

## **5 to 4 Wire Convertor For Trailer Lighting Or RIVCO Rack Lighting System, pt # EC-100**

**NOTE:** All motorcycles use a 5-wire tail light system meaning there are separate turn, brake and tail light wires and bulbs. U.S. cars, trailers and some motorcycle trailers use a 4-wire system meaning the turn and stop functions for each side are combined on one wire or filament of the bulb.

### **Installing convertor for trailer lighting:**

1. Usually the most convenient place to install the convertor and make the connections will be under the seat. Find a suitable location to mount the convertor using the adhesive tape backing and or cable ties supplied. Referring to the supplied wiring diagram and or using a test light to identify the wire functions on the motorcycle, connect the 5-wire side of the convertor to the motorcycles tail, brake and turn signal wires with the 3-way Scotch-Loc connectors supplied. Route the 4-wire harness with plug from the other side of the convertor down to the lower edge of the rear fender. Starting from the plug and leaving enough wire to reach the trailer's mating plug and allow slack for turning, use the supplied cable ties and secure the harness to the motorcycle. Secure any excess wire next to the convertor.

### **Installing convertor for use with RIVCO Rack Lighting System, pt# CRLGHT:**

2. The lighting system is a 4-wire system. If your motorcycle has no existing trailer wiring you will need to add the 5 to 4 wire convertor as described above. You will then need to connect a mating male 4 pin plug (not supplied, available at most auto stores) to the wires on the rack lighting system as shown in the wiring diagram. Secure the wires from to the rack using the supplied cable ties.
3. Refer to the instructions supplied with the CRLGHT for other possible combinations and information.

**RIVCO Products, Inc., Burlington, WI 53105, 888-801-8222.** Visit [rivcoproducts.com](http://rivcoproducts.com) to register your product warranty and see many other quality motorcycle accessories.

### **COLOR CODING OF WIRING ON SOME COMMON MOTORCYCLES**

Honda	Harley Davidson	Yamaha
Orange = L. Turn	Purple = L. Turn	Brown = L.
Lt. Blue = Right Turn	Purple = R. Turn	Green = R. Turn
Brown = Tail	Brown = Tail	Blue = Tail
Green W/Red = Brake	Red / Yellow = Brake	Yellow = Brake
Green = Ground	Black = Ground	Black = Ground