

Introduction:

Made in USA

This easy to install, high quality, **POWERLET™** kit provides a convenient way to access the battery on Yamaha R6 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.

Parts List:

1. 1 – Wiring harness w/15A fuse
2. 1 – Mounting bracket w/socket
3. 1 – 1/8" Spacer
4. 2 – Ty-wraps

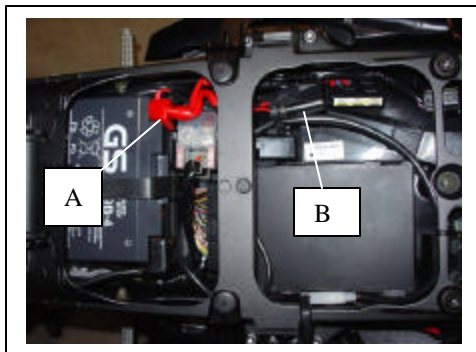
Please read all of the instructions carefully before attempting the installation of this product. Please have a trained professional install this kit if you are not familiar with these procedures.

Quick Start Instruction:

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

Detailed Instruction:

STEP #1 – Remove the seat. See the Yamaha service manual.

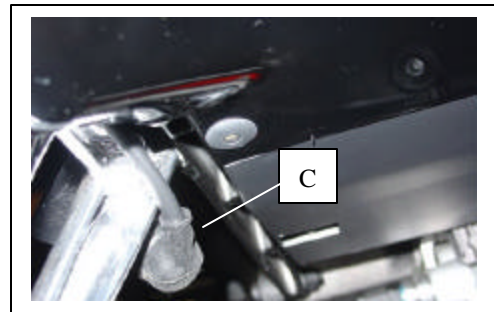


STEP #2 – Stretch out the wiring harness. Grab the white connector end of the harness and start routing the harness by looping the wires down through the gap between the frame member and the battery compartment plastic. Next remove the negative battery connection, followed by the positive battery connection. Slip the red wire under the red battery boot[A]. You may need to trim the red boot to accommodate the added wire. Connect the red & black wire as follows:

RED WIRE = BATTERY POSITIVE

BLACK WIRE = CHASSIS GROUND

Tuck the fuse holder into a cavity in front of the plus terminal of the battery [B]. Ty-wrap the fuse-holder to the nearby wiring.



STEP #3 – Attach the bracket to the front rearset-mounting lug. The wiring coming from the socket should route towards the rear of the bike[C]. The rearset needs to be removed completely. The supplied spacer must be placed in the rear to maintain proper alignment. Reinstall the rearset with the bracket & spacer sandwiched between the rearset & the frame. Re-use the stock bolts.



STEP #4 – Attach the white connectors from the harness to the white connector on the bracket. Install the fuse in the fuse-holder. The center terminal is plus and the outer ring is negative. Apply either dielectric grease or Vaseline to the terminals. Connect the red wire to the positive terminal & the black wire to the negative terminal. Use a voltmeter to check if the polarity is correct.

STEP #5 – Apply the remaining ty-wrap to the wiring harness and the lower frame rail. **Do NOT allow the harness to directly contact the motor or exhaust.**

STEP #6 – Replace the seat. Enjoy!