

# MultiFit Low Profile Kit Installation

PKT-046

12" 24"



## Introduction:

This easy to install, high quality, Powerlet™ kit provides a convenient way to access the battery on many motorcycles. 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 the Powerlet socket.

Made in USA

## Parts List:

- 1 - Wiring harness w/ 15A fuse
- 1 - Powerlet socket
- Ty-wrap(s)

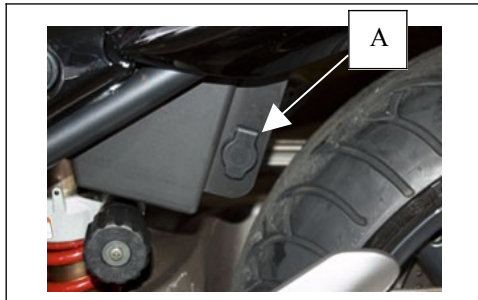
Please read all of the instructions carefully before attempting the installation of this product. Please have a trained professional install this kit if you are unfamiliar with these procedures.

## Quick Start Instruction:

- STEP #1 Remove panel & seat.
- STEP #2 Mount the socket.
- STEP #3 Route wires starting at the battery and finishing at the bracket.
- STEP #4 Attach the wires to the socket and test.
- STEP #5 Look over your work.
- STEP #6 Put everything you took off back on.

## Detailed Instruction:

STEP #1 – Remove the seat, exposing the battery.

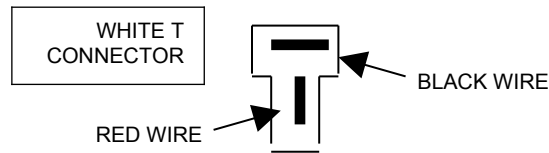


(Photo shown is of a Moto Guzzi Breva 750)

STEP #2 – Locate a suitable place on the panel to drill a 18mm hole [A] (11/16" hole saw recommended and is available from Powerlet). Watch the clearance behind the panel. The required clearance behind the panel is approx 1". Use a flat spot on the panel. If the hole is too small for the socket open it with emery cloth or a file.

Attach the socket to the panel by slipping the rubber washer onto the socket first, then passing the wire through the hole in the panel (see the stack-up drawing included with the socket). Next slip on the thin silver washer and thread on the jam nut. You can use a dab of silicone on the jam nut; **do NOT use Loctite; this can cause the panel to deteriorate.** Finally, slip on the right angle rubber boot and install the white "T" connector.

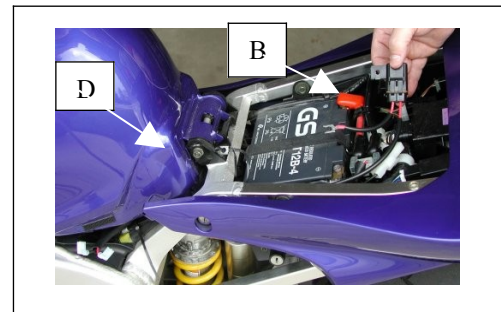
The BLACK wire goes in the top bar of the "T" and the RED wire goes in the vertical bar of the "T". See the drawing below.



STEP #3 – Stretch out the wiring harness. Grab the socket end of the harness and start routing the wiring harness; follow a stock wiring harness where possible. 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:

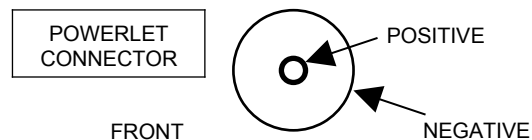
RED WIRE = BATTERY POSITIVE

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 any frame member such as the gas tank hinge bolt [D]. If this is not possible attach the black wire to the negative battery terminal.



(Photo shown is of a Yamaha R1)

STEP #3 – 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.



STEP #5 – 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!