

Fuel Pump Construction

Materials

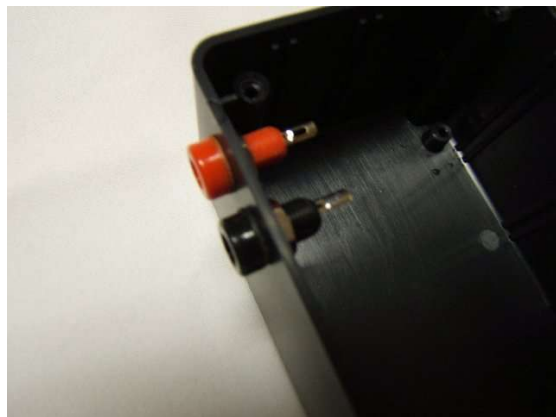
Collect the following materials:

- 1) Chemical Pump
- 2) Project box 6x3x2 (Radio Shack #270-1805)
- 3) Pkg. of Sub-Mini Slide Switches (# 275-327)
- 4) One Lamp (#272-334)
- 5) Pkg. Banana Jacks (#274-725B)
- 6) Misc. Materials – Solder, heat shrink, wire

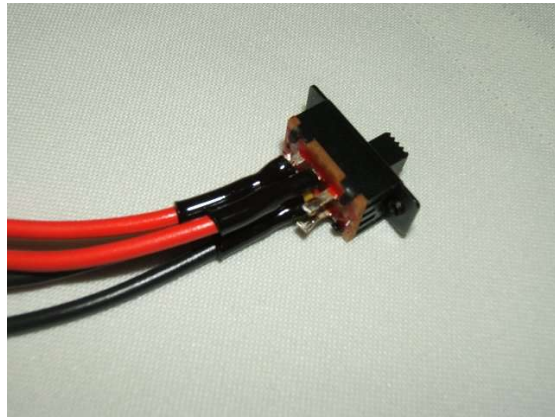
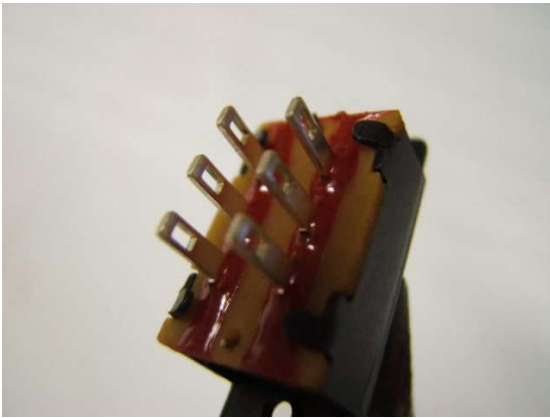


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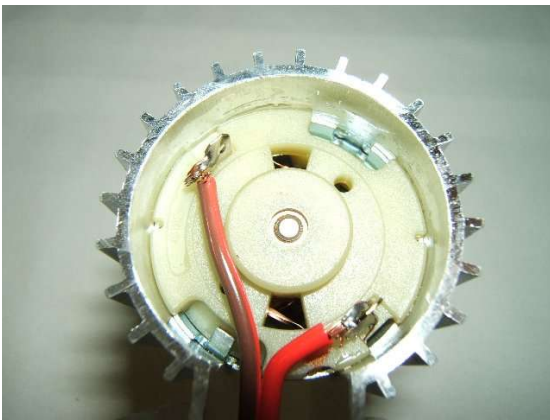
Step 1: Drill and cut holes for the switches, indicator lamp and charge jacks. Mark component locations before cutting to get a nice finish.



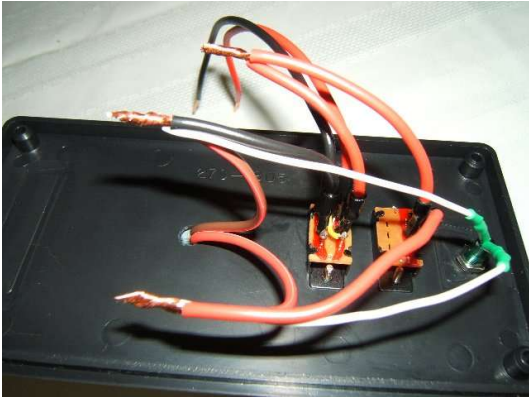
Step 2: Solder 6" lengths of wire to switches and jacks as shown in pictures and schematic. Be sure to heat shrink all wiring connections and check connections with a meter to prevent possible shorts.



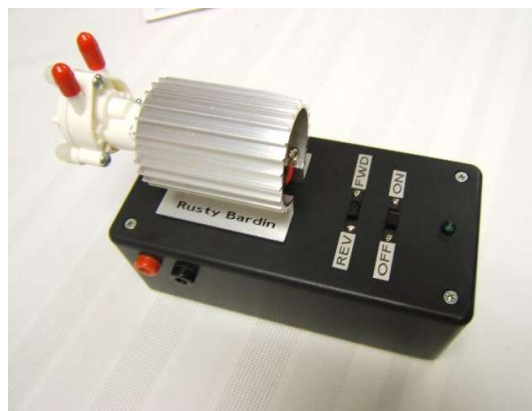
Step 3: Cut off the connectors on the supplied pump wire, then solder in place as shown. While holding switches in place, mark and drill small holes for screws from the bottom of the cover. Mount the switches with supplied machine screws.



Step 4: Drill a hole for the pump wires in the top cover. Mount fuel pump to top cover with Velcro or servo tape. Connect all wiring per schematic; solder and heat shrink the connections.



Step 5: Complete the final connections to the battery, switch and charge jacks. Solder and heat shrink in place, or use connectors if you want to be able to remove the battery. Double-check your wiring connections for shorts with a meter before finally connecting the battery. Attach top with supplied screws and label the switches.



Wiring Schematic

