

Gonzo's Wiring Harness

This is a new motorcycle wiring harness that is designed to lay under the seat area and run up the frame and out the steering neck to power up auxillary light bar lights. It could be used to power up other accessories.

Additional lights can be an excessive drain on stock wiring harnesses that were not designed for the additional load. In some instances, these additional loads can cause catastrophic failures on stock harnesses and in particular starter switches. The starter switches on Honda brands in particular are known to fail from accessories wired to the headlight circuit. The starter button is part of the headlight circuit and passes current to the headlight when the button is not depressed. When depressed, the headlight goes out and the voltage is directed to a starter relay.

Relay

Frame Ground

Note: Switches can be added by splicing them into the ground circuit to give a rider total control of when the lights are used. Disabling the ground to the relay through a switch stops the relay from working and eliminates the possibility of shorting an exposed hot wire running around the frame and tank. I have mounted switches on the steering neck covers and side covers.

Fuse

Battery Positive (+)

Additional loads on the headlight circuit cause excessive current through the starter button contacts which causes heat build that melts the plastic holding these contacts in place. Eventually the switch will be compromised and leave a rider stranded.

Best to remove the tank and seat to get it dressed in but not really necessary to remove the tank. All wire ends are marked on electrical tape that should be removed as it is installed.

The headlight trigger wire hooked to the stock harness draws minimal current to trip the relay so it will pass the battery voltage to the lights, saving your harness and starter switch. When the headlight goes out while cranking the engine, the auxillary lights will go out as well.

Blue Wire Tap - Slip over trigger wire and trigger source and crimp. Trigger source for Honda as follows:

Headlight **Blue Wire** - If wanting to run the lightbar on high beams only.

Headlight **White Wire** - If wanting to run lightbar on low beams only. Preferred, this is when you need them most.

Running lights - If wanting the light bar to be on at all times the key is on, the trigger can be sourced from the running light circuit. It is recommended to splice a switch on the ground wire to provide a user over-ride in case rider needs to save power.

Female Bullet Connectors for lights. Most lights come equipped with male bullet style connectors.

Extra sleeves provided for dressing up the wires that come from the light. Just slide them over the connectors and wires and heat the black shrink tube ends to secure.

Be careful not to burn the braided sleeves if using a lighter.

If your auxillary lights come with two wires (Hot and GND) connect the ground wire to the base mount of the light and the hot wire to my harness.

