



P/N 1-0903

### **MPS RSR Shift Module Wire Harness**

The MPS RSR Shift Module Wire Harness was designed with ease of install in mind. This harness requires no cutting or splicing into your factory harness. It also includes a toggle switch to revert to normal horn functions and enable the programming mode on the RSR module. The harness uses the ignition kill strategy and plugs directly into the ignition coils and the stock harness. The harness converts your horn switch to your shift button when the toggle switch is in the shift position. When switched to the horn position the horn will work normally and the RSR module returns to programming mode. **The RSR module 10 pin connector is a match to the RSR modules sold by MPS. If your RSR module doesn't have this connector you will need to install it or send your RSR module to MPS for installation.**

#### **Installation**

- 1) Unplug the factory harness from the coils. The male and female coil connectors on the harness plug into the factory stick coils and the factory wire harness.
- 2) Check the polarity of your horn circuit with a test light or multi-meter. Most sport bikes (all Hayabusa, most GSXR1000s, and most ZX14s) will have constant power to one side of the horn and a horn switched ground to the other. This is a ground controlled horn circuit. Some bikes have constant ground to one side of the horn and a horn switched power to the other. This is a positive controlled horn circuit. **You will need to set the RSR up for the correct polarity of your horn circuit.**
- 3) Unplug the stock harness sending the momentary signal to the horn. Attach the blue lead with the spade connector labeled "Horn Lead" to the factory spade connector in the stock harness sending the momentary signal to the horn. Attach the black lead with the female spade labeled "Horn" to the horn where the factory spade was removed.
- 4) Mount the toggle switch in a convenient spot by drilling a 1/4" hole and push the threaded shaft of the switch through the hole. Secure the switch by threading the guard onto the switch. The supplied toggle switch will switch the horn button from activating the shift when switched one way and will revert to normal horn function when switched the other. **Note: In order to calibrate the RSR module the switch must be switched to horn mode.**
- 5) Install the supplied 2 pin connector to your air valve. This will plug into the leads on the harness labeled "Air Valve". Polarity does not matter for the air valve wiring.
- 6) Attach the ring connector labeled "Battery -" to the negative side of the battery.
- 7) Attach the RSR module to the end of the harness labeled "RSR Module".
- 8) Refer to the instructions supplied with the RSR air shift module for help programming the unit.

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.

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