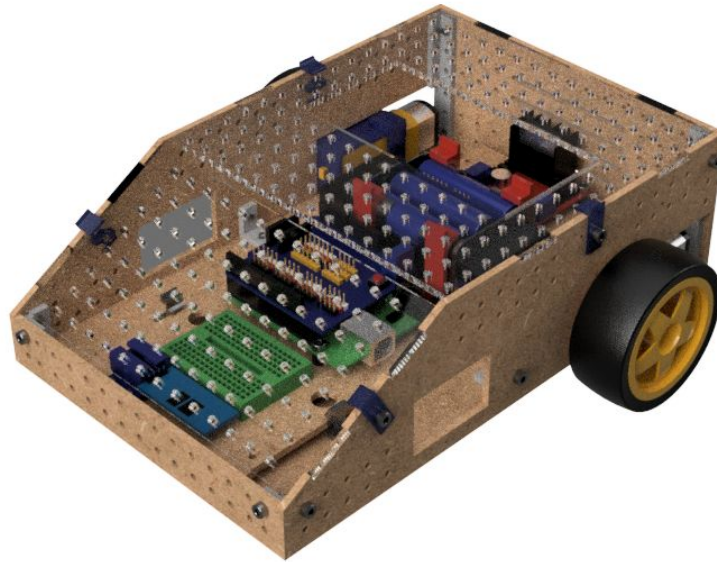
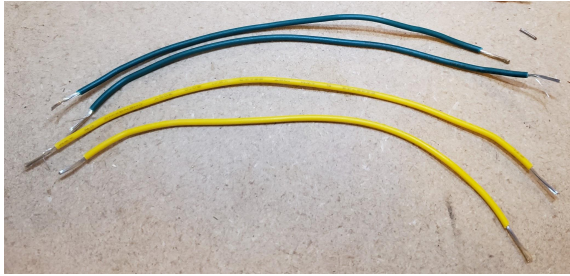


# tBB Electronics Part Preparation Guide



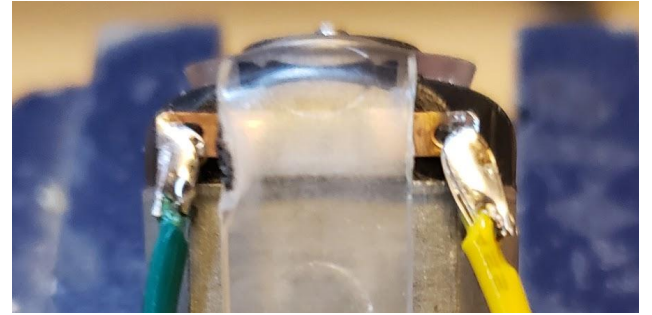
# Motor Preparation

1



Remove 5 to 7mm of insulation off both ends of the 4 stranded wires

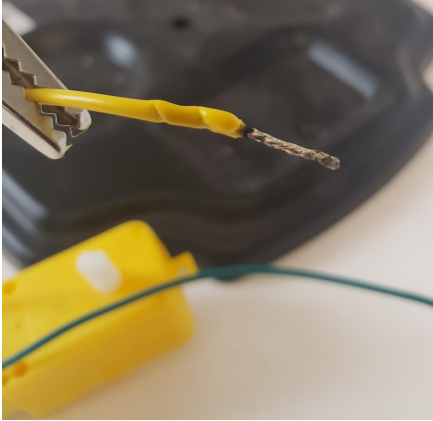
2



Solder the stranded wires to the geared robot motors so the wires are hanging down past the robot motor shaft. Put one of each color on each motor (use the same color side alignment on each motor - ex: yellow wire on the left)

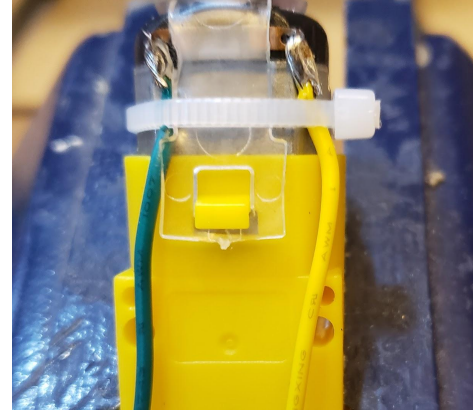
# Motor Preparation

3



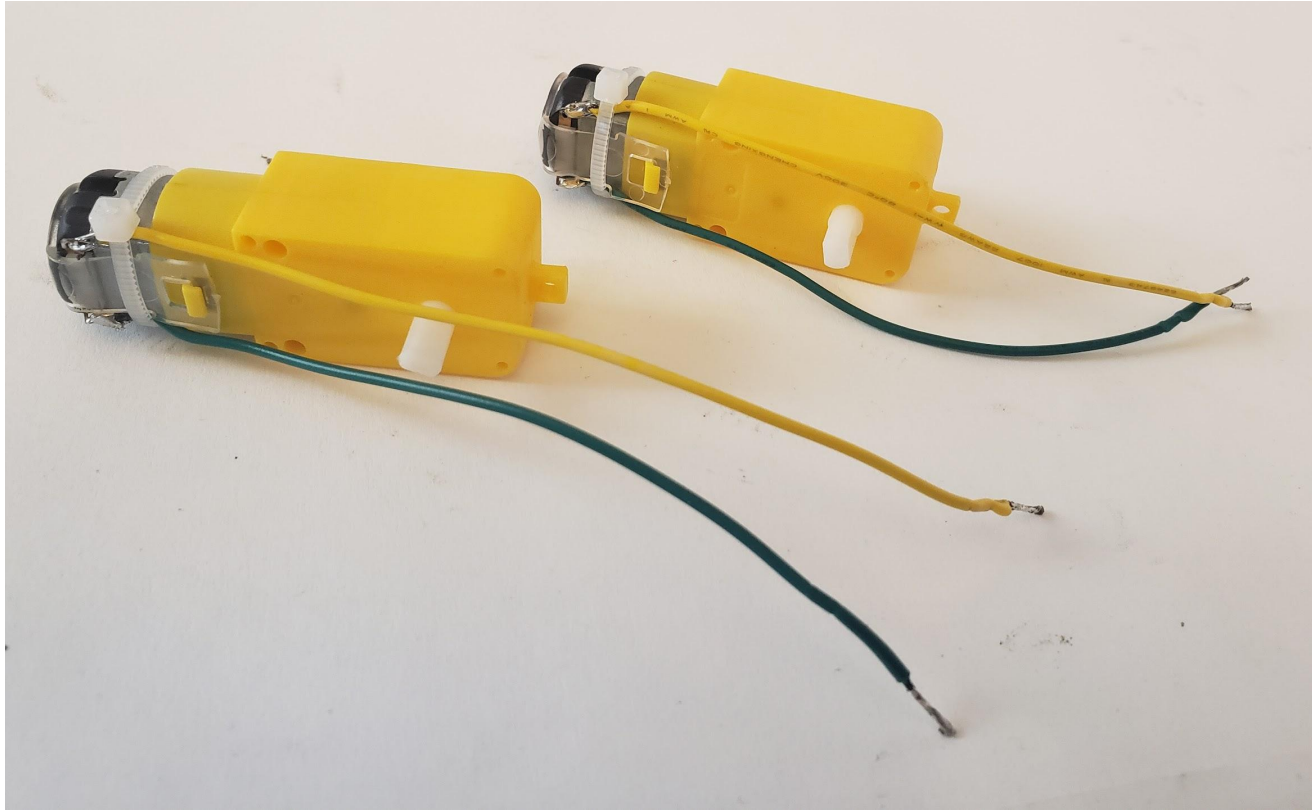
Apply solder to the other end of the wires (tinning) to create a solid section of exposed wire (this will make it easier to connect to the motor controller)

4

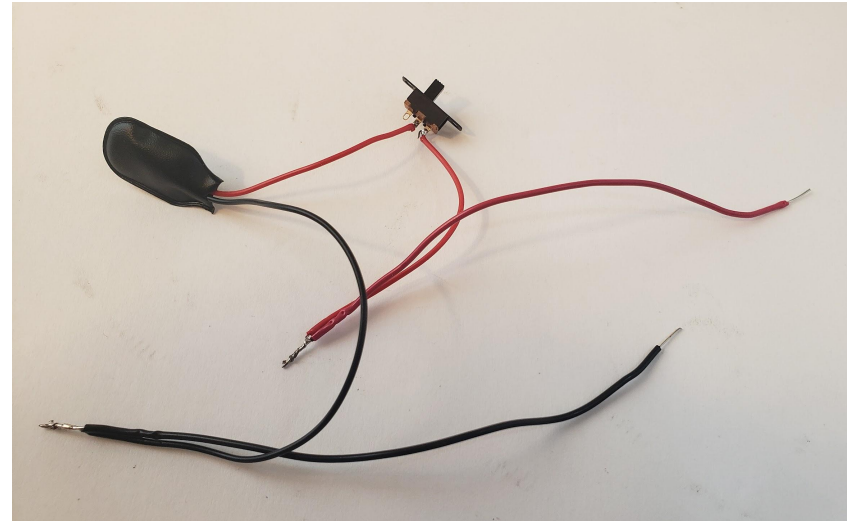
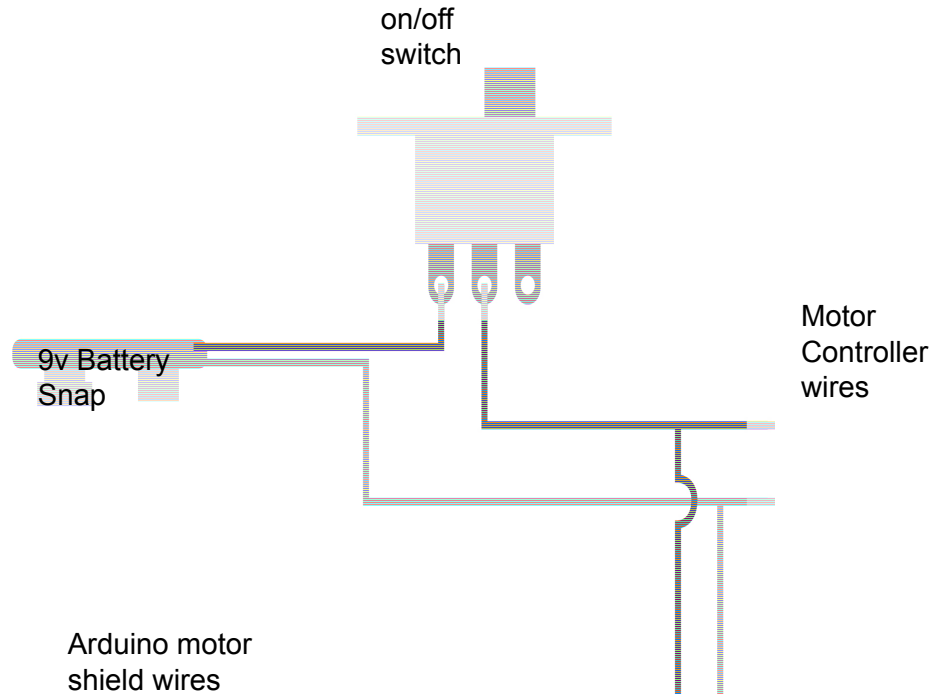


Tighten a zip tie around the motor housing over the wires (This prevents the copper tab on the motor from breaking)

# Completed Motor Preparation



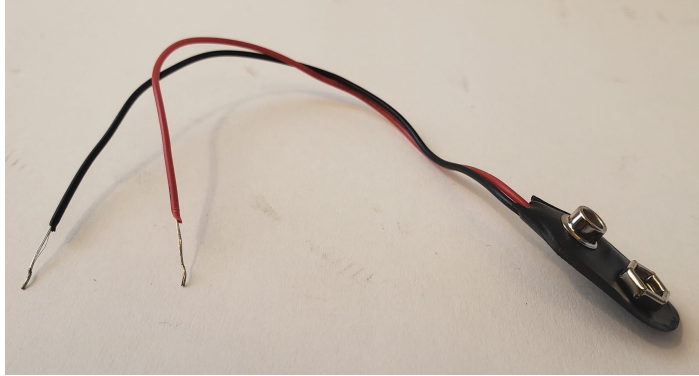
# Power Harness Preparation



Examine the Power Wiring Harness Diagram. This shows the electrical connections necessary to provide battery power to tBB

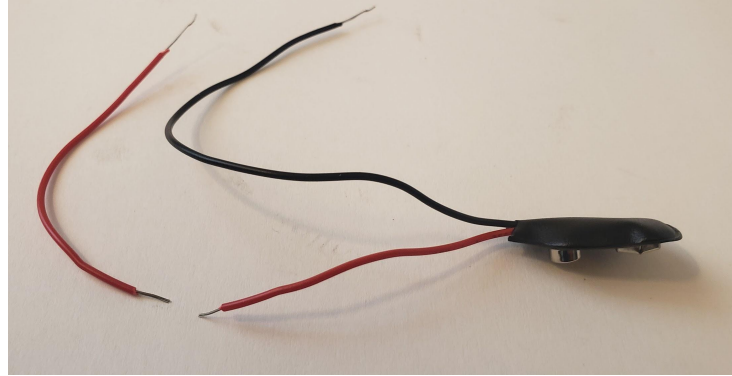
# Power Harness Preparation

1



Expose 10 mm of wire the 9v battery snap wires (only 3 or 4 will be showing)

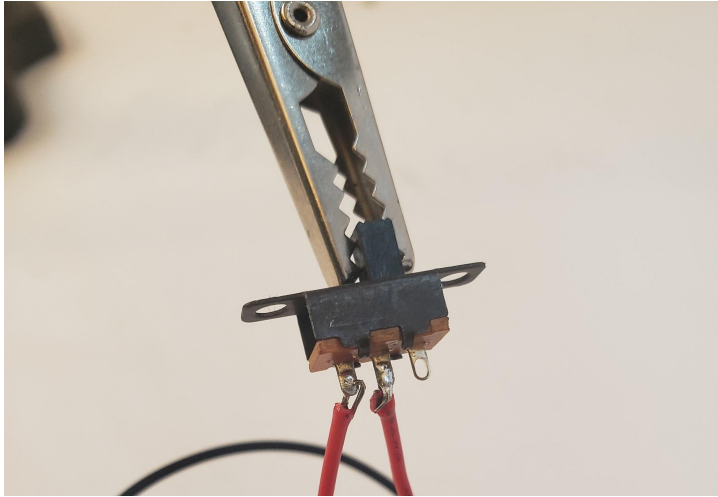
2



Cut the RED wire on the 9V battery snap about half way. Expose 5 mm of wire on both sections.

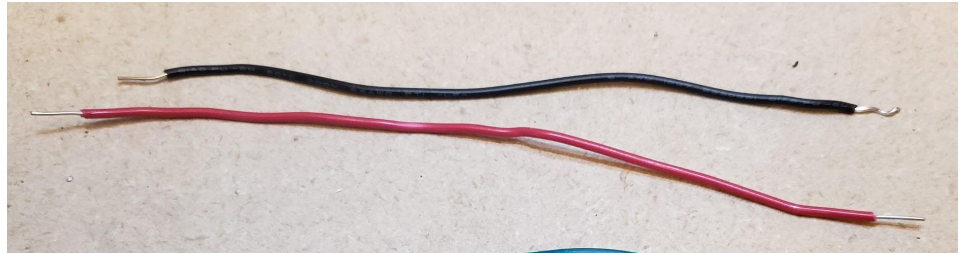
# Power Harness Preparation

3



Solder both red wires to the ON/OFF switch terminals as shown.

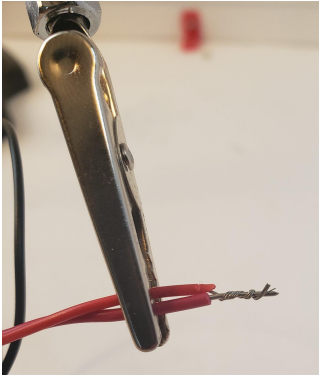
4



Expose 5 to 7mm of wire on red and black solid core wires

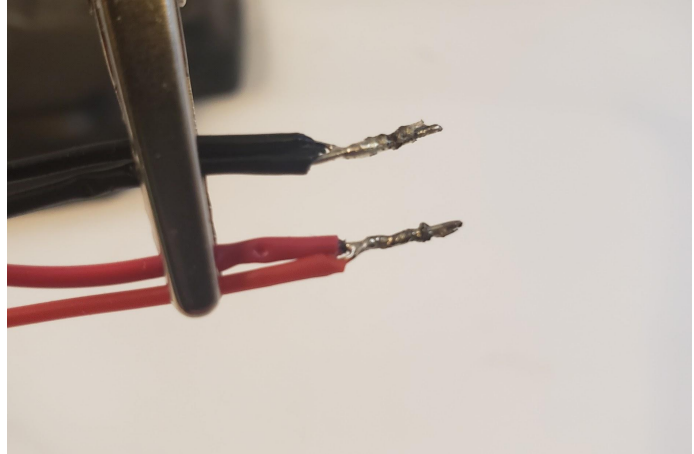
# Power Harness Preparation

5



Twist the stranded wires around the solid core wires (red to red & black to black).

6



Solder the wires together.



# Completed Power Harness Assembly

