

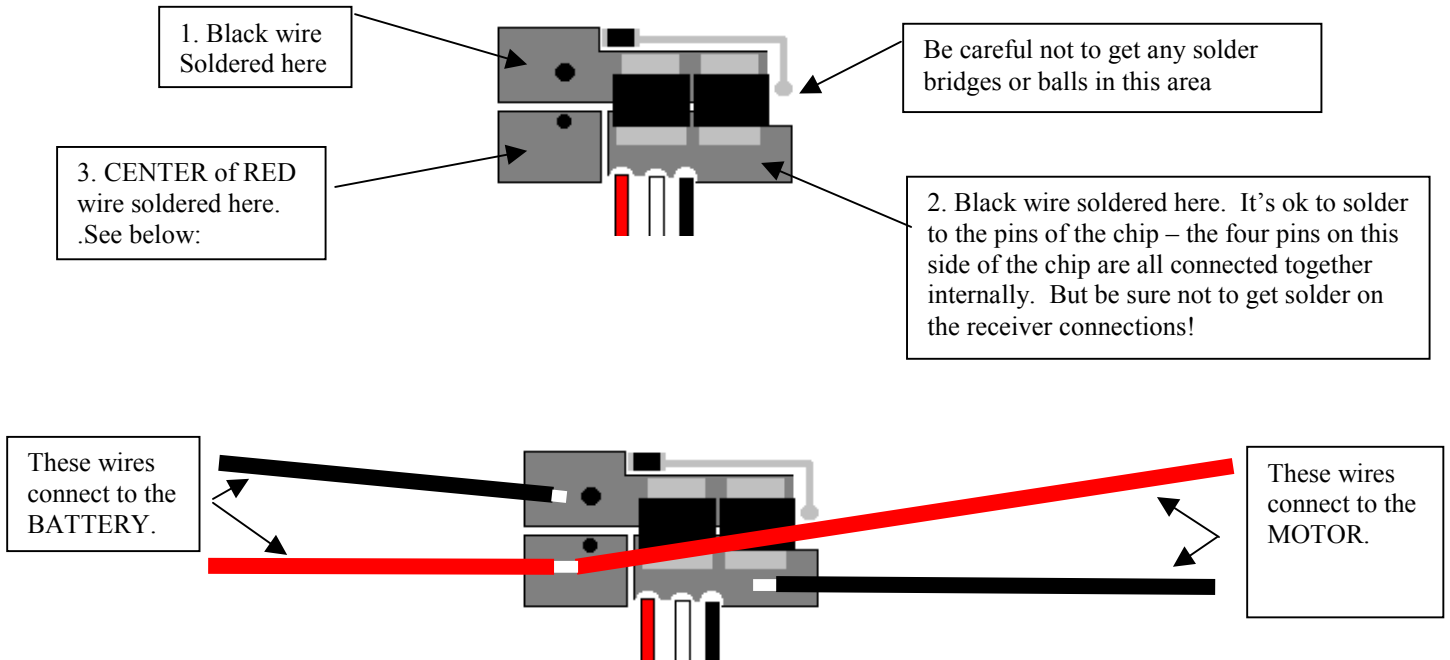
Wiring Directions for the Pixie-LITE version of the Pixie-14: High Voltage Cutoff Version

Tools Required:

Soldering Iron (Small tip, low wattage iron)
Wire (Black and Red)
Wire Strippers and cutters

Step by Step directions:

First prepare the wire for attachment to the PC board. Make two (2) black wires of approximately the same length, with about 1/8" of insulation stripped from each end. Make one (1) red wire that is approximately twice the length of one of the black wires. Strip about 1/8" of insulation out of the MIDDLE of the red wire, being careful not to cut any of the conductors in the red wire. Solder the wires to the board, following the wiring diagram (AND WIRING ORDER) below:



After you have finished wiring the Pixie-14, mark the wires for the battery and motor side. A small piece of masking tape on the wire works well. Put the heat shrink provided over the control (make sure your receiver wire exits on the correct side) and carefully shrink it with a heat gun. Use the following table to determine how many amps of current you can run with different wire sizes:

<i>Wire Gauge (AWG)</i>	<i>Max Amps <30 seconds</i>	<i>Max Amps >2 minutes</i>
16 Gauge	20	14
18 Gauge	16	10
20 Gauge	10	7
22 Gauge	8	5
24 Gauge	5	3.5
26 Gauge	3	1.5
28 Gauge	1.5	<1
30 Gauge	<1	<1/2