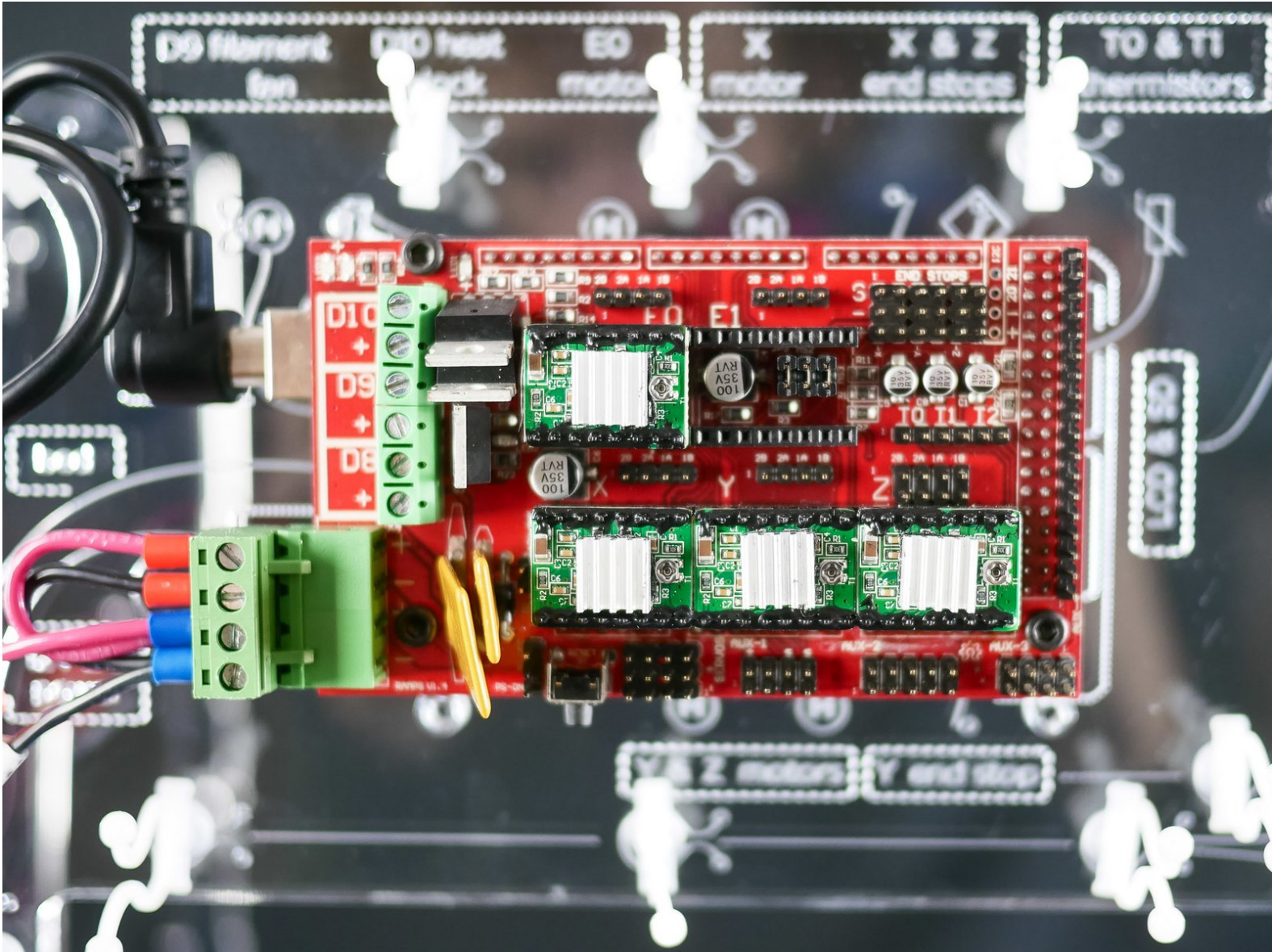




Electronics

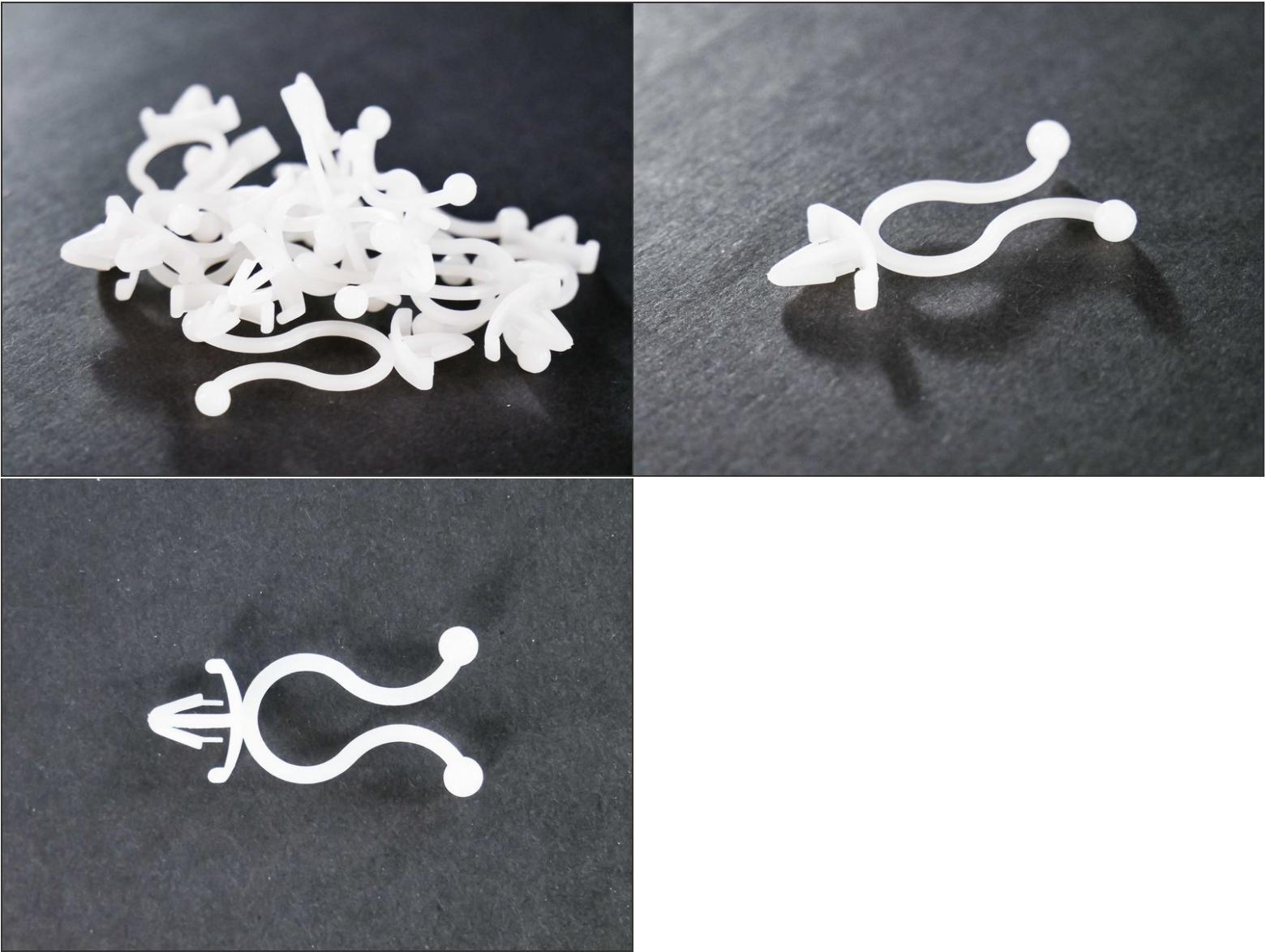
Electronics



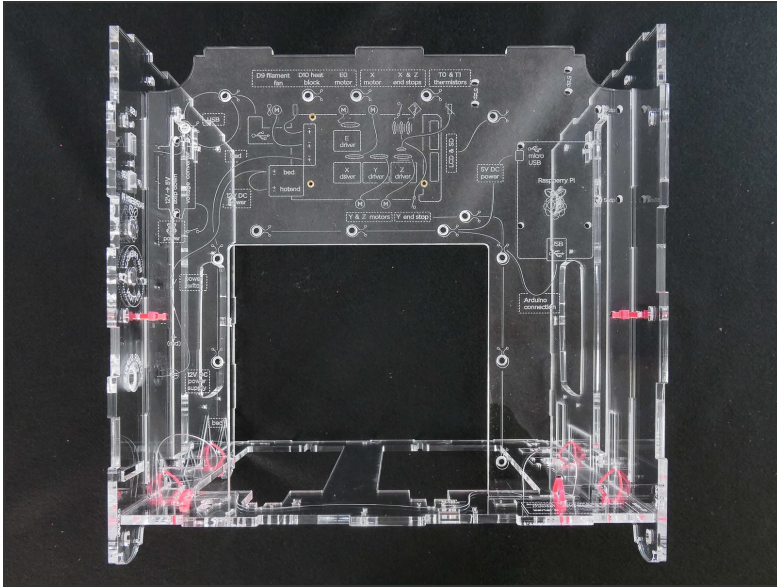
INTRODUCTION

Not the guide you are looking for?

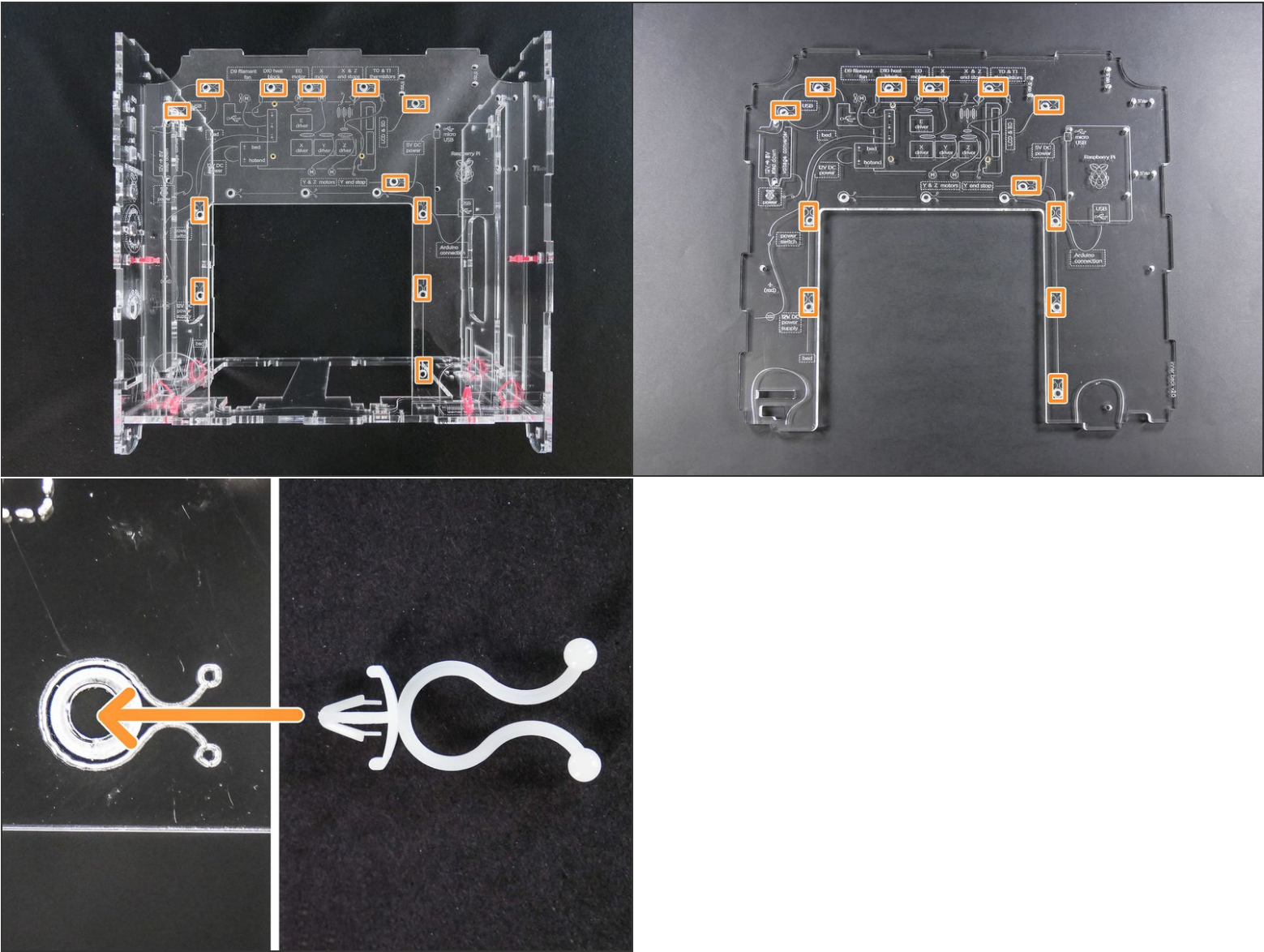
Go back to the [← Easy Kit Build Flow.](#)

Step 1 — ↳ Twist Locks

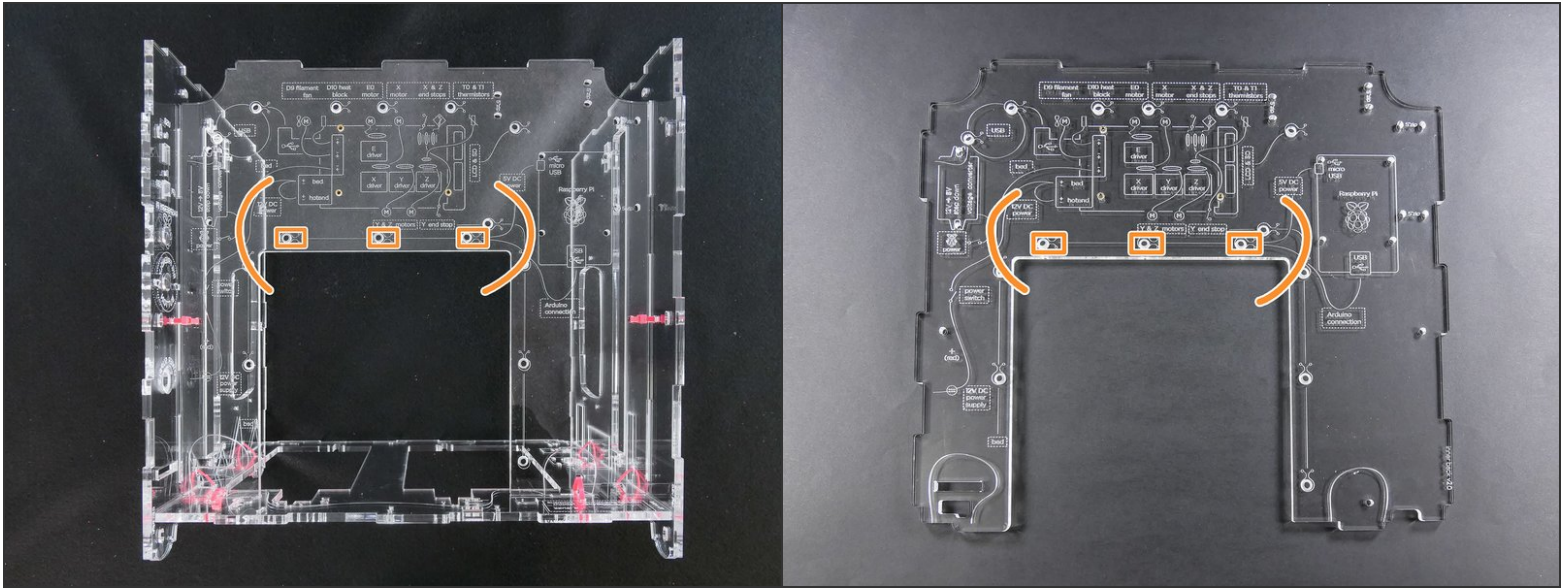
Step 2



Step 3

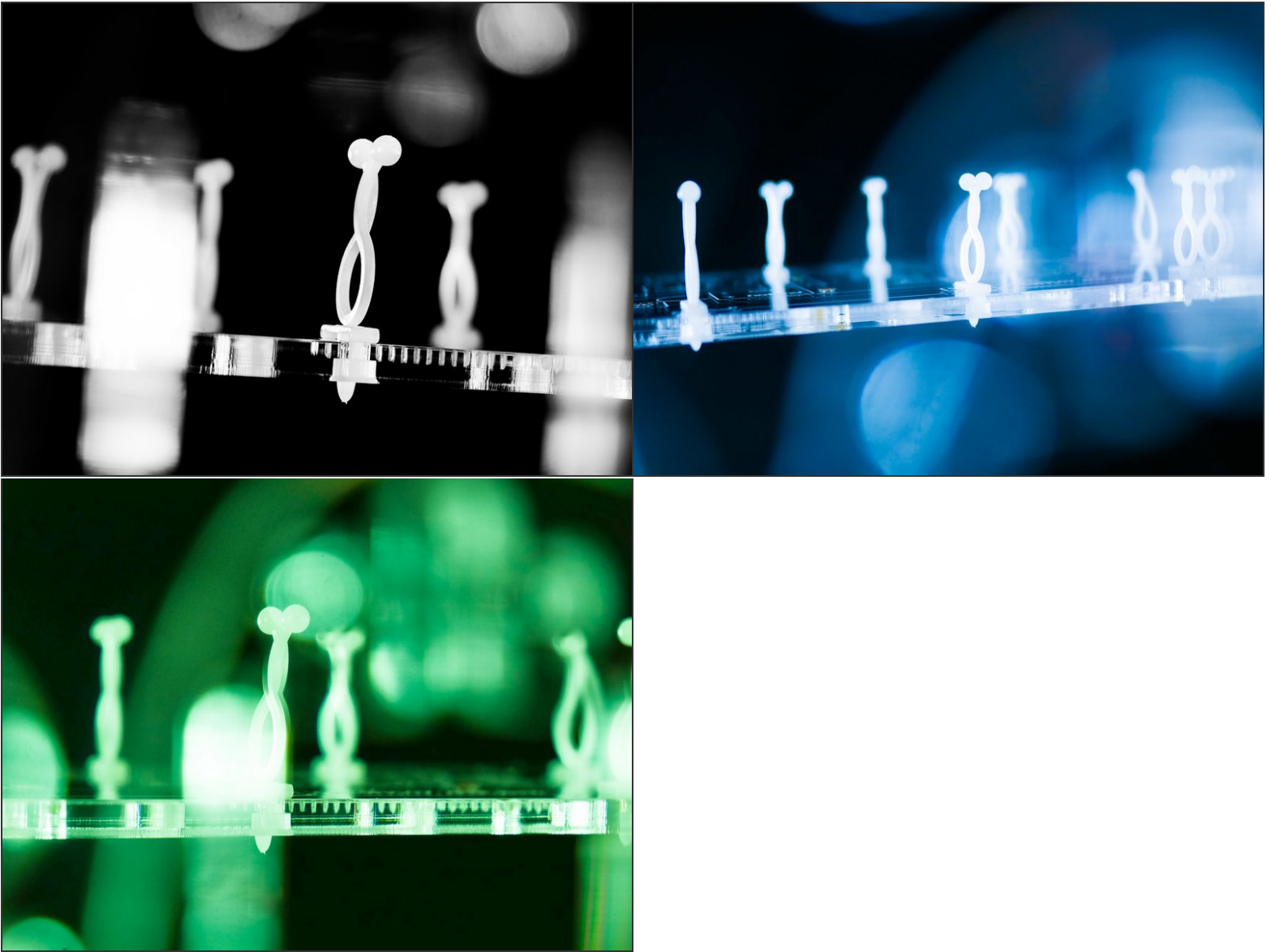


Step 4



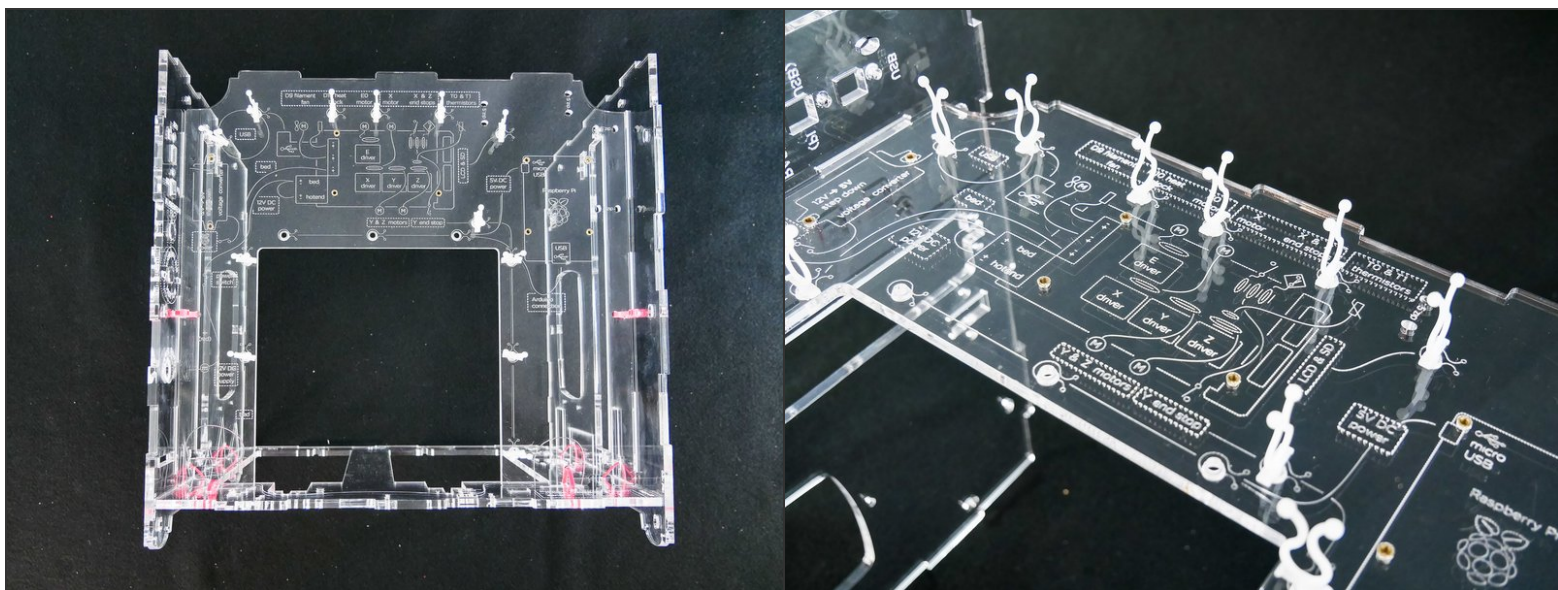
i PS: **Don't** worry about these three. They are used for the Raspberry Pi upgrade. You may use them later or not.

Step 5



- All this beauty...

Step 6 — Looking good!

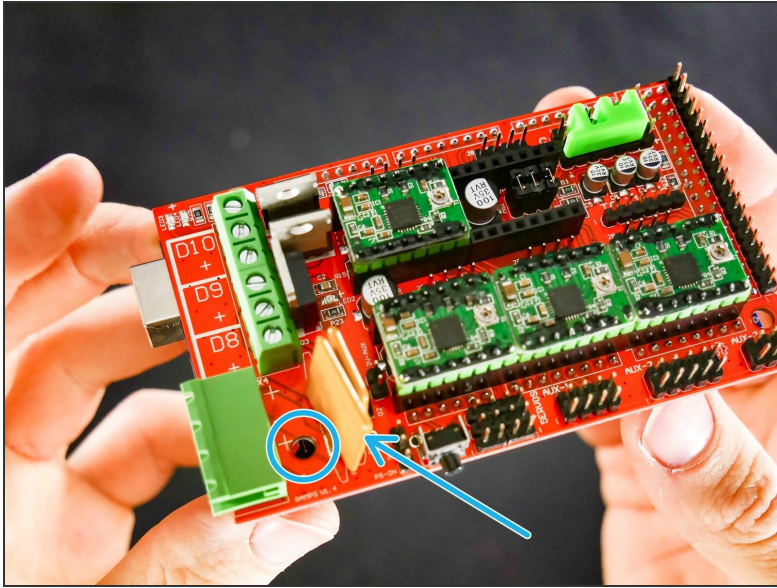


Step 7 — ↳ Arduino + RAMPS



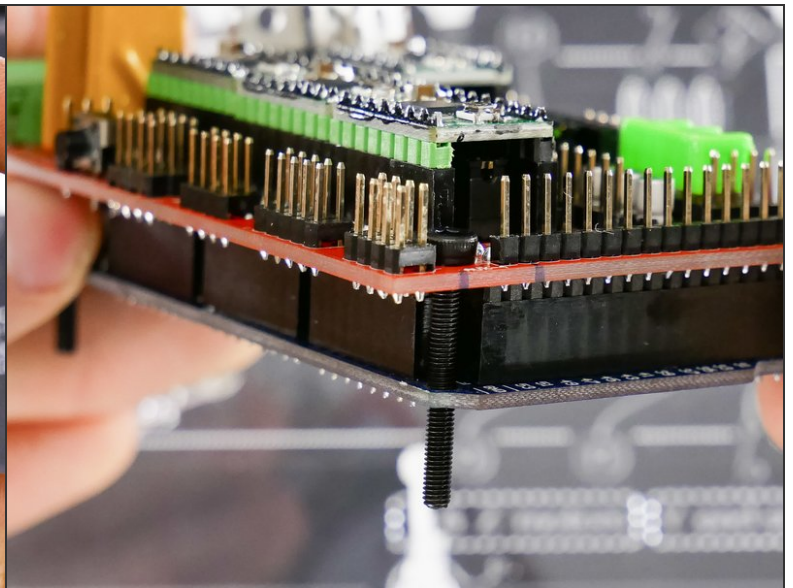
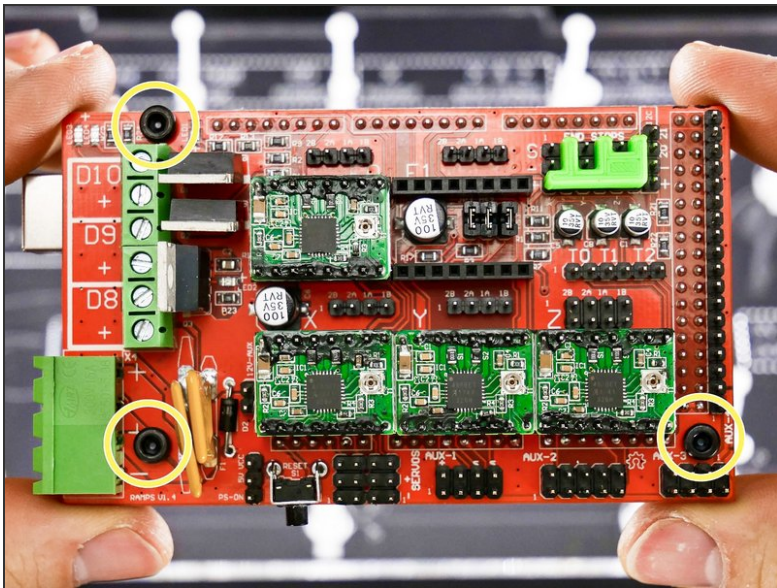
- M3x25

Step 8



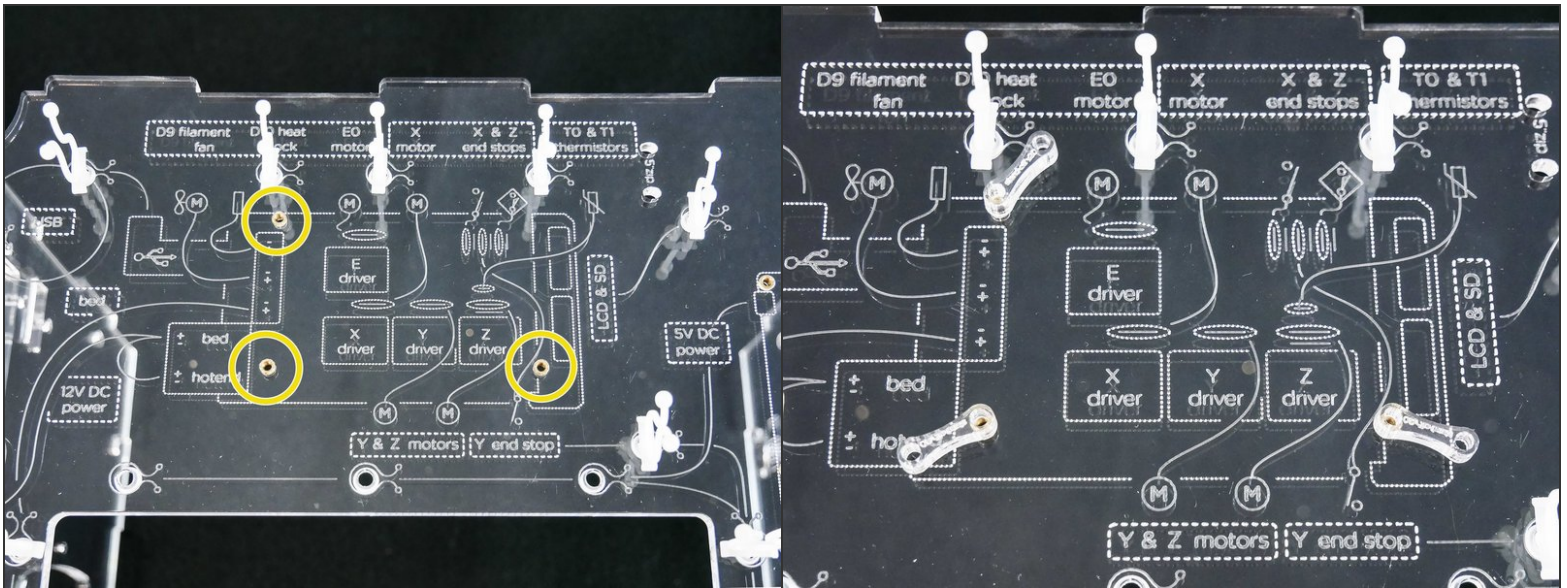
- These yellow rectangular fuses may be hiding this hole. Fearlessly but **gently** bend them away.

Step 9

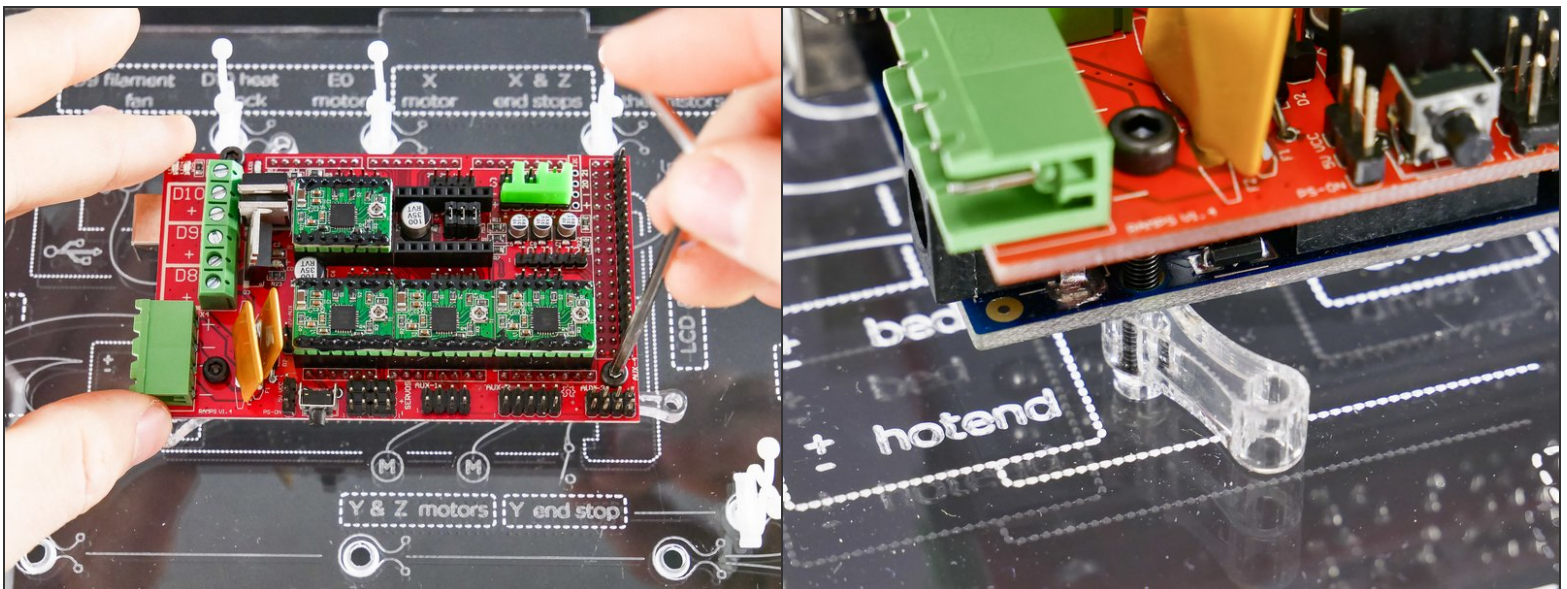


- M3x25

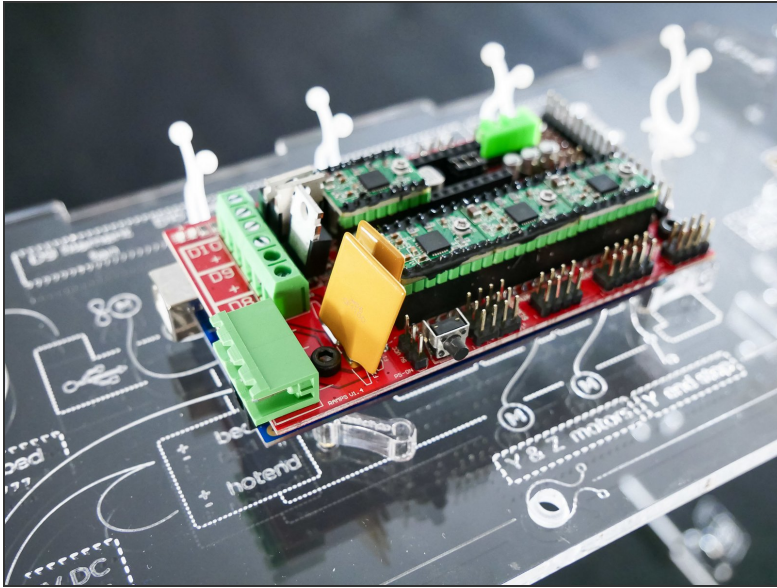
Step 10



Step 11



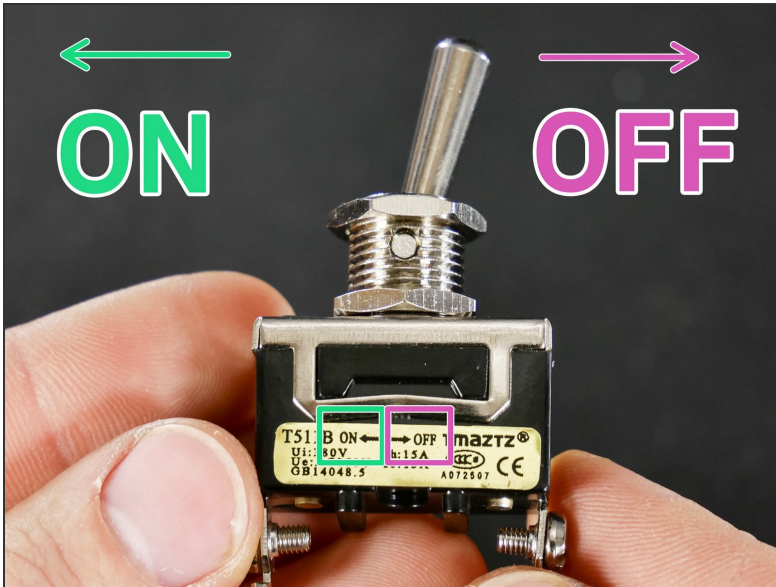
Step 12 — Looking good!



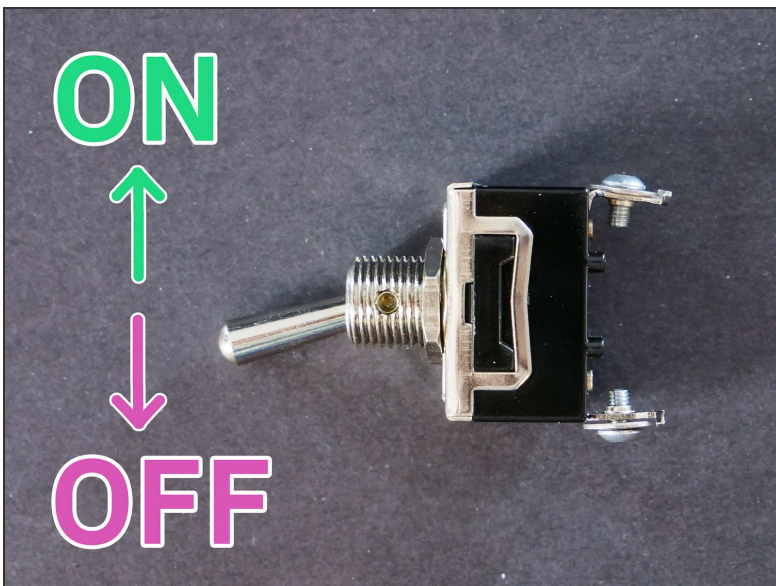
Step 13 — ↴ Power Switch



Step 14

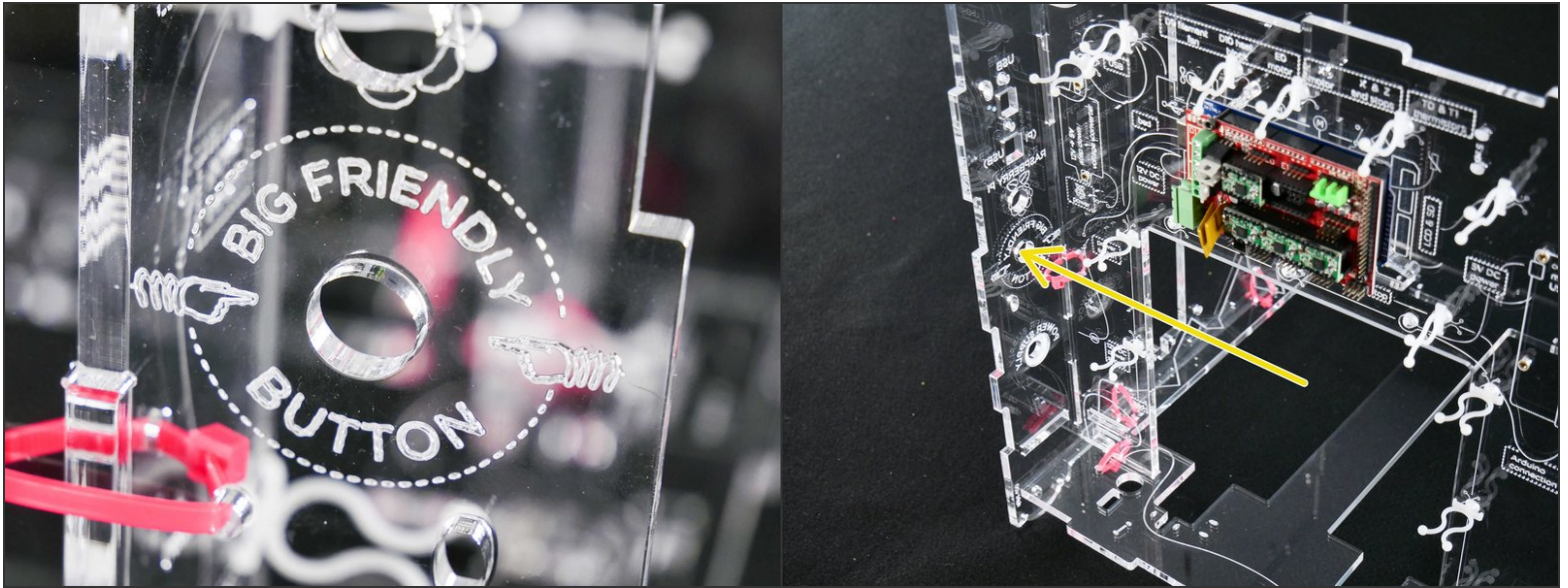


Step 15



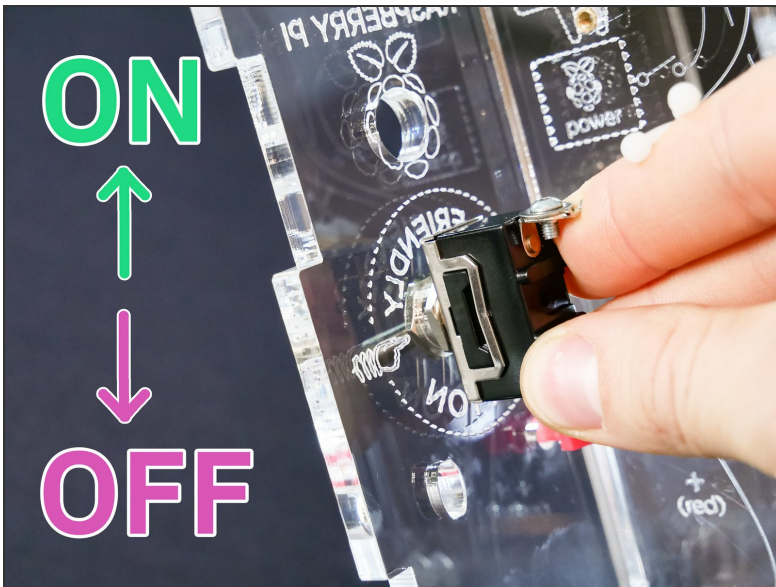
- i** It is customary to install switches with "OFF" pointing down. This way, when you need to turn the machine off fast (emergency), you can just strike down and let the gravity guide you.

Step 16

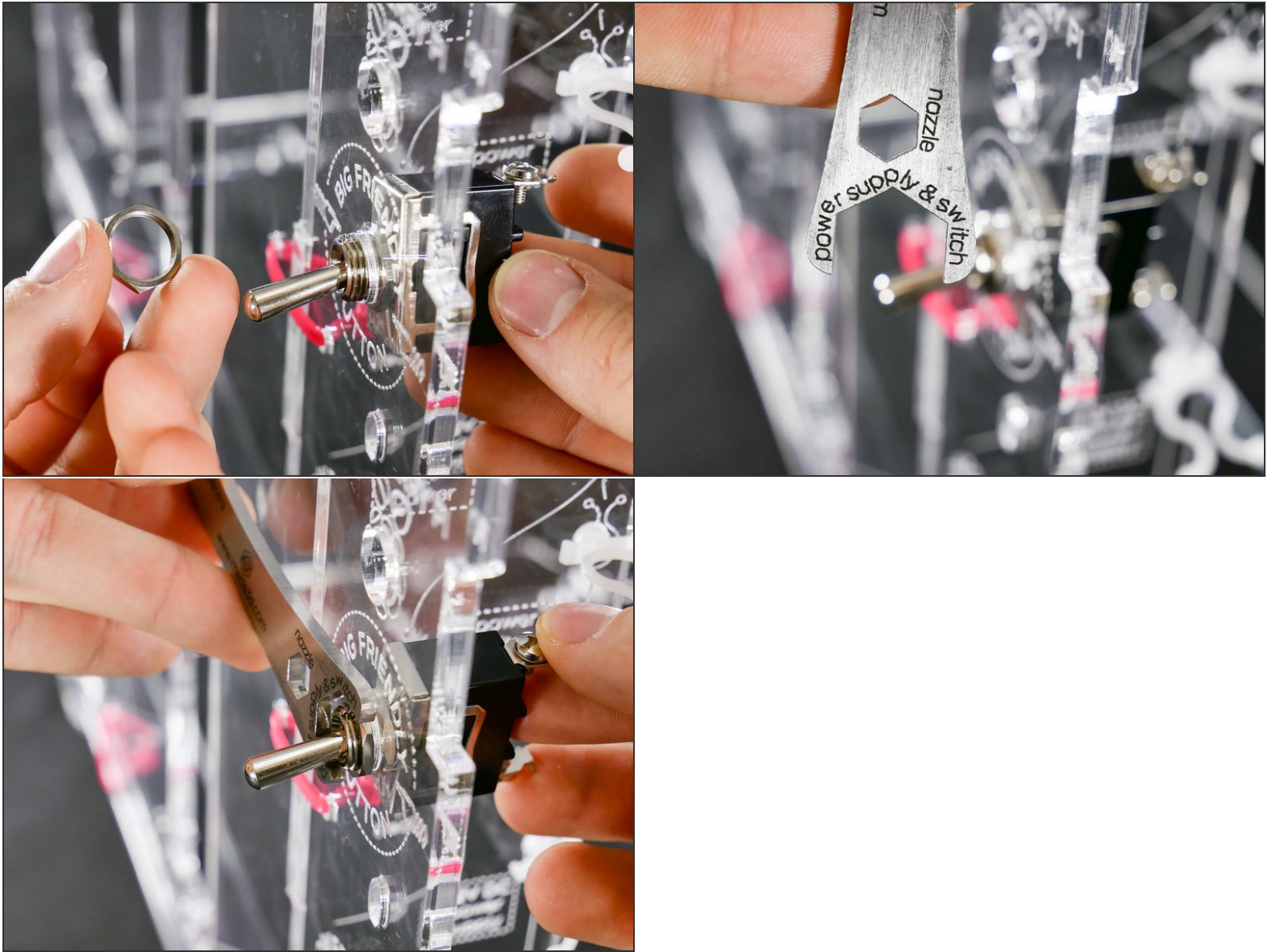


 You should know that our [BIG FRIENDLY BUTTON](#) is actually a **toggle switch**.

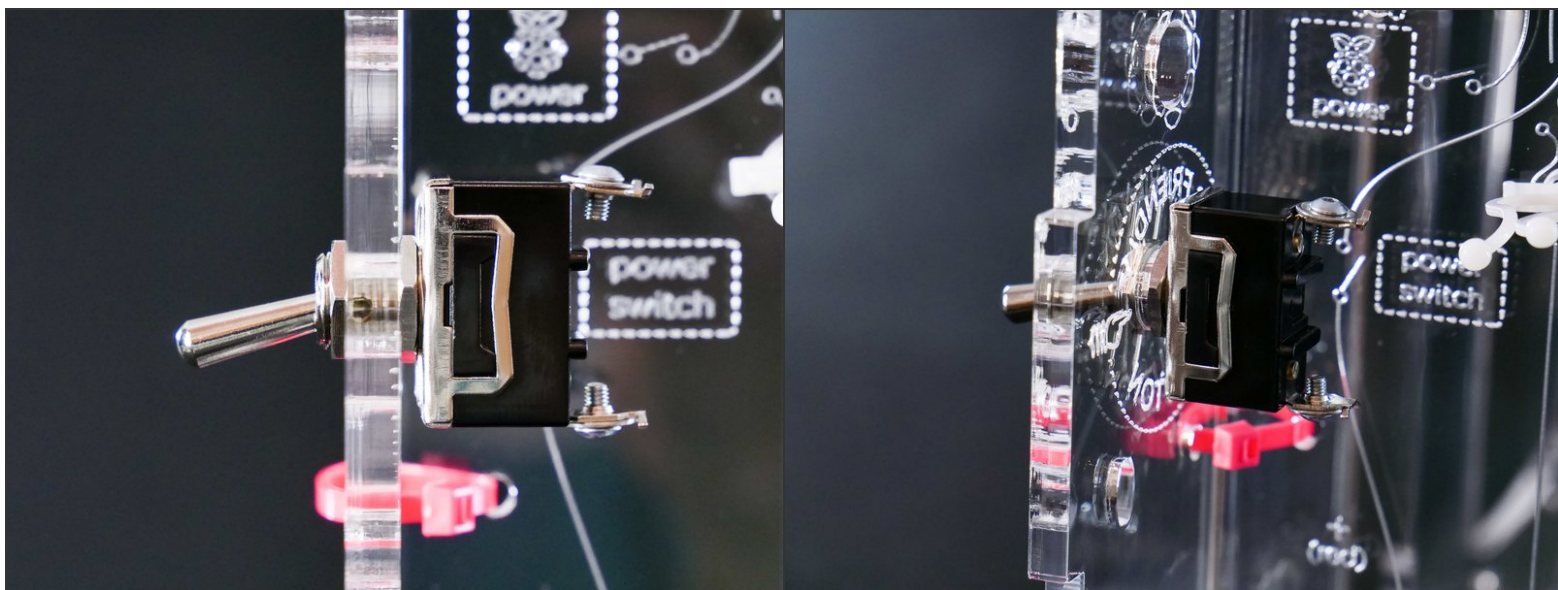
Step 17



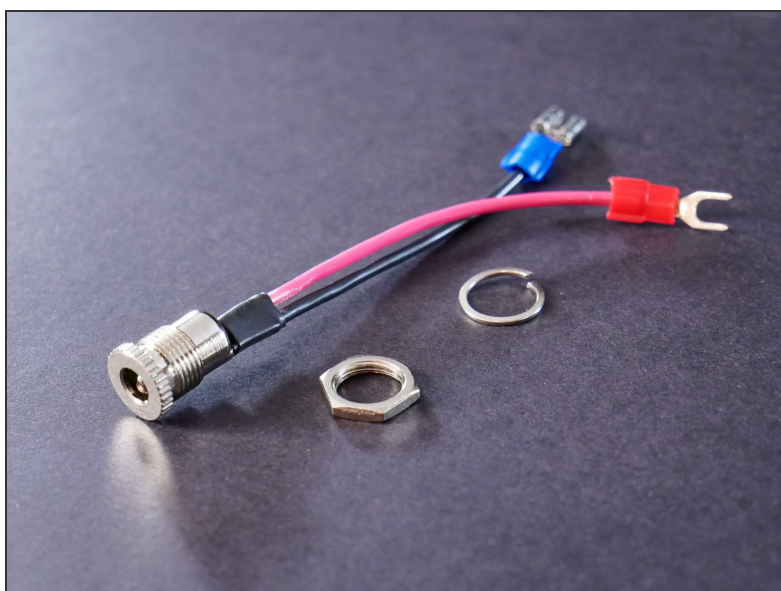
Step 18



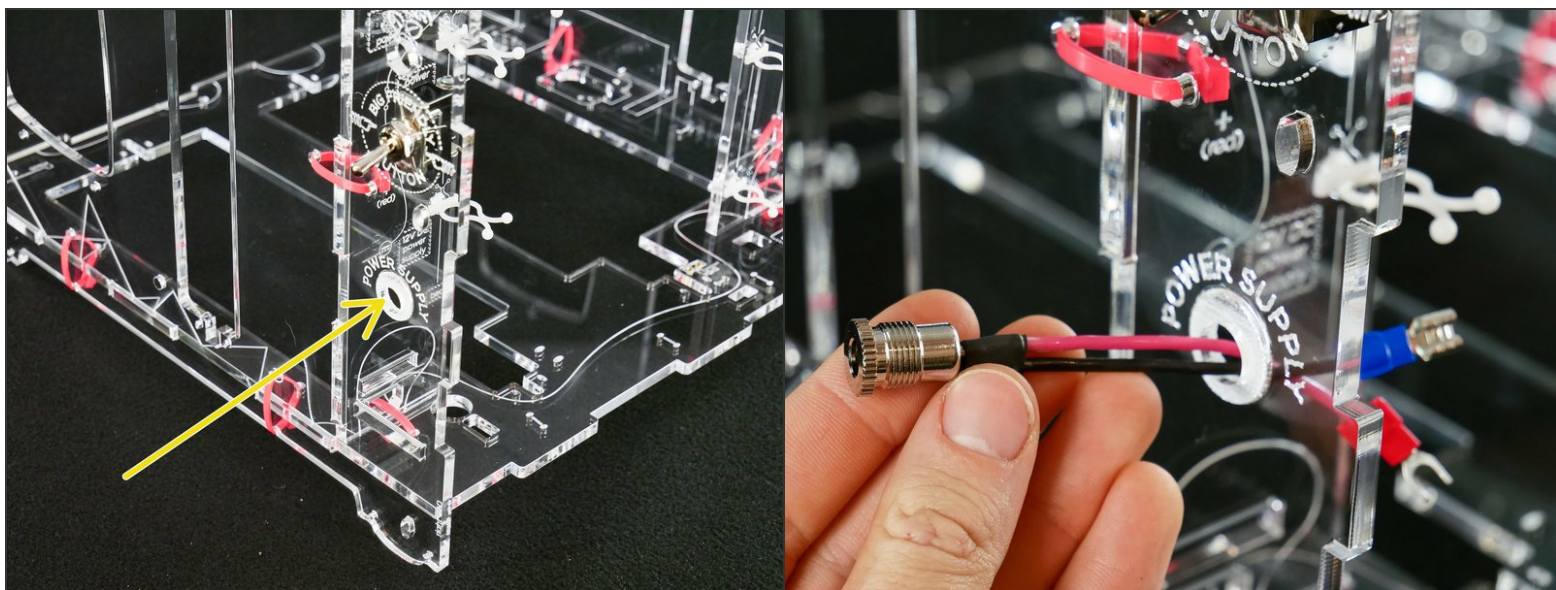
Step 19 — Looking good!



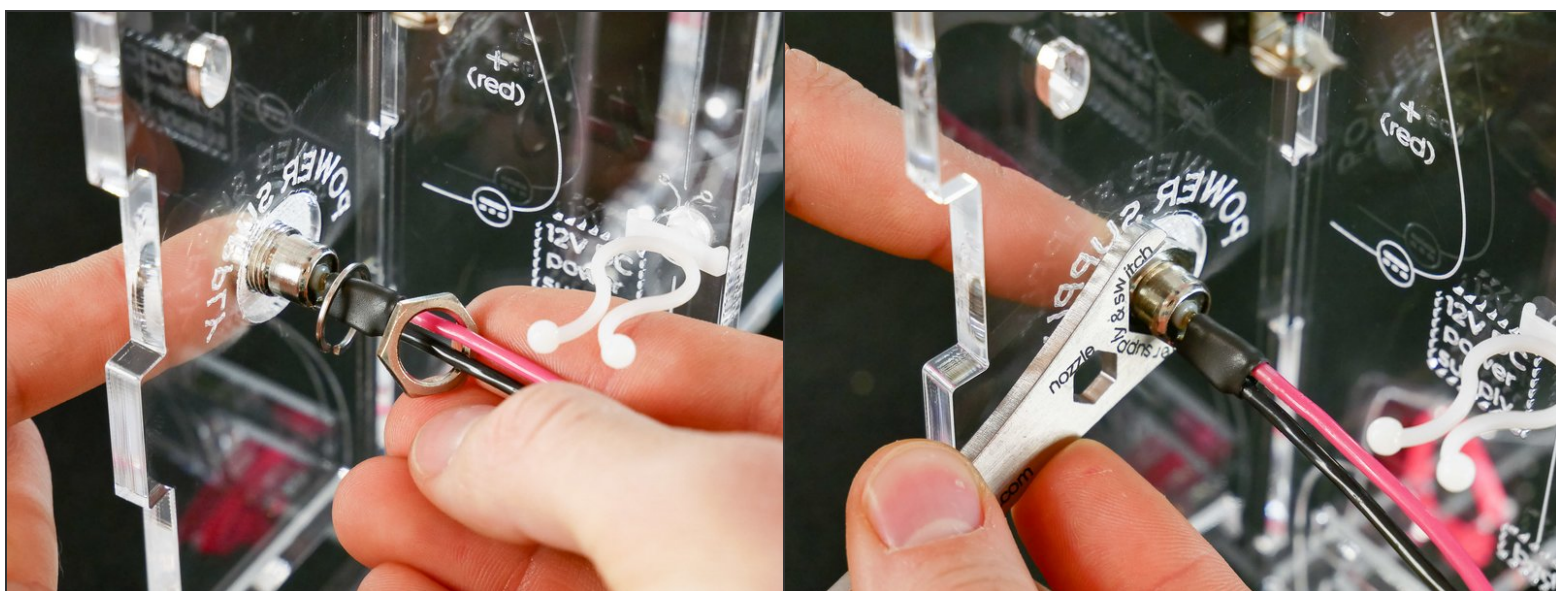
Step 20 — ↳ Power Supply



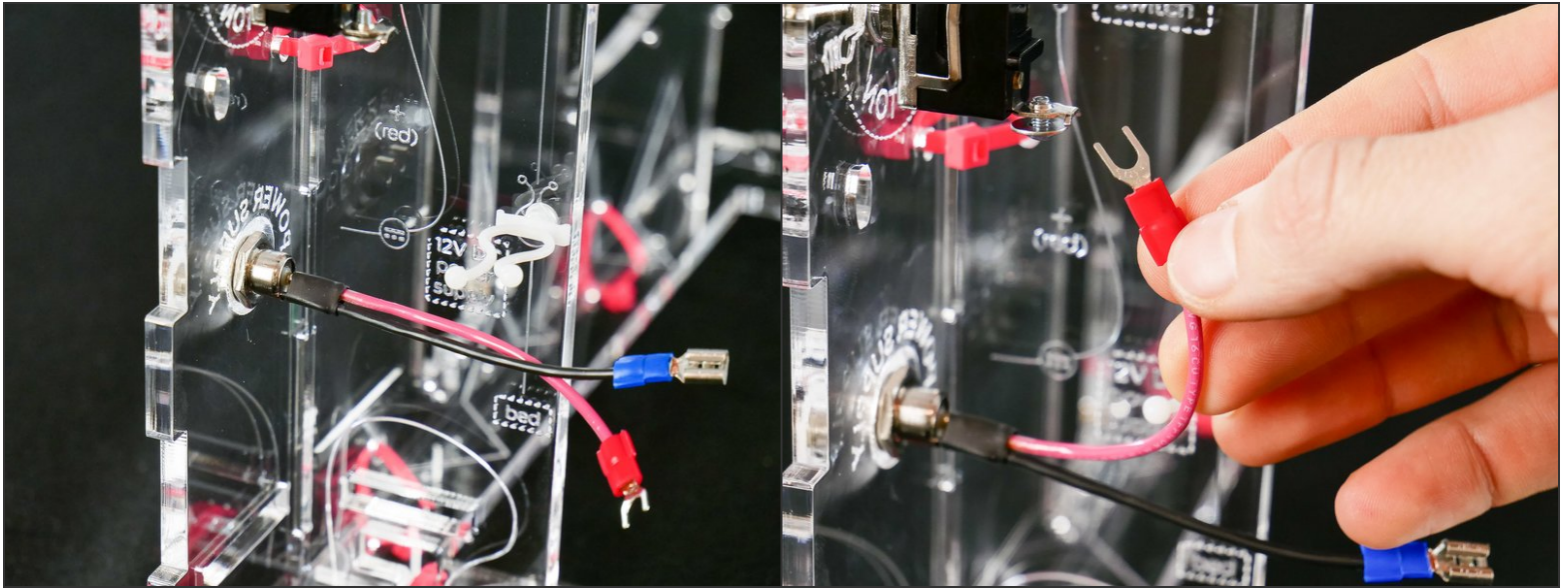
Step 21



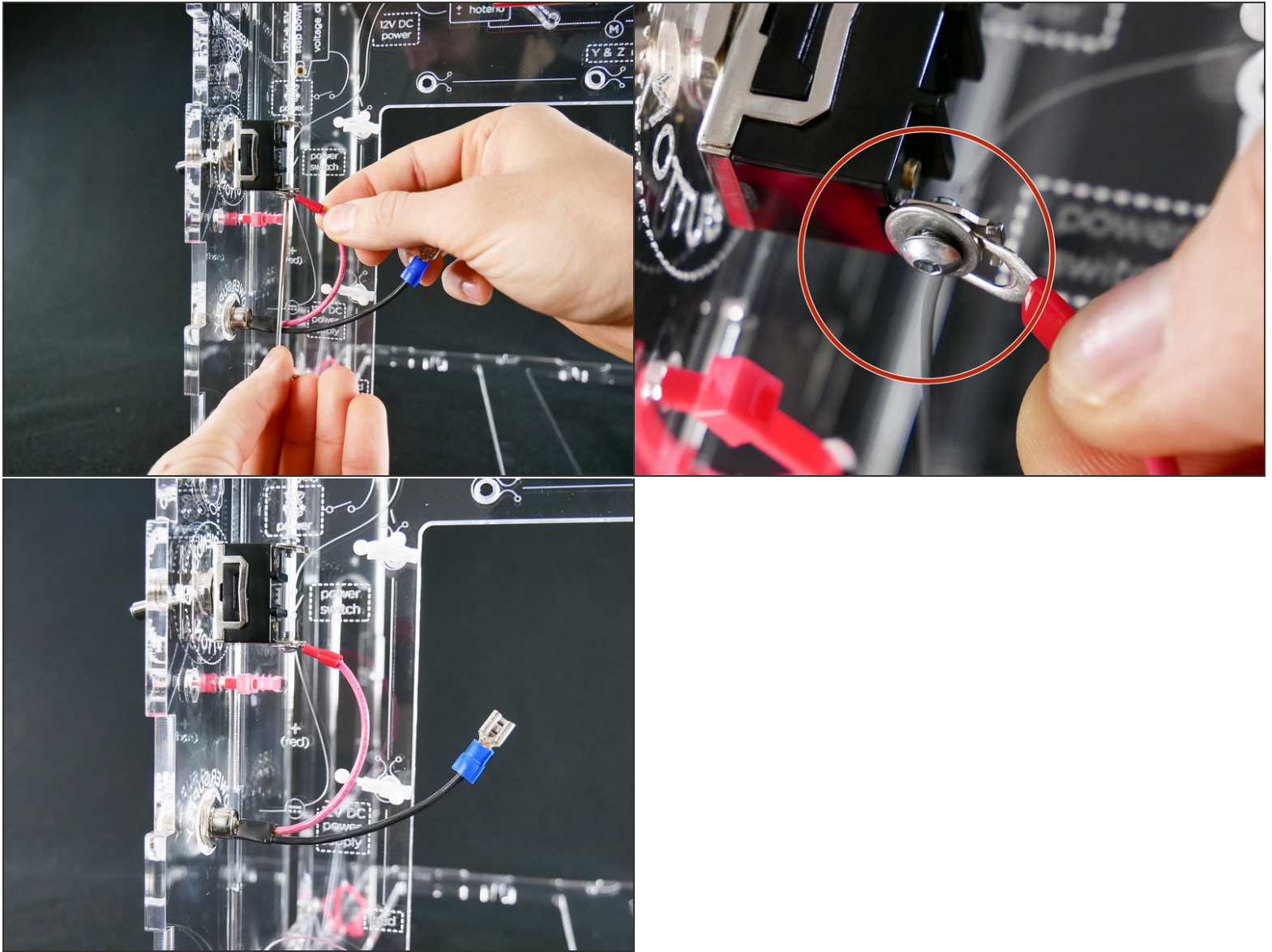
Step 22



Step 23



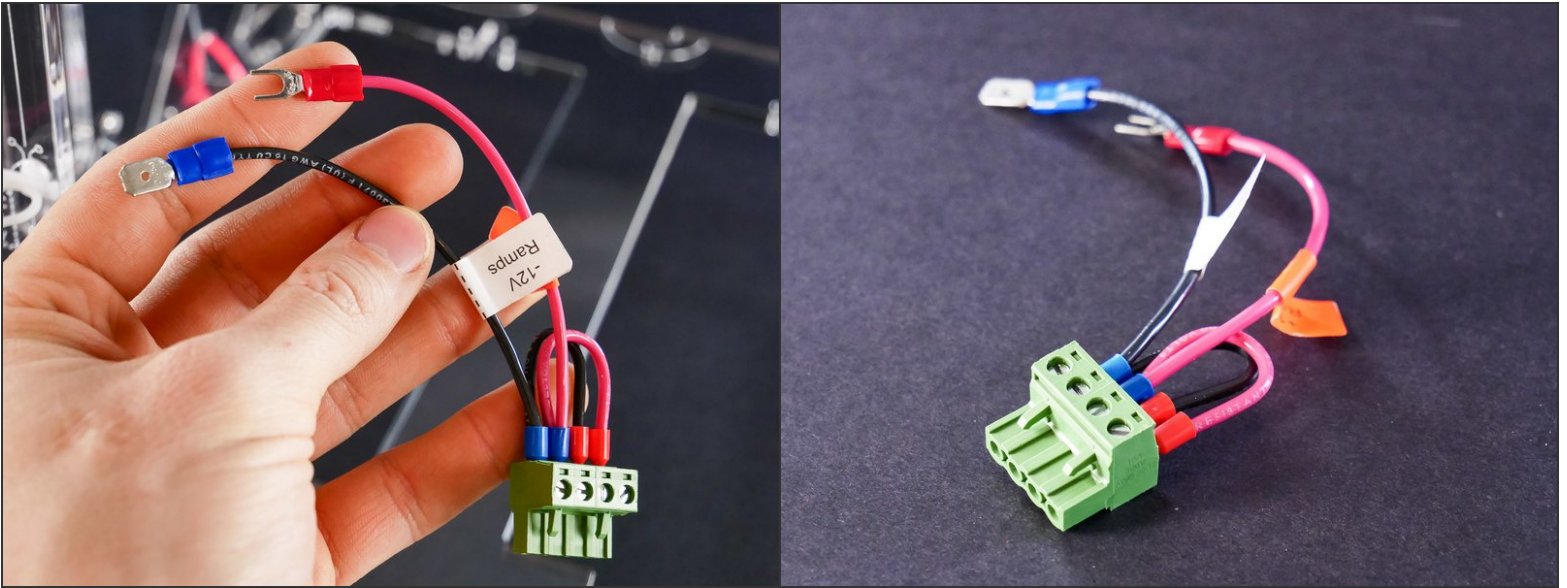
Step 24



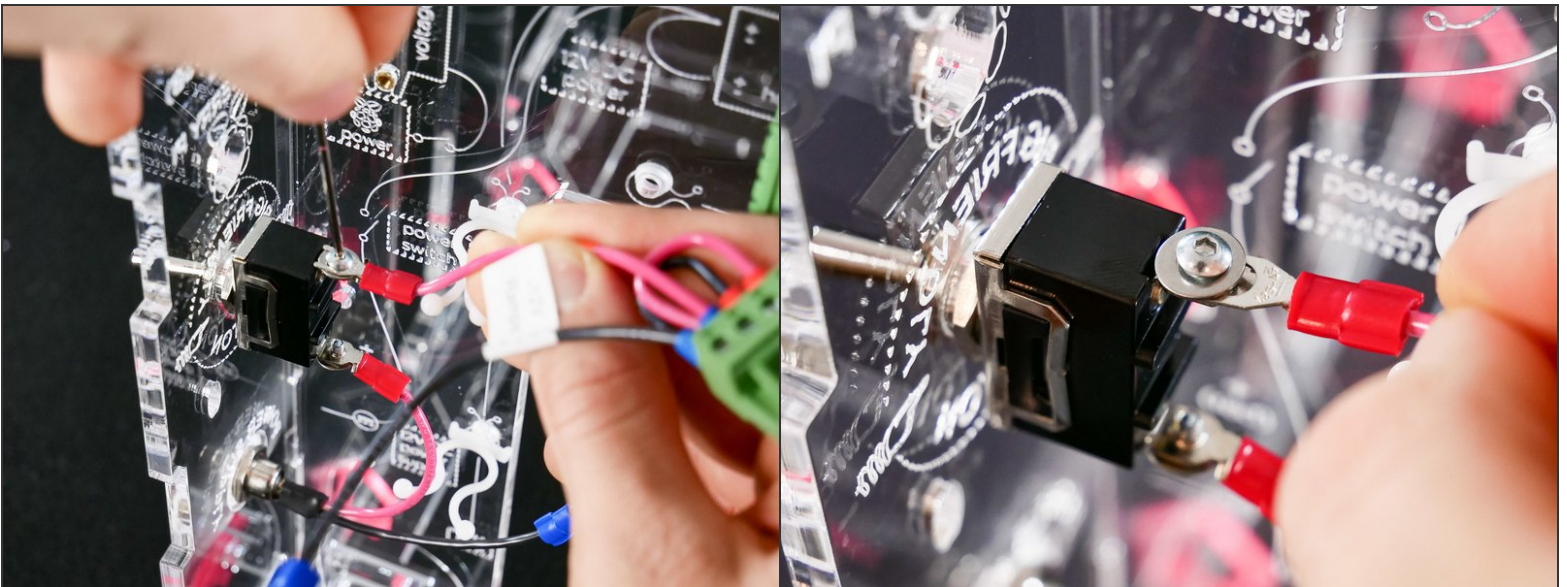
⚠ Tighten well else you risk overheating.

- If the screw is loose, the electricity will not flow as well, which will heat up the involved components, possibly to a fault.

Step 25



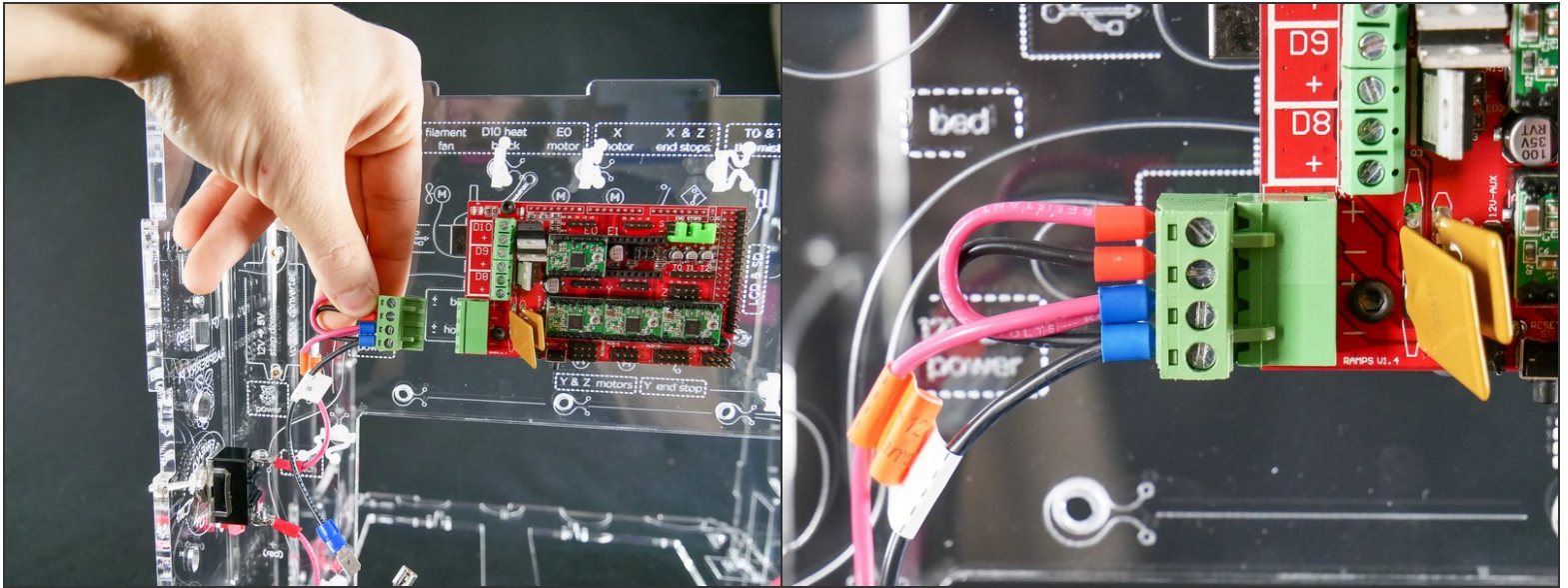
Step 26



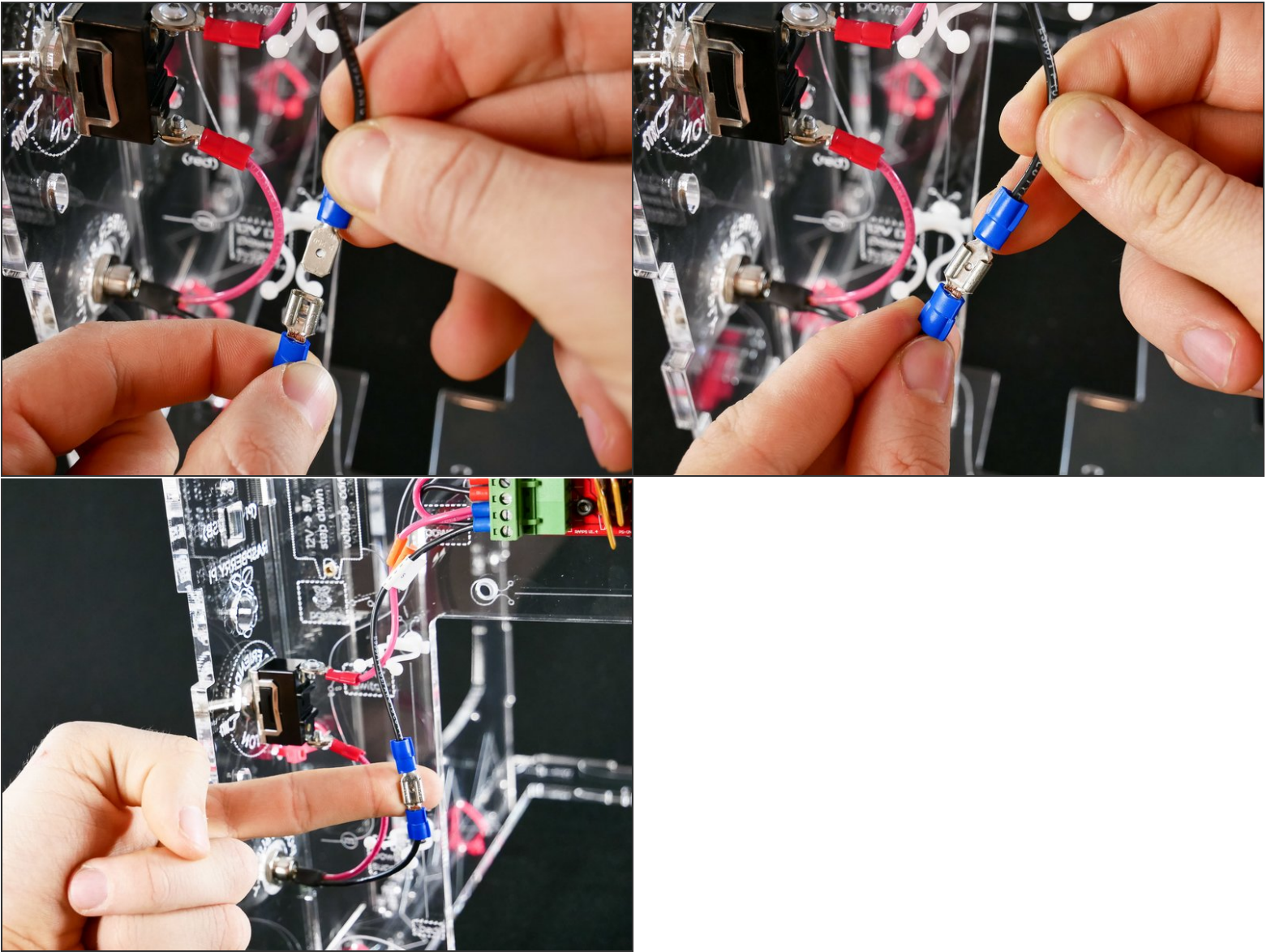
⚠ Tighten well else you risk overheating.

- If the screw is loose, the electricity will not flow as well, which will heat up the involved components, possibly to a fault.

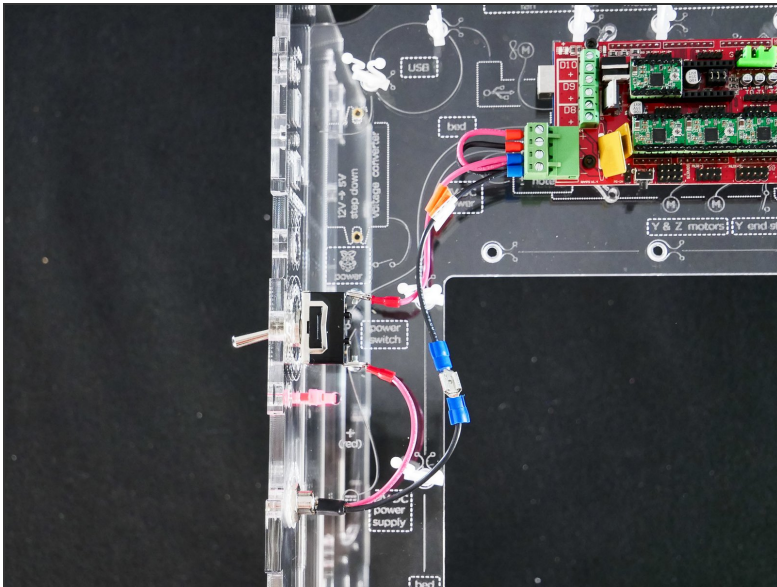
Step 27



Step 28



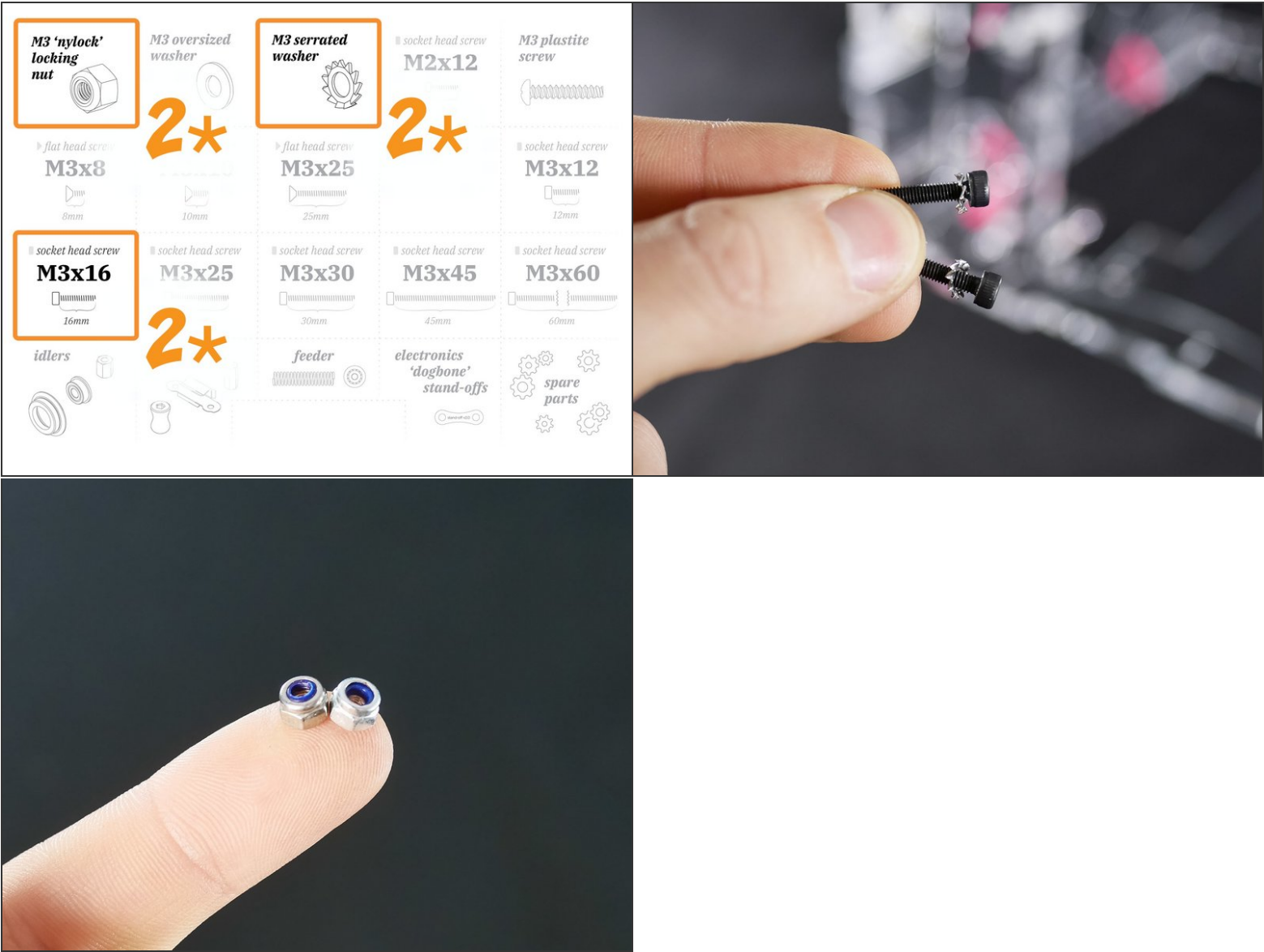
Step 29 — Looking good!



Step 30 — ↳ USB Extension

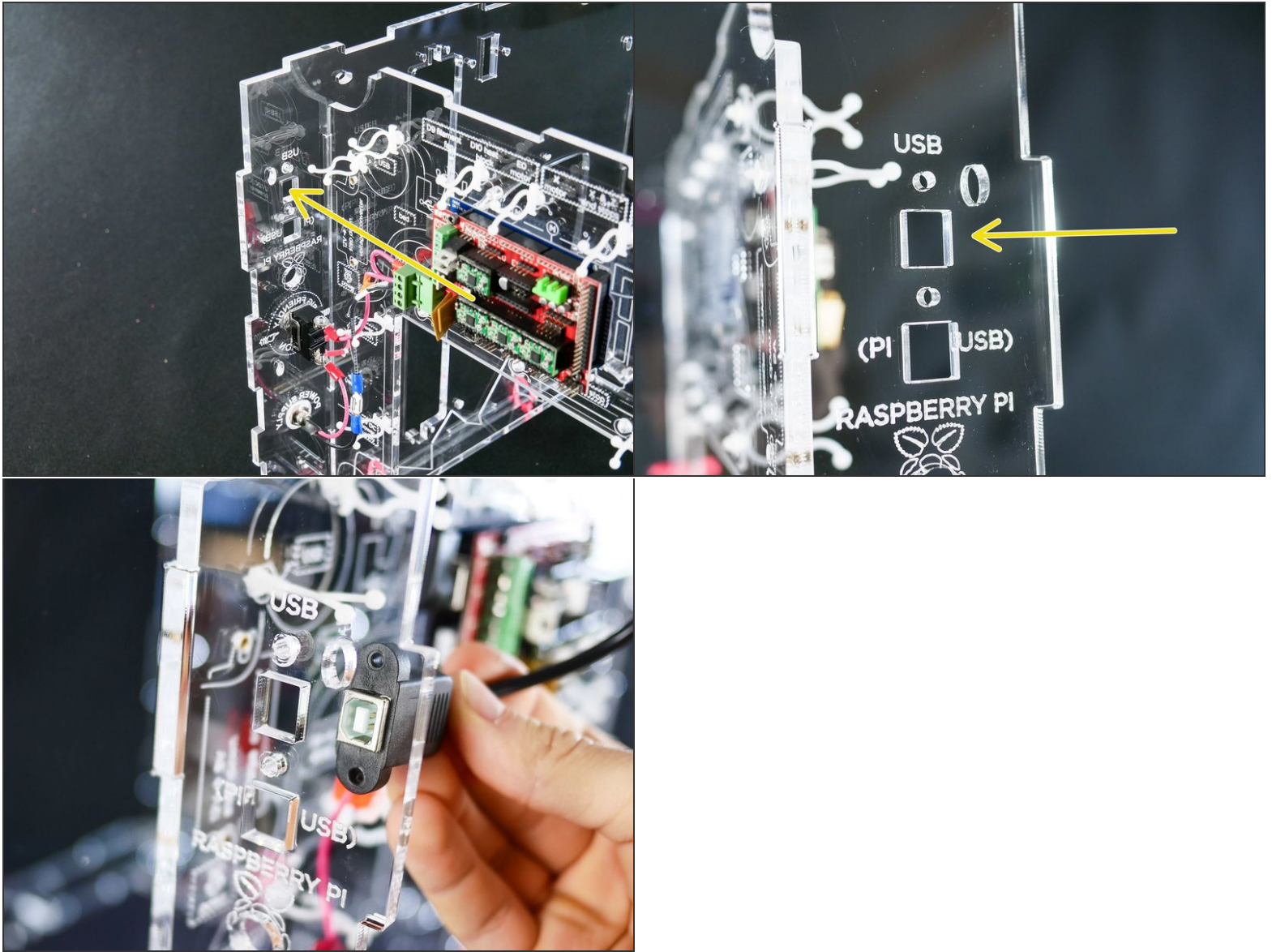


Step 31

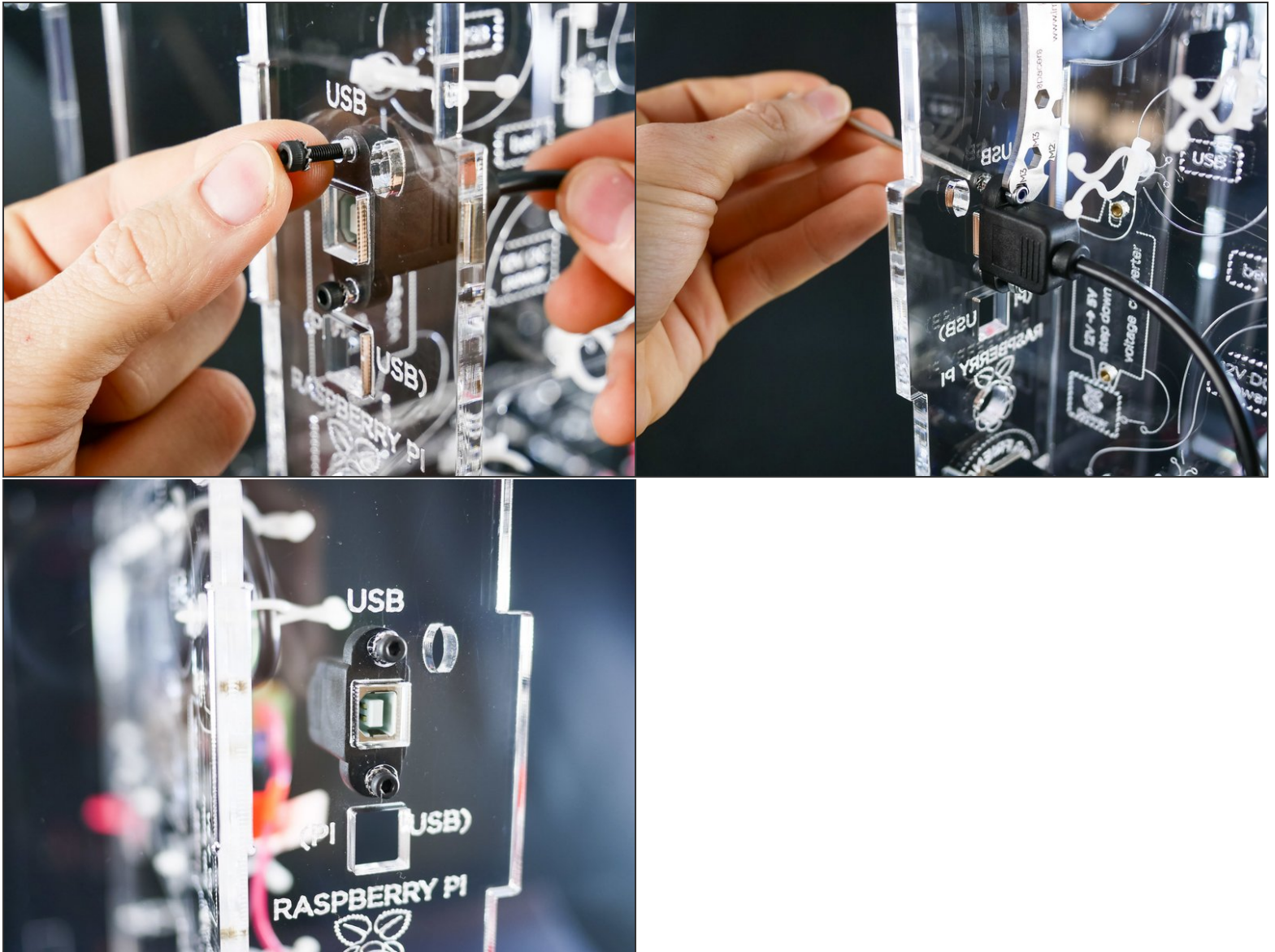


● M3x16

Step 32

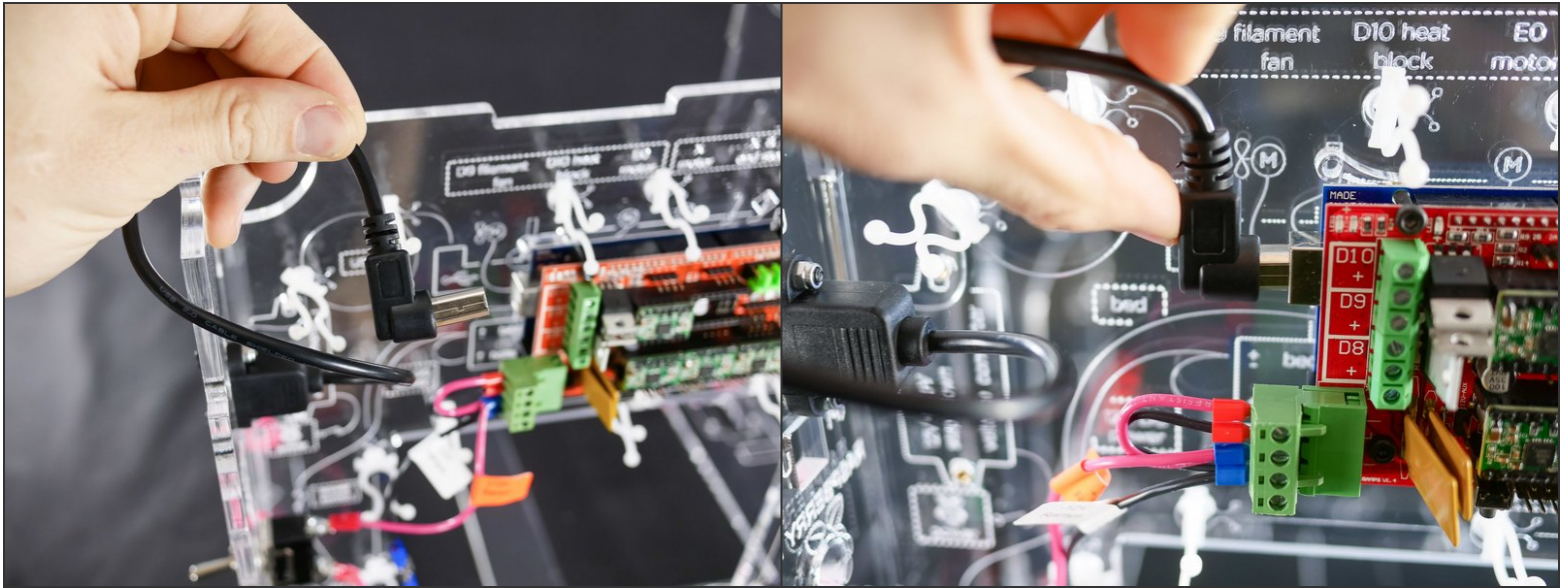


Step 33

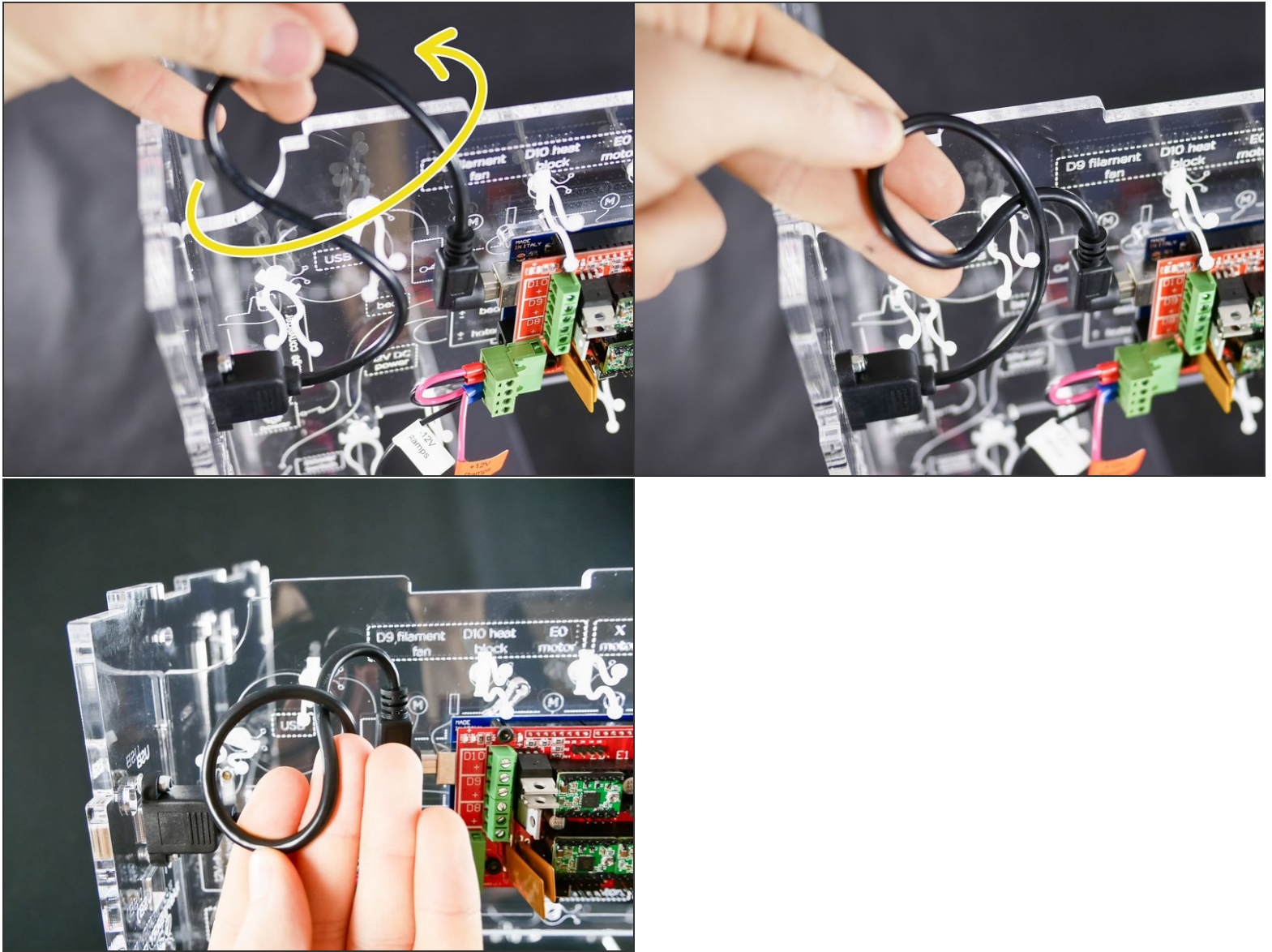


- M3x16

Step 34

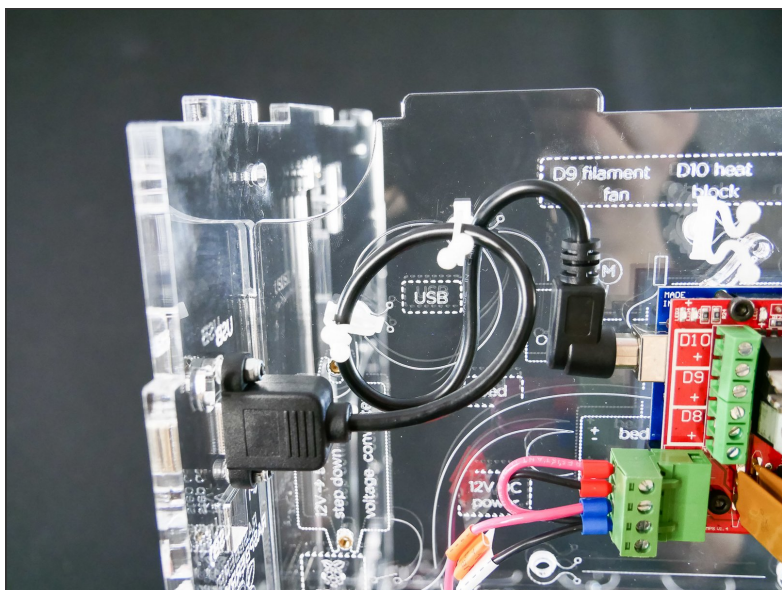


Step 35



- Twisting a wire can be *art*.

Step 36 — Looking good!

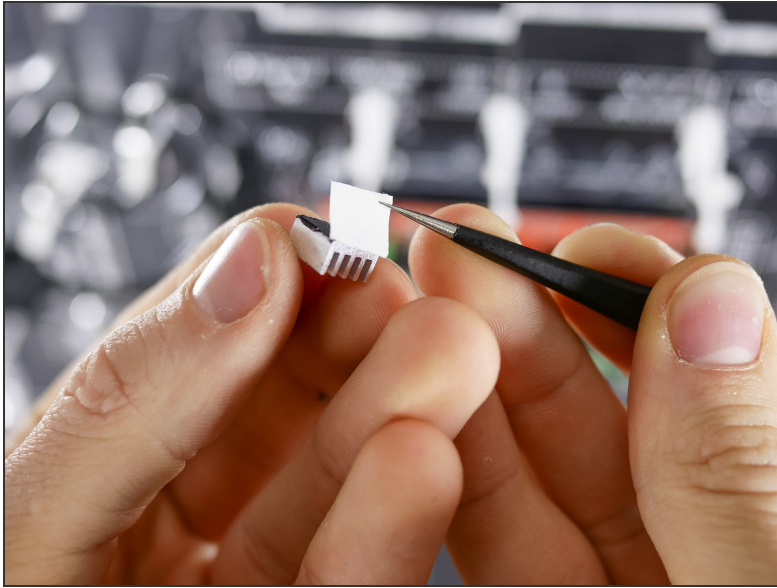


- What an elegant twist.

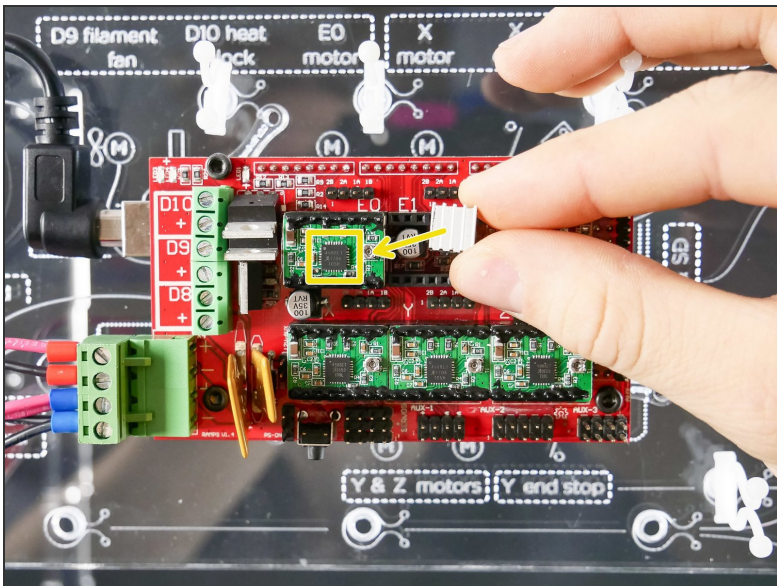
Step 37 — ↳ Driver Heatsinks



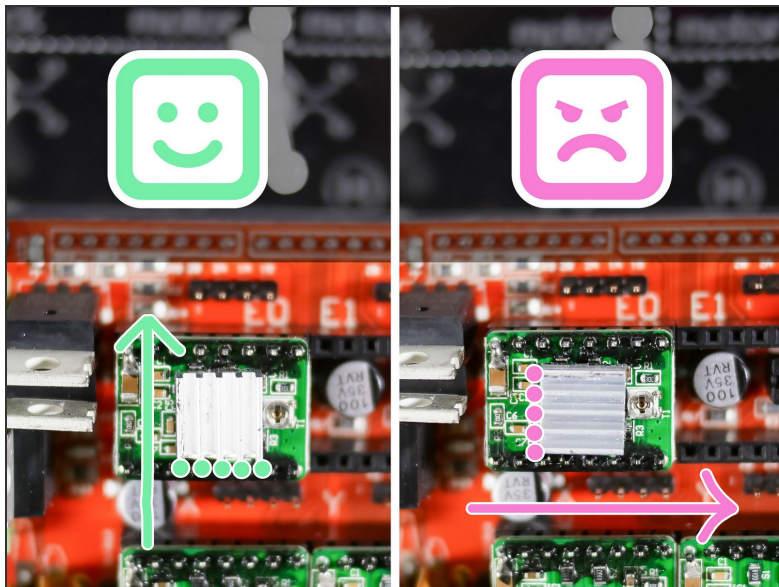
Step 38



Step 39



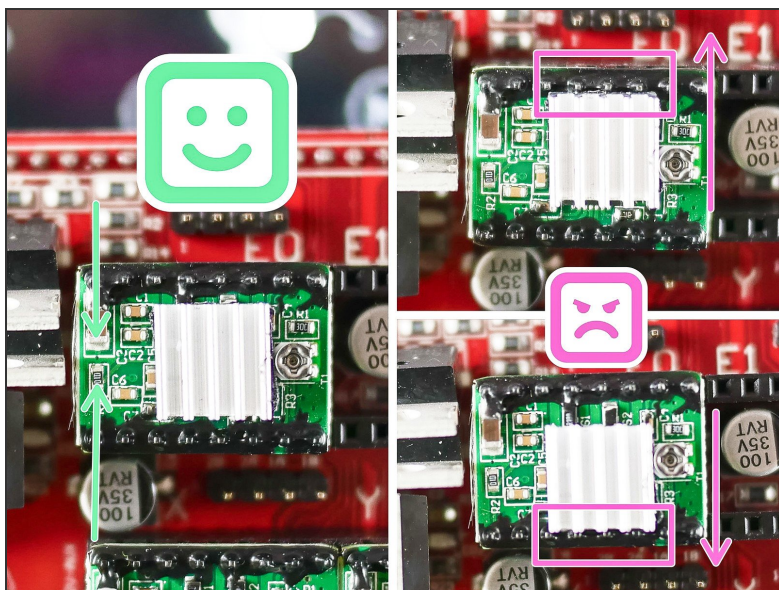
Step 40



⚠ The ridges of the heatsink should be vertical so that the heat fleets faster.

- Heat has a tendency to rise up.

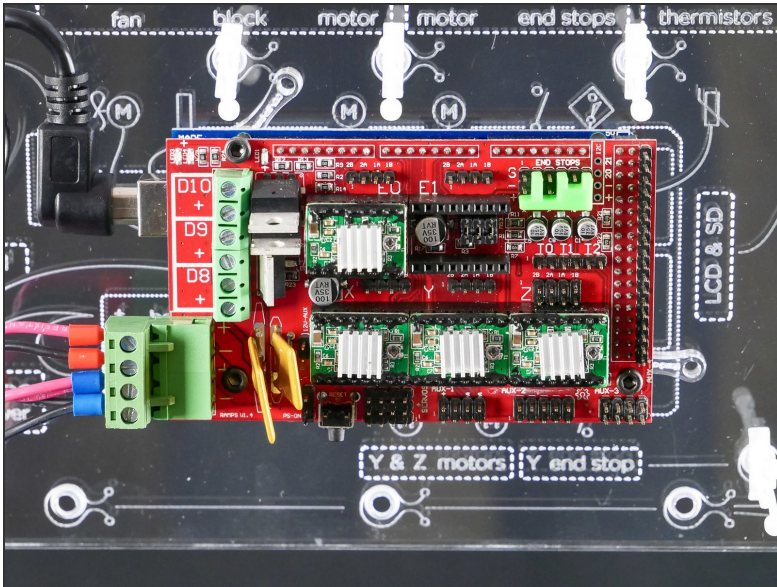
Step 41



⚠ It is important that the heatsinks **do NOT touch** the pins on the drivers.

- The heatsinks could connect the driver pins and *burn out the driver*.
- We actually put a protective isolating liquid over the pins to protect against shortage, but it's better to just leave the pins alone.

Step 42 — Looking good!



What's Next?

Get back to the [← Easy Kit Build Flow](#) and continue with the next guide.