

## Electric Windscreen Washer

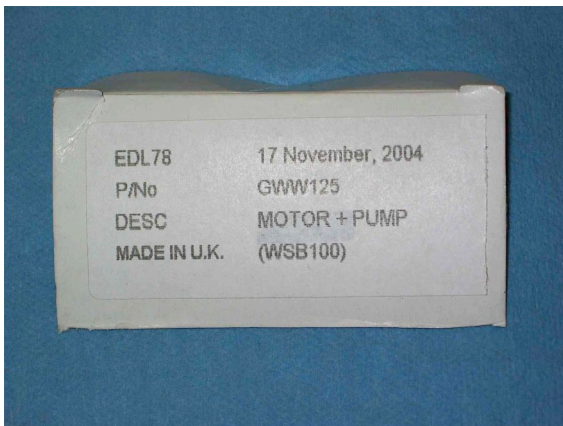
I read a technical article by Stu Brennan, an owner of a Sunbeam Tiger, who had converted his hand activated pump windscreen washer to an electric washer. I liked the idea because he put the electric switch in the aluminum pump canister thereby eliminating the need to install an additional switch somewhere. Since the washer in the Tiger is the same as the one in the Healey I decided to give it a try.

Two items needed to be purchased for the conversion. I used an electric pump typically used for Sprites and Midgets purchased from Moss Motors, and I purchased a Home Depot switch, Gardner-Bender, Push Button, GSW-22, SPST always-off.

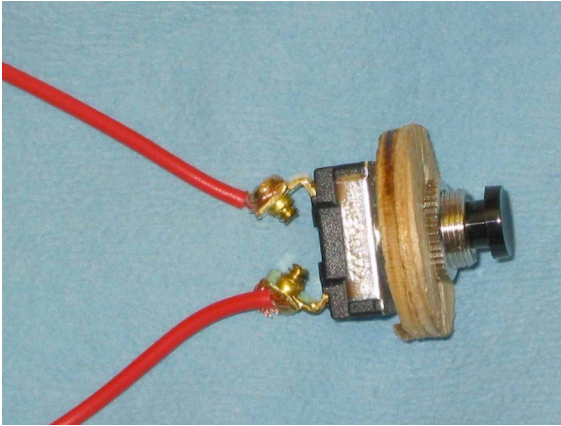
The old pump was easily disassembled by un-crimping the lip from around the plastic bottom. The metal is relatively soft, so it unfolds easily. The bottom and the old rubber bellows came right out, leaving only the plunger within the shell of the pump.



To provide enough depth for the switch in the canister I cut a slot in the plastic face plate. The slot also provided space for the switch wires to exit the canister.



To provide stability for the switch in the canister and to use as a spacer I cut a circle washer of 1/4" wide plywood that fit tightly in the canister and placed it on the switch secured with double nuts.



Power comes from a switched terminal on the ignition switch, and is connected to the new red wiring through an in-line fuse holder. From the other side of the switch, a new red wire carries power to the pump. The "negative" side – black wire - of the pump is grounded at the mounting bracket.

I mounted the pump on the firewall and ran tubing from the fluid reservoir in the parcel shelf to the pump and then on to the windscreen washer jets on the shroud. Credit and thanks to Stu!