



Installation Manual

BMW F900GS

Krista, Erica, Sevina LED Light Kit

Dimmable

Patent Pending



Made in USA

Bike Preparation and General Info

Bike Preparation:

- 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



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: Engine needs to be turned on before the lights will function

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

Tools that may be needed for installation:



Disassembly

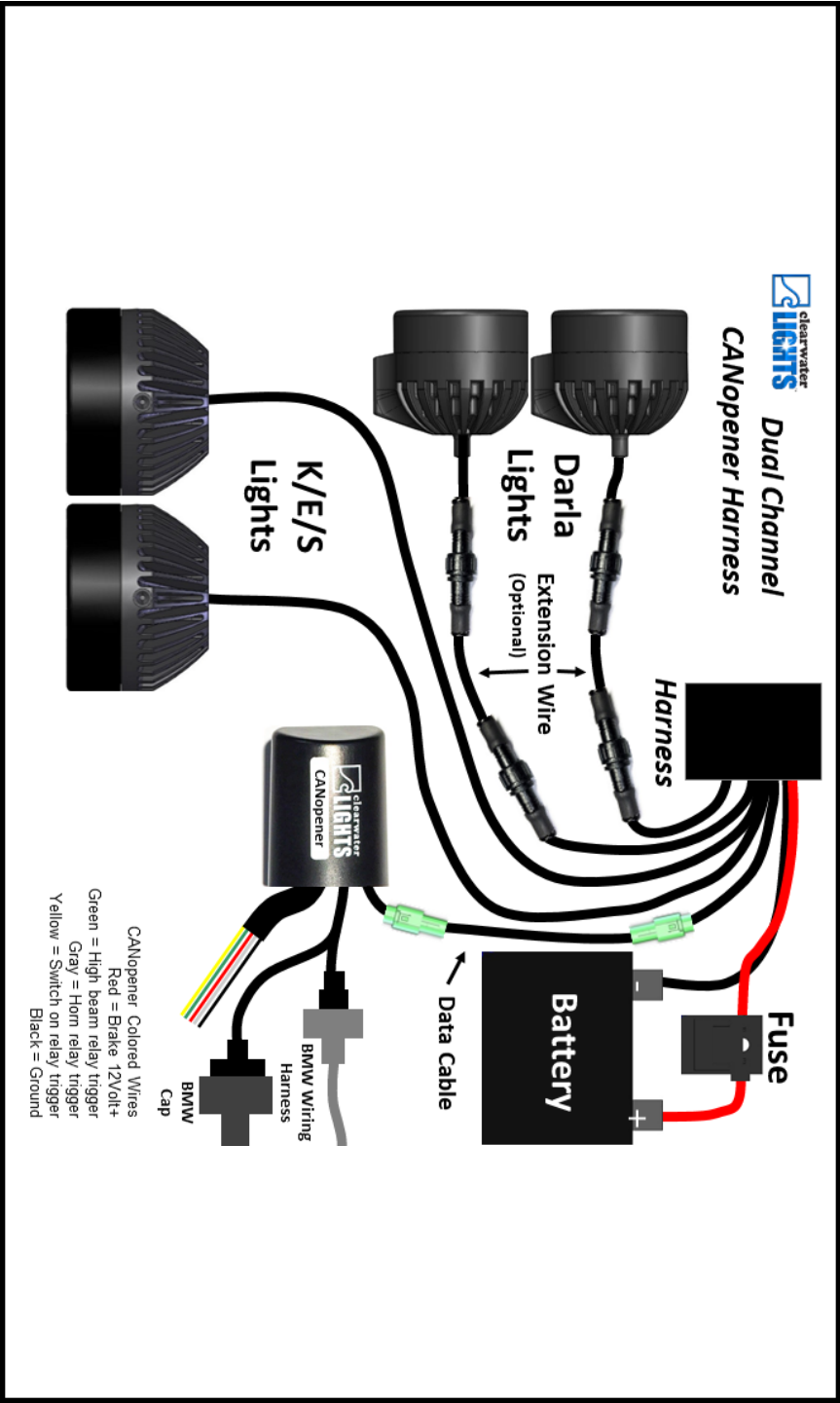
1. Remove the seat by turning the key to the right



1. We haven't had the chance to get a good look at the bike and so we don't know much about what needs to be taken off, although, we think you can route the wires without taking off any panels



Wiring Diagram



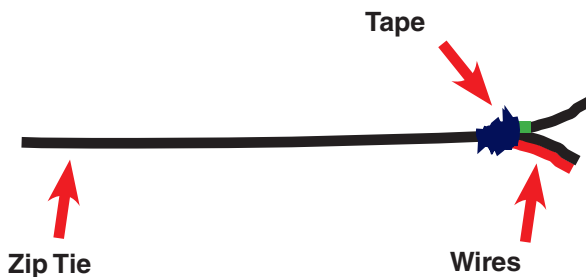
Harness Installation

1. Install the harness by inserting somewhere in this cavity. Plug in the data cable extension and then route both the power wires and the data cable underneath the frame to the back of the bike



Note:

To route the wire through the frame we recommend getting a thick and long zip tie and then taping the wires to it. This helps to fish the wires through. Although, anything decently strong and flexible can be used as well



Harness Installation

5. Route the wires along the frame as shown (this process can take some time as fishing the wire through can be difficult, **you don't need to take off the fuel tank**)



6. Attach the fuse to the red wire using the provided posi-lock (see next page for instructions). Attach the power wire to the positive and negative terminal making sure to **remove the negative first and then putting it back last**



Harness Installation

Instructions on how to use Posi-Locks
(Strip wire 1/4")

Posi-Lock® Connector

Strip Wire



Insert in end



Hand Tighten



Repeat for other end

Patents: 5,228,875 5,695,369 5,868,589 2,708,155 6,568,952 6,358,101B
2,624,792 2,654,610 6,488,548B1 6,494,753B1 6,568,952
Jap 2981414 Aus 708700 729018 Tia 103534 121365 152770 Can 2,204,826
Mex 200626 China ZL97105562.9 ZL98805391.8 and others pending
Posi-Lock ® is a registered trademark of Posi-Products, Inc.

1. Unplug the connector on the bike and then connect our canopener into that plug on the bike. Plug in the connector you just unplugged into the other side of the canopener



Crash Bar Install

2. Install the lights using the diagram below



Alignment / Grommet Precaution

Aligning The Lights:

As 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 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.

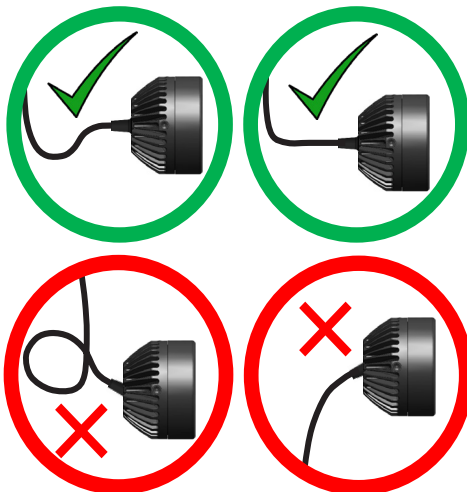
Passengers and luggage may alter the alignment of the light, so further adjustments may be needed. You may find that a slight downward angle (**5 degrees**) is helpful. Often times it is helpful to angle the right side light toward the right side of the road. This helps with identifying road terrain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



Do Not Kink The Grommet

To maintain the integrity of the water 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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