V-Led Installation Instructions

Thank you for purchasing our high quality V-Led kit. Your business is greatly appreciated. Please follow the instructions below. Failure to follow the procedure below can lead to damage of the electrical system of your motorcycle. If you require additional information, please do not hesitating to contact our technical group at tech@parts4powertoys.com.

Introduction:

The load resistors are required to prevent the new V-Led bulbs from flashing at a fast rate when the turn signal switch is activated on the handle bar. The fast flash was used to indicate when a normal bulb was burnt and so because the V-Led's have such a low power consumption, the load resistors are required to fool the motorcycles burnt bulb sensing system to prevent fast flashing. Follow the steps below to install the V-Led load resistors.

Step1: Locate Left and Right Turn signal wires

Remove the seat from the motorcycle. Locate the wiring harness that exits the rear fender close to the frame in the center of the motorcycle (just under the driver seat). The rear fender wiring harness is connected to the main motorcycle harness via a connector. You may need to open the protective plastic sleeve to expose the wires underneath. Using a volt meter or a test 12 Volt bulb that can detect 12 Volts, find the left and right hot wire that drives the left and right turn signal (usually VIOLET and BLUE wire on most Harley models). Each wire (left and Right) should have 12 volts while the turn signals are active.

Step2: Connect load resistors to each left and right turn signal wires

Once the wires have been located for the left and right turn signal (usually VIOLET and BLUE wire on most Harley models), you will use the supplied Red (or Blue) quick connect splice connectors to add each load resistor to the left and right turn signal wires. (***note: Please check with your dealer for the exact color wire for your model year, the specified wire color maybe different , failure to connect to the correct wire can cause damage to your motorcycle and adverse operating problems with your TSM module***). See **Figure A** for a quick view on how to use the Red (or Blue) quick splice connector.. Following the schematic diagram in **Figure B**. Crimp each Red (or Blue) connector to each left and right turn signal wire with one of each load resistor wire.

Note: **DO NOT INSTALL the original incandescent bulbs with the load resistors installed. Doing so will risk causing damage to the motorcycles electrical system. They should *ONLY* be installed with all the LED bulbs installed.**

Step 4: Connect ground wire from load resistors

Locate a secure bolt that you can attach the remaining two load resistor wires that have been attached together with a round connector lug. Secure the bolt over the connector lug and re-install the bolt. This completes the ground connection of the load resistor. (***TIP:*** use the bolt that holds the battery in place form moving). See **Figure C.**

Step 3: Secure load resistors

Using a tie wrap, secure the load resistors so that they do not move around while riding the motorcycle. Ensure that it is tight and secure and away from any sharp edges. See **Figure D** for an example location to mount the load resistor.

Finalize installation:

Re-secure seat and verify that the load resistors do not interfere with the seat installation. Note that the load resistors do get ***WARM/HOT*** and should therefore avoid having the load resistors touch any plastic or vinyl otherwise the heat from the load resistors can melt the plastic or vinyl. Enjoy your purchase. If you require additional information, please do not hesitating to contact our technical group at tech@parts4powertoys.com.

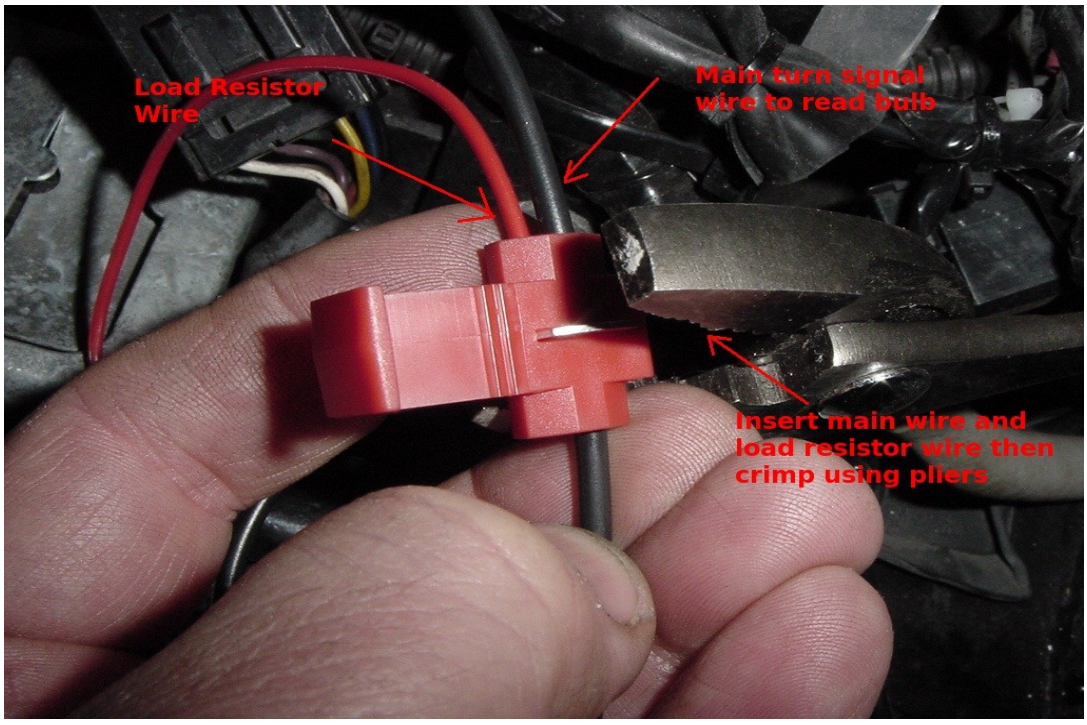

Figure A

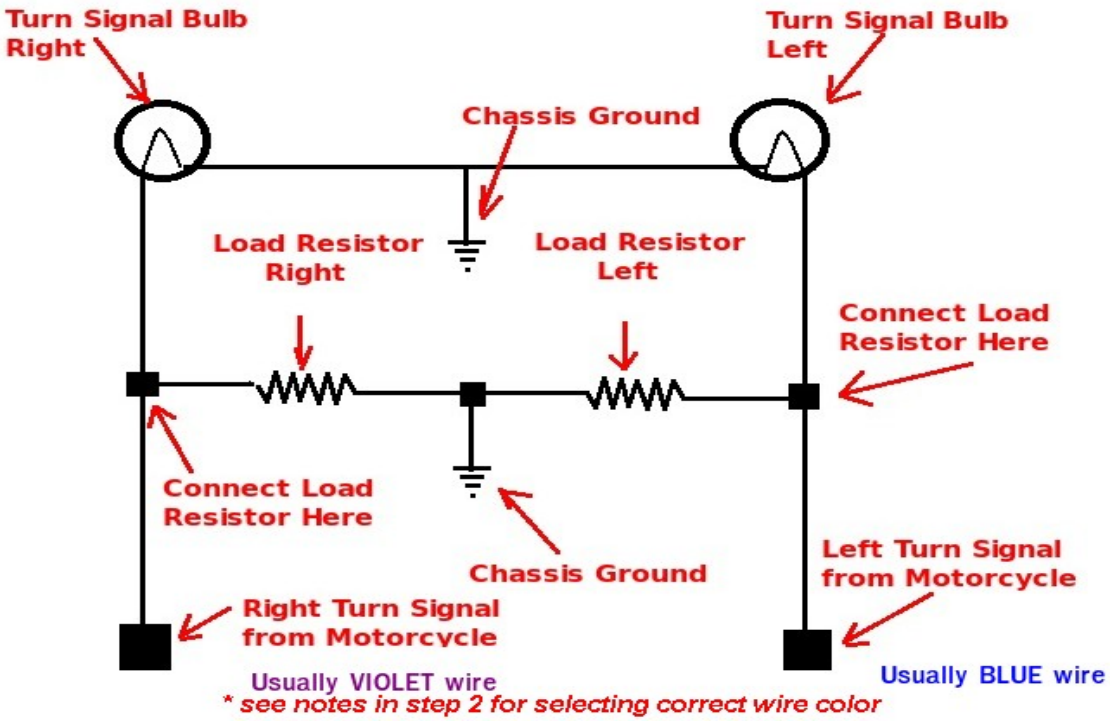

Figure B

Figure C

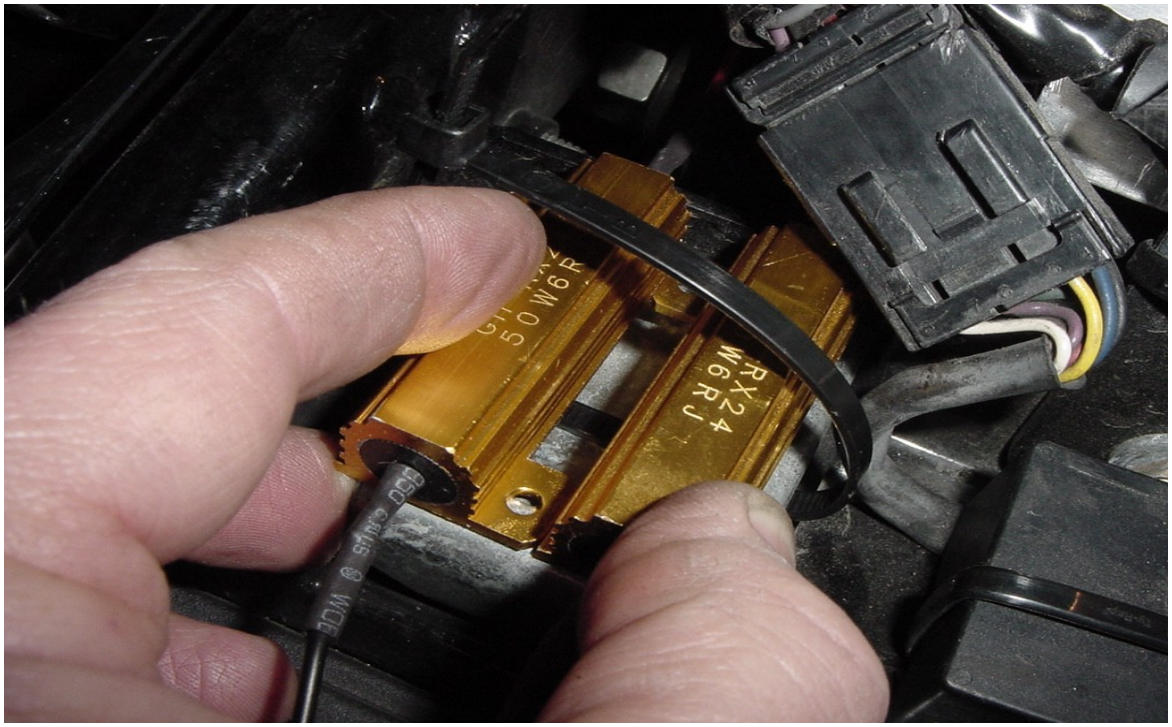

Figure D

