



## Installation Instructions

p/n 07660, 02/25/16, version 6

## Isolator

This sheet must be read completely to:

1. Provide assistance/clarification to the installer.
2. Avoid causing injury to installer, customer, end user, or others.
3. Prevent damage to vehicle and/or accessory.
4. Prevent death to customer or other vehicle operators.

Installer: Please forward this sheet to the customer after reviewing it.

It is virtually impossible for us to be able to address every possible situation an installer or user will encounter. This requires both to exercise due diligence and to apply some level of common sense. If you have any question or problem during the installation, please contact us as necessary. Read the instructions completely prior to installation. 90% of questions we receive could be answered simply by reading the instructions in their entirety. Phone support will always provide the quickest response.

Important Information in our instructions will be provided in the following manner:

SHOP TIP: this is information we have gathered from hands-on installs or customer feedback.

NOTE: important information regarding the installation.

CAUTION: failure to follow instructions could result in damage to vehicle and/or accessory.

WARNING: failure to follow instructions could result in injury or death of operator and/or passenger or others.

NOTE:

1. "Left", "Right", "Front" and "Rear" are described from the seated position of the vehicle.
2. Check local laws regarding the use of auxiliary lighting.
3. Use of owners manual or service manual is recommended for installation.
4. If so equipped, place motorcycle on it's centerstand on solid, level ground or engage parking brake.

CAUTION:

1. When adding electrical accessories, always disconnect the battery and properly fuse new electronics.

WARNING:

1. Allow the vehicle to cool prior to installation & when operating engine, allow adequate ventilation.
2. NEVER modify the kit in ANY manner. Doing so voids warranty and places all liability on the installer and/or user.
3. Never route wires or install components that interfere with the operation of the steering, suspension, brake/clutch/gas lever/pedal/grip or any other operational function of the vehicle.
4. Never allow your accessories to cause distractions to remove your focus off the vehicles operation. Never forget that this is a high risk sport - don't make it a higher risk when you don't have to.
5. Never allow your accessories to cause distractions to others on the road.

### Part Listing

- 1 Isolator
- 2 1/4" ring terminal
- 1 blue butt connector
- 1 fuse holder
- 1 15 amp fuse

### Tools / Supplies Required

- wire strippers
- wire crimper
- screwdrivers

- NOTE:** a. If your trailer has "domestic" type lighting (combined turn/brake lights and a 4 pin harness), you will also need to use our "5 to 4 Converter" unless you have a 2014+ Harley with CanBus combined lighting.
- b. The 4 pin connector on the isolator is the *INPUT*. The output wires have no connector on them.
- c. Do not connect the outputs on the Isolator by wire color. You must review actual function as there is no industry standard for Powersports/Motorcycle trailer wiring.
- d. On your Isolator, there is a small black with with a female bullet connector on it. This is to provide a ground for any module you will be installing. Do not ground your trailer or any other item to this wire.

1. Install the Sub-Harness if not yet installed, using the supplied instructions.
2. Install any modules required for your specific installation, using the supplied instructions.
3. Find a suitable mounting location for your isolator. You will be plugging the Isolator's white 4 pin connector into either the subharness or module. Connect the 4 pin connectors.

**NOTE:** On your fuse holder, cut the wire in the middle of the loop if not already done. Do not install fuse now.

4. Crimp the ring terminal on one side of your fuse holder. Crimp the butt connector on the other side. Connect the ring terminal to the BATTERY POSITIVE [+] terminal.
5. Connect the red wire from the isolator to the butt connector on the fuseholder.
6. There are 2 white wires on your isolator. One is the same length as the brown/blue/green/yellow output wires. Connect the other white wire to ground; this can be the BATTERY NEGATIVE [-] post or any good frame ground.
7. Connect the output wires from the isolator to your trailer connector as follows:

5 Wire Output;

Green - tail light  
Brown - left turn  
Yellow - right turn  
Blue - brake light  
White - ground

4 Wire Output;

Green - tail light  
Brown - left turn & brake  
Yellow - right turn & brake  
Blue - accessory output (see instructions in "5 to 4 Converter")  
White - ground

8. Insert the supplied 15 amp fuse into the fuse holder. Turn on key and test isolator functions.

**NOTE:** if your trailer has additional accessory lighting, you may need to increase the fuse size to 20 amp.

subharness  
based on vehicle

