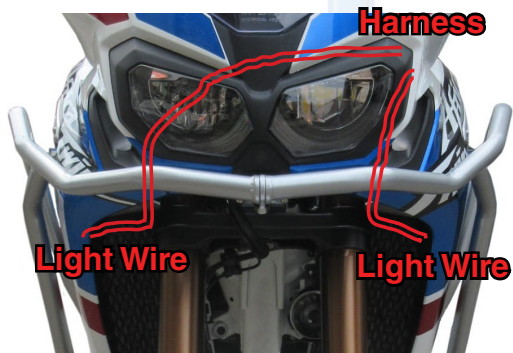
4. The Clearwater Lights harness should be installed and fastened towards the front of the bike under the front-left badge cover/faring. This area can be accessed with the top tank cover removed. Secure the harness with zip ties.



5. The power wires from the Clearwater Lights Harness need to be routed to the battery. Follow the factory wire loom and zip tie the power wires to secure them in place along the way.



6. Route the black light wires (from the harness) to a convenient location where they will not interfere with the steering or suspension, avoid pinch points. They should end up in a place such that the lights can be easily connected.



Switched Hot, High Beam & Horn Functions

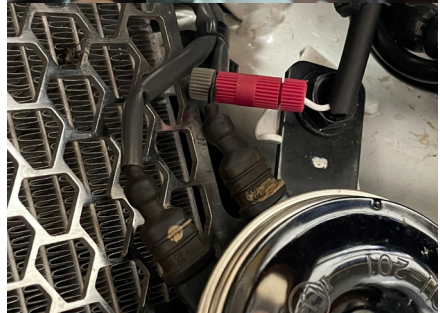
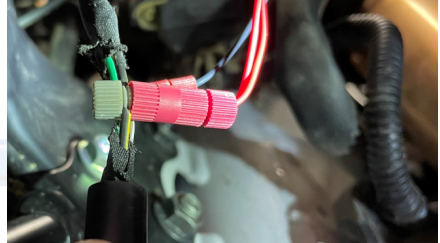
7. Disconnect the headlight connector from the bike. Feed a wire pull tool through the front access hole to the side panel where the harness is located.

Pull the thin red wire from the harness and thin red and thin black from isolation relay to the front of the bike through the front access hole.

8. Connect the Isolation Relay to the harness (white to white), the red wire from the isolation relay and the red from the harness taps to the Yellow/Black of the headlight connector. The black wire from the isolation relay taps to the black/blue of the headlight connector.

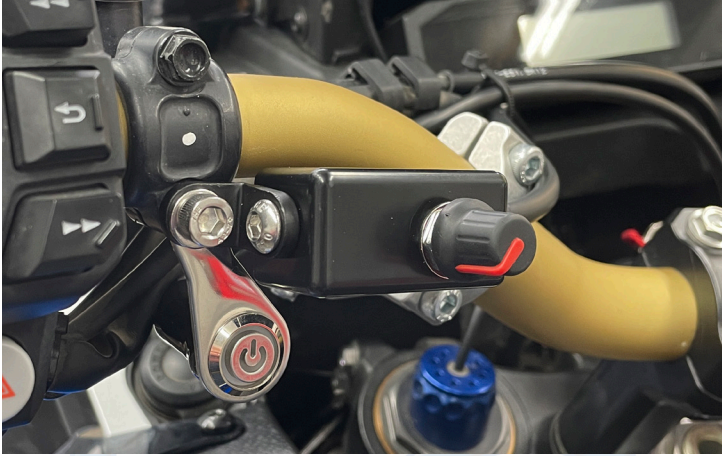
Reference the wiring diagram.

9. Locate the horn and use a Posi-Tap to connect the other white wire (from Clearwater Lights harness) to the horn's hot lead. A wire extension may be required.



Mounting the Dimmer and Switch

10. The dimmer and switch can be mounted to the handlebars as shown below. Use the provided M6 x 30 SH bolt to replace the existing factory OEM bolt.



11. Connect the dimmer to the harness (green connectors). Route the wire such that it will not get caught in pinch points and that there is enough slack in the wire for full wheel travel.

Use Posi-Locks to install the switch. Red to red, black to black and green (switch) to yellow (harness).



Mounting the Lights



12. Reference these exploded diagrams for mounting and assembly of your Clearwater Lights. The diagram above is for Krista, Erica and Sevina (KES). The diagram below is for the Darla. A dab of loctite is a good idea.



13. Connect the lights to the harness. Connect harness power wires to the battery (the red power wire uses the included fuse/fuse holder). Start the bike and test your Clearwater Lights functionality to ensure the switch, dimmer, highbeam and horn features function as expected.

Once you confirm that all functions work, reassemble your bike. Make sure not to pinch any electrical wires.

Alignment / Grommet Precaution

Aligning The Lights:

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 level or right angle board/object, position the board on the floor and slide it up to the light. The goal is to ensure the lights are 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 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.





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.



clearwater
LIGHTSTM

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