

3Built LLC Tech Brief

Alternative Method if Wiring Diagram is not Available

PLEASE READ THE *INSTALLATION INSTRUCTIONS* AND *THE END USER AGREEMENT* BEFORE PROCEEDING.

USE ONLY AT YOUR OWN RISK

This is an alternative method to obtaining the proper wiring diagrams for your vehicle. This tech brief may not apply to all vehicles. Use at your own discretion and risk. As an alternative, you can disassemble your factory Off/Run switch to determine the correct wires. Please be aware that you may damage your switch or other components. We cannot be held responsible for any damage that may occur.

- 1) Disassemble the switch so that you can see the wire colors and the contact points. The switch will have two contact points.
- 2) Move the switch slider so the two contact points are connected to each other and then note the switch position.
- 3) If the two contact points are connected and the switch is in the OFF position then the motorcycle has a NORMALLY OPEN switch in the Run position. Use the RESxxx, Blue and Green wires.
- 4) If the two contact points are connected and the switch is in the RUN position then the motorcycle has a NORMALLY CLOSED switch in the Run position. Use the RESxxx, Blue and Yellow wires.

NORMALLY OPEN Connection

- 1) Use a multimeter (ie. [Radio Shack 22-811](#)) set on Continuity.
- 2) Attach the black probe to the vehicles ground.
- 3) Set the Off/Run switch to RUN. Switch contacts not connected.
- 4) Touch the red probe to both contacts on the switch and note which wire has continuity. Shown by SHORT on the meter and a beeping sound.
- 5) Attach the RESxxx Green wire to the vehicles ground.
- 6) Attach the RESxxx Blue wire to the wire on the switch that DOES NOT have continuity using the crimp on wire tap.
- 7) The crimp can be put anywhere on the wire that is convenient.
- 8) Follow the rest of the Installation Instructions

NORMALLY CLOSED Connection

- 1) Use a multimeter (ie. [Radio Shack 22-811](#)) set on Voltage.
- 2) Attach the black probe to the vehicles ground.
- 3) Set the Off/Run switch to OFF. Switch contacts not connected.
- 4) Touch the red probe to both contacts on the switch and note which wire has voltage. If neither have voltage, you will need to obtain a wiring diagram.
- 5) Cut the wire that had voltage in the previous step.
- 6) Attach the RESxxx Yellow wire to one the ends of the cut wire in the previous step using the crimp on bullet connector.
- 7) Attach the RESxxx Blue wire to the other end of the cut wire in Step 5 using the crimp on bullet connector.
- 8) Follow the rest of the Installation Instructions