

HD Ignition Switch Installed on V*Star 1100 Classic

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Needed: Harley Davidson barrel switch, TIG welder, hacksaw, handheld cutoff wheel (Dremel), plasma torch or 1" hole saw, also a 2" hole saw, various Allen wrenches, (2) 8/32 stainless steel screws (possibly not necessary - see note below), (2) 6/32 stainless steel screws.

* Info above suggested - actual tools & instruments will be at the discretion of the builder. Purchase of extra switch harness and speedometer cover also builder's discretion.

The two holes in the speedometer cover might NOT be necessary if a tank bib is used. The 8/32 screws are used Tools to hold the bottom of the speedometer cover down but it seems a tank bib *might* eliminate that need. Again, this is builder's discretion.

The Harley ignition switch is functional for ignition. Removing the ignition/fork lock switch on the neck of the bike is builder's discretion. We left it on my bike so the fork lock could continue to be used.

Step 1: Tank tab removal - use a Dremel tool with cutoff wheel to remove this tab. Use caution not to cut into the tank.



Tank tab removal



Ignition switch bracket in position

Step 2: Fabrication of the switch bracket. This requires access to a TIG welder. You will need to add two side pieces, a top piece and two tabs for the screws. Holes will need to be drilled & tapped for the screws. On the top piece where the switch mounts you will use (2) 6/32 screws. The center hole in the top piece is for access to the factory mounting screw and for clearance for the lower side of the switch. The two mounting tabs will be (2) 8/32 screws. *Screw sizes are builders discretion.*



TOP



SIDE note position of the bracket in relation to the speedometer



BOTTOM

Step 3: Modification & wiring of the switch. The rear tab of the switch will need to be removed using a hacksaw. Wiring: There will be 4 pins on the Yamaha and only 3 on the Harley switch. You will tie together the blue/yellow and the blue/black. The switch wire will be the solid red and red/blue.



Ignition switch bottom

Step 4: Modification of the speedometer cover - *care MUST be used in measuring for the hole* Mark the speedo cover carefully. Use the 2" holesaw to cut out the hole for the switch (if necessary - see note above).



Speedometer cover top

note: the ring & silicone were necessary due to a mistake in cutting the hole with the hole saw. These would not have to be used if no mistake was made.



Speedo cover bottom