

MPS Switch Swapper Horn/Shifter-Starter/Nitrous Installation Instructions

Fits All Bikes with Switched Ground Horn & Switched Power Starter Circuits



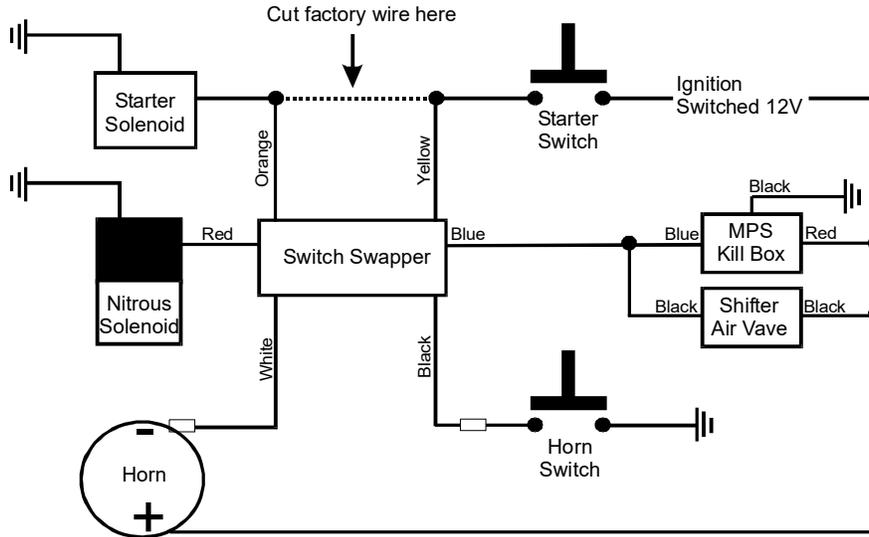
The MPS Switch Swapper Horn/Shifter – Starter/Nitrous works on all bikes that have a ground switched horn circuit and a positive switched starter circuit. The Switch Swapper has a switch to choose the operation of the handlebar (starter & horn) switches. The horn (H) position allows normal functions of your switches. Switching to the shifter (S) position will turn the horn button into the air shifter switch and the starter button into the nitrous switch. The center switch position works nothing. The MPS Switch Swapper Horn/Shifter – Starter/Nitrous makes it quick and simple to wire your horn/shifter and starter/Nitrous switch.

Verify your horn & starter circuit types (test light required)

Horn – Unplug your horn wires at the horn. With your test light clipped to the positive side of the battery, turn on the ignition. Probe both horn wires one at a time. If one lights the light solid you have a switched positive horn circuit. If neither wire lights the light, push the horn button while probing each wire. If one wire lights the light only when the horn button is depressed, you have a switched ground circuit. You must have a switched ground style horn to use this Switch Swapper for your air shifter. For switched positive circuits you must use the P/N 1-0317 Switch Swapper.

Starter – Locate the starter solenoid. Unplug the plug with the small wires. With your test light clipped to the positive side of the battery, turn on the ignition. Probe each wire while momentarily pushing the starter button. If one of the leads lights the light only when pushing the starter button, it is a switched ground circuit. With your test light clipped to the negative side of the battery, turn on the ignition. Probe each wire while momentarily pushing the starter button. If one of the leads lights the light only when pushing the starter button, it is a switched positive circuit. This is the correct style circuit for use with the Switch Swapper.

Wire Diagram



Mount The Switch Swapper Horn/Shifter – Starter/NOS

Find a convenient spot to mount the MPS Horn/Shifter – Starter/Nitrous Control switch box and secure it with the Velcro provided.

Wire the Box

Note: MPS Gen 2 kill boxes air valve is wired directly to the kill box not as shown in wiring diagram. All other wiring remains the same.

Horn Side - Black Wire - Unplug your horn wires and connect the wire that had the ground only when pushing the horn button to the black wire on the switch swapper using the male spade connectors provided. **White Wire** - Connect the White wire to one of the horn terminals using the female spade connector provided. Reconnect the factory wire that is left to the other horn terminal. **Blue Wire** - The switch swapper blue wire (sends ground when horn button is pressed) is connected to the blue on the MPS Kill Box.

Starter Side - You will need to disassemble your right hand (starter) switch pod to find the correct wire. With your test light clipped to the negative side of the battery, turn on the ignition. Probe each wire connected to the actual starter switch while momentarily pushing the starter switch. The wire that lights only when the starter switch is depressed is the wire you will cut. This is the wire that goes from your starter switch to your starter solenoid. Follow the wire 6-8 inches out of the switch pod and cut the wire in two. **Yellow Wire** – The wire end that goes to the starter switch itself is connected to the yellow wire on the switch swapper with a solder connection (preferred) or a butt connector provided. **Orange Wire** - The wire end that goes to the starter solenoid itself (through side stand & clutch switch) is connected to the orange wire on the switch swapper with a solder connection (preferred) or a butt connector provided. **Red Wire** - Connect the red wire on the switch swapper to the nitrous solenoid positive lead with a solder connection (preferred) or a butt connector provided.

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.