

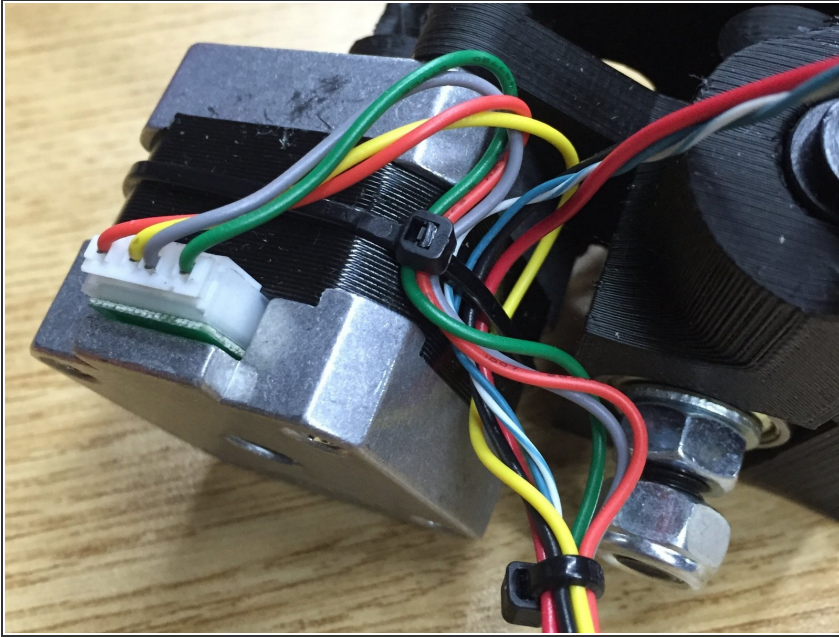
firepickdelta

Final Wiring of the 3D Printing Modular Tool

Written By: Neil Jansen

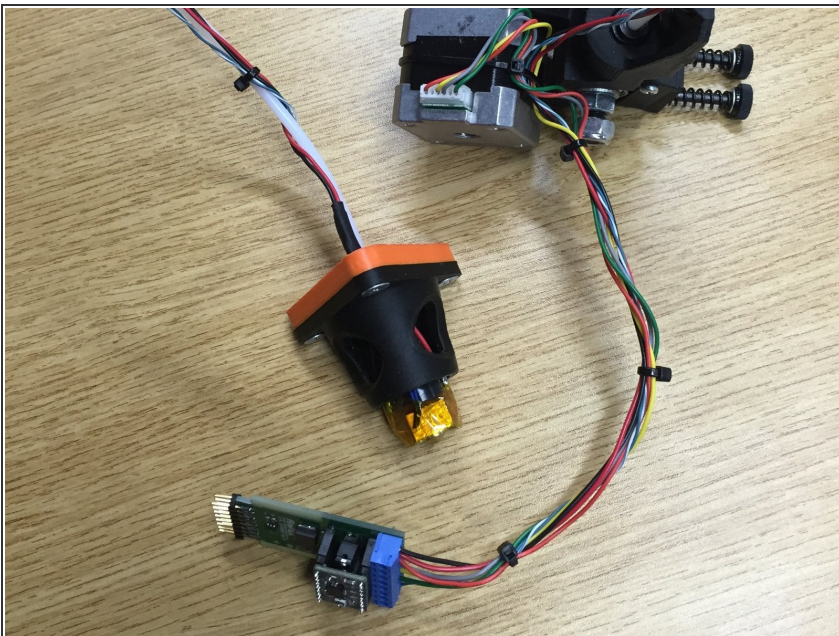


Step 1 — Route Wires



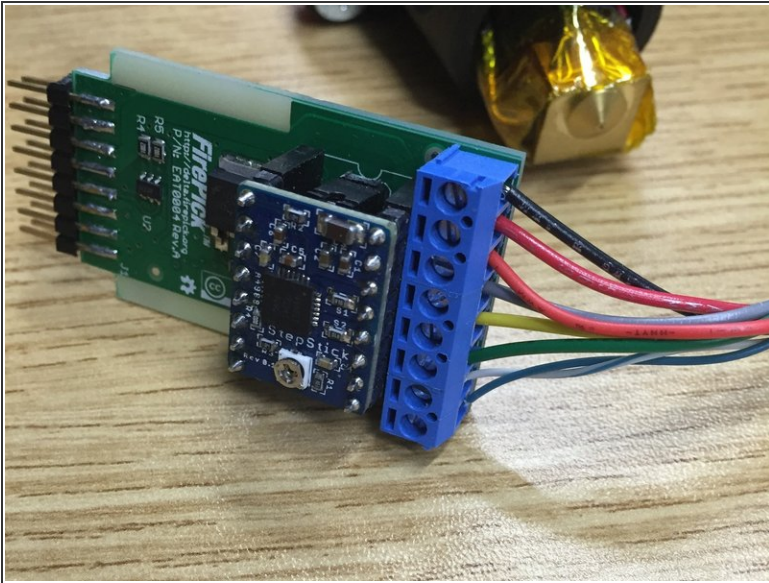
- Route the stepper motor wires and the hotend wires as shown. The wires should exit "up" towards where it would plug into the EMC02 motion controller board.
- Use cable ties to hold the wires against the motor so that they don't rub on the Wade extruder large herringbone gear.

Step 2 — Route Wires to EAT0004 module



- Route the wires to the EAT0004 module.
- Note: We'll define which wires go to which terminal block positions in the next step.

Step 3 — Insert Wires Into EAT0004 Module



COLOR CODE #1	COLOR CODE #2	TERMINAL PIN
GREEN	BLUE	6
GRAY	GREEN	4
YELLOW	RED	5
RED	BLACK	3

- Insert wires into the terminal block of the EAT0004 as shown.
 - Pin 1 and 2: Pin 1 goes to the hotend's black wire. Pin 2 goes to the hotend's red wire.
 - Pin 3: Stepper motor red wire
 - Pin 4: Stepper motor gray wire
 - Pin 5: Stepper motor yellow wire
 - Pin 6: Stepper motor green wire
 - Pin 7 and 8: Thermistor (twisted pair, color varies). NOTE: The thermistor doesn't have polarity, you may connect either pin as necessary.
- (i) NOTE:** Some of the stepper motors had a different wire color coding. If your cables have the colors blue, green, red, and black, please use the cross-reference in the second picture displayed in this step.

Step 4 — Refer to Commissioning Guide Before Using



- Please follow all steps of the [commissioning guide](#) before using this modular tool.