clearwater LIGHTS ™

Installation Manual
BMW R18
Krista, Erica, Sevina LED Light Kit
Dimmable

Patent Pending

Made in USA

Parts List and Bike Preparation

• Check the parts list supplied with your kit to be sure all parts are handy.

• 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.

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

B71 - BRACKET BAG

- 2 671 Crash Bar Clamp - 1.5"
- 4 M5x18 (Pre-installed)

Last updated: 1/26/22

B300

- 2 Mod Bracket

B724 - KES CANopener HARNESS BAG

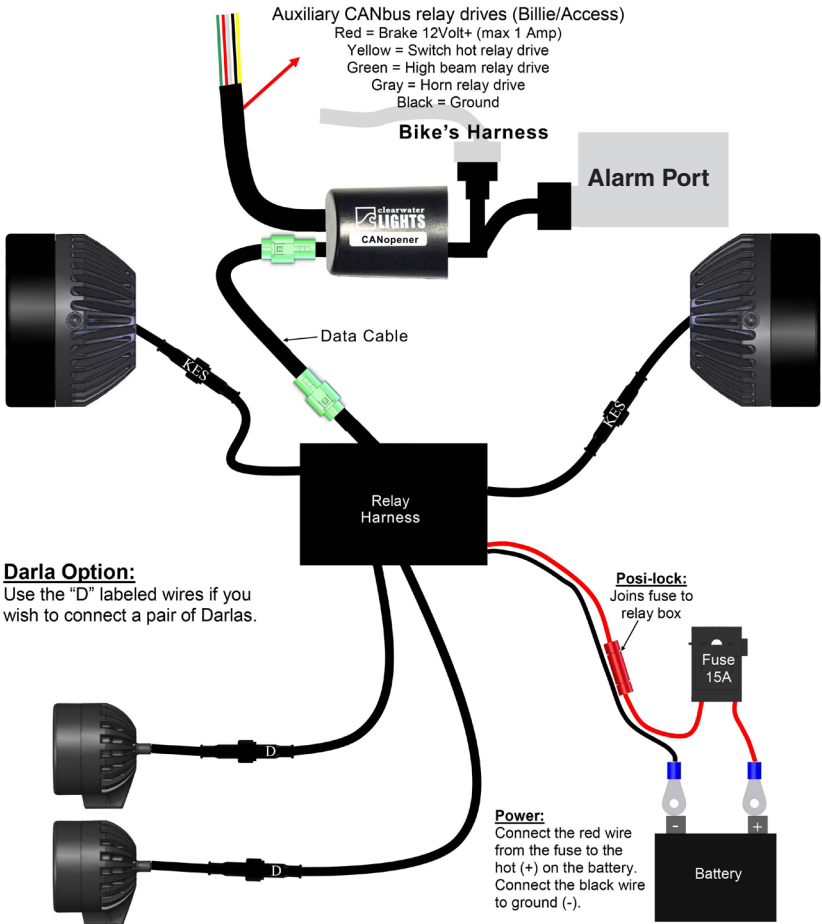KES CAN Harness

B805 - KES CONNECTION BAG

- 2 12" Zip Ties
- 12 6" Zip Ties
- 1 Ring Terminal
- 1 Zip Tie Pad

- 2 Krista/Erica/Sevina Lights

B715 - CAN5 BAG

- 1 5' Long Data Cable
- 1 CAN-Opener

Wiring Diagram With Wonder Wheel

Auxiliary CANbus relay drives (Billie/Access)
Red = Brake 12Volt+ (max 1 Amp)
Yellow = Switch hot relay drive
Green = High beam relay drive
Gray = Horn relay drive
Black = Ground

Bike's Harness

Alarm Port

clearwater LIGHTS
CANopener

Data Cable

KES

KES

Relay
Harness

Darla Option:
Use the "D" labeled wires if you
wish to connect a pair of Darlas.

Posi-lock:
Joins fuse to
relay box

Fuse
15A

D

D

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

−   +

Battery

Step 1: Mounting the Lights

You have purchased the 1.5" (38mm) Crash Bar Mounting Kit. This page is dedicated to the mechanical installation of that kit. Please follow the exploded diagram showing how to mount your lights.

Step 2: Mounting the Harness

Mount the wiring harness relay in the center of the motorcycle behind the fork and fork tube, just in front of the tank (red circle outlined below). Check movement of both steering and suspension before riding the bike to make sure the wiring is clean of pinch points.

Plug lights into wiring harness and secure wires and harness with the provided zip ties.

Route the power wires and data cable (cable with green connectors) backward, toward the battery. Removing the tank is not necessary, use a pull tool to route wires through tight spaces.
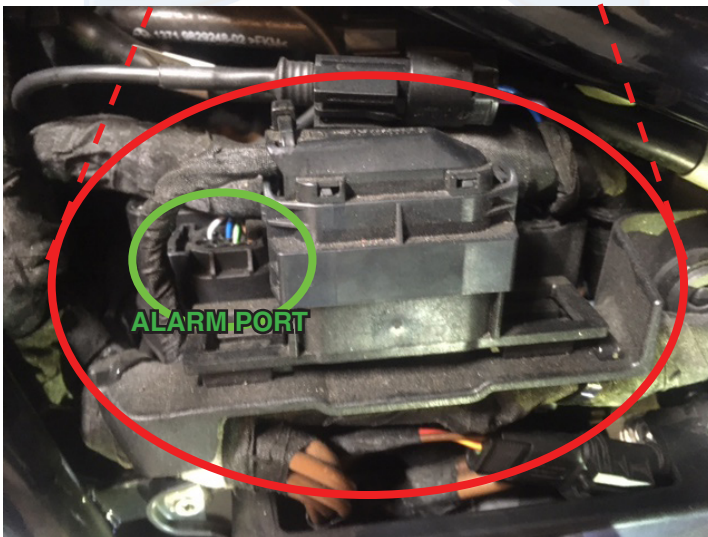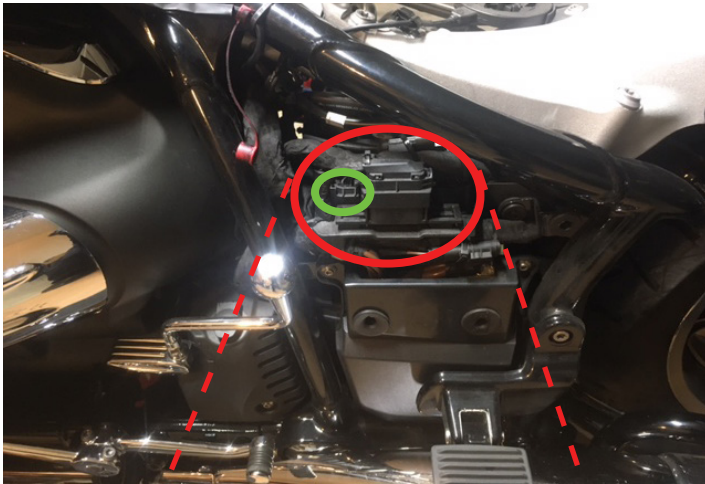
Step 3: Installing the CANopener

The Clearwater Lights kit you purcahsed uses our CANopener to allow the user to control the lights. This device will be plugged into the alarm port and the bike's factory wiring loom will be plugged into the CANopener. So, the CANopener acts as a pass-through within the system.

The alarm port is located on the left side of the bike, above the battery. Reference the photo below for identification of the alarm port.

Connect the CANopener to the alarm port, connect the data cable (cable with green connectors) connecting the Clearwater Lights harness to the CANopener. Make sure the wires are free from pinch points and direct heat.
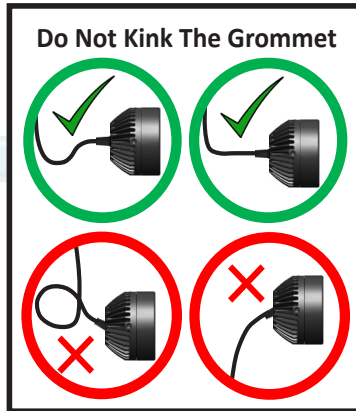

ALARM PORT

Finishing the Install + Tips & Tricks

Once all the wiring is routed, lights are plugged into the harness, CANopener is installed and data cable is plugged in connecting the harness and the CANopener, attach the fuse/fuse-holder to the positive (red) power wire of the Clearwater harness. Attach the positive (red) power wire to the positive terminal on the battery, then the negative power wire. Turn the bike's engine on and ensure all features are working properly.

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

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, alight 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

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.

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.