



clearwater
LIGHTSTM



Installation Manual

BMW 1200GS-GSA
2005 - 2012 (+ 2013 GSA)
with new Headlight Jumper Kit

Krista/Erica/Sevina LED Light Kit

Dimmable

Patent Pending



Made in USA

Step 1: 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. If something is missing, please call us at (916) 852-7029.

R1200 GS/GSA Fog Light Replacement

<p>E-K 2 – Erica/Krista GSA Kit 2 Krista/Erica/Sevina Lights 2 Mod Bracket</p> 	<p>BT02 - HARDWARE BAG</p>  <ul style="list-style-type: none">2 M10 x 16 BH2 M10 washers2 M10 Nylock Nut4 M8 x 16 BH4 M8 Washer2 M6 x 35 SH2 M6 Washer2 M6 Nylock Nut	<p>Last updated: 10/29/19</p>
<p>B723 - KES R1200 GSA HARNESS</p> 	<p>B709 - KES POT BAG: 1 Pot Assembly</p>  <ul style="list-style-type: none">1 M6 x 10 BH1 M5 x 30 SH1 L Bracket1 M5 Flat Washer1 Spacer #71 Plastic Plug	

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.

Step 1: Parts List and Bike Preparation

R1200 GS/GSA

E-K 1b – Universal Krista/Erica

2 Krista/Erica/Sevima Lights

2 Mod Bracket



B722 – KES R1200 GS HARNESS

KES Wiring Jumper Harness

B709 – KES POT BAG:

1 Pot Assembly



1 M6 x 10 BH

1 M5 x 30 SH

1 L-Bracket

1 M5 Flat Washer

1 Spacer #7

1 Plastic Plug

B821 – KES CONNECTION BAG

3 Posi Tap

12 6" Zip Ties

1 Ring Terminal

2 Female Spade

1 Switch



Last updated: 6/19/20

B101 – HARDWARE BAG

2 M10 x 25 HH

2 M10 washers

2 M10 Nylock Nut

4 M8 x 16 BH

4 M8 Washer



Step 1: Parts List & Bike Preparation

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.

Krista/Erica/Sevina Technical:

- Krista, Erica, and Sevina are very bright LED auxiliary lights. They use advanced digital circuits to monitor and control light output.

The wide circular pattern is very useful when riding mountain roads on a motorcycle as it keeps light on the road and in the tree canopy. As the bike leans, light is still focused on the road. Be certain to use the lights in a manner that does not blind oncoming traffic. Use these with caution, with great power comes great responsibility, ride safe.

- By using a proprietary digital volume control, we can “dim” the lights via a remote mount volume control. This rotary knob sends a digital signal to our microprocessor that changes the pulses of electricity to the LED’s. As we increase the time that the lights are “off” the human eye perceives this as dimming. We switch our lights on and off at a rate of 250 times per second, every second. Increased efficiency occurs with the dimming as well.

- Krista, Erica, and 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 modes. Krista light output is about 3000 lumens per light while only using 35 watts of power. Erica light output is about 6000 lumens per light while using about 60 watts of power. Sevina light output is about 7500 lumens per light while using about 70 watts of power. Krista, Erica, and Sevina are easy to install and have many, many uses.

Step 2: Mounting The Lights

Mounting The Lights: (GSA Fog Light Location)

- Find the enclosed parts that allow direct mounting to 2005-2013 BMW R1200 GS Adventure bikes. Our kit includes (2) small U-brackets. These allow mounting to the factory Fog light mount. You can use the original fog light bolt or the one supplied by us. (**Note:** some 2012 bikes have a tube style of factory mount).
- Mount brackets as shown below.
- Double check alignment before tightening bolts.
- Simply disconnect the factory fog light connector and plug the Krista/ Erica/ Sevina harness into the connector.
- Our harness plugs into the factory Fog light connector. (*Only on factory equipped GSA bikes with the Fog light option.*)

BMW 1200GSA
Fog Light
Location



BMW 1200GSA
Fog Light Location
(2005 -2013)



Step 2: Mounting the Lights

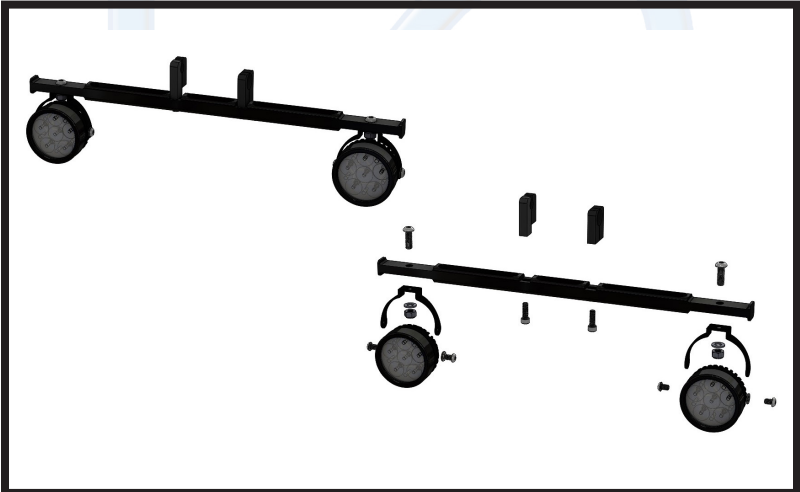
Mounting The Lights: *(Additional Mounting Options)*



BMW 1200GSA Crash Bar
Mount



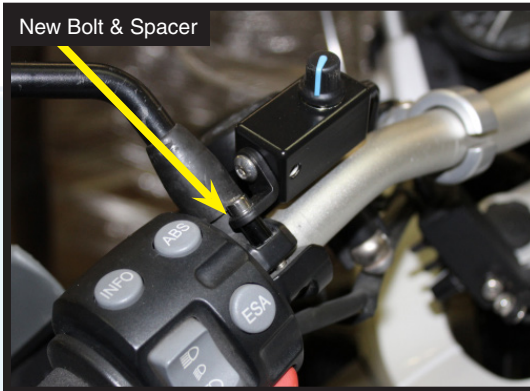
BMW 1200GS-GSA
Aftermarket Light Bar



Step 3: Mounting The Volume Control Knob

Mounting The Volume Control Knob: (*Bar Mount*)

- Mount the “volume control” to handlebar by using supplied bracket, bolt and clamp.
- Route wires from lights and volume control knob bracket to area under left side of forks. Connections can be made here and be kept weatherproof.



Mounting the Switch (If applicable):

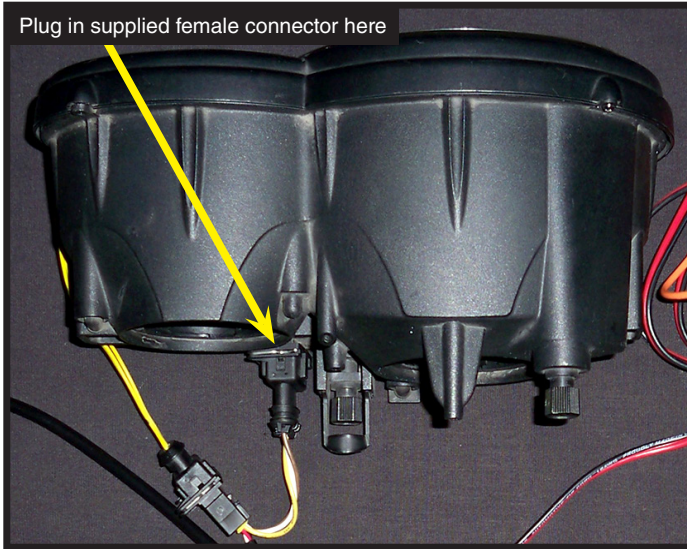
- You can mount the light switch wherever works for you, but we recommend drilling a hole and placing it on the left side of the body as shown below.



Step 4: Wiring

Wire Routing: (Please consult owners manual for wiring diagram and color codes)

- Be sure to route wires so that they cannot become tangled or caught in the suspension or steering parts. Check movement of both steering and suspension before riding the bike.
- It is sometimes helpful to follow existing wire routing or brakes lines.



Wiring: (Headlight Jumper Kit for 1200GS Shown Above)

- The Headlight Jumper Kit allows BMW 1200GS-GSA riders to connect their Clearwater lights to the factory headlights without any splicing or tapping into existing wires.
- Simply disconnect the female connector from the headlight and plug our female connector in its place. Now plug the disconnected OEM female plug into the supplied male connector on the Clearwater harness.
- By using this quick and easy connection your lights will now function in sync with your high beams when you turn them on and off.
- Your lights are now connected and ready to go.

Horn Feature:

- Locate the horn's hot (+) lead. This will make your lights flash to full when you sound your horn. Use a Posi-tap to connect the white wire from the relay box to this wire. If you do not want to use this feature, simply tuck the white wire away in a neat fashion.

Step 4: Wiring

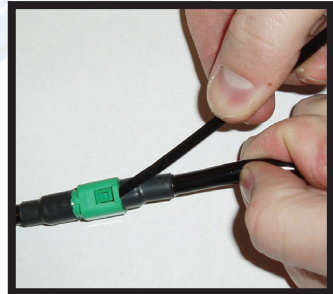
Special Instructions for BMW R1200GSA with factory fog lights:

- In the GSA version with factory fog lights, the Krista/Erica/Sevina lights replace the fog lights. Simply plug the connectors on the Krista/Erica/Sevina wiring harness into the fog light connectors and tuck the wire away in a fashion that does not create an electrical hazard.

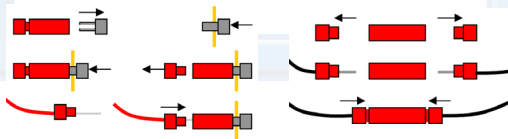


Volume Control Knob Connector Removal:

- If during the course of assembly you need to disconnect the green connectors, gently lift the tab shown on the diagram on the right using a zip-tie while pulling on the plug. Be careful that you do not break this tab off or else the connector will not lock together.



Posi-Products Installation Instructions:



Posi-tap (B):

B

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.

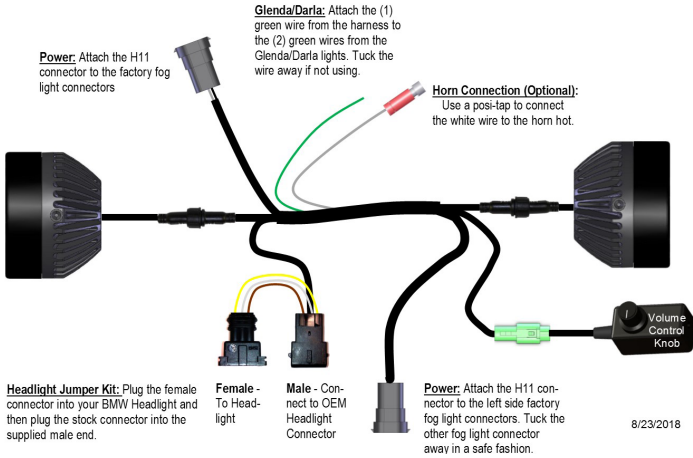
Posi-lock (C):

C

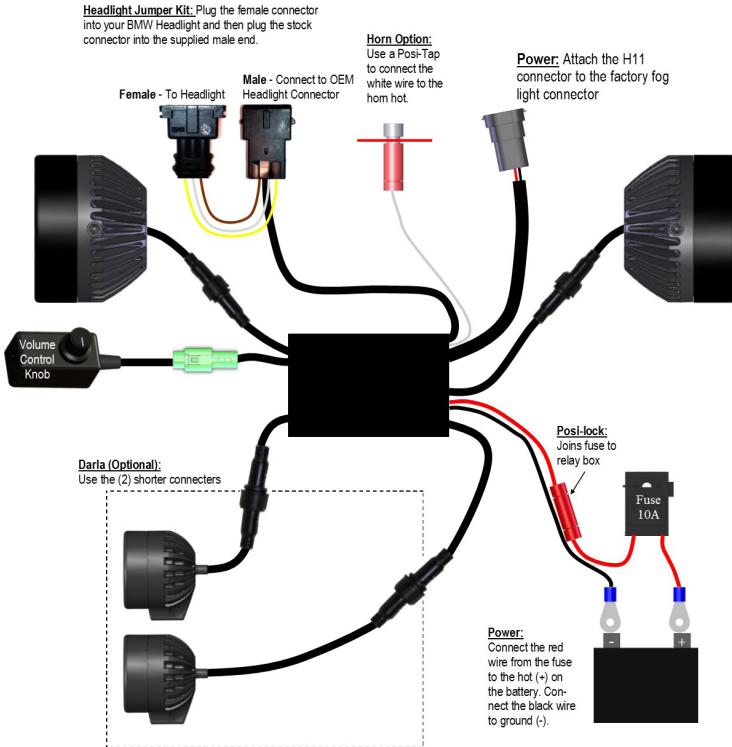
Attach the wires to the screw in connectors using the same method as Posi-twists.

Step 4: Wiring

Wiring Diagram for GSA Krista/Erica/Sevina



Wiring Diagram for Regular Krista



Step 4: Wiring Diagram

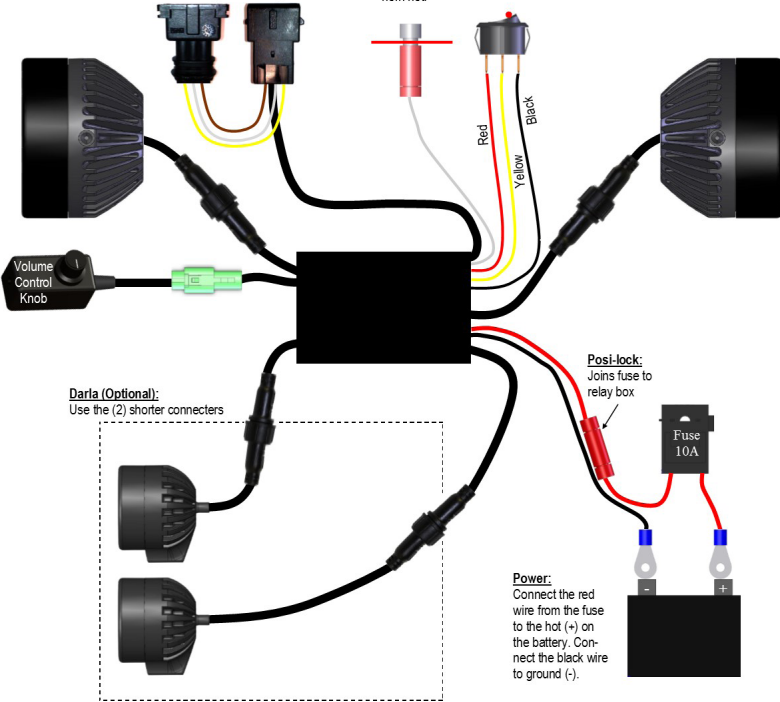
Wiring Diagram for Regular Krista

Headlight Jumper Kit: Plug the female connector into your BMW Headlight and then plug the stock connector into the supplied male end.

Female - To Headlight
Male - Connect to OEM Headlight Connector

Horn Option:
Use a Posi-Tap to connect the white wire to the horn hot.

Switch: Connect the yellow wire marked "Load" to the load terminal on the switch. Connect the "12V+ to switch" wire to the "supply" terminal of the switch. Connect the black grounding wire to the "earth" terminal of switch. Extra crimp on connectors are provided if you wish to shorten the wires.



8/23/2018

Installation Tips:

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.

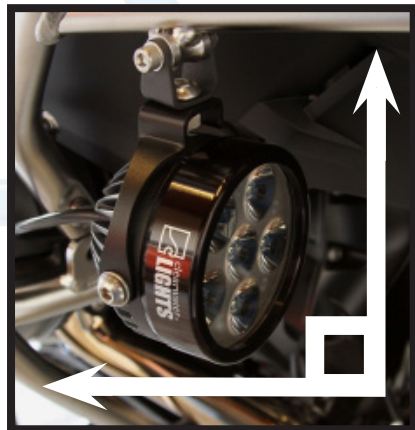


Aligning the Lights:

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. 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.



Notes



Notes



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.



clearwater
LIGHTSTM

The Clearwater Company - 11305 Sunrise Gold Circle, Suite D
Rancho Cordova, CA 95742
Phone: (916) 852-7029 | Fax: (916) 852-9410 | www.clearwaterlights.com

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