



2003-05 WR250/450 Installation Guide

Do not zip tie anything until you are done.

Step 1: Remove headlight, seat and gas tank from motorcycle. Do not remove the headlight switch and harness if you have a 2003.

Step 2: Partially install the headlight assembly using the top right band only to hold it in place temporarily. You will need to plug wires to this assembly and if you put all four bands on you will not be able to make the connections.

Step 3: Install handlebar switch on clutch side. You will need to move clutch perch to the right (about ½ inch to 1 inch) to make room for the switch. You will need to relocate the stop switch to the right of the clutch perch. The switch plugs into the circuit board on the bottom of the headlight using the 8-pin plug (the only unused 8-pin one on the circuit board)

Step 4: In this step we will connect the power line only. With the handlebars turned all the way to the right, plug the power wire into the back of the headlight assembly making sure to leave some extra wire so you can turn the handlebars both ways without tugging on the wires. The other end of the power line has battery terminal loops. The positive has an in-line fuse and the other black wire is the negative. Connect these to the battery.

Step 5: Remove cover on rear brake master cylinder. To install the hydraulic brake switch you need to first remove the master cylinder Allen bolts from the bike, then remove the banjo bolt and screw the new switch into the master cylinder. You need to make sure that you have the NEW crush washers above and below the brake line. Do this as fast as you can so you don't lose any brake fluid. You might need to bleed the rear brake if the switch does not work or your brakes feel soft. If you are not familiar with bleeding brakes, take it to a shop that can do it correctly. Route the wire up the frame tubing by the kick-starter and let it end behind the gas tank just in front of the seat. You will need to put a small cut in the rubber boot to push the wires into the battery compartment. You can zip tie that wire and reinstall the master cylinder cover.

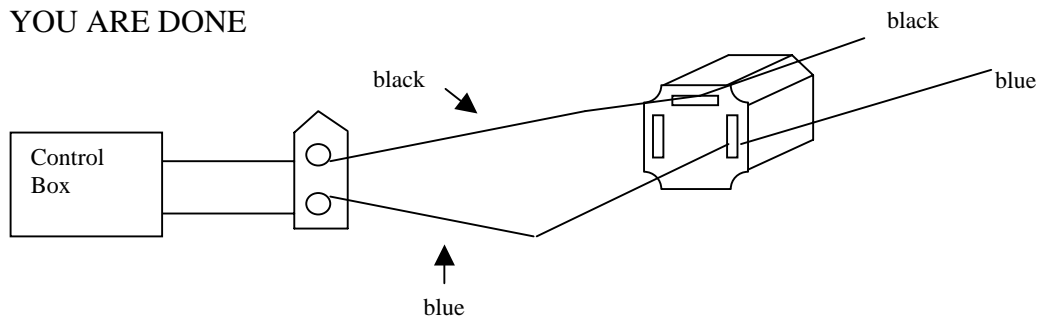
Step 6: With the unconnected wire routed in step 4, plug the tail assembly into the bottom of the board in the headlight assembly (the only 6 pin plug on the board). Leave some extra wire near the front of the bike so you can turn the handlebars both ways without tugging on any wires. Both the green wire from the tail assembly plugs onto both of the brake switch lines using the round bullet plugs. There is no polarity and either wire will work. (Use some shrink-wrap over the connections to keep out dirt and water).

Step 7: (Skip this step if you are using a UFO Taillight) First unplug the Yamaha tail light from the bike. To wire the taillight and stop light, connect the GREEN wire from the kit to the YELLOW wire in the bike (brake light). The YELLOW wire from the kit to the BLUE wire on the bike (tail light) and the BLACK wire on the kit goes to the Black wire on the bike. There still should be two pair of unused wires. These are used for your rear turn blinkers. The black wire is a common ground, the ORANGE is for the right, and the BLUE is for the left.

Step 8: To test the kit: Move the rocker switch on the kit to the left. A five-watt daytime running headlight and your taillight should be on. In this setting you should also have use of your horn, blinkers, and brake light. The color of the left LED also lets you know how the charging system of your motorcycle is functioning. A red light indicates less than 12 volts; a yellow indicates 12-13 volts, while a green indicates around 14 volts. Next rotate the rocker switch to the right. This adds the main headlight to the circuit. You can now use the high-low beam on the handlebar switch accordingly. In this mode you can also use your turn signals, horn and brake light.

Step 9: Zip tie all wires and install gas tank and seat at this time.

YOU ARE DONE



TRICK DUAL SPORT

03/04

LAYOUT & WIRE CODE

Fuses Resettable

- F1 power in 9 amp
- F2 aux power 3 amp
- F3 running light 3 amp
- F4 brake light 3 amp
- F5 horn 3 amp
- F6 signal flasher 3 amp
- F7 head light 5 amp

- WIRE COLOUR HANDLE BAR SWITCH
- PINK 1 HORN TO SWITCH
 - BLACK 2 GROUND
 - LIGHT GREEN 3 LOW BEAM OUT
 - YELLOW 4 HIGH BEAM OUT
 - BROWN 5 LEFT SIGNAL OUT
 - DARK GREEN 6 RIGHT SIGNAL OUT
 - BROWN WHITE 7 SIGNAL SWITCH OUT
 - BLUE 8 HEAD LIGHT POWER

- FRONT LIGHT UNIT
- BLACK 1 GROUND
 - RED 2 HORN TO SWITCH
 - ORANGE 3 HIGH BEAM OUT
 - YELLOW 4 LOW BEAM OUT
 - GREEN 5 HEAD LIGHT RUNNING
 - BLUE 6 HORN POWER OUT
 - VIOLET 7 RIGHT SIGNAL OUT
 - GREY 8 LEFT SIGNAL OUT

- REAR LIGHT UNIT
- BLACK 1 GROUND
 - RED 2 FRONT BRAKE SWITCH
 - ORANGE 3 RIGHT SIGNAL OUT
 - YELLOW 4 TAIL LIGHT RUNNING
 - GREEN 5 REAR BRAKE SWITCH
 - BLUE 6 LEFT SIGNAL

