



Braço Robótico com Arduino e Joystick

Manual de Montagem



FILIPEFLOP Componentes Eletrônicos

Conteúdo

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Montagem passo a passo

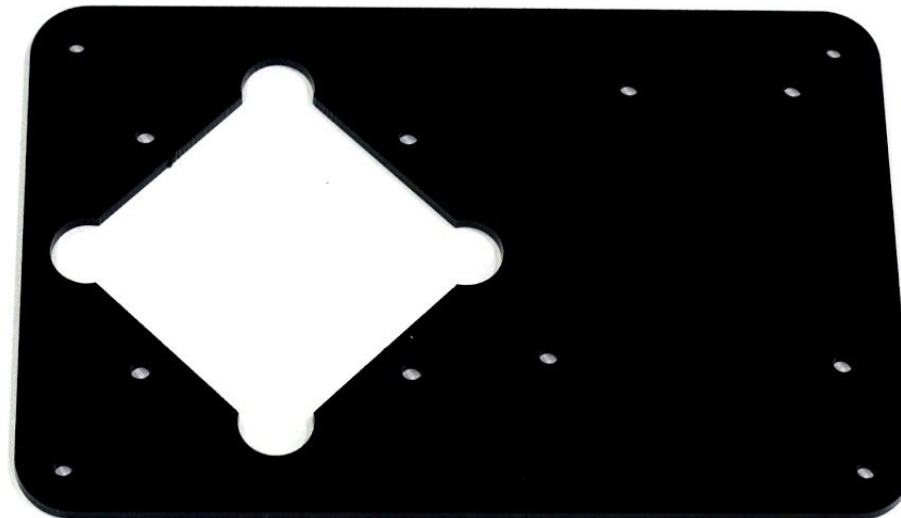
M4x25
4pcs

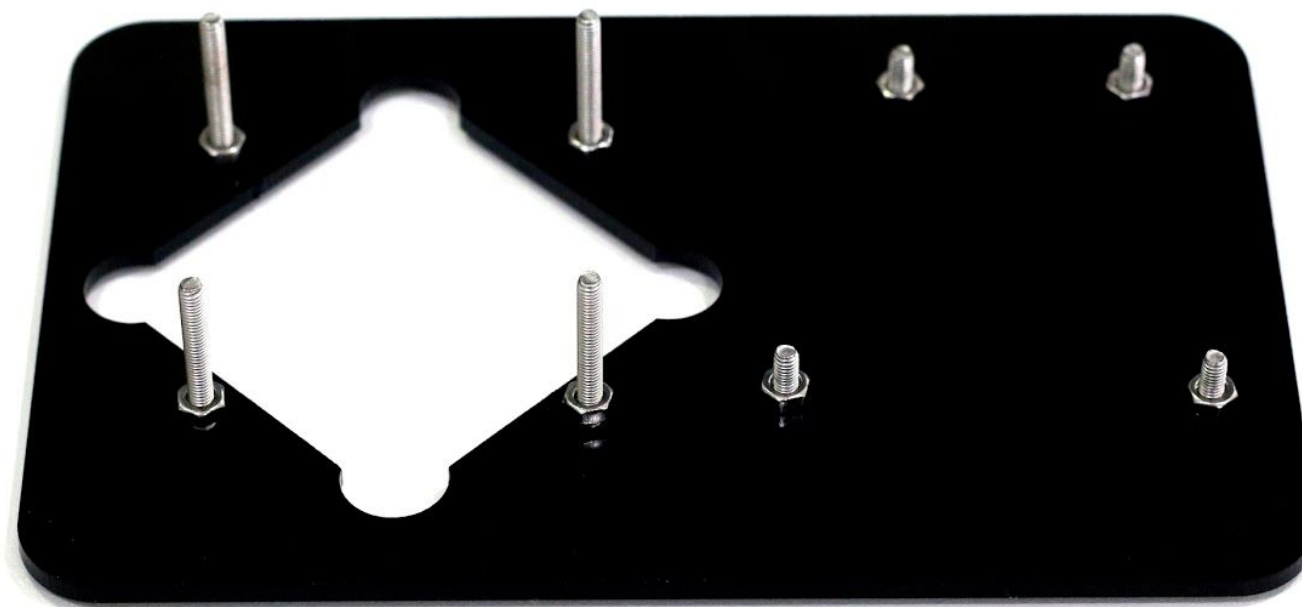


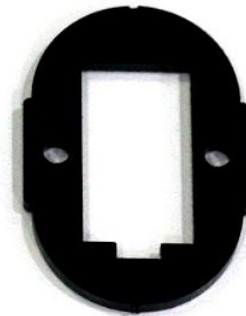
M3x10
4pcs



Porca M3
8pcs



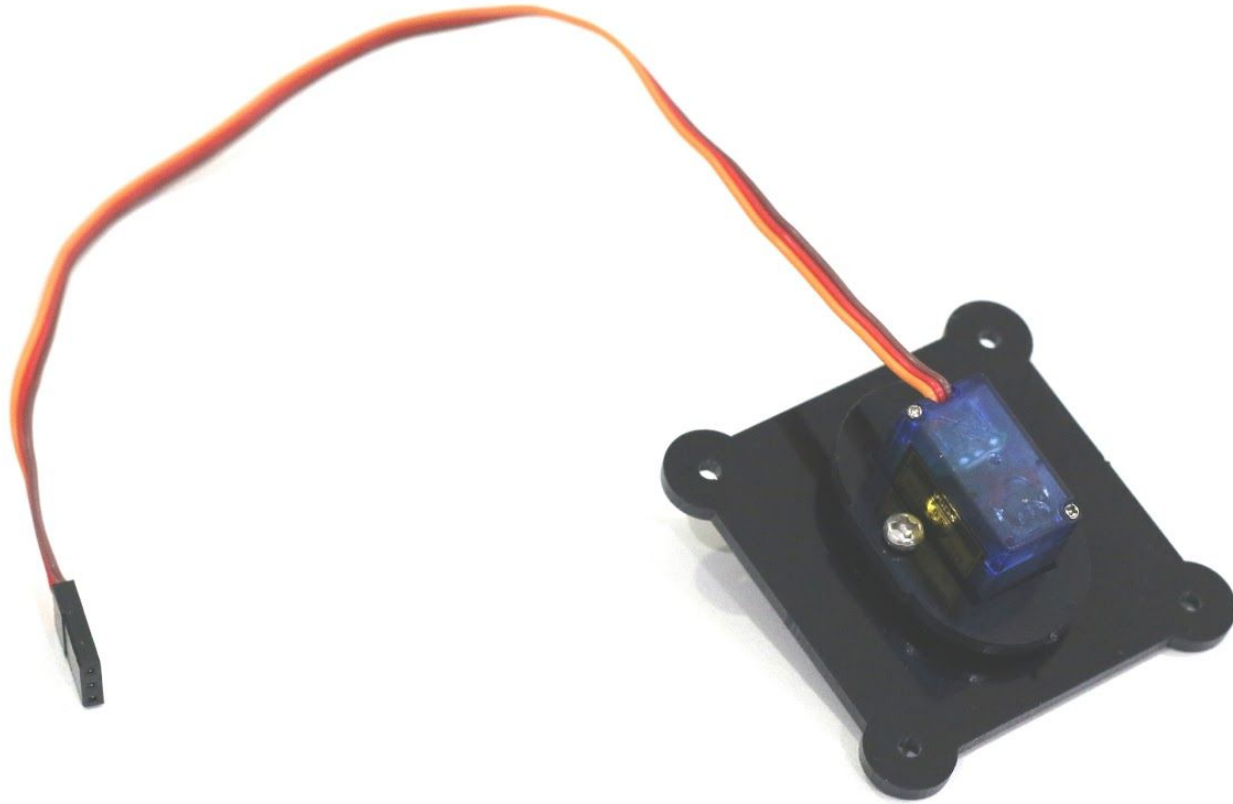


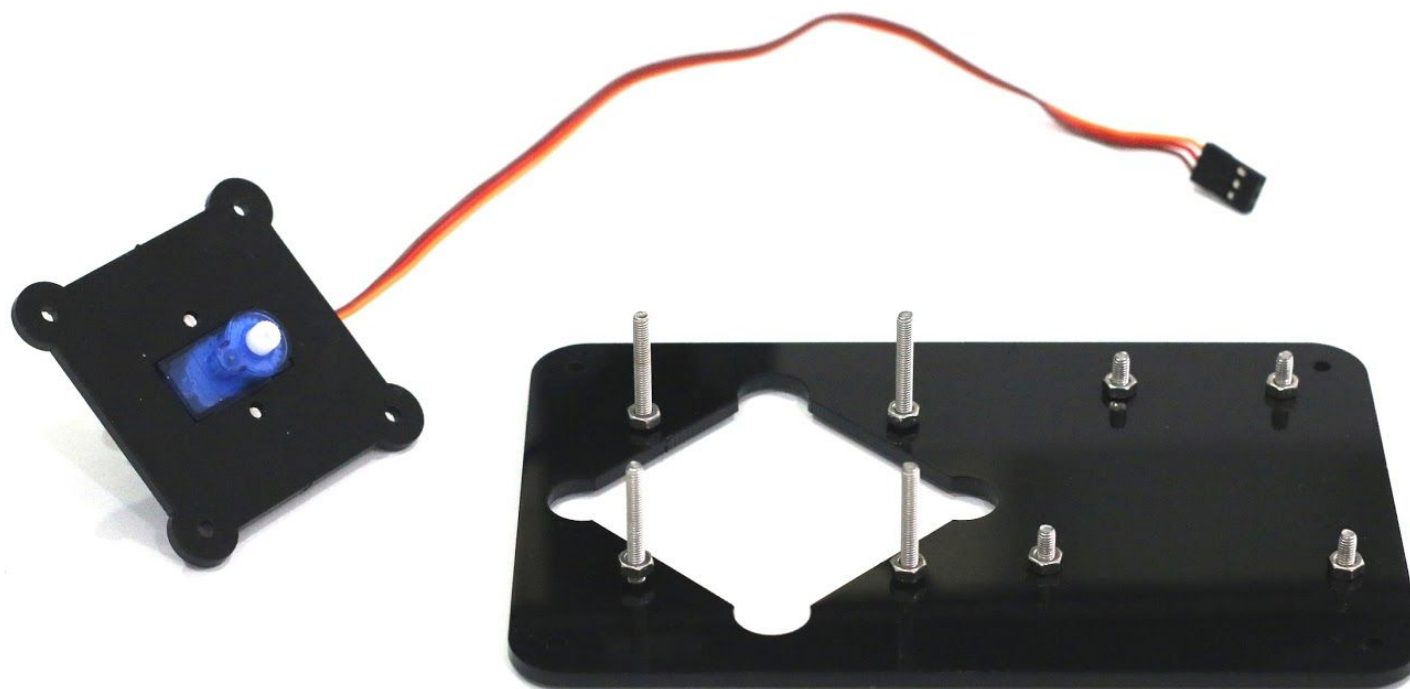


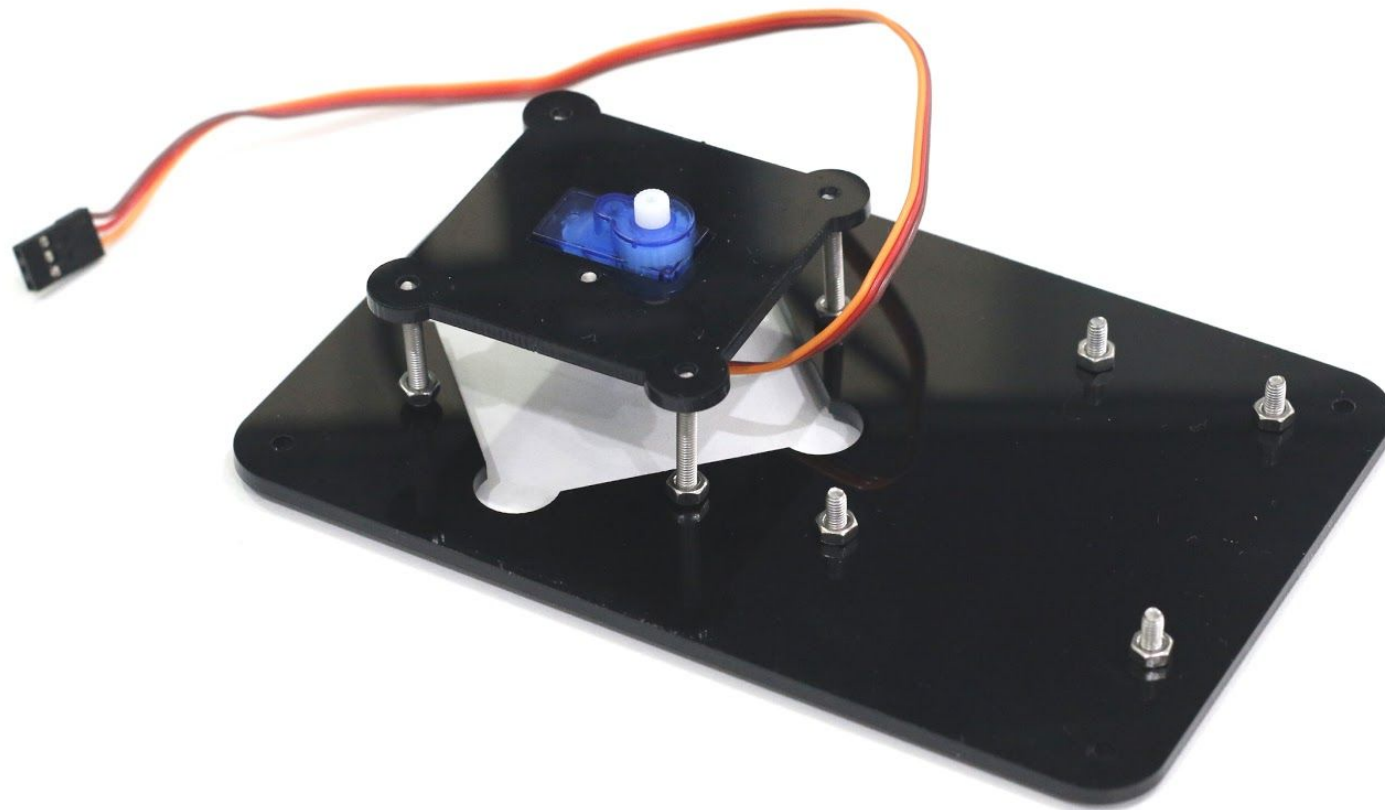
M3x8
2pcs

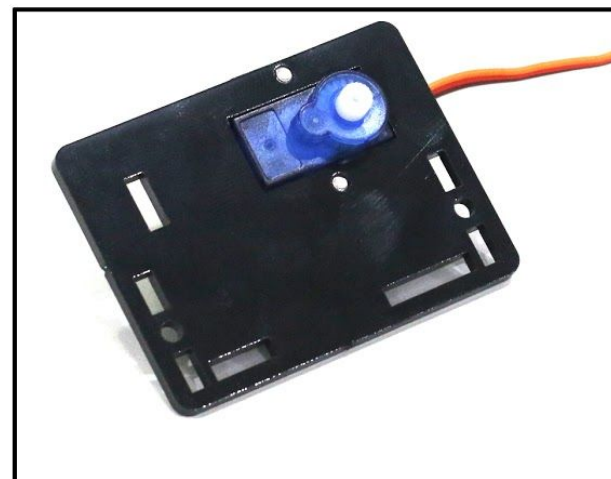
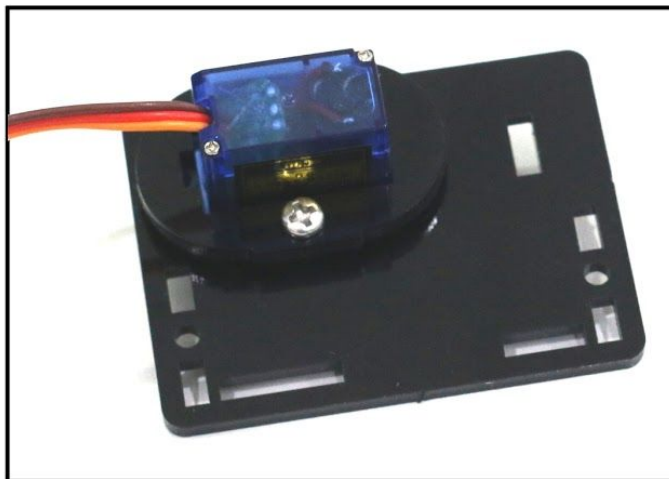
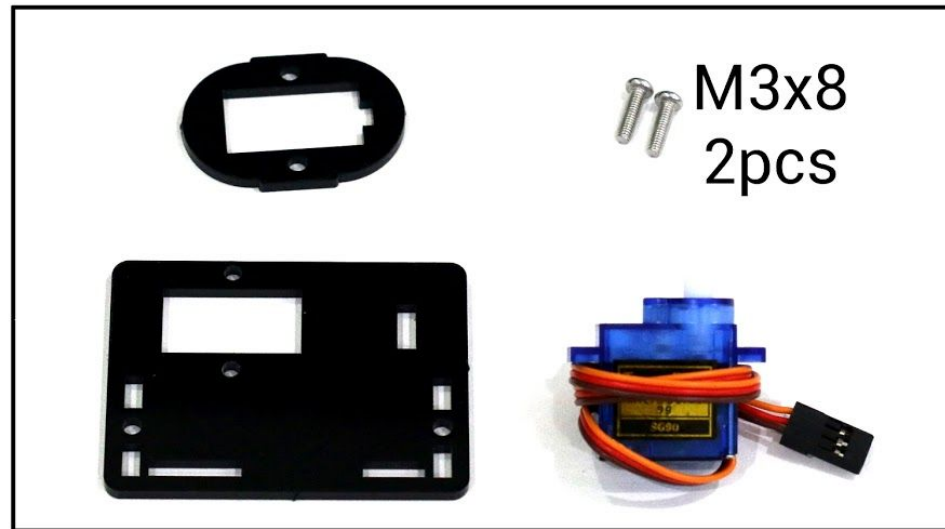


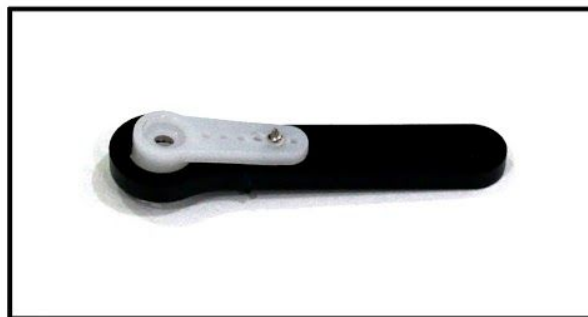


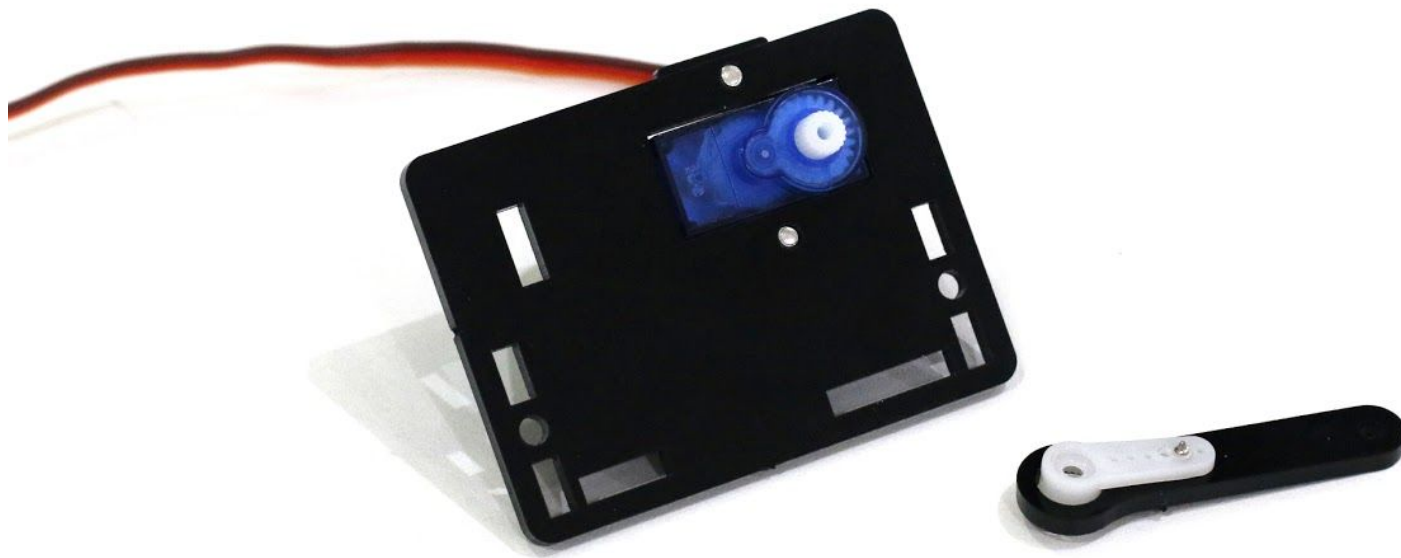


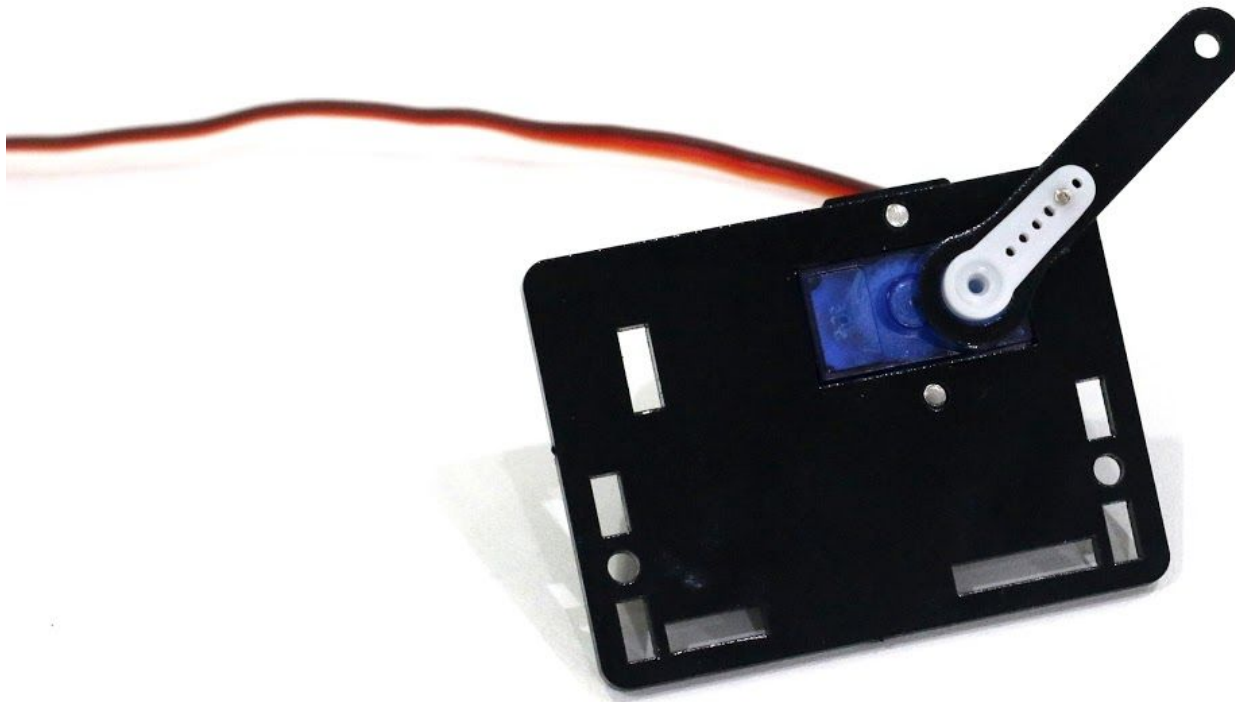






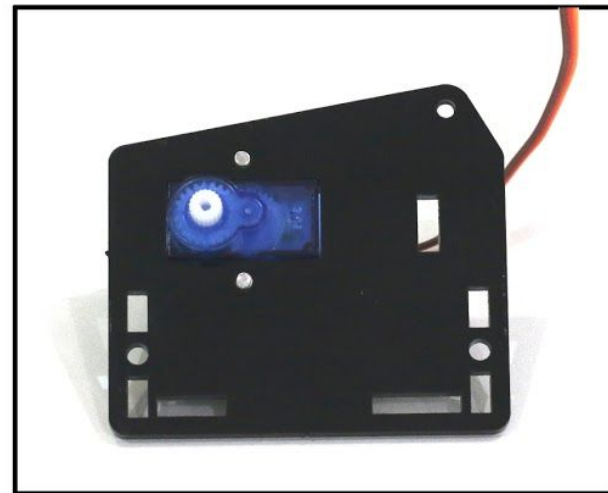
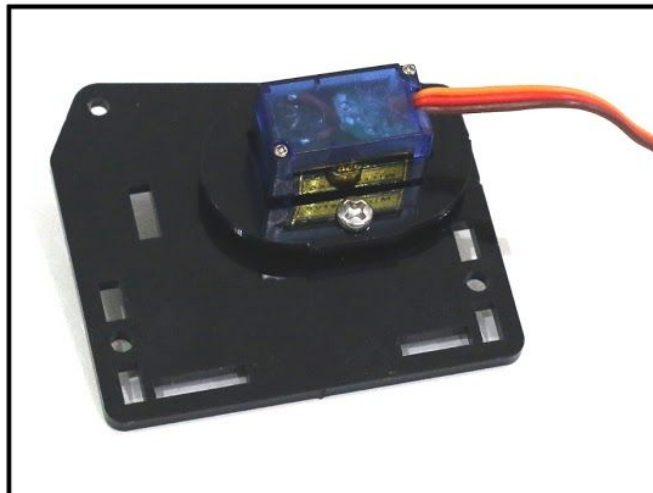
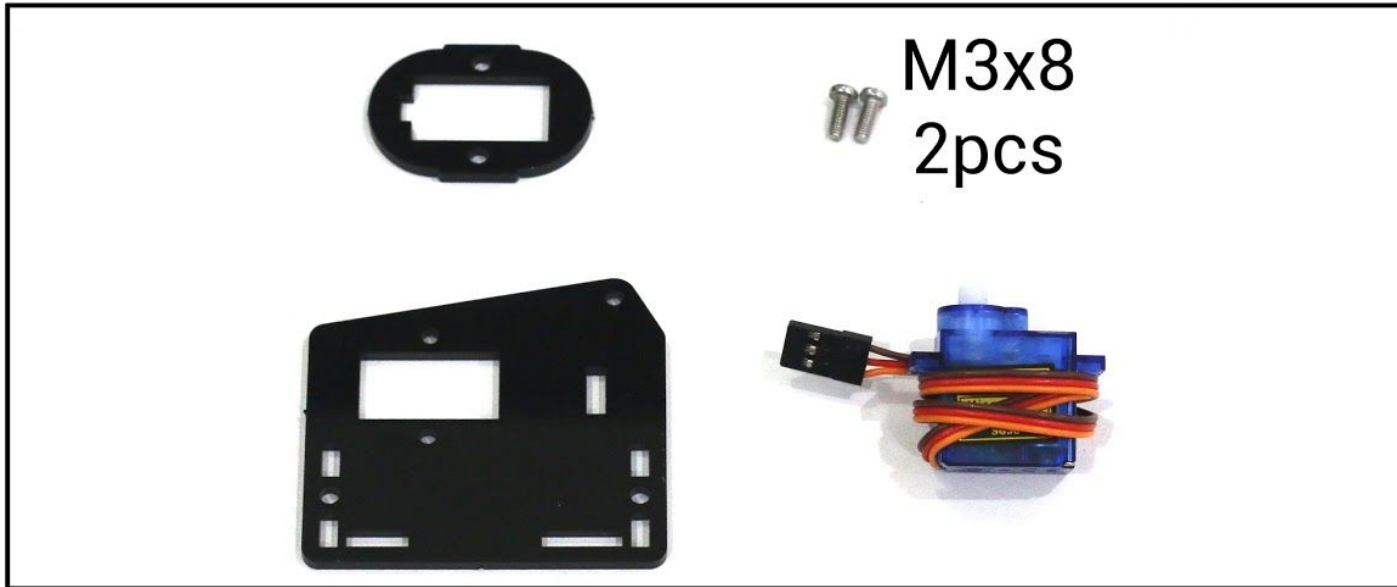


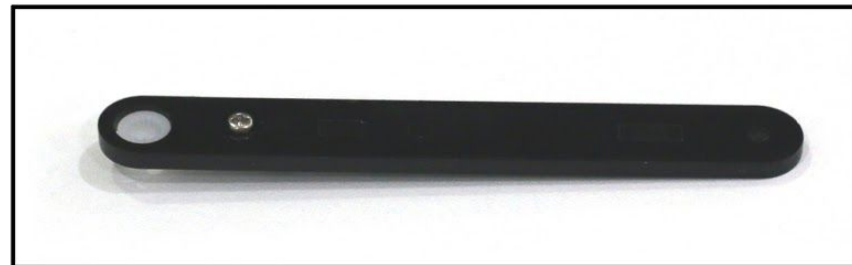
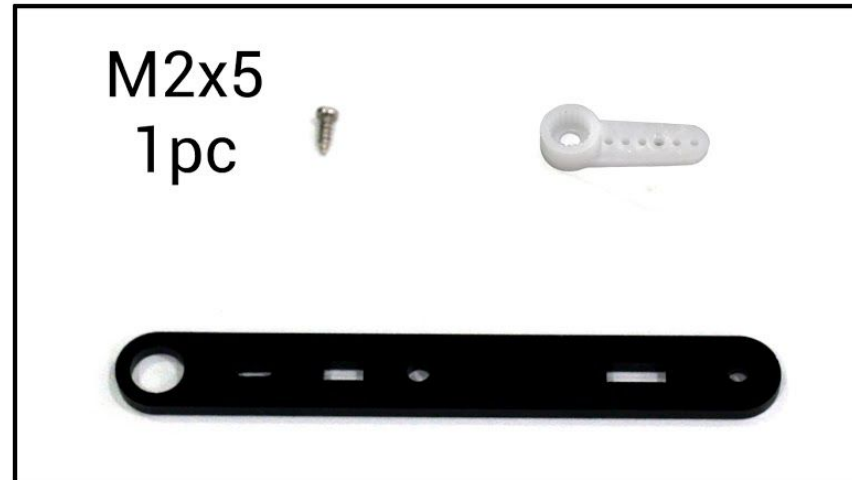


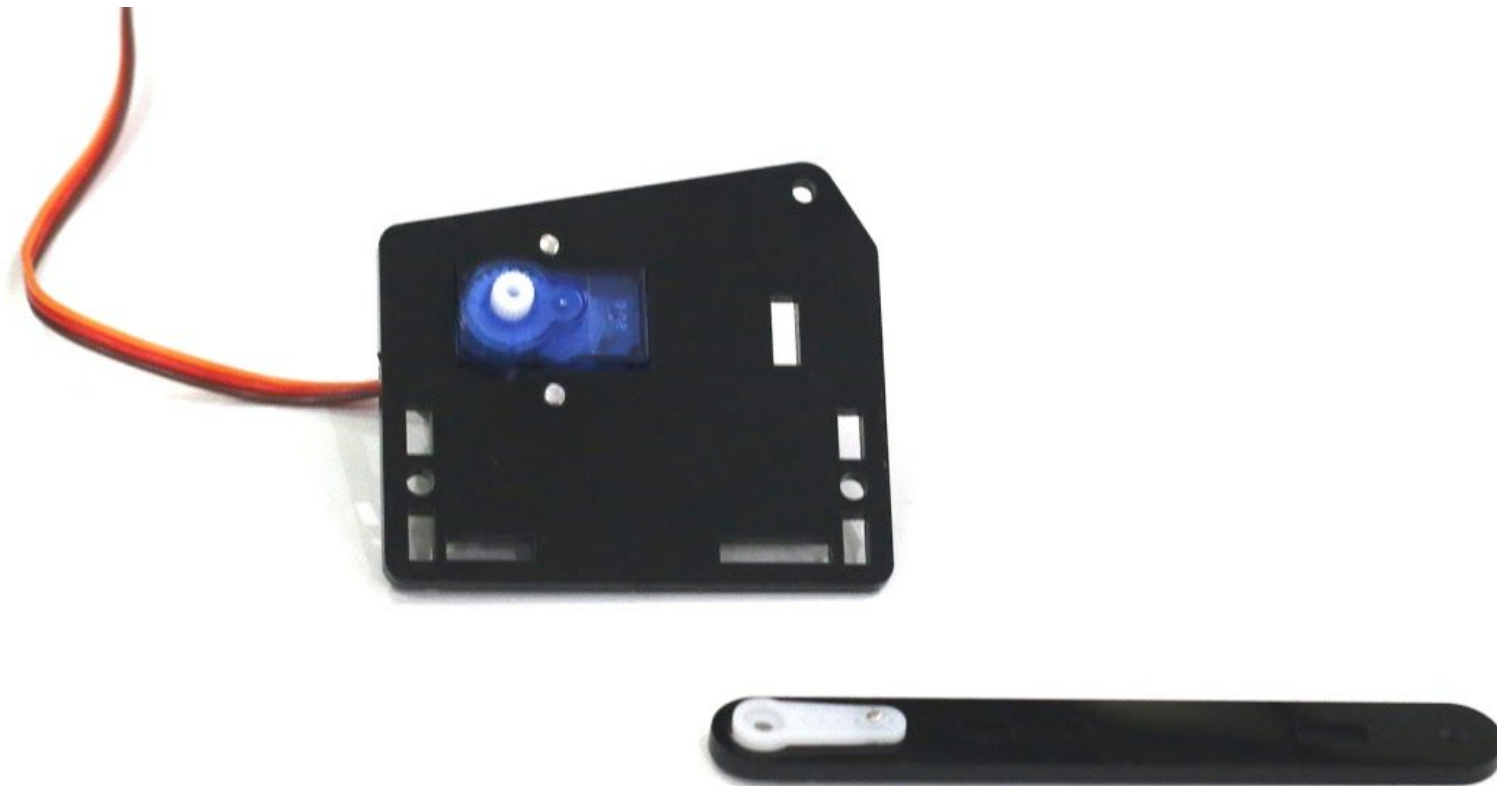




As hastes dos servos devem ser montadas de tal maneira que fiquem centralizadas. Caso o servo se movimente além do limite físico do braço robótico, o braço deve ser desmontado e ajustado de acordo. usar um testador de servos ou um programa Arduino para centralizar os servos.

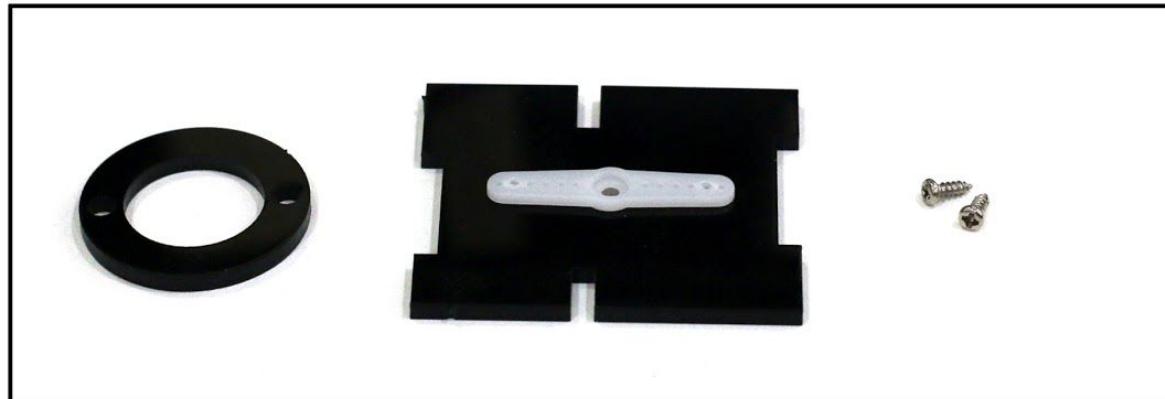
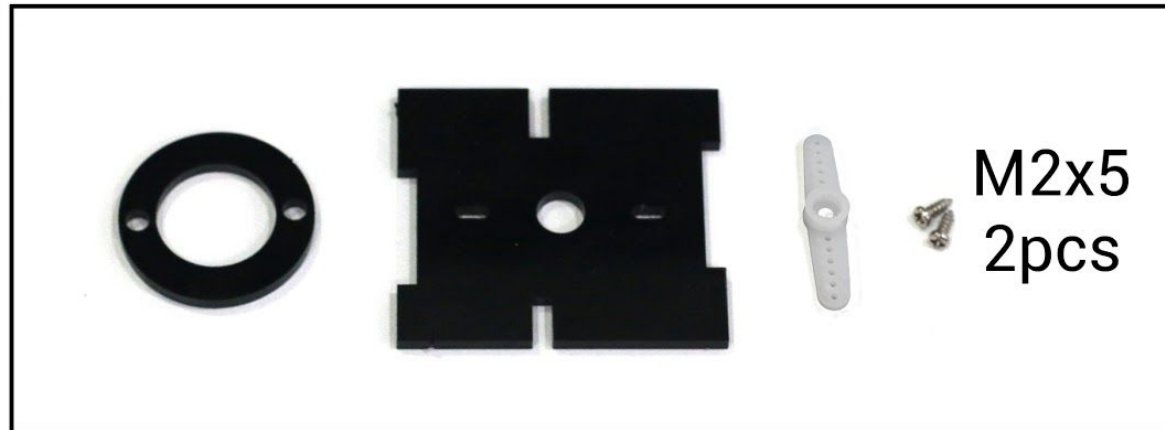


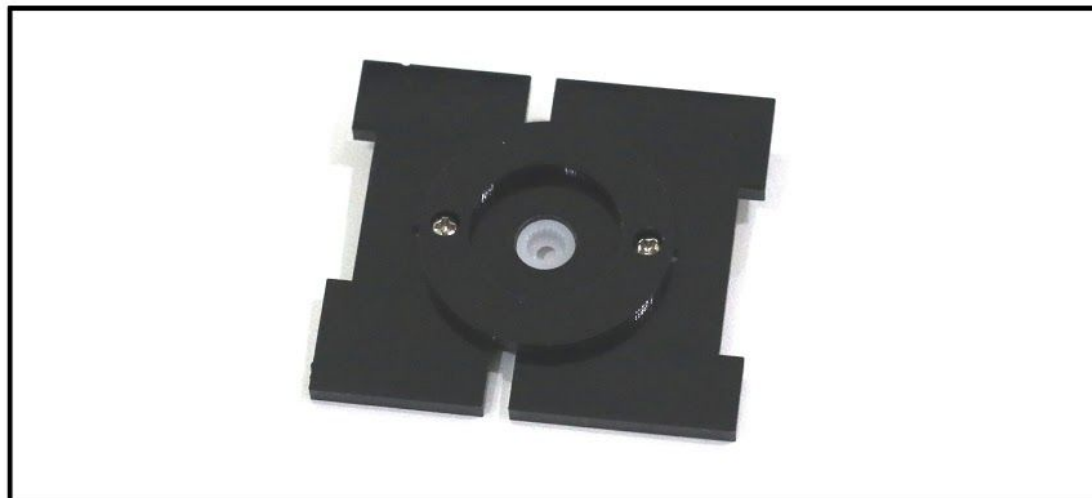
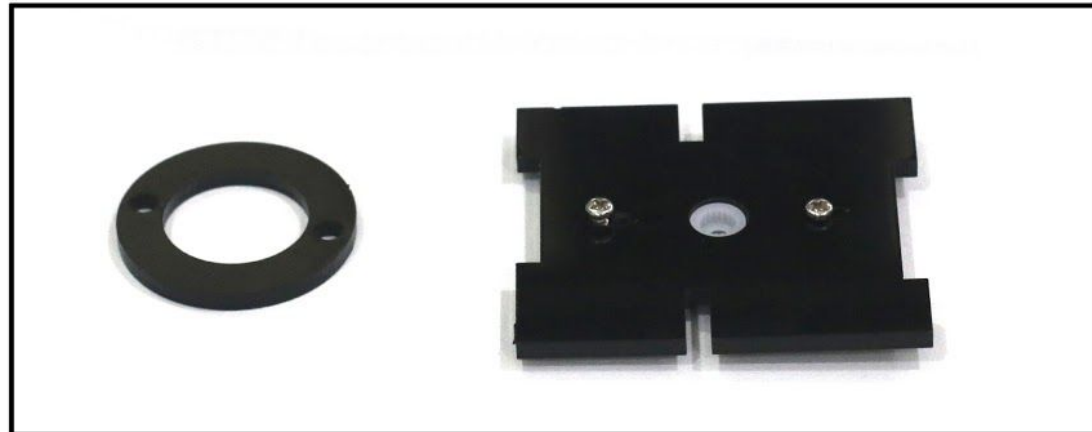


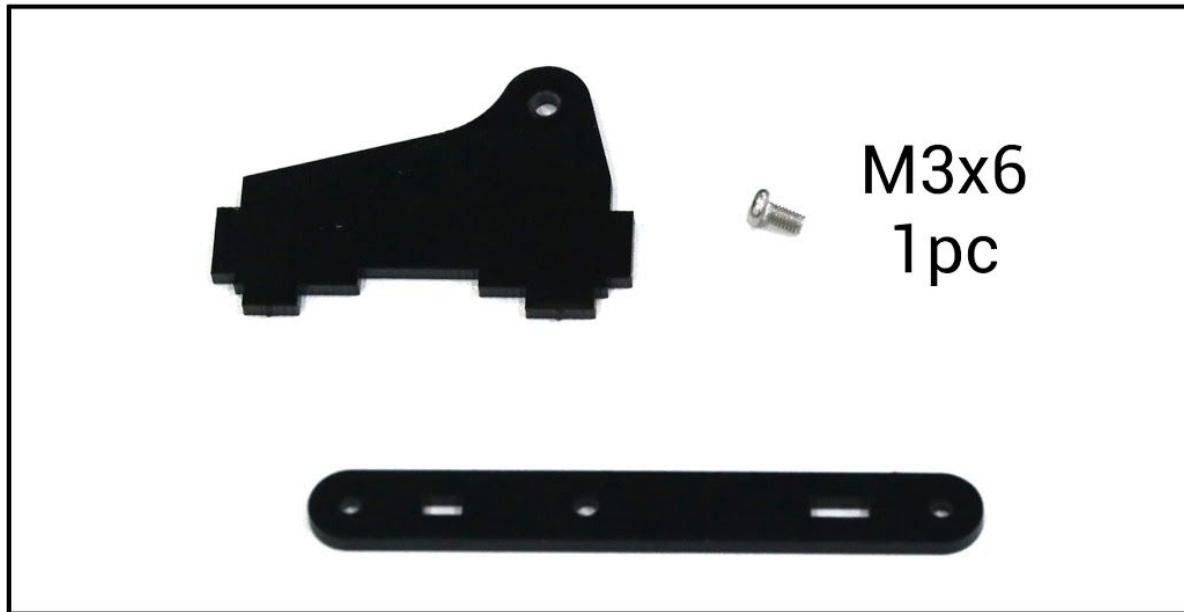


As hastes dos servos devem ser montadas de tal maneira que fiquem centralizadas. Caso o servo se movimente além do limite físico do braço robótico, o braço deve ser desmontado e ajustado de acordo. usar um testador de servos ou um programa Arduino para centralizar os servos.

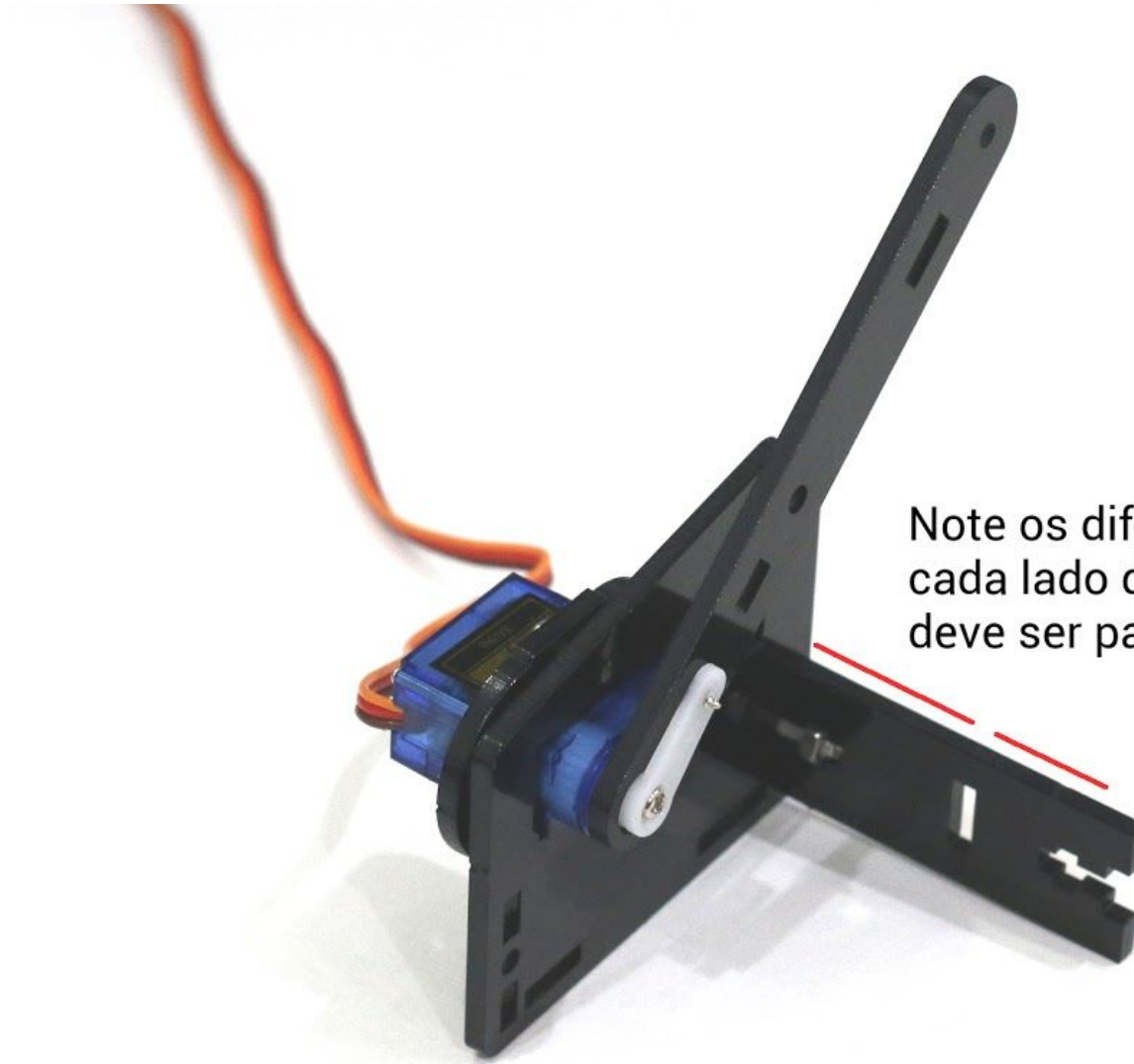




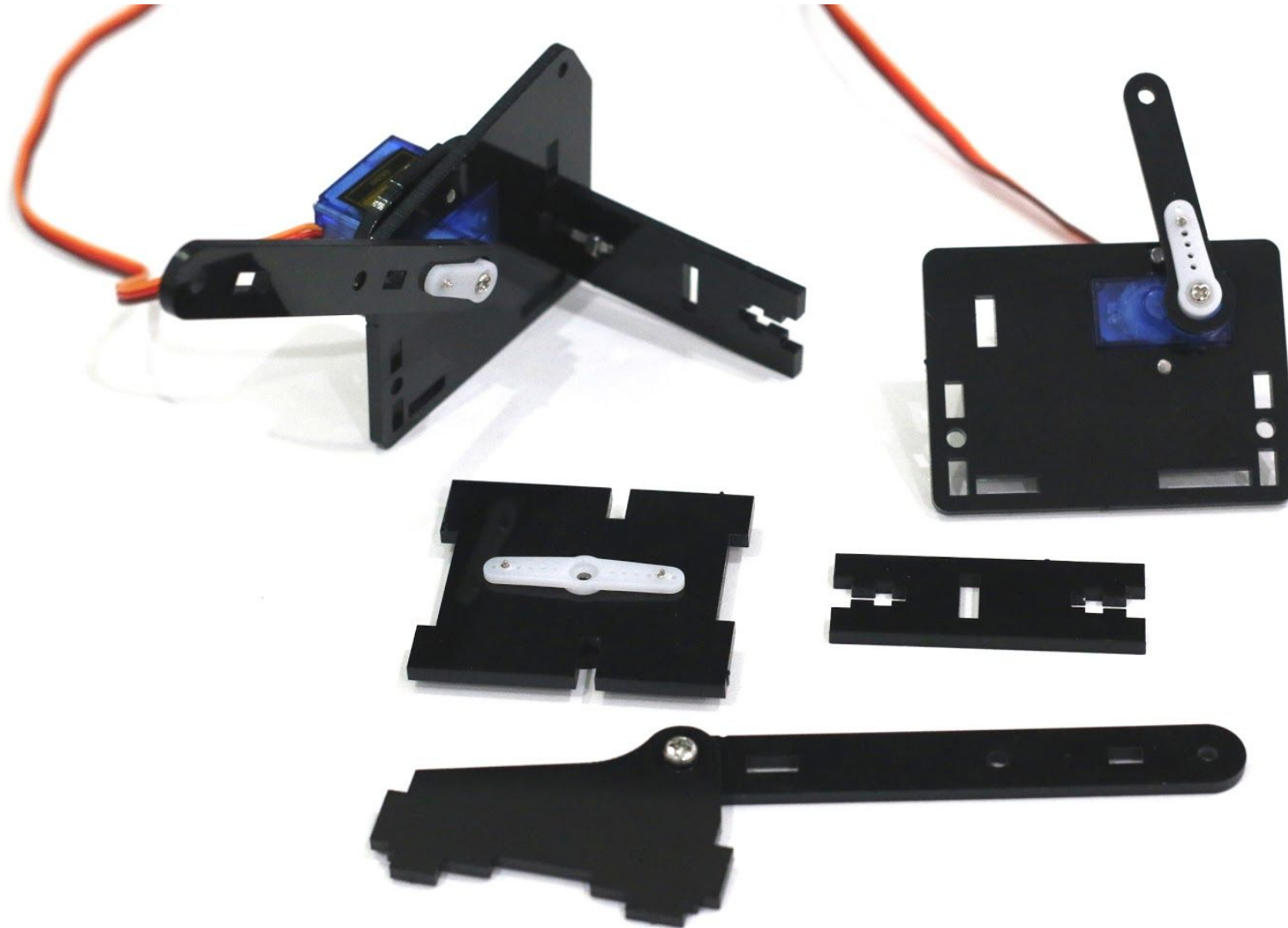


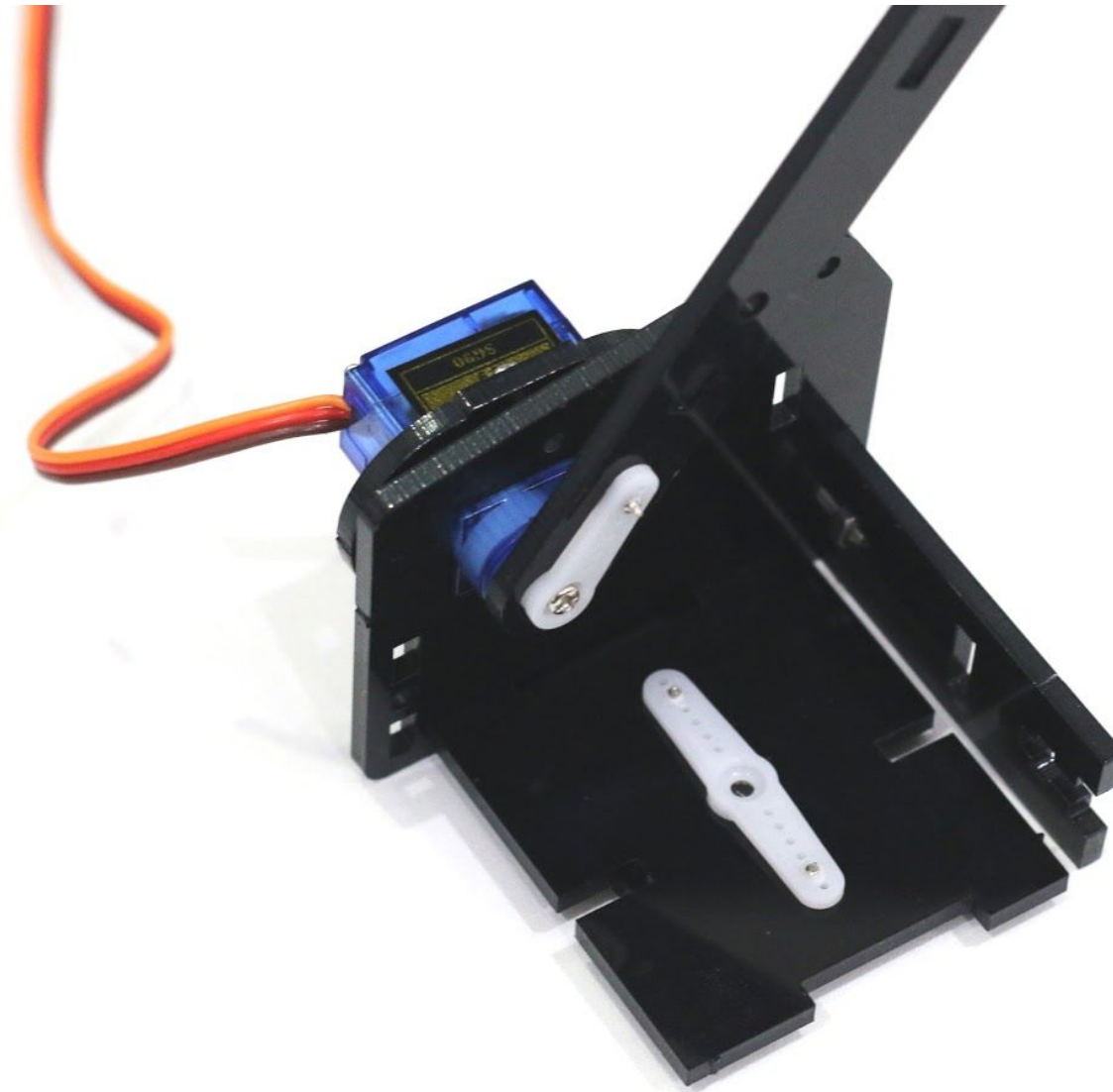


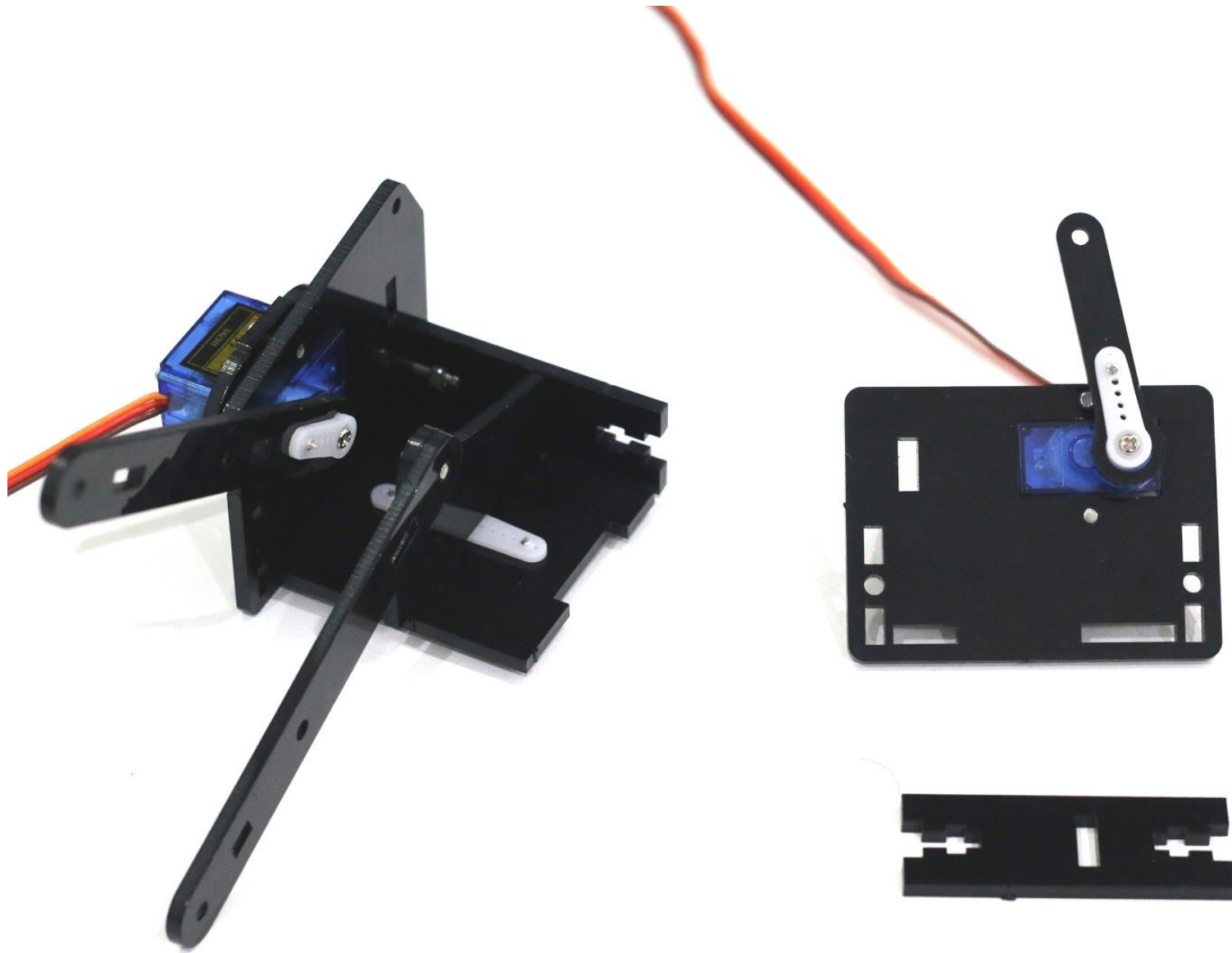


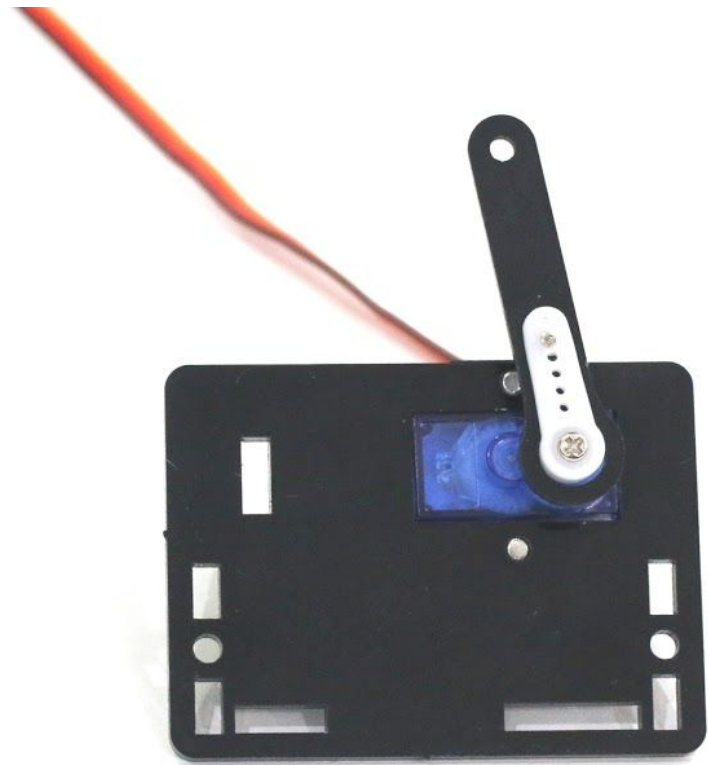
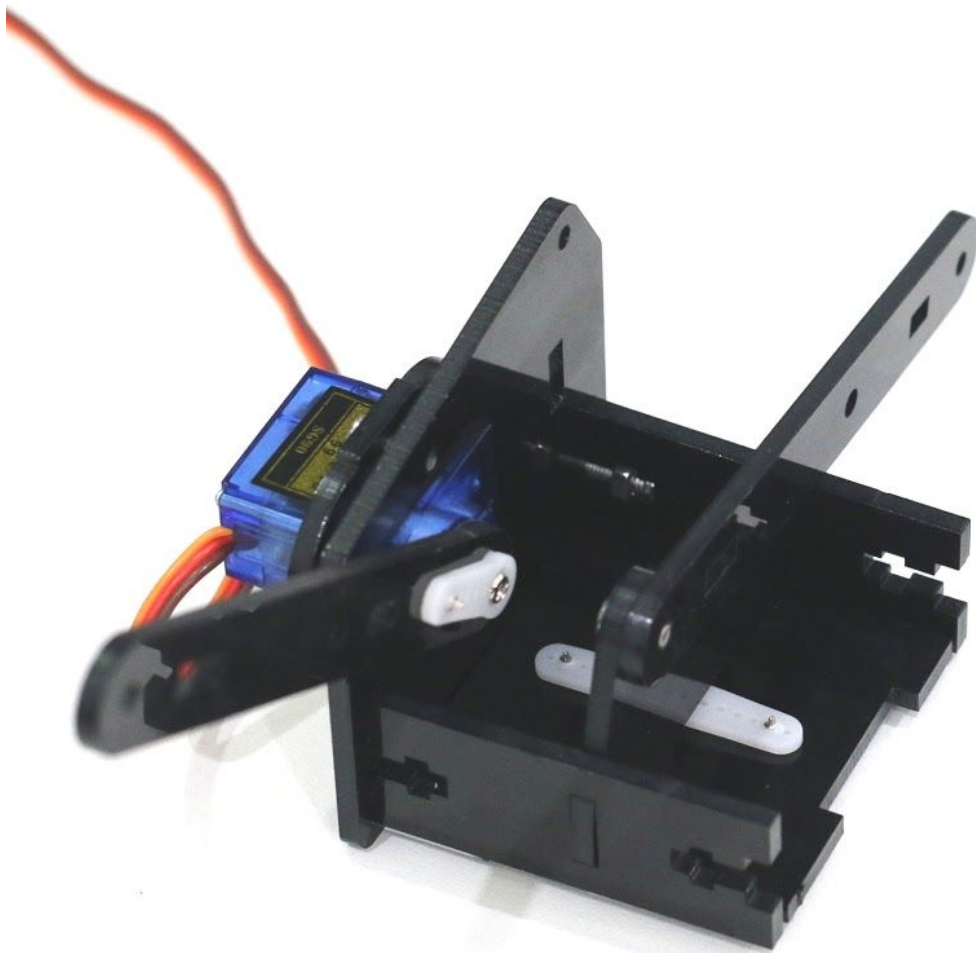


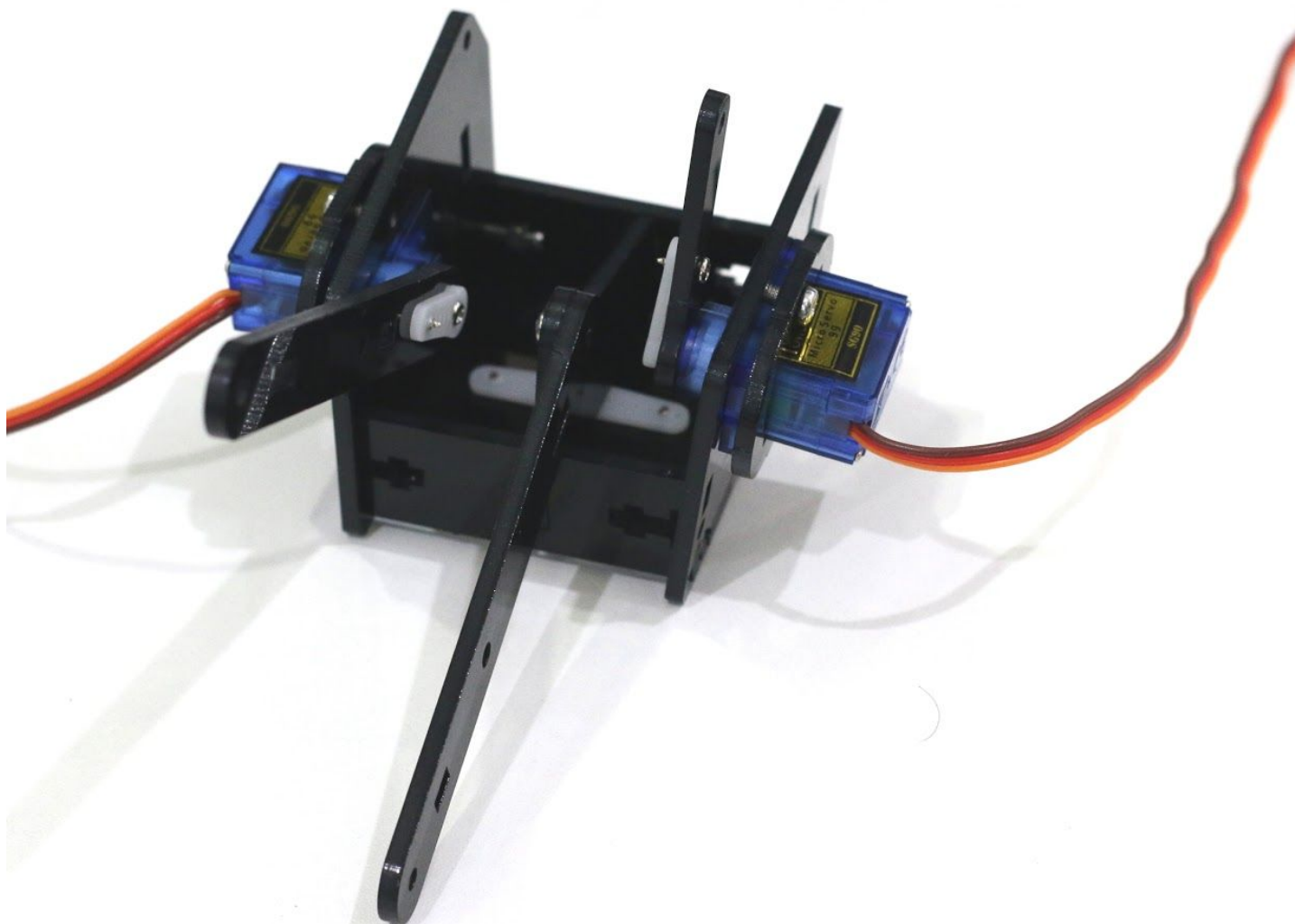
Note os diferentes tamanhos de cada lado da peça. O lado maior deve ser parafusado primeiro.

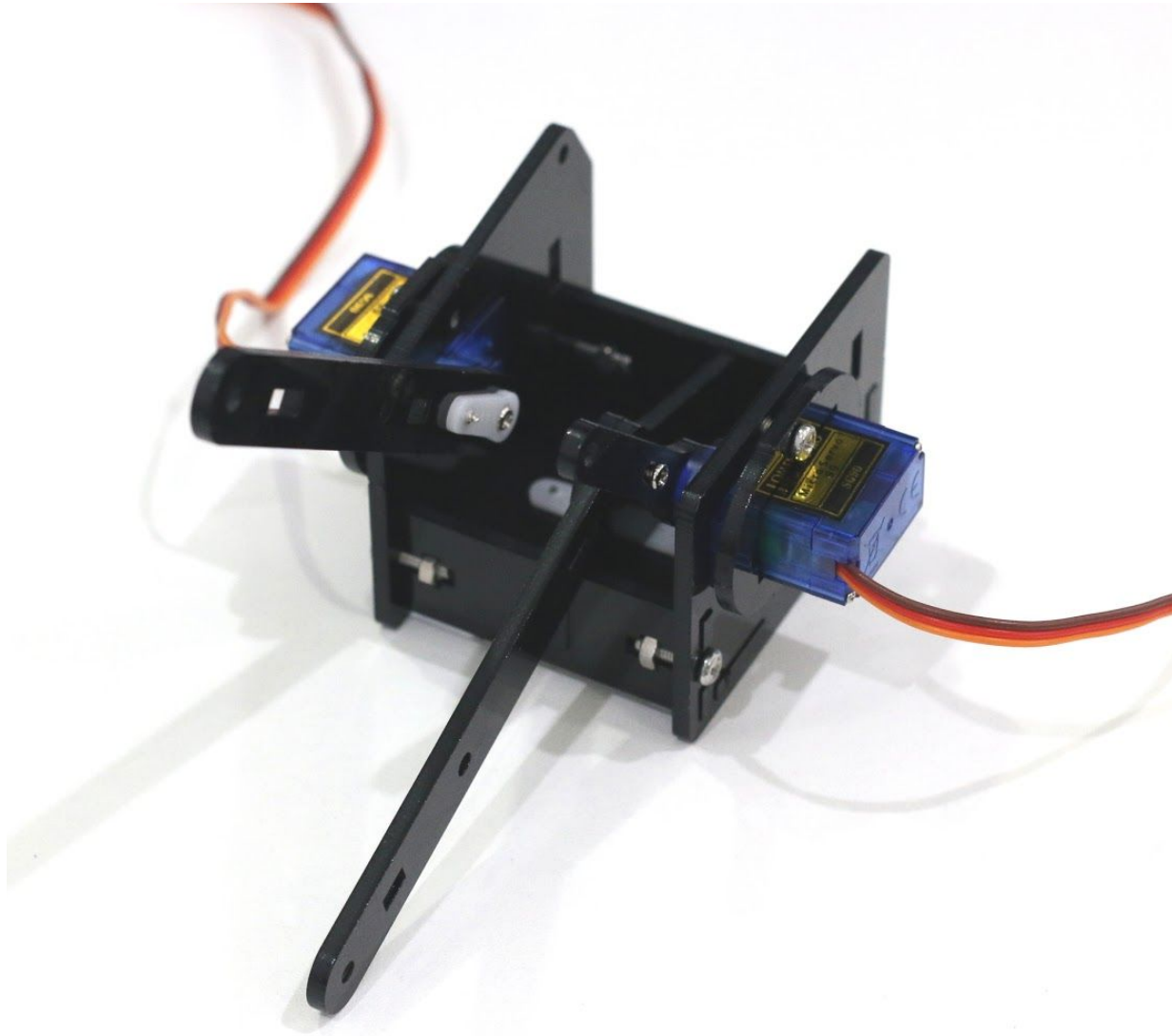


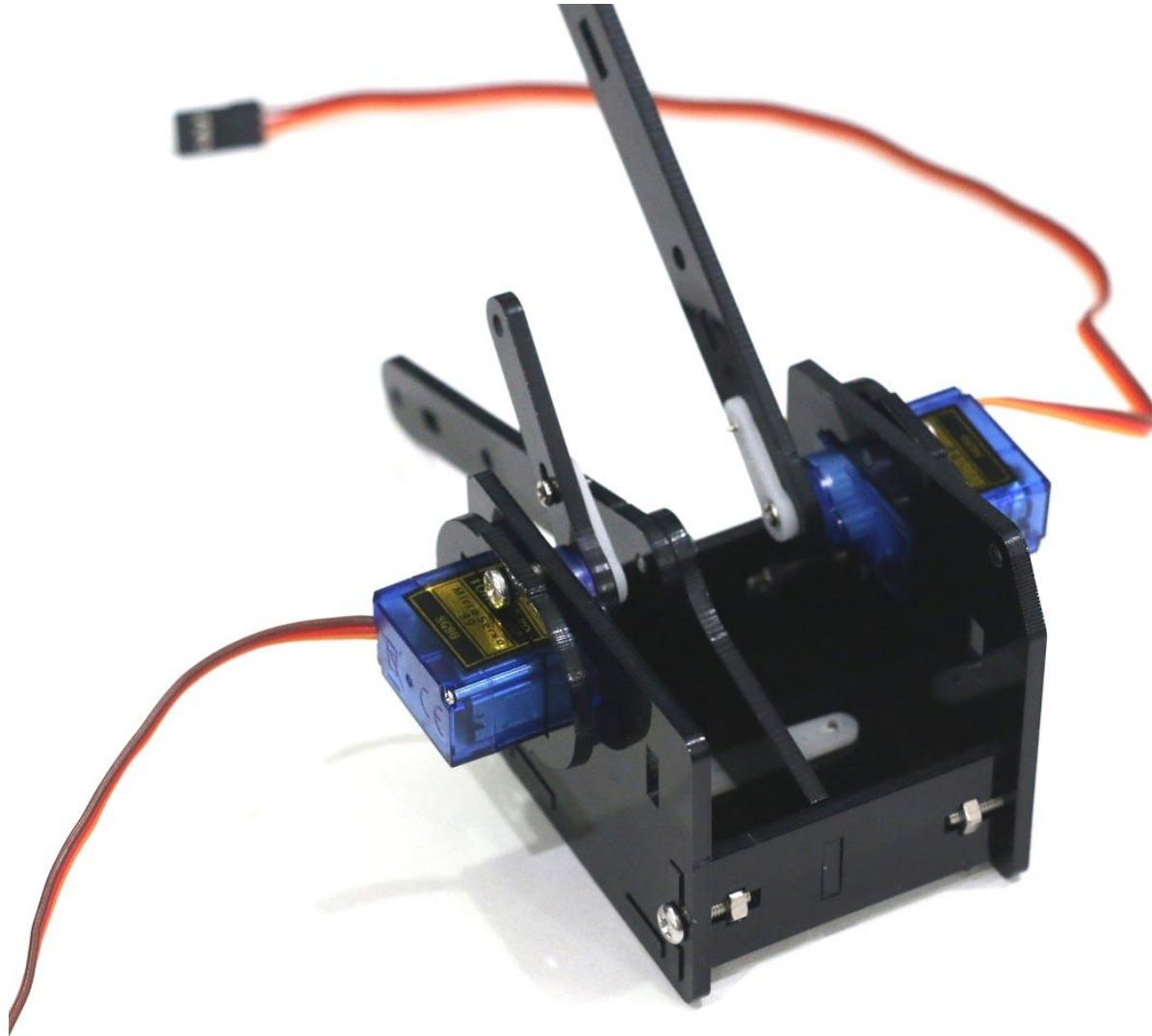


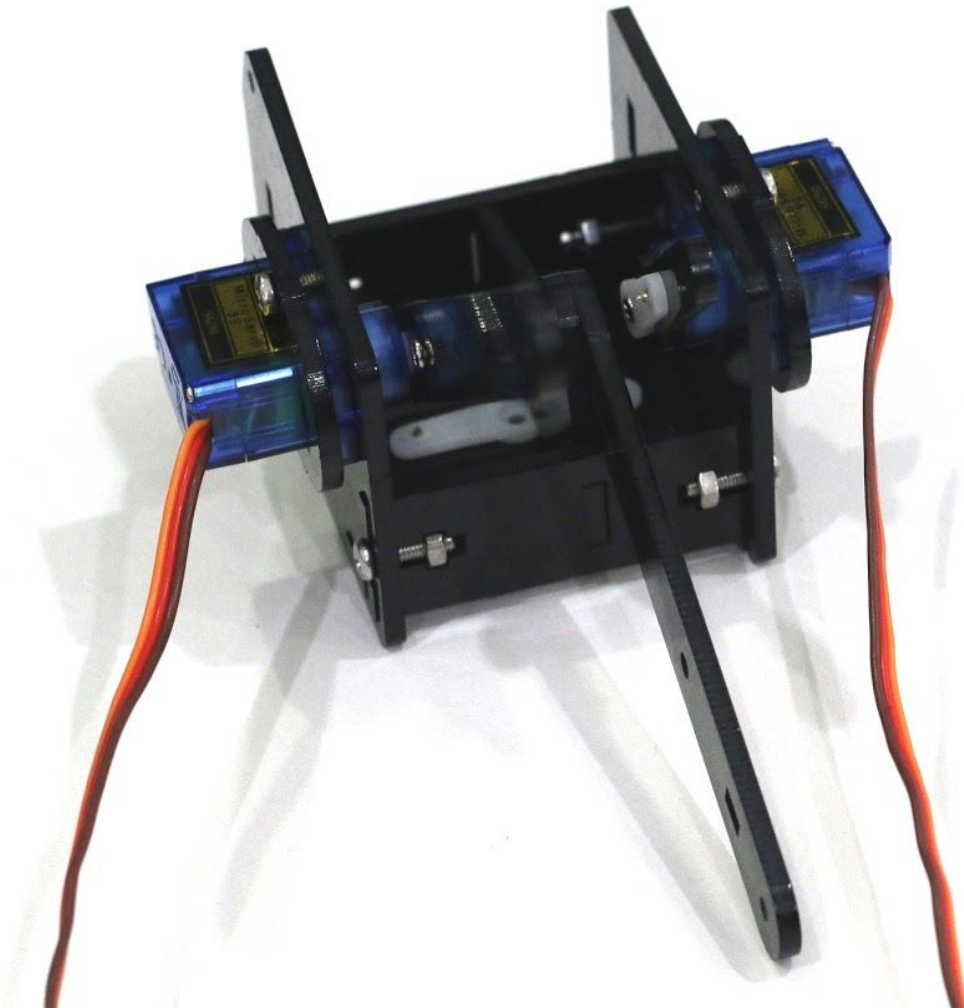






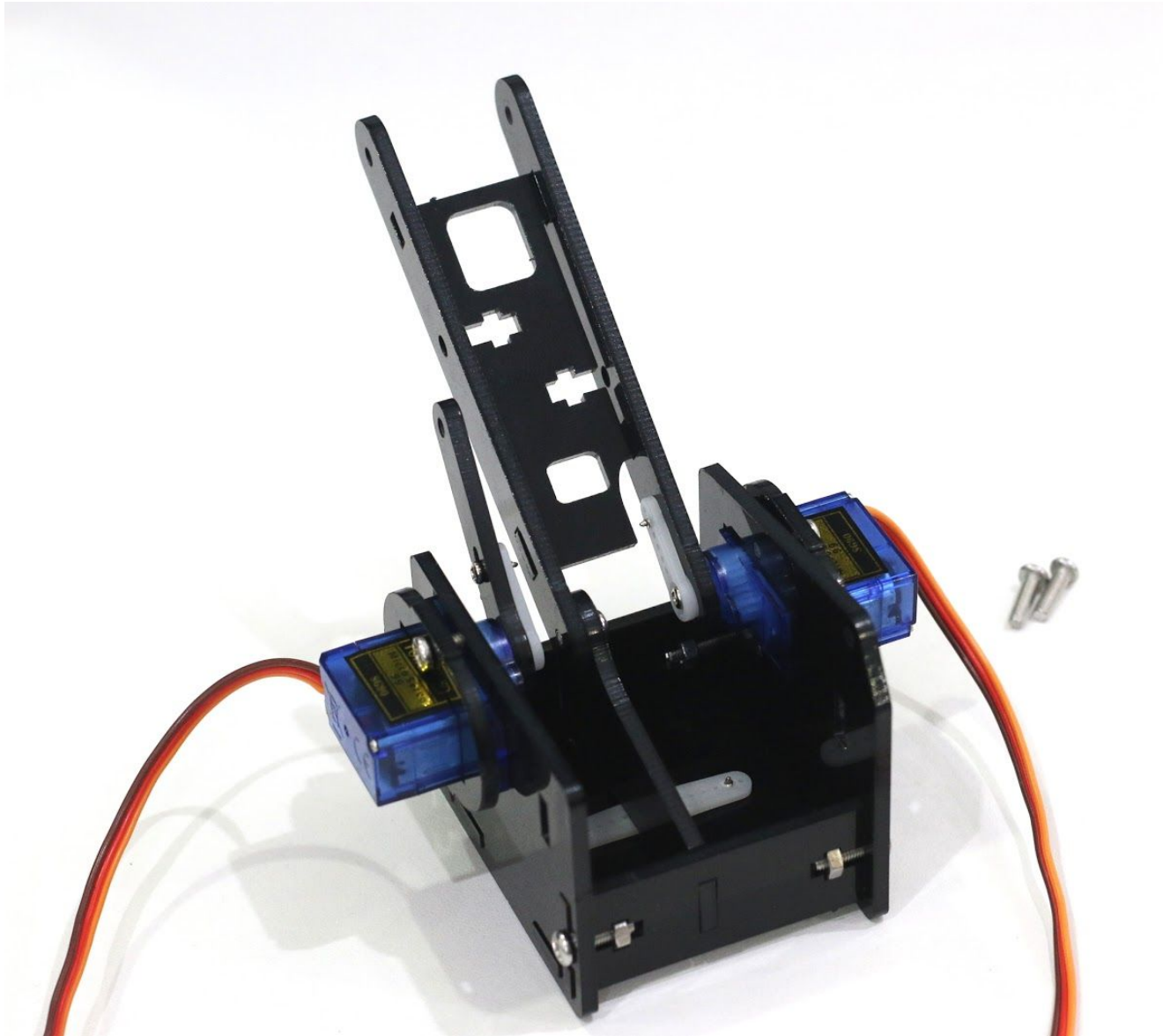


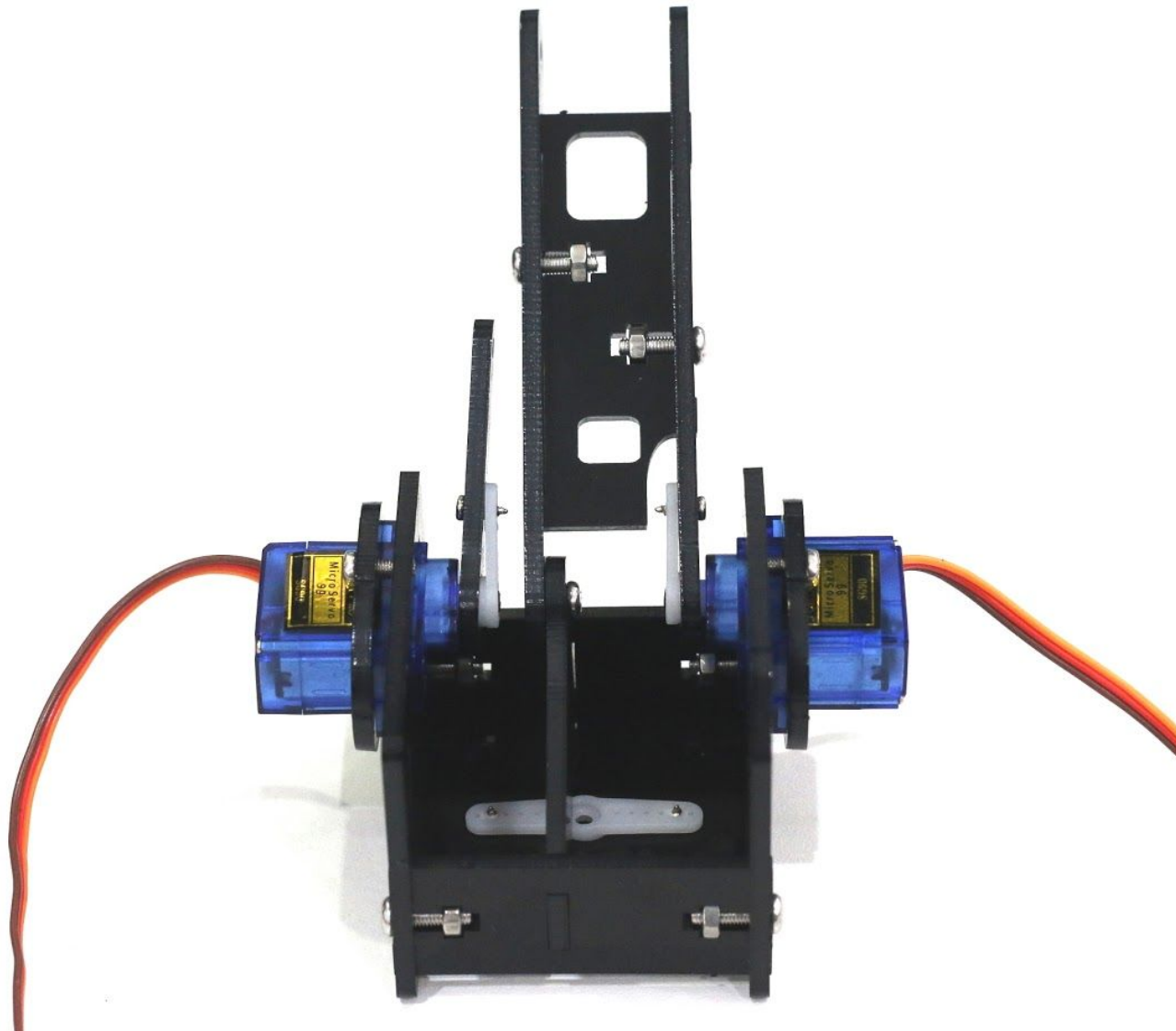


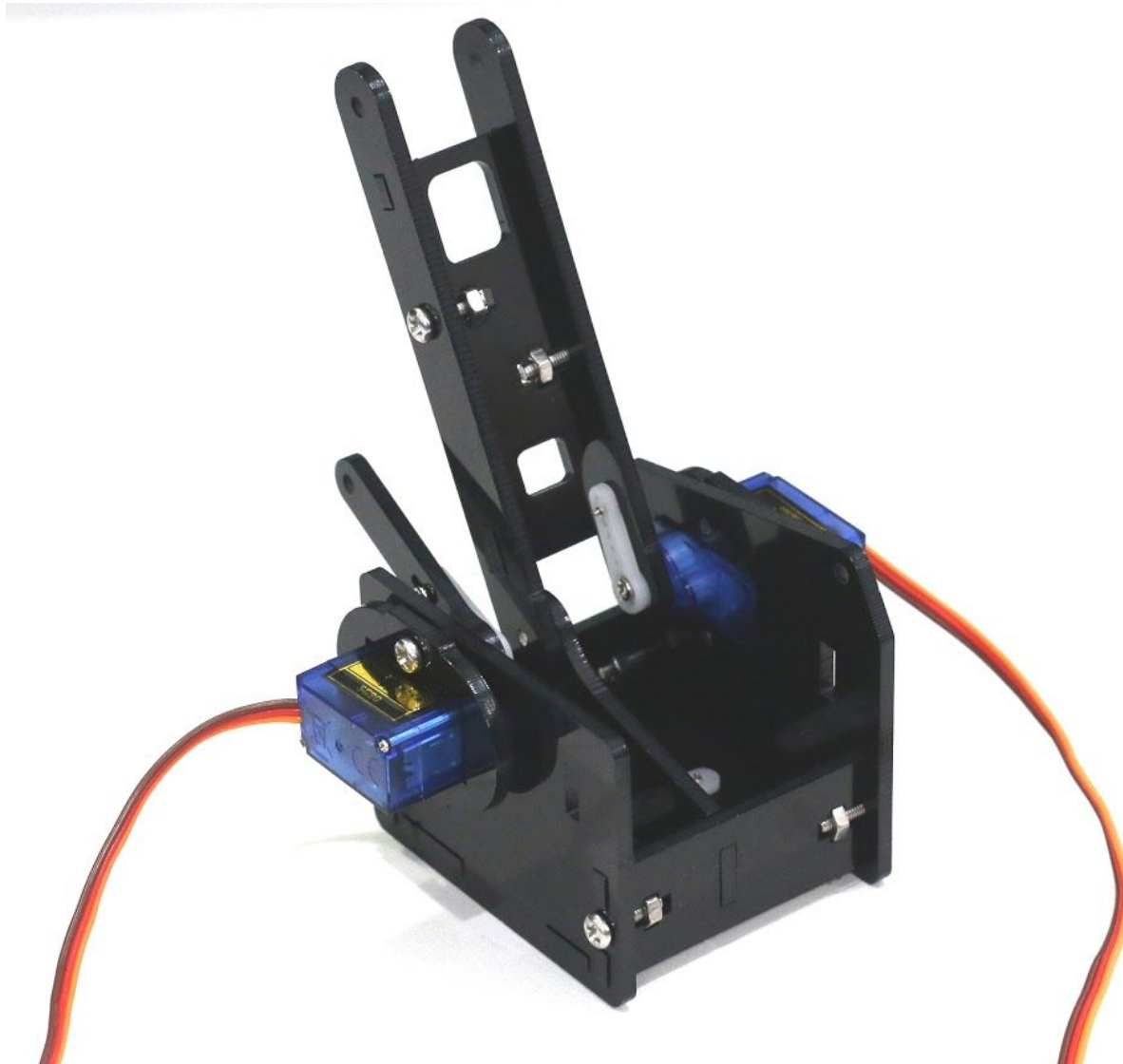


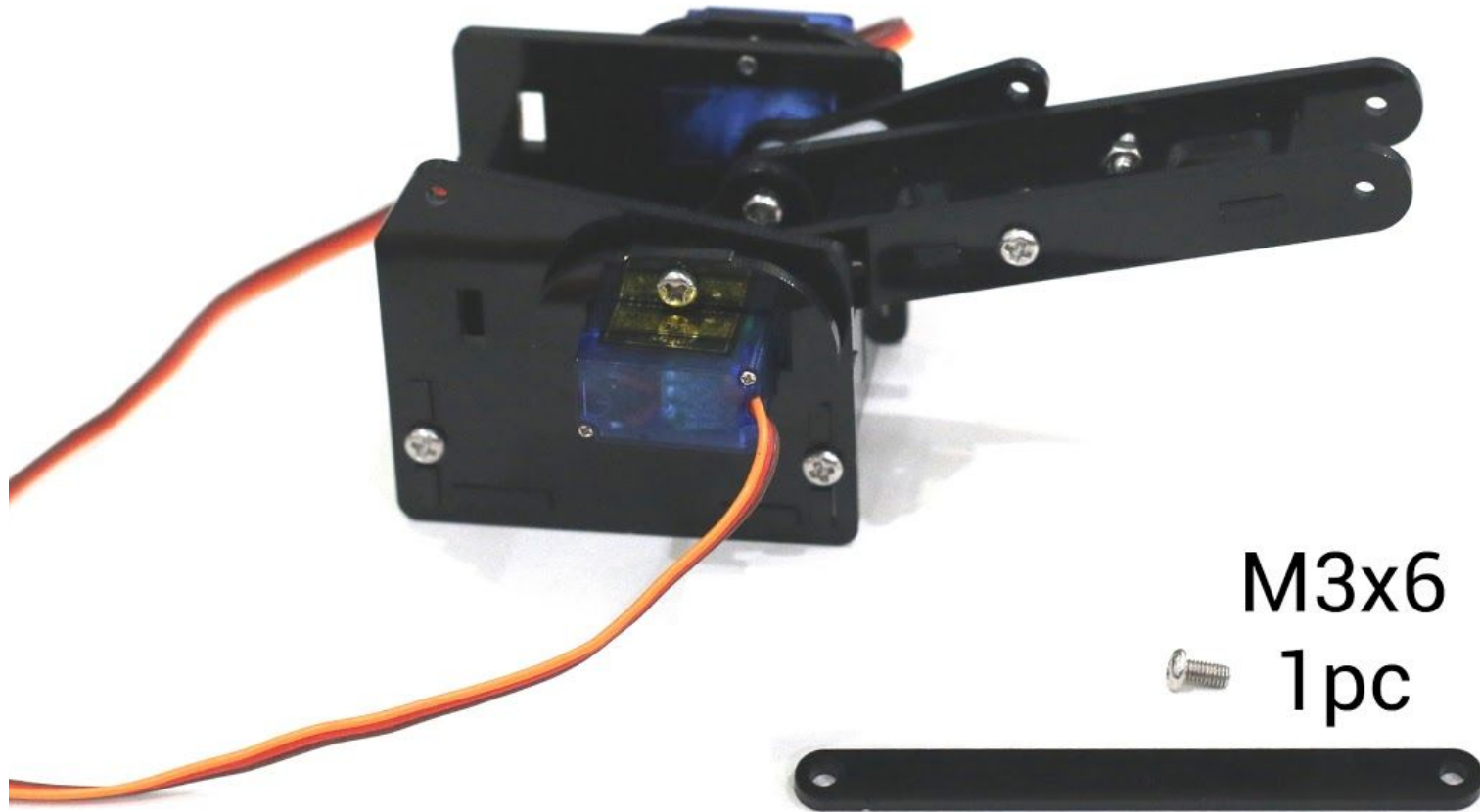
Porca M3 M3x10
2pcs 2pcs

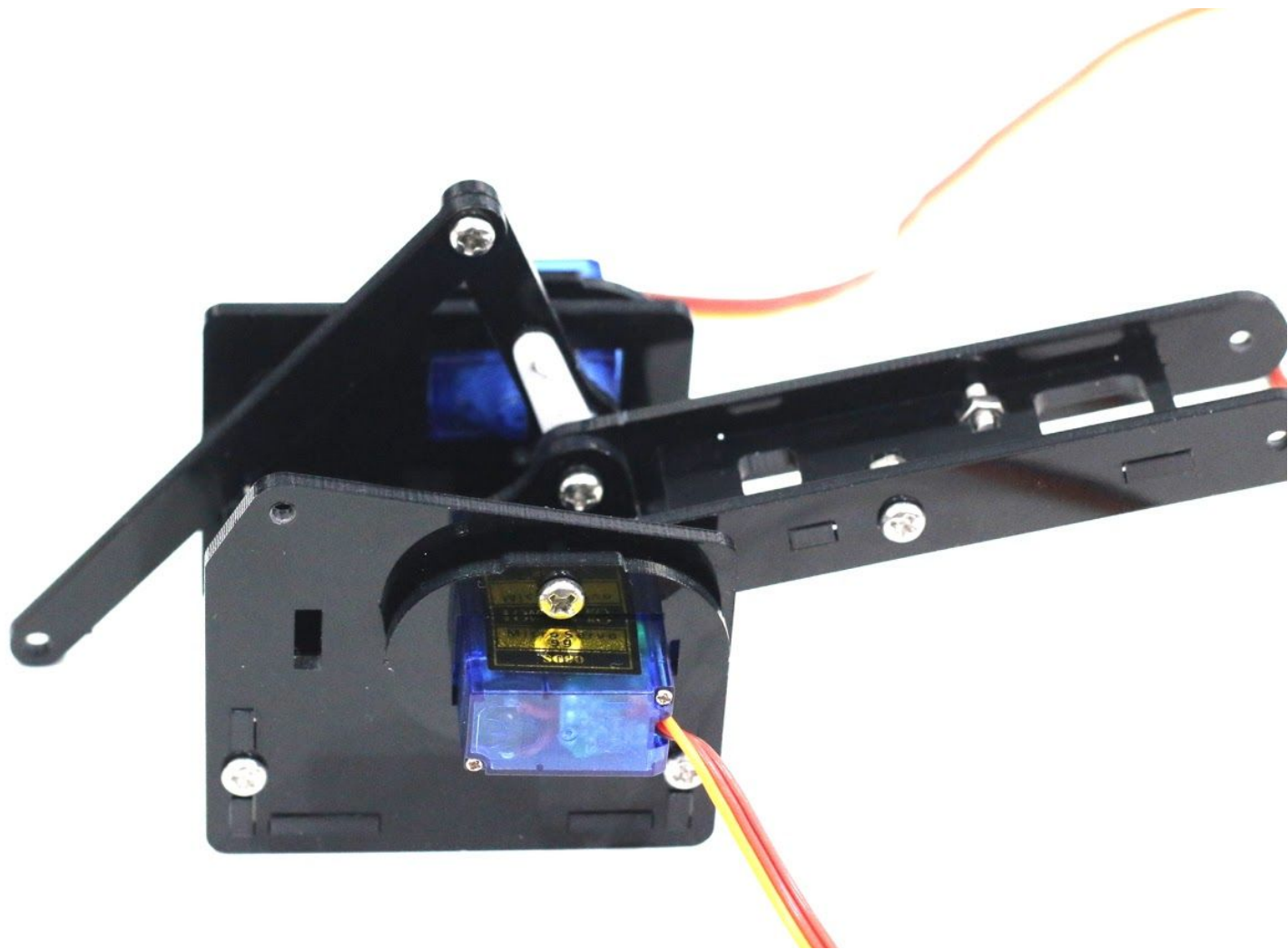


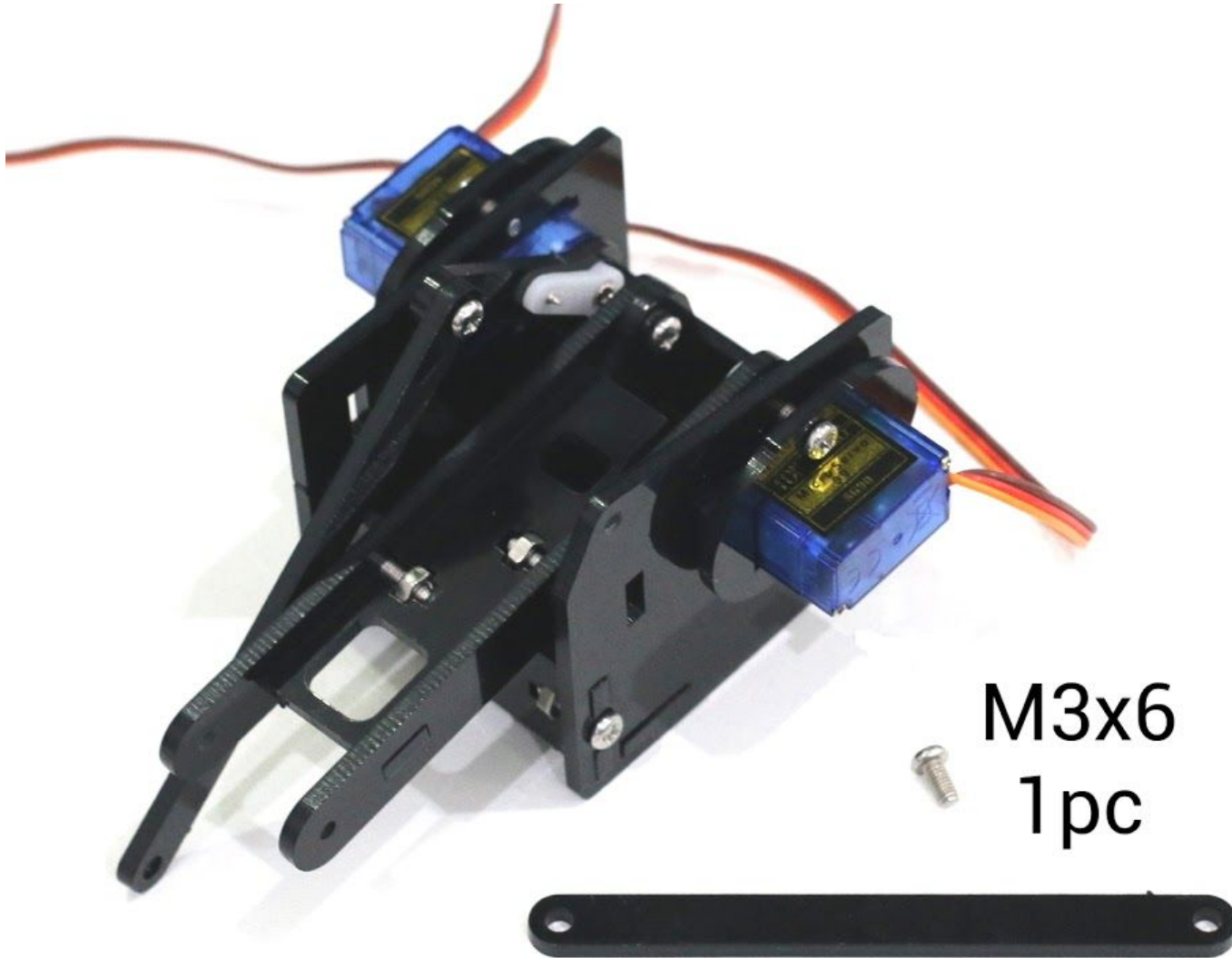


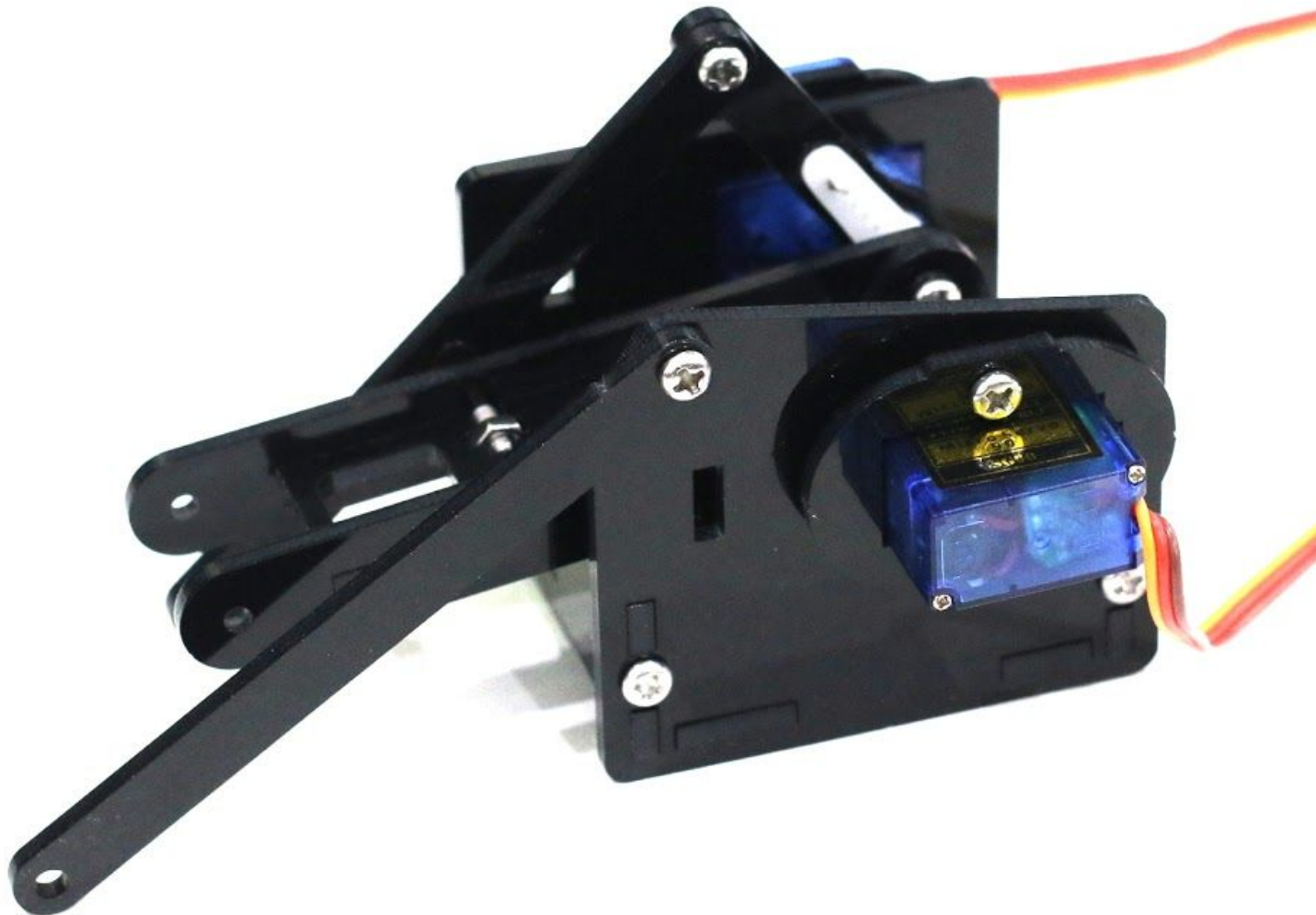


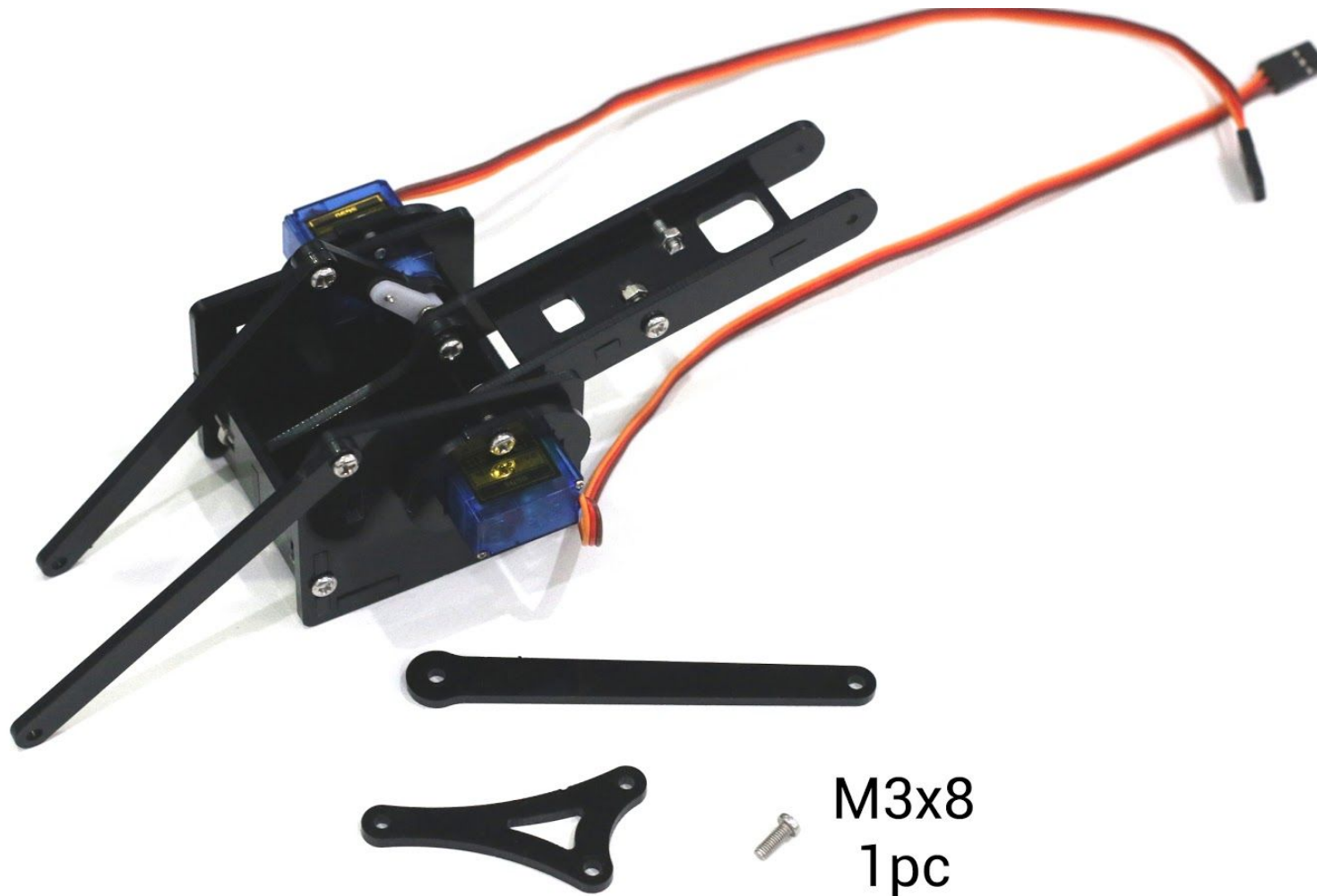


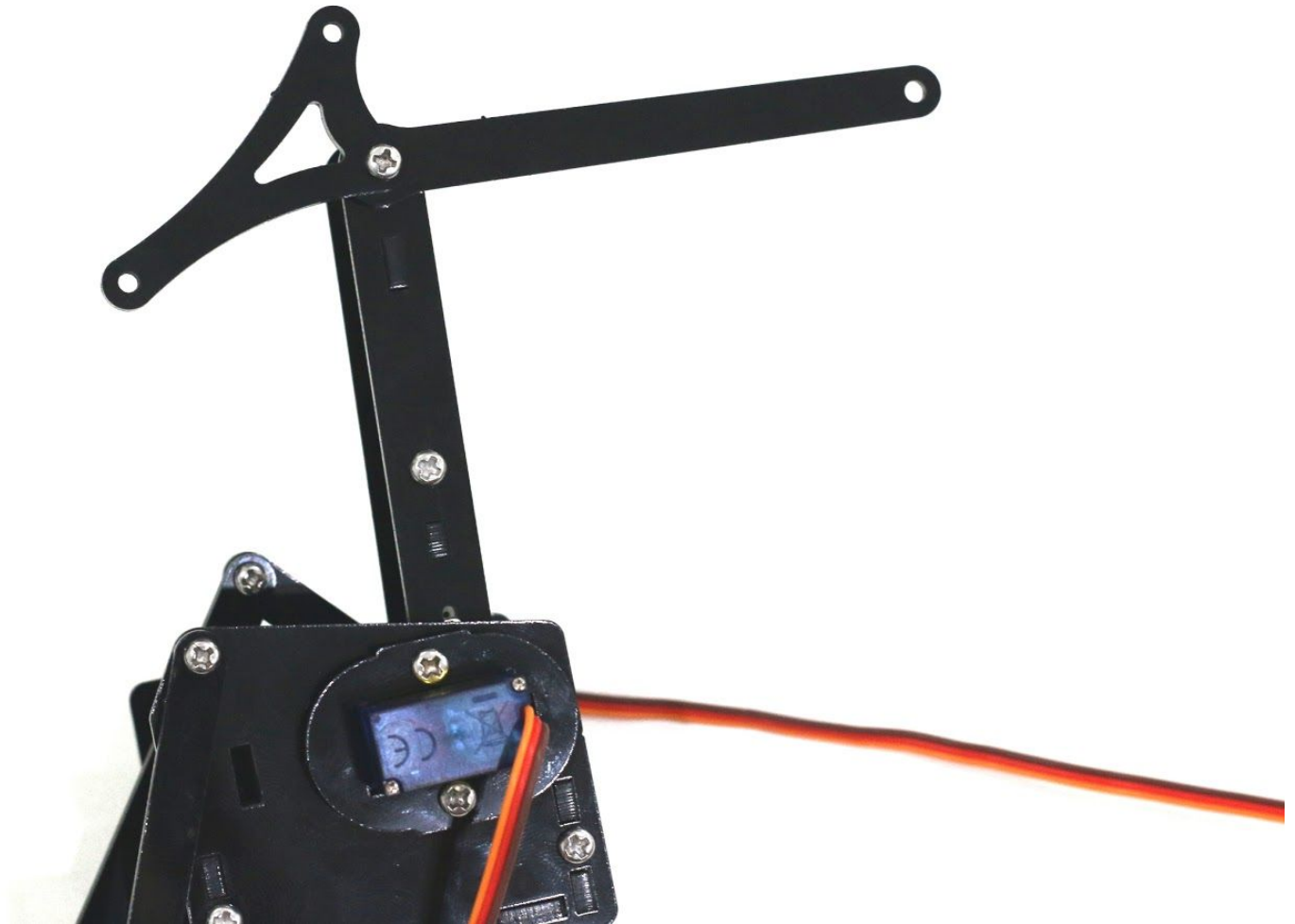




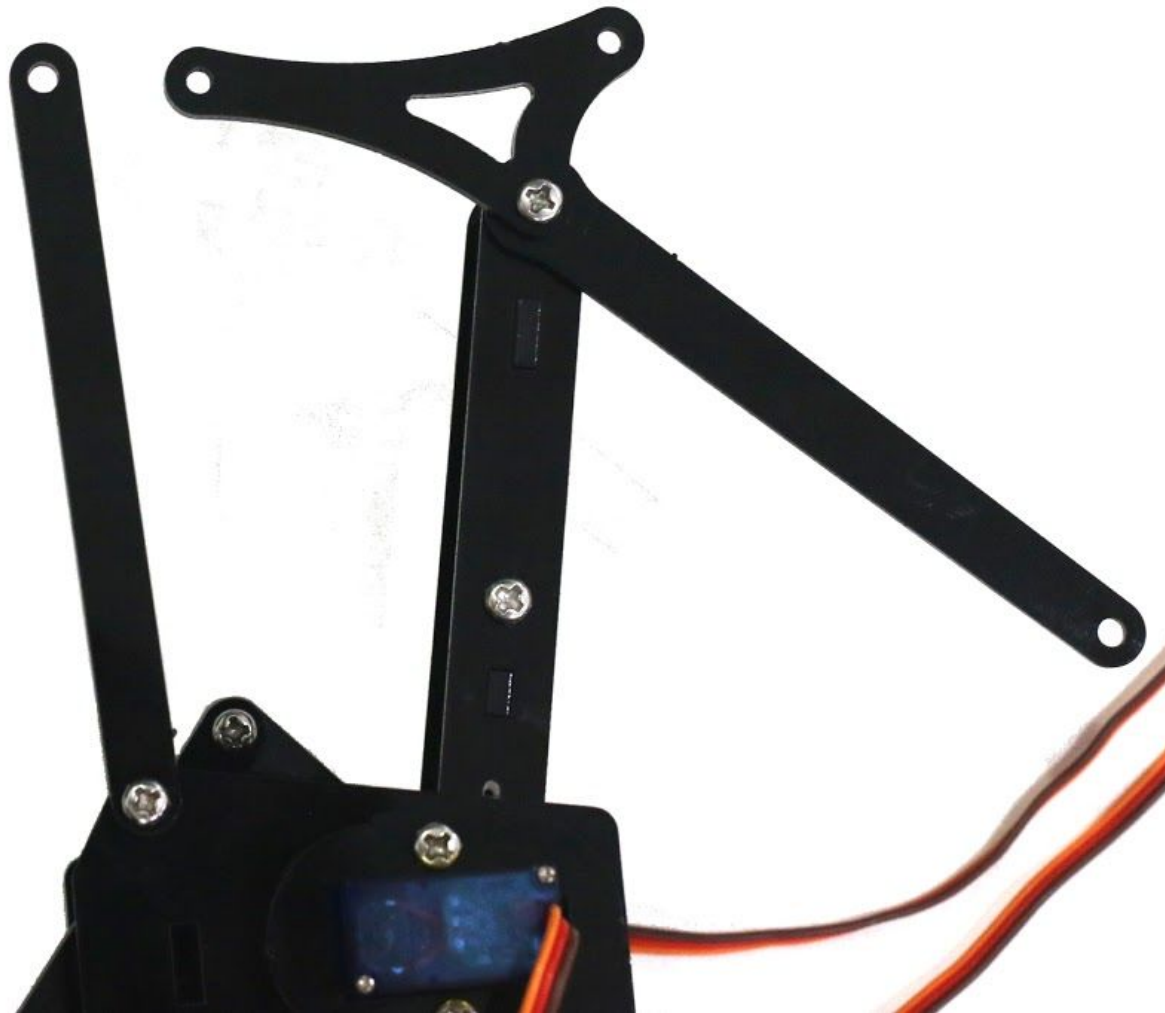


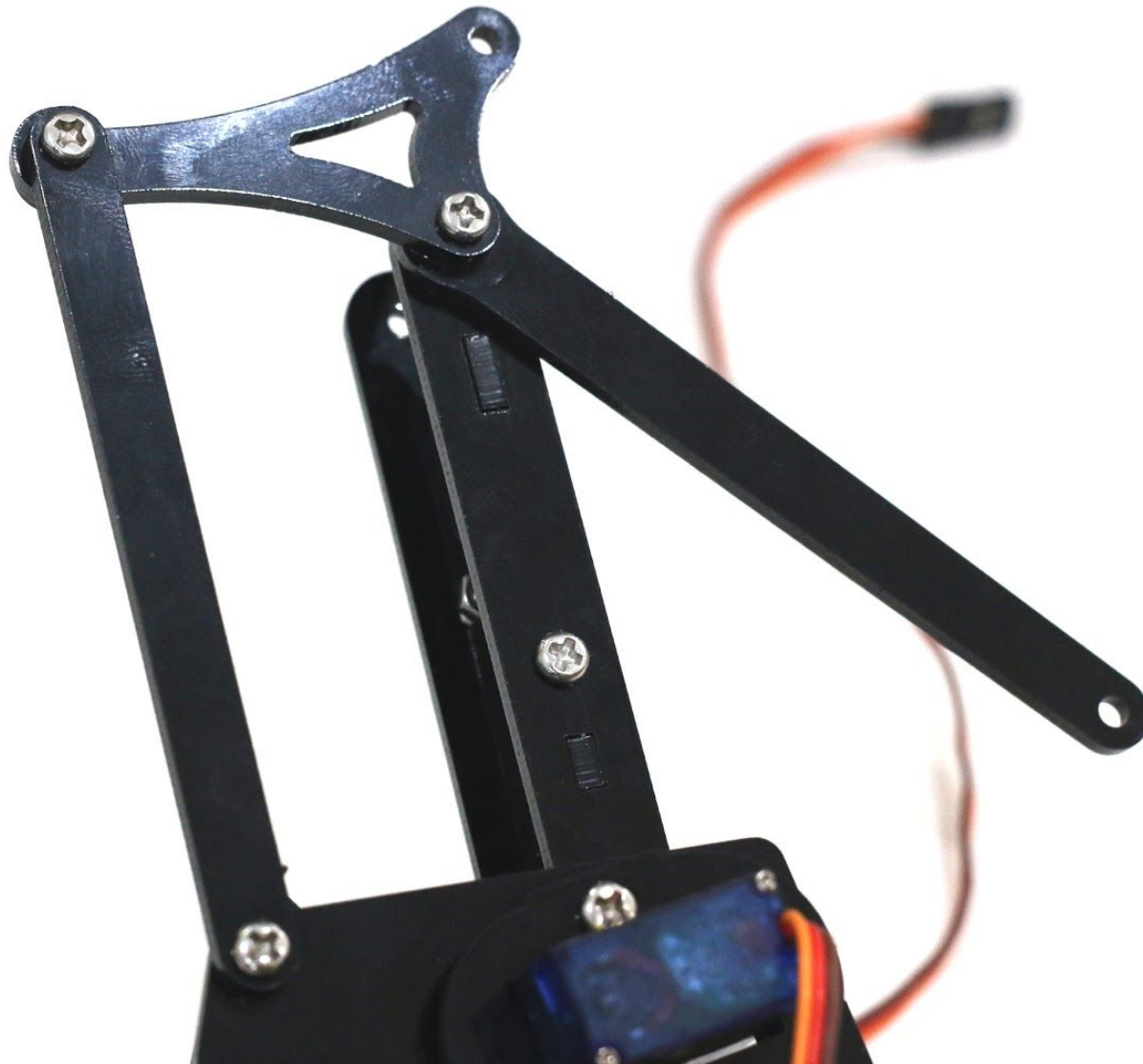


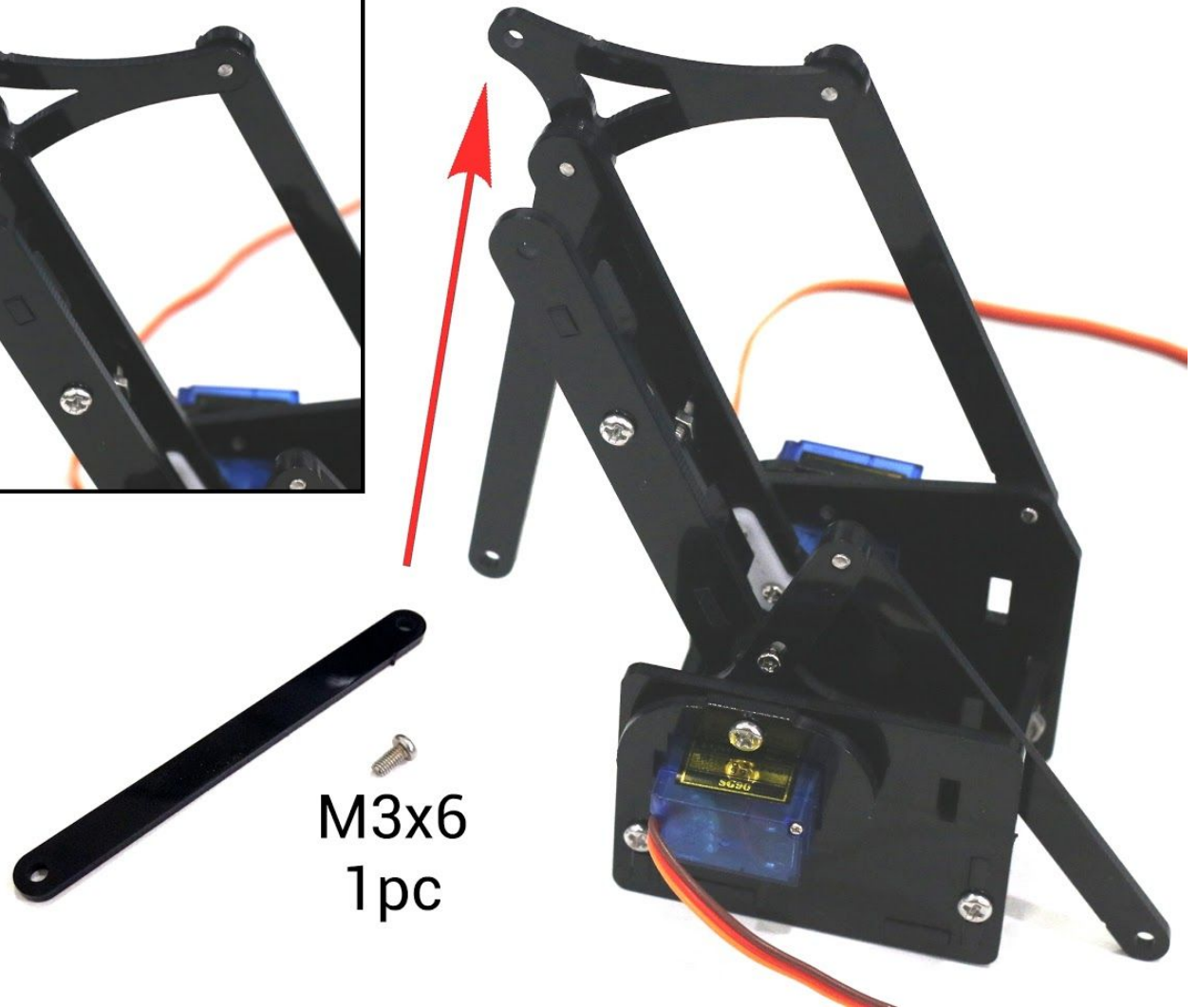


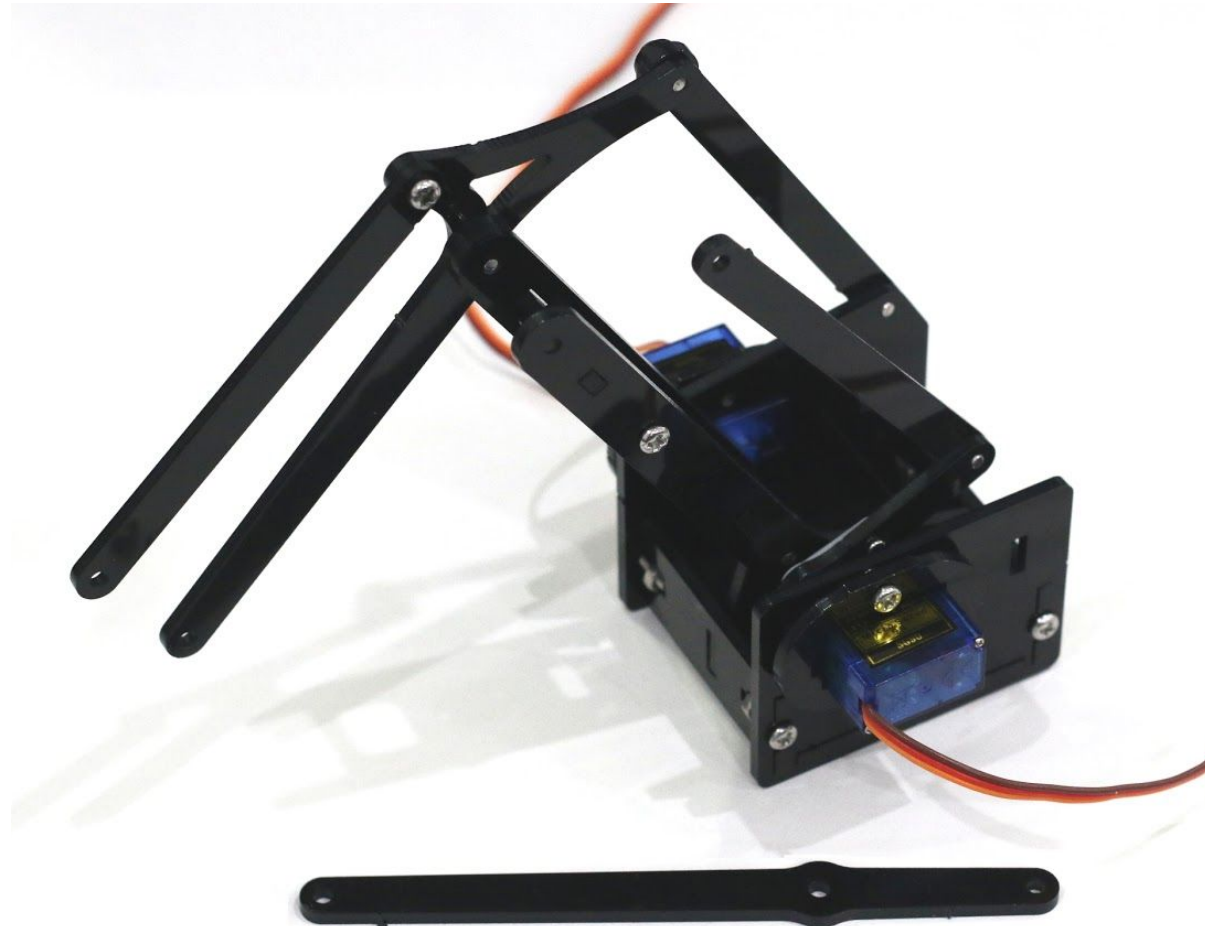


M3x8
1pc

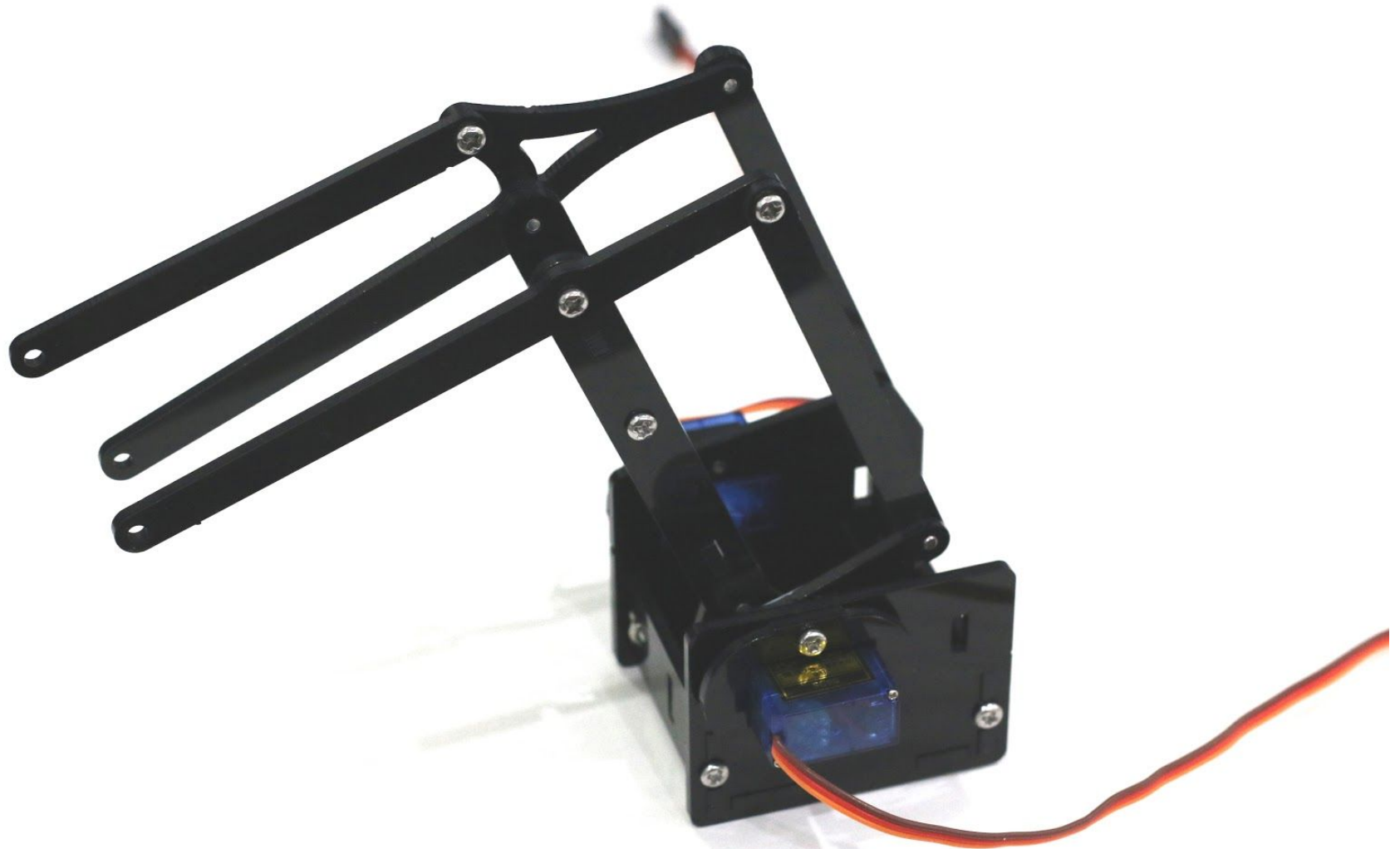






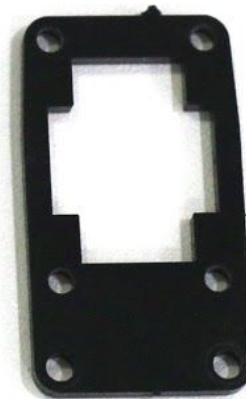


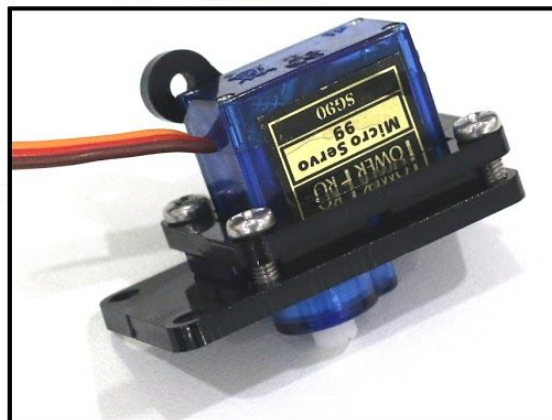
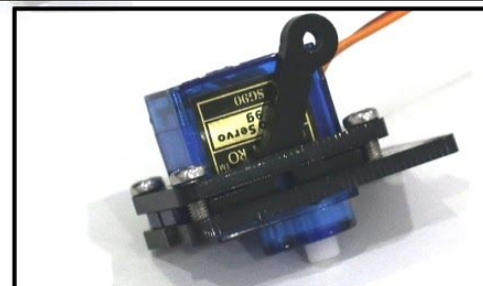
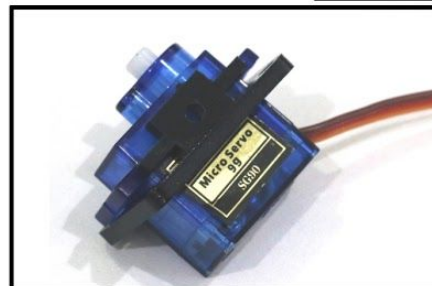
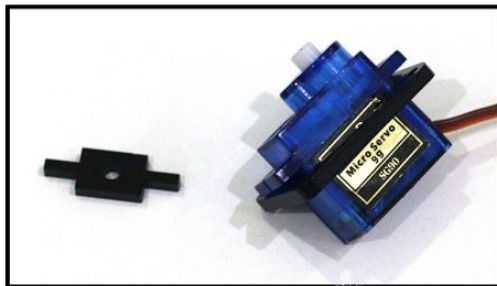
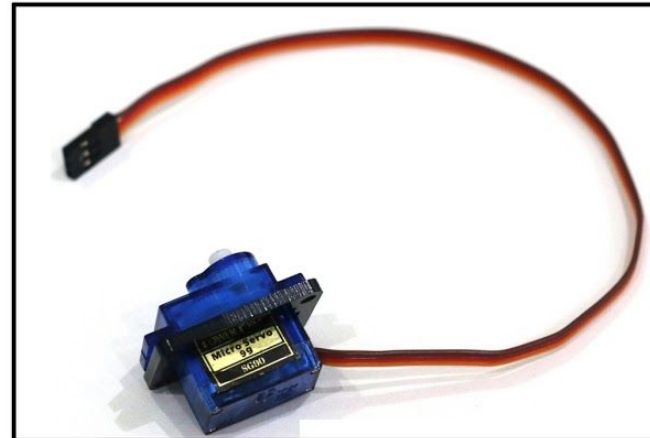
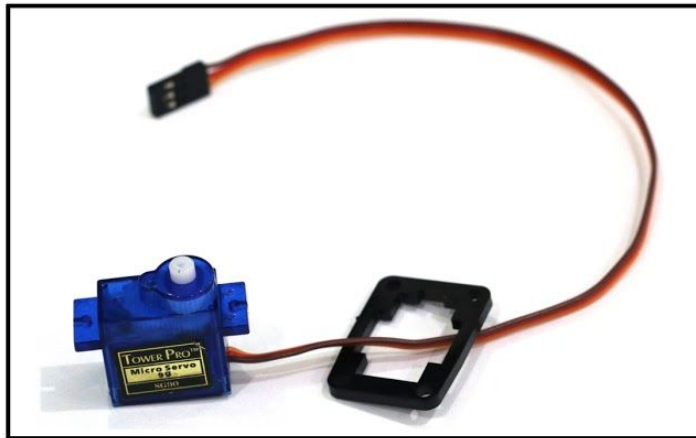
 M3x6
2pcs

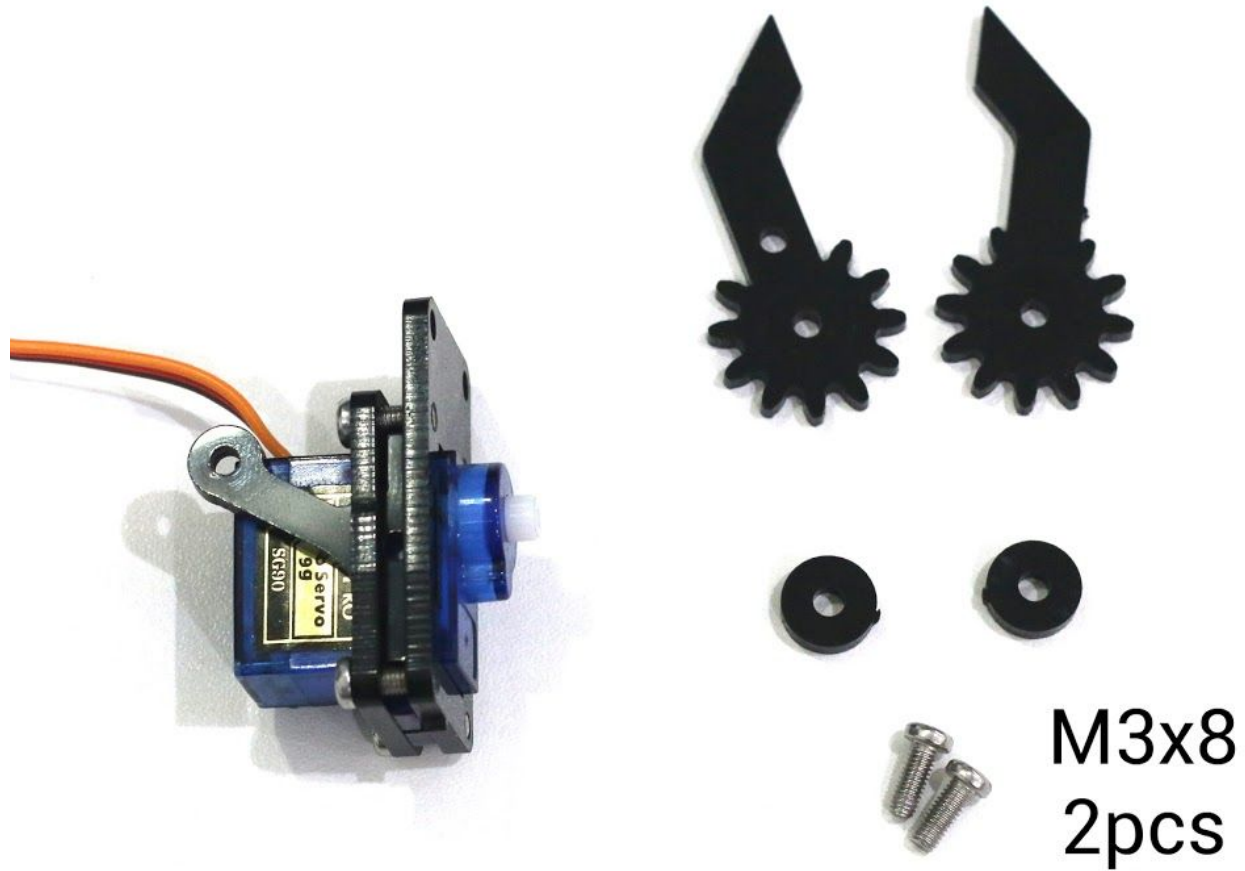


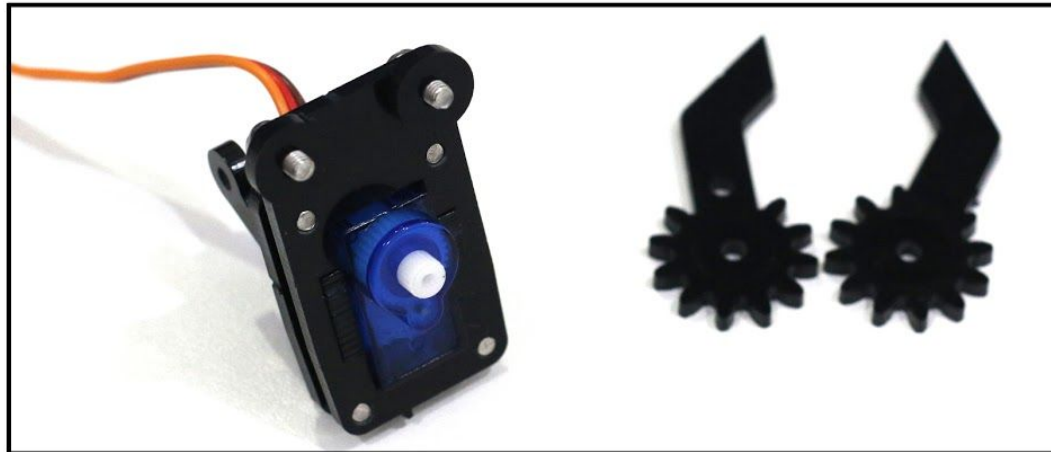


M3x8
4pcs

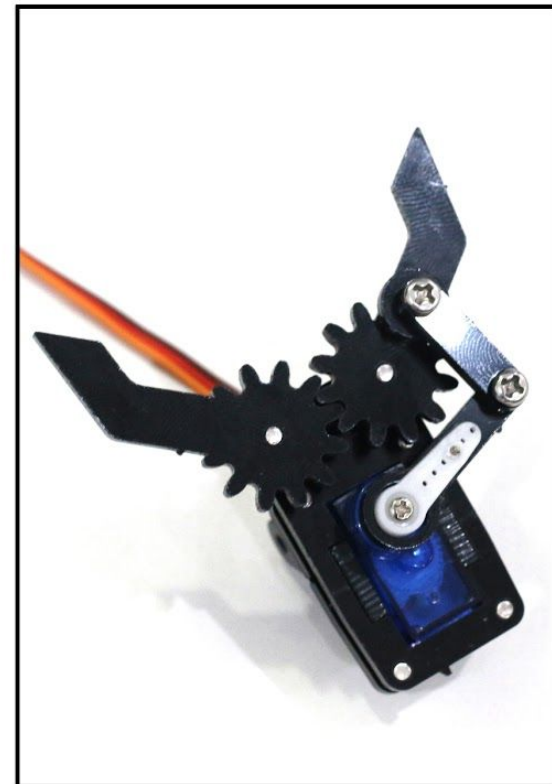


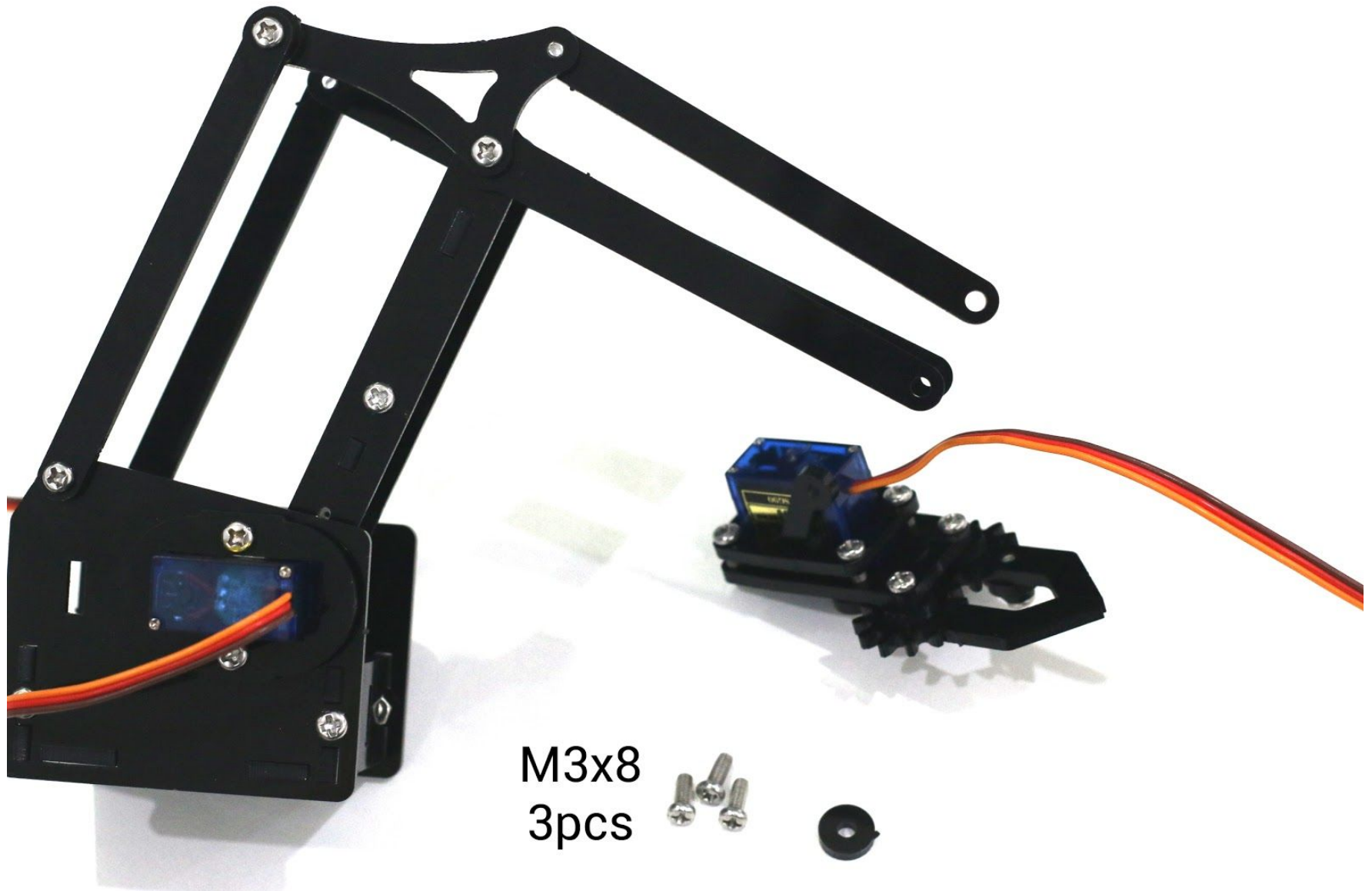


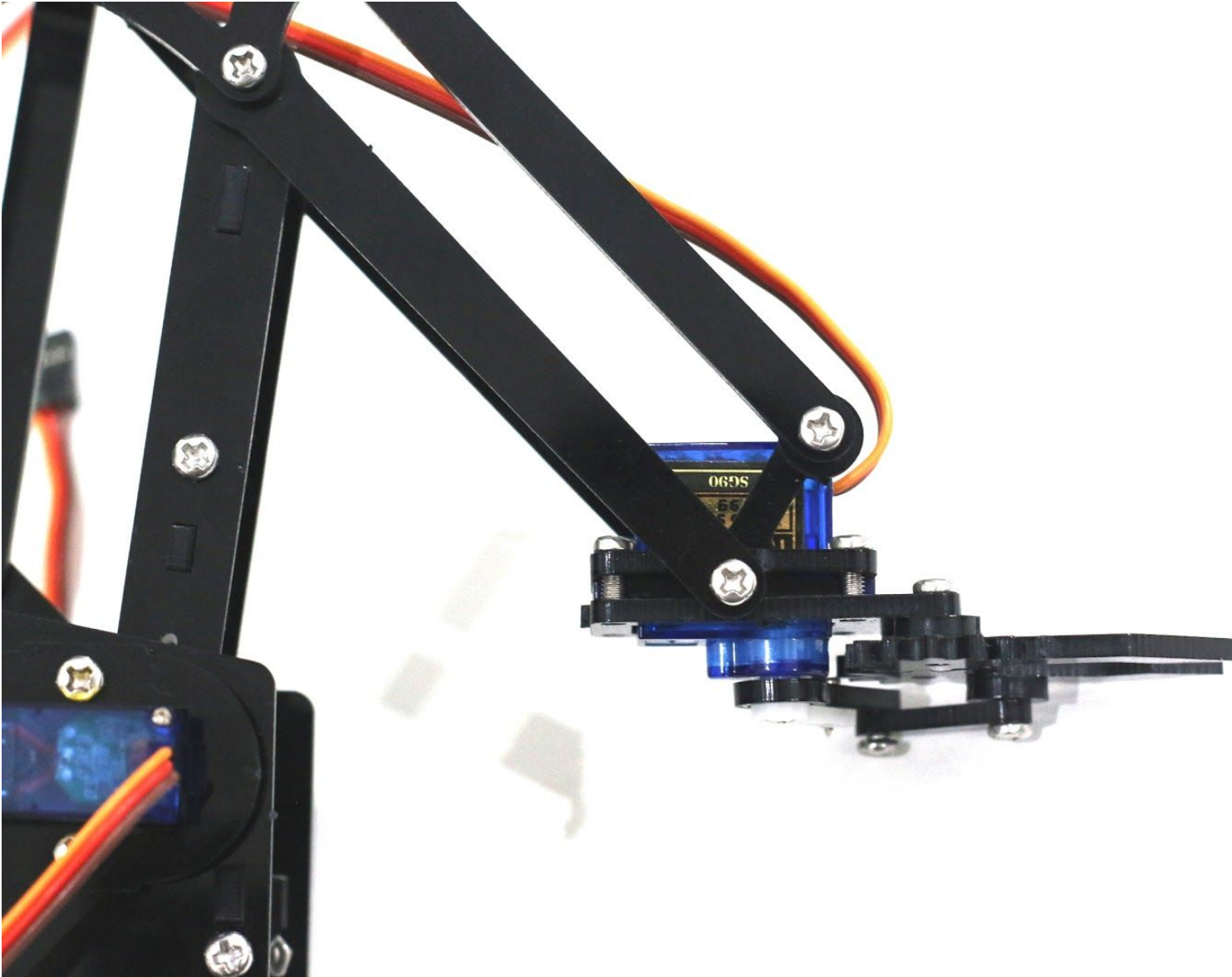


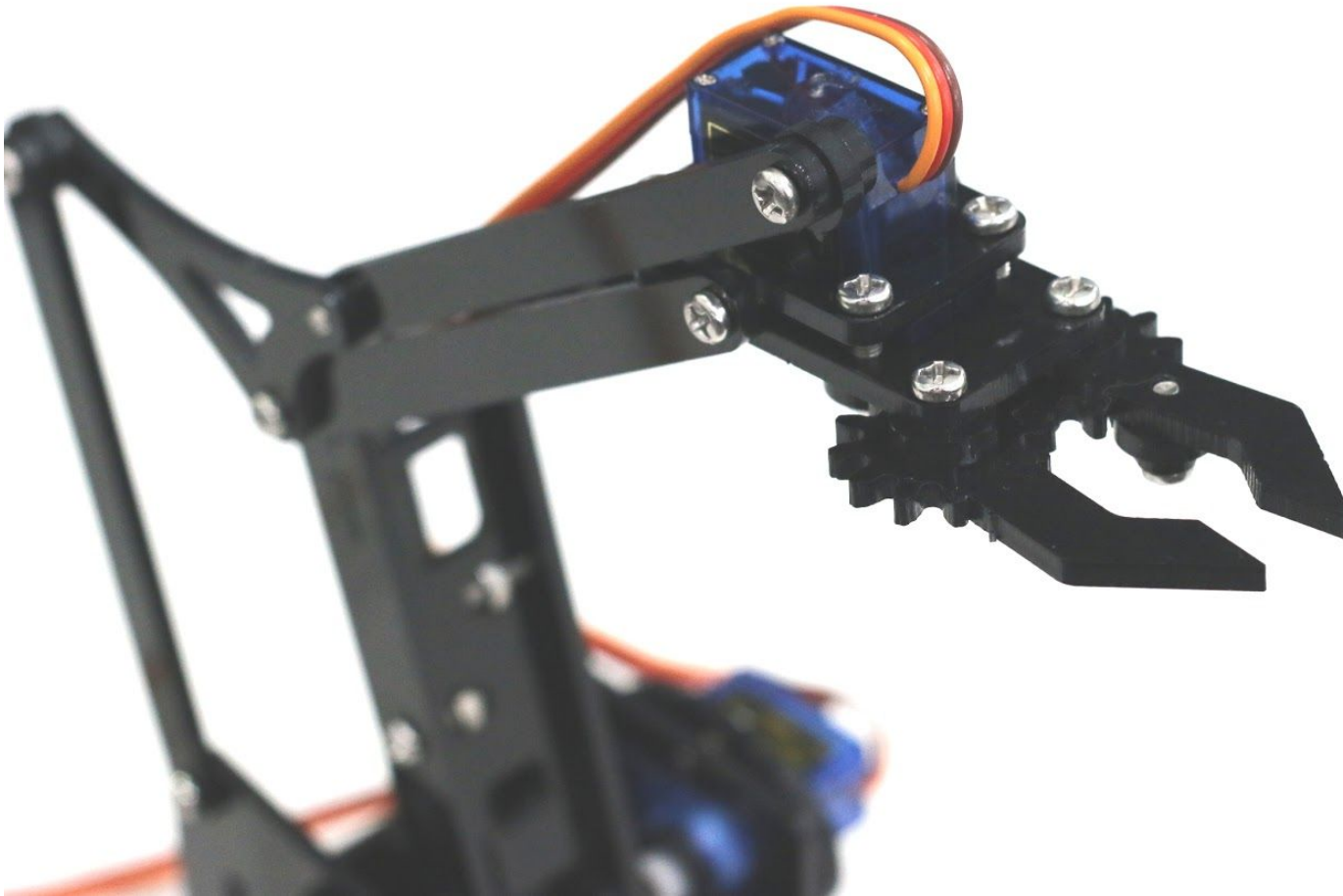


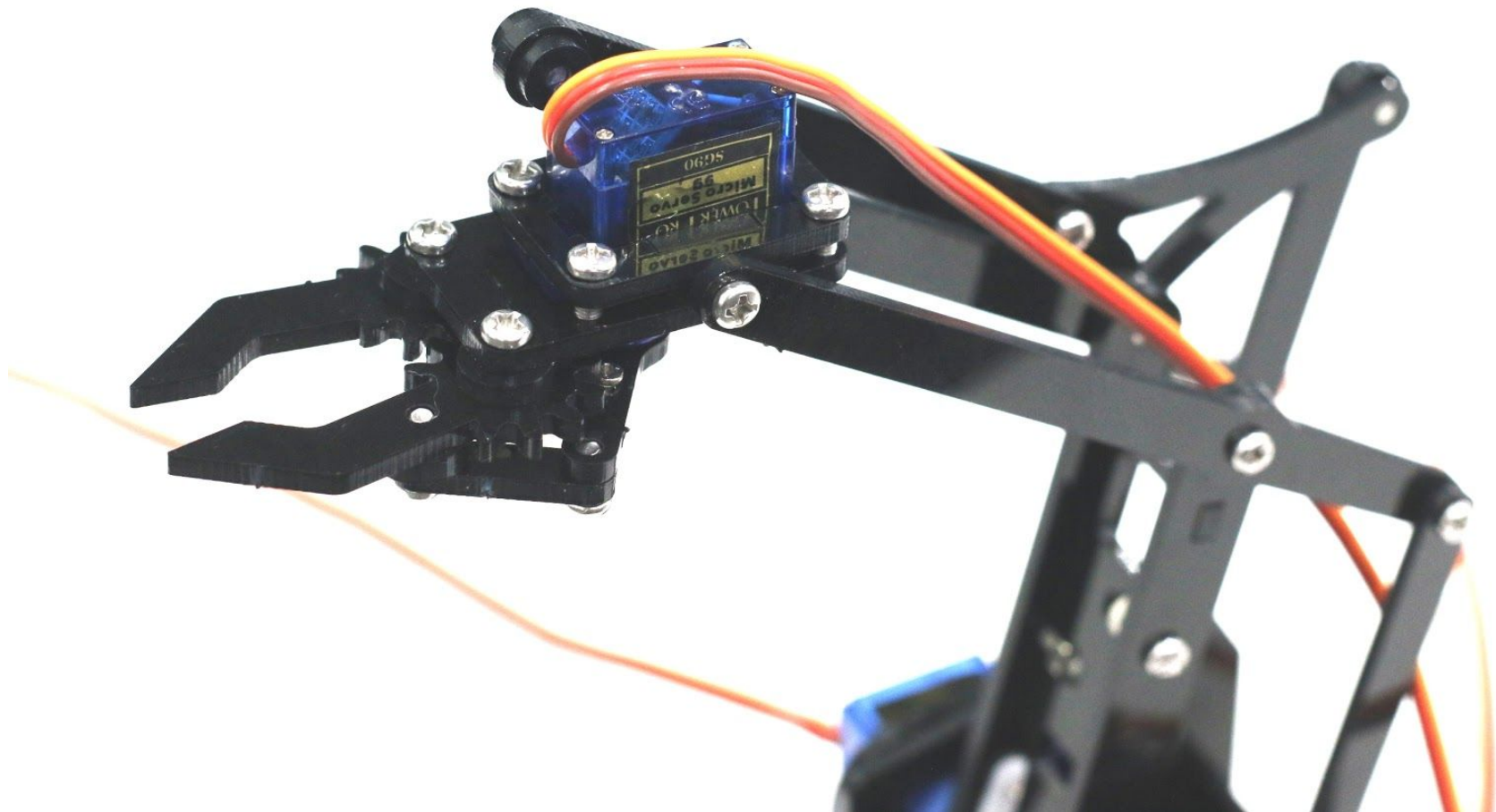


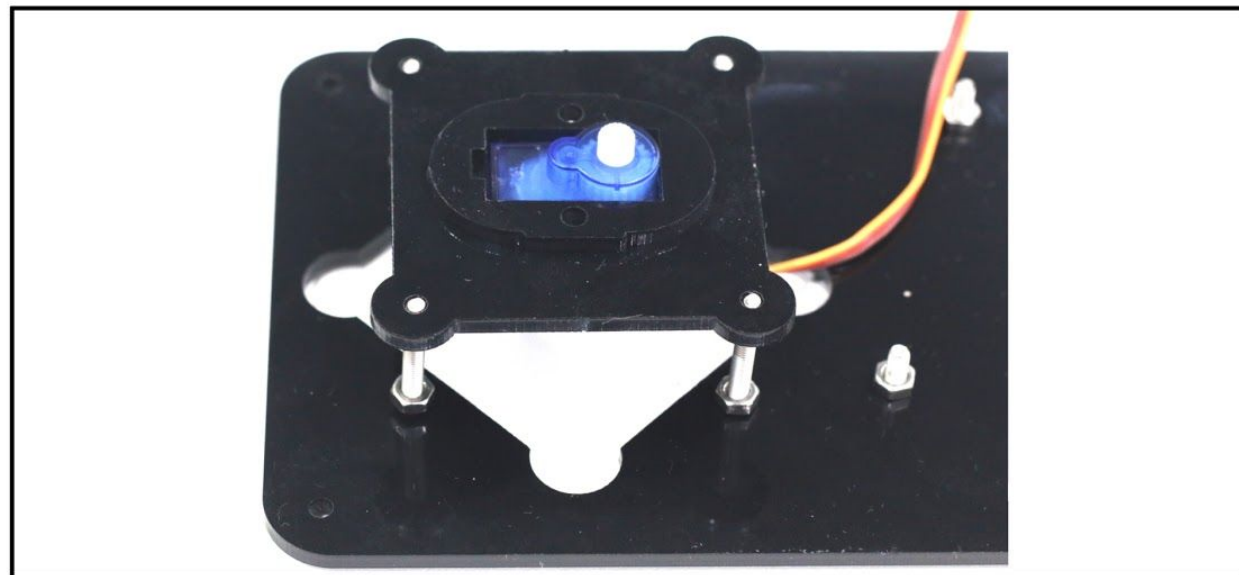
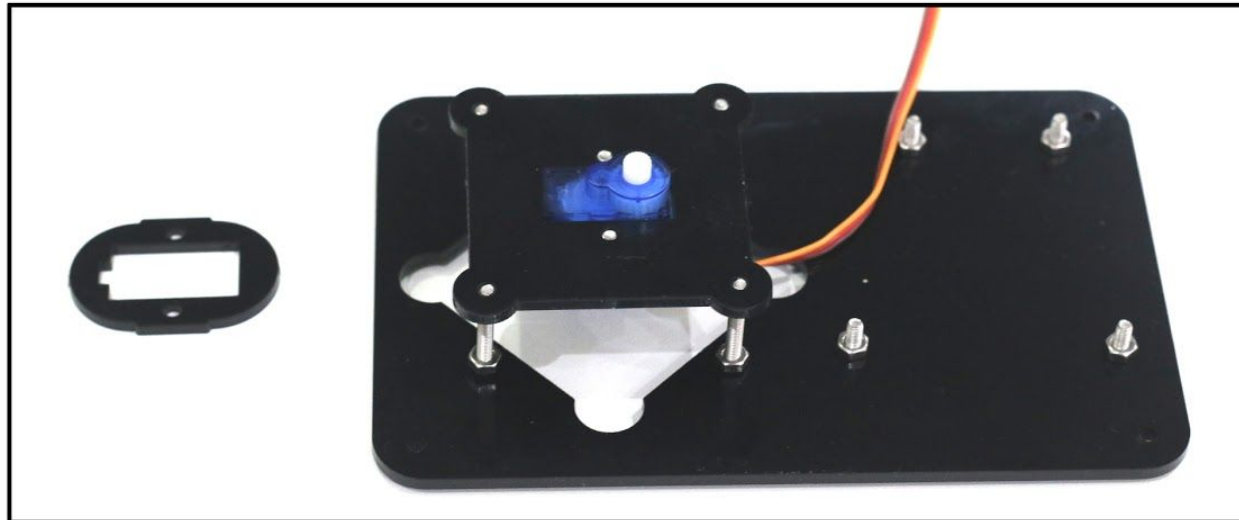


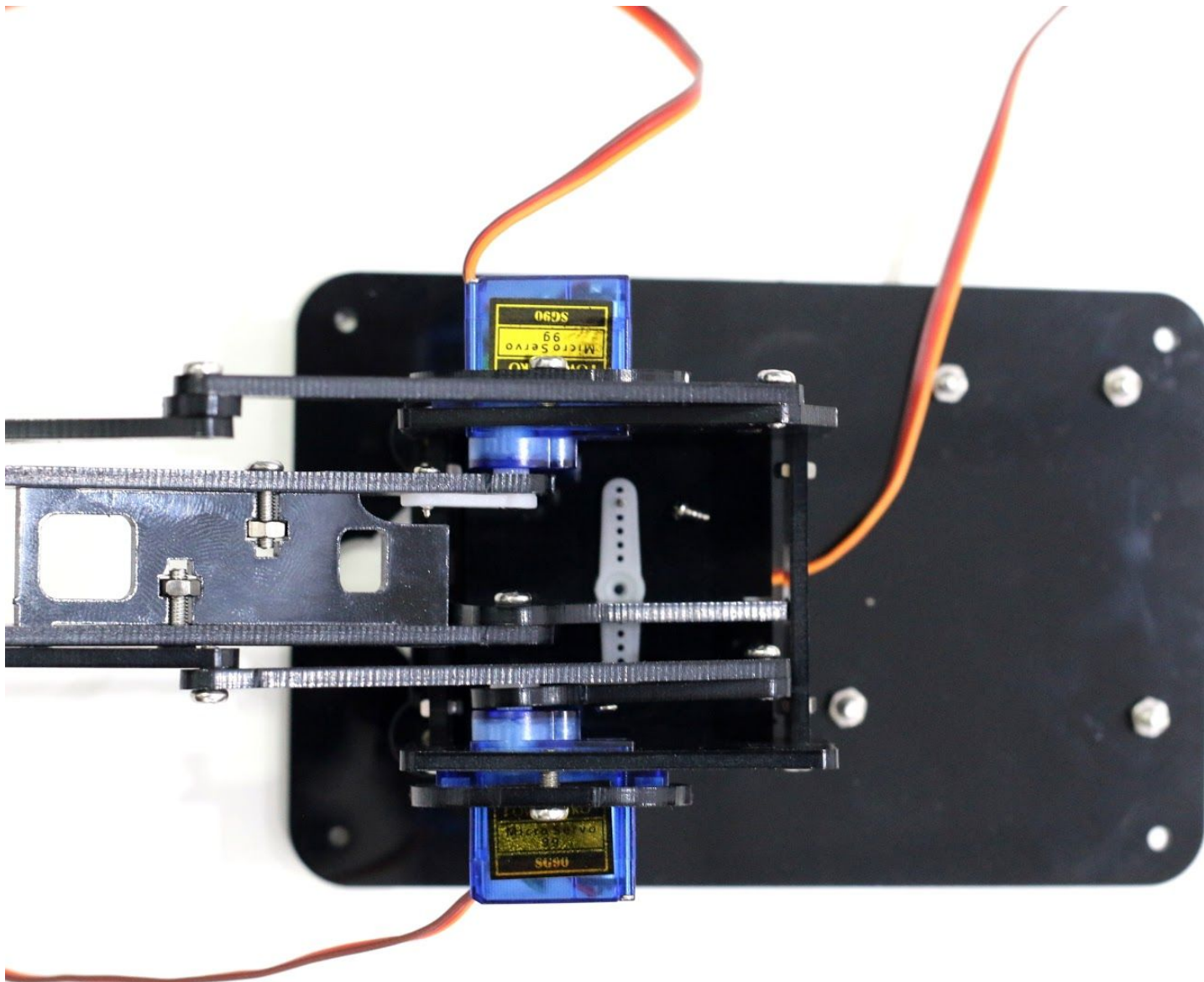


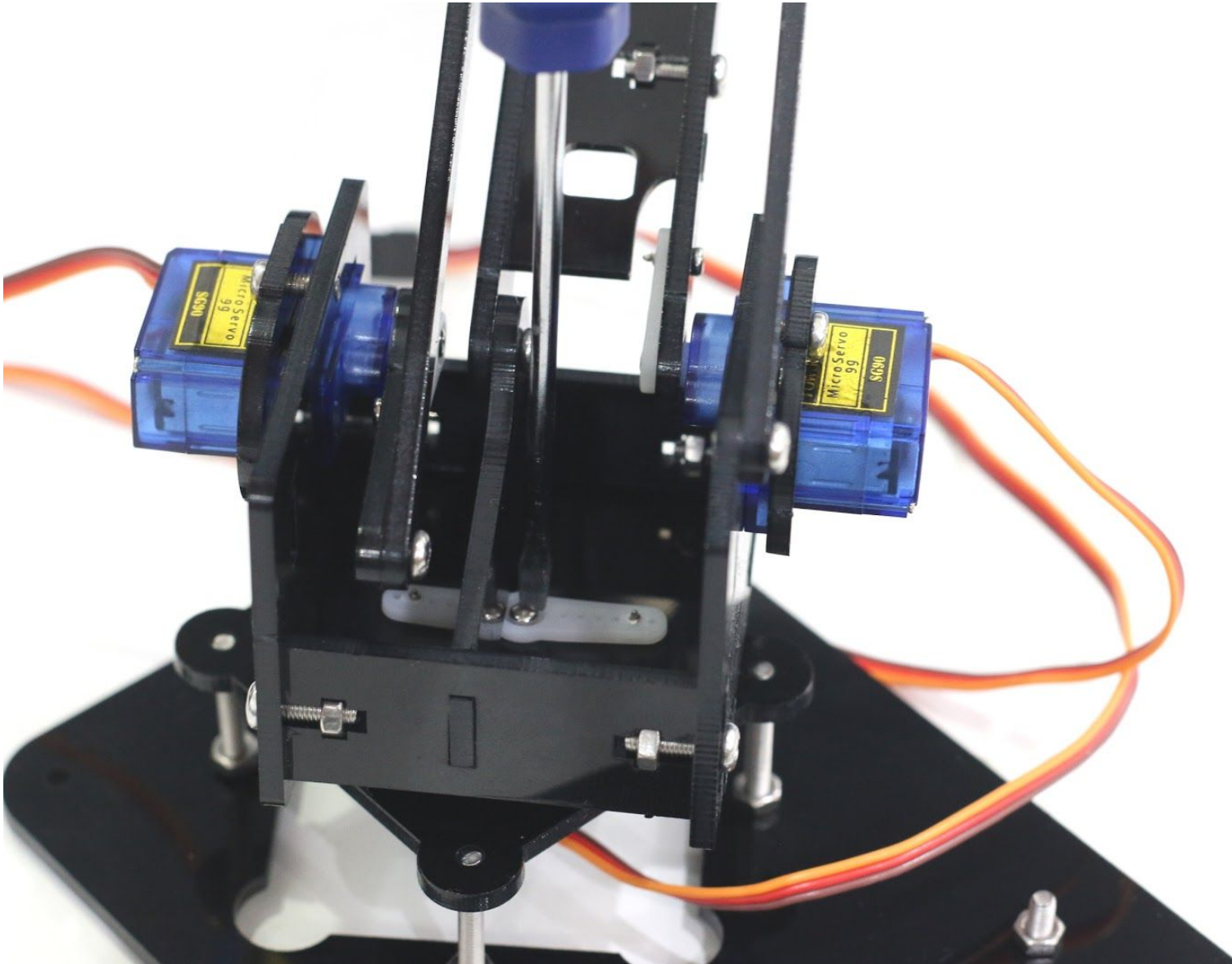


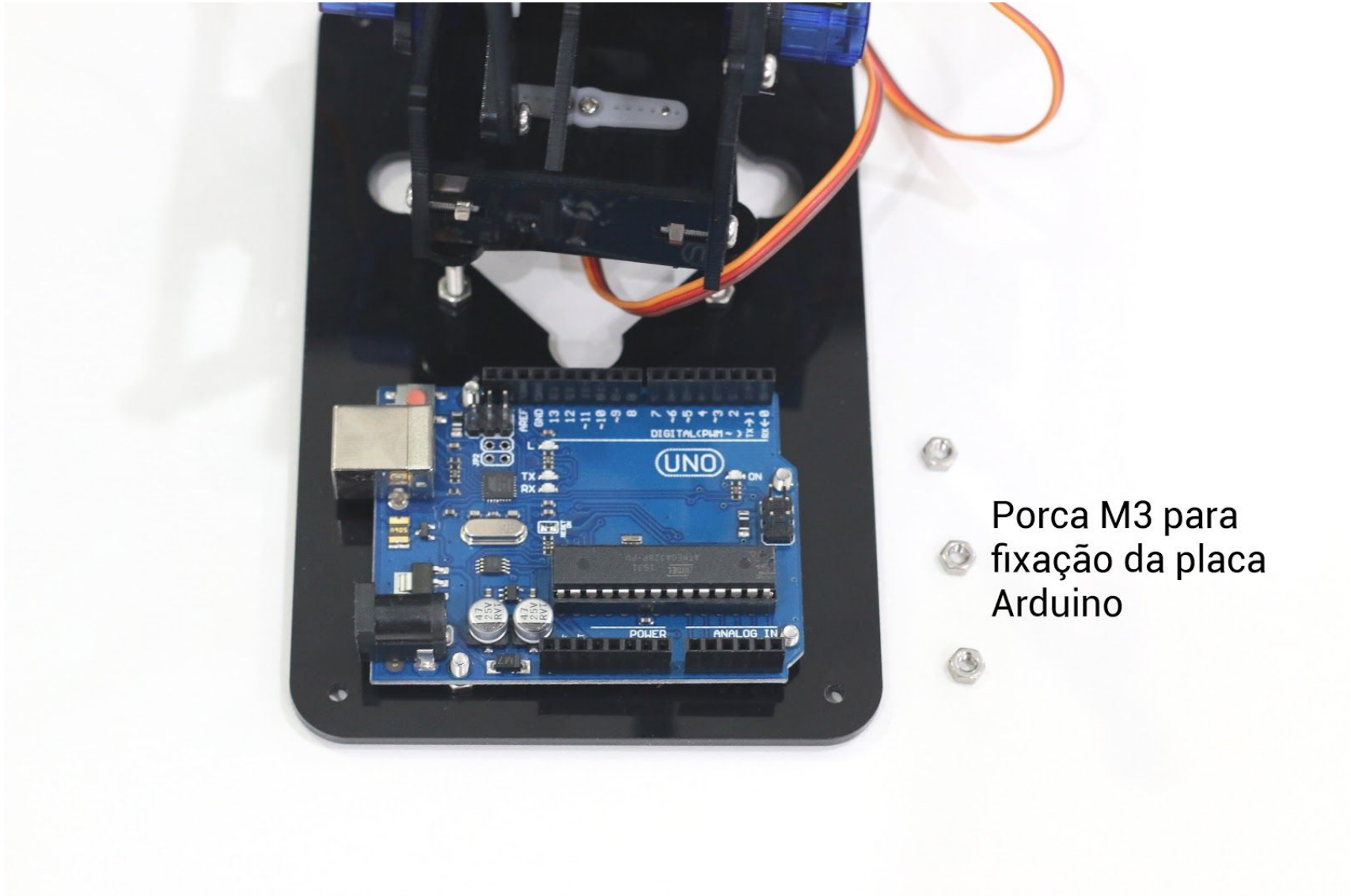




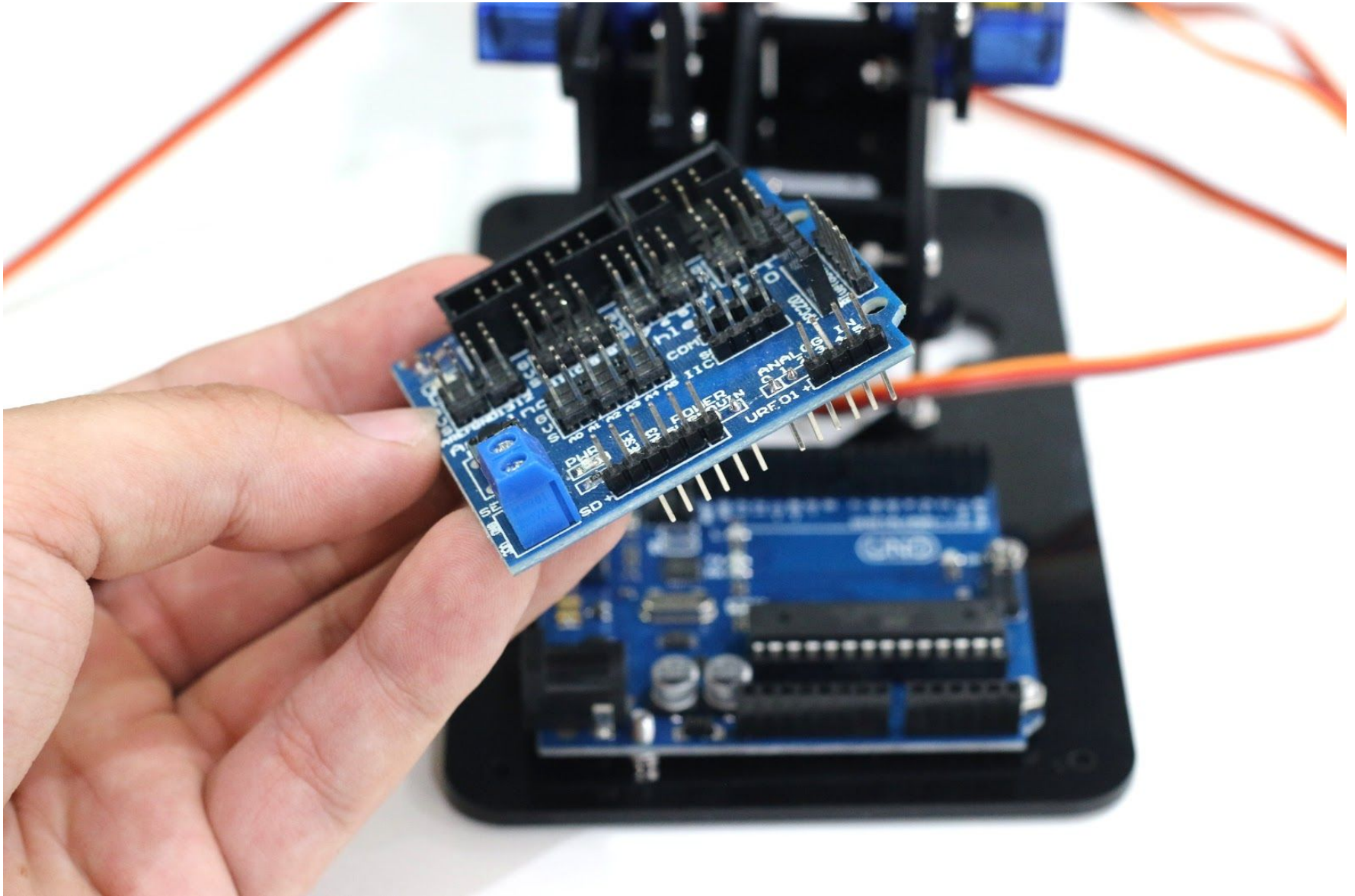


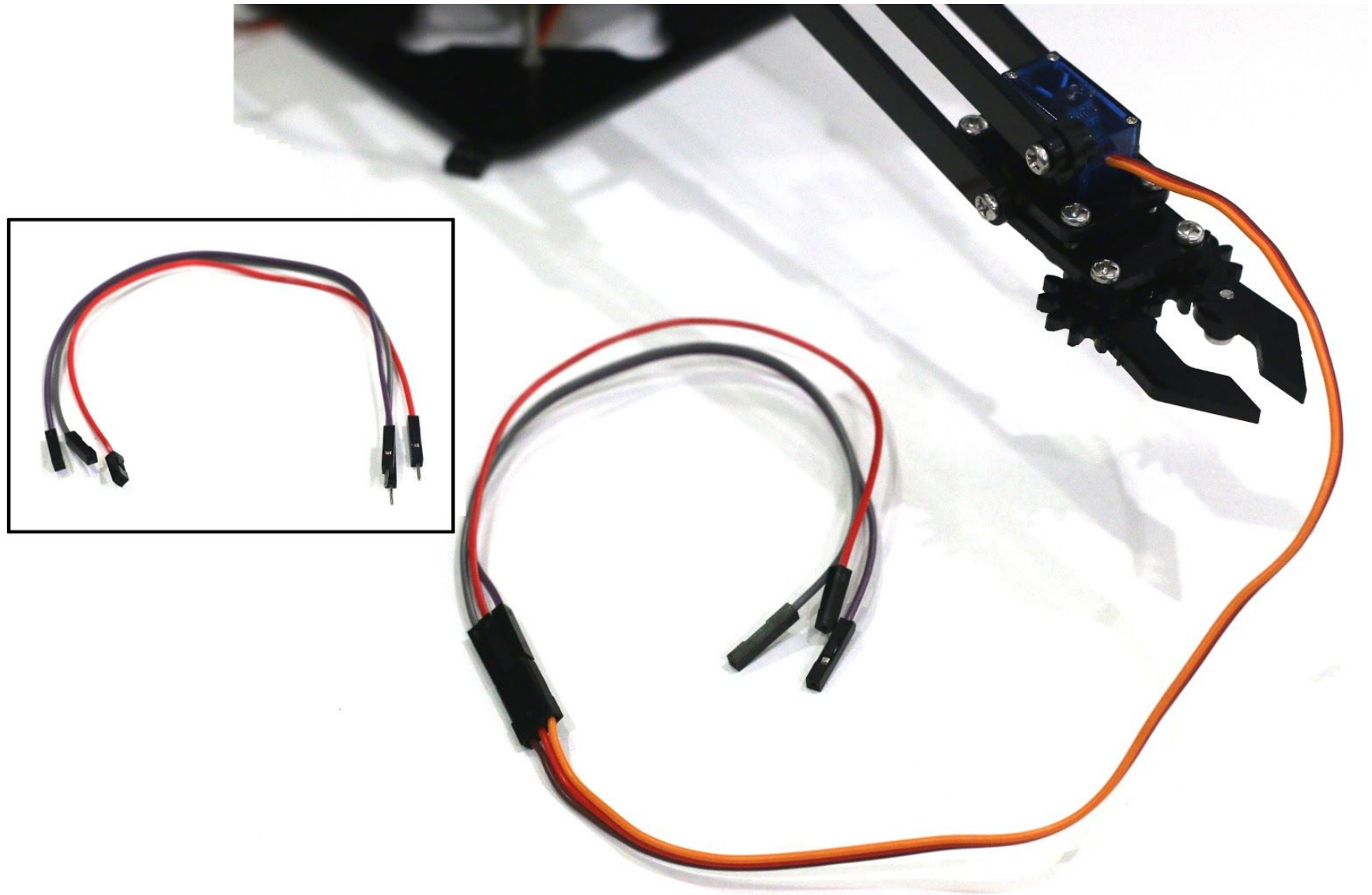


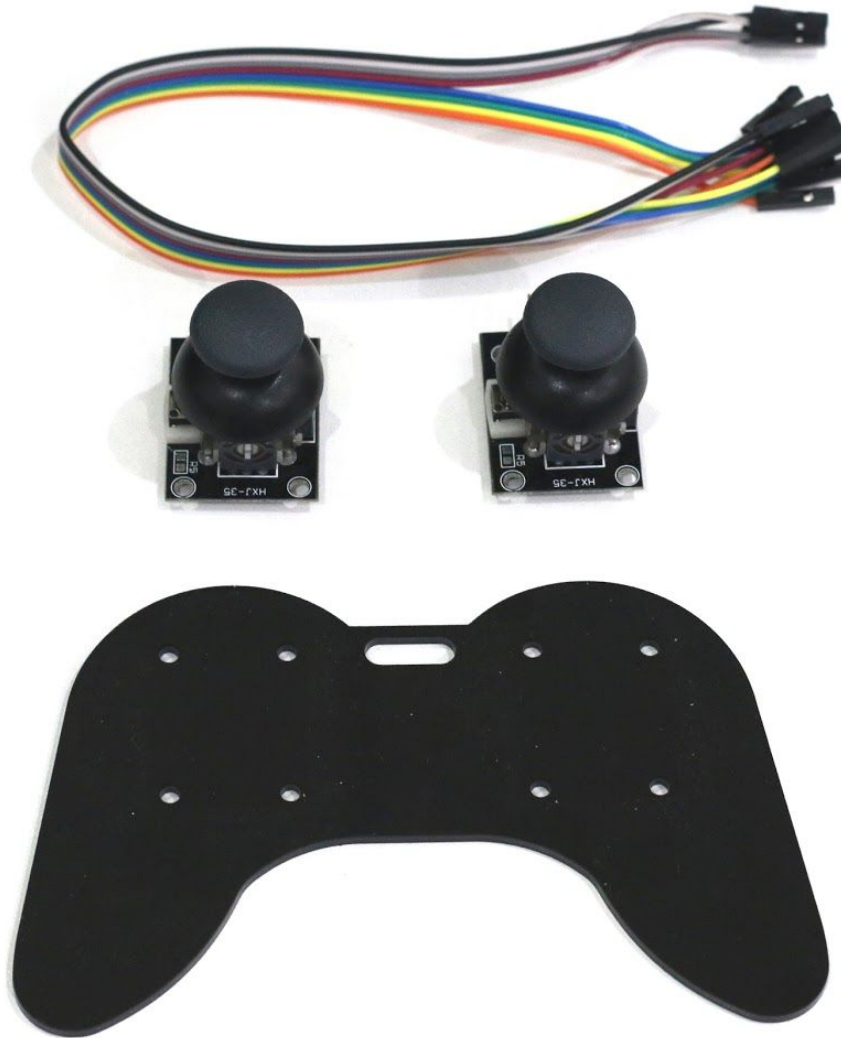




Porca M3 para
fixação da placa
Arduino



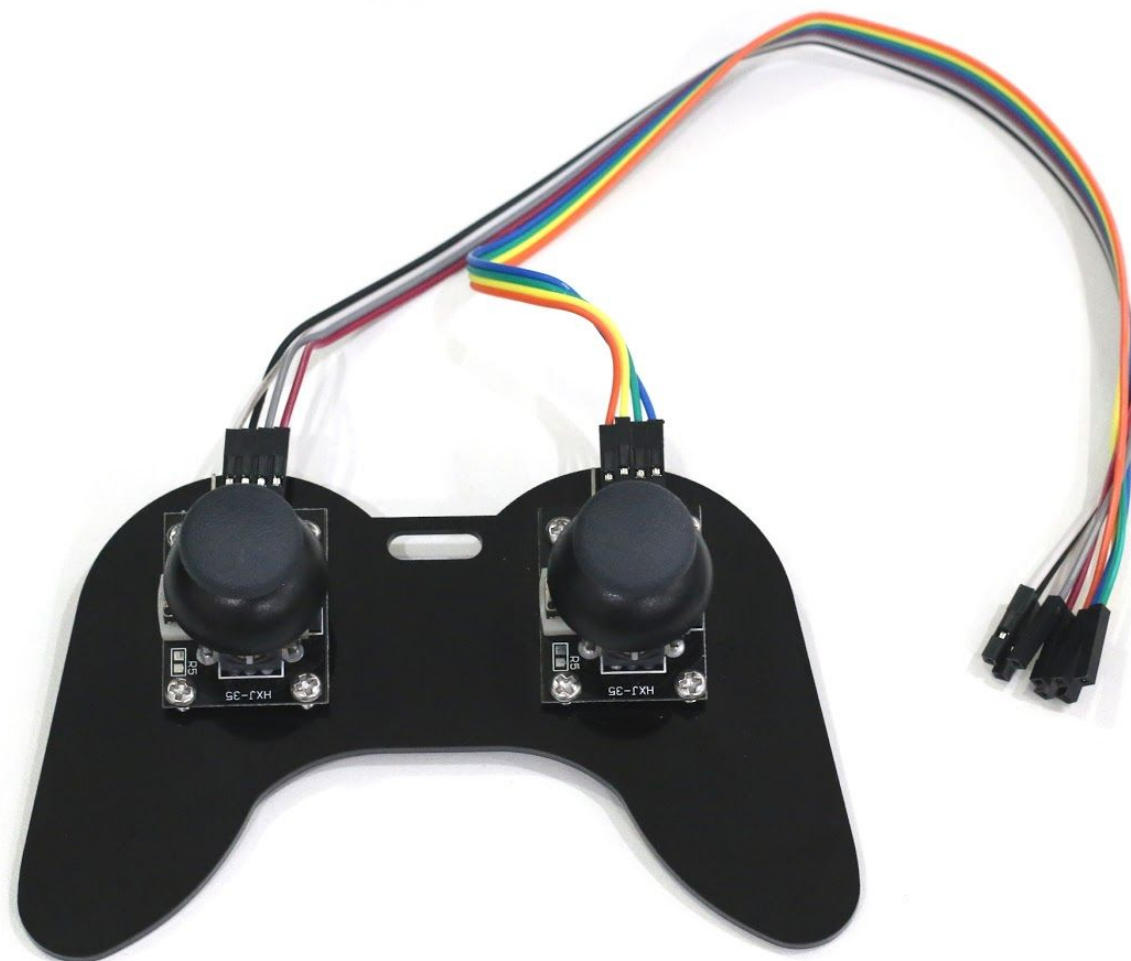




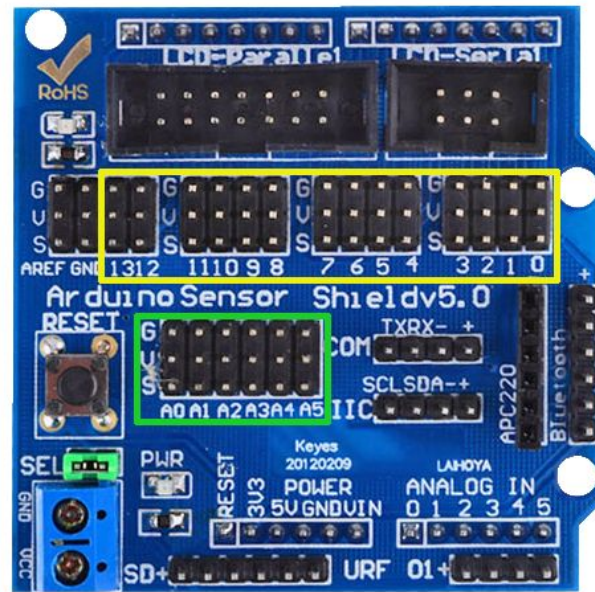
 **Porca M3
8pcs**

 **M3x10
8pcs**





Esquema de ligação servos e joysticks



Portas Analógicas

Portas Digitais

G: GND
V: 5V Vcc
S: Sinal

Porta digital

11



Base

Porta digital

10



Extensão

Porta digital

9



Altura

Porta digital

6



Garra

VRy: A0

VRx: A1



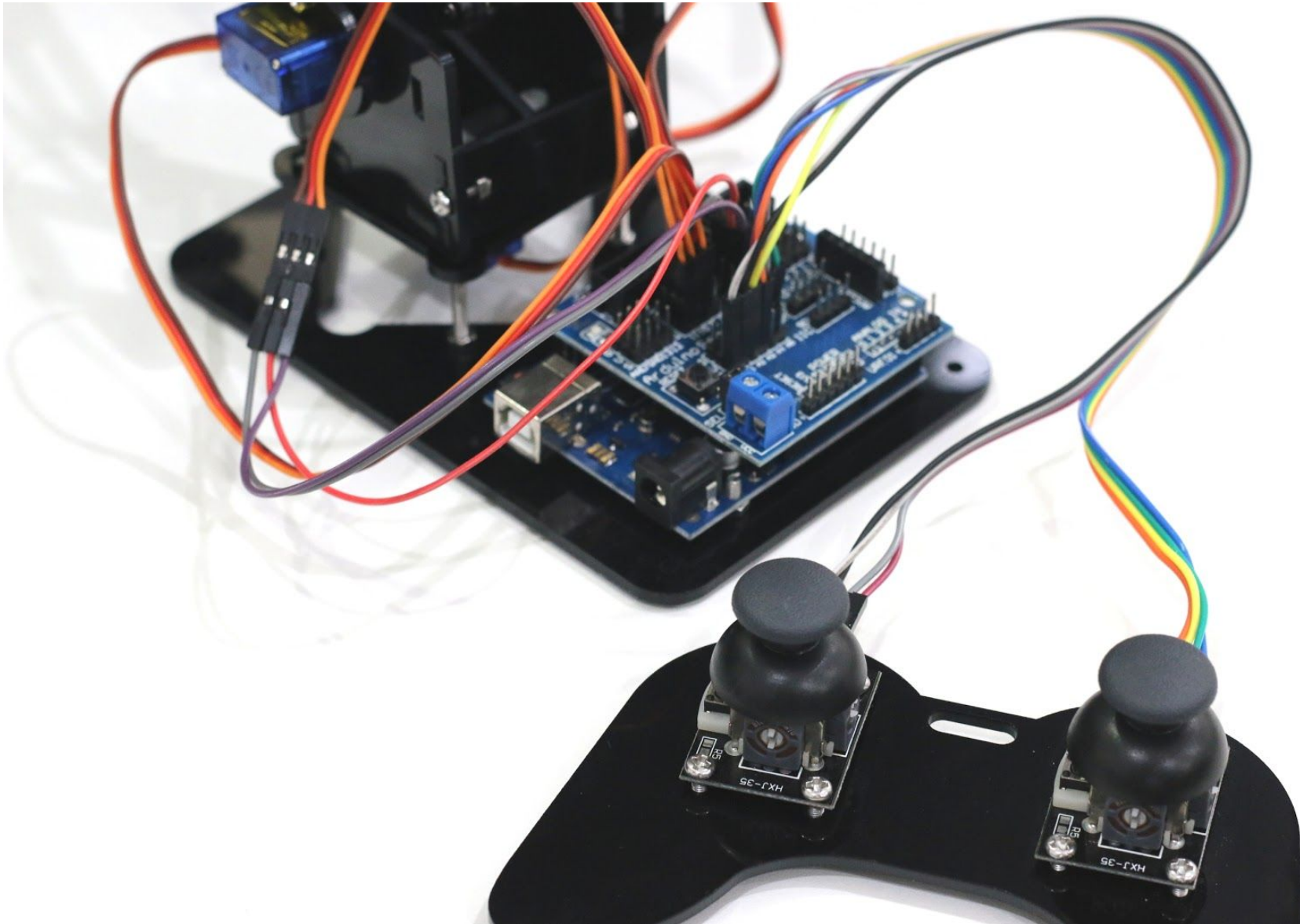
Joystick Esquerdo

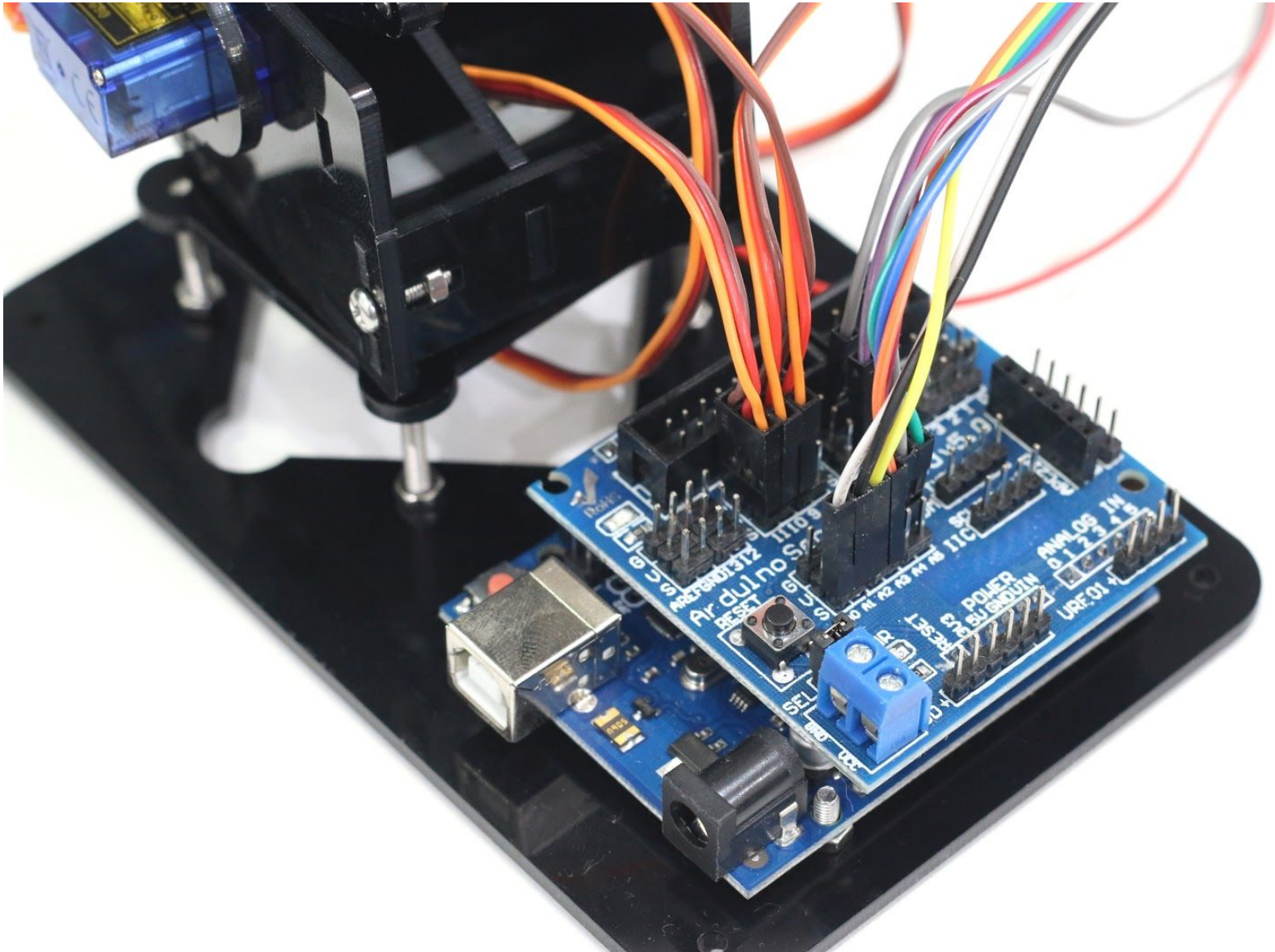
VRy: A3

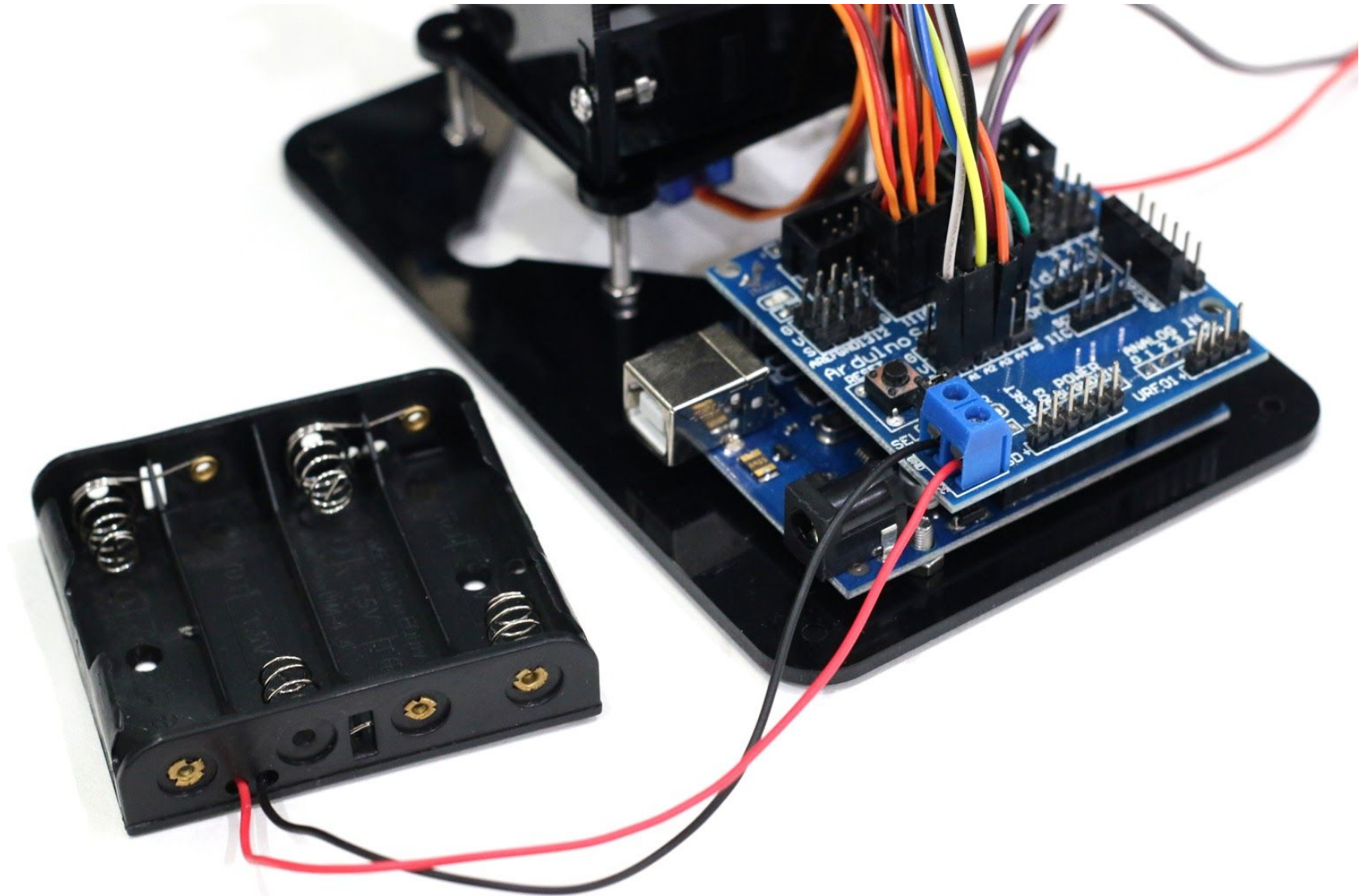
VRx: A2



Joystick Direito







Programa Arduino

O programa Arduino pode ser encontrado no Github da FILIFEFLOP no seguinte link:

<https://github.com/filipeflop/braco-robotico-arduino>