Tank Storage Bag Kit Installation
PTB-004

Introduction: Made in USA

This high quality, Powerlet™ Tank Bag Kit provides an easy, water-resistant way to power electronics in a motorcycle tank bag (or other luggage). The operator can use this kit to power cell phones, radar detectors, GPS units music systems, etc.

Required Tools:

- Knife blade (Exact-o knife is perfect)
- Small nail
- Screwdriver, pliers and a small wrench

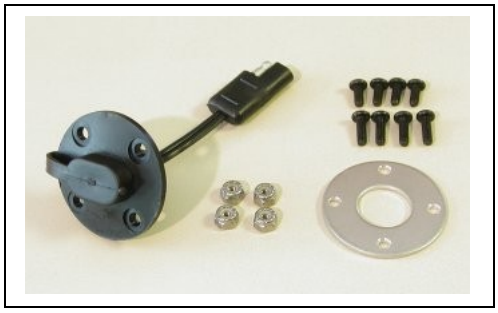
Parts List:

- 1 - Connector
- 1 - Backing Plate
- 4 - Screws, Black Stainless #8-32 x ½"
- 4 - Screws, Black Stainless #8-32 x 5/8"
- 4 - Nuts, Ny-Lock #8-32
- 1 - SAE/SAE & Cigar "Y"
- 1 - 48" Battery Lead

Please read all of the instructions carefully before attempting the construction of this harness.

Quick Start Instruction:

Locate a suitable place on the storage unit (tank bag) to mount the connector.
Using the backing plate as a guide mark the center hole & 4 mounting holes.
Use either a soldering iron or a hot knife & hot nail cut the holes.
Install.
Test.



Detailed Instruction:

STEP #1 – Determine a suitable location for the connector. If you mount it on the side closest to the rider this may interfere with leaning against the bag while riding. Also think about where you will draw power from, the left, right or front of the bike.

STEP #2 – Using the backing plate as a template, mark largest hole on the tank bag (or other storage unit) with a visible marker. We used a paint pen [A].

STEP #3 – Use either a soldering iron with a thin narrow tip or a hot knife & nail to cut the holes. Either will make the holes easily. The hot knife-edge (or iron) will cauterize the nylon, keeping it from fraying years later.

Soldering Iron – Pierce through the material and follow the outline of the large hole, letting the iron melt the material. Check the fit of the connector (large hole). Leave the connector in place & use the soldering iron tip to pierce the four holes.

Hot Knife – If you don't own a soldering iron, heat up a knife blade using the stove or a propane torch. When the edge is red hot cut through the material [B] & form the largest hole. Leave the connector in place & holding a hot nail with pliers pierce the four holes. The nail does not need to be the exact size; moving it around (while it is hot) will open the hole to any size larger than the nail.

STEP #4 – Make sure the screws pass through the four small holes. Remove the connector and apply a small amount of automotive weather strip sealant to the back of the connector flange. Install the connector, line up the four mounting holes & push the four screws through. Install the backing plate on the inside of the bag, along with the four nuts. Do not over-tighten this distorts the rubber flange; the NY-LOCK nut will keep the screw secure.

STEP #5 – Use a voltmeter to check if the polarity is correct. Plug in the unit. Measure the terminals inside the bag; the exposed (male) pin should be ground. The female pin is +12V. Enjoy!

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