



**clearwater**  
**LIGHTS™**



## Installation Manual

BMW R(1200-1250) R/RS

Krista, Erica, Sevina LED Light Kit

Dimmable

*Patent Pending*



Made in USA

# Parts List

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. If something is missing, please call us at (916) 852-7029.

## Crash Bar Mount Kit

<p><b>B151 - HARDWARE BAG</b></p> <p>2 621 KES CB Bracket</p> <p>2 M10 x 16 HH</p> <p>2 M10 x 20 BH</p> <p>4 M10 Lock Washers</p> <p>4 M8 x 16 BH</p> <p>4 M8 Washer</p>	<p><b>B25 - HARDWARE BAG</b></p> <p>2 625 - Crash Bar Clamp - 25mm</p> <p>4 M5x15 (Pre-installed)</p>
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Last updated: 8/3/18

<p><b>B300</b></p> <p>2 Mod Bracket</p>	<p><b>B724 - KES CANopener HARNESS BAG</b></p> <p>KES CAN Harness</p>	<p><b>B805 - KES CONNECTION BAG</b></p> <p>2 12" Zip Ties</p> <p>12 6" Zip Ties</p> <p>1 Ring Terminal</p>
<p>2 Kristal/Erica/Sevina Lights</p>	<p><b>B713 - CAN3 BAG</b></p> <p>1 5' Long Data Cable</p> <p>1 CAN-Opener</p>	

# Parts List

## Fog Light Mount Kit

**B124 - HARDWARE BAG**  
 1 MAMIO R/RS Bracket Left  
 1 MAMIO R/RS Bracket Right  
 2 M8 x 35 SH  
 4 M8 Flat Washer  
 2 M8 Nylock

Last updated: 9/10/20

**B102 - HARDWARE BAG**  
 2 610c - GSA Bracket  
 2 M10 x 16 BH  
 2 M10 washers  
 2 M10 Nylock Nut  
 4 M8 x 16 BH  
 4 M8 Washer  
 2 M6 x 35 SH  
 4 M6 Washer  
 2 M6 Star Washer  
 2 M6 Nylock Nut

**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

2 Krista/Erica/Sevina Lights

**B713 - CAN3 BAG**  
 1 5' Long Data Cable  
 1 CAN-Opener

# Bike Prep & Mounting The Lights

- 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.

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.

## Crash Bar Mounting Kit

- Our crash bar mount comes with an optional L-bracket to be used at your discretion.
- The L-bracket can be used to give you more clearance in locations that may have body panel interference.
- Decide where you want to mount your new Clearwater lights on your bikes crash bar.
- Mount the crash bar bracket to your crash bar, position as needed for your application.
- If you are using the provided L-bracket, you will position the crash bar clamp so that the light mount will be parallel to the ground.
- Mount the Mod bracket to the crash bar bracket using the included M10 x 16 hex head bolt.
- Route wires behind lights and up under the bikes beak, making sure to leave enough wire at the light for a drip loop.
- Using the provided zip ties, secure wiring, taking care not to route them in a way that will interfere with the steering or suspension.



# Mounting the Lights

## Fog Light Mount Overview

- Using the figures below as reference, mount the BMW fog light bracket to the bike frame with the included M8 x 35mm HH bolt.
- Pre-assemble the lights and mounting bracket with new bolts. Use the M6 bolts and M6 washers to secure the lights to the brackets, and the M6x35 bolts to attach the bracket assemblies to the fog light mounts.
- Gently screw all bolts in hand tight. Inspect the bolt length before tightening the bolts. Assembly will resemble the exploded diagram below.



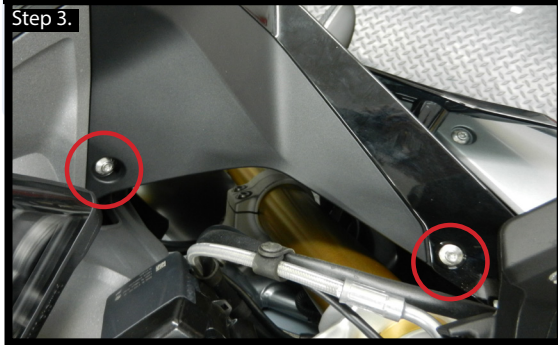


# Disassembly

Step 1. Remove seat with key. Location marked with red circle.

Step 2. Remove battery cover.

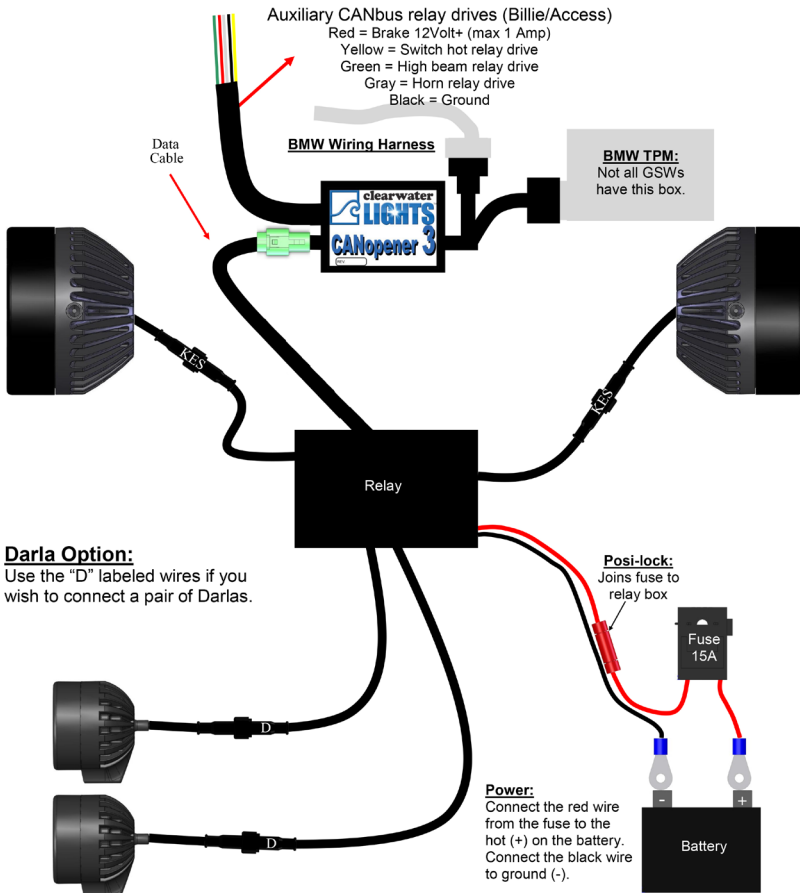
Step 3. Remove right side cowling cover. Bolts marked with red circles.



# Wiring Diagram

## Wiring:

- We highly recommend you take a minute to review the wiring diagram below before starting the wiring portion of the installation. Once you feel comfortable with the information below you are ready to begin the electrical portion of the installation.



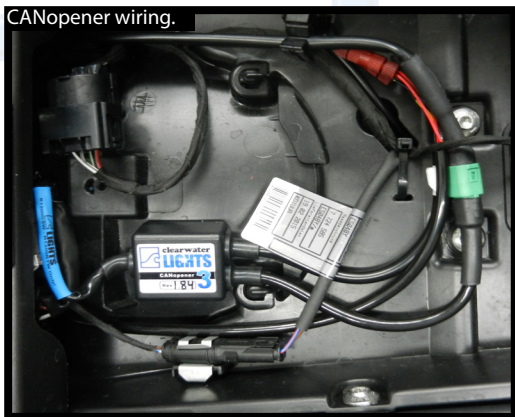
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# Harness and CANopener

## Wire Routing:

- Some R1200RS motorcycles have a TPM (Tire Pressure Monitor) under the passenger seat. Unplug the wiring harness from it and plug your Clearwater CANopener in it's place. Then plug the wiring harness into the CANopener.
- Route the wires from the CANopener along the main wiring on the Right side of the bike to the front. Leave the wires hanging here for now.
- Secure the CANopener to the plastic inner fender with provided Velcro strip. Be sure to clean any dirt or dust from area before affixing the CANopener.
- While routing wires be sure that they cannot become tangled or caught in either suspension or steering parts. Check movement of both steering and suspension before riding the bike.
- Connect the RED wire with the fuse holder and ring terminal to the positive battery terminal. Remove fuse from the fuse block before hooking up battery to prevent accidental shorts.
- Connect the BLACK wire ring terminal to the negative battery terminal.
- Make sure the green connector is plugged into the CANopener.

Reinstall the fuse into the fuse holder, start the motorcycle and test the lights. On low beam, you should be able to dim the lights with the WonderWheel. Make sure the lights go full bright with the highbeam.





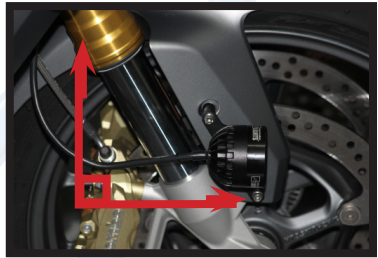
## Helpful Tips: Alignment / Using a Drip Loop



### Aligning 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. With a right angle board or object, position the board on the floor and slide it up to the light.

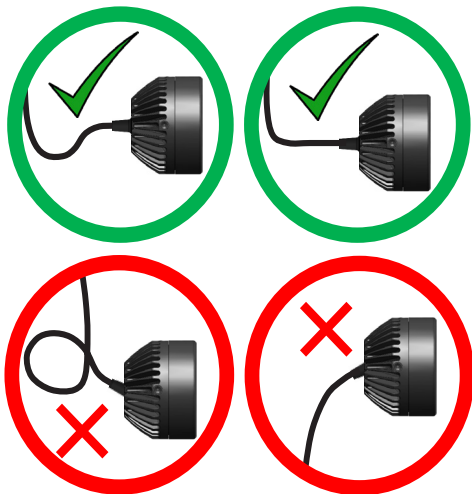
The goal is to adjust the lights so that the light is level with the ground. Passengers and luggage may alter the alignment of the light, so further adjustments may be needed. You may find that a slight downward angle (5 degrees) is helpful.



### 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



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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