

# RYO Wiring Harness Installation

## PKT-102



### Introduction:

Made in USA

This easy to install, high quality, Powerlet™ kit provides a convenient way to quickly wire a power outlet. Additionally this kit was designed to work in combination with the Powerlet PSO-007, PSO-008, ASO-002 sockets and all Heli outlet kits. The operator can supply power to the battery (i.e. battery charger), draw power from the battery (i.e. heated vest), or monitor the state of charge on the battery using a Powerlet socket.

### Parts List:

- 1 - 60" Wiring Harness
- 1 - 15 A Fuse
- Ty-wrap(s)

**Please read all of the instructions carefully before attempting the installation of this product. Please have a trained professional install this kit if you are unfamiliar with these procedures.**

### Quick Start Instruction:

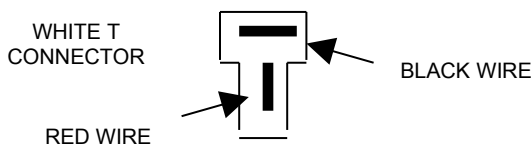
1. Remove panels or seat to expose the battery.
2. Route wires starting at the battery and finishing at the socket.
3. Attach the wires to the socket.
4. Attach the wires to the battery.
5. Plug in the white T and review.
6. Put everything you took off back on.

### Detailed Instruction:

**STEP #1** – Expose the battery, see the owners manual.

**STEP #2** – Stretch out the wiring harness. Starting at the battery route the wiring harness following a stock wiring harness where possible. Cut off the excess harness at the end where the socket will be connected.

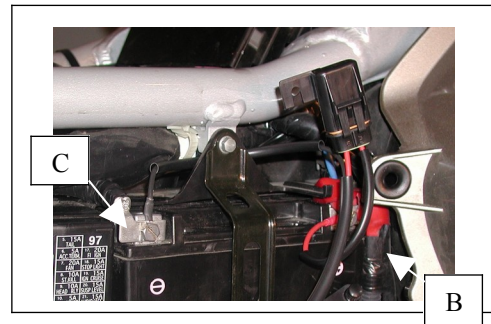
**STEP #3** – The parts referenced in STEP #3 are supplied with the PSO-007, PSO-008, ASO-002 or Heli-Powerlet socket kits. Slip on the rubber boot and install the white “T” connector as shown. The BLACK wire goes in the top bar of the “T” and the RED wire goes in the vertical bar of the “T”. See the drawing below.



**STEP #4** – Next remove the negative battery connection, followed by the positive battery connection. Slip the red wire under the red battery boot [B]. You may need to trim the red boot to accommodate the added wire. Connect the red wire to the battery posts as follows:

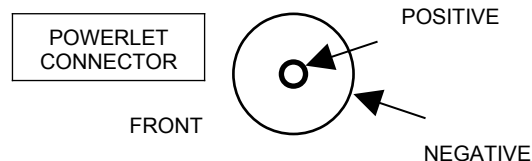
**RED WIRE = BATTERY POSITIVE**

Tuck the fuse holder into any cavity near the plus terminal of the battery. Ty-wrap the fuse holder to the nearby wiring. Connect the black ground wire to the negative battery terminal [C].



(Photo shown is of a Yamaha R1 for illustration)

**STEP #5** – Plug the white “T” connectors together. Install the fuse in the fuse-holder. Just like a cigarette socket, the center terminal on a Powerlet socket is plus and the outer ring is negative (see dwg below). Use a voltmeter to check if the polarity is correct.



Apply the remaining ty-wrap to the wiring harness and the existing wiring harness. **Do NOT allow the harness to directly contact the motor or exhaust.**

**STEP #6** – Replace the panel and the seat. Enjoy!