



**clearwater**  
**LIGHTS™**



## Installation Manual

Honda Africa Twin (2016-2019)

Krista, Erica, Sevina LED Light Kit

Dimmable



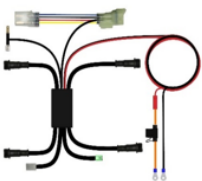
*Patent Pending*



Made in USA

# Parts List - Light Bar Mount

**Note: This kit is for Africa Twin models from 2016 to 2019. Africa Twins 2020 or newer must use a Universal Kit.**

<p><b>B7180 - HARDWARE BAG</b></p> <ul style="list-style-type: none"> <li>1 AT Light Bar Center</li> <li>1 AT Light Bar Brace</li> <li>1 AT Light Bar Right</li> <li>1 AT Light Bar Left</li> <li>2 M10 x 20 BH</li> <li>2 M10 washers</li> <li>2 M10 Nylock</li> <li>5 M8 Nylock</li> <li>4 M8 x 16 BH</li> <li>10 M8 Washer</li> <li>6 M6 Washer</li> <li>5 M8 x 25 BH</li> <li>6 M6 x 14 BH</li> <li>1 M8 x 100 HH</li> </ul>	<p><b>2 Mod Bracket</b></p> 	<p><b>B709 - KES AT HARNESS BAG</b></p> <p>1 Pot Assembly</p>  <ul style="list-style-type: none"> <li>1 M6 x 10 BH</li> <li>1 M5 x 30 SH</li> <li>1 L Bracket</li> <li>1 M5 Flat Washer</li> <li>1 Spacer #7</li> <li>1 Plastic Plug</li> </ul>	<p><b>AT KES Wiring Harness</b></p> 	<p><b>B841 - KES CONNECTION BAG</b></p> <ul style="list-style-type: none"> <li>3 Post Tap</li> <li>2 1" Zip Ties</li> <li>12 6" Zip Ties</li> <li>1 Ring Terminal</li> <li>1 Switch</li> <li>1 Zip Tie Pad</li> </ul>
--	--	--	--	---

**NOTE: For Africa Twins 2020 and beyond, use a Universal kit.**

Last updated: 1/9/23

# Parts List - Crash Bar Mount

**Note: This kit is for Africa Twin models from 2016 to 2019. Africa Twins 2020 or newer must use a Universal Kit.**

**B151 - HARDWARE BAG**

- 2 621 KES CB Bracket
- 2 M10 x 16 HH
- 2 M10 x 20 BH
- 4 M10 Lock Washers
- 4 M8 x 16 BH
- 4 M8 Washer

**B25 - HARDWARE BAG**

- 2 625 - Crash Bar Clamp - 25mm
- 4 M5x14 (Pre-installed)

Last updated: 1/9/23

**NOTE: For Africa Twins 2020 and beyond, use a Universal kit.**

- 2 Kristal/Erica/Sevina Lights
- 2 Mod Bracket

**B725 - KES AT HARNESS BAG**

AT KES Wiring Harness

**B841 - KES CONNECTION BAG**

- 3 Posi Tap
- 2 1' Zip Ties
- 12 6" Zip Ties
- 1 Ring Terminal
- 1 Switch
- 1 Zip Tie Pad

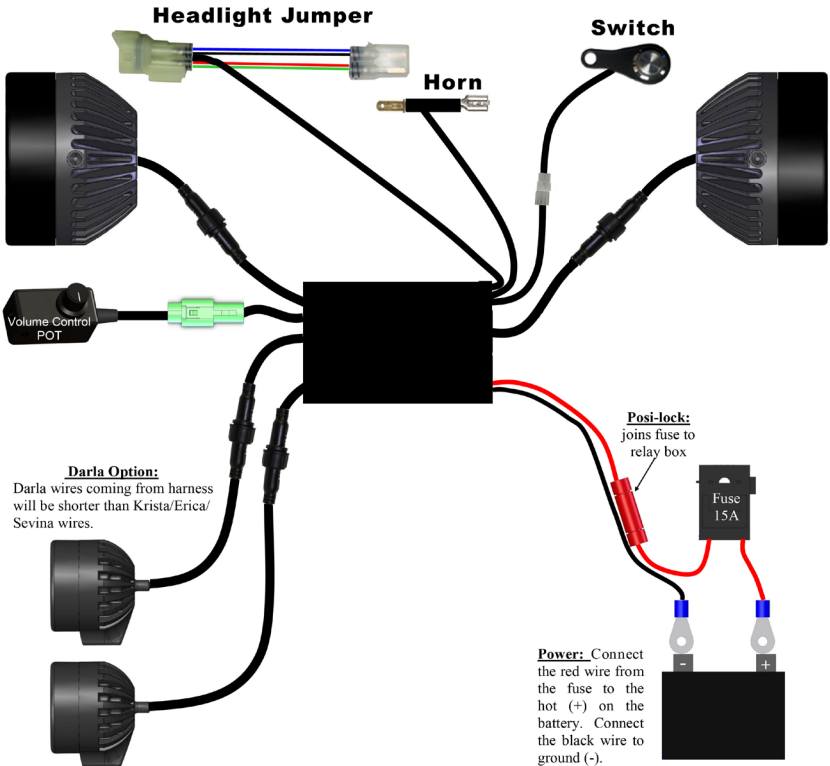
**B709 - POT HARDWARE BAG**

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

# Wiring Diagram

## HONDA AFRICA TWIN (2016-2019) Krista/Erica/Sevina Harness Diagram



**Note: This kit is for Africa Twin models from 2016 to 2019. Africa Twins 2020 or newer must use a Universal Kit.**

# Summary of Installation

*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.

Two Mounting Options: (1) Lightbar mount, (2) Crashbar mount

1) Lightbar Summary of Steps:

## Mounting The Lights (Part 1):

- Remove frame bolts
- Attach light brackets and lights
- Secure light wires

## Disassembly (Part 2):

- Remove battery cover. Disconnect battery terminals
- Remove windshield
- Remove side fairings
- Remove front headlight body cover
- Loosen headlight assembly

## Wiring (Part 3):

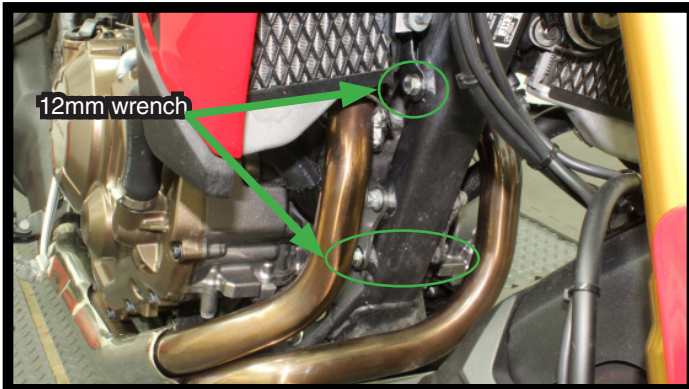
- Mount volume control knob & switch
- Mount relay harness
- Attach headlight jumper
- Route and connect light wires
- Connect horn
- Route relay power wires to battery
- Connect power wires to battery (with fuse removed)
- Connect fuse and test lights

### **\*\*NOTE\*\***

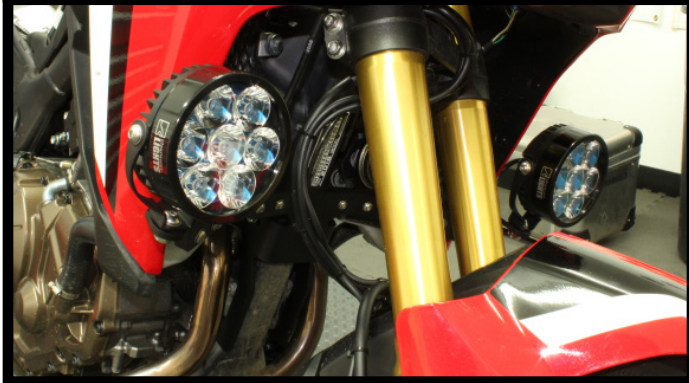
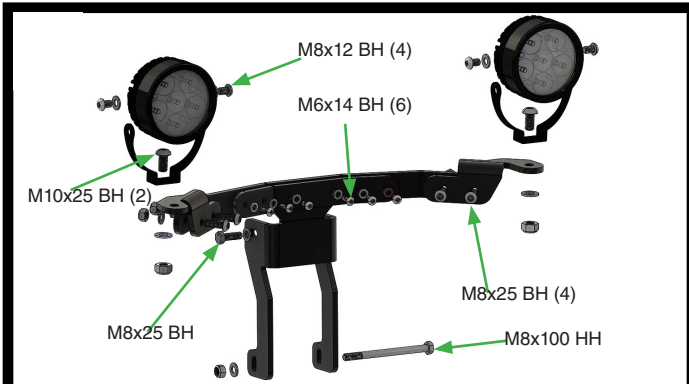
**This manual demonstrates fairing removal procedures for the left side of the bike. Similar procedures can be used on the right side.**

# Mounting The Lights

## Krista/Erica/Sevina Light Bracket Installation:



The light bracket will utilize the two bolt locations. Remove the two M8 bolts with a 12mm wrench.



# Mounting The Lights

## Krista/Erica/Sevina Crash Bar Installation:



Possible crash bar clamp configuration . Be sure lights don't protrude past the side of the crash bars. Ensure the lights can not hit the fender under suspension load.



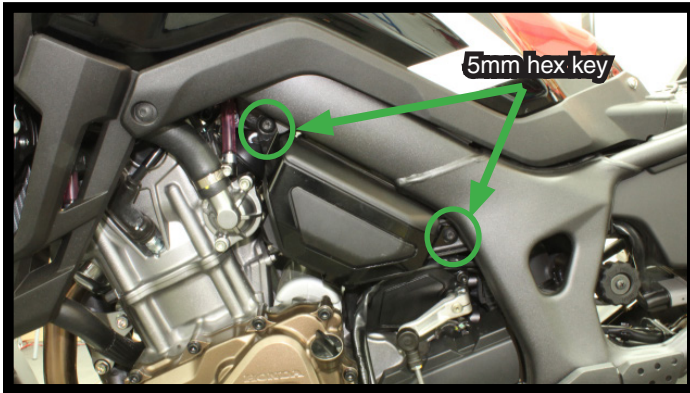
Using the provided zip ties, secure the lights wiring, taking care as not to route them such that they will interfere with the operation of the bikes steering or suspension. Allow slack in the light wire.

# Disassembly

## Note:

To access the battery and auxiliary port, a few panels will have to be removed. Take special care when removing fairings and coverings as many of them have tabs that can break with too much force. Also make sure to keep track of any bolts that are removed.

Pro Tip: Removal of crashbars may make disassembly of fairings and general installation easier.



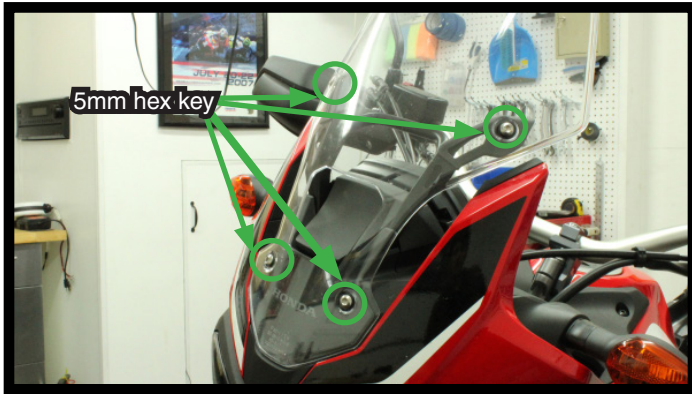
To access the battery, remove the two bolts holding down the tool kit container with a 5mm hex key.



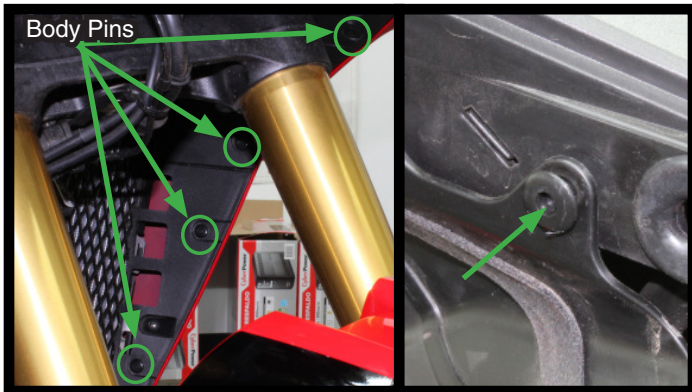
Lift the battery cover to expose battery terminals. Disconnect the negative terminal first, then positive terminal.



# Disassembly



Unscrew the (4) windshield bolts with a 5mm hex key, and carefully remove windshield from the bike. Adventure Sport model will have six bolts that need to be removed.

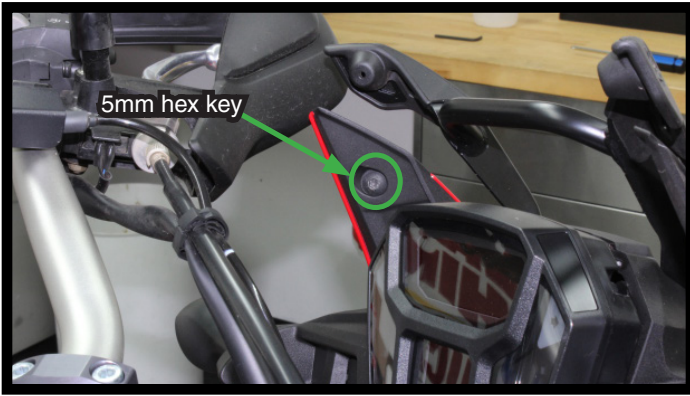


To remove the left side fairing, pull out the (4) body pins on the bottom inside lip of the bike. NOTE: To remove a body pin, push in center button of pin then pull out entire pin body.



Remove two side body bolts with a 5mm hex key. Adventure Sport Model body bolt location is different.

# Disassembly



Remove body bolt above the dash with a 5mm hex key.



Carefully pull out back end of fairing. Make sure to disconnect from rubber grommets.

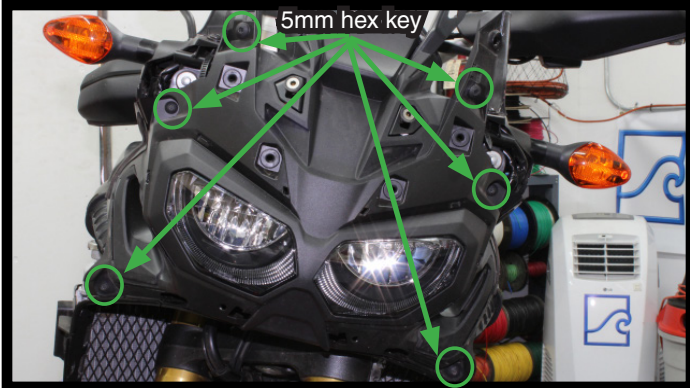


The tab on the top portion of the fairing must be carefully pushed down on, then pulled outward to disconnect from the body.

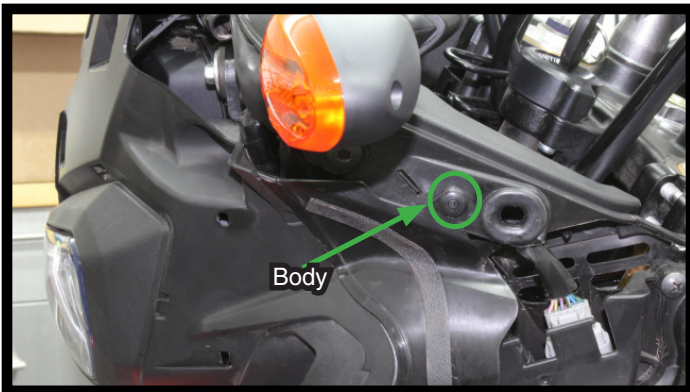
# Disassembly



With the back end of the fairing disconnected, the front of the fairing can be pulled forward and removed. Once the left side fairing is removed, the same process can be used to remove the right side.



With the under body exposed, a 5mm hex key can be used to remove the six bolts shown in.

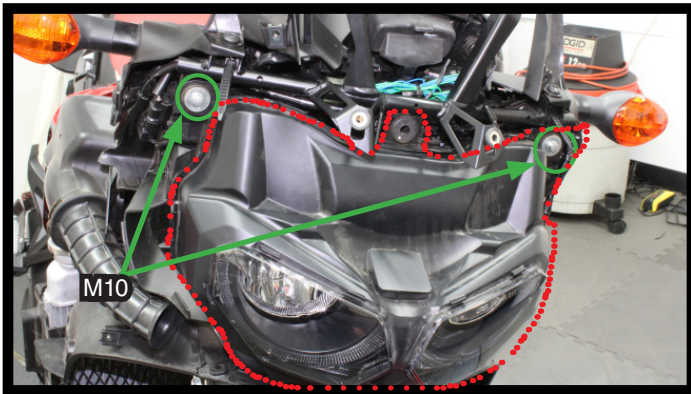


Remove the two side body pins that are also holding down the under-body.

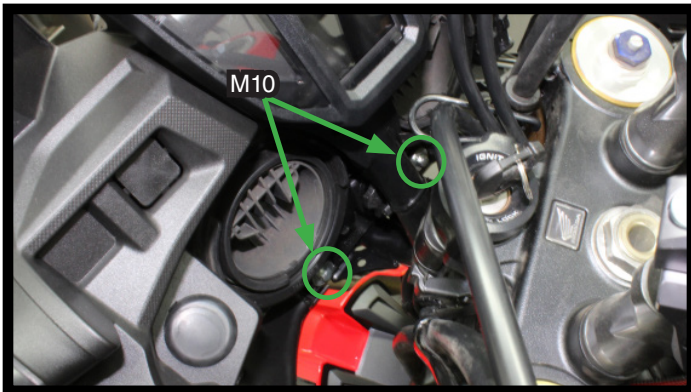
# Disassembly



With the (6) front body bolts, and 2 side body pins removed, the headlight assembly cover can be carefully pulled off.



While the headlight assembly seen in (Fig. R19) doesn't have to be completely removed, the bolts holding it down do. Remove the two M10 bolts.



Loosen the two M10 bolts on the back of the headlight assembly.

## Dimmer and Switch

Mount the Volume Control Knob and switch to the handlebar using the provided mounting hardware.

**NOTE:** Before proceeding with wiring the lights, take a moment to review the wiring diagram. Keep the diagram handy throughout the installation.

Route the Volume Control Knob and switch wires along existing wires, using the OEM wire clamps or Zip Ties to secure it. Connect to the Relay harness box.

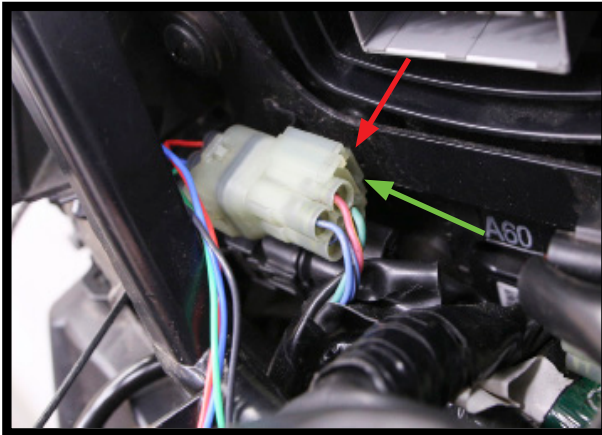


# Wiring

## Harness Installation - Wiring



Removal of the rubber boot and data cable will allow for the following steps to be easier and cable routing more accessible.

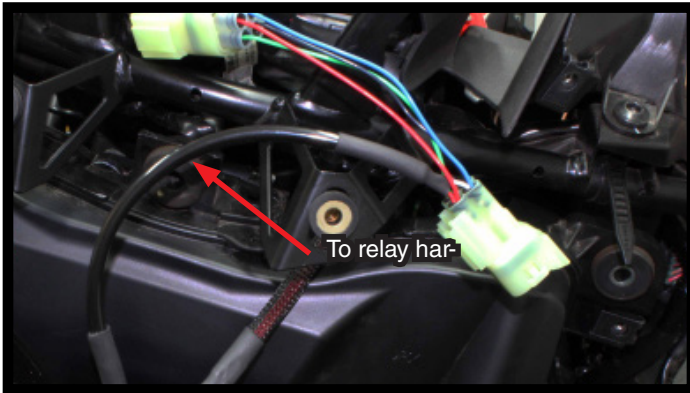


To remove the auxiliary plug, locate the tab as pointed out by the green arrow and place a small blade screwdriver in that slot. Apply a force in the direction of the red arrow. This will free the plug to be disconnected.

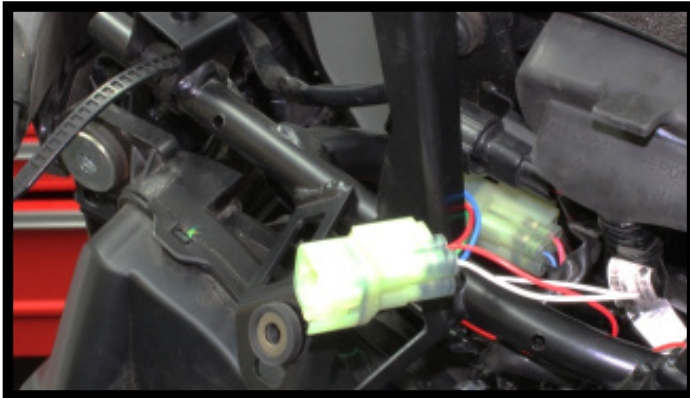
## Wiring



Remove the dummy cap from the auxiliary plug.

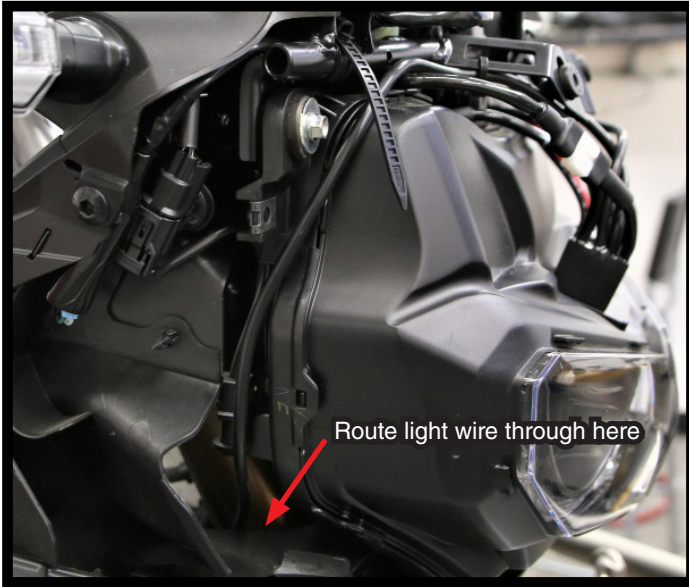


Plug the male end of the auxiliary port connector (connected to wiring harness) into the bike's exposed auxiliary plug.

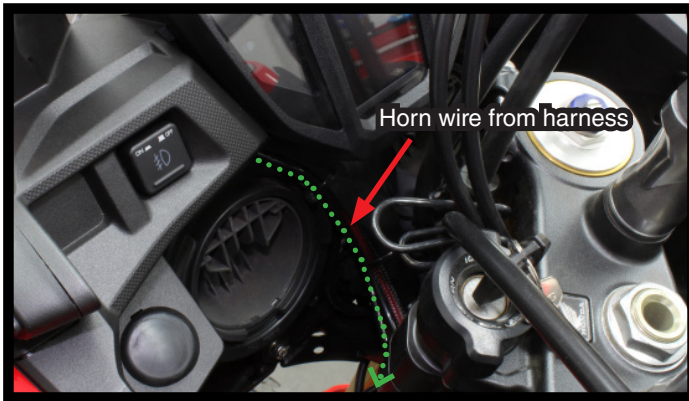


Reattach the bike's auxiliary plug to its original location. Tuck away other end of auxiliary plug. Be sure to reattach the dummy plug.

# Wiring



Route the light plug from the harness under the air inlet tube, and connect to the light. Route the cable from the light through the location seen in.



Route the horn spade connector from the wiring harness over the headlight assembly. Follow the bike's horn wire down to the horn itself.

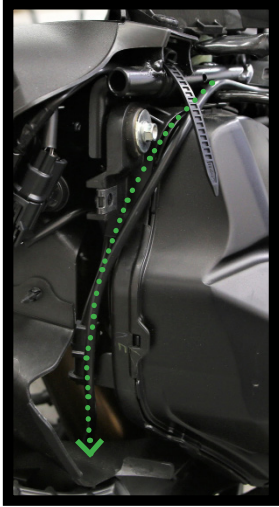
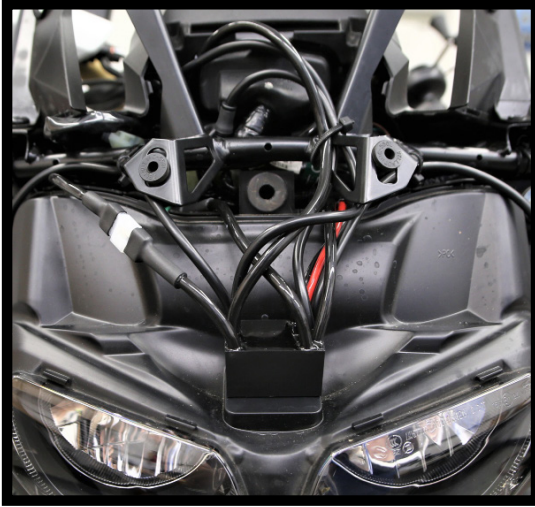




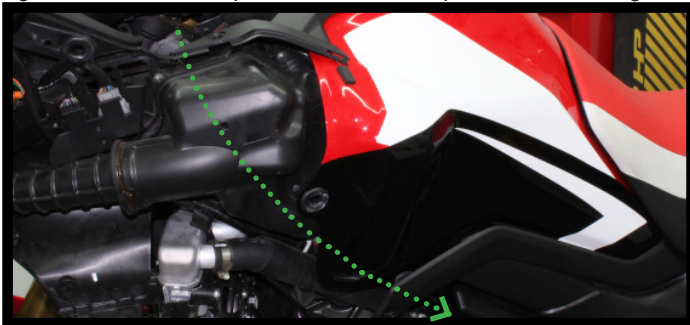
# Wiring

A properly wired harness should look like this. Mount the relay harness in this location. Zip tie the cables and harness box in place.

Wire path for light should follow the green dotted line below.

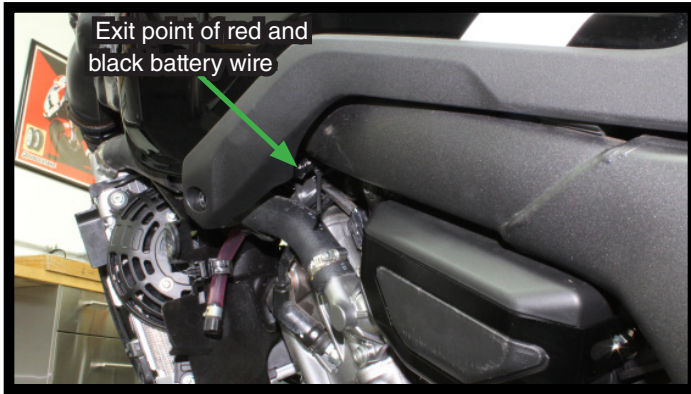


Follow existing cables with the power wire, and thread it under the gas tank. Use a wire pull tool to route the power cable through.

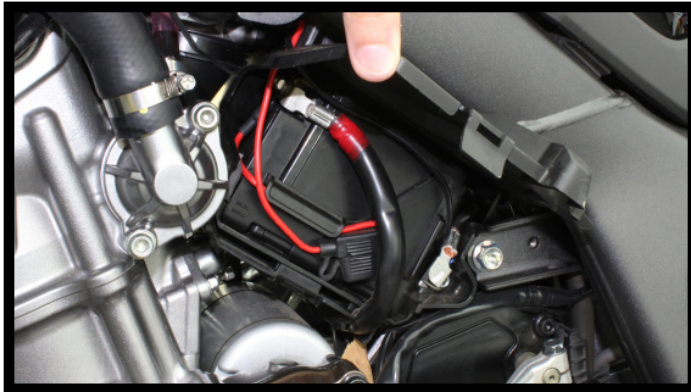


Path of wire will follow under the gas tank to reach the battery.

# Wiring



The red and black wire will exit from under the gas tank.

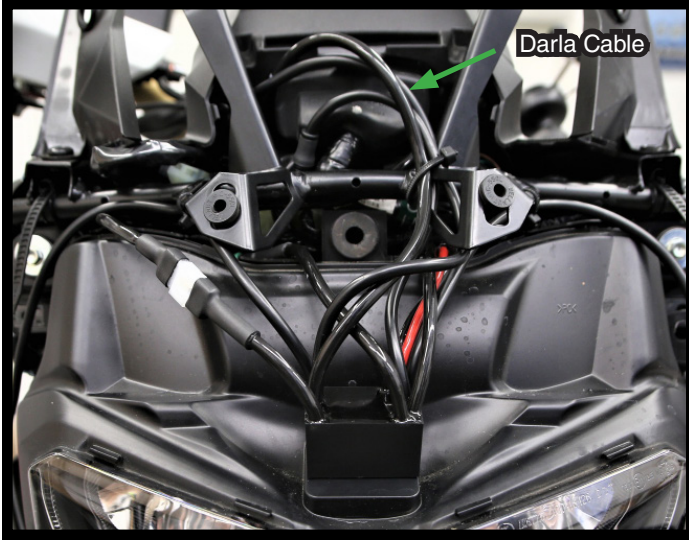


Remove fuse to prevent short, and reattach the fuse holder to the red wire. Attach the ring terminal at the other end of the fuse holder to the positive terminal of the battery. Attach the ring terminal at the end of the black wire to the negative terminal of the battery. Make sure negative terminal is reconnected last. Neatly tuck away and secure wires.

## Wiring Notes:

- 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.
- Reinstall fuse into the relay harness and start motorcycle to test lights. On low beam, you should be able to adjust the brightness with volume control knob. On high beam the lights should go to full bright.
- Be sure all wires are tucked out of the way, and secured where needed, with the included zip ties.
- Reinstall body panels in the opposite order they were removed.

## Darla Wiring (Optional)



If Darlas are installed with the wiring harness, the cable marked, "D" will be used to connect to the Darlas. Thread this cable over the top of the headlight assembly.

## Helpful Hints:

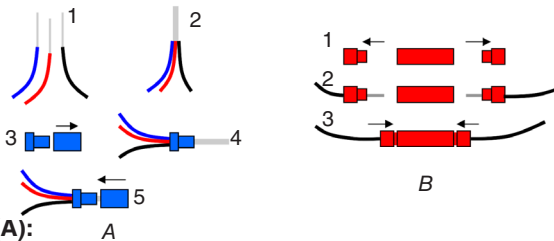
**Note: This kit is for Africa Twin models from 2016 to 2019. Africa Twins 2020 or newer must use a Universal Kit.**

### 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.



### Posi-Products Installation Instructions:



#### Posi-twist (A):

1. Strip all wires to be inserted 3/4".
- 2. Twist all wires together clockwise before inserting into the Posi-twist.**
3. Completely unscrew the top from the Posi-twist.
4. Feed the twisted wires through the bottom portion of the Posi-twist.
5. Attach the top and tighten, while ensuring the wires do not slip out of the bottom of the Posi-twist.

#### Posi-lock (B):

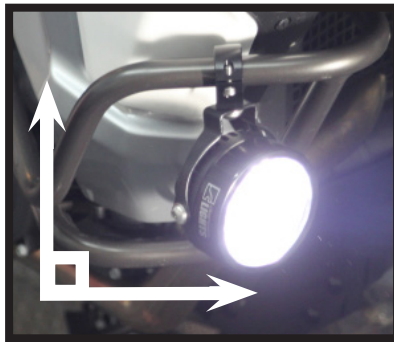
1. Remove both ends from the Posi-lock.
2. Strip wire 1/2" and insert into bottom portion of the Posi-lock.

# Alignment

## 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.



# 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.*



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

Revised 1/9/23