

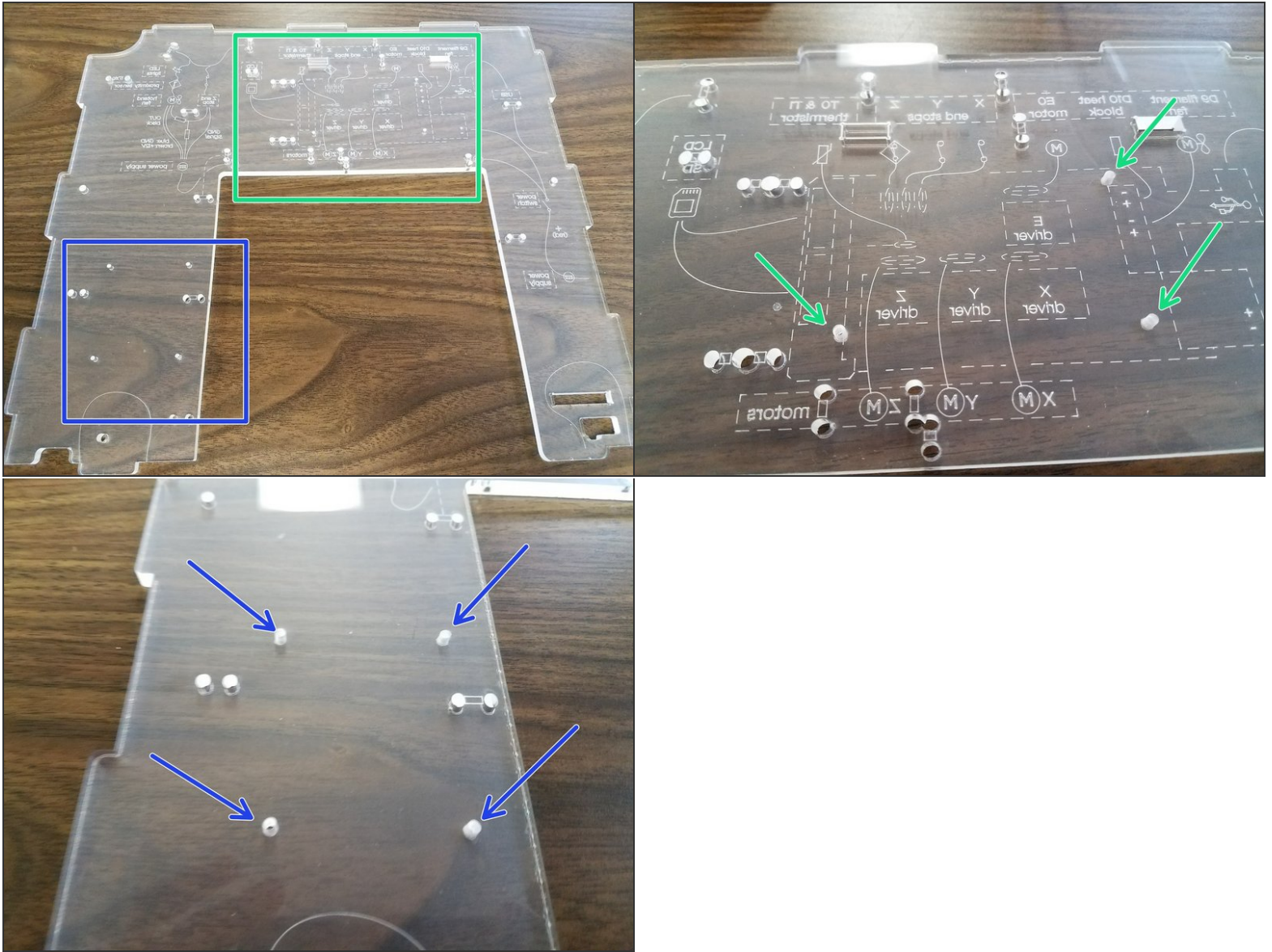


Step 1 — Modifying Inner Backs



- Secure the Inner Back acrylic to the table using the C-clamp with the holes that you are planning to tap hanging over the edge
 - you will have to move the acrylic several times during this process to allow new holes to be accessed for tapping
 - The acrylic needs to mostly be on the table to avoid any breaking or cracking while you modify the part.

Step 2



- There are 7 holes that need modification per inner back
 - 3 for the Arduino/RAMPS Sandwich
 - 4 for a Raspberry Pi

Step 3



- Dip the tip of your M3 Tap into the Lubricant and while holding the drill as straight as you can. (two handed is ok too) Tap the hole that needs modification.
- You will need to reverse the drill to remove the tap from the acylic, if you try and force it you can damage the threads or the tap itself.
- Wipe the acrylic debris from the tap using a small piece of paper towel or cloth and repeat the previous steps .

Step 4



- using a rag wipe off any debris or remaining lubricant from the acrylic
- Use an M3 screw to test that all modified holes are tapped all the way through and straight.
- place the finished pieces of acrylic on the modified stack on the acrylic table