



ElectroSport
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TrailSport Fitting Instructions

Important: A Lighting Coil is Required!

The TrailSport kit is a wiring harness assembly only. You will need to install the correct model of lighting coil, headlight (H4 bulb) and taillight on your bike in order to power any type of lighting. For more information, please check the application listing for available lighting coils with your model of motorcycle.

Step 1 - Getting Started

It's best to have a clean bike and clear access to all connection points when you start the installation. Start by removing your front number plate, seat, and fuel tank.

Step 2 - Connect the AC regulator to the harness

You will need to connect the AC Regulator. It comes disconnected from the harness and needs to be tied into the harness. Connect the double bullet connector (Fig 1) coming off a BLACK wire for the BLACK connection on the Regulator. Locate the double bullet connector with a RED/YELLOW going into it, and connect the AC regulator's YELLOW into it.

Step 3 - Handlebar Switch

Unscrew two small screws on the underside of the switch and position the switch inboard from the clutch lever side of the bike. Wrap the bottom half of the switch together with the top half and fasten with two screws.

Step 4 - Handlebar Switch Wiring Connections (Fig 2)

Carefully match up the wire colors as shown in figure 2, fully seating the connectors. Start by taking the GREEN wire from the handlebar switch and connect to GREEN wire coming from H4 headlight connector.

Step 5 - Regulator and Kill Switch

Route the regulator section of harness towards the area underneath the fuel tank. Disconnect your existing OEM BLACK/WHITE kill switch wire and plug in the TrailSport WHITE W/BLACK Tracer to the stock female BLACK/WHITE that you just unplugged. Continue by disconnecting the existing BLACK wire coming from your kill switch. Note: This connection will remain disconnected. Be sure to tape and tie off the connector. Then, fasten the regulator to the bike using a few cable ties, or you can drill a hole into the frame and attach it with a screw through the mounting hole. Note: Make sure there is clearance for the fuel tank to fit correctly into position.

Step 6 - Ground Connection Ring Terminal

Attach the round ring terminal ground to the frame, or existing ignition ground location in the area under the fuel tank.

Step 7 - Stator Connection (Yellow Wire)

The yellow wire is used to connect to the lighting coil by the flywheel.

Step 8- Taillight Connection (Figure 3)

Route the taillight section of the harness to the rear of the frame. Figure 3 details the connection colors for single and dual filament taillight bulbs. The optional brake light switch wire colors are the PURPLE and YELLOW connections. Note: It does not matter which color is connected as long as both are used.

Step 9 - Headlight Connection

Assuming you have a headlight attached, you can plug in the H4 connector and fit your fuel tank and seat. Note: The switch has "Off, High and Low" beam settings and a built-in kill button which replaces the existing kill button.

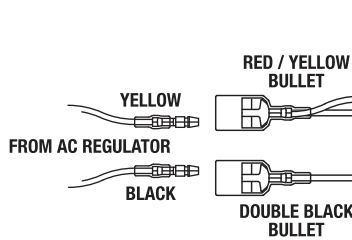


Figure 1. AC Regulator Connection

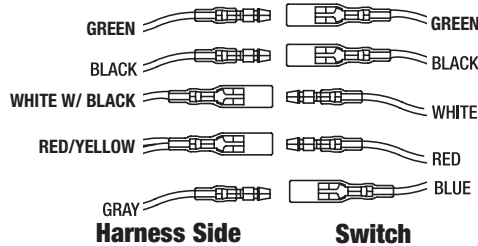


Figure 2. Kill Switch Wiring Connections

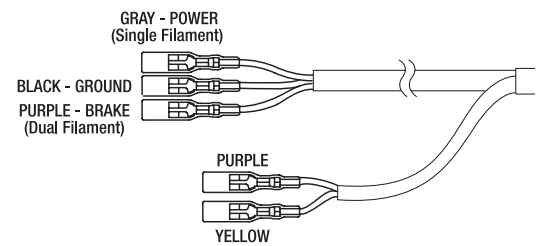


Figure 3. Taillight Wiring Connections

