



Installation Manual

Honda Rebel 1100 (2021+)

Darla LED Light Kit

Dimmable

Patent Pending



Made in USA

About the Lights

Darla Clearwater Lights



Three LEDs (ea)

Fully Dimmable

2,400 Lumens (ea)

Optic: Driving Beam

High Beam + Horn Features

Power: 24W/2A (ea)

Size: 2.2" Dia.

Weight: 7 ounces (ea)

Don't be fooled by the small package, Darlas pack a punch and are our most versatile light. Darlas are designed for maximum conspicuity, making you more visible to other drivers and illuminating your path at night. Over a hundred mounting options available! Our Driving Beam projects 75% of the light down the road in a 15 degree beam and 25% in a 45 degree beam.

See And Be Seen

Ride Strong

Clearwater Lights

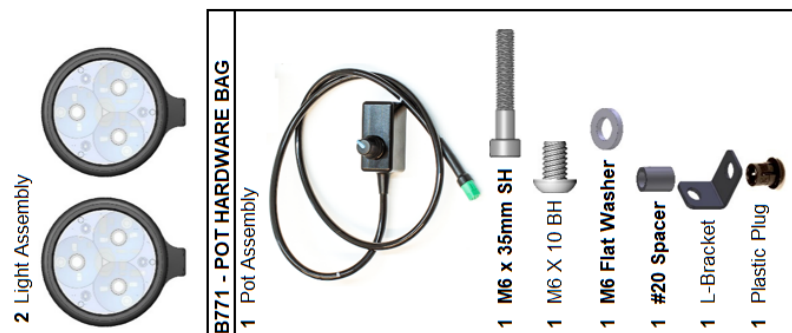
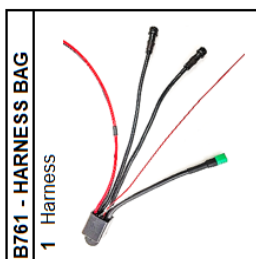
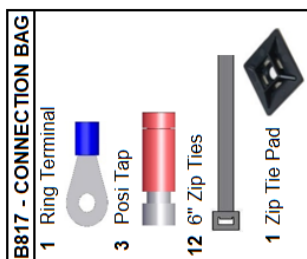
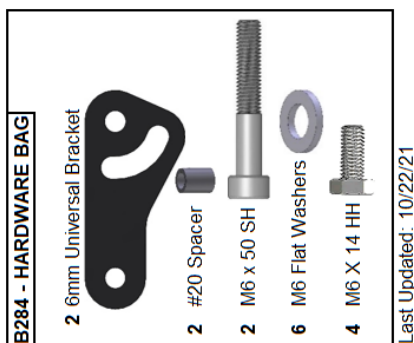
Clearwater lights include a simple and high quality means of connecting to the motorcycle's electrical system. "Posi" devices made by Posi-Products are used to securely and safely make electrical connections on the bike. You can view instructions on the proper installation of the Posi-Products on the manuals page of our website or on Posi-Product's web site at <http://www.posi-lock.com>. They simply screw together and mate the wires.



Parts List and Bike Preparation

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

- Check Parts list supplied with your kit to be sure all parts are handy.
- First, park the motorcycle on hard pavement or concrete to ensure 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.



Mounting The Lights

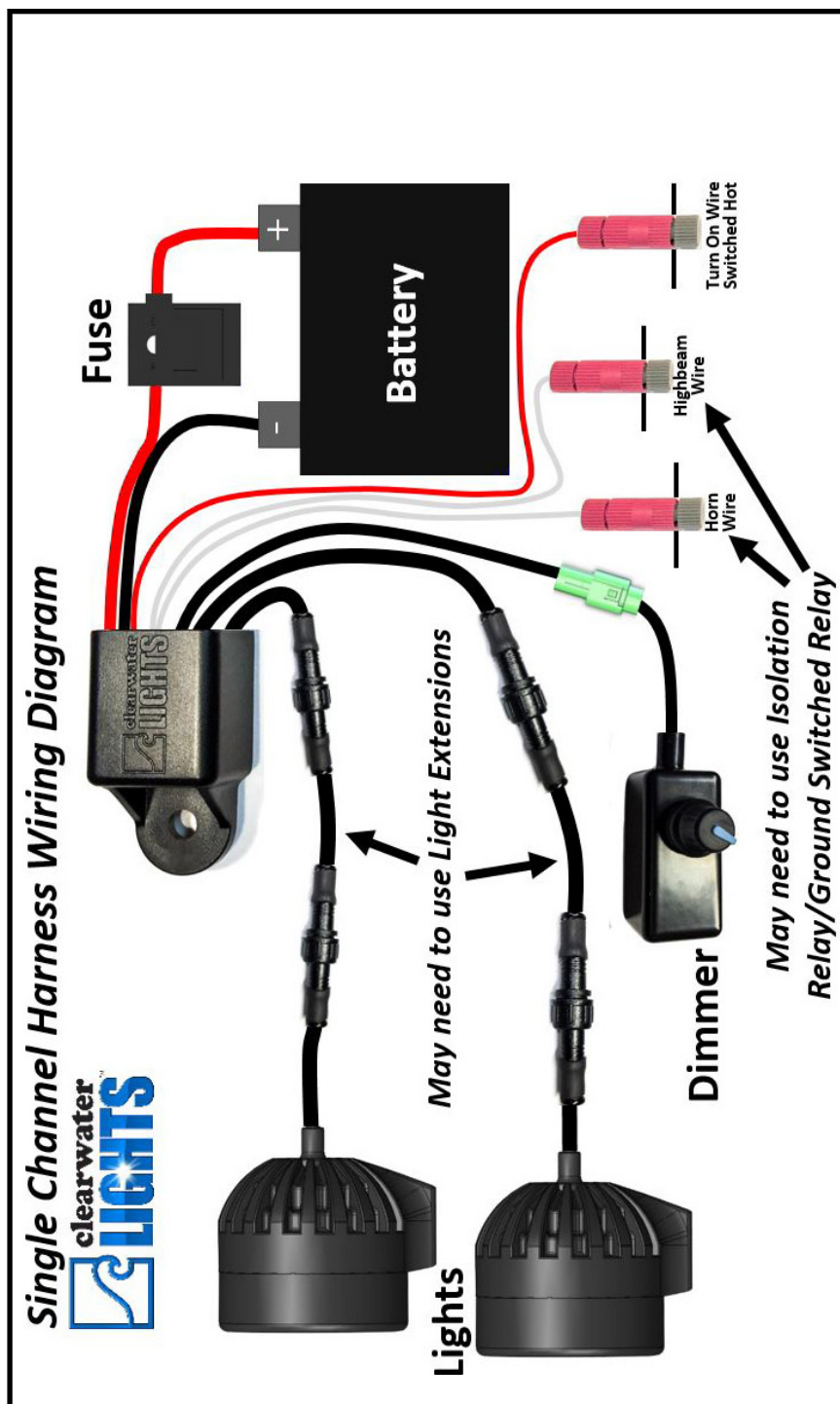
Fender Mount

Pre-assemble the lights, mounting bracket M6 bolt, washer and spacer as shown below. Make sure to assemble one side at a time.

Gently screw all bolts in hand tight. Inspect the bolt length and spacer alignment before tightening the bolts.

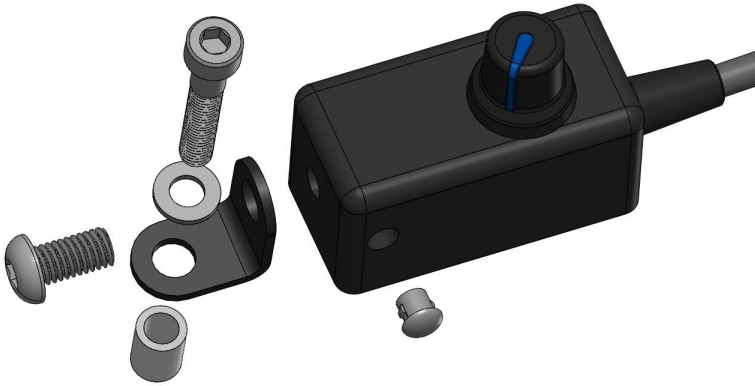


Wiring Diagram/System Overview



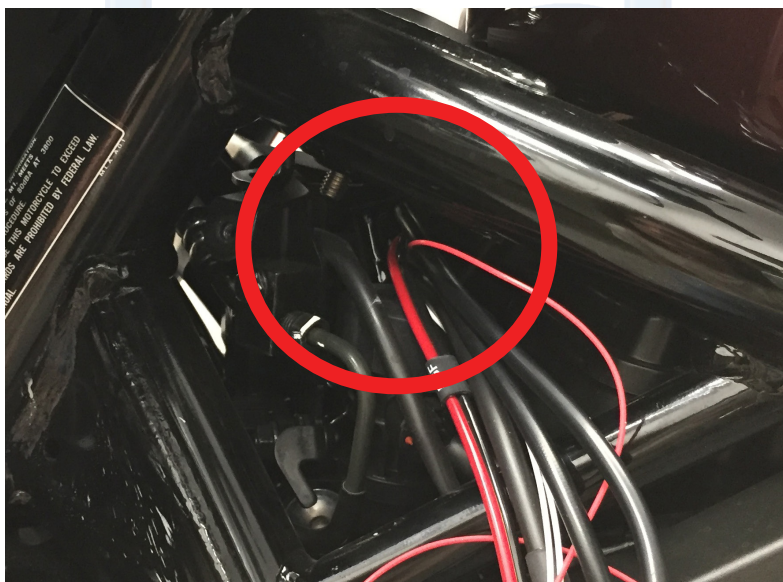
Mounting The Volume Control Knob

We recommend the dimmer be mounted to the handlebar assembly (either on the left or right side) utilizing one of the existing fasteners. We have included the proper bolt to replace the OEM since a longer one will be required. Secure the wire from the dimmer along existing wires to the harness. The green connectors from the dimmer and harness mate together.



Mounting the Harness

The harness should be mounted in a secure location close to the front of the bike, within the frame and behind the fork tube as shown in the photo below. Use the provided zip tie pad, zip ties to mount the harness. Make sure all wires are away from direct heat and out of the way of pinch points and steering/suspension assemblies.



Once the harness is secured in place, route the THICK RED/BLACK power wires toward the battery. Be sure to route all wires so that they cannot become tangled or caught in either a suspension or steering part. Use the provided zip ties to secure them in place. Again, check the movement of steering and suspension before riding. It may be helpful to follow the existing factory wire routing.

Wiring the Harness

First, please use the Wiring Diagram provided on Page 4 as a reference. Make sure the dimmer is connected to the harness (GREEN connectors).

Switched Hot Wire: The THIN RED wire from the Clearwater Lights harness needs to be connected to a 12V switched hot source on the bike using one of the Posi-Taps. We recommend using a Posi-Tap to connect the thin RED wire from the Clearwater Lights harness to the YELLOW wire of the headlight connector on the bike. This will allow the Clearwater Lights to turn on/off with the key or when the bike starts. The lights are NOT powered from this trigger wire. The Clearwater Lights are powered directly from the battery.

High Beam Feature: Use one of the provided Posi-Taps to connect one of the THIN WHITE wires from the Clearwater Lights harness to the high beam headlight hot lead, the BLUE wire of the headlight connector. This will allow the Clearwater Lights to go to 100% when the high beam is activated.

Horn Feature: Use one of the provided Posi-Taps to connect one of the THIN WHITE wires from the harness to the horn hot lead (+) on the bike. This feature sends a signal to the harness to turn the Clearwater Lights to 100% when the horn is pressed.

Power Wires: Connect the fuse/fuse-holder to the red wire from the wiring harness to the positive terminal of the battery, then black wire from the harness to the negative terminal of the battery.

Light Wires: Connect the lights to the harness. Light extension wires may be required depending upon the distance of the lights to the harness.

TEST: With the bike running, the lights should be dimmable via Clearwater Lights Dimmer. Test the high beam and horn features (if enabled) and the lights should go to 100%. If all checks, congratulations, you are finished!



Alignment & Tips

How to Align the Lights

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. Press a level against the face of the light, and adjust its angle.

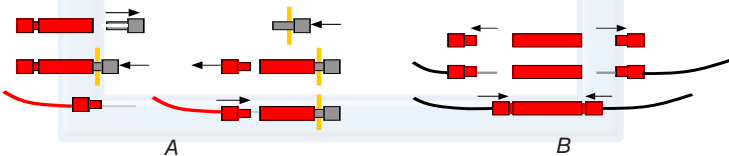
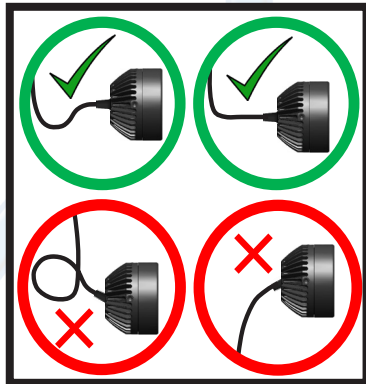
The goal is to adjust the lights so that the light is level with the ground.

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.



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.



Posi-Tap (A):

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 (B):

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.





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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