

WIRING INSTRUCTIONS

For The Install On GL1800 2012 Models

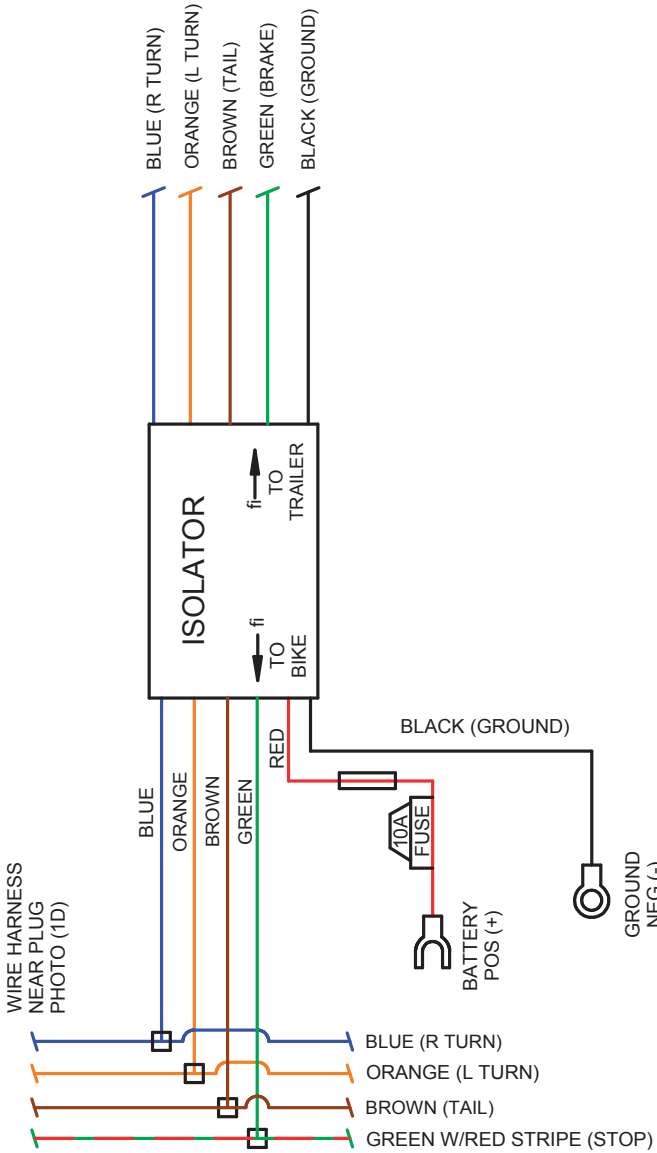
NOTE! The isolator is designed for trailers with a five-wire system, which like the motorcycle, will have separate turn signal bulbs. If the trailer you will be towing has a four-wire system (combined brake and turn signal bulbs) you will also need to add a five to four wire converter in line before the isolator. They can be purchased at most auto parts stores as well as from us directly (Pt # EC07664). Using one of the supplied wiring diagrams below, connect the isolator or five to four wire convertor and isolator as shown.

1. Locate the wire plug under the seat as shown in photo (1A) of this page and (4D) of the hitch instructions, it will be somewhat hidden below another wire loom and the frame rail. This is where the connections will be made. As of this date there is NOT a plug in "T" type connector, we are searching for the source to purchase the connectors, as soon as we find it we will make it available as a plug in sub harness.
2. Cut off the three plugs from the Isolator, these are for older models and will not be used. Position the isolator as shown (1B) and the five to four wire convertor next to it if adding that as well. Route the loom with the wires going to the trailer down along the right strut of the hitch. Secure the loom to the strut using two of the supplied cable ties to keep it away from the rear wheel.
3. Attach the black ground wire from the isolator as shown in photo (1C) to the saddlebags 8mm mounting bolt. Be sure to place the terminal between the frame and saddlebag mount to ensure a solid ground. Route the Red wire from the isolator forward to the battery positive (+) terminal. Using the fuse holder provided cut & strip the Red wire to the desired length. Crimp it to the fuse holder and attach it to the battery positive (+) terminal.. When replacing the fuse use only a 10 amp (Red) fuse. Using higher amperage or bypassing the fuse will cause damage to the isolator and a possible accidental fire.
4. Make the remaining connections from the wire harness to the isolator as shown in photo (1D), or the five to four wire convertor first then to the isolator as shown in one of the diagrams below, using the supplied 3 way Scotch-Loc connectors and the butt connectors between the convertor and isolator if being used also.
5. The trailer plug is not provided with the isolator as there are many different types used. We recommend the use of a loose plug vs. a mounted receptacle, leaving enough wire for the plug to be outside of the fender. When not plugged into the trailer, the connector can be stored securely by routing it thru the hitch pin clip. If you are adding the five to four wire convertor also, you may reuse the plug from it as your trailer will most likely have this style plug. Follow the color code/function label on the isolator to make the proper connections to your particular trailer plug.
6. Test your trailer lighting functions either by plugging in your trailer or with a test light at the appropriate colored wires at your connector.
7. Use the double-sided tape supplied with both devices to secure them to the inner fender. Re-install the rear fender, side covers and seat (be sure to connect the heated seat plug).

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2012 GL1800 WIRING DIAGRAM WHEN INSTALLING AN ISOLATOR ONLY



2012 GL1800 WIRING DIAGRAM WHEN INSTALLING A 5-TO-4 WIRE CONVERTOR AND ISOLATOR

