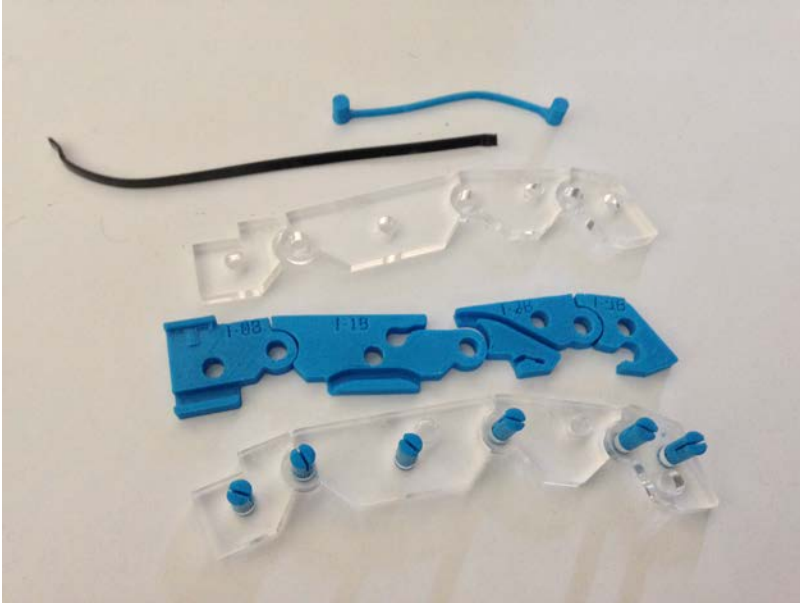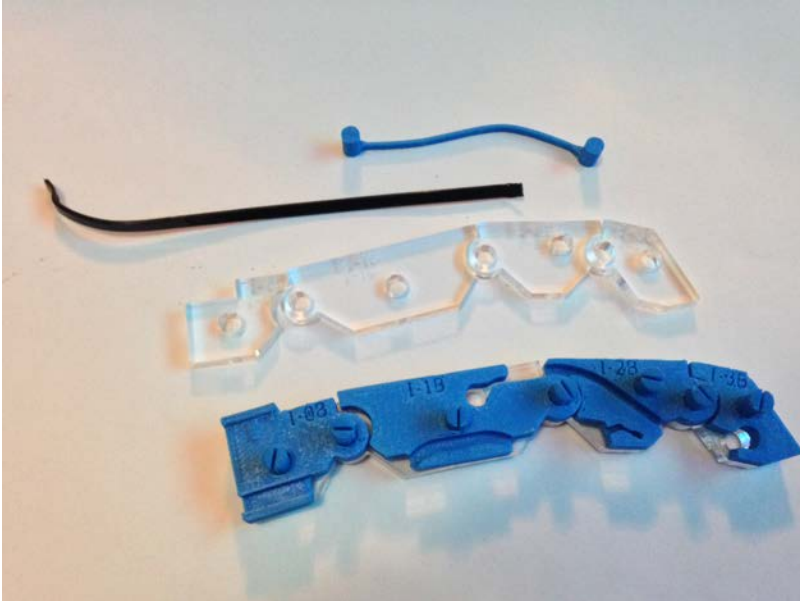# HackerHAND Building Instructions

1. Identify parts from the kit.
2. Locate the pieces in order to start assembling.
3. Begin the assembly of the first phalanx, positioning the "pegs" in layer A (as shown in the picture below).
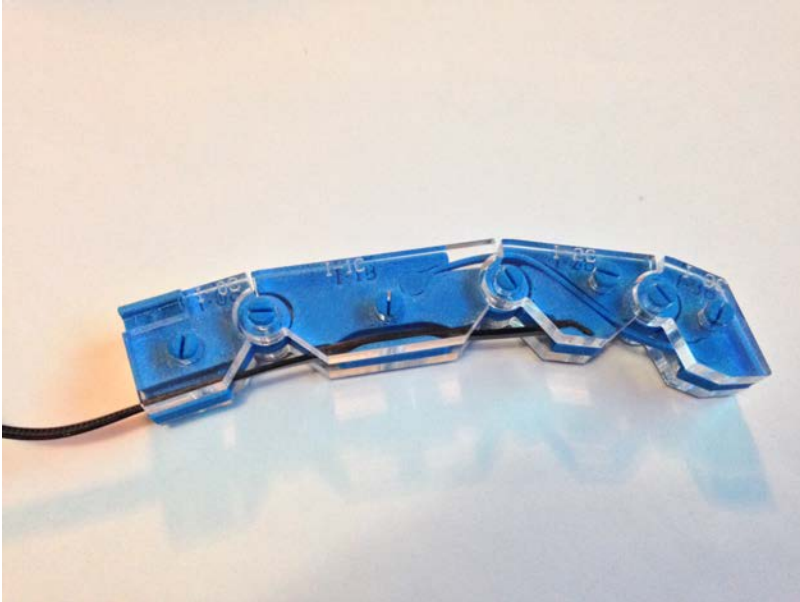

4. Then overlap the layer B over layer A (as shown in the picture below).

5. Put the tendons in the falange, following the guides on layer B (as shown in the picture below).
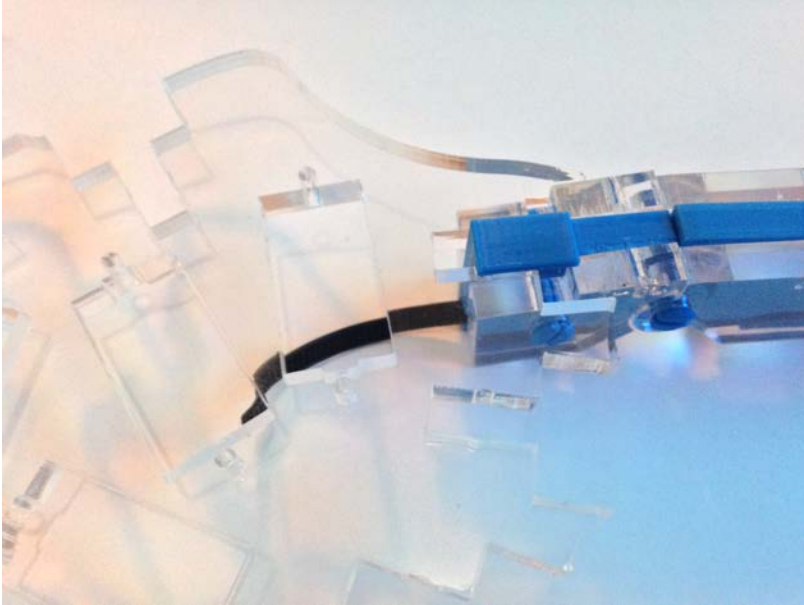

6. And finally overlap layer C over layer B (as shown in the picture below).

7. Repeat all these steps for the other fingers.
8. When you have all fingers assembled, mount them on the palm.

9. To mount the fingers on the palm, just swipe the finger by fitting 0-B part inside the slot in the palm (as shown in the picture below).
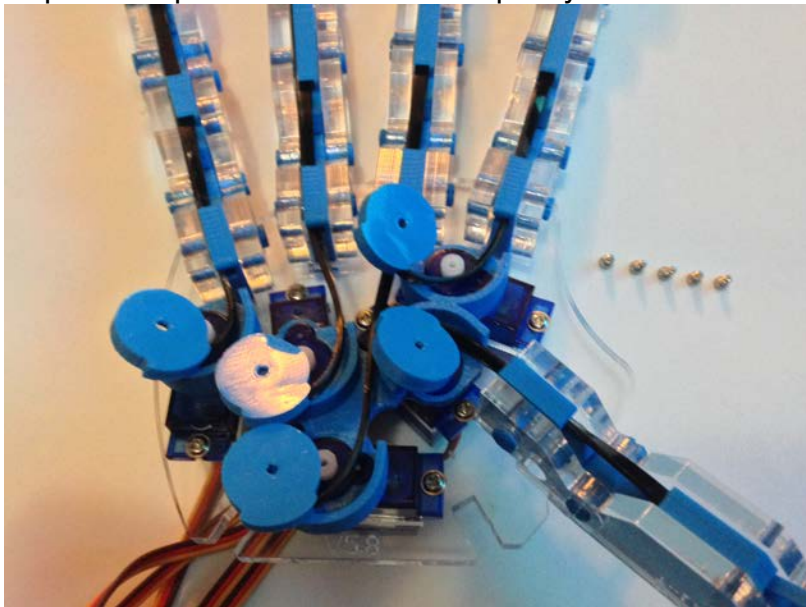

10. Repeat this step for the other fingers.
11. It´s time to put the servos.
12. Mount each servo in the palm, making sure to align the servo cable with the notch on each servo bracket.
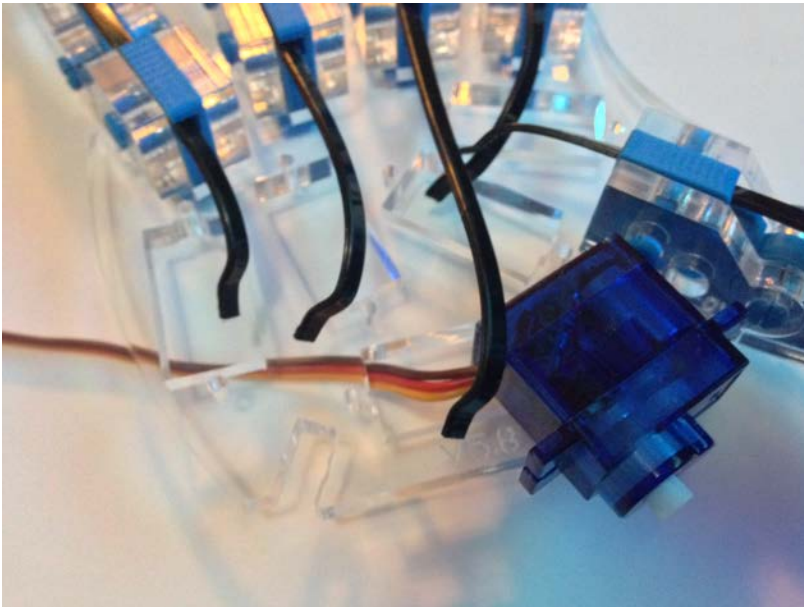
13. Repeat this step for the other servos.
14. Insert the final part of the tendon in the gap of the servo pulley (as shown in the picture below).
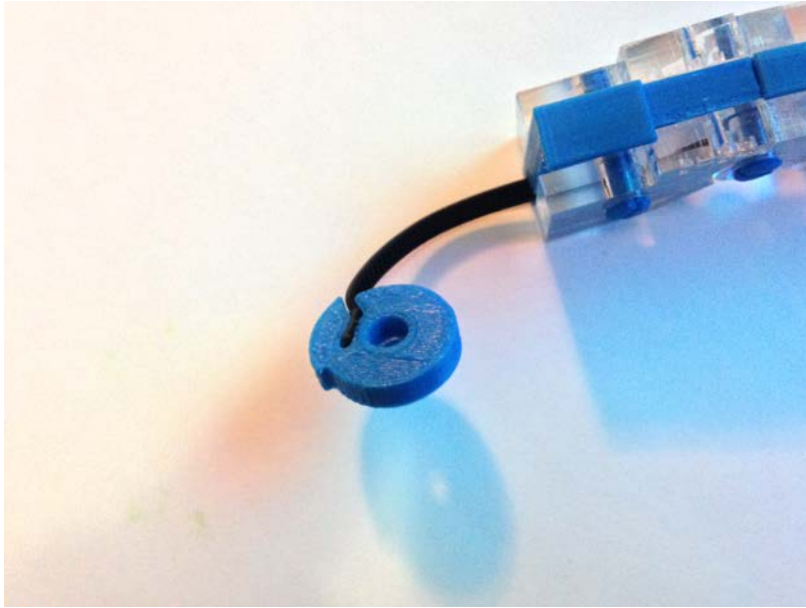
15. Repeat this process with the other pulleys

16. Connect the servos to the board and power on the system to align all the servos to the Open Hand position (this done in the first 5 seconds after powering up). Then disconnect the power on the system.

17. And finally, move all fingers to the Open Hand position and connect each servo's pulley into the servo's shaft. Be careful not to move the servo positions during this procedure. Then using a screwdriver fix the pulley on the servo (as shown in the picture below).