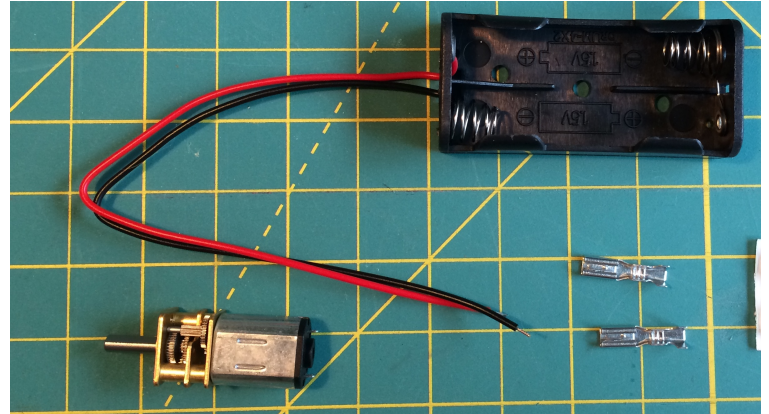


Battery Box and Motor Assembly Instructions

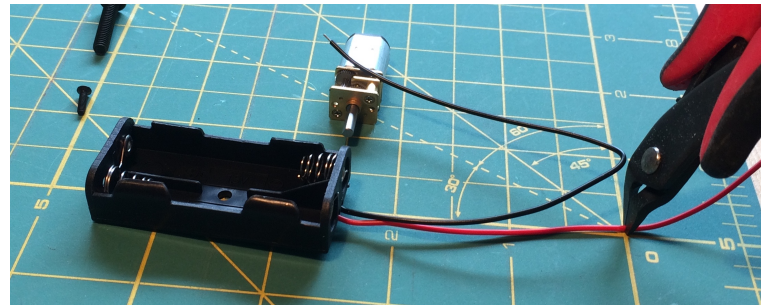
If you have the self-solder kit follow these instructions to assemble the electrical components.

Gather the components:

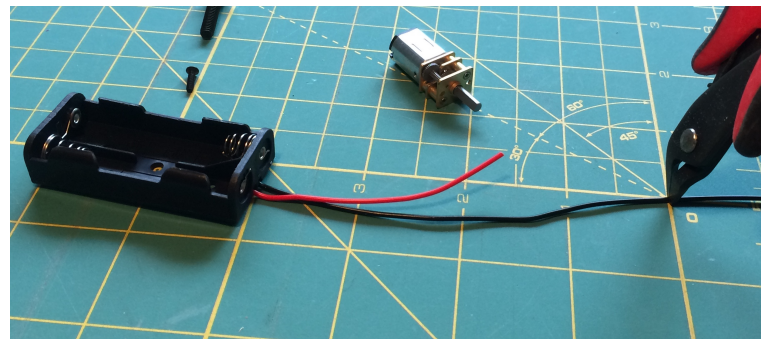
Battery box with pre-attached wires
N20 motor
2 pushbutton crimp-connectors



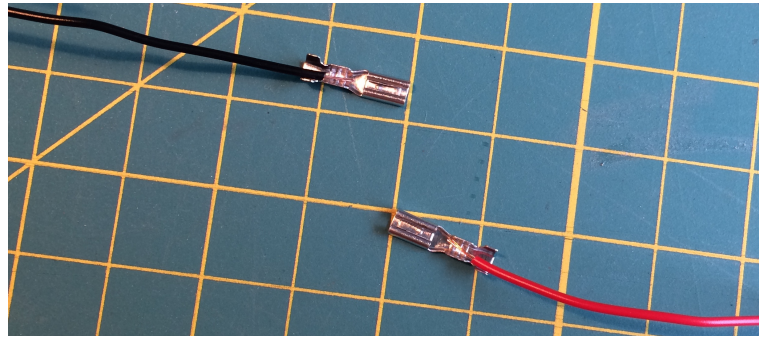
Trim the red wire to 2.5 inches, and strip about 1/8 inch of insulation from its end. Don't discard the extra portion of red wire. We'll use that in a later step.



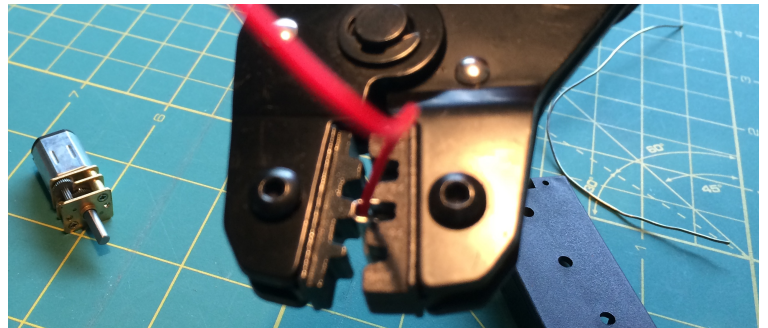
Trim the black wire to 4.0 inches, and strip about 1/4 inch of insulation from its end. You can discard the unused portion of black wire.



Attach the black wire from the battery box to one of the pushbutton crimp connectors, and the extra piece of red wire to the other connector. (If you don't have a crimping tool it is a good idea to solder the wires to the connectors).



Crimp the connectors to the wires.



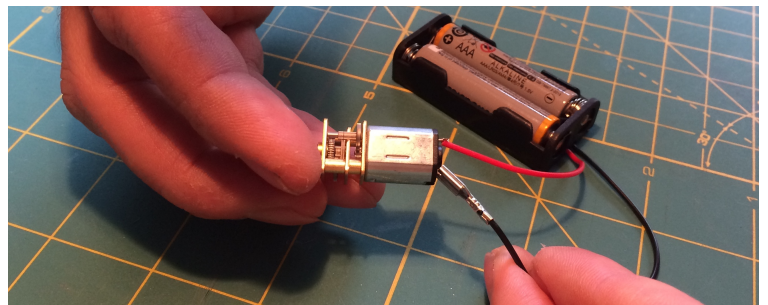
Or, use a pair of pliers to close the connectors wings around the wires.



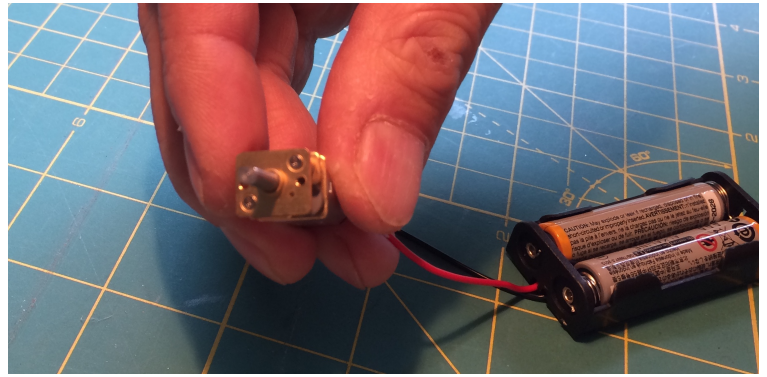
Now we're going to test the motor connection to make sure it will turn in the Clockwise direction. Insert two AAA batteries into the battery holder.



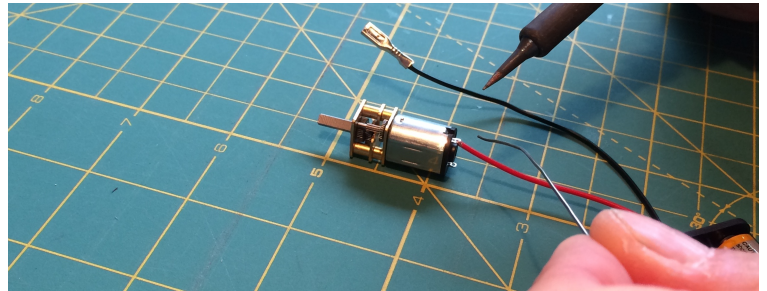
Temporarily attach the motor to the wires from the battery box and observe it's direction.



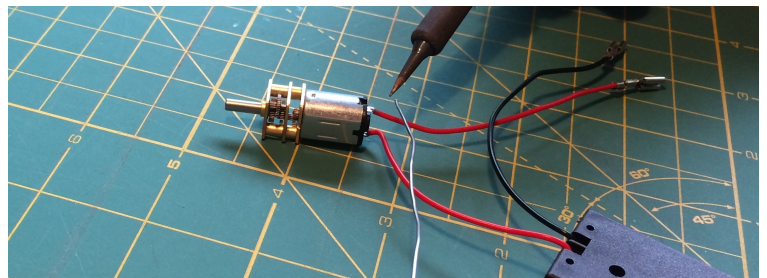
If the motor is turning clockwise you've got the correct orientation. If not, swap the wires.



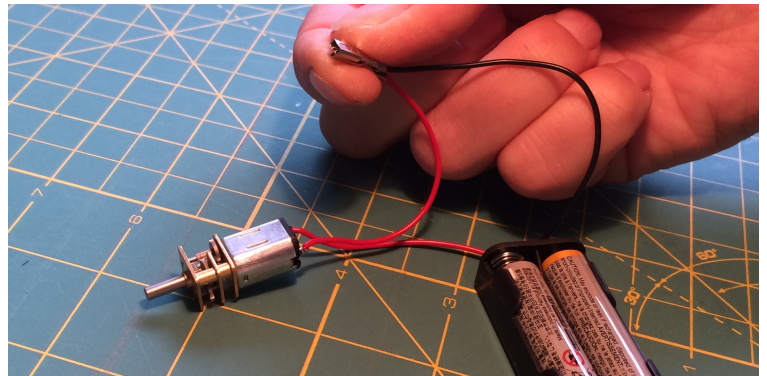
Solder the red wire that's attached to the battery box to the motor.



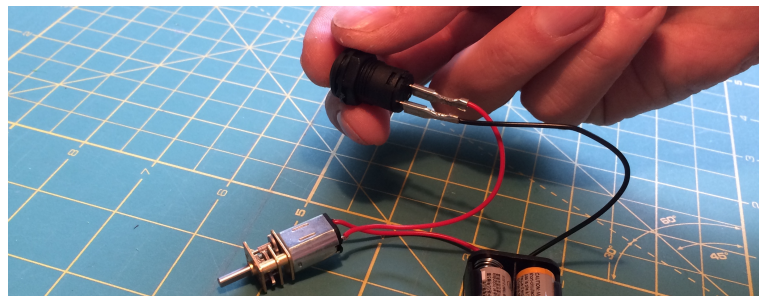
Solder the other red wire to the other motor terminal.



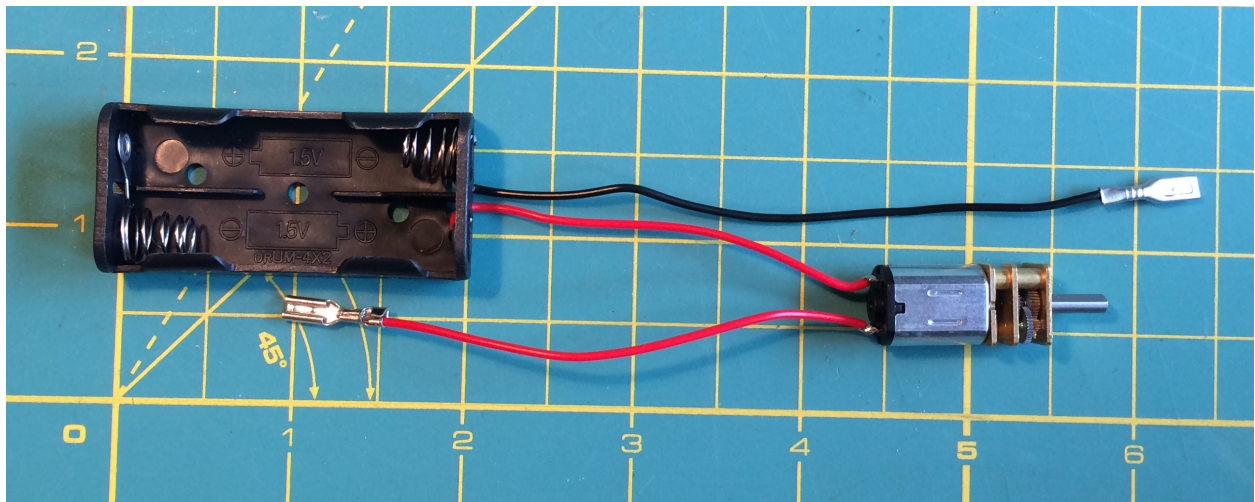
Hold the two pushbutton connectors together and make sure the motor is turning clockwise.



Finally, temporarily attach the pushbutton and make sure that it can turn the motor on and off.



You're done with the electrical components assembly. The completed assembly should look like this:



Return to the main instructions to continue with the model build.

December 3rd, 2018