

ELECTRONIC TRAILER ISOLATOR INSTALLATION INSTRUCTIONS, Pt# GL18007-IU

NOTE: Unless you have all LED lighting on your trailer it is STRONGLY recommended to use an electronic trailer wiring isolator (not supplied) RIVCO pt# GL18007-IU. It is designed to draw the additional 7-10 amps of power needed for the trailer's lighting directly from the battery, not thru the brake, tail or turn signal circuits of the motorcycle. The isolator senses when power is applied to these circuits and activates the trailer lighting accordingly. It is a solid-state electronic device that will protect the motorcycle's advanced electrical systems. It will supply up to 10 amps per circuit to the trailer.

NOTE! The isolator is designed for trailers with a five-wire system, which, like the motorcycle will have separate turn signal bulbs. If the trailer you will be towing has a four-wire system (combined brake and stop lights) you will also need to add a five-to-four wire convertor in line before the isolator (not supplied) RIVCO pt# EC07664 which will plug into the isolator. They can also be purchased at most auto parts stores but will not have our plug in connector and will need to be spliced in line.

1. The trailer isolator comes with a connector which can be plugged in to one of our sub harness connectors and or our 5 to 4 wire convertor which will plug directly into the motorcycles wire harness. Currently we offer these sub harnesses for Honda Gold Wing with other models available soon. On all other models the you will need to cut off this plug and use the supplied Scotch-Loc wire tap connectors to connect the wires from the motorcycles tail/brake and turn signal wires to those on the isolator or 5 to 4 wire convertor (if the trailer being towed is a four wire system)
2. Find a suitable location to mount the isolator where the connections to the tail/brake and turn signal wires can be made. Usually this will be under the seat where the wires from the taillight connect to the main wire harness. Secure the isolator to the motorcycle using the adhesive tape supplied or cable ties. Clean the surface with rubbing alcohol to ensure good adhesion of the mounting tape.
3. Connect the wires from the isolator or 5 to 4 wire convertor to the motorcycle as shown in the wiring diagrams supplied using the supplied Scotch -loc connectors.
4. Find a suitable location to attach the BLACK GROUND WIRE. To the frame is best to ensure proper ground.
5. Route the isolator trailer wires through the rear of the bike to the bottom of the receiver or hitch, secure with the provided cable ties. The Trailer connector is not provided, due to the diversity of trailer connectors or plugs available. Follow the color code/function label on the isolator to make the proper connections to your particular trailer connector and trailer.
6. Route the red wire from the isolator to the battery positive (+) terminal. Using the provided fuse holder, cut and strip the red wire to desired length. Crimp it to the fuse holder and attach it to the battery positive (+) terminal.
7. Test your trailer lighting functions either by plugging in your trailer or with a test light at the appropriate colored wires on your connector.

BEFORE EVERY RIDE, MAKE SURE THAT THE TRAILER LIGHTS ARE FUNCTIONING PROPERLY.

