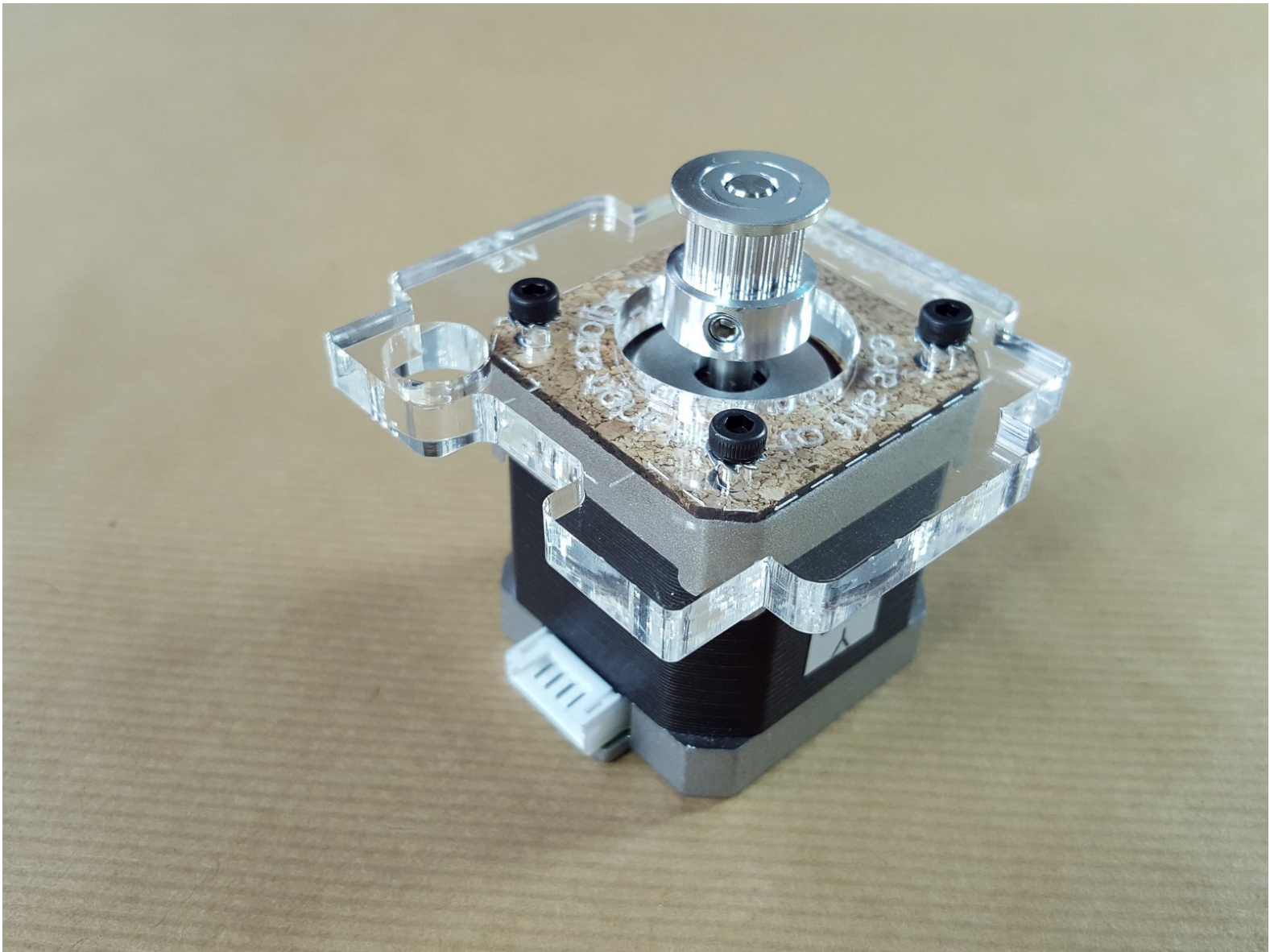
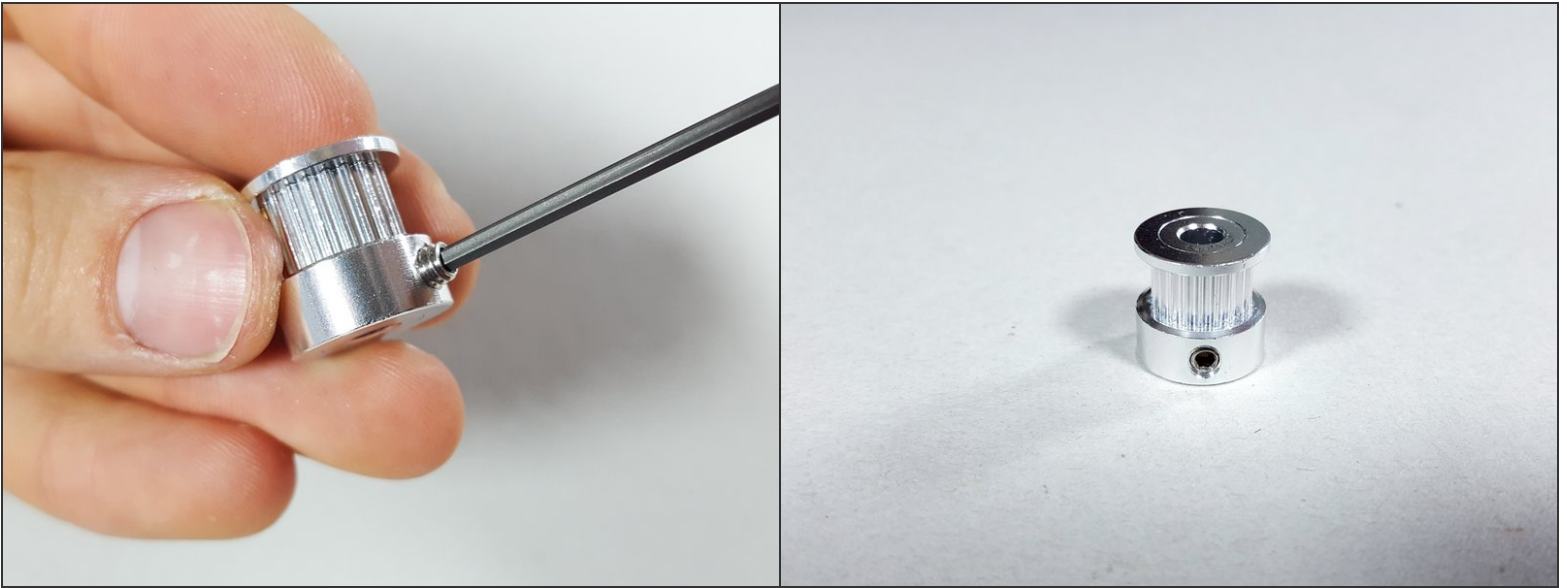




Y Motor Bracket



Step 1 — ↳ Threadlock the Pulley Set Screws



- Take out both set screws (i.e., two) out of the pulley.
- (You can find the pulley in the hardware box - left bottom corner)

Step 2



- Put a **single, small drop** of thread lock onto the set screw thread.
- Most people use way too much threadlock. Really, little is enough.
- Let the threadlock spread the thread lock into the thread. Soak excess with a paper towel if necessary.

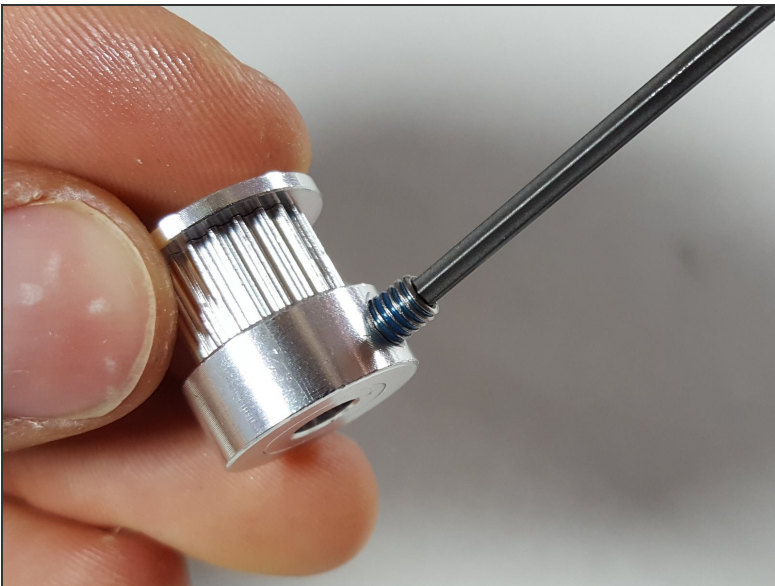
✦ Tip: Keep the set screw on the hex key for easy manipulation.

Step 3



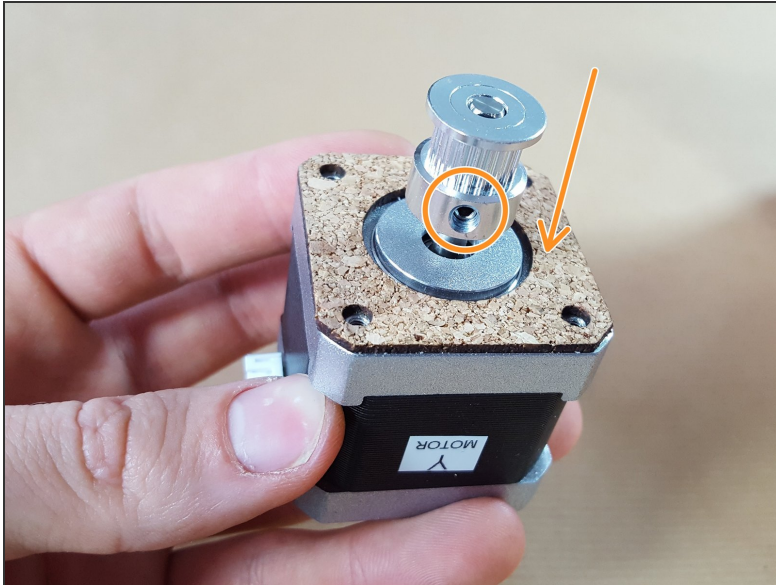
- One of the set screws may be shorter than the other one.
- That's nice, but not necessary. If your two set screws are identical, don't worry about it.

Step 4



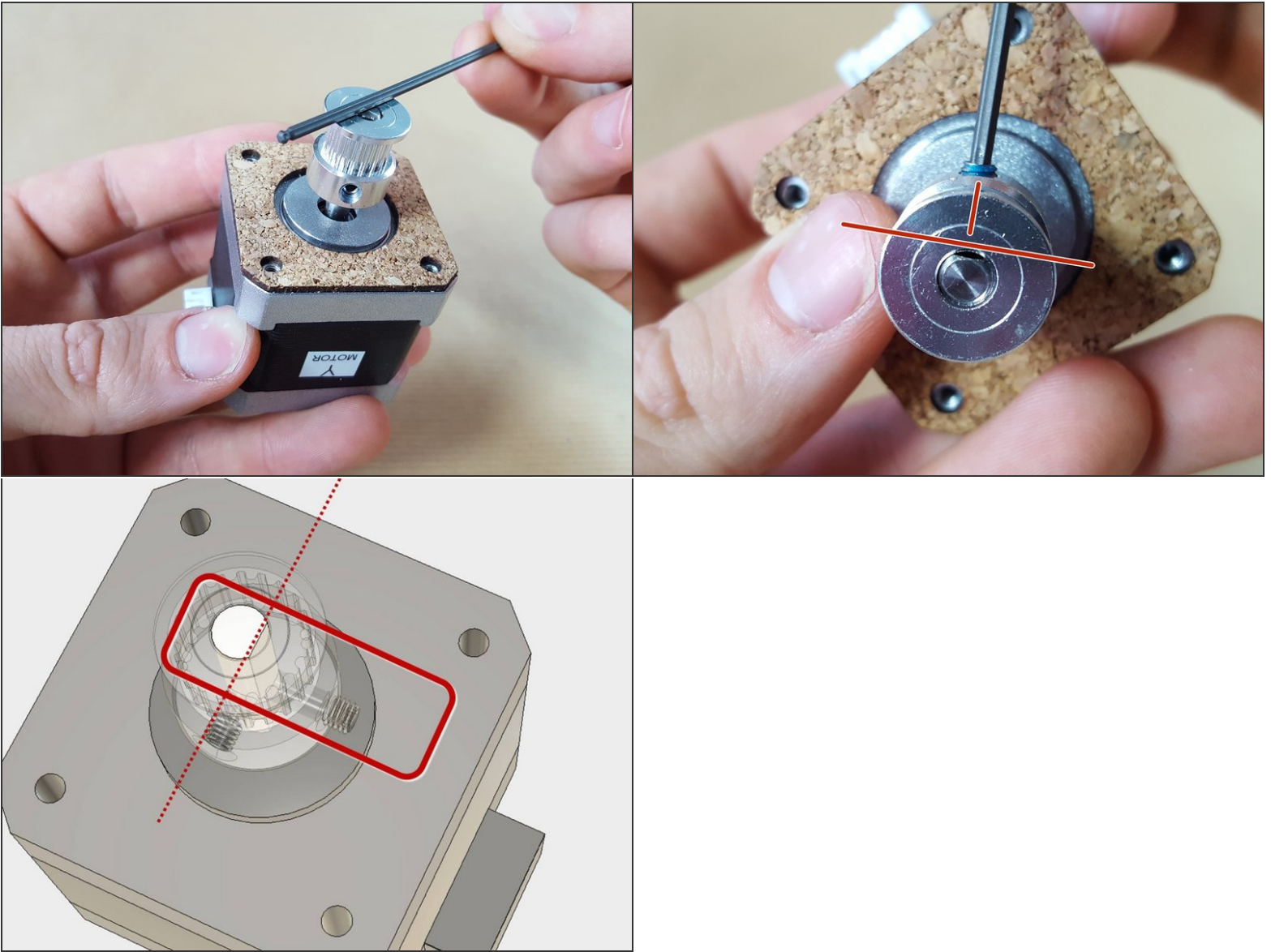
- Re-insert both set screws into the pulley.

Step 5 — ↳ Install the Y Pulley



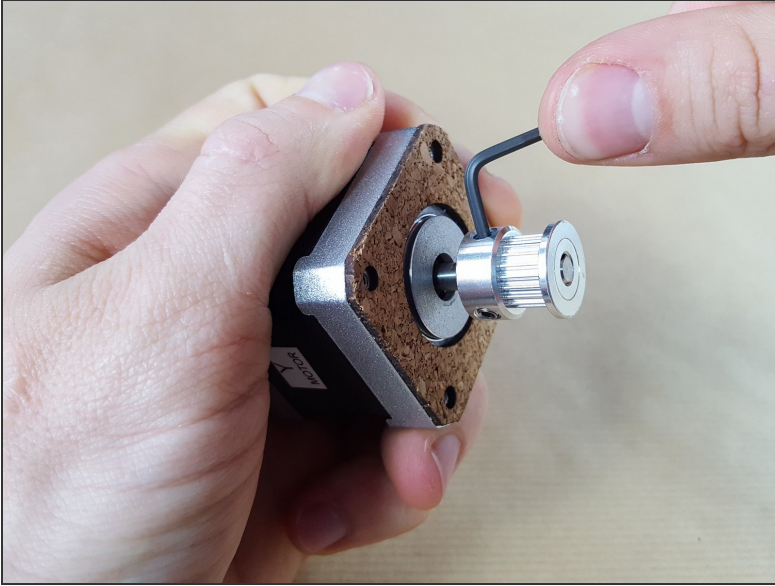
- Slide the Y pulley onto the Y motor shaft.
- The set screws in the pulley should be on the side **close** to the motor.

Step 6



- Make the top of the motor shaft flush with the top of the pulley.
- Tighten the longer set screw against the FLAT side of the motor shaft

Step 7



- Tighten both set screws well. We do not want these to be loose.

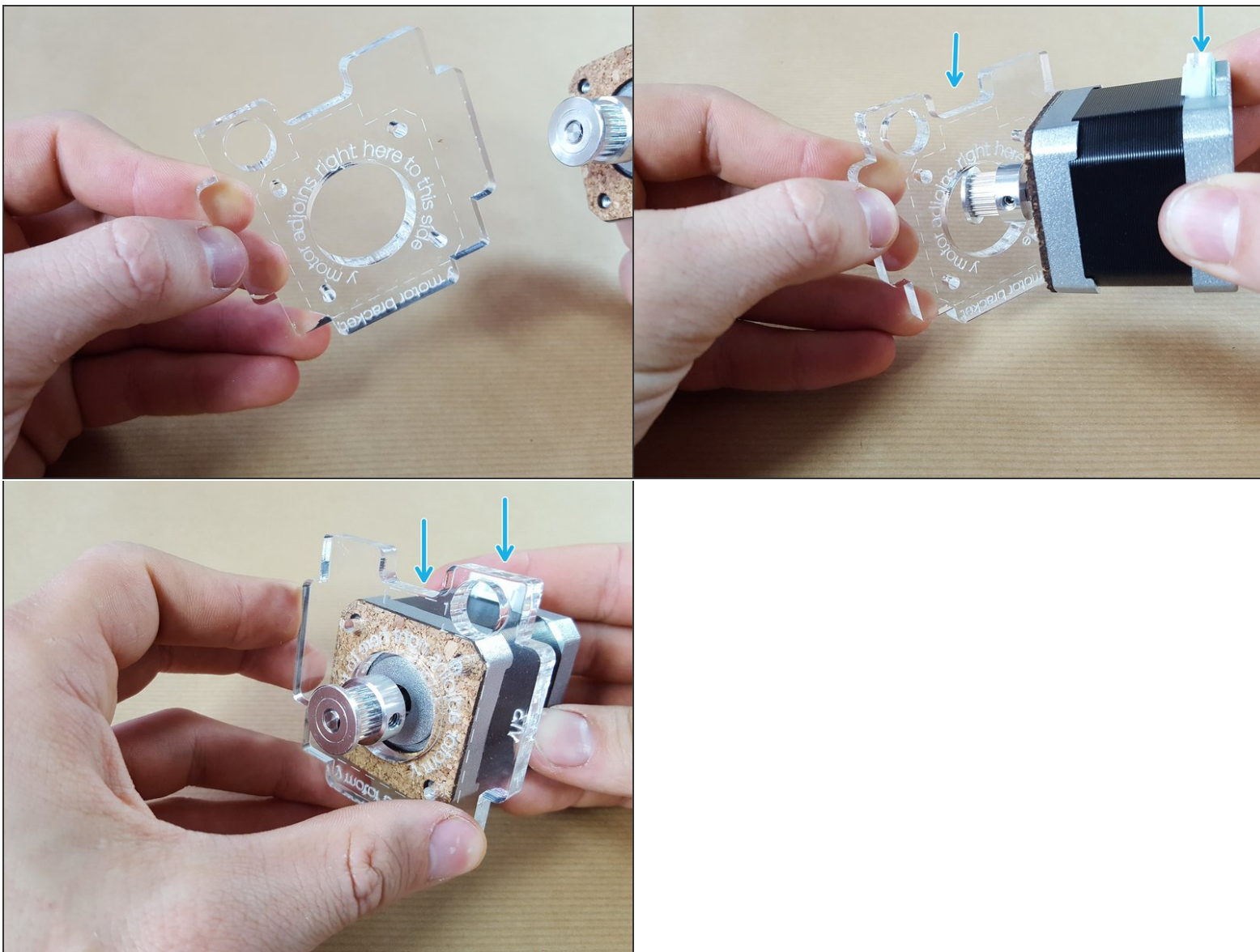
⚠ *Tightening well* does not mean tightening with unrestrained force. You can strip the set screw threads or its hex head if you use too much force.

Step 8 — ↳ Install the Y Motor



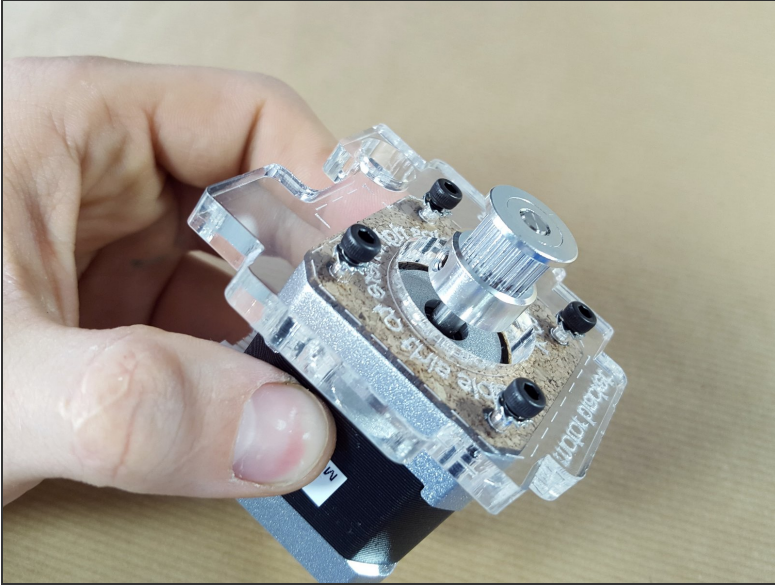
- Put serrated washers onto four M3x12 screws.

Step 9



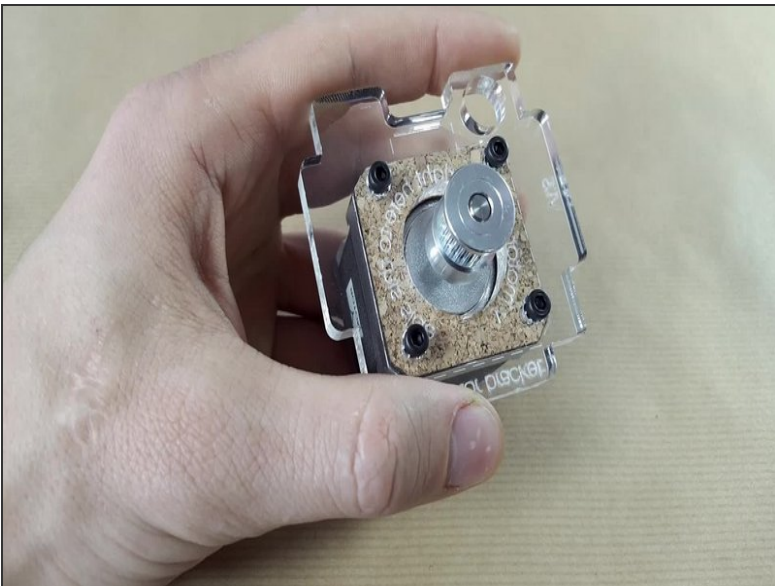
- Place the motor onto the Y bracket where it says *Y motor adjoins here to this side*
- Align the Y motor connector with the motor contour etched in the acrylic.

Step 10



- Loosely insert all four screws.

Step 11 — ✂ Technique: Cross-Tightening



- Avoid alignment issues by tightening all the screws at the same time little by little in a diagonal pattern.
- ⓘ This is called **cross-tightening**. All the cool kids do it.
- ✦ Hold the SHORT side of the hex key. This will help you not to over-tighten the screws. You don't need maximum force; you need the right amount of force.