Gizmo Battery Switch Assembly

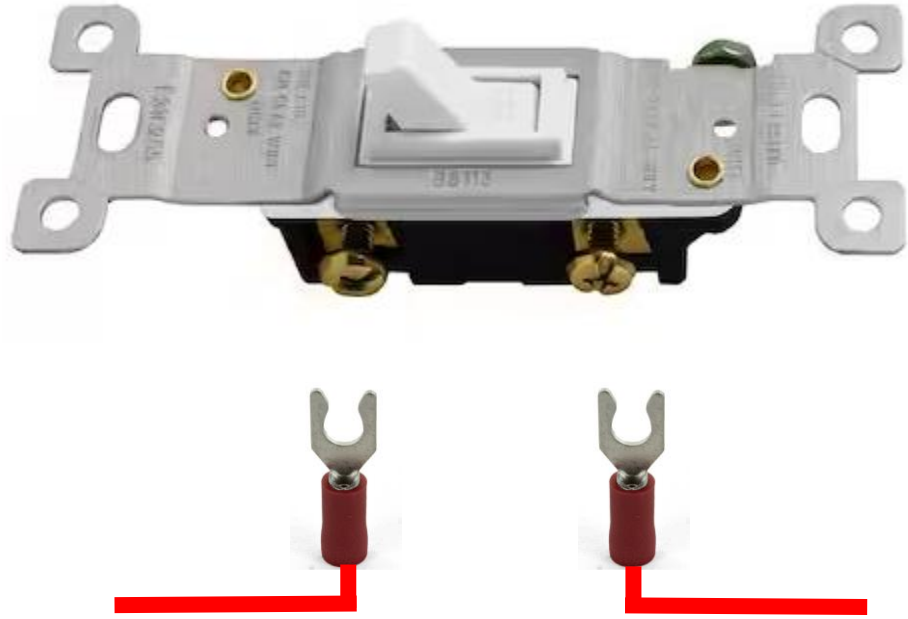
The Gizmo board is powered by a 7.2v battery with power-pole style connectors. The board does not have a built-in on-off switch. Hubs are expected to create a special Switch Assembly that is placed inline between the 7.2v battery and the Gizmo power screw terminals.

PARTS NEEDED

- (1) 20A household light switch, single-pole/single-throw
- (2) 16-gauge stranded wire, Red, 4” in length
- (1) 16-gauge stranded wire, Black, 10” in length
- (2) Fork (U-type) spade connectors
- (1) 30A Anderson power-pole connector pair (red/black), pins, housing & slotted roll pin

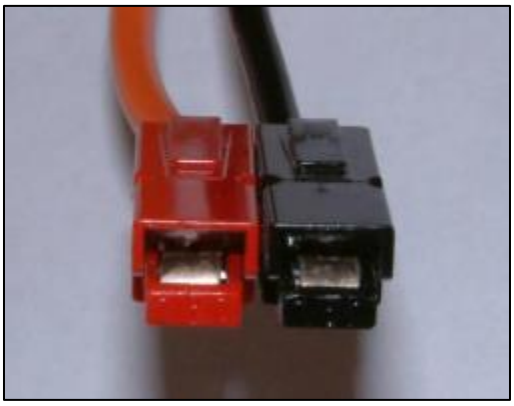
ASSEMBLY INSTRUCTIONS

- Start by cutting the wire to length and stripping both ends. Tin the ends of the wires with solder.
- Crimp and/or solder the Fork spade connectors to one end of each of the 2 red wires.
- Connect the fork spade connectors to the household switch screw terminals & tighten.

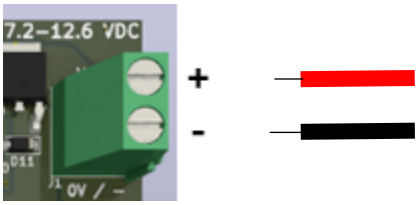


- Crimp/solder the power-pole pins to one of the bare red wires and one end of the black wire.
- Assemble the colored power-pole connector housing to each pin (red to red wire, black to black wire).

- Slide the two power-pole connector housings together in the orientation shown in the picture (red is to the right when the connector is pointed away from you).



- Insert the slotted roll pin into the hole created between the red and black power-pole housings to lock them together.
- Now insert the remaining bare wire ends of the red and black wires into the Gizmo screw terminals. Be sure to check the polarity. For Gizmo r6b and later, the positive (red) wire is attached to the top screw terminal, as shown in the picture. Be certain that no stray wire strands are showing or touching between the wires.



It is recommended that the Battery switch assembly be connected to the Gizmo before distribution to teams.