



clearwater
LIGHTS™



Installation Manual

BMW1200GSW - R1200GSAW

R1250GSW - R1250GSAW

Darla LED Light Kit

Dimmable

Patent Pending











Made in USA

Parts List and Bike Preparation

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

- 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.

D50 - Fork Mount Parts List

<p>2 Light Assembly</p> 	<p>B764 - CANopener HARNESS BAG</p> <p>1 Harness + Fuse + Fuse Holder</p> 	<p>B-58 HARDWARE BAG</p> <p>2 658 - GSW Clamp bracket- front and back</p> 
<p>B713 - CAN3 BAG</p> <p>1 5' Long Data Cable</p>  <p>1 CAN-Opener</p> 	<p>B805 - CONNECTION BAG</p> <p>1 Ring Terminal</p>  <p># 6" Zip Ties</p>  <p>2 12" Zip Ties</p>  <p>1 Zip Tie Pad</p> 	<p>2 602c B2c brackets (Pre-installed)</p>  <p>8 M3x10 (Pre-installed)</p>  <p>4 M6 X 14 SHCS Bolt</p>  <p>4 M6 Flat Washers</p>  <p>2 M10 X 20 (Pre-installed)</p>  <p>2 M10 Lock Washers (Pre-installed)</p>  <p>1 Dental Floss</p> <p>2 Black Double Sided Tape</p>
<p>Last Updated: 1/25/21</p>		

Note:

With the standard setup, your lights will stay on while the bike is on. If you want the ability to turn the lights on/off, you must connect the yellow wire from the trident adapter to the red wire on the wiring harness instead of the red wire shown. See pg. 4-5.

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

D157 - R1200/R1250 GSW Light Bar Bracket Parts List

2 Light Assembly



B713 - CAN3 BAG

1 5' Long Data Cable



1 CAN-Opener



Last updated: 1/21/21

B764 - CANopener HARNESS BAG

1 Harness + Fuse + Fuse Holder



B805 - CONNECTION BAG

1 Ring Terminal



12 6" Zip Ties



2 12" Zip Ties



1 Zip Tie Pad



2 1 ft Extension



B257 - HARDWARE BAG

2 M10 x 25 HH



4 M6 x 18 SH



2 M10 Washers



10 M6 Washers



2 M10 Nylock



2 M6 Nylock



2 Hex Nut Insert



2 Short Stand-Offs



1 Short Lightbar



4 M6 X 14 HH



1 619 - Pendant Bracket Left 10mm hole


















1 619 - Pendant Bracket Right 10mm hole


















Parts List

D51 - Crash Bar Bracket Parts List

<p>2 Light Assembly</p> 	<p>B764 - CANopener HARNESS BAG</p> <p>1 Harness + Fuse + Fuse Holder</p> 	<p>B150 HARDWARE BAG</p> <p>2 G D CB Bracket</p>  <p>4 M6 x 14 SH Bolt</p>  <p>2 M10 x 16 BH Bolt</p>  <p>4 M6 Flat Washers</p>  <p>2 M10 Lock Washer</p> 
<p>B713 - CAN3 BAG</p> <p>1 5' Long Data Cable</p>  <p>1 CAN-Opener</p> 	<p>B805 - CONNECTION BAG</p> <p>1 Ring Terminal</p>  <p>12 6" Zip Ties</p>  <p>2 12" Zip Ties</p>  <p>1 Zip Tie Pad</p> 	<p>B25 - HARDWARE BAG</p> <p>2 Crash Bar Clamp - 25mm</p>  <p>4 M5x15 (Pre-installed)</p> 

Last Updated: 1/25/21

D52 - R1200-R1250 GSAW Fog light mount

<p>2 Light Assembly</p> 	<p>B764 - CANopener HARNESS BAG</p> <p>1 Harness + Fuse + Fuse Holder</p> 	<p>B40 - HARDWARE BAG</p> <p>2 604 - GSA Adapter Bracket</p>  <p>4 M6 x 14 HHCS bolt</p>  <p>2 M6 x 35 SHCS bolt</p>  <p>8 M6 Flat Washers</p>  <p>2 M6 Nylock</p>  <p>2 M6 Star Washers</p> 
<p>B713 - CAN3 BAG</p> <p>1 5' Long Data Cable</p>  <p>1 CAN-Opener</p> 	<p>B805 - CONNECTION BAG</p> <p>1 Ring Terminal</p>  <p>12 6" Zip Ties</p>  <p>2 12" Zip Ties</p>  <p>1 Zip Tie Pad</p> 	<p>2 1 ft Extension</p> 

Last Updated: 1/25/21

Tools Needed For Installation



2.5mm Hex Key



4mm Hex Key



5mm Hex Key



6mm Hex Key



T25 Torx



T30 Torx



Zip Tie Cutting Tool



10mm Wrench

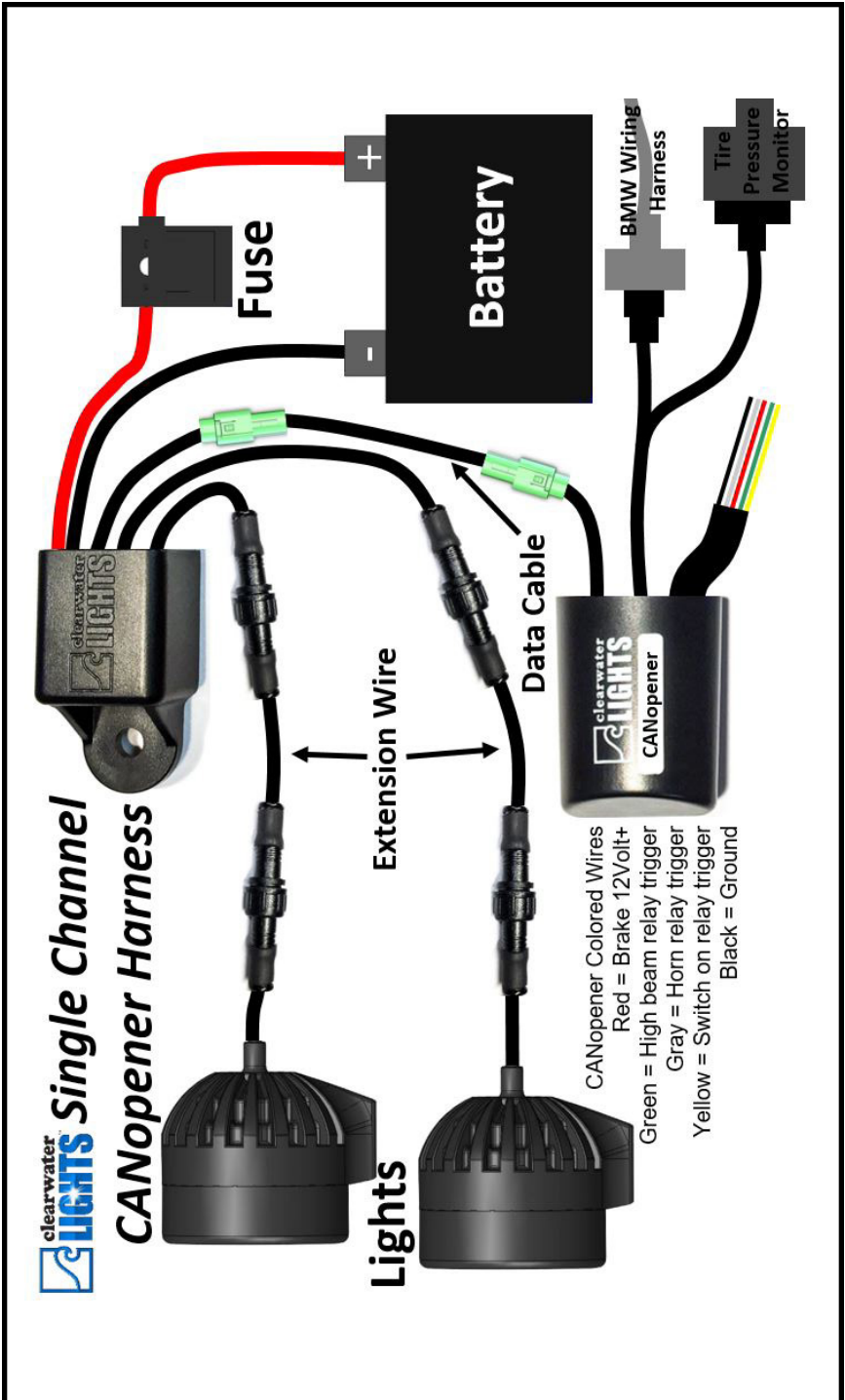


**Wire Strippers
(Optional)**



**Terminal Crimper
(Optional)**

Wiring Diagram

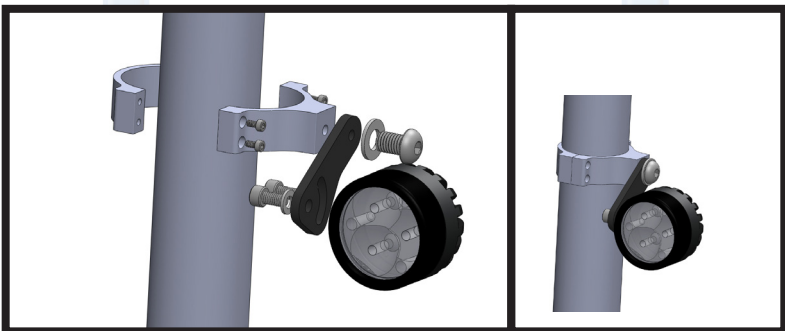


Mounting The Lights / Fork Mount

Note: *The engine needs to be running for lights to work*

Fork Mount Overview (For R1200/R1250-GS/GSA):

- For R1200GSW: There may be reflectors on the fork tubes that interfere with mounting your Glenda / Darla lights. You will have to remove the reflectors. The best way is by using “DENTAL FLOSS!” We find that mint flavor wax floss works the best. (*just kidding*) Slide the floss back and forth to “cut” the foam tape behind the reflector. Then clean any residue left by them and continue with the installation. Once your lights have been installed, use the provided double-stick tape to reattach the reflectors just above the Clearwater brackets.
- Attach the two clamp halves to the bottom of the machined fork tube using the supplied M3 x 10mm bolts as shown in the exploded view below.
- Attach the universal bracket to the Glenda / Darla Light using two M6 x 14 bolts and two M6 flat washers.
- Attach the universal bracket to the clamp with one M10 x 20 bolt and one M10 flat washer.
- Route the wires from the lights up the brake lines, making sure to leave a drip loop (*see page X*) at the light. Run wires to right hand side of the bike, leave loose behind fairings for now.

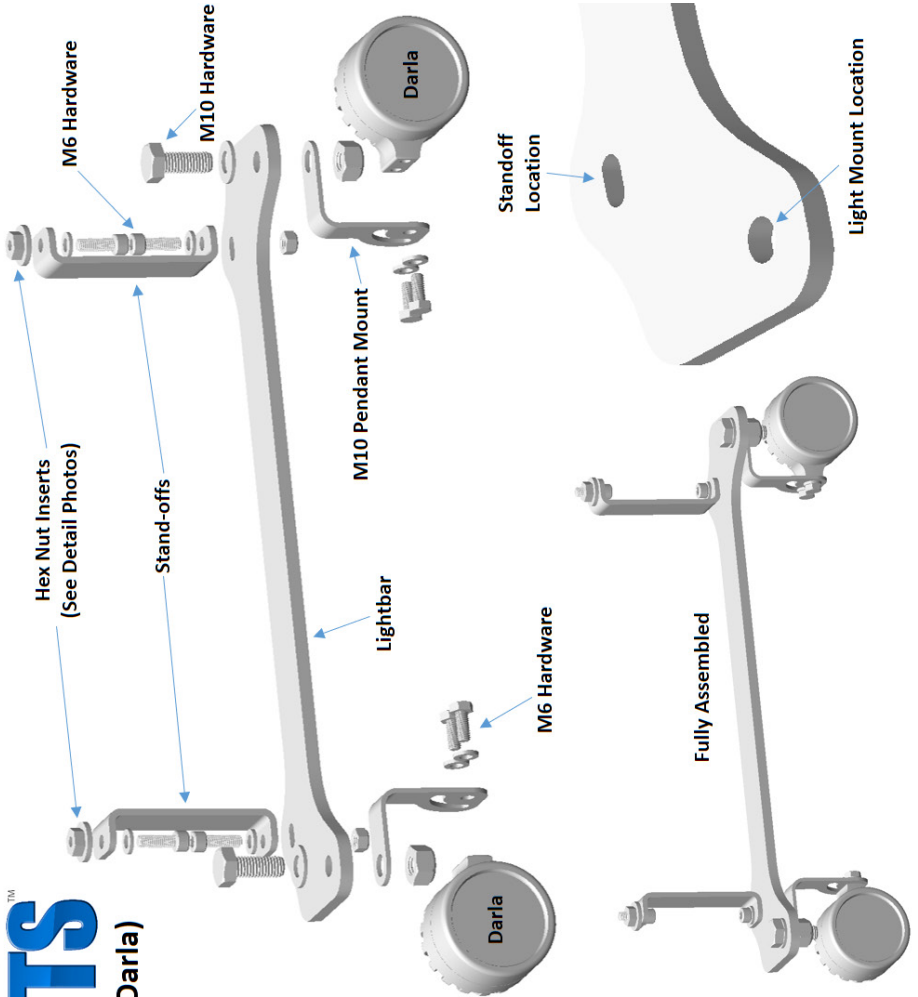


Mounting The Lights / Fork Mount

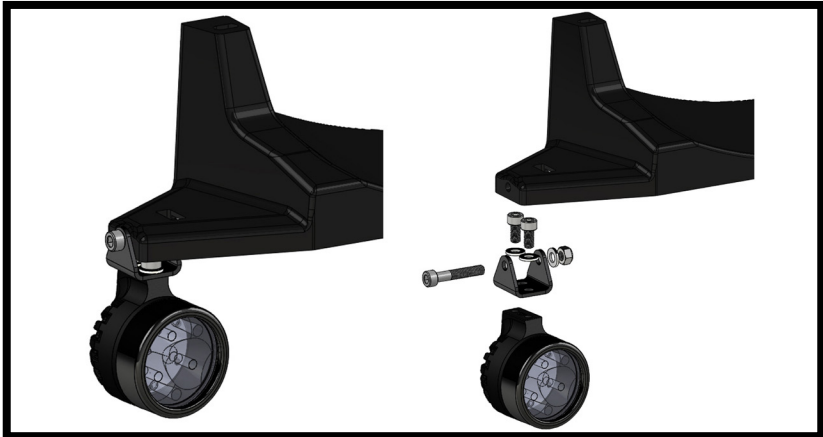


Mounting The Lights/ Light Bar (GSW)

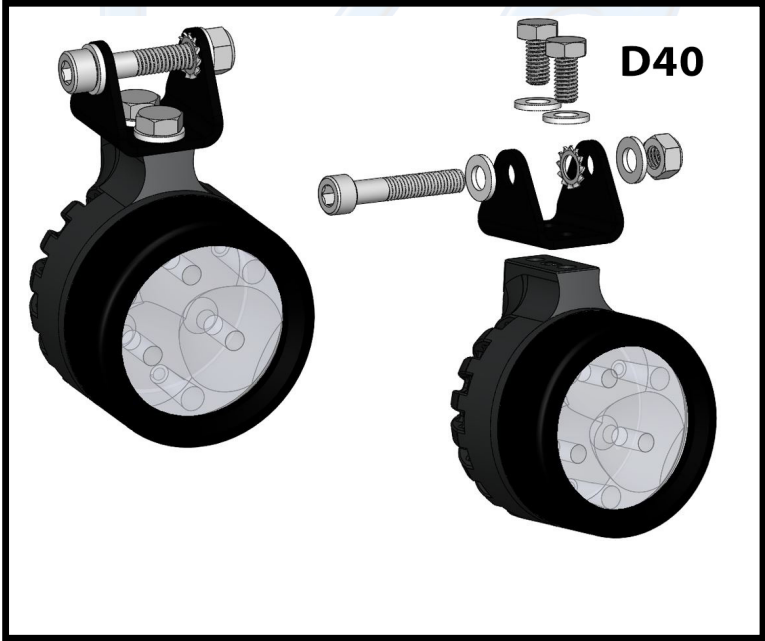
clearwater **LIGHTS** D157 GSW Lightbar (Darla)



Mounting The Lights/ Factory Light Bar (D52)



Mounting The Lights/ GSAW Fog Light



Aligning the 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. 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.

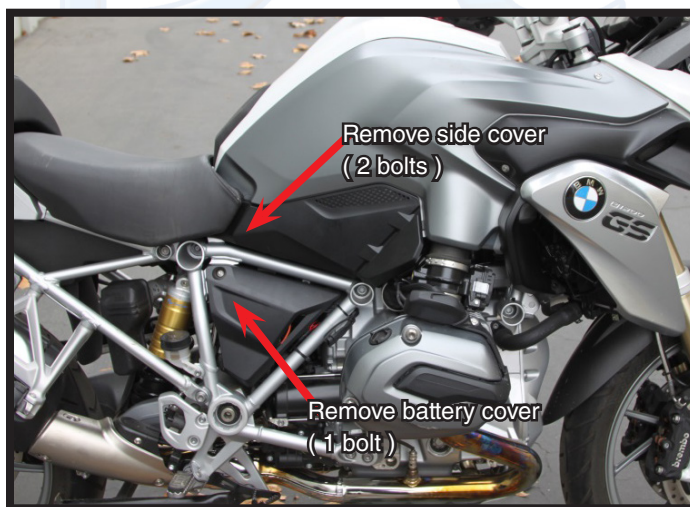


Disassembly

R1200GSAW

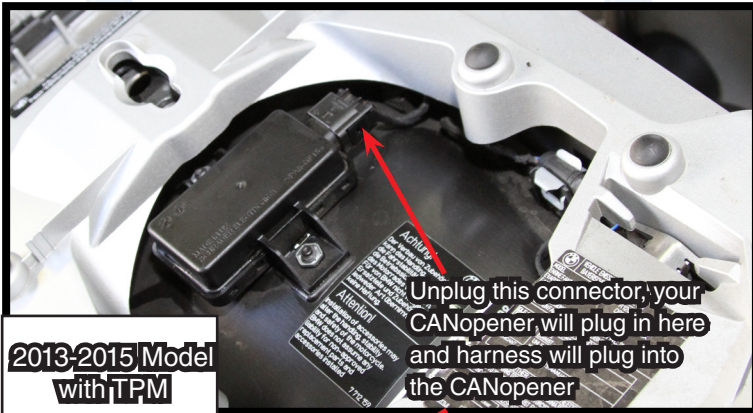


R1200GSW

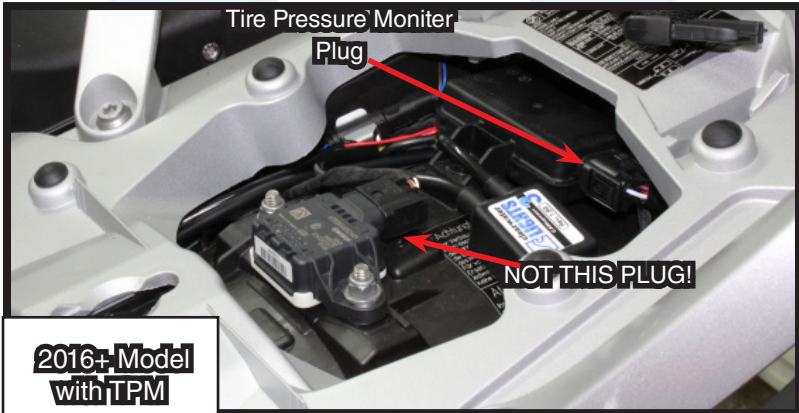
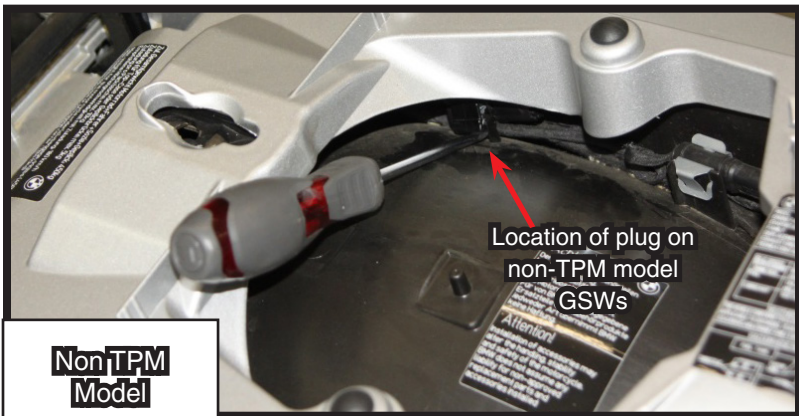


Wiring: 2013-2015 Bikes

- Some R1200GSW motorcycles have a TPM (*Tire Pressure Monitor*) under the passenger seat while others do not. See pictures below for reference in deciding whether yours has this box or not.
- If you have a TPM, unplug the wiring harness from it and plug your Clearwater CANopener in it's place. Then plug the wiring harness into the CANopener.
- If you do not have a TPM, you will find the wiring harness with the plug tucked into the right hand side of the compartment. It is secured with a zip tie to a clip that can be rather hard to remove. Once freed, remove the protective cap from the plug and plug the harness into your Clearwater CANopener. Plug the protective cap that you removed into the unused side of your CANopener to protect it and tuck it down into the compartment to get it out of the way.



Wiring: Non-TPM Bikes and 2016+ Bikes



- 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.

Wire Routing



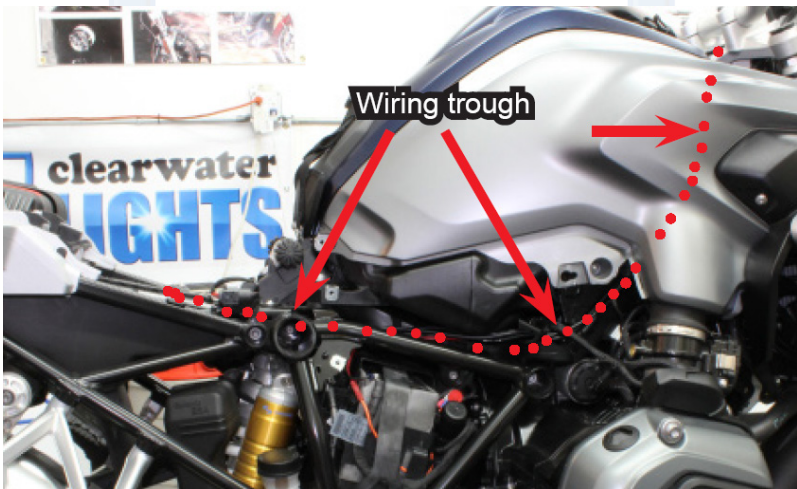
The Clearwater Lights harness should be mounted between the right side of the headlight assembly and the front-sub-frame (as shown above).

Secure the harness in place with zip ties or a fastener of your choice. Connect the data cable to the harness and route it to the CANopener in the back of the bike. Plug the data cable into the CANopener.

Route the power wires back to the battery compartment through the wire trough (as shown below). Connect the fuse/fuse-holder to the positive (red) power wire and use the battery ring terminal to connect to the battery.

Route the light wires from the harness to the location of the lights. Use light extension wires if needed. Be careful to avoid suspension, steering components, pinch points and direct heat sources when routing wires. Connect the lights to the harness.

Note: Bike engine must be running for lights to work.



Helpful Hints:

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.



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.



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