

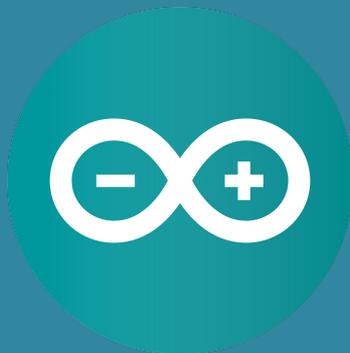


**fablab**  
# BELLUNO

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PRESENTANO



# CORSO ARDUINO 2019

DOCENTE: MICHELE ZOPPE'



**fablab**  
# BELLUNO

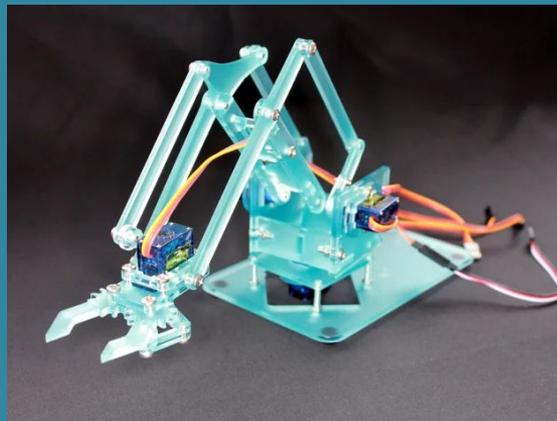


LUGANEGA The LuganeGA logo graphic consists of two irregular shapes, one blue and one yellow, positioned to the right of the text.

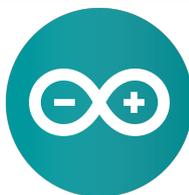
CORSO ARDUINO 2019

# LEZIONE 7

## PROGETTO FINALE



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# BELLUNO



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# CORSO ARDUINO 2019 LEZIONE 7

OBIETTIVO:

*“Costruire e programmare un braccio robotico pilotabile tramite joystick e Arduino.”*

Per poi esporlo a ...



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# CASTALDI MUSIC FESTIVAL

Dal 14 al 18 Agosto 2019 - località Pian dei Castaldi sopra Barp di Sedico

 Evento Facebook

**Domenica 18 Agosto mattino, tutti invitati!! ;-)** ← **SEGNATEVELO!!**

## CORSO ARDUINO 2019 LEZIONE 7

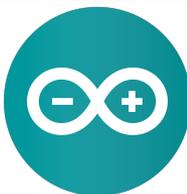
PROCEDIMENTO per la realizzazione:

1 - Scaricare da: <https://www.instructables.com/id/Pocket-Sized-Robot-Arm-meArm-V04/> il file contenente il file da sottoporre a stampa laser (POI VEDREMO COME E' STATO FATTO)

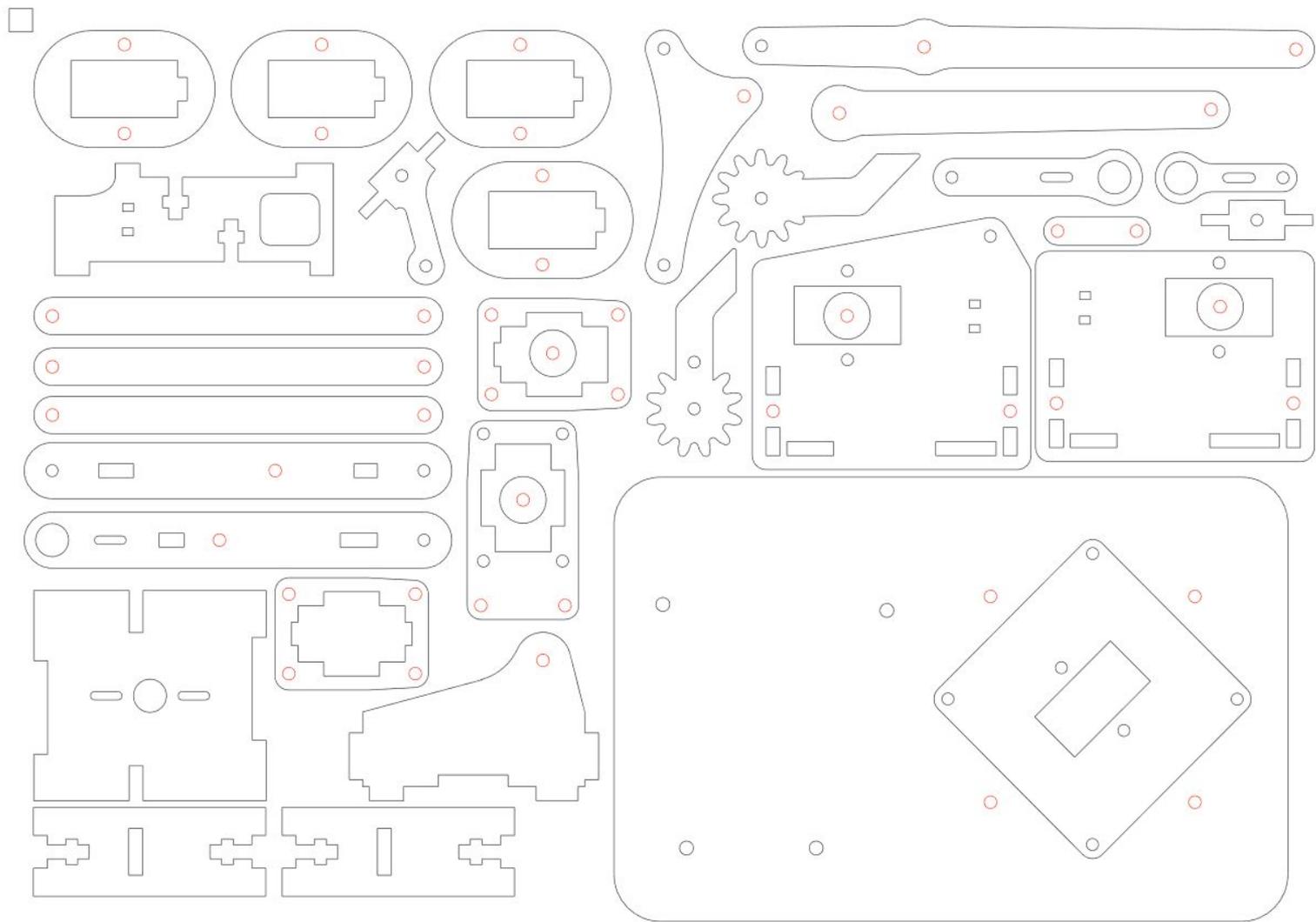
2 - Seguire le istruzioni presenti sul sito. Qui di seguito alcune immagini dal sito del progetto ufficiale



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## CORSO ARDUINO 2019 LEZIONE 7

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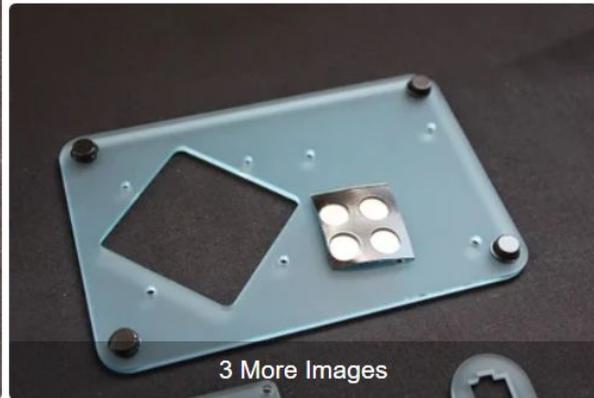
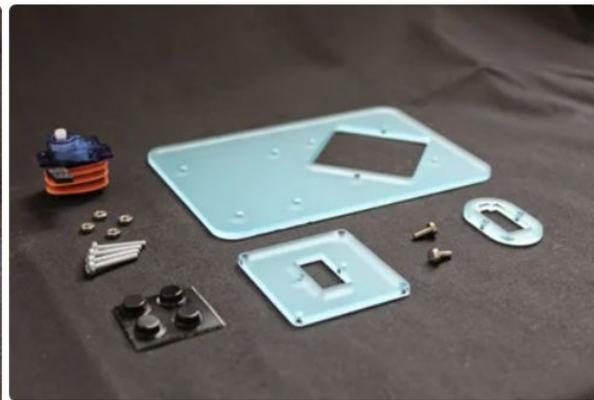
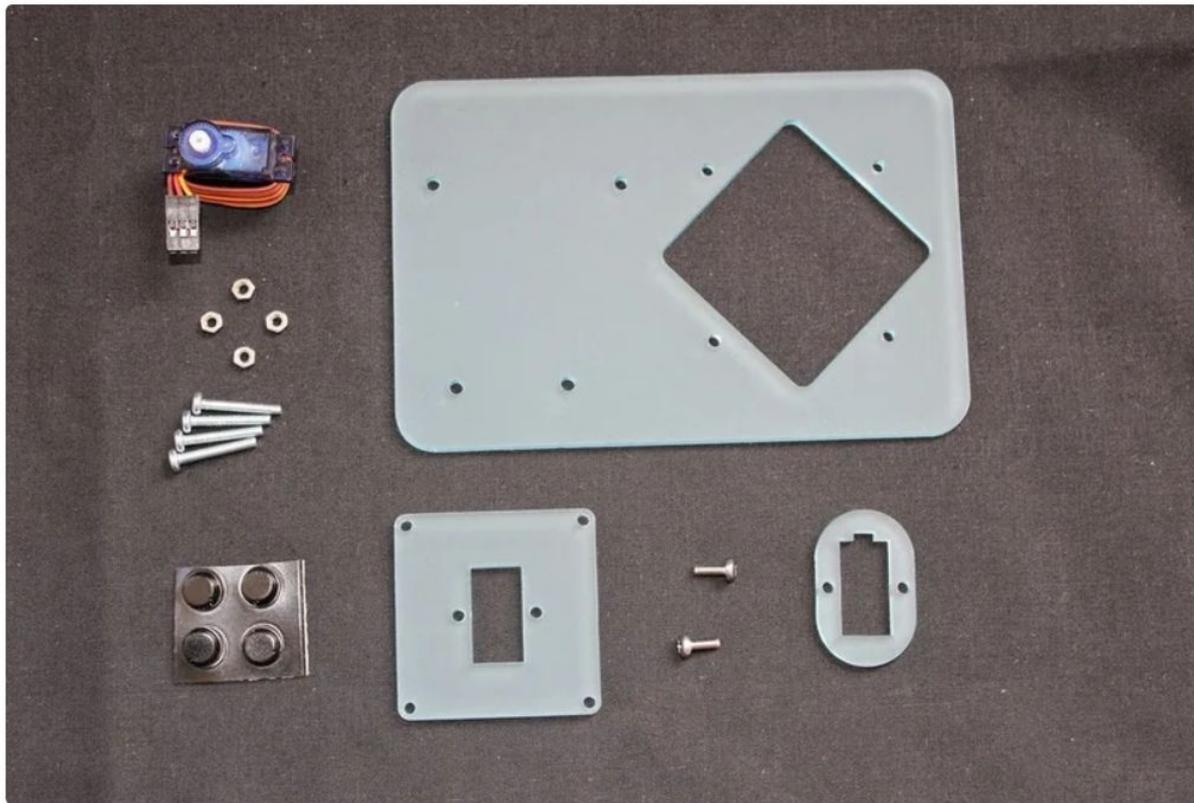


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# BELLUNO

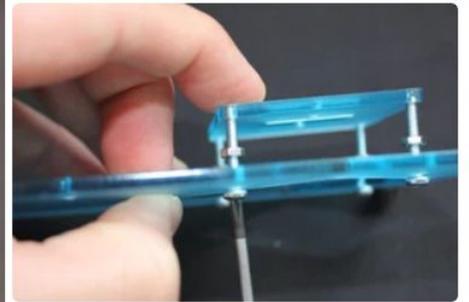
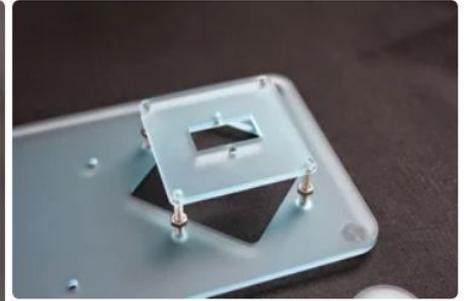
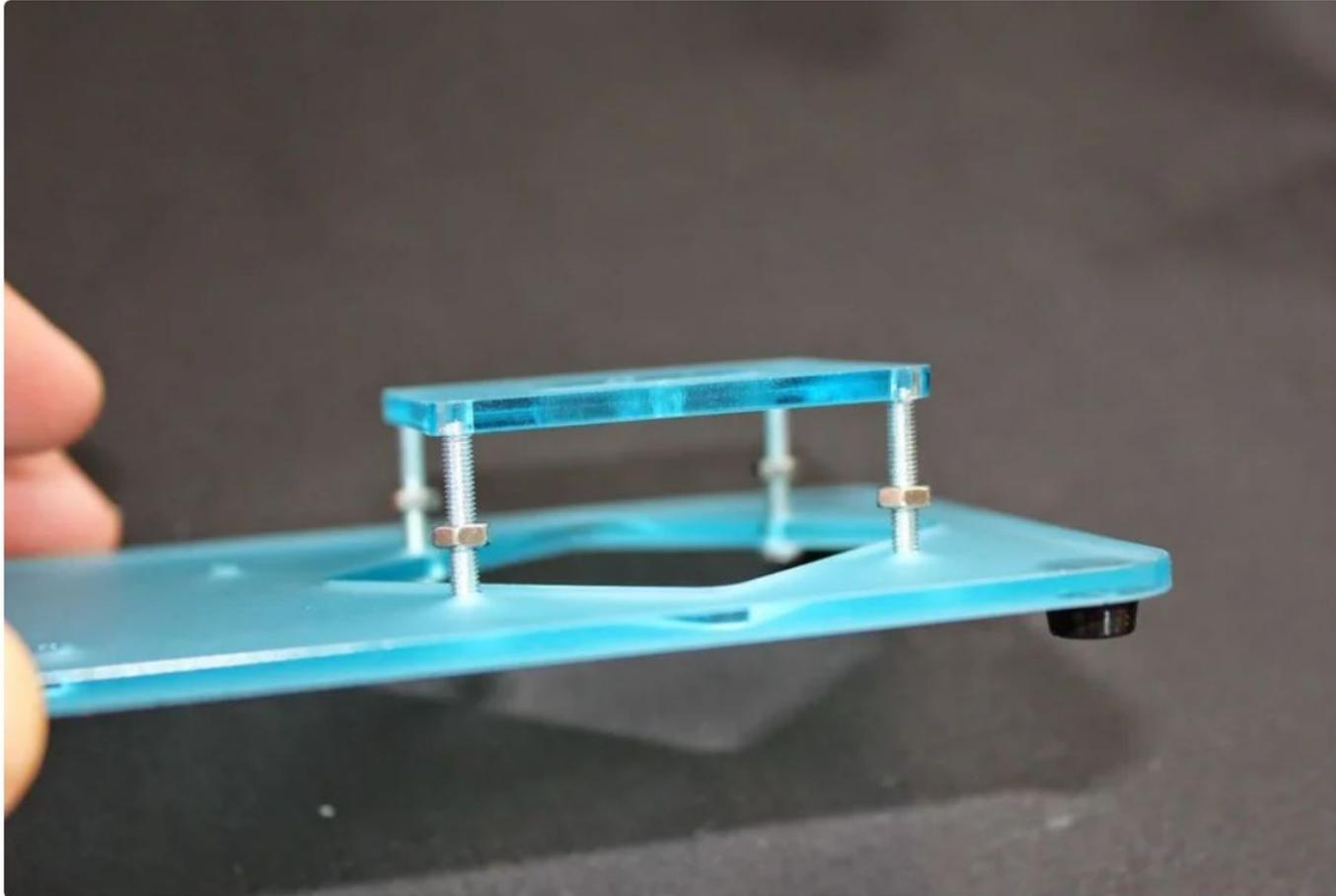


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## Step 2: Prepare the Base!

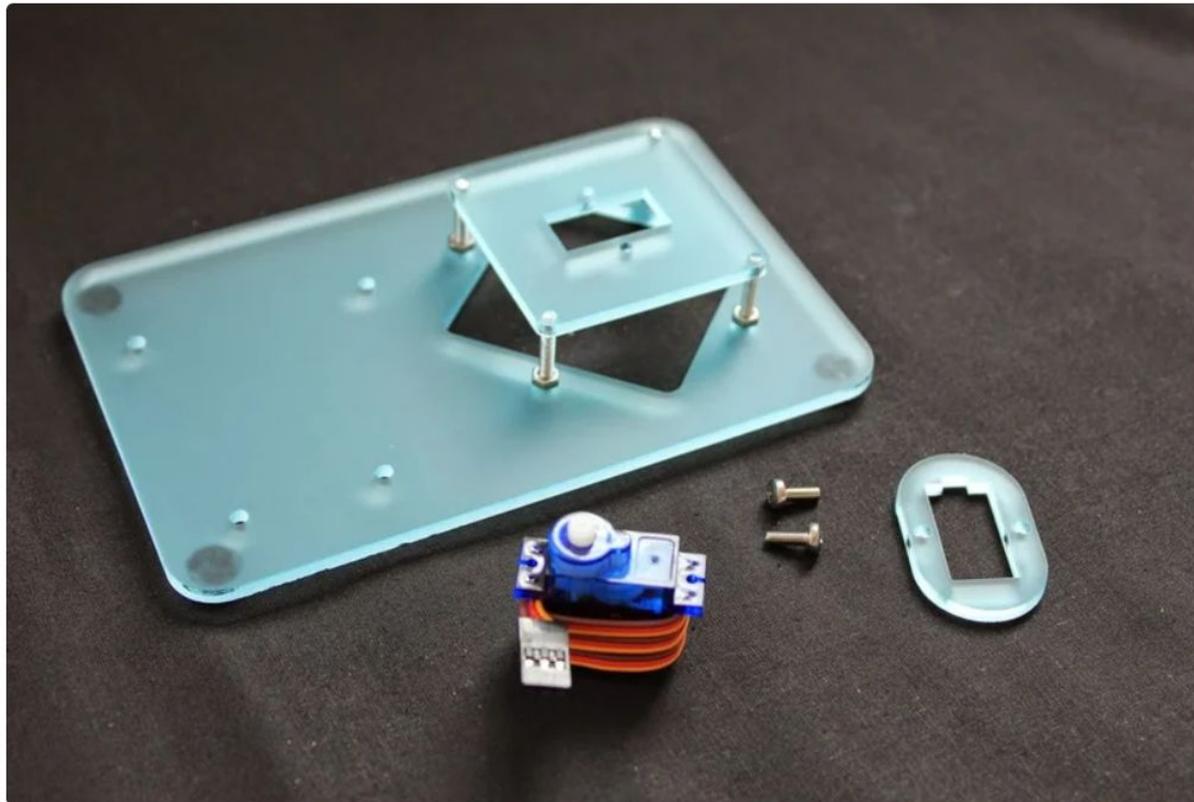


### Step 3: Add the Square

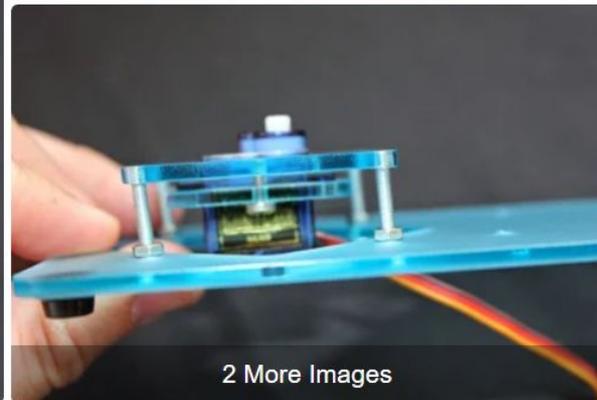
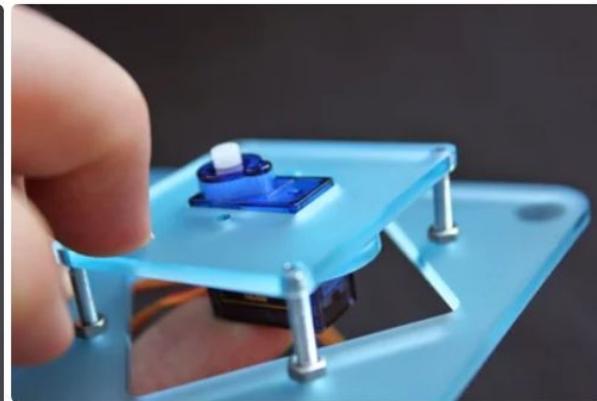
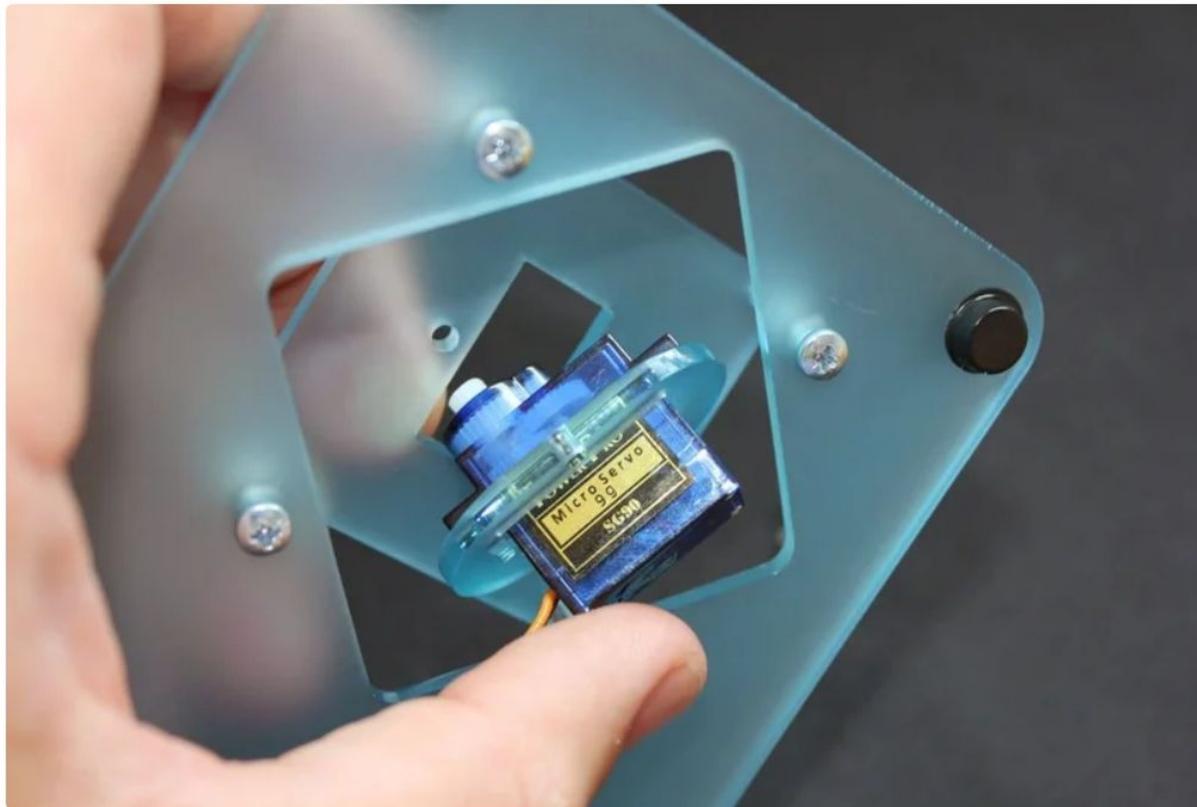


3 More Images

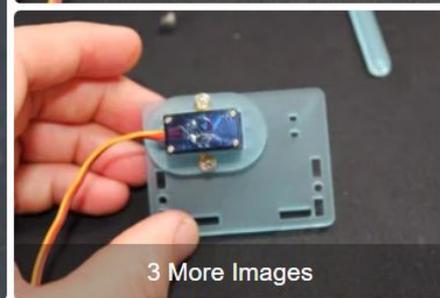
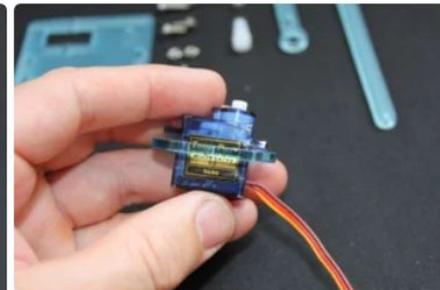
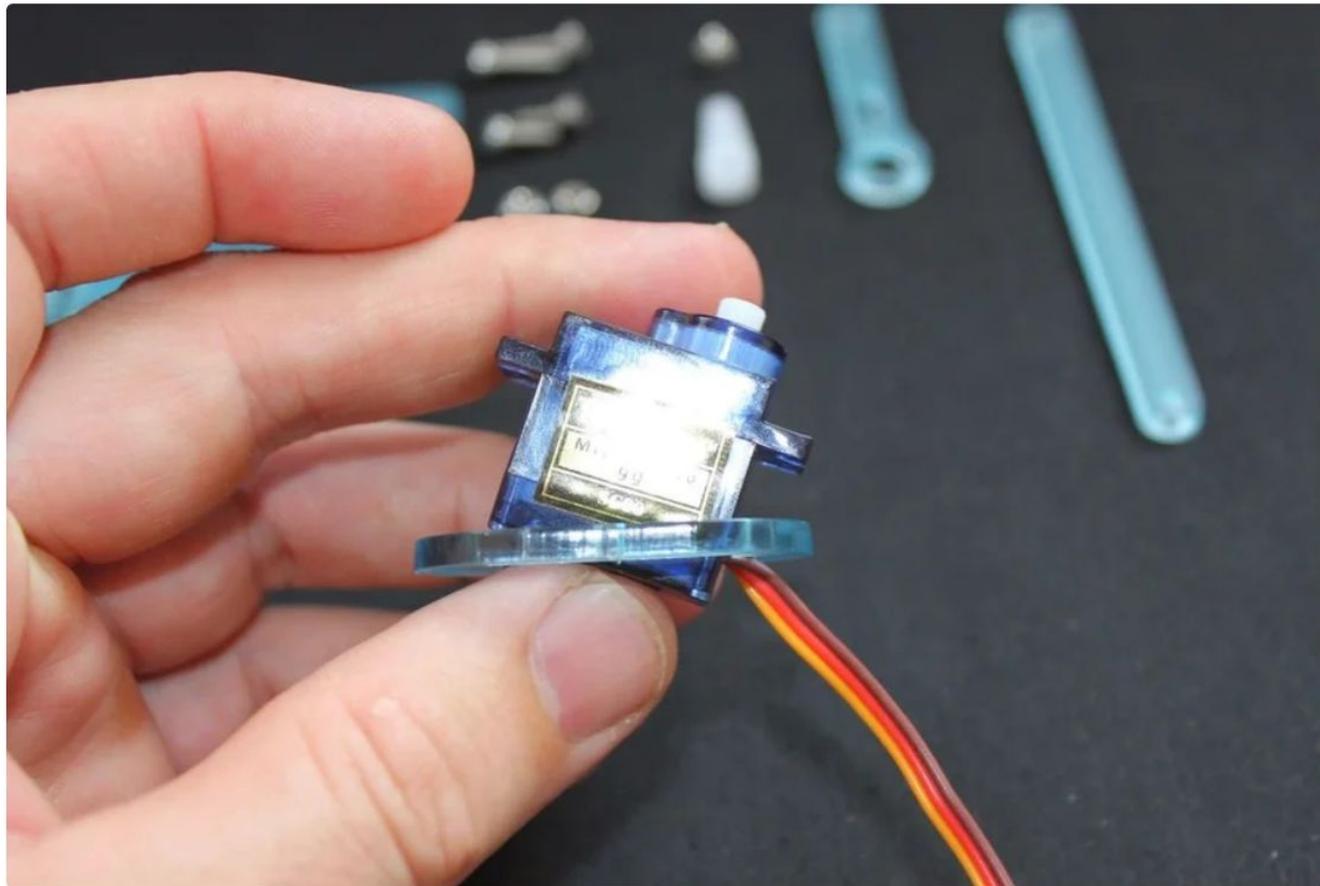
## Step 4: Collar the Servo



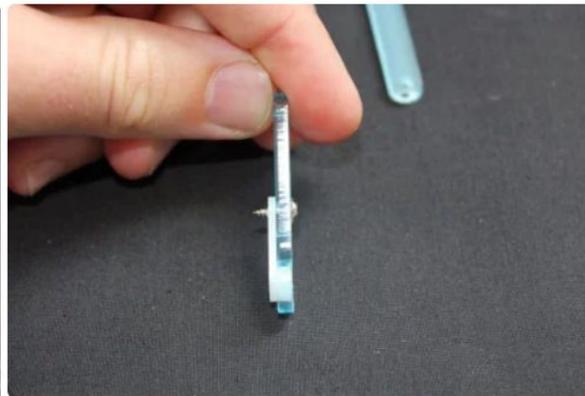
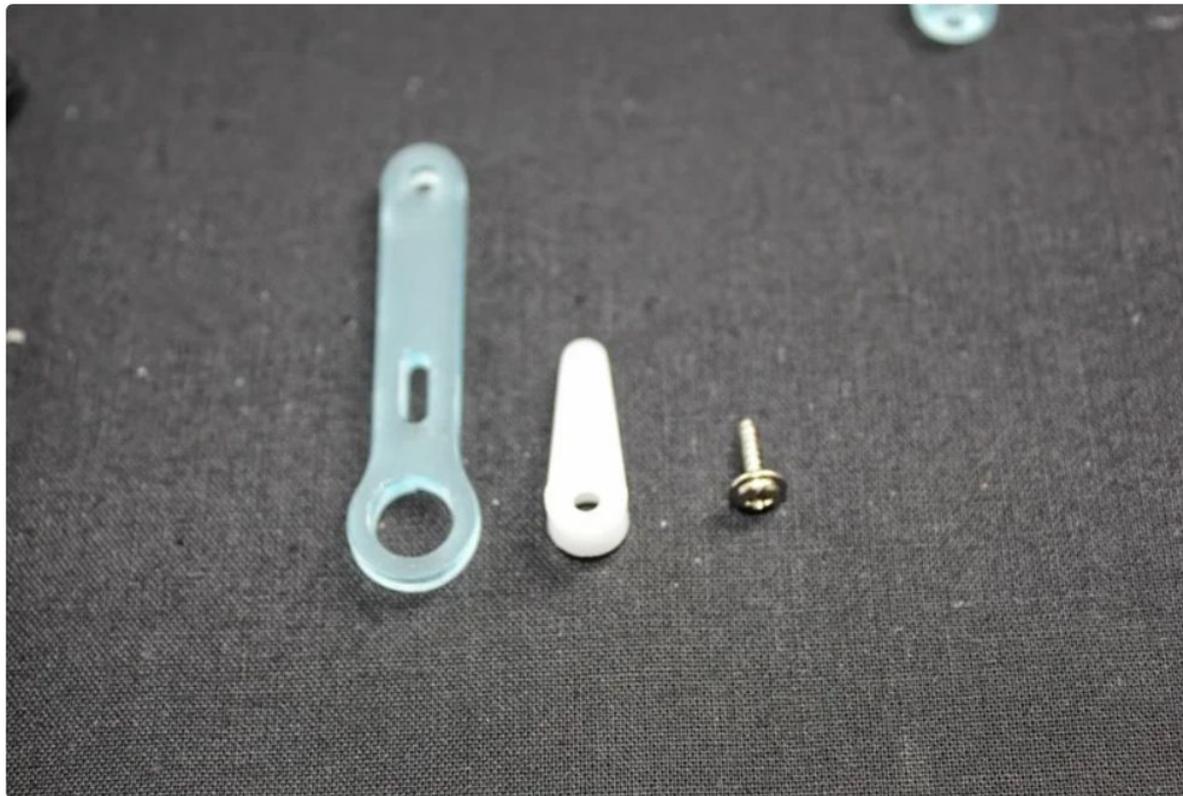
## Step 5: Attach the Collar to the Square on the Base



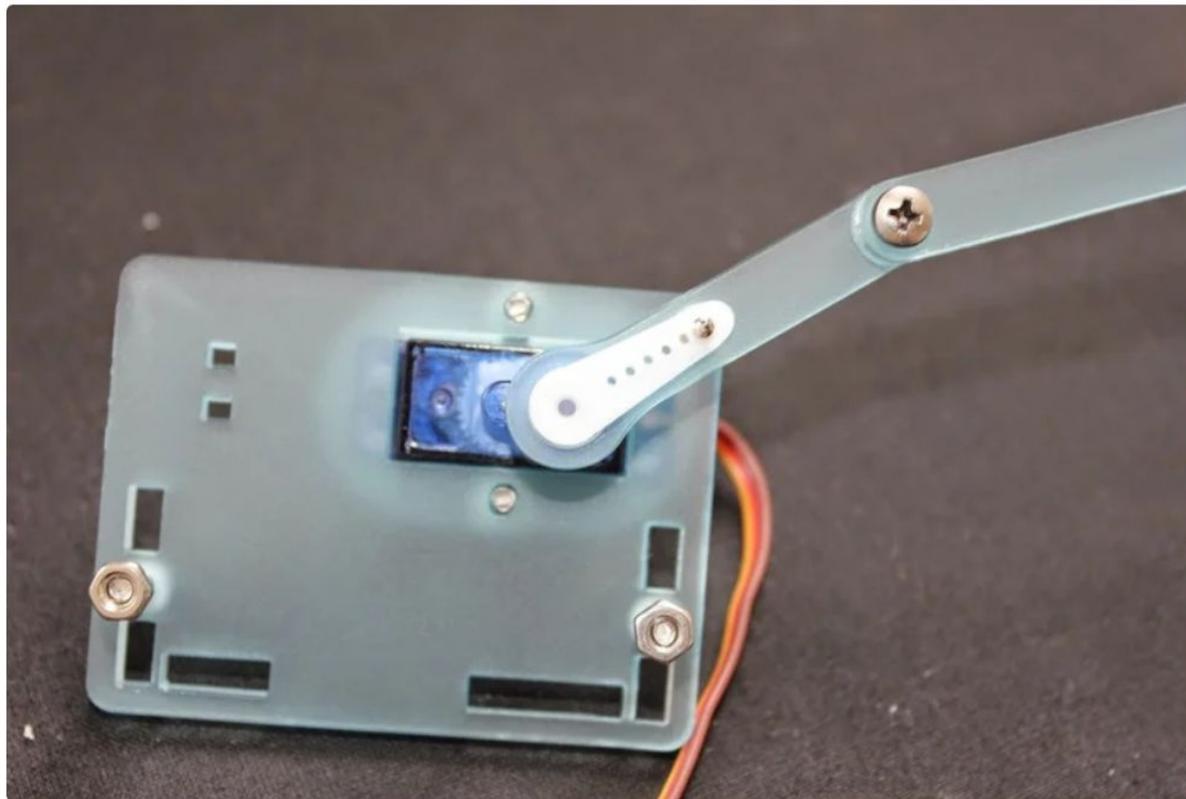
## Step 7: Collar the Servo and Attach



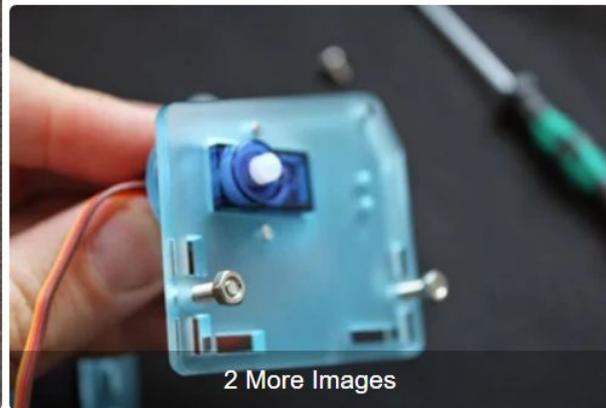
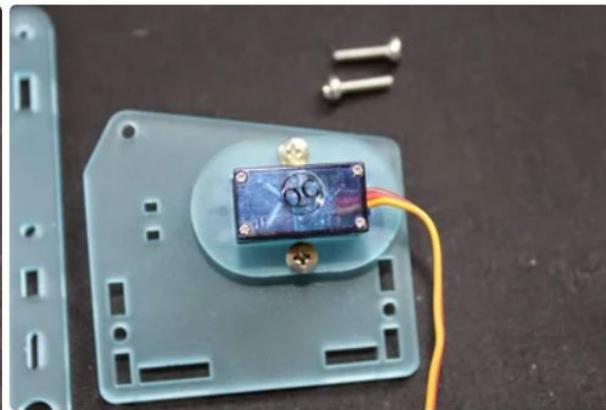
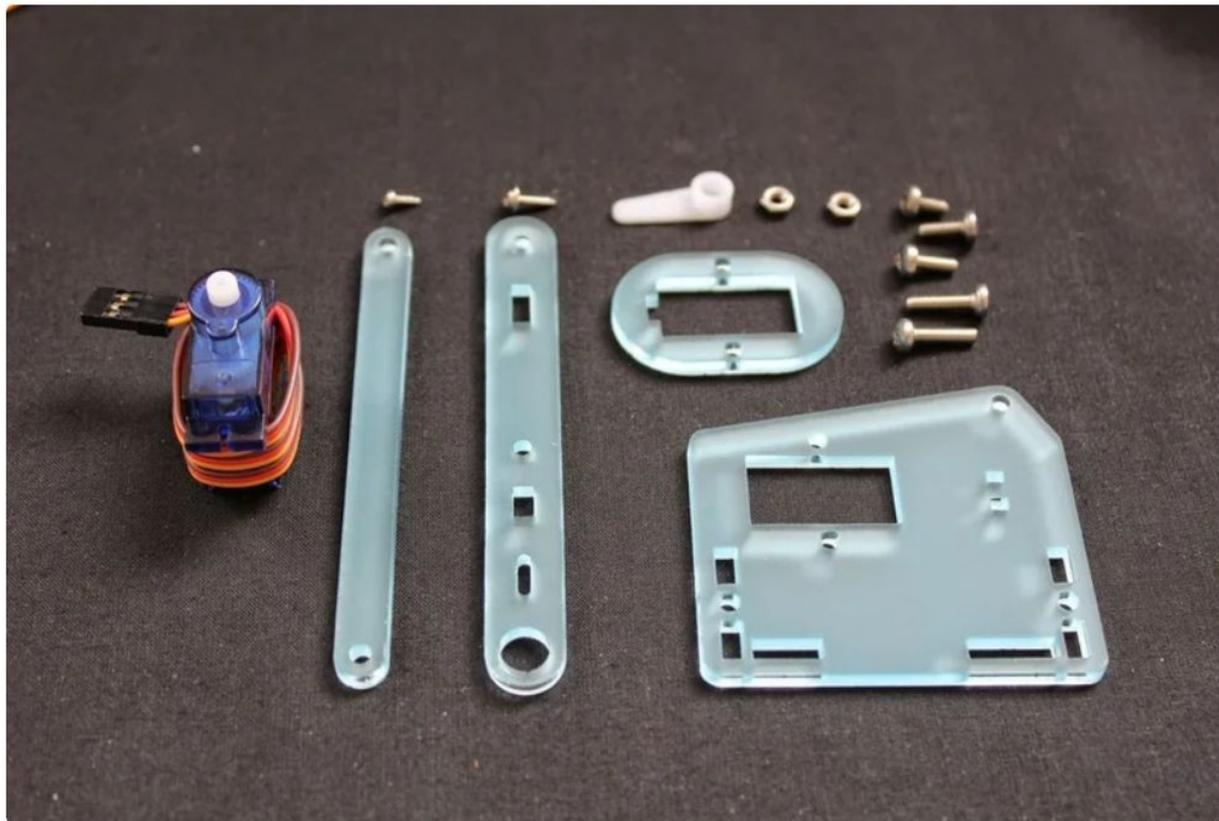
## Step 8: Build Your First Levers



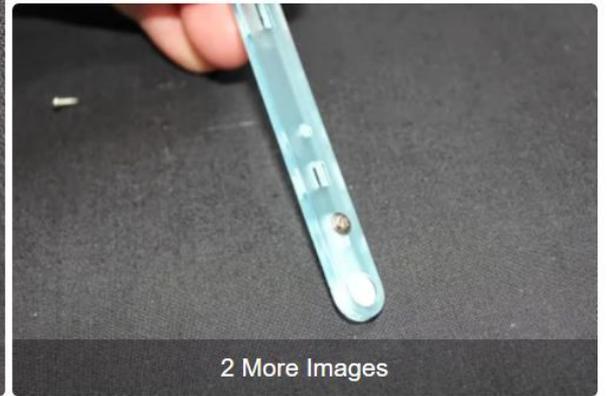
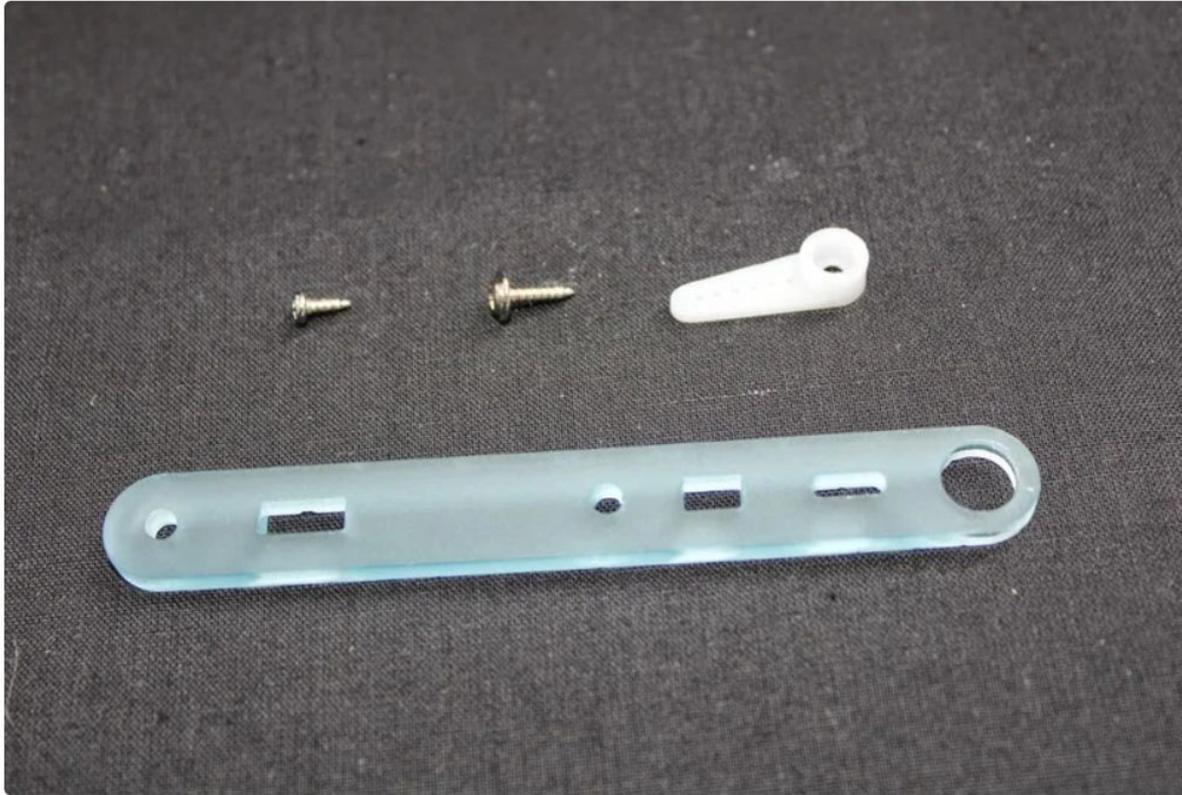
## Step 9: Attach Lever and Find Your Limits!



## Step 10: Build the Right Hand Side

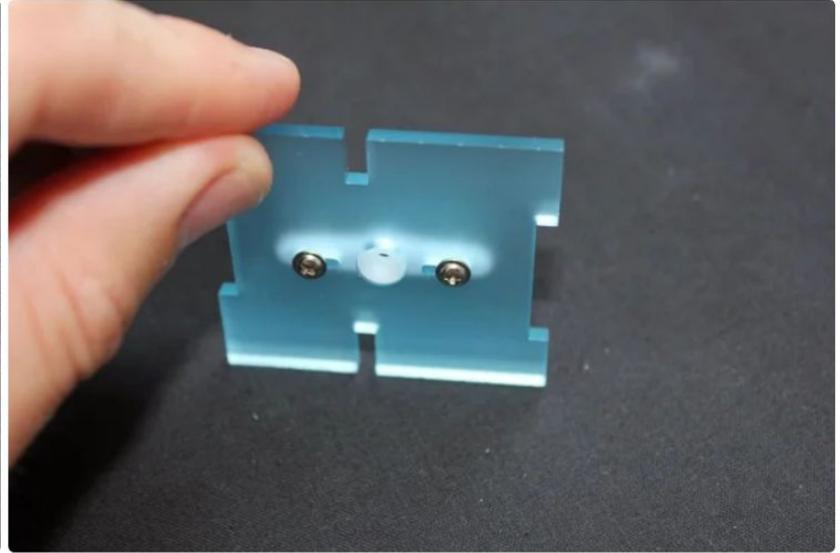
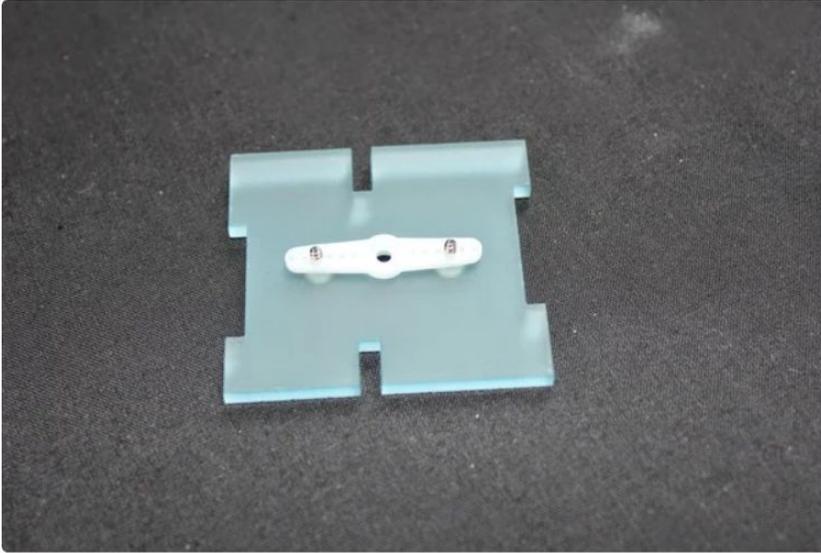


## Step 11: Attach to Servo and Set Limits

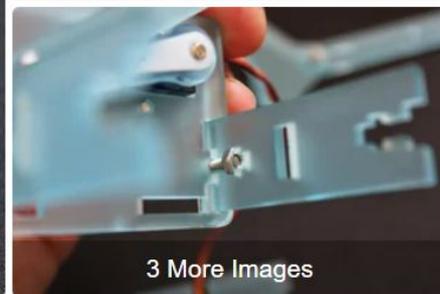
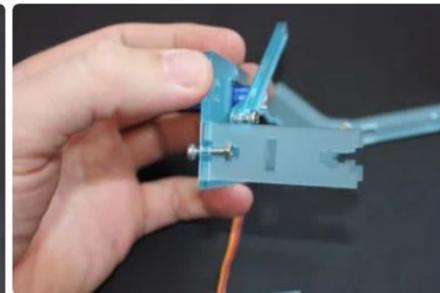
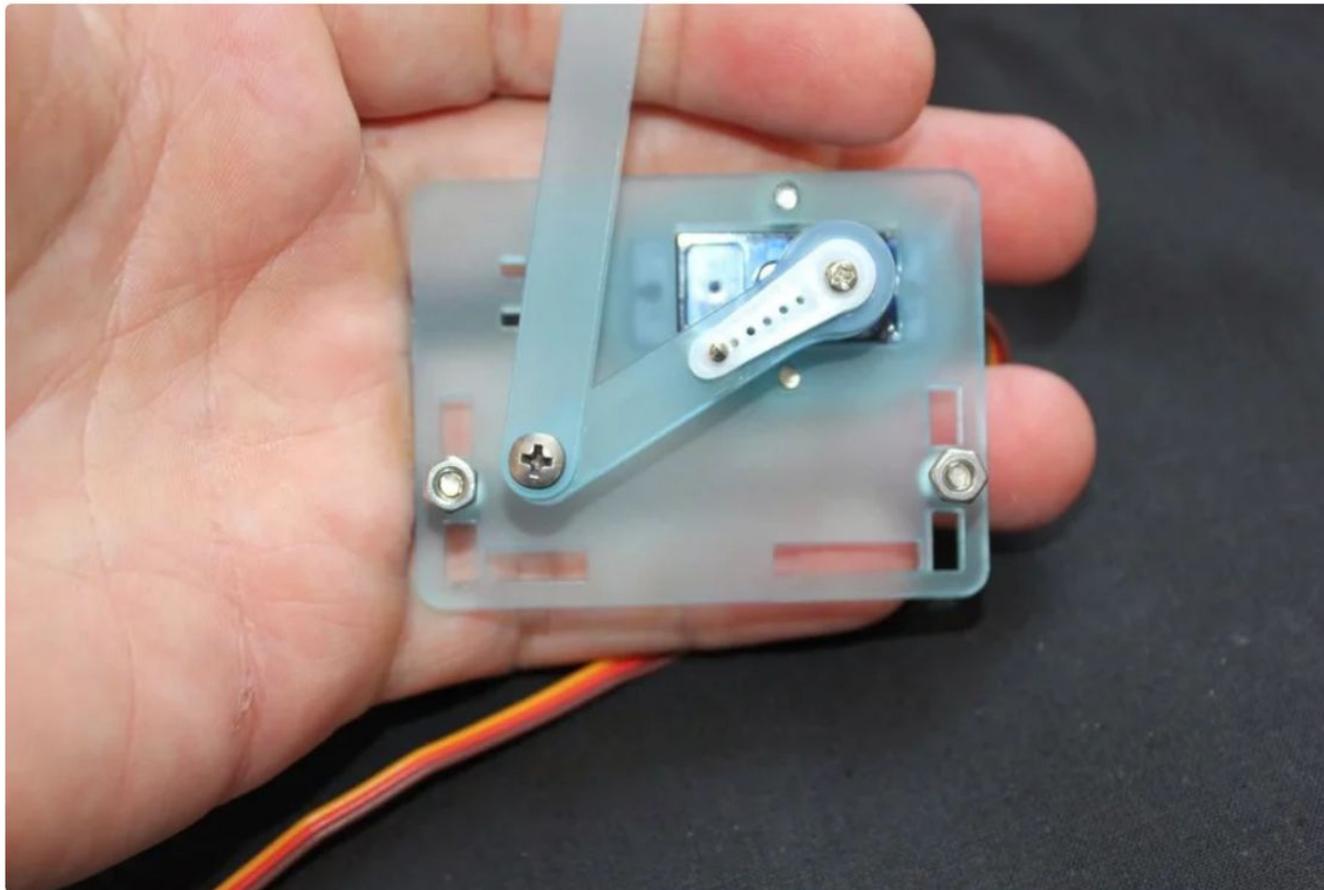


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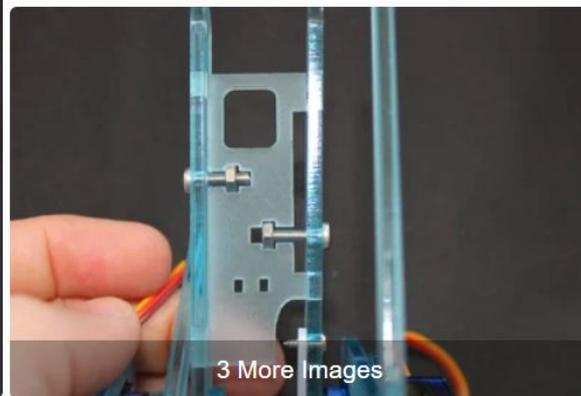
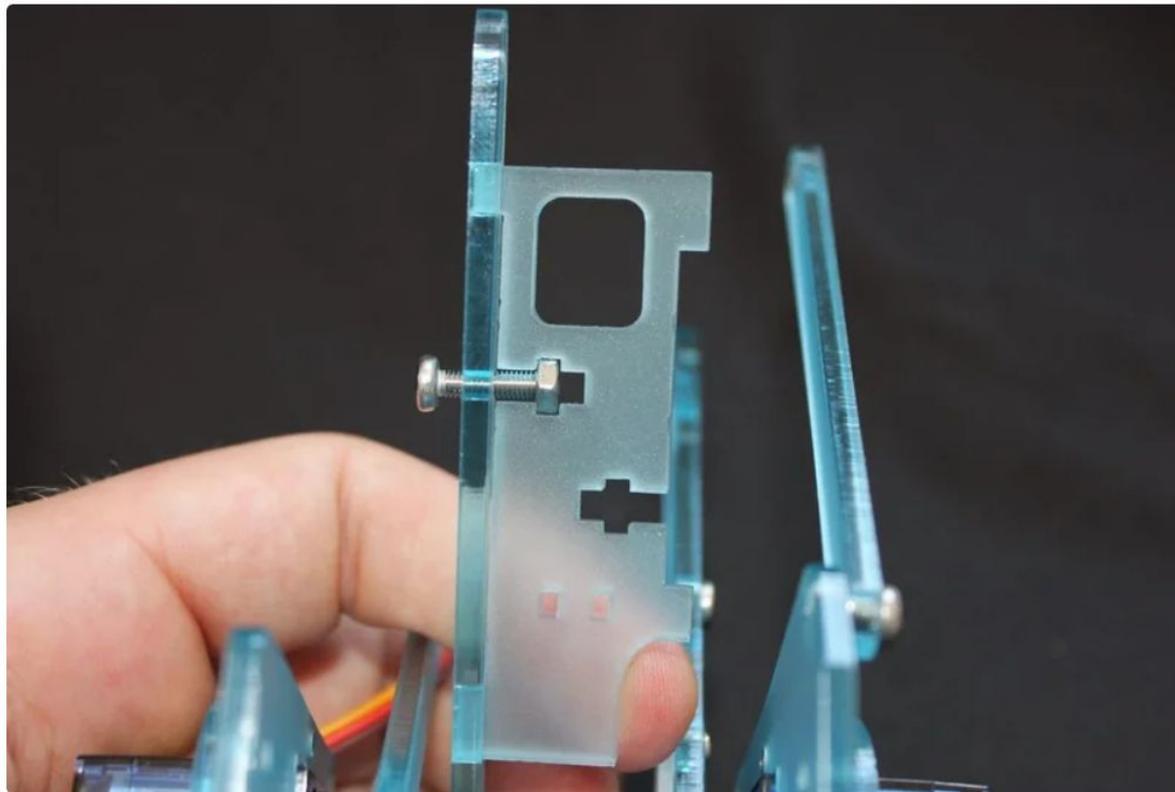
**Step 13: Attach the Servo Horn to the Base**



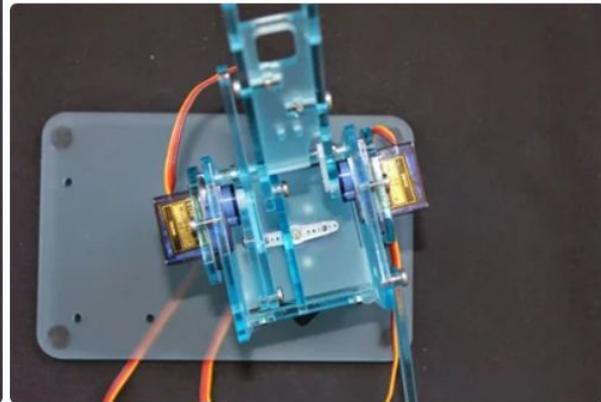
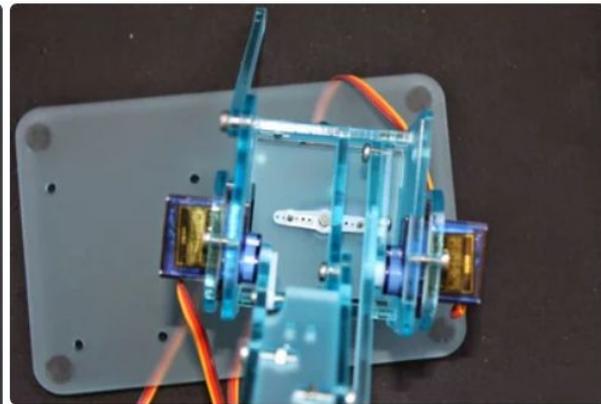
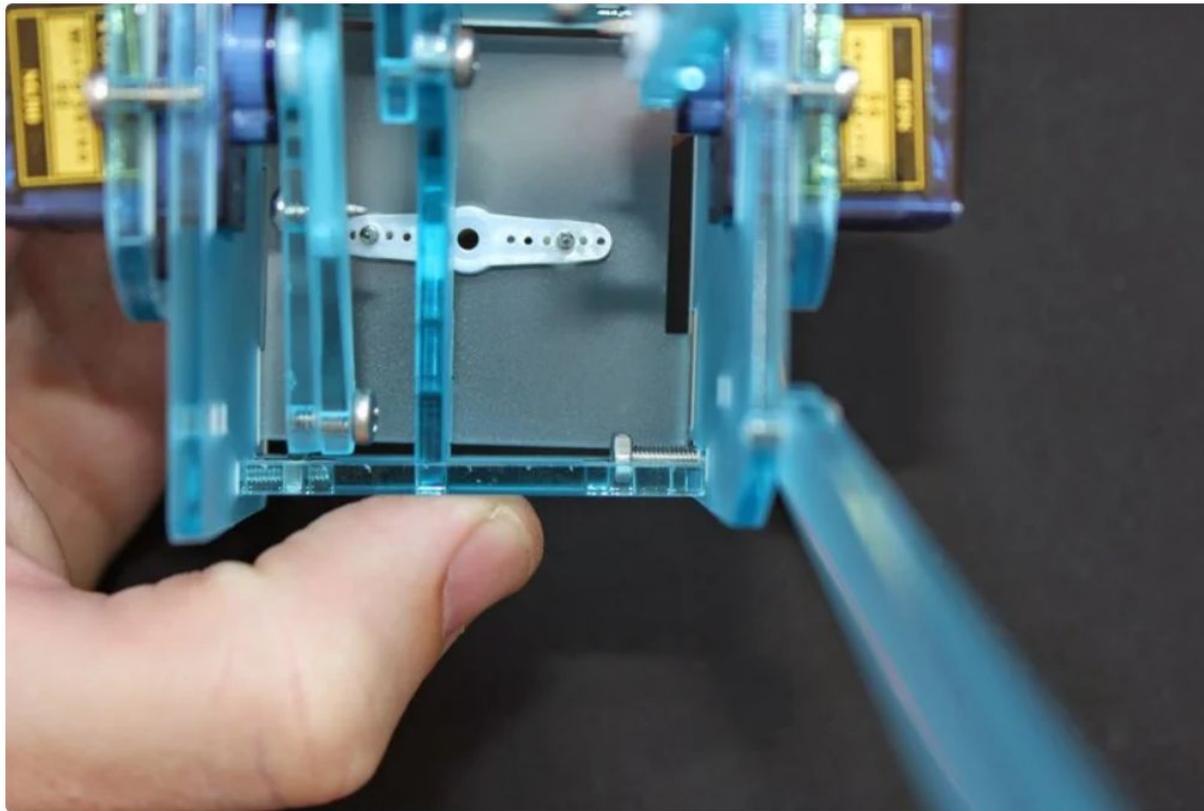
## Step 14: Meeting Old Friends!



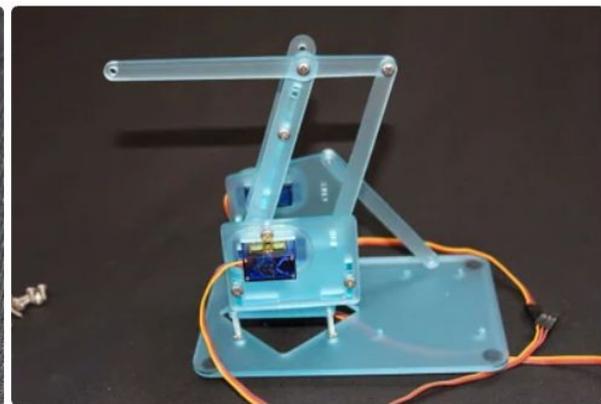
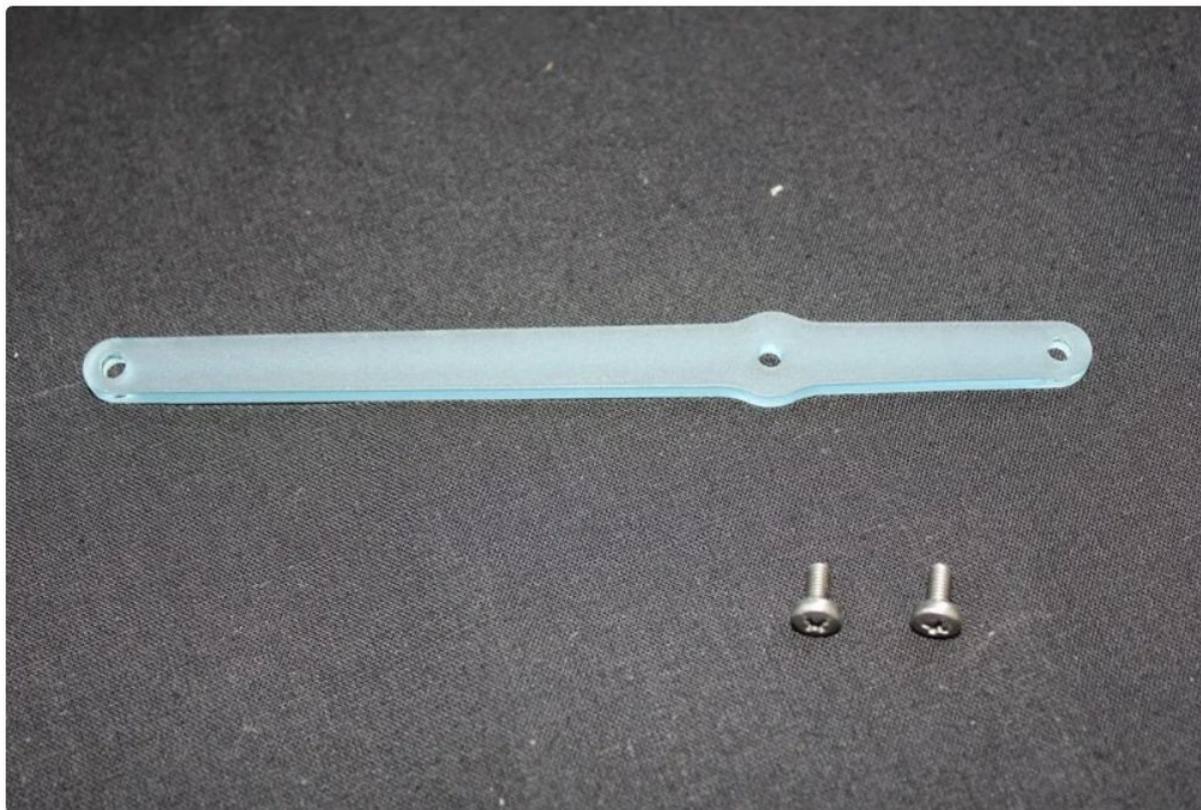
## Step 15: Add the RHS



## Step 16: Marry to the Base!

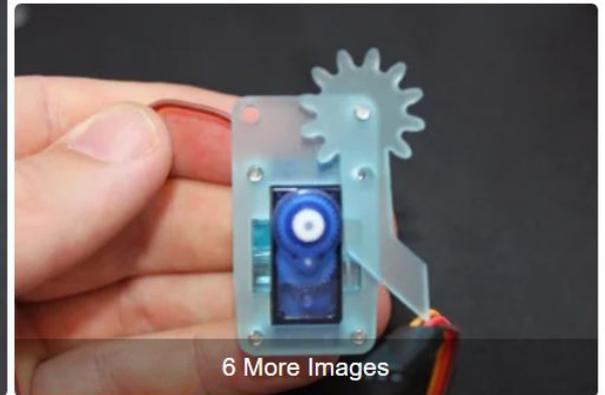
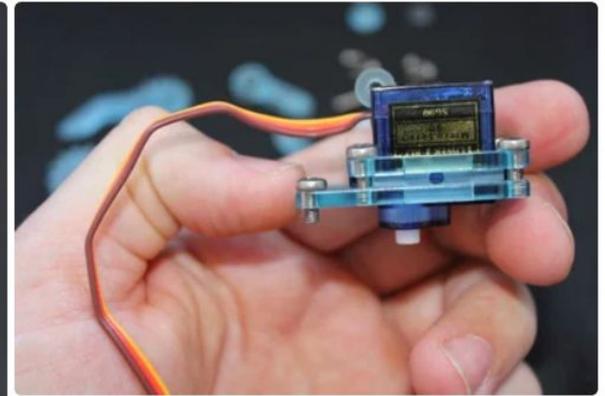
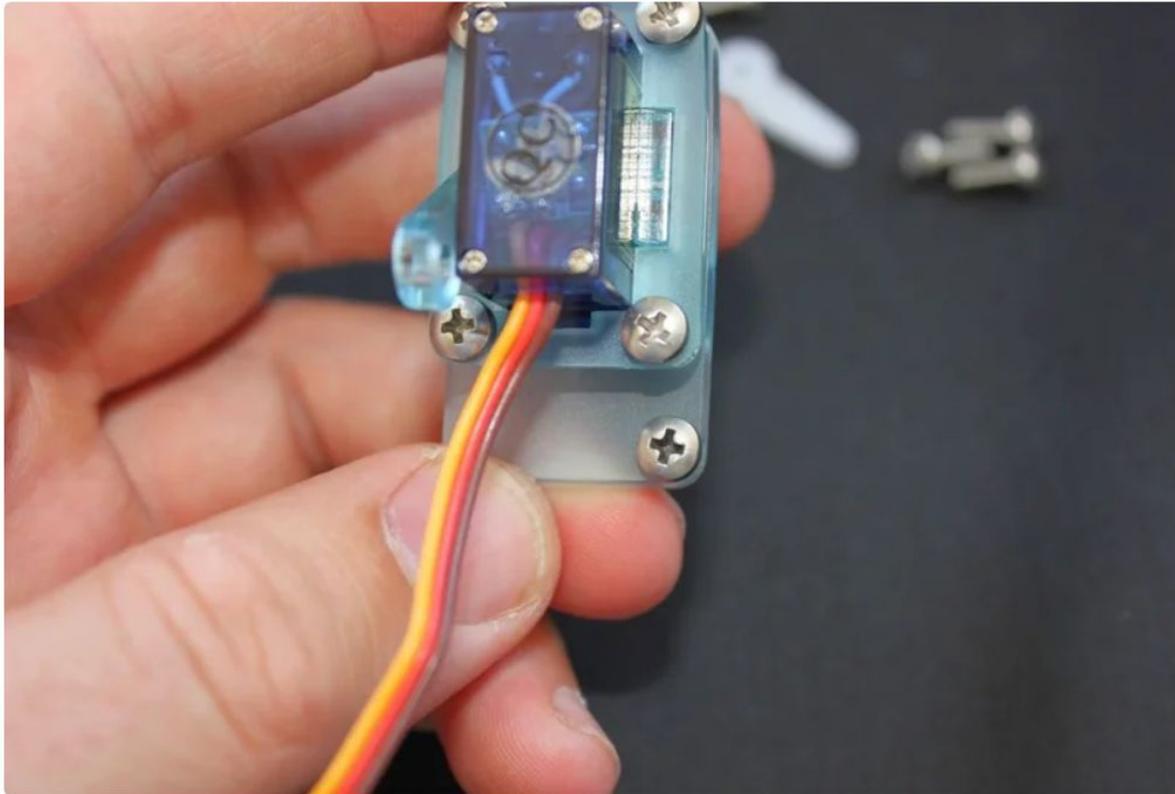


## Step 17: Left and Right Forearms

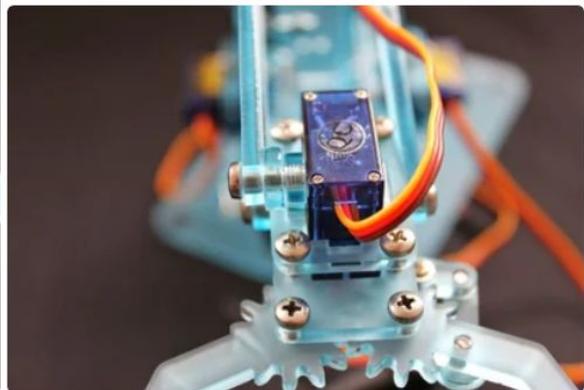
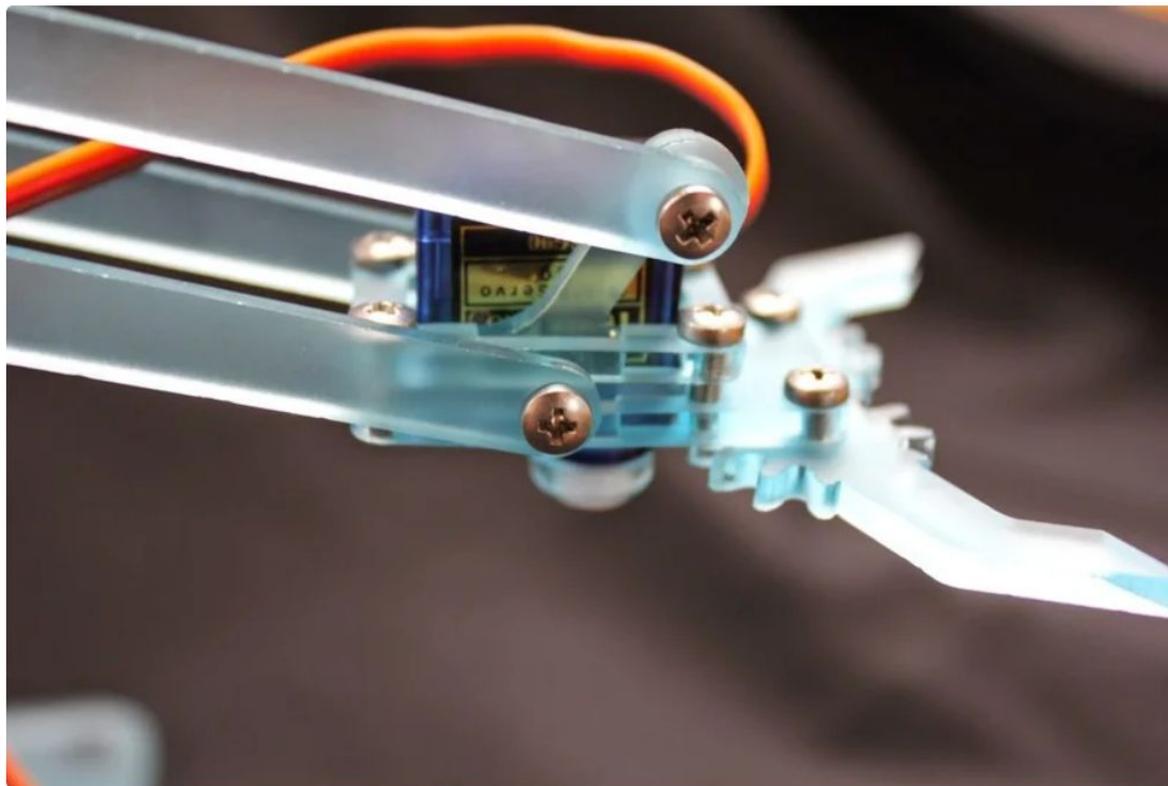


5 More Images

## Step 19: Jaws



## Step 20: The Final Step!



# CORSO ARDUINO 2019 LEZIONE 7

E ora... Non rimane che collegare il tutto ad un Arduino e programmarlo a piacere!

Per fare questo ci divideremo in 3 gruppi:

- Movimento orizzontale
- Movimento verticale
- Movimento mano

BUON LAVORO!!



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