

Sport Bike Air Shifter Wire Harness Installation Instructions

Kawasaki ZX12



- 1) Remove the plastic tank shell and front fairing
- 2) Remove the rear and front seat sections
- 3) Tilt the fuel tank up on its pivot
- 4) Locate the horns under the radiator, one on each side
- 5) Disconnect the horn leads from both horns
- 6) Install the MPS Sport Bike Electronic Engine Kill in rear compartment
- 7) Install the MPS Electric Air Valve in rear compartment
- 8) Locate the plastic wire loom on the left side of the bike, directly under the throttle position

sensor. Carefully untape the harness that goes to the 4 individual plug coils. Find the small gauge black, black with green tracer, black with red tracer, and the black with orange tracer

9) Starting with the end of the harness with 2 red 1 black 1 green wire ends. Feed them from the top of the coolant reservoir down along the factory wire harness all the way to the horn on the right side of the bike.

- 10) Plug the red and black wires with the female spade connectors onto the horn
- 11) Plug the red wire with the male spade connector into the white with blue tracer wire from the stock harness
- 12) Plug the green wire with the male spade connector into the black with white tracer wire from the stock harness
- 13) Repeat steps 10 through 12 for the left horn
- 14) Route the wire harness along the factory harness toward the back of the bike to the rear tail section
- 15) Use the scotch lock connectors to connect the 4 brown wires to the small gauge black, black with green tracer, black with red tracer, and the black with orange tracer. Splice one brown to each of these wires. You can solder them if you prefer.
- 16) Drill a 1/4" hole in your inner cowling and mount the shifter arm switch
- 17) Route the green, black, blue wires from the shifter arm switch to the 3-conductor connector on the harness
- 18) Connect the black wire with ring connector to the battery ground
- 19) Crimp the supplied female pin connectors onto the 2 wires on your Electric Air Valve (if you don't have the right crimpers you can smash and solder them)
- 20) Push the female pin connectors into the 2 conductor plastic housing already plugged into the harnesses 2 conductor red and blue leads (it doesn't matter which wire goes where)
- 21) Plug in the brown leads to the matching connector on the MPS Electronic Engine Kill
- 22) Plug in the red, black, and blue leads to the matching connector on the MPS Electronic Engine Kill
- 23) Wire tie all wires securely
- 24) Replace all parts removed
- 25) Your arm switch will work your horn in one direction and your air shifter in the other

If you have any more questions we have a Frequently Asked Questions page at our web site as well as the telephone tech support. Thank you for your purchase of this MPS product. All products sold by MPS are for use at closed course competition events and not for use on public streets or highways.