Powerlet™
Power Outlet Plugs and Sockets

POWERLET™ Installation Instructions
PKT-003-24 Brutus Kit

Introduction: Made in USA

This high quality, POWERLET™ MultiFit kit provides an easy way to connect a Powerlet socket (BMW type) to almost any motorcycle. The kit is simple to install. 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.

Required Tools:
1 Screw driver or socket to loosen battery terminals.

Parts List:
1. Pre-built wiring harness with ATO Waterproof Fuse-holder
2. 15A ATO fuse
3. Clip to hold socket
4. (3) Ty-Wraps

Please read all of the instructions carefully before attempting the construction of this harness. Please have a trained professional install this kit if you are not familiar with these procedures.

Quick Start Instruction:

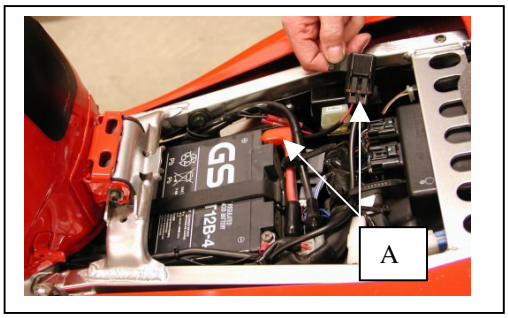
STEP #1 Locate a suitable place to mount the socket.
STEP #2 Locate a suitable place for the fuse-holder, close to the battery.
STEP #3 Determine the best wire route from the battery to the socket.
STEP #4 Install & Test.

Detailed Instruction:

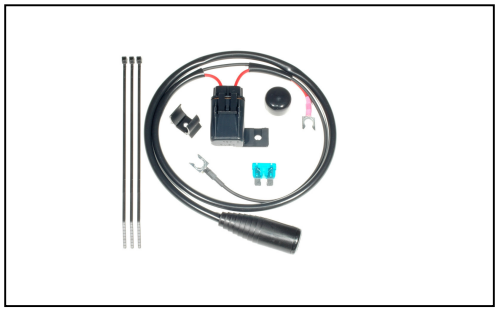
STEP #1 – Remove any necessary fairings to access the battery. Determine a suitable location for the socket. A plastic clip is supplied that can be used to hold the socket. This clip can be mounted in a hidden location so the socket could be accessed only when needed. Remove any necessary bodywork between the battery and final socket location. The socket can be mounted anywhere. *__CAUTION__* When mounting on or near handlebars be sure the cable does not interfere with the turning of the vehicle. For example, ty-wrap the cable to the stock handlebar wiring, brake or clutch lines.

STEP #2 – Look for an accessible location for the fuse-holder [A]. Keep in mind you may need to change a fuse while touring. The fuse-holder also needs to be close to the battery. The wire from the battery to the fuse-holder should not cross any chassis components (so the wire cannot "wear" and short the battery to ground) [A].

STEP #3 – Select a route for the harness. Follow stock wiring harnesses where possible. Do not allow the harness to contact the motor or exhaust.



STEP #4 – Connect the terminals as follows:
RED WIRE = BATTERY POSITIVE
BLK WIRE = BATTERY NEGATIVE
Apply either dielectric grease or Vaseline to the terminals. The center terminal is plus and the outer ring is negative (see dwg below). Install the fuse in the fuse-holder. Apply the ty-wraps to the wiring harness. Use a voltmeter to check if the polarity is correct. Enjoy!



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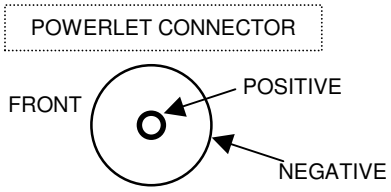

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