

**Introduction:**

Made in USA

This easy to install, high quality, **POWERLET™** kit provides a convenient way to access the battery on 2002 Honda VFR 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.

**A BIG THANKS to Neal Ulen at Sport-Touring.Net for all of his many contributions to this kit. Visit his web site for a more complete write up.**

**Parts List:**

1. 1 - Wiring harness w/ 15A fuse
2. 1 - Powerlet socket
3. 3 - Ty-wraps

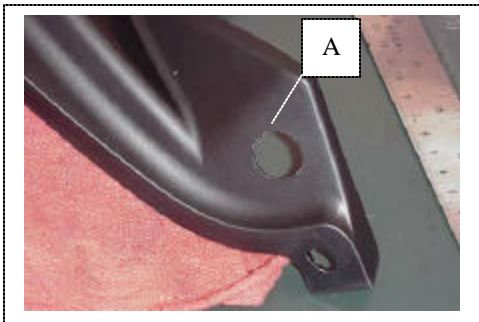
**Please read all of the instructions carefully before attempting the installation of this product. Please have a trained professional install this kit if you are unfamiliar with these procedures.**

**Quick Start Instruction:**

- STEP #1** Remove the left side 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 every thing you took off back on.

**Detailed Instruction:**

**STEP #1** - Remove the seat & the left side fairing. See the Honda service manual.



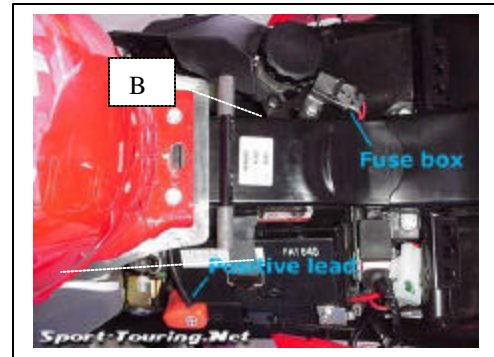
**STEP #2** - Drill a 18mm hole into the panel (**11/16" hole saw recommended and is available on our site**) where shown [A]. Watch the clearance behind the panel; make sure the socket has room. The socket must not be tight in the hole. Open the hole with emery cloth or a file.

NOTE: Bikes equipped with ABS may need to have the socket moved onto the "sloped" area of the panel. Attach the socket to the panel; use a dab of Silicone on the socket and jam nut.

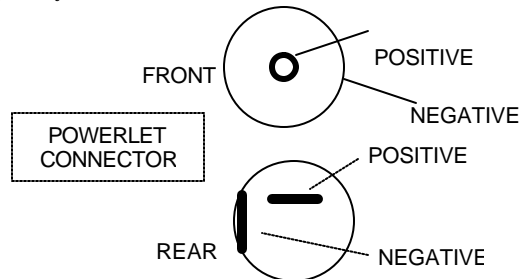
**Important: Do NOT use Loctite or over-tighten.**

**STEP #3** - Next pull off the left side coolant overflow tank for easier wire routing. Route the harness up on the inside of the frame piggyback with the stock wire bundle. Use wire ties to secure it from touching the engine. Up near the socket mounting location attach the ground lead to a bolt that holds a couple brackets to the frame [C]. Mount the fuse-holder to the bolt in the location shown. [B]. Connect the red wire to the battery posts as follows:

**RED WIRE = BATTERY POSITIVE**



**STEP #4** - Install the fuse in the fuse-holder. The center terminal is plus and the outer ring is negative (see dwg below). Apply either dielectric grease or Vaseline to terminals. Connect the red wire to the POSITIVE terminal and 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 existing wiring harness [B]. **Do NOT allow the harness to directly contact the motor or exhaust.**

