



Installation Manual

BMW R1300GSA

Krista, Erica, Sevina LED Light Kit

Dimmable

Patent Pending



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:

1. **Torx Set**
2. **Allen Key Set**
3. **17mm Wrench**



Disassembly

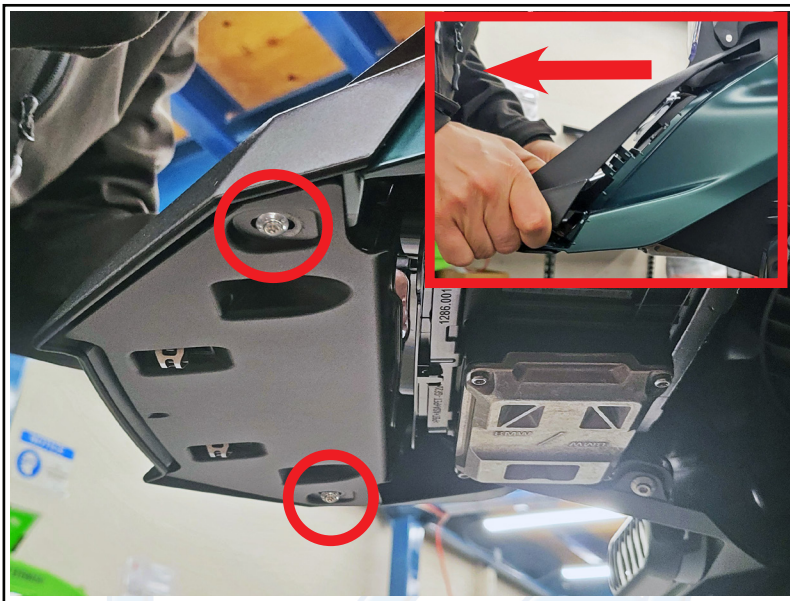


1. Remove the seats, ensuring to disconnect the seat warmer cables for both seats before they can be fully removed

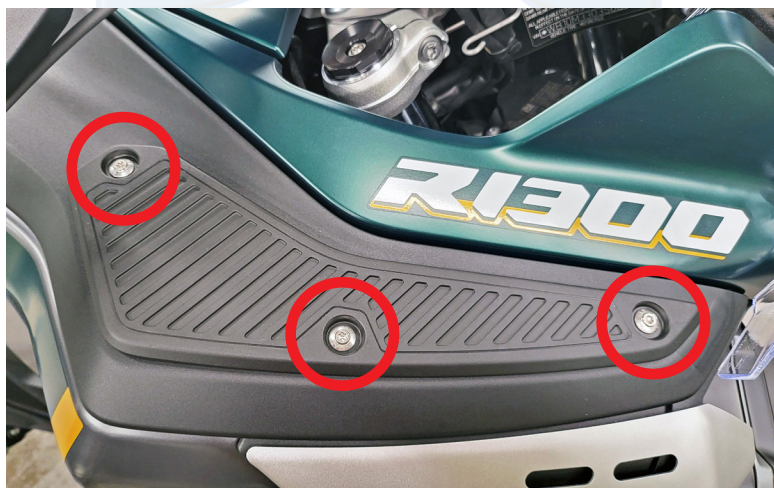


Disassembly

2. To start dissassembly first loosen the plastic piece shown below by removing these two screws. Then pull to remove



3. Remove the piece shown below by removing these three screws. There is also tape on the underside of this piece so force may be required. Do the same on the other side

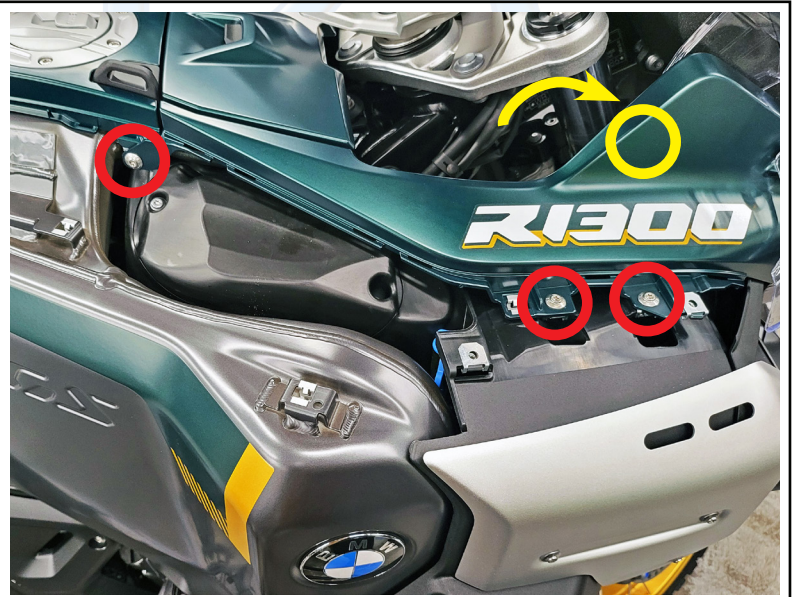


Disassembly

4. To remove the plastic piece shown below remove one additional screw towards the back and then pull. Force may be required as clips are used to hold it in place. Do the same for the other side



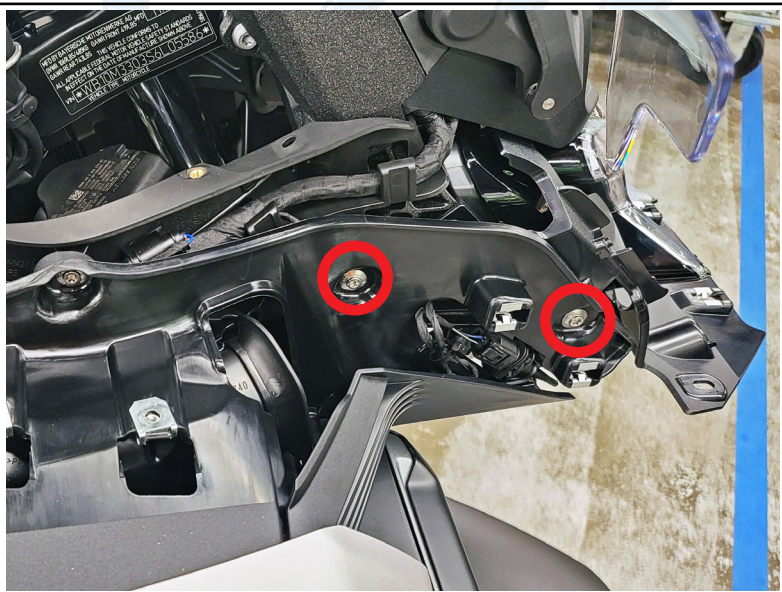
5. Next, remove the screws shown below. There is an additional screw not seen in this picture. Pull away to remove the faring. Repeat on the other side



Disassembly

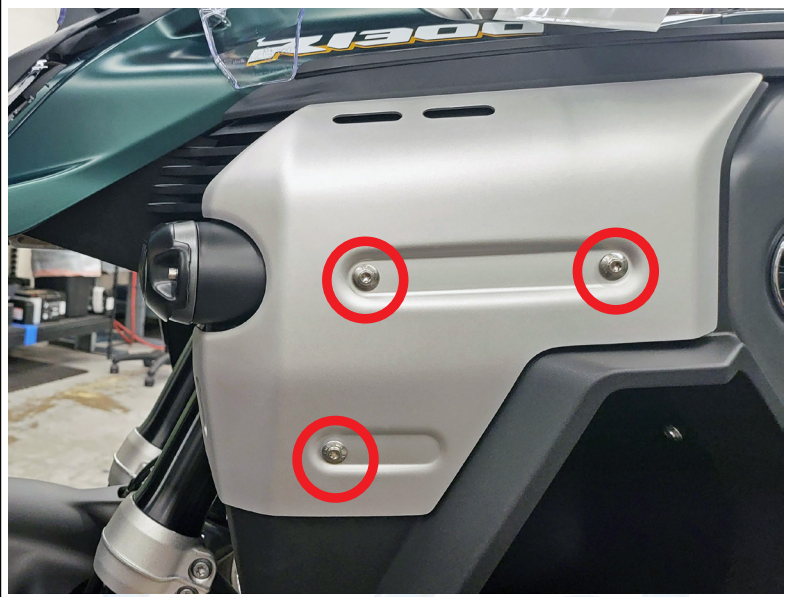


6. Next, remove the screws shown below to allow to get to the bolts underneath

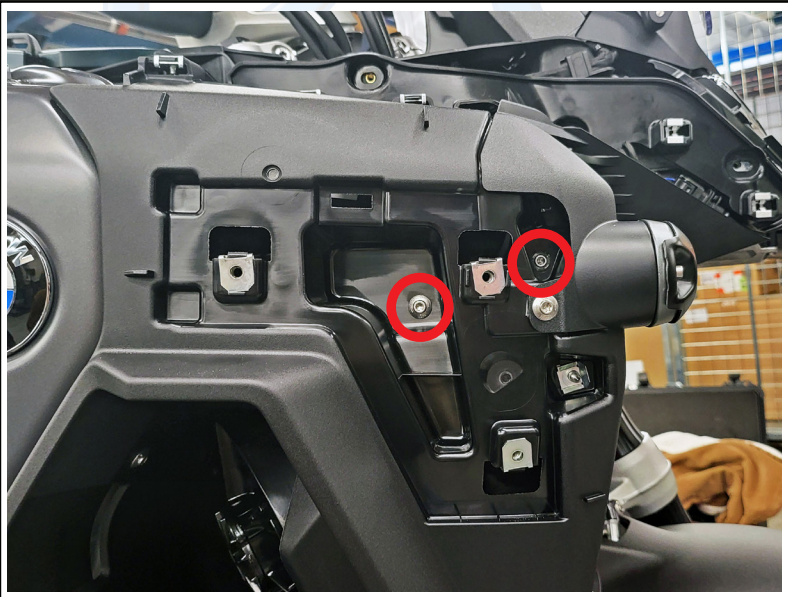


Disassembly

7. Next, remove the screws shown below to remove the panel. Do the same on the other side

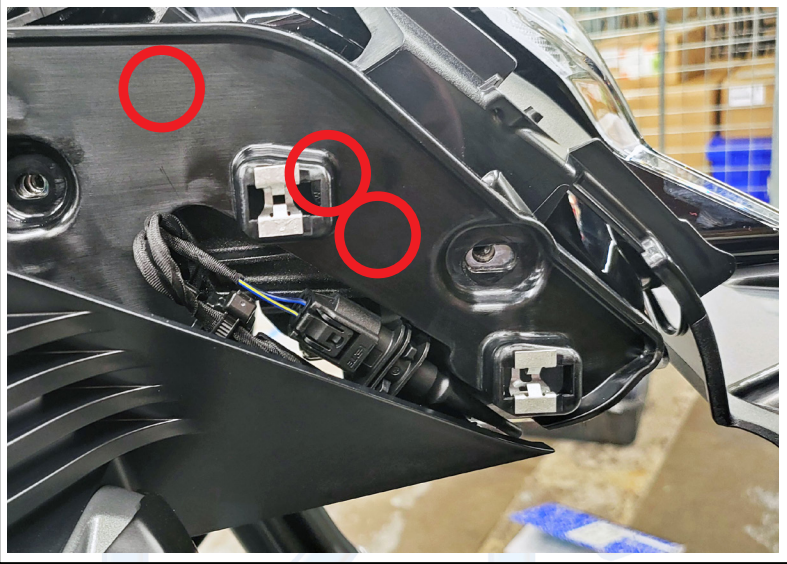


8. Next, remove the screws shown below to allow more wiggle room in removing the next screws if applicable and for installing the harness

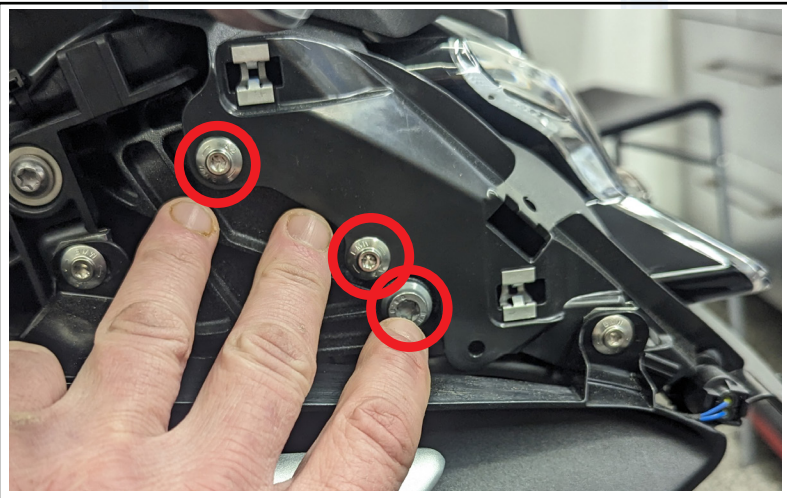


Disassembly

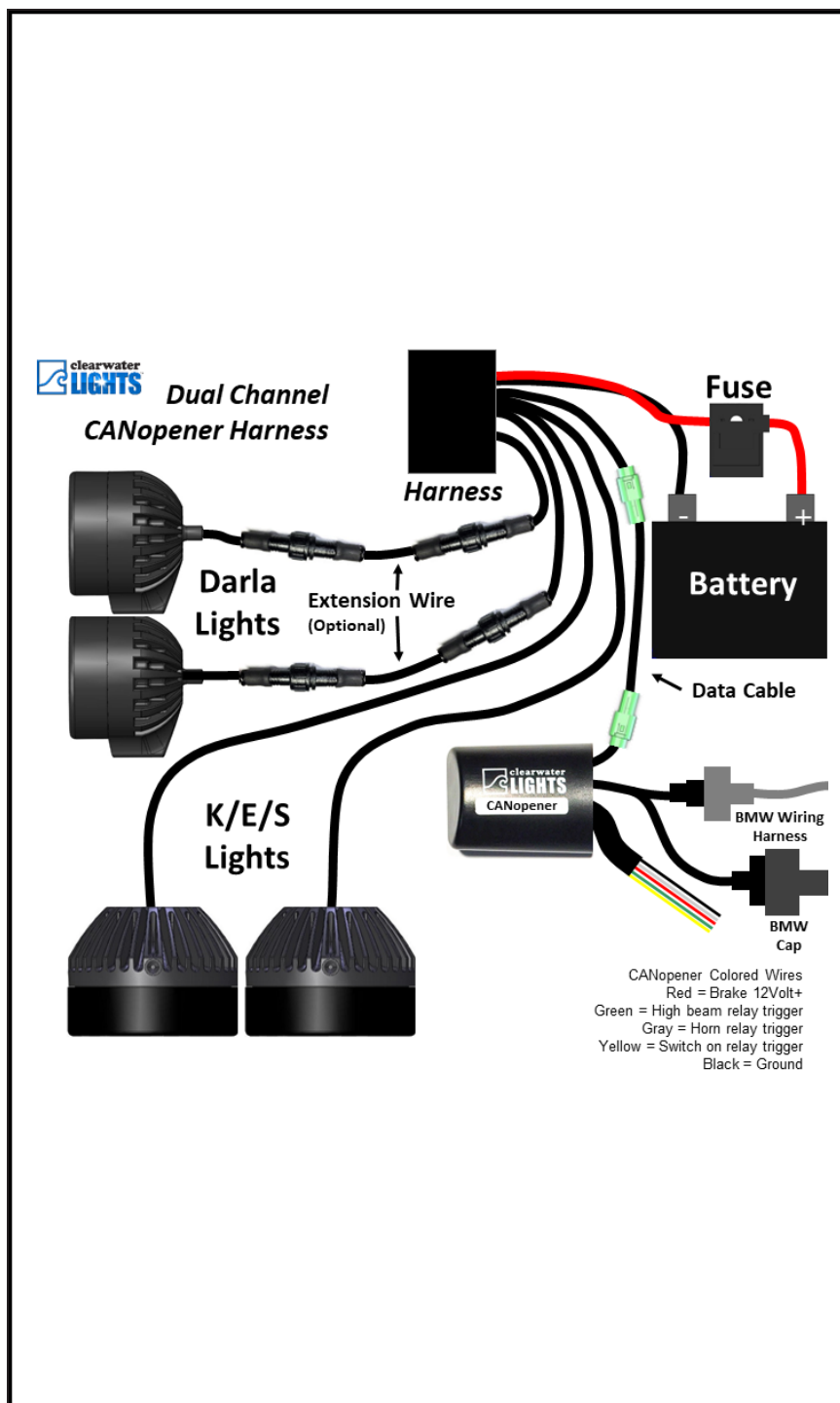
9. If you are doing a lightbar installation remove the screws underneath the plastic fairing shown below. The screws can be difficult to remove so its recommended to get a second person to hold the fairing for you, to allow more room to reach the bolts. There are two M5 torx and one M8 torx to remove (the circles are in approximate locations)



10. Shown below is an R1300GS. While the fairing are different the frame is the same so you can use this as a guide

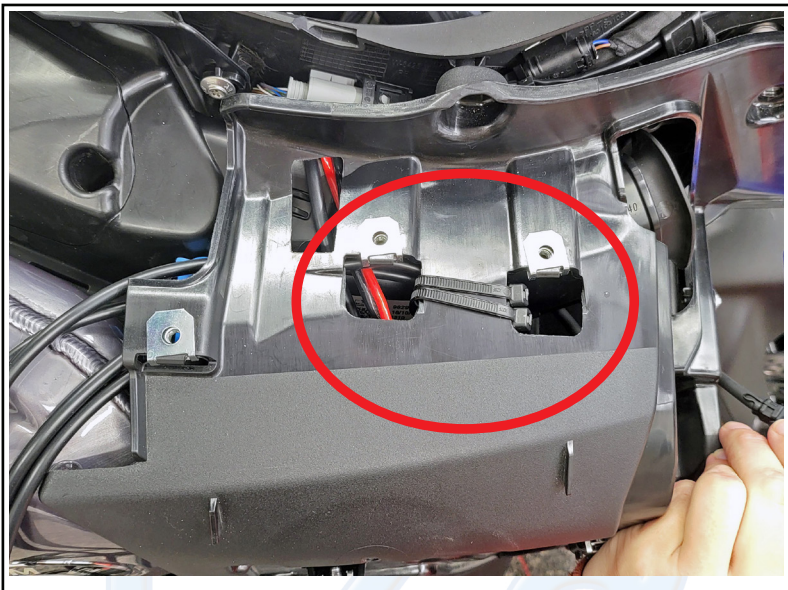


Wiring Diagram



Harness Installation

1. Install the harness in the location shown below. Pull back the panel to fit the harness underneath and then route the wires into the steering well



Route the wires

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 aswell (zip tie not included)

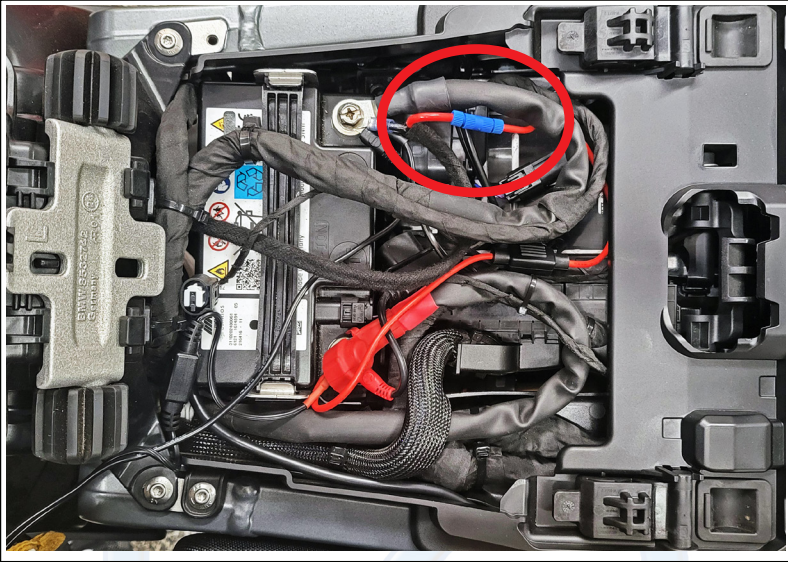


3. Route the wires along the frame as shown (this process can take some time as fishing the wire through can be difficult, **you don't need to take off the fuel tank**)

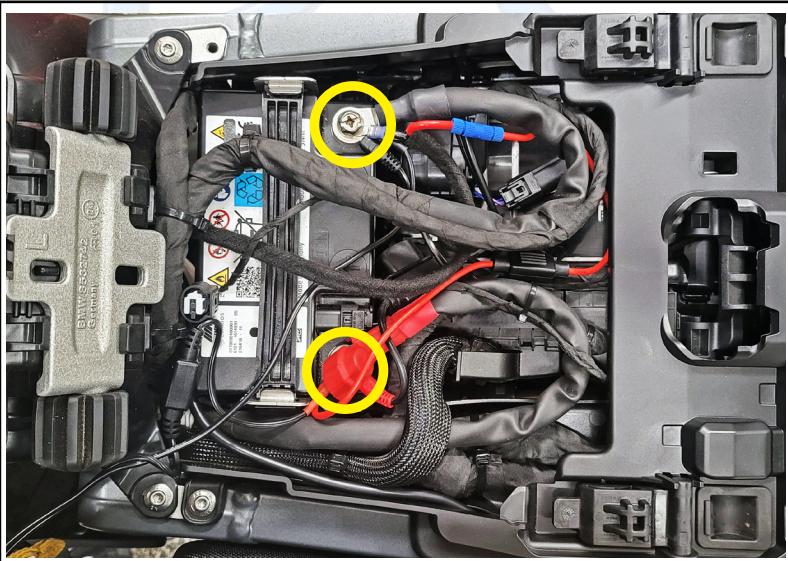


Route the wires

4. Attach the fuse to the red wire of the harness using the provided posi-lock



5. Attach the power wires to the positive and negative terminals making sure to **remove the negative first and then putting it back last**

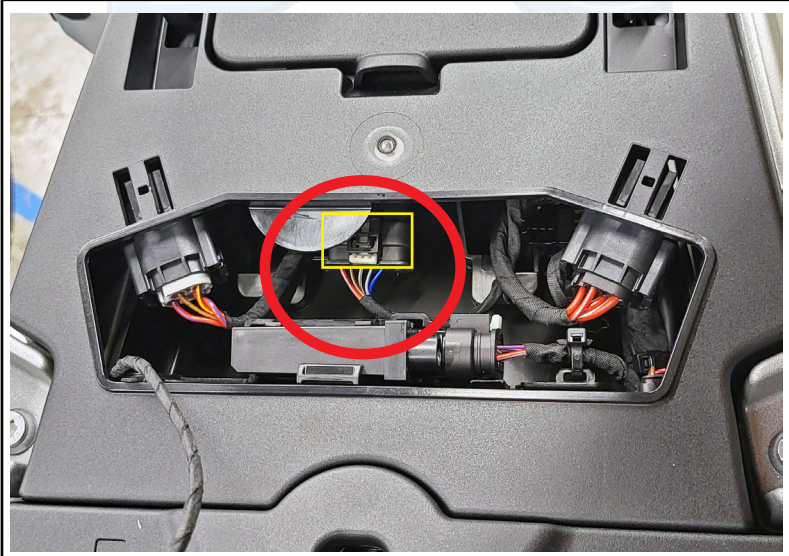


CANopener Installation

1. The connector for the CANopener is located underneath the back seat in this small compartment

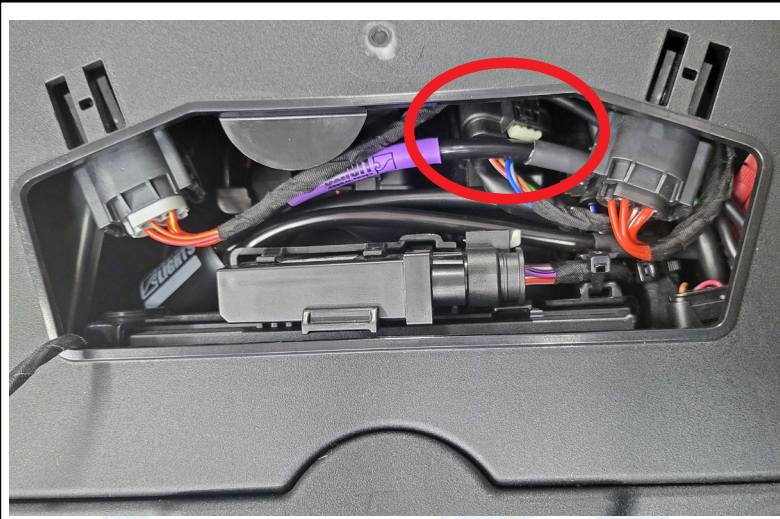


2. Remove this connector at the very back of the bike

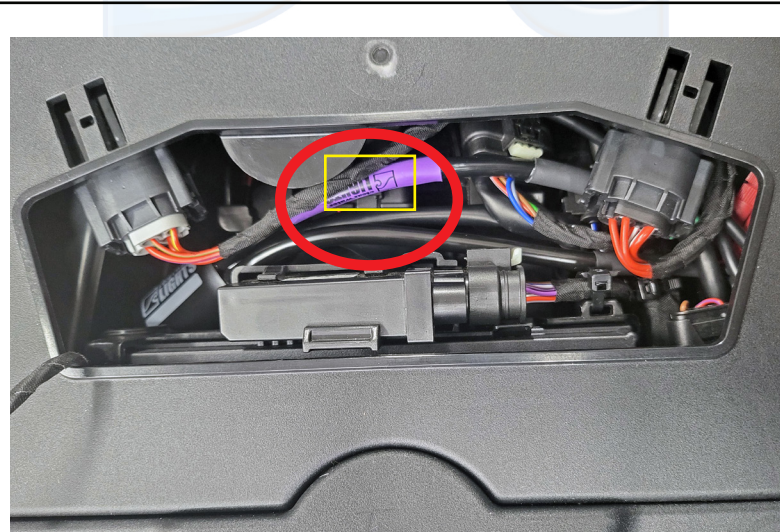


CANopener Installation

3. Plug the connector into our CANopener



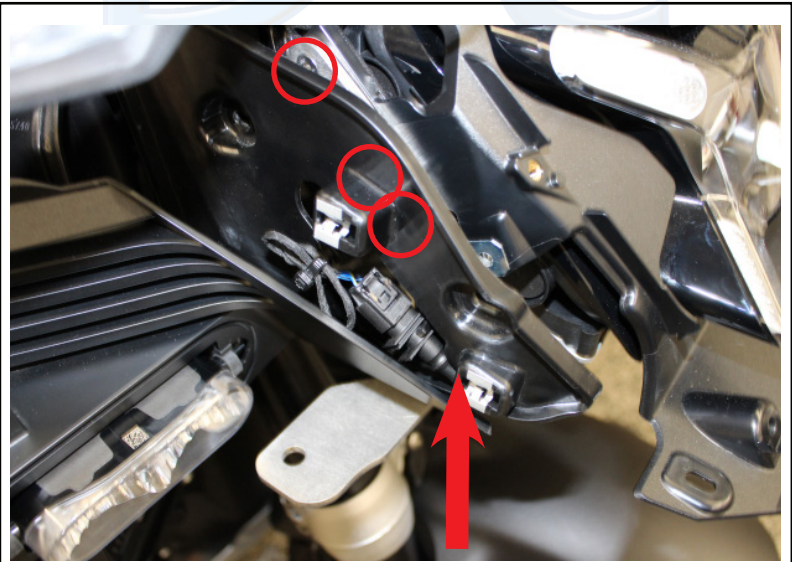
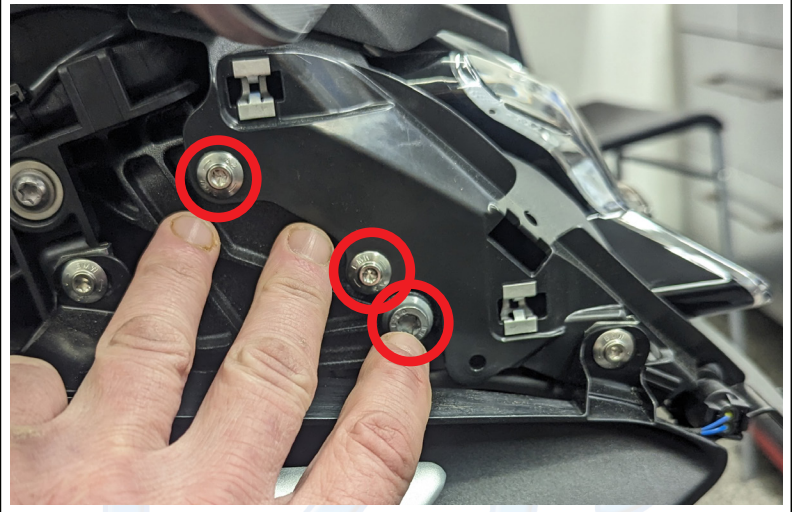
4. Plug the connector from the CANopener into the connector on the bike. Then, stick the the canopener onto the surface onto the left hand side and then tuck the wires in



Light Bar Installation

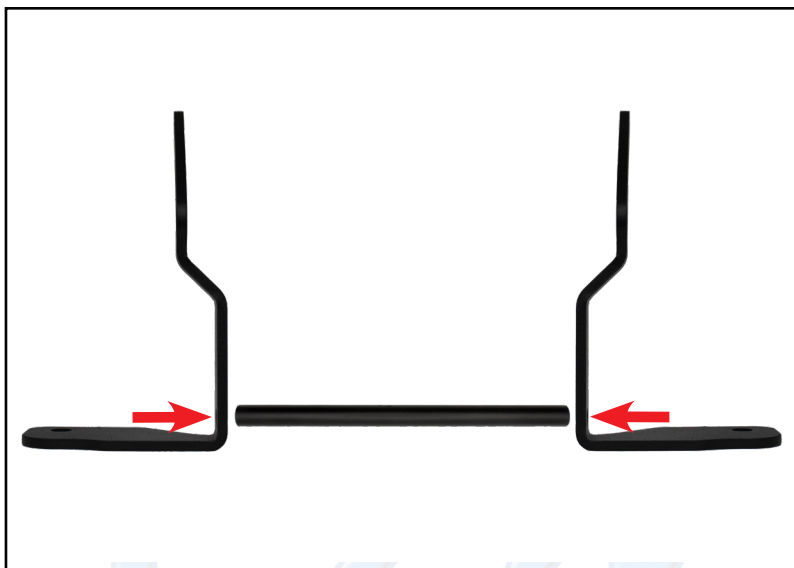
(skip forward for crash bar/fork installation)

1. Install the left and right brackets by inserting them from the bottom of the bike. On each side, you will use two of the provided M5x16 FH screws (four total) in place of the T25 screws that were removed before. Additionally, you will use one M8x35 FH screw on each side to secure the bracket. (note: image shown below is from an R1300GS for better clarity on where the factory bolts are located)



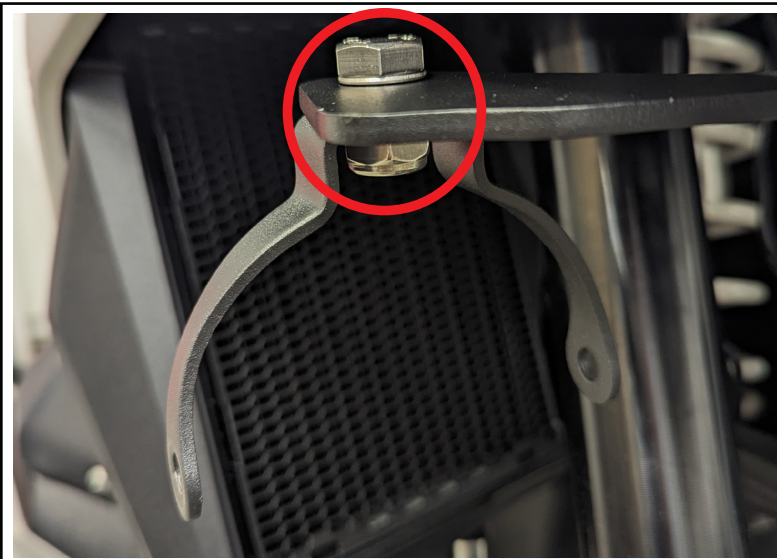
Light Bar Installation

2. Install the bar between the brackets using the M8x16 bolts supplied. Then go back and tighten the screws from the previous step



Light Bar Installation

3. Install the mod brackets on the left and right sides



4. Install the KES lights with the provided screws and washers



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.

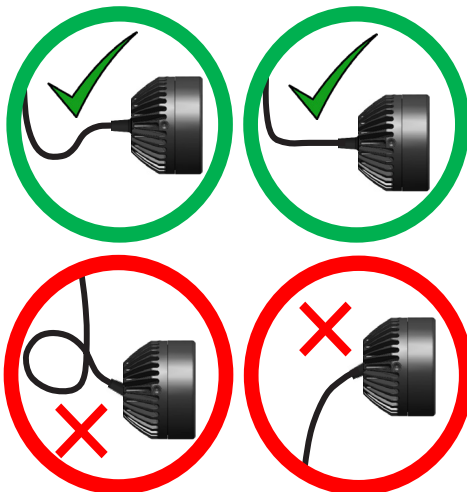
Passengers and luggage may alter the alignment of the light, so further adjustments may be needed. You may find that a slight downward angle (**5 degrees**) is helpful. Often times it is helpful to angle the right side light toward the right side of the road. This helps with identifying road terrain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



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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Revised 4/25/2025