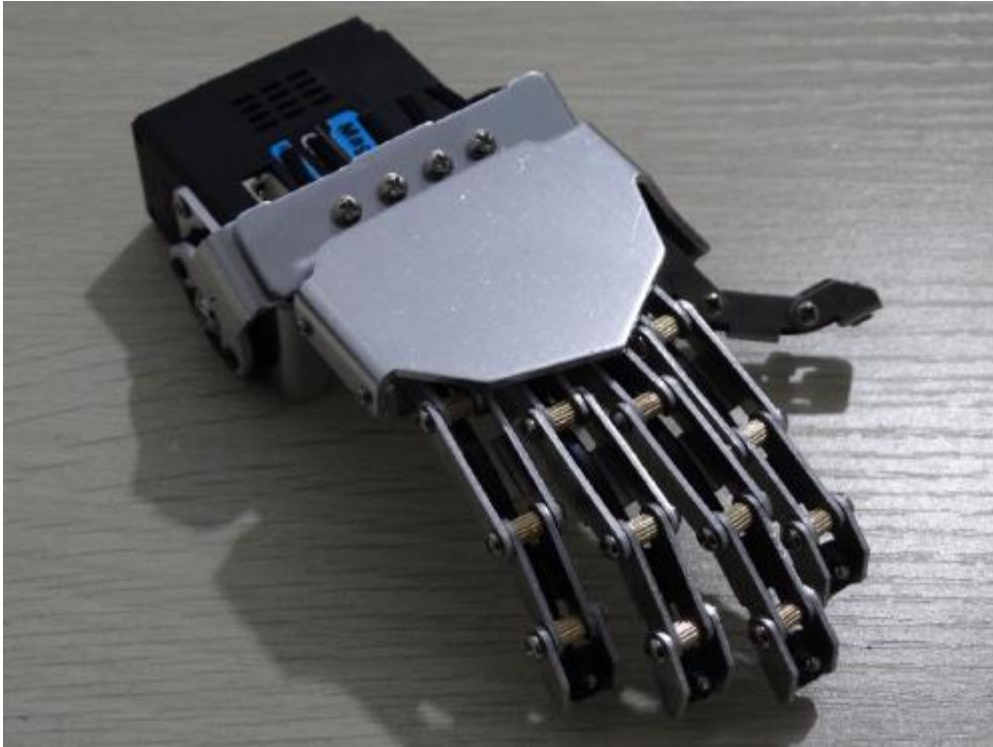
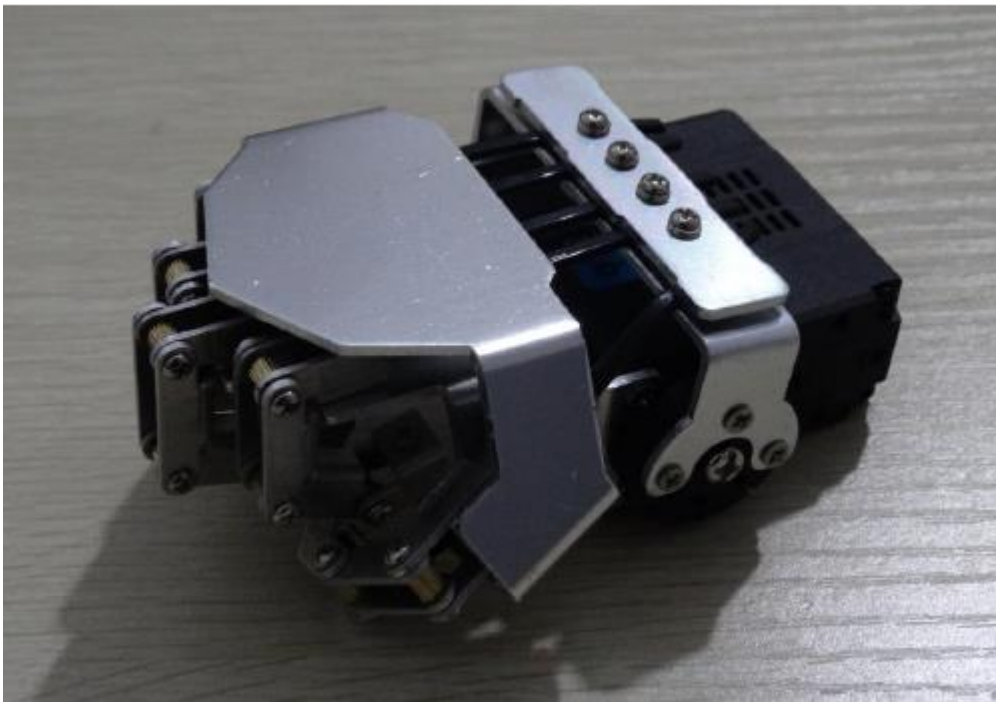


# Mechanical hand assembly tutorial

The finished product is as shown in figure:

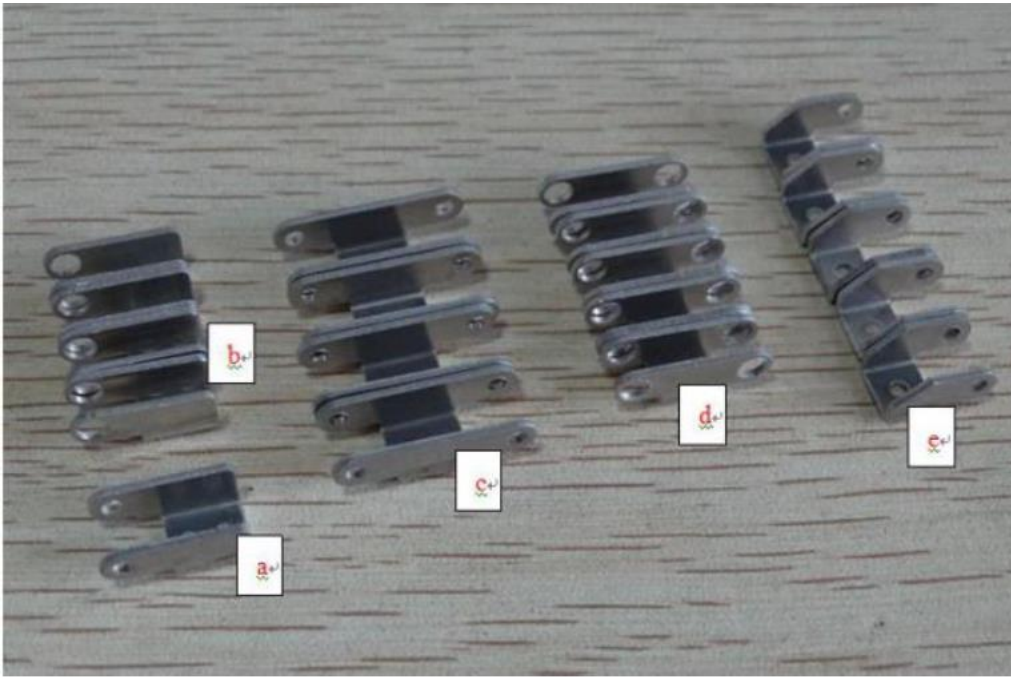




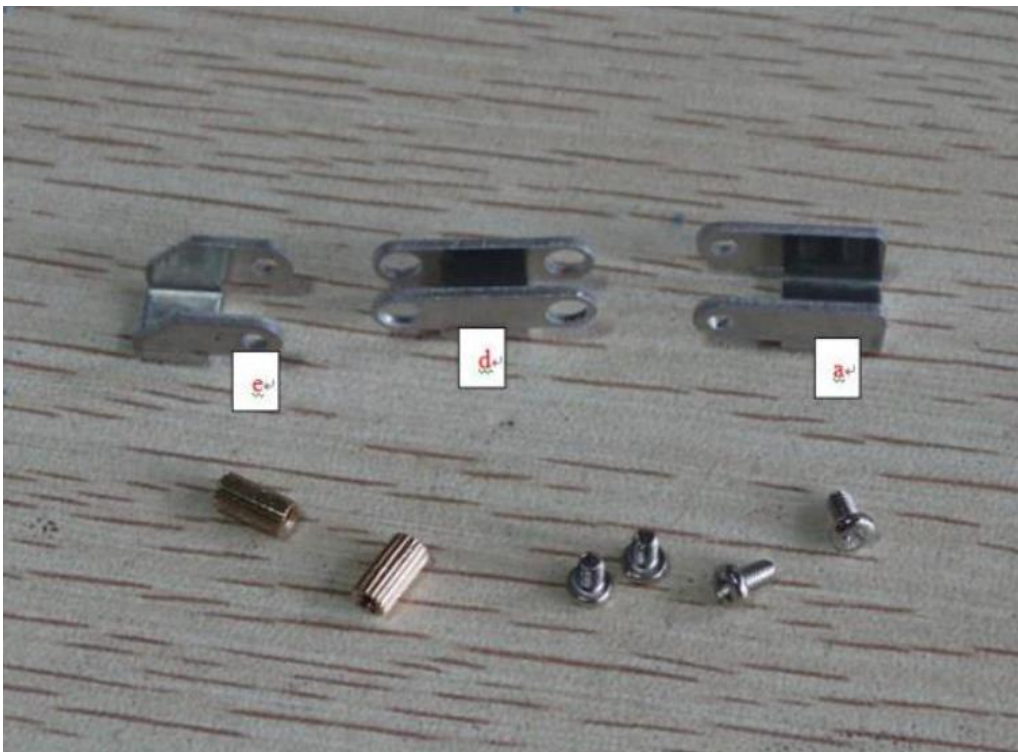
**Assembly course is as follows:**

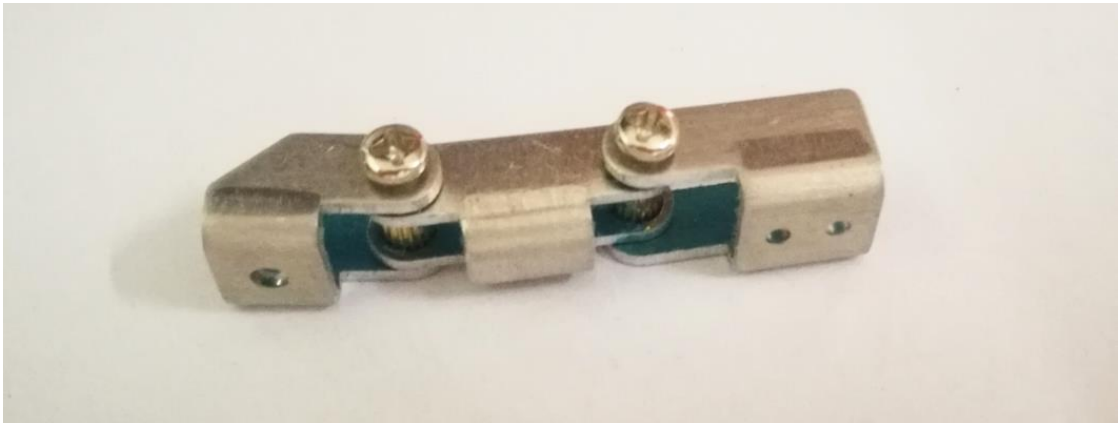
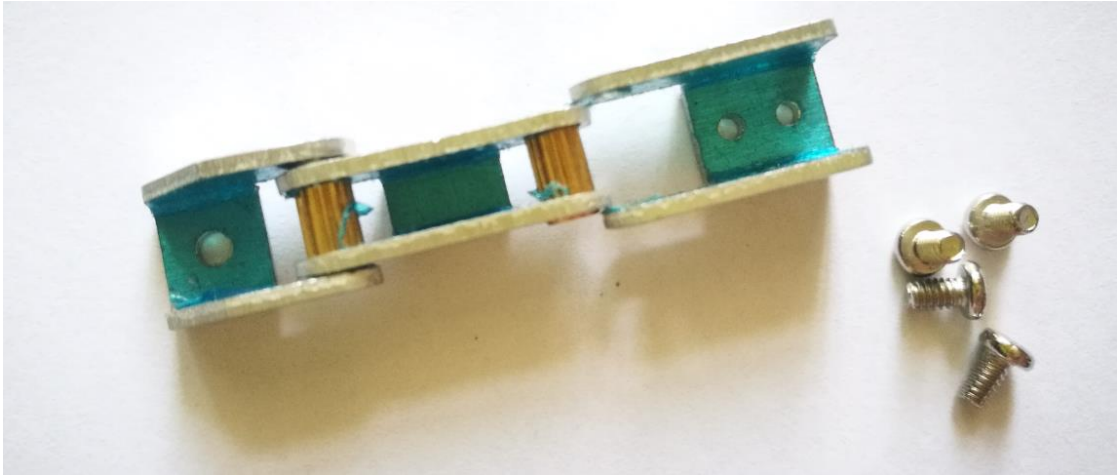
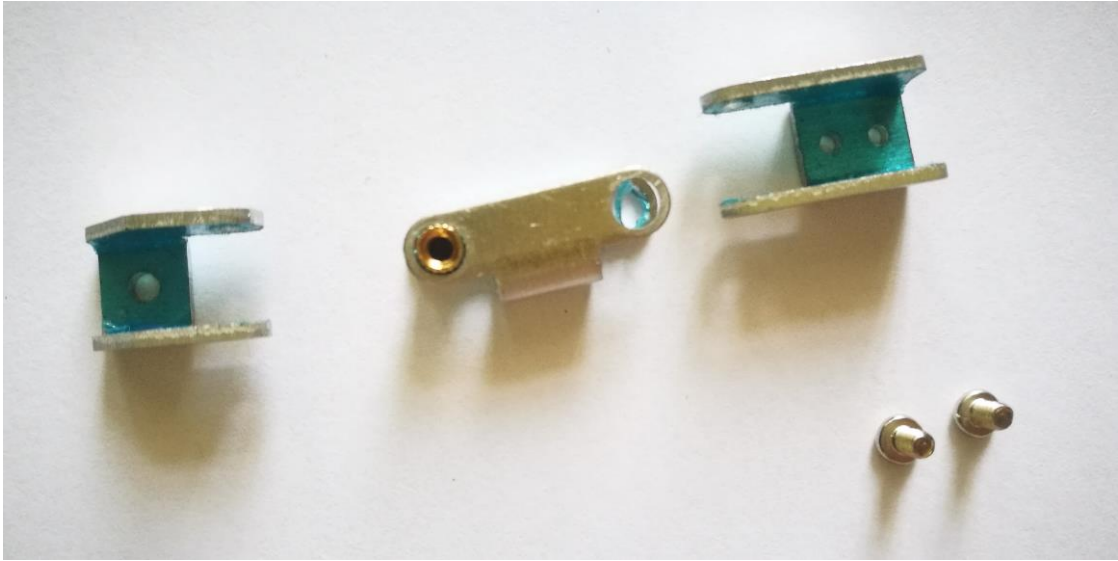
## A.5 finger assembly

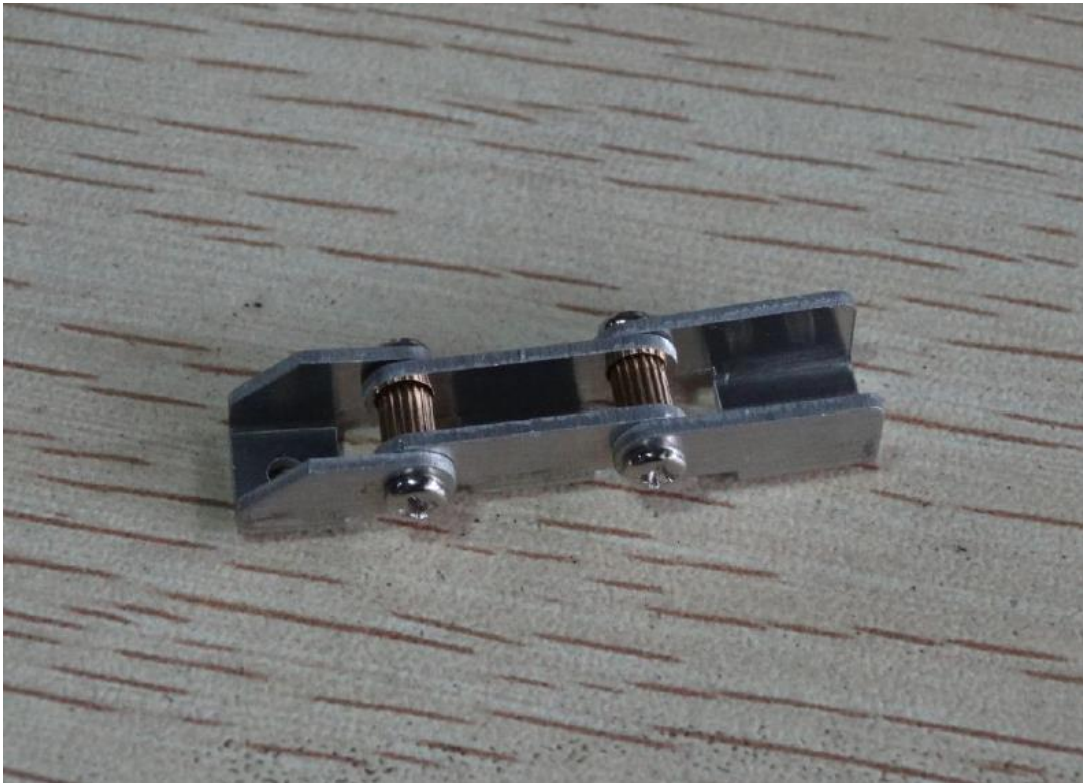
1. Take out the finger parts, if have film, ripped off the surface film, the number of parts were 1, 4, 4, 5, 5



2. Assemble thumb parts as show, use M2X3 screws, M2X6 pillars.

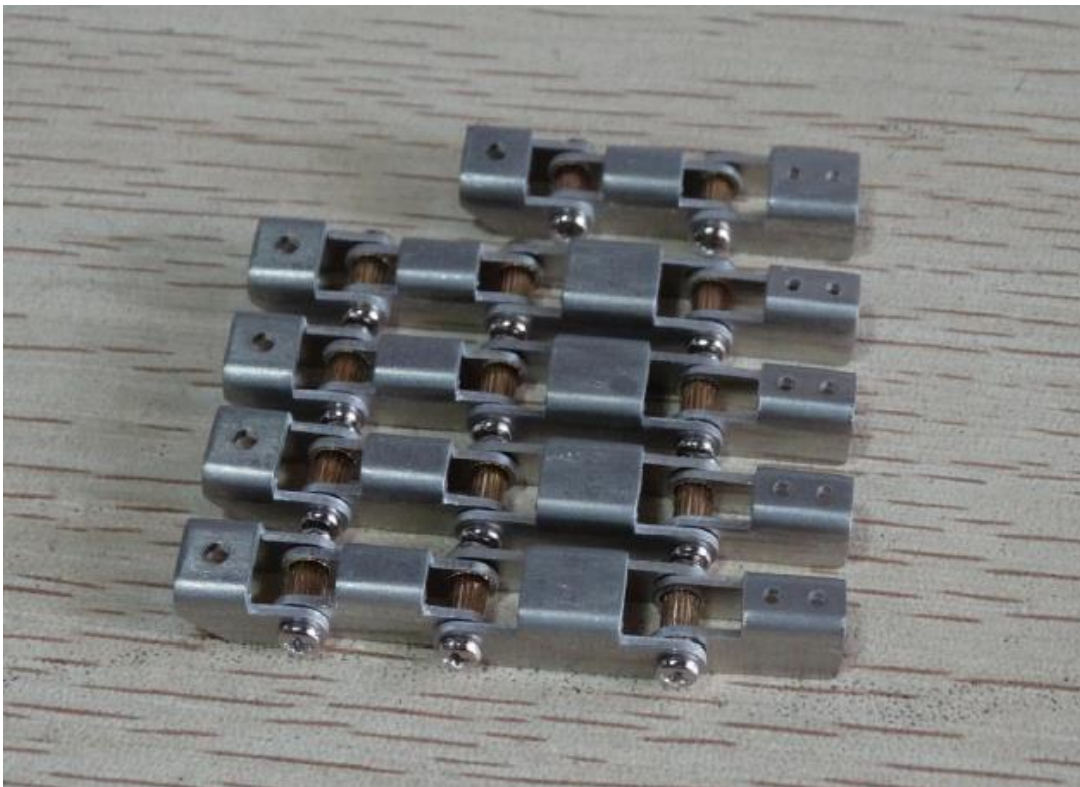






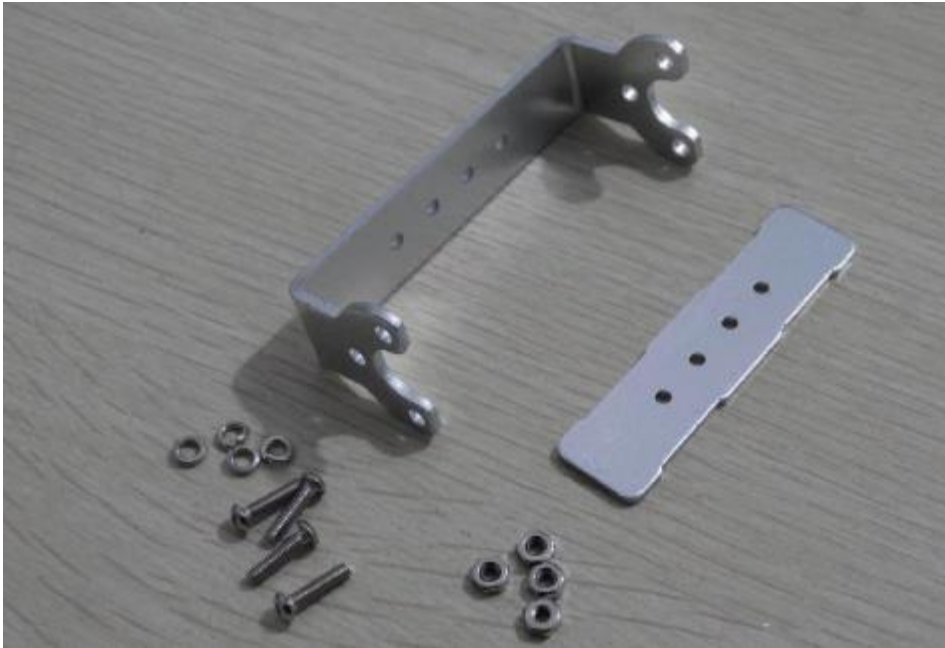
3. The other 4 fingers still use M2X3 screws, M2X6 pillars to assemble.





In addition to the thumb is different, the rest of the 4 fingers are the same.

## B. palm mounting

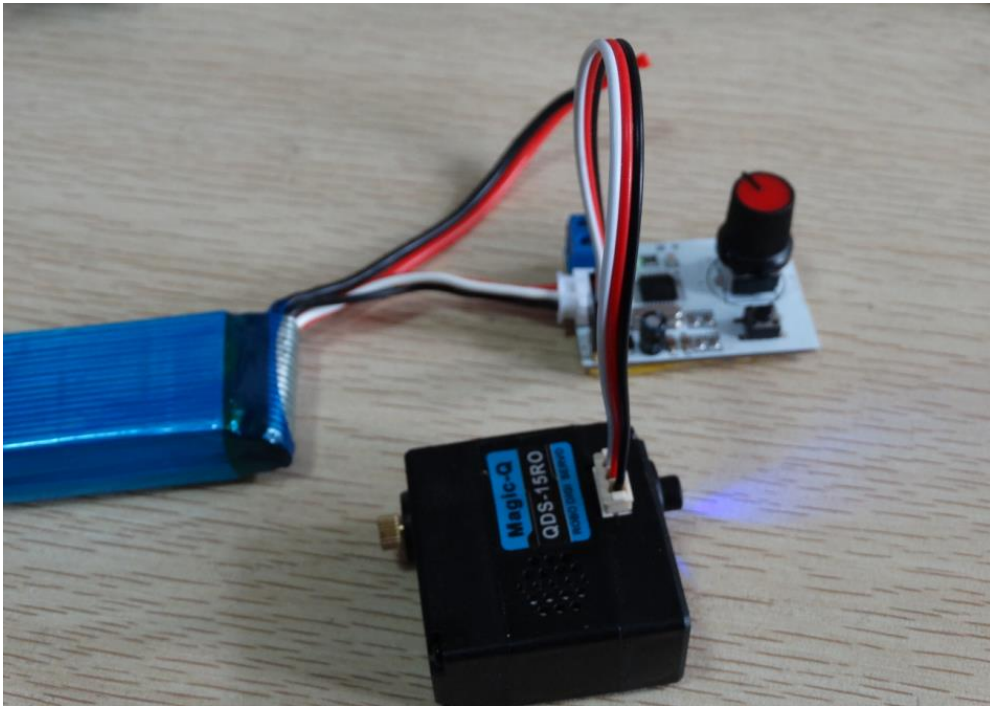


1. Assembly U frame with tie bar, using M2X8 screws , spring pad and nut.



**Note:** do not screw the screw die, leaving a gap in the middle can be free to set the finger strap.

2. Use the knob board or other similar board to make the servo to the middle.( P1500)



3. Assembled hand with the servo, using 4\*M2X6 countersunk head screws  
4, before and after each 2.





## C.5 finger + palm mounting



1. Install the five fingers, used M1.4X3 screw, pay attention to the assembly when the M1.4 screws as self tapping screw to force screw in the palm of the hand. Assembly as shown below

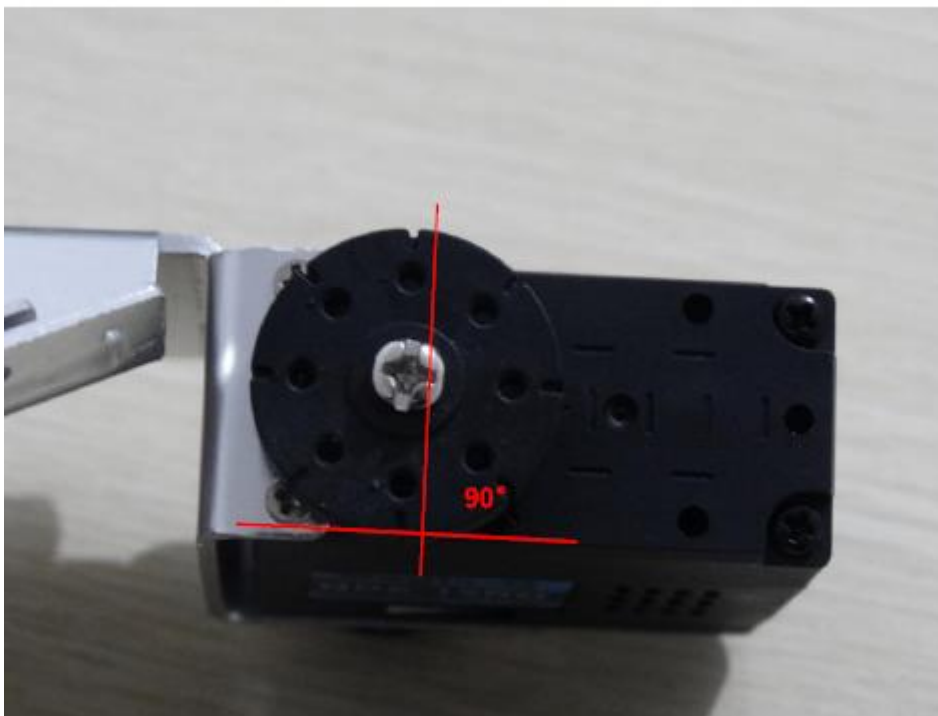


2. Assembling servo' s front and rear rudder .





Rear rudder use M3X5 tapping countersunk head screw



Install the front wheel as show, use M3X6 screw. Here ensure actuator state in the **P1500** (previously described) , ensure one hole of the steering wheel with steering gear to keep is **90 deg.**



3. The installation of finger U frame, using 2\*M2X5 tapping countersunk head screw

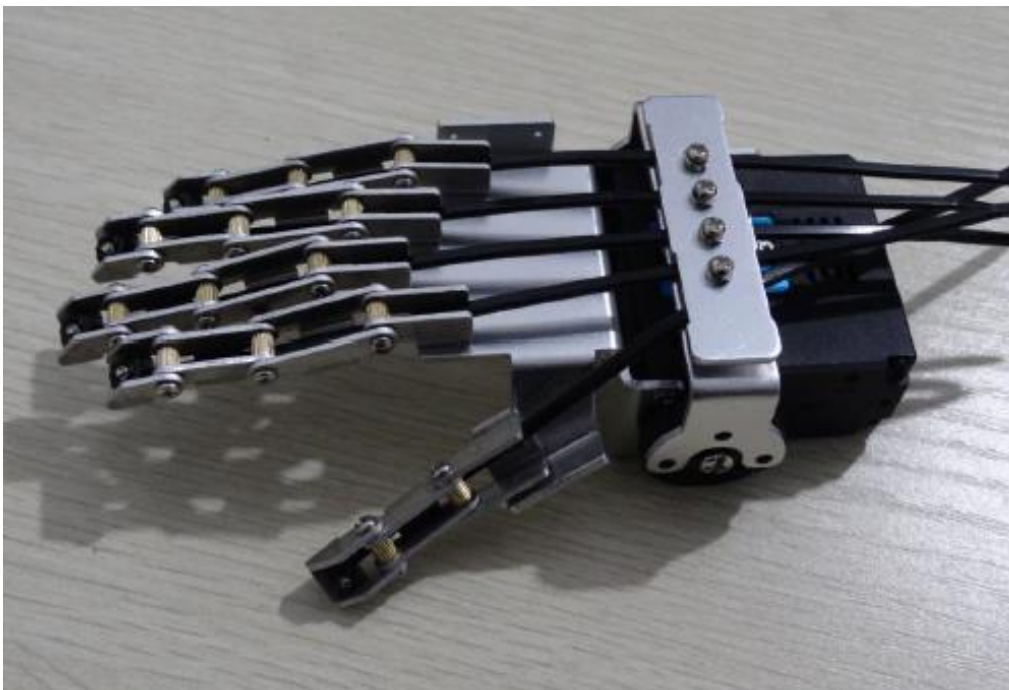


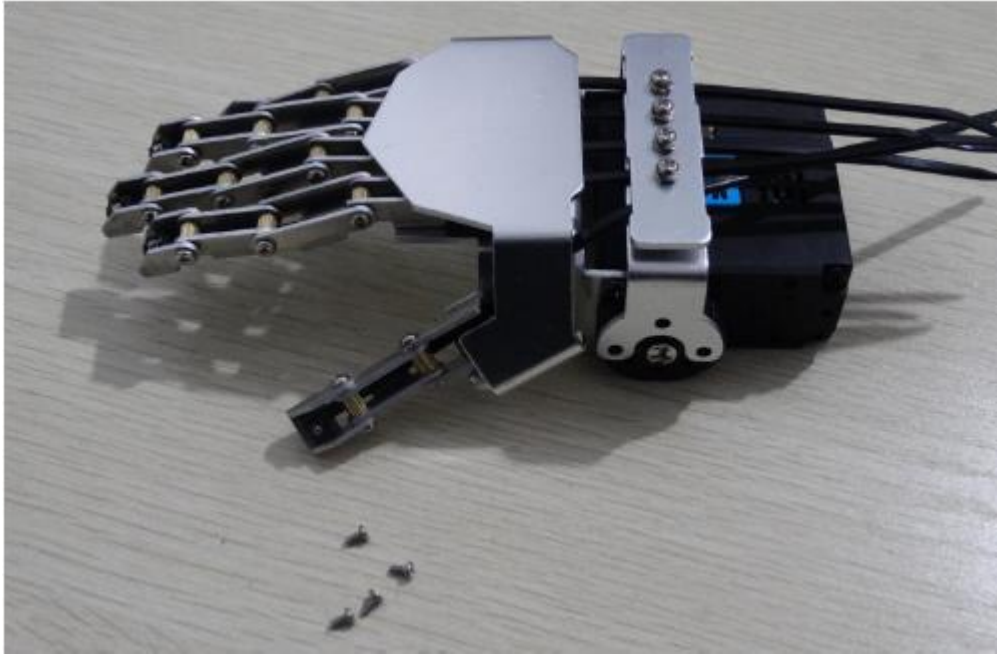
Here only install the rear steering wheel screw, **no need to install the front of the steering wheel screws**

4. Install finger tie, using M2X6 countersunk head screw.

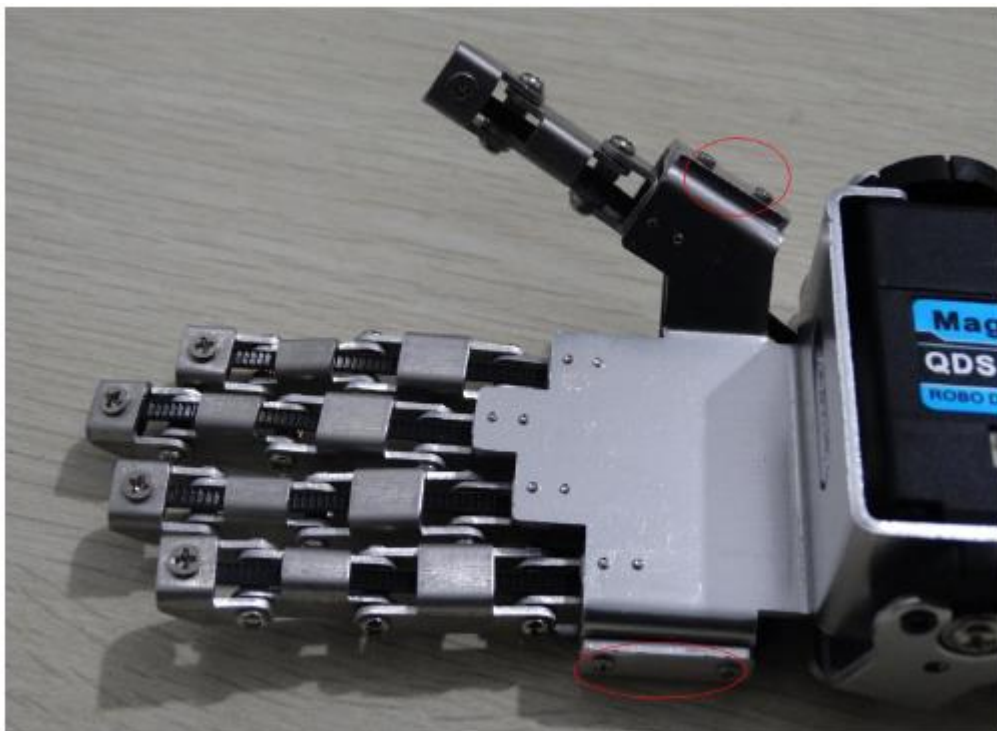
Direct use the self tapping screws screwed into the top of the tie, then tie into U frame plate.

The side of tie with teeth downwards .





5. Cover on the back of the hand, still use the M1.4X3 screw, M1.4 screw as self tapping screws forcibly screwed into the palm of the hand.



Note: The installation of the left and the right each one and then the remaining two screws to screw in, do not unilaterally directly into the 2.

6. To adjust the strap length, ensure the U frame in the most of the front, the index finger to finger in the minimum bending but not straight then lightly tighten the screws.



**Note** that the big finger tie longer than the other finger tie. Don't cut excess tie before adjustment over. Can push U frame back to try and ensure in the fist state **the thumb above the index finger**, after completing the adjustment then screw in tight.

7. After the adjustment minus the excess tie, then take out M2X6 tapping screws



8. Pull the U bracket, this time the big finger on the index finger. Screw down the before steering wheel' s 3 screws, this time must be to pull back with the U-shaped bracket, **in parallel to the U frame with the actuator** mounting screws.



Now assembly complete



<https://www.e-ika.com>