



Braço Robótico com Arduino e Joystick

Manual de Montagem

Braço Robótico com Arduino e Joystick



FILIPEFLOP Componentes Eletrônicos

Conteúdo

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[Montagem passo a passo](#)

Braço Robótico com Arduino e Joystick

M4x25

4pcs



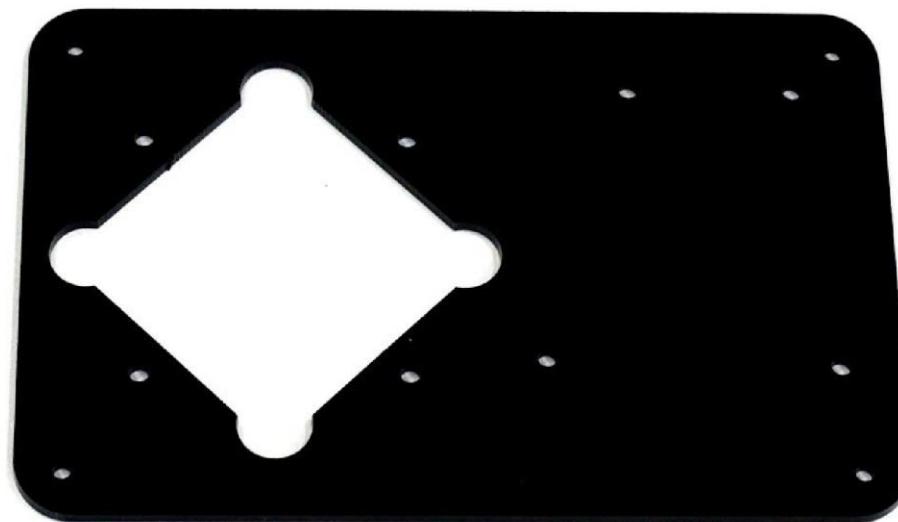
M3x10

4pcs



Porca M3

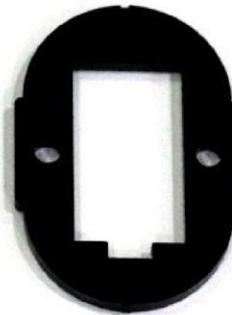
8pcs



Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



M3x8
2pcs

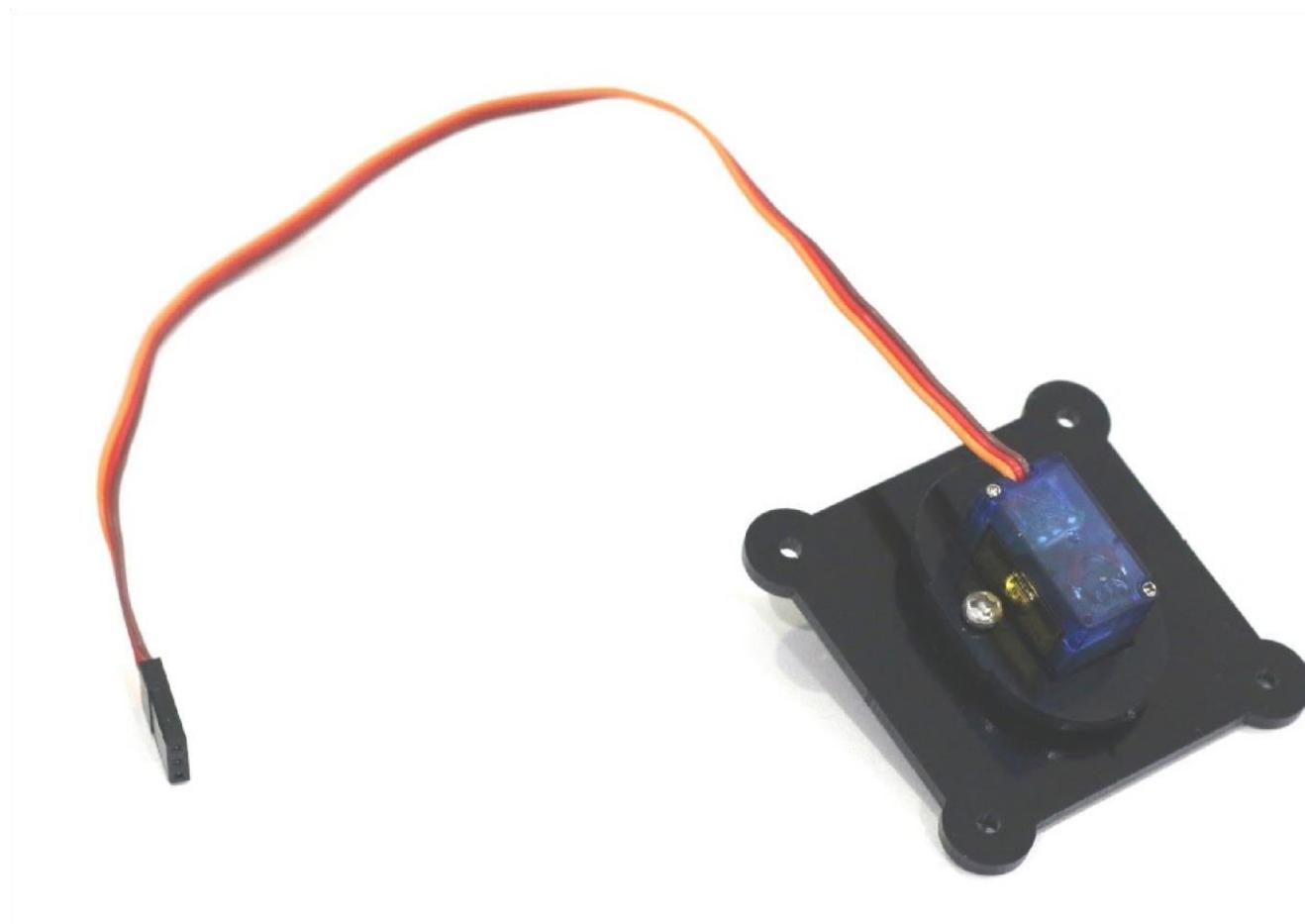


Braço Robótico com Arduino e Joystick

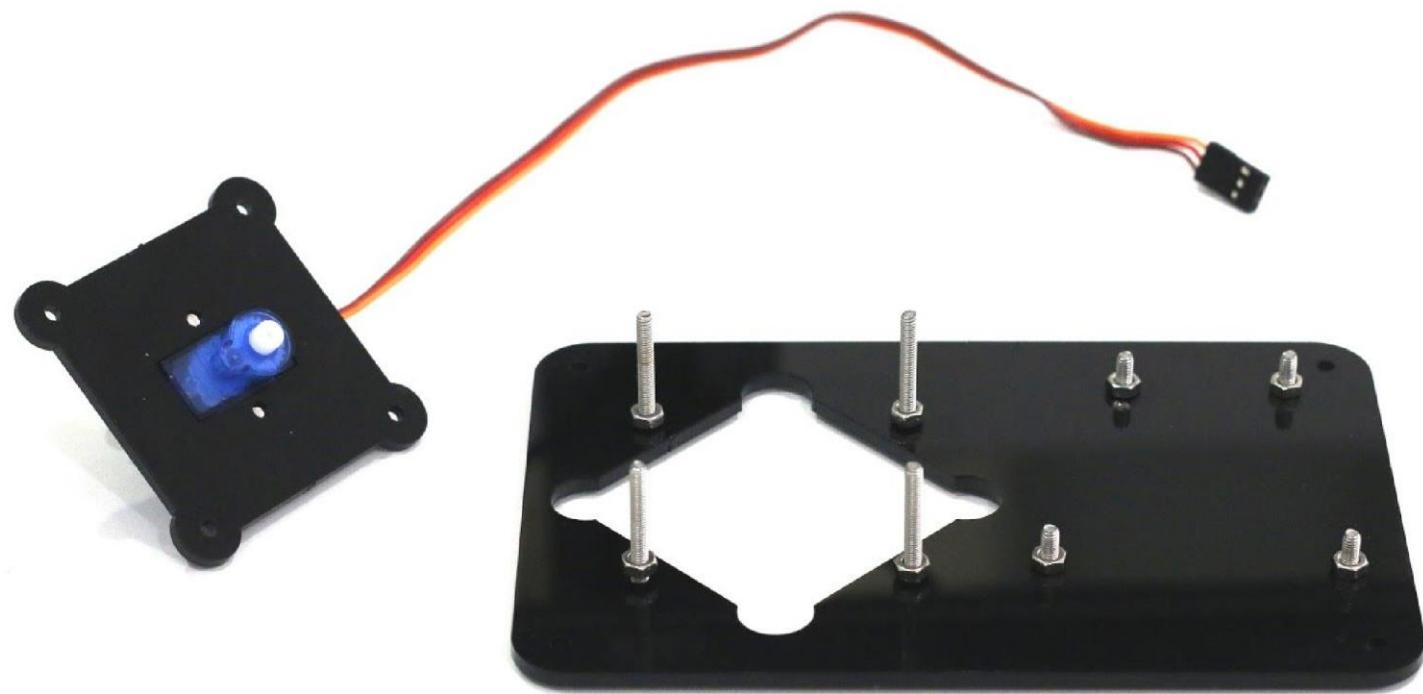


Posicione este espaço do mesmo lado
do cabo do servo, facilitando o encaixe
da peça.

Braço Robótico com Arduino e Joystick



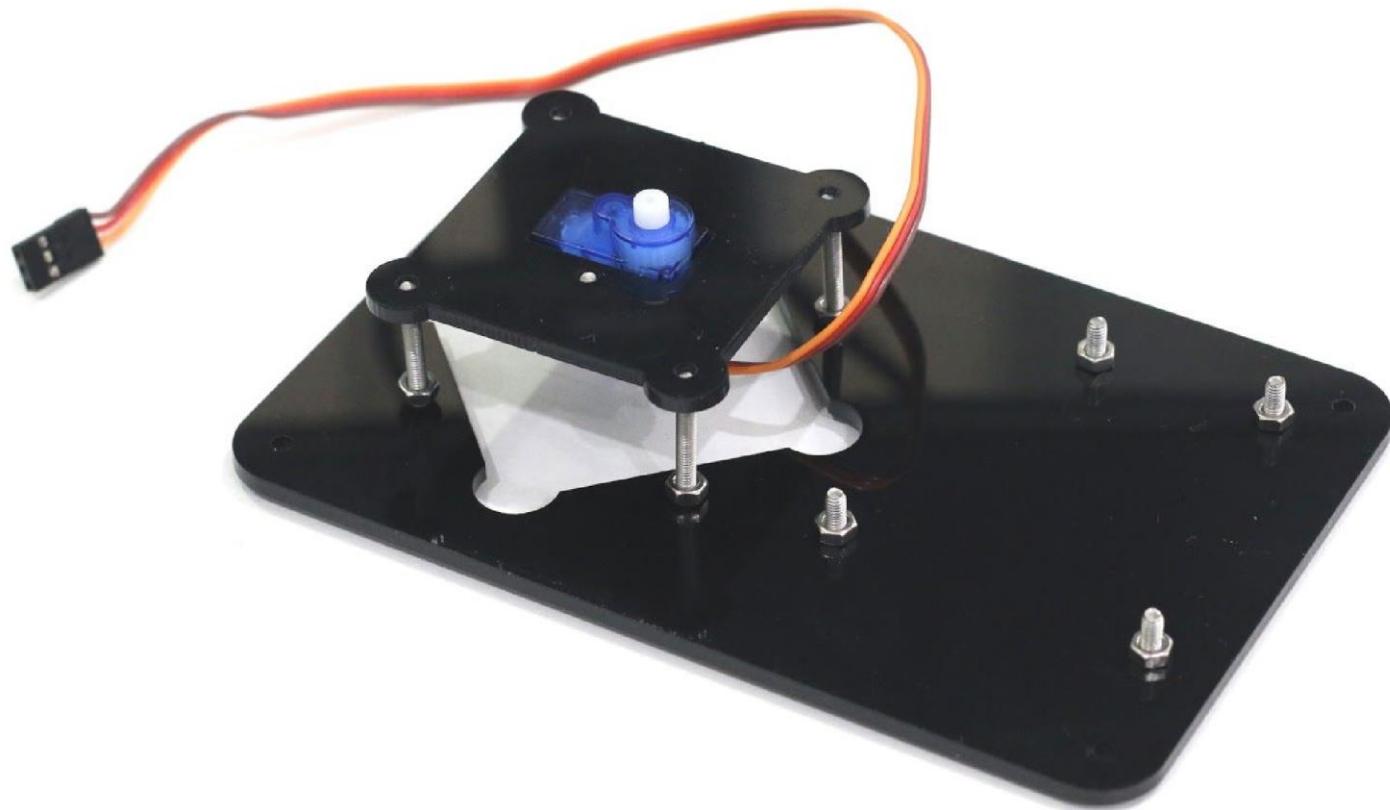
Braço Robótico com Arduino e Joystick



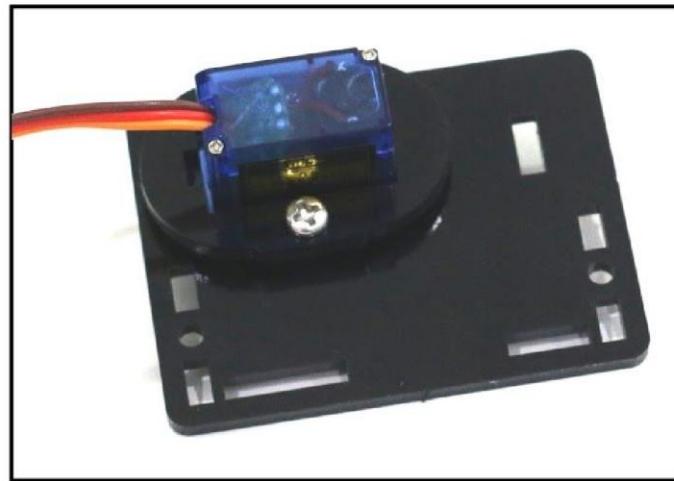
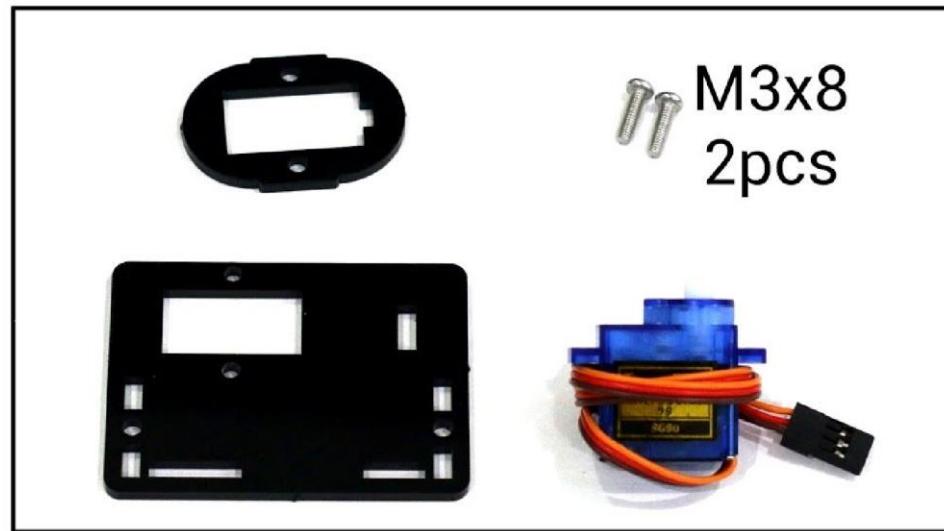


Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick





Braço Robótico com Arduino e Joystick

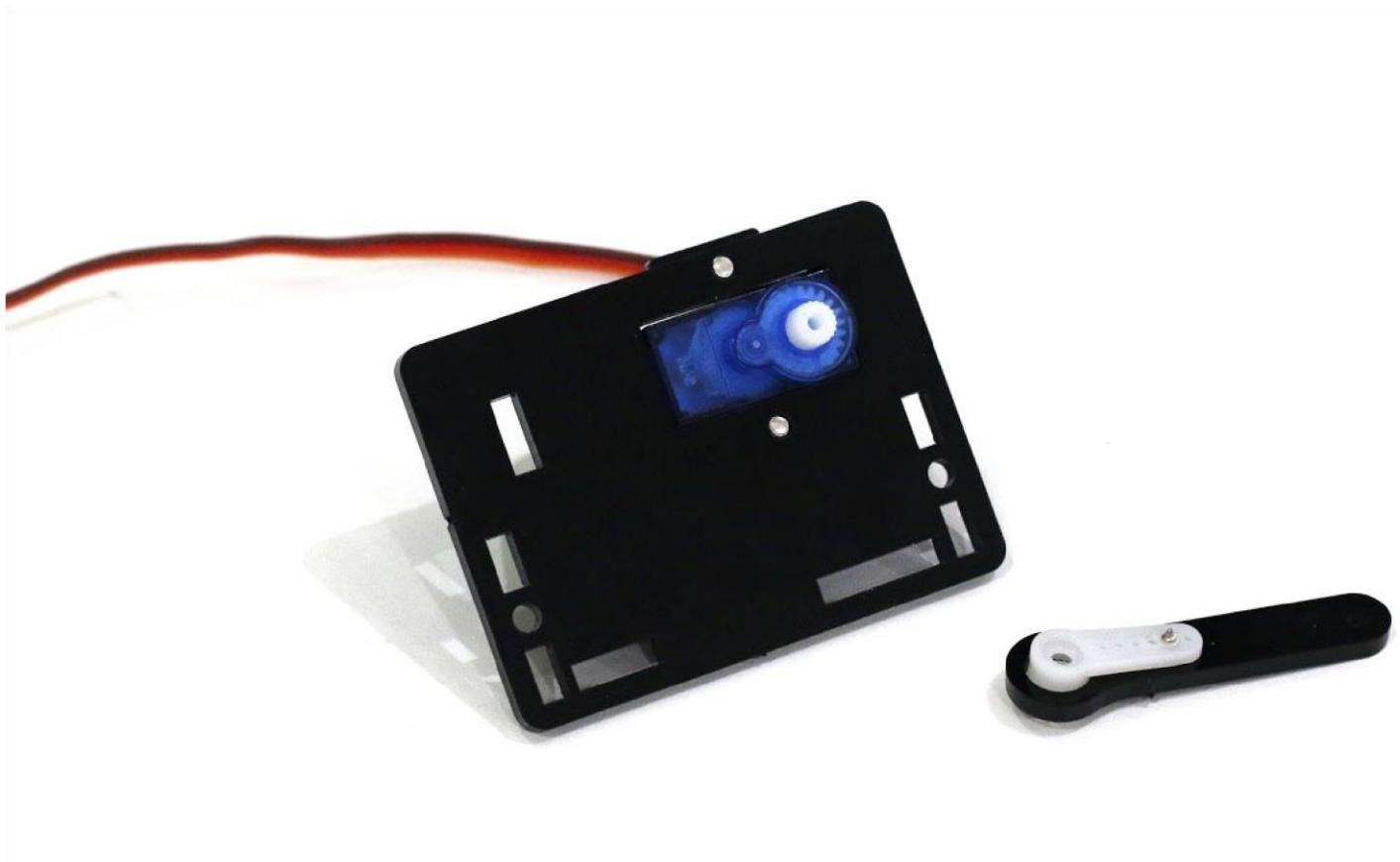
Braço do servo



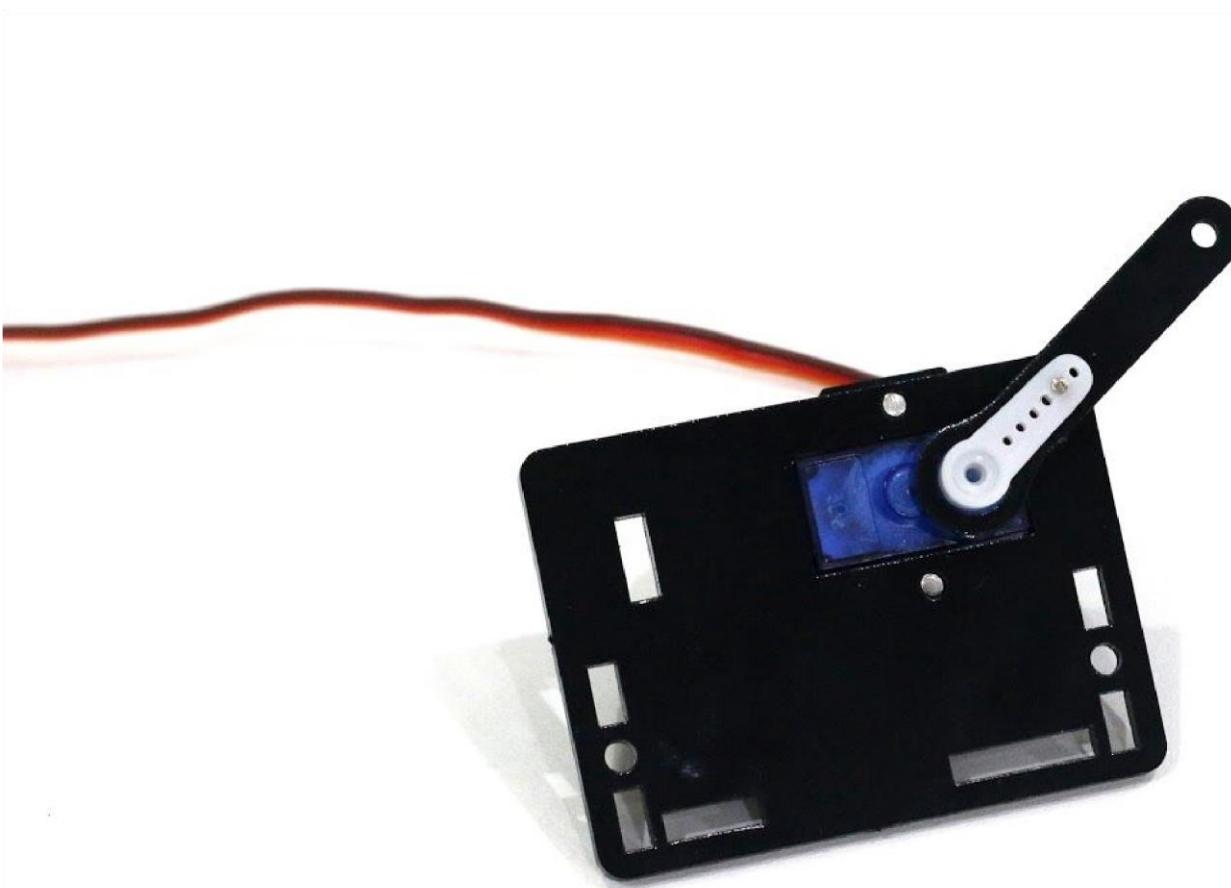
M2x5
1pc



Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



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.

Braço Robótico com Arduino e Joystick

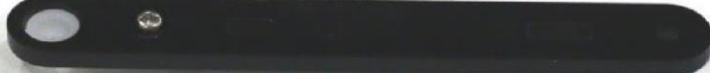




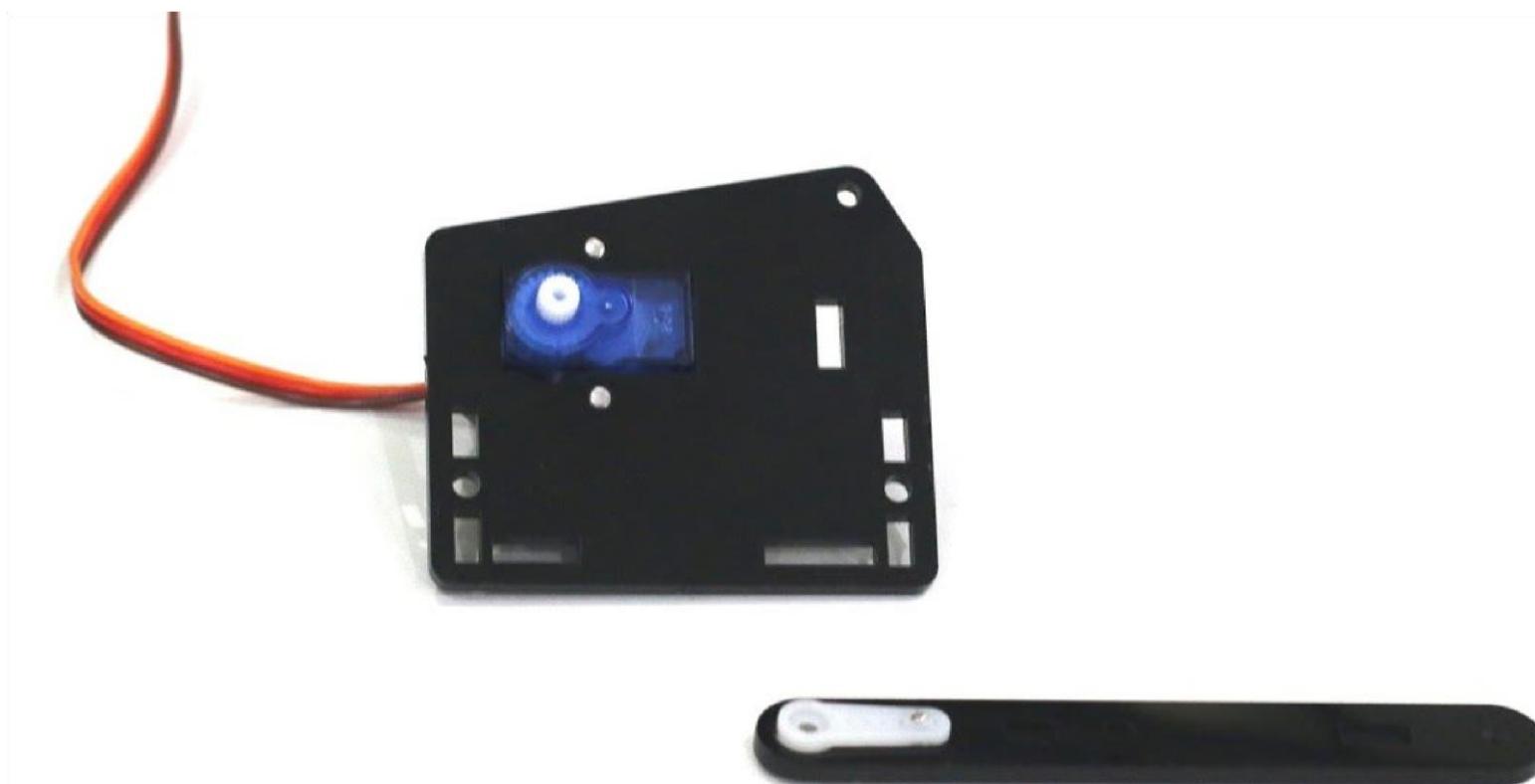
Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick

M2x5
1pc



Braço Robótico com Arduino e Joystick





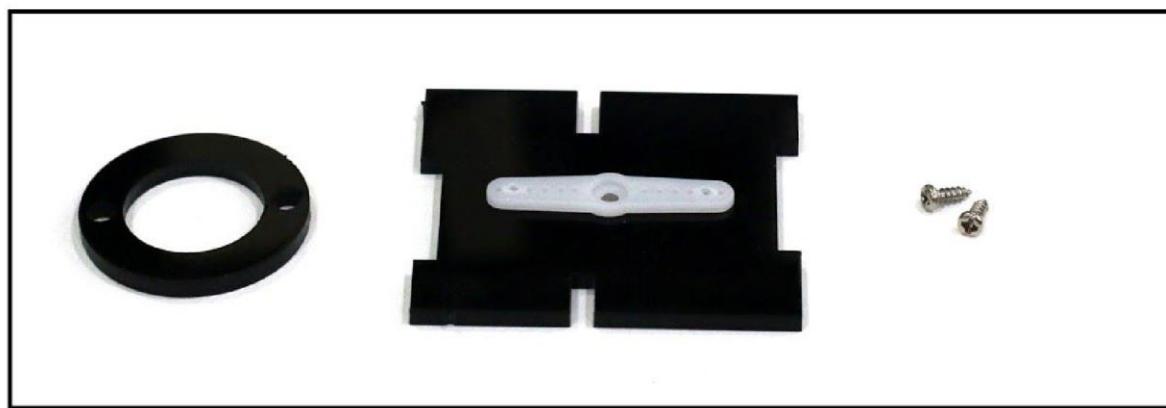
Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick

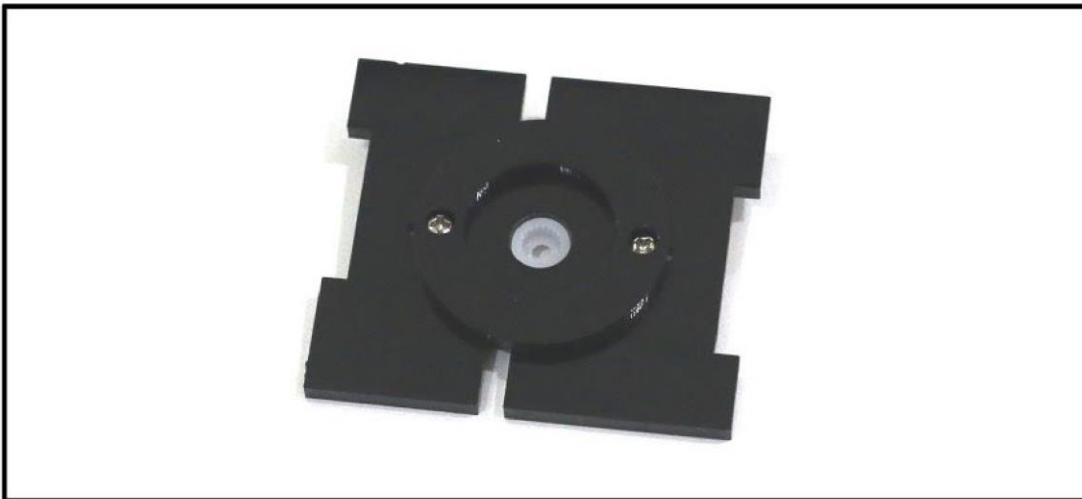
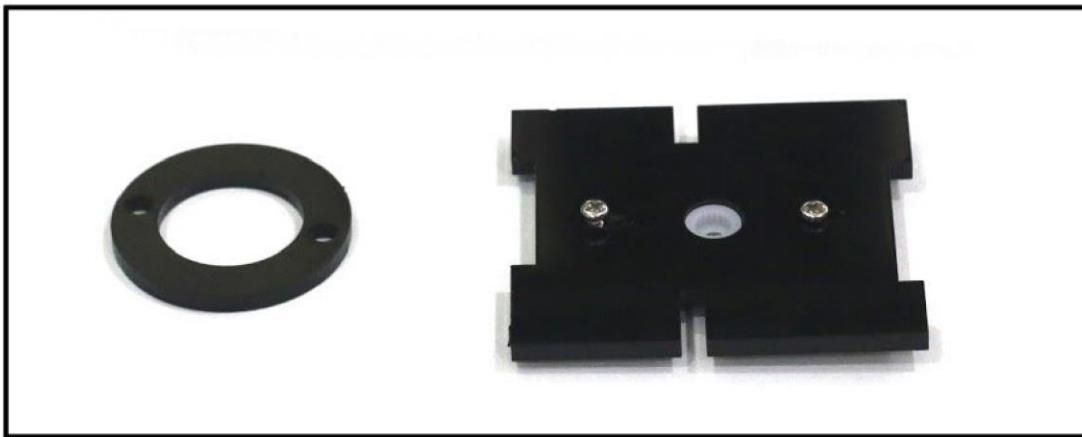
As hastes dos servos devem ser montadas de tal maneira que fiquem centralizadas. Caso o servo se movimente além do limite físico do braço robótico, o braço deve ser desmontado e ajustado de acordo. usar um testador de servos ou um programa Arduino para centralizar os servos.



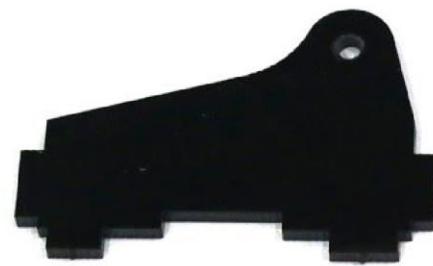
Braço Robótico com Arduino e Joystick



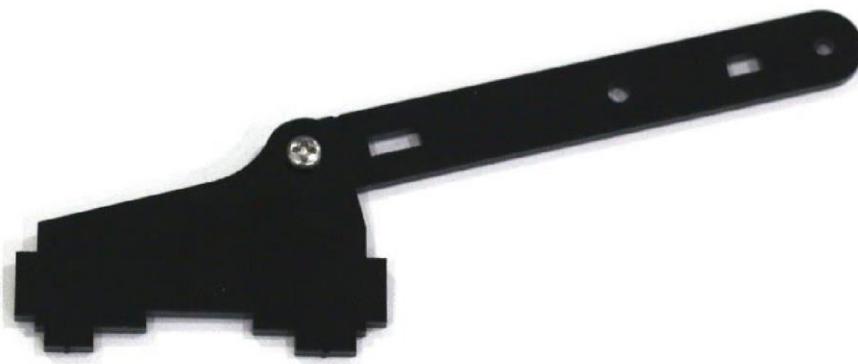
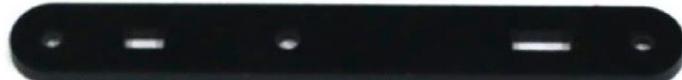
Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



**M3x6
1pc**



Braço Robótico com Arduino e Joystick



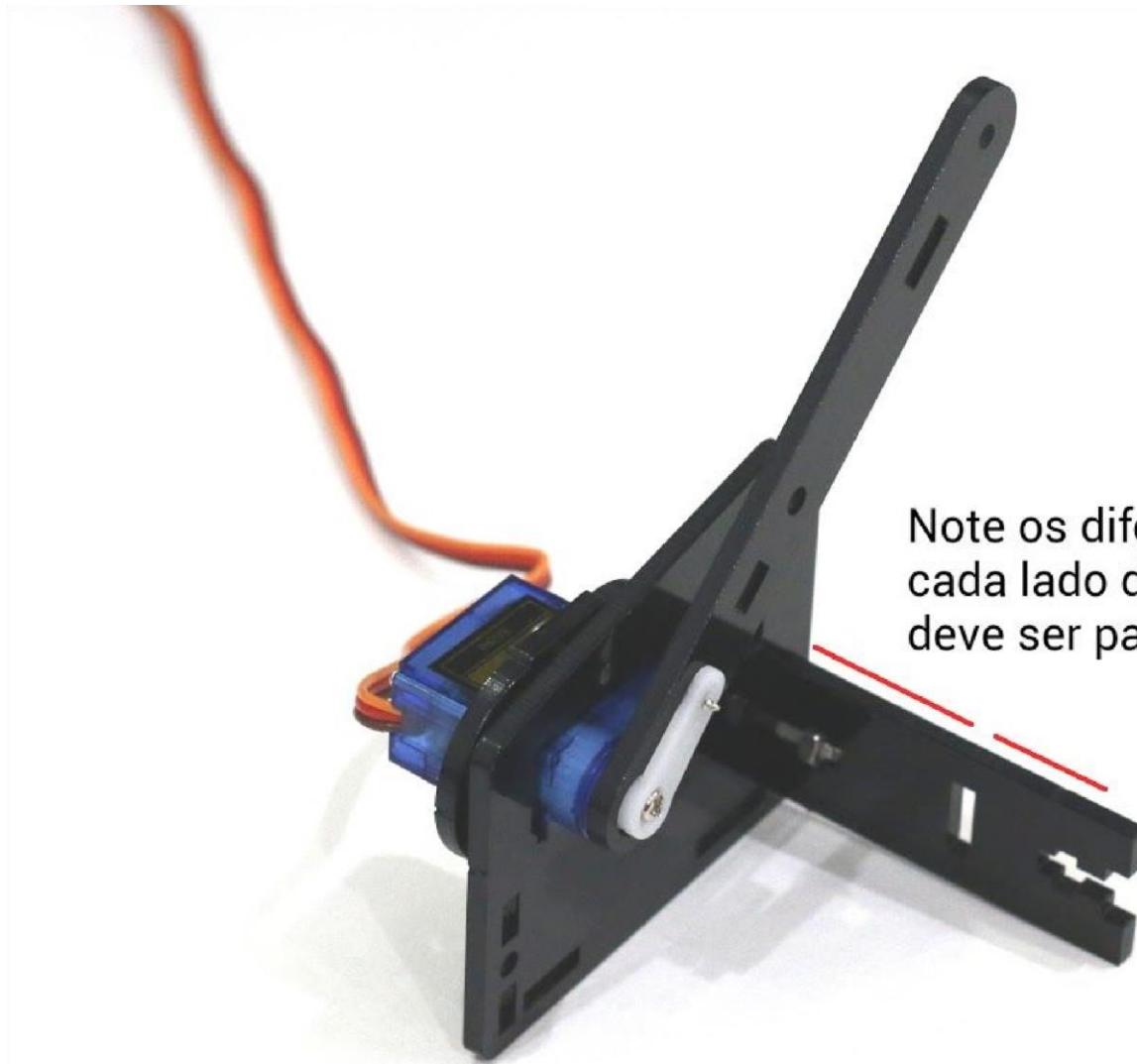
M3x10

● Porca M3



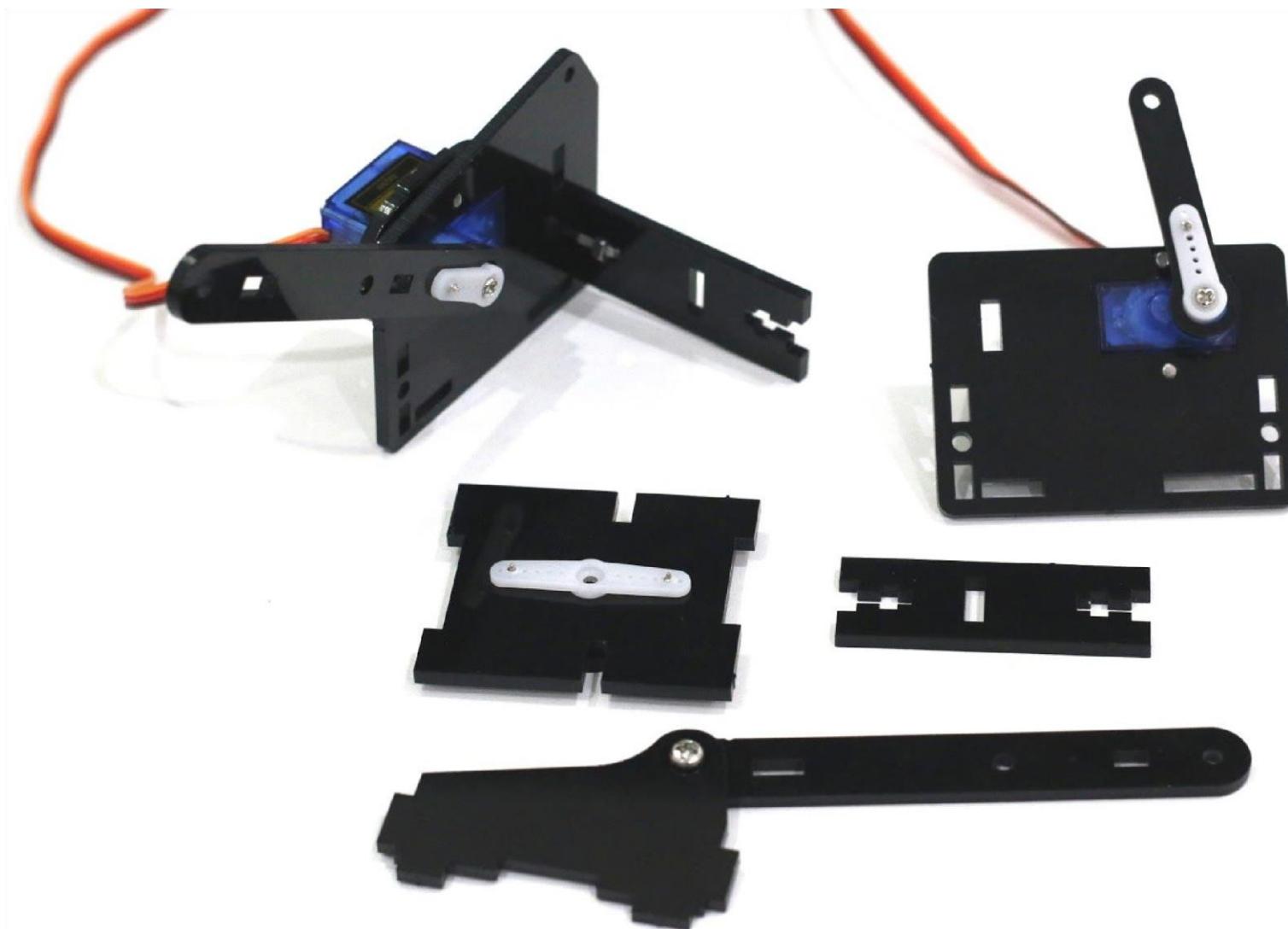
Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick

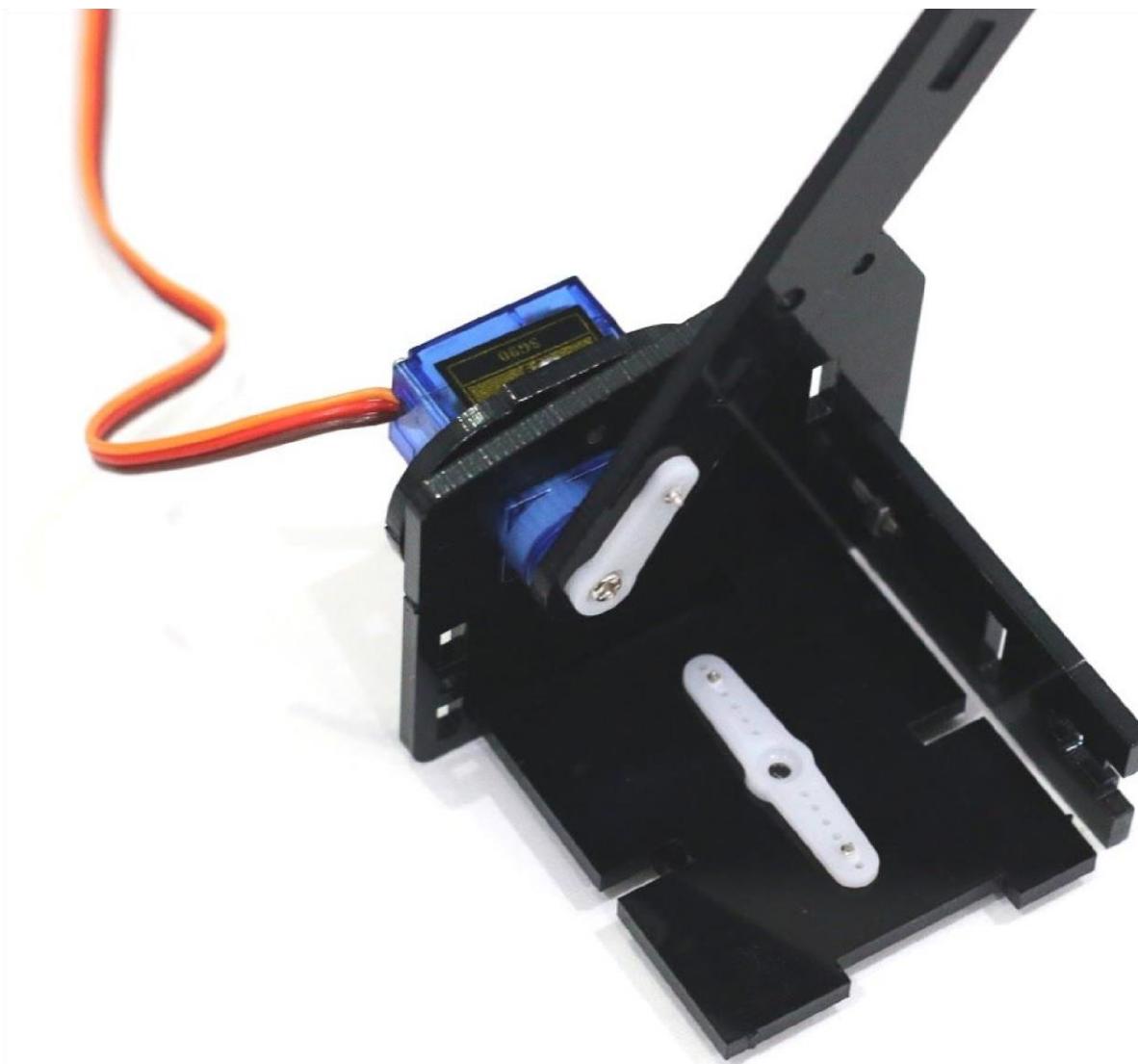


Note os diferentes tamanhos de cada lado da peça. O lado maior deve ser parafusado primeiro.

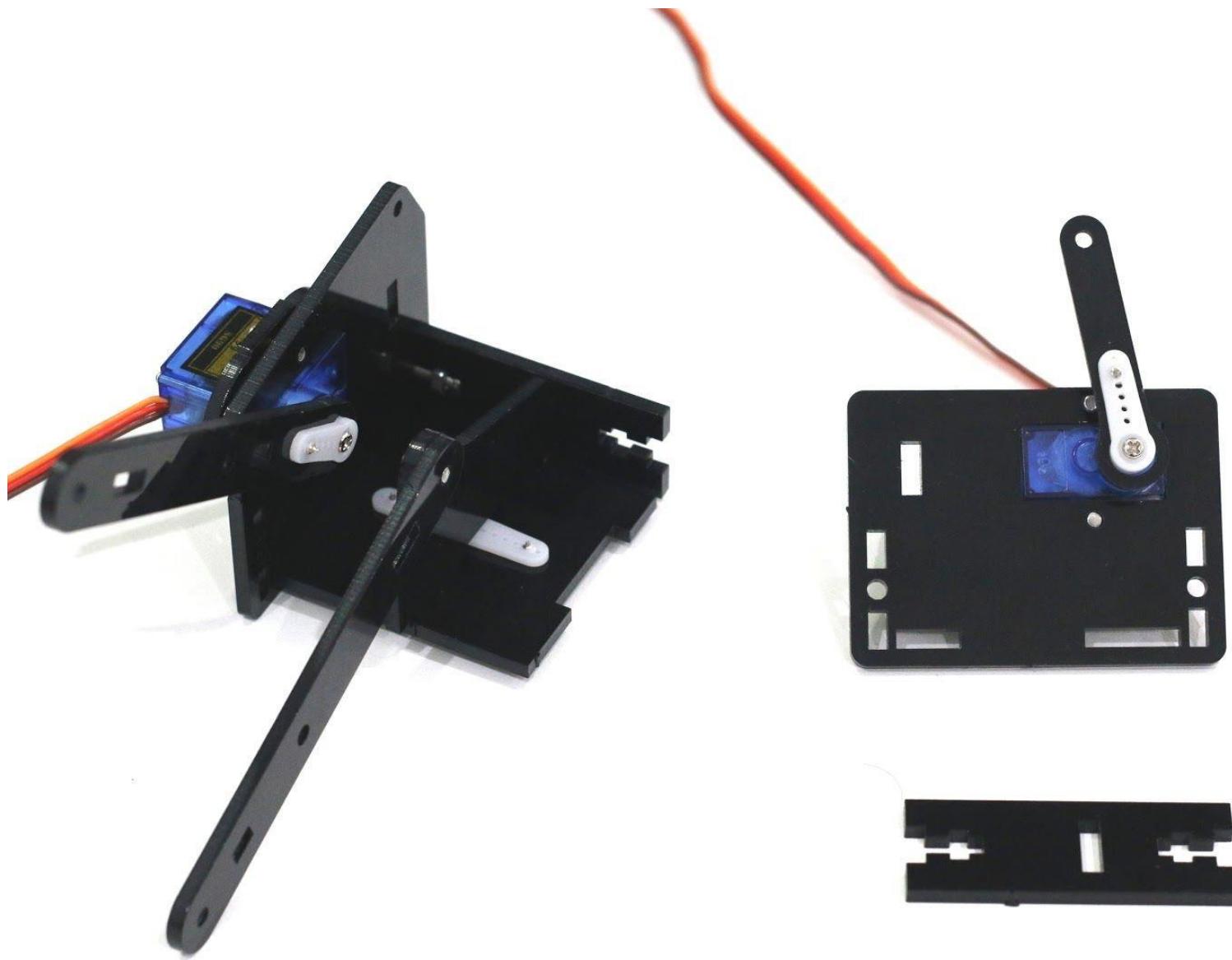
Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick

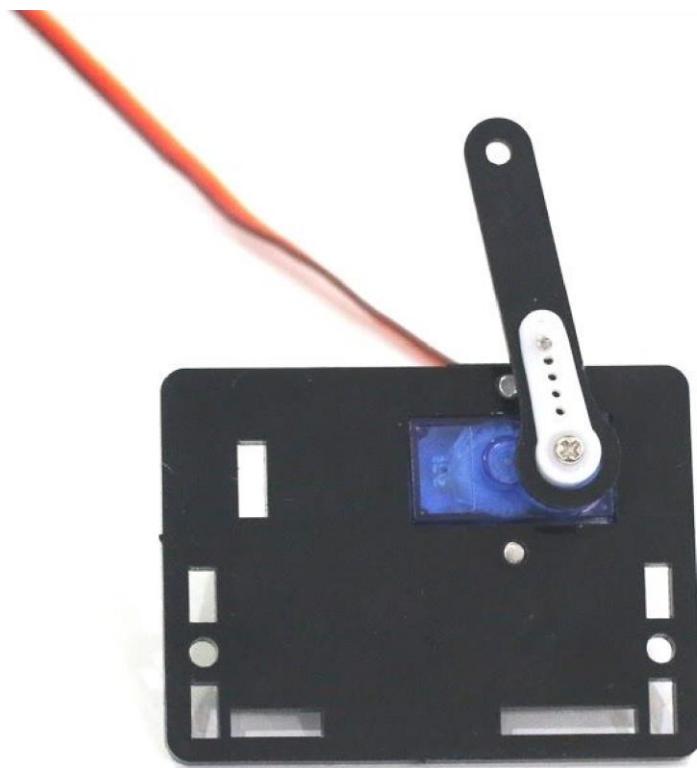


Braço Robótico com Arduino e Joystick

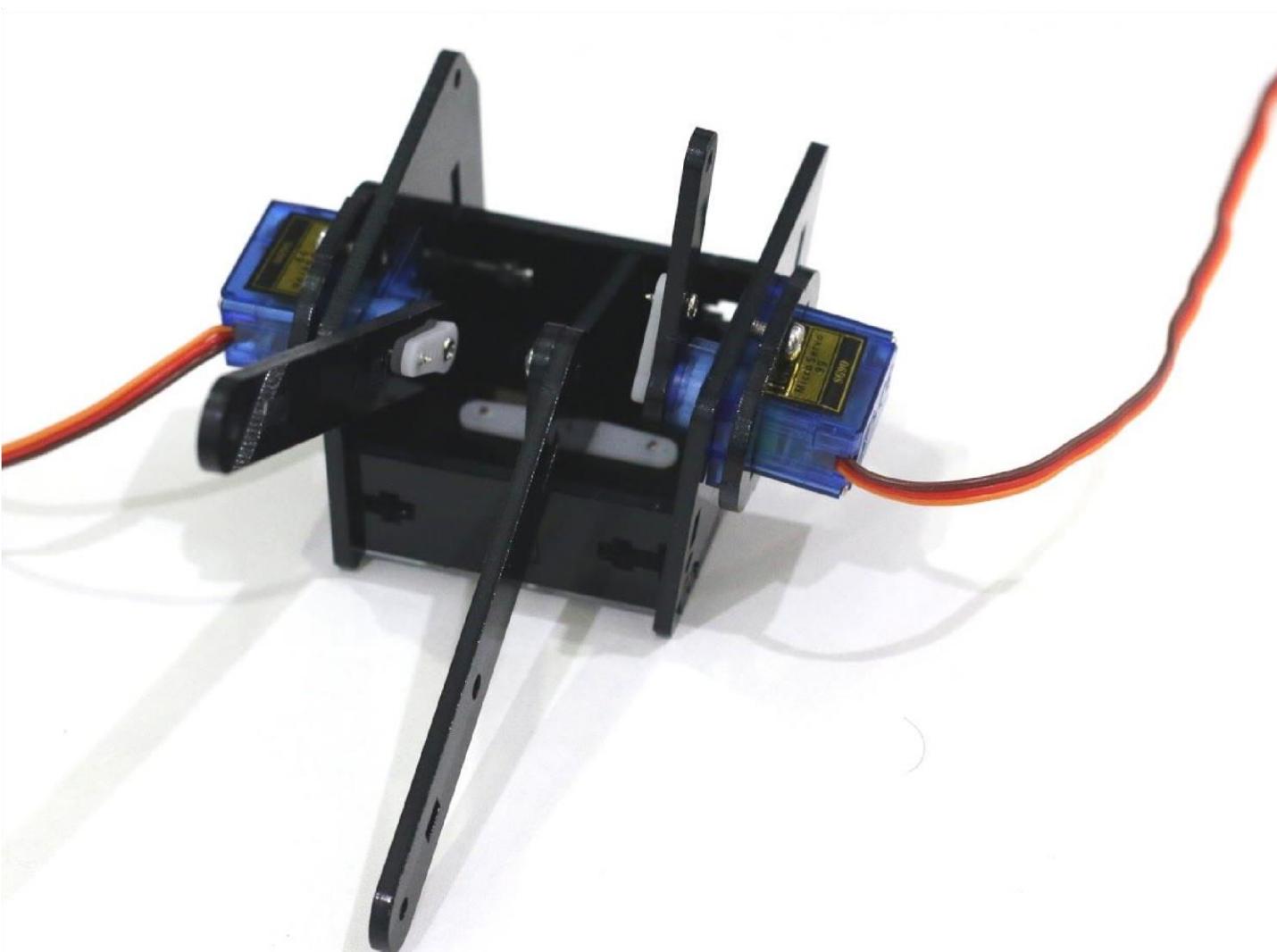


Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick

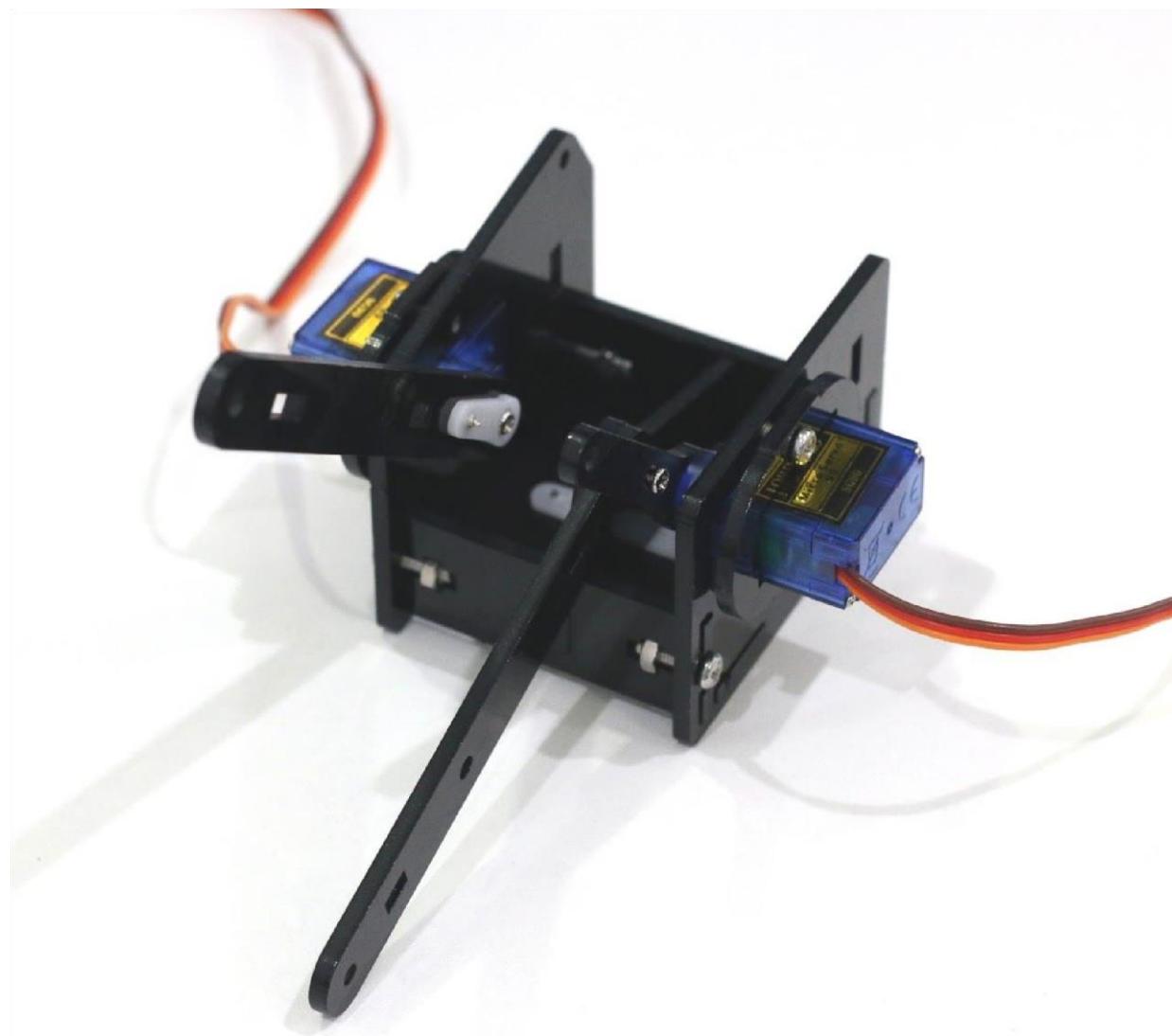


Braço Robótico com Arduino e Joystick



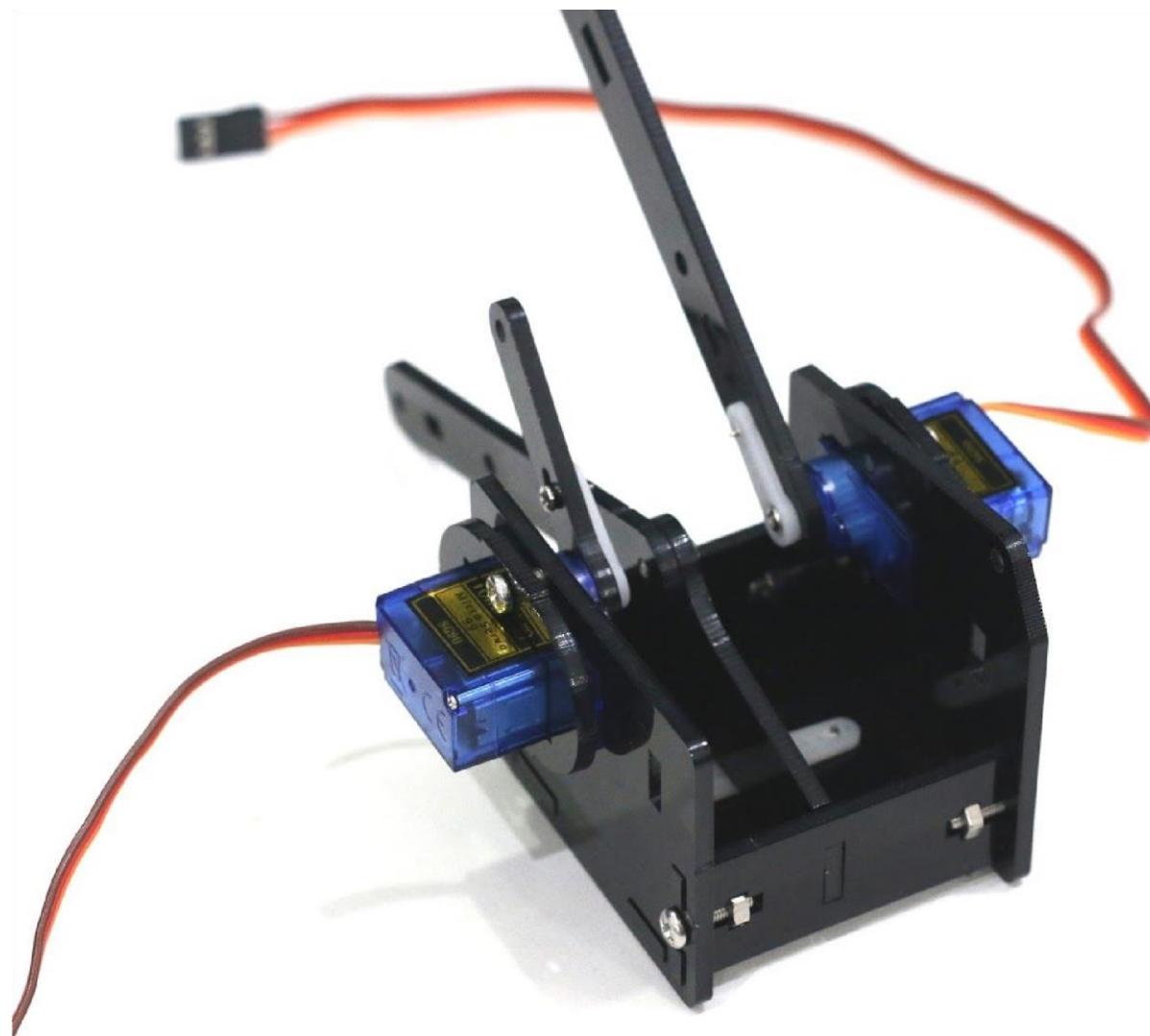
Braço Robótico com Arduino e Joystick

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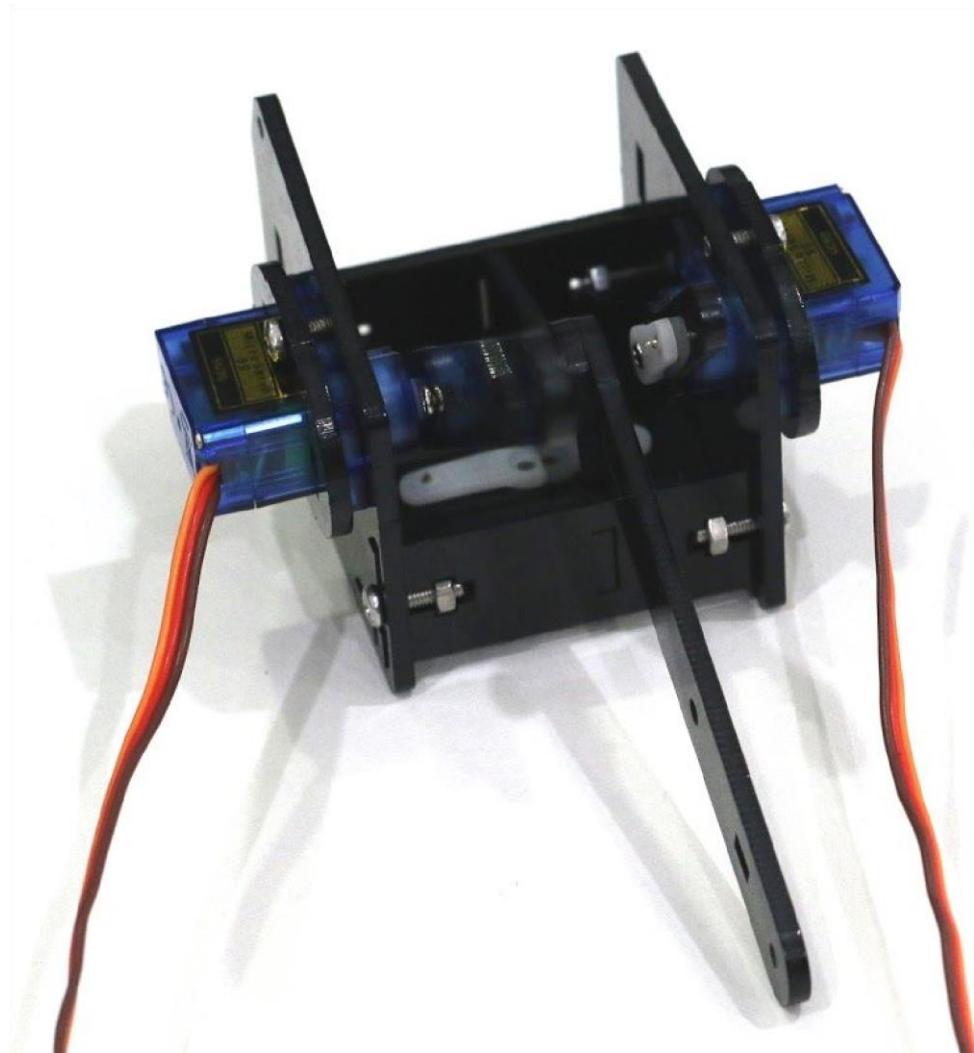
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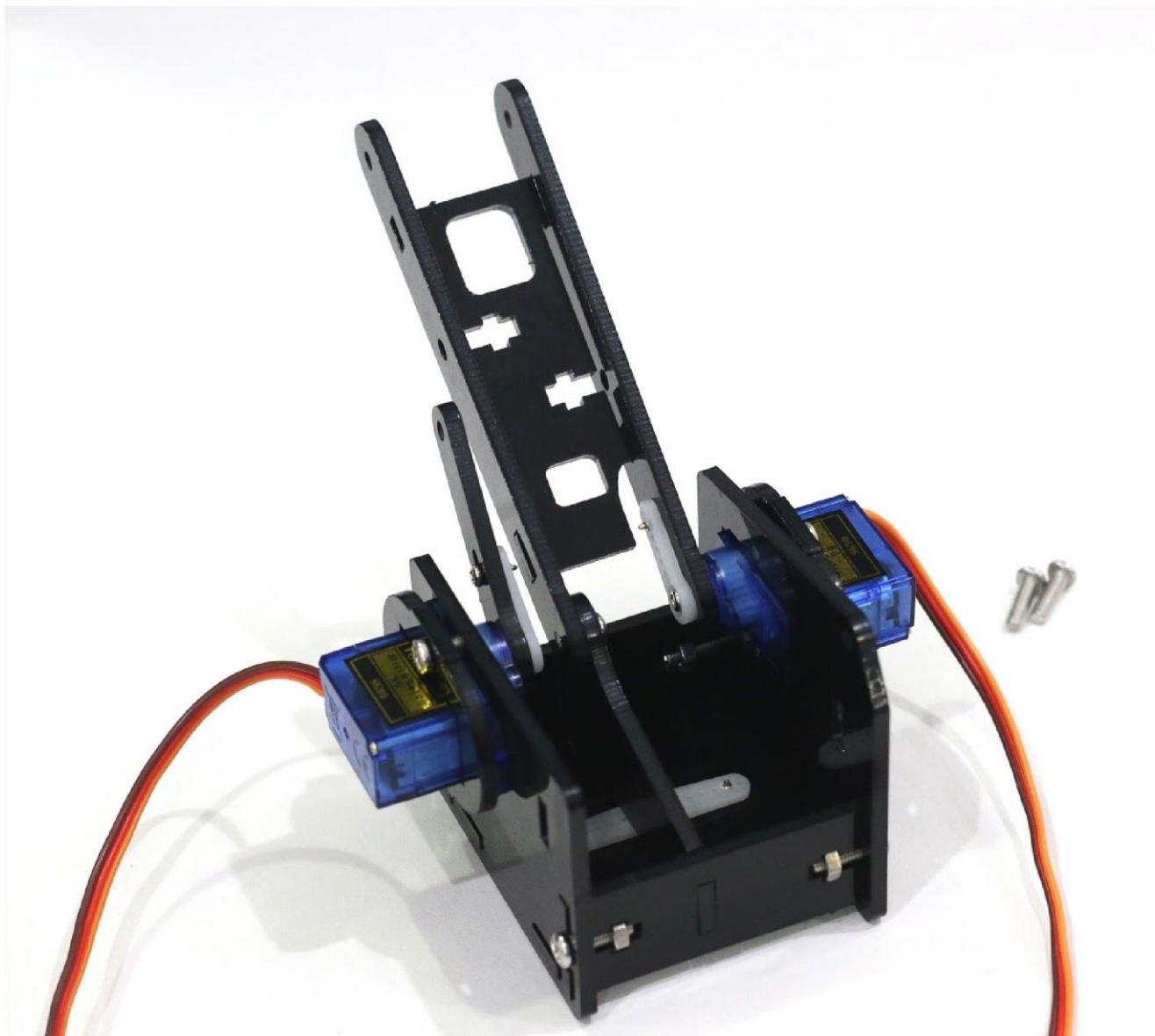
Braço Robótico com Arduino e Joystick



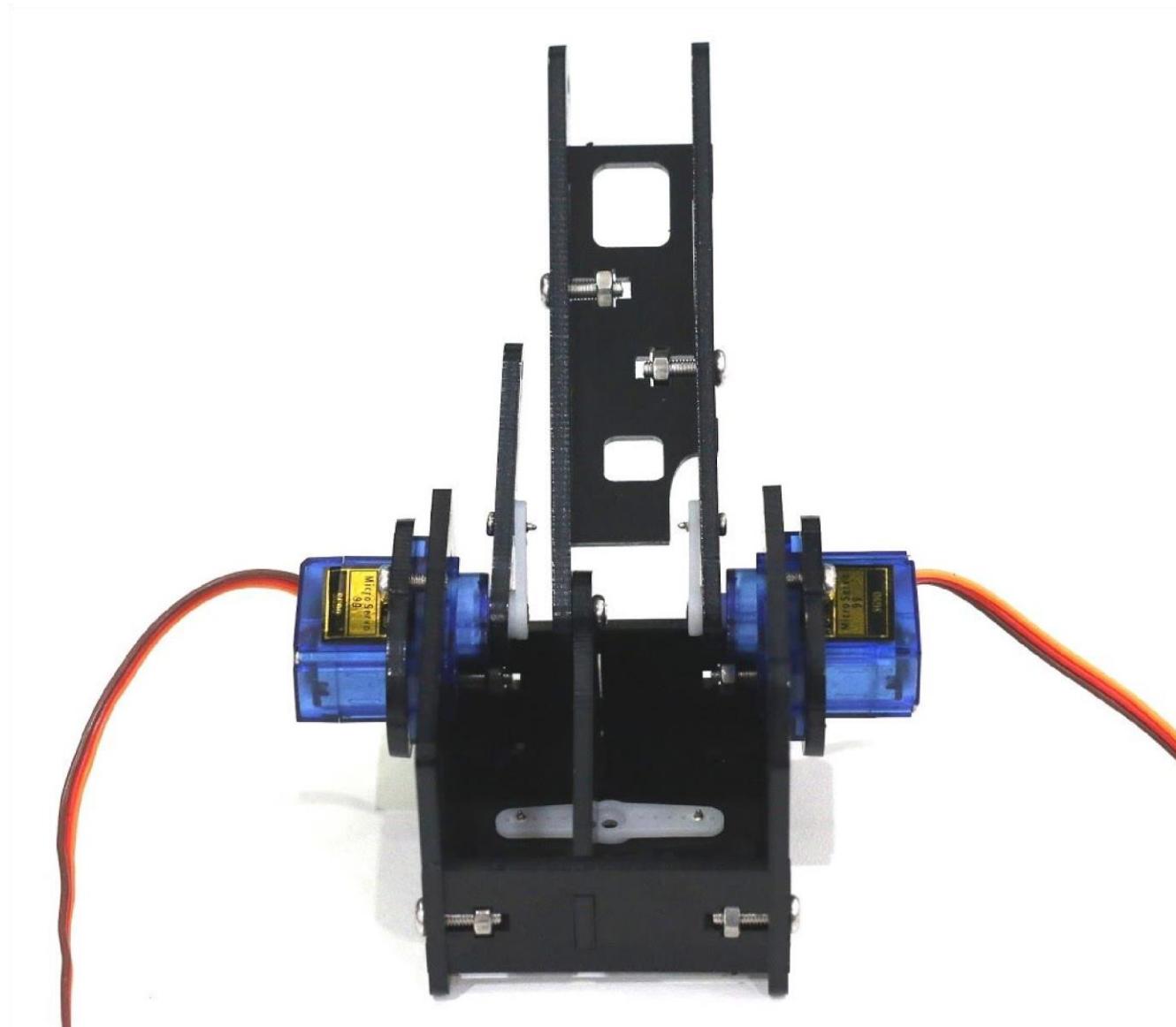
Porca M3 M3x10
2pcs 2pcs



Braço Robótico com Arduino e Joystick



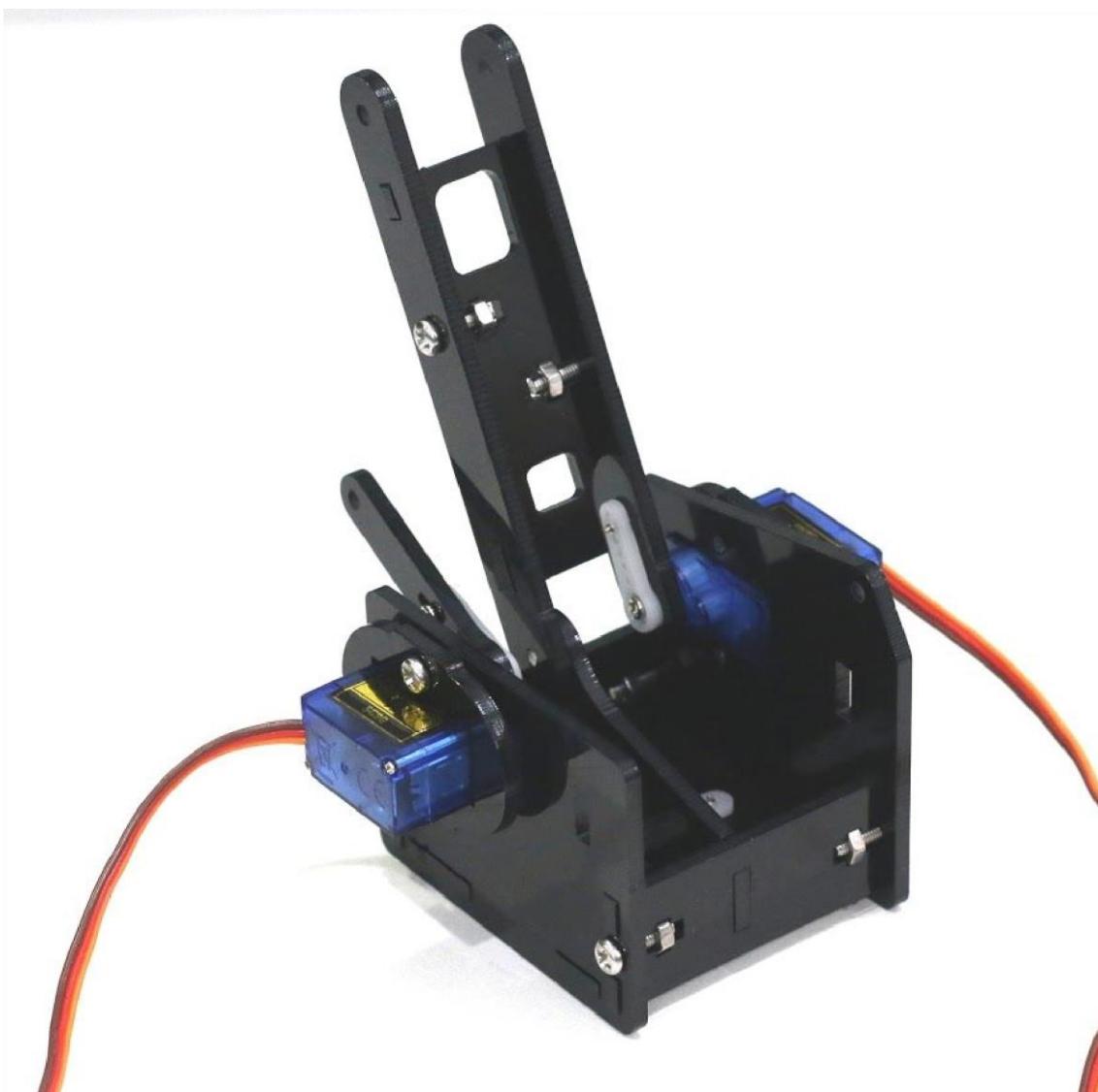
Braço Robótico com Arduino e Joystick



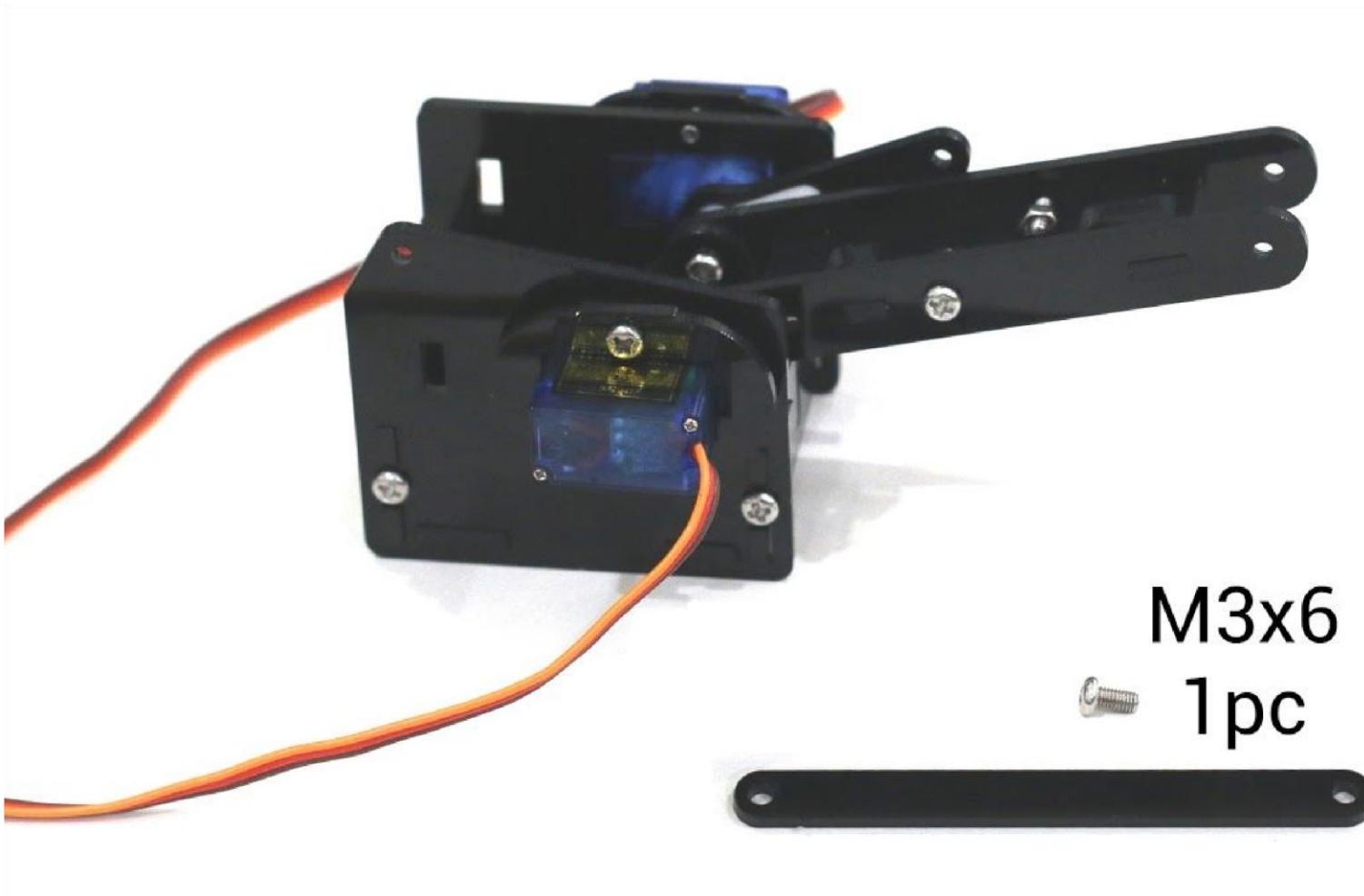


Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick



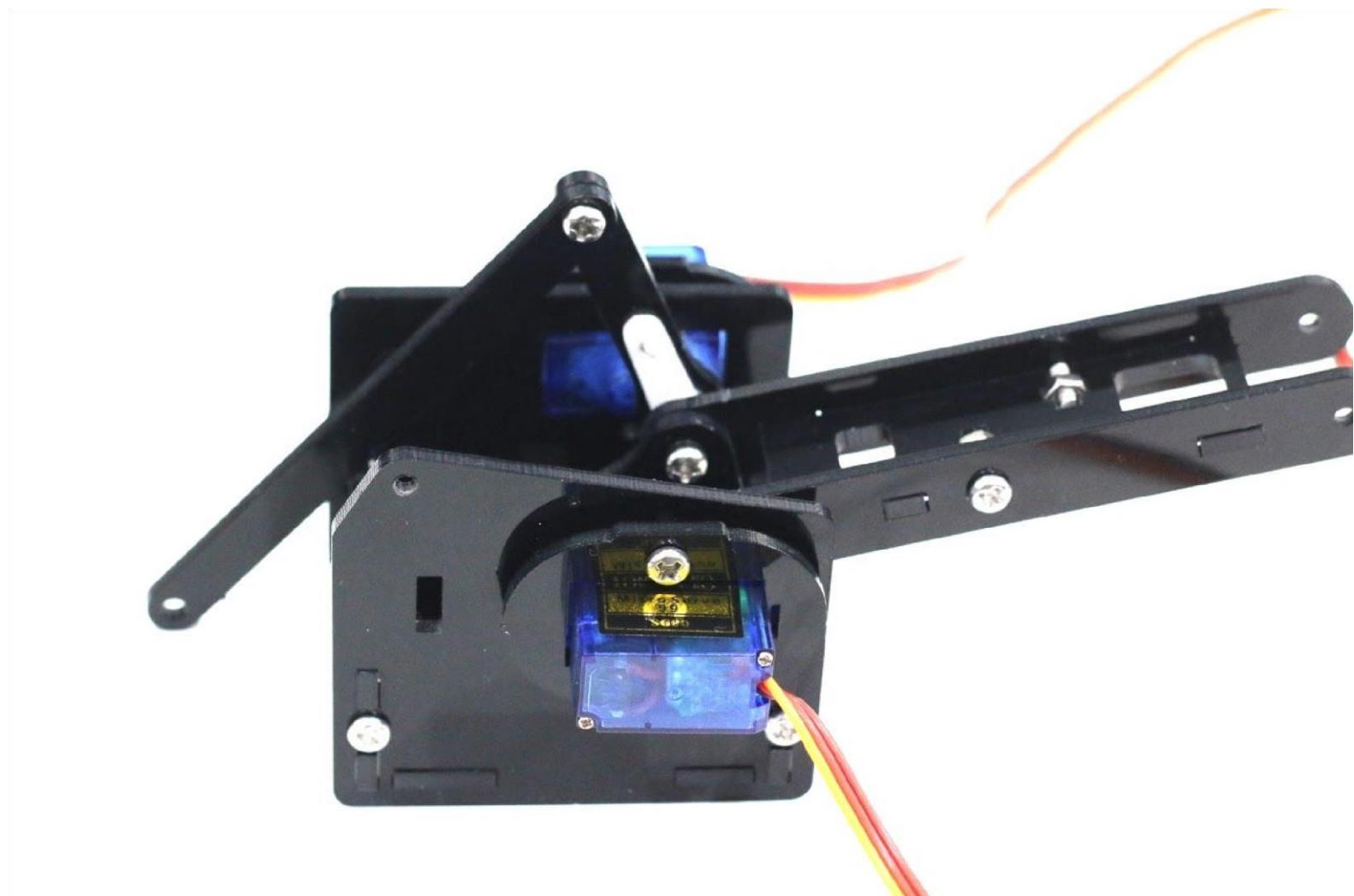
Braço Robótico com Arduino e Joystick



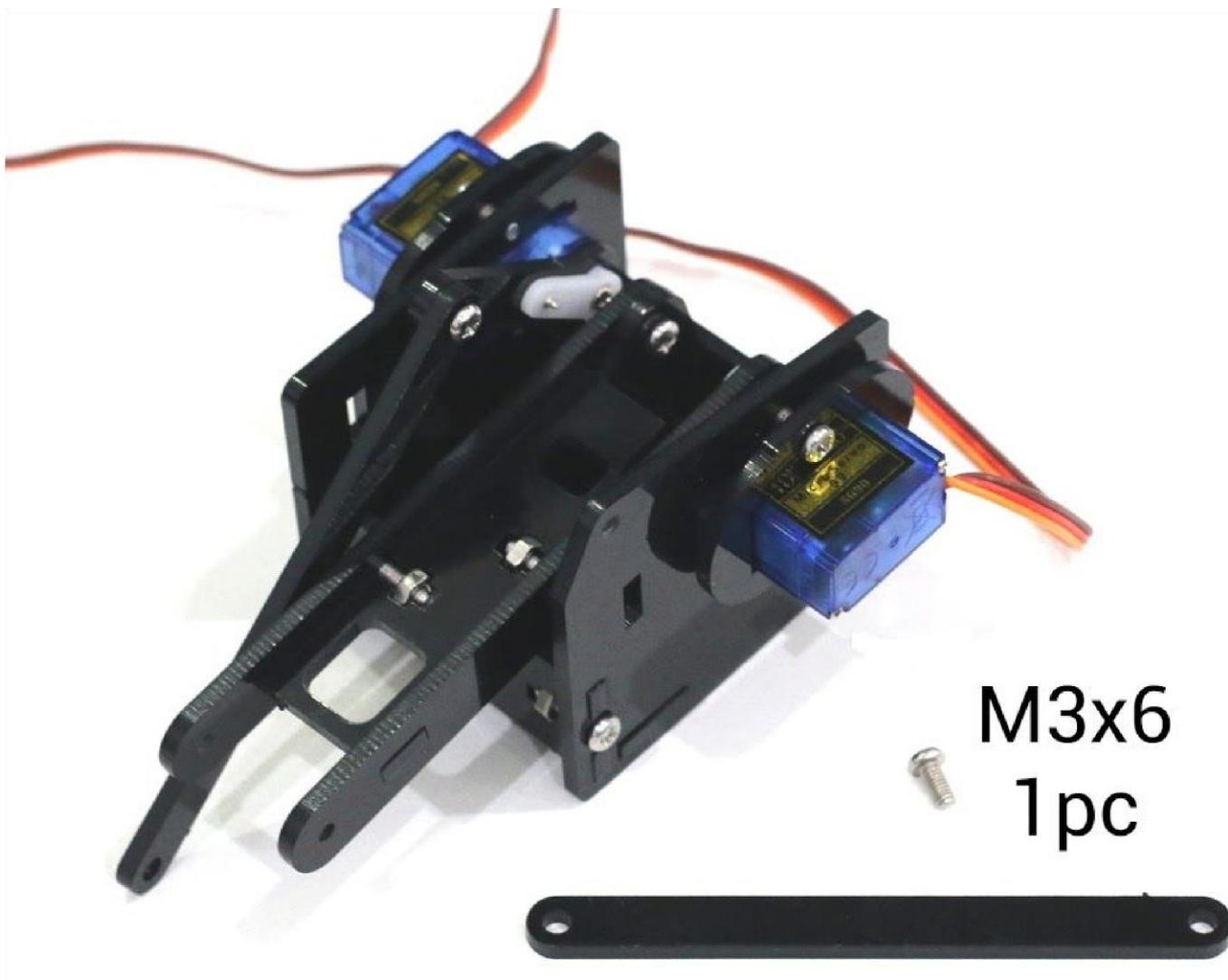
M3x6
1pc

Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick



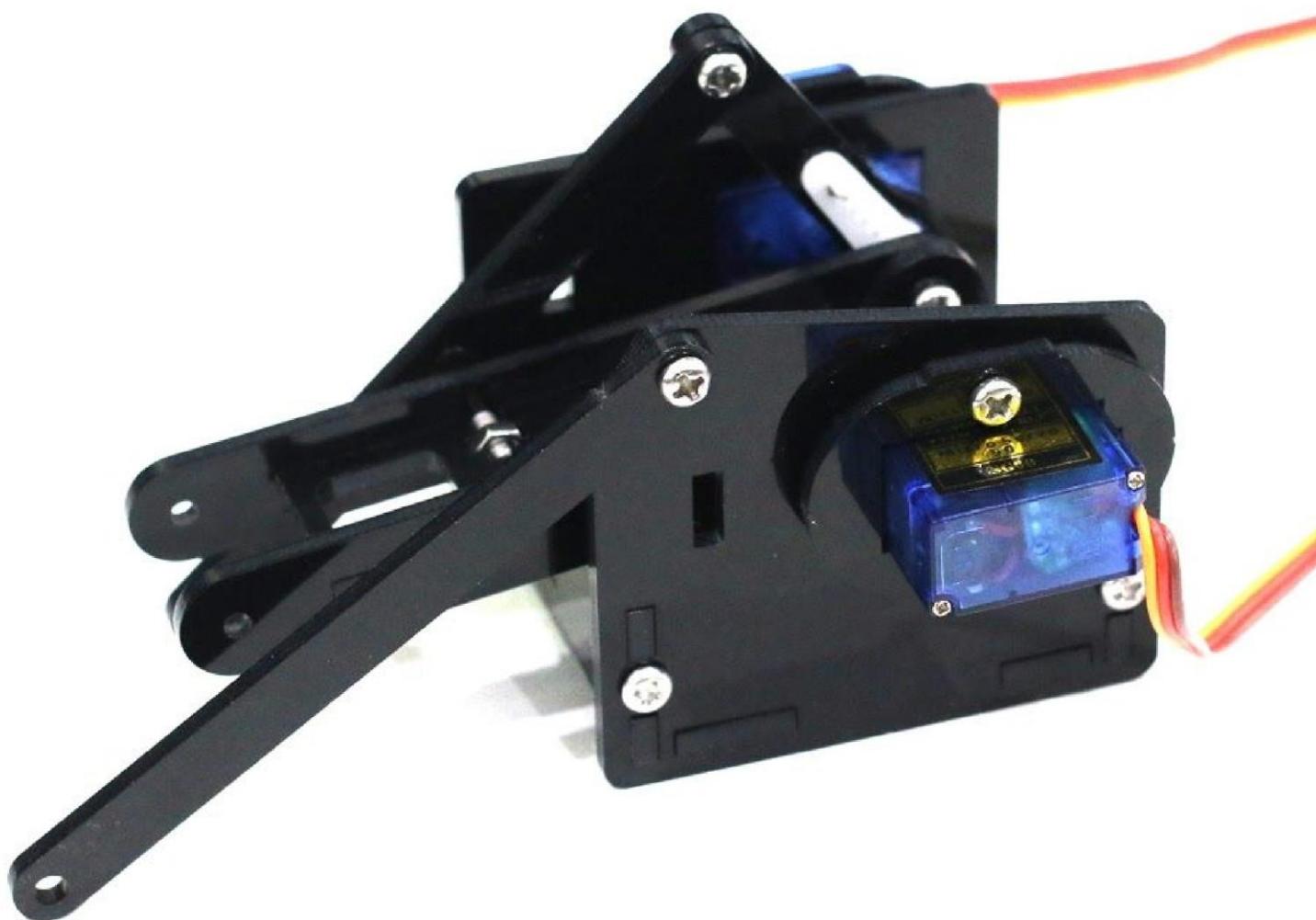
Braço Robótico com Arduino e Joystick





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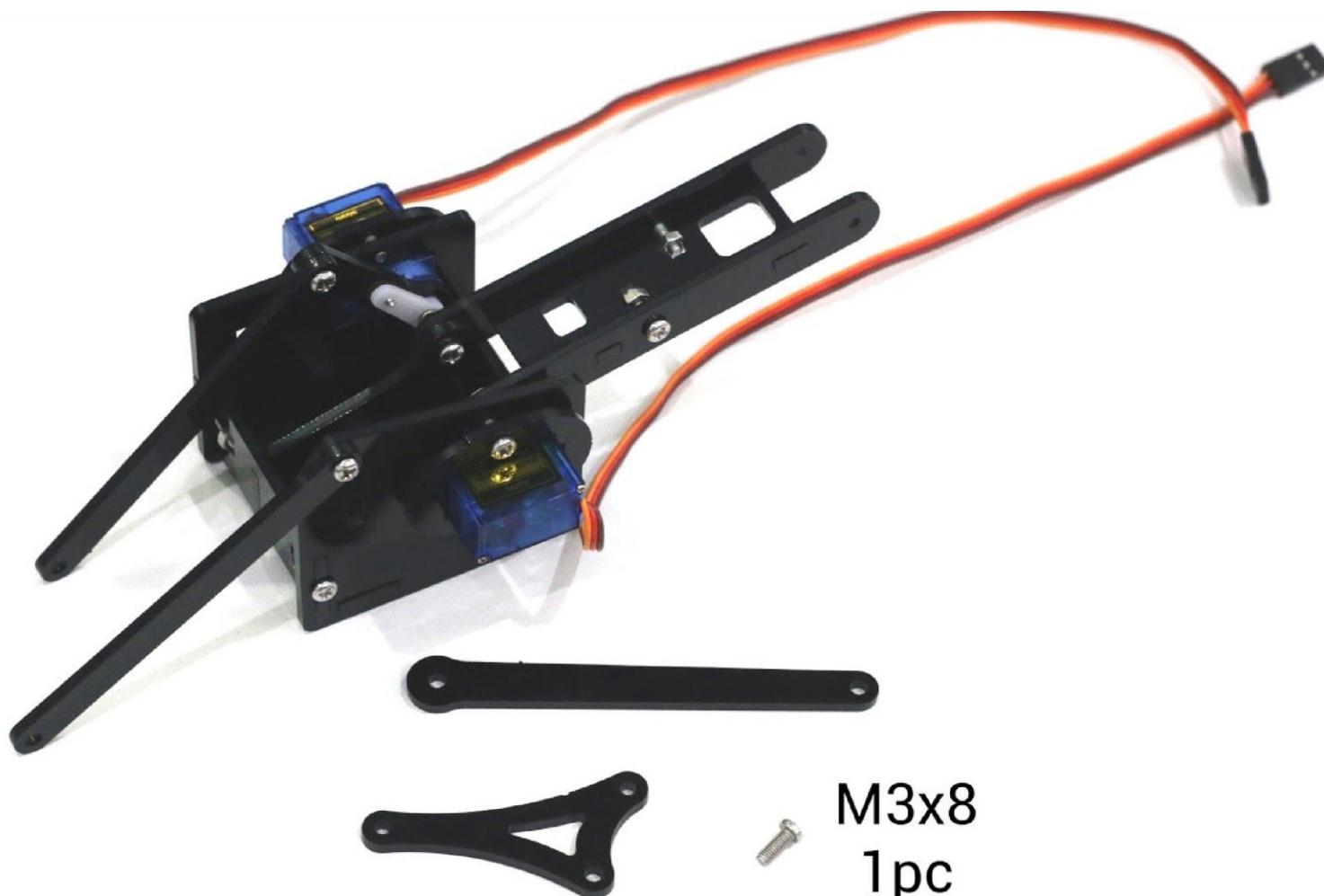
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Braço Robótico com Arduino e Joystick

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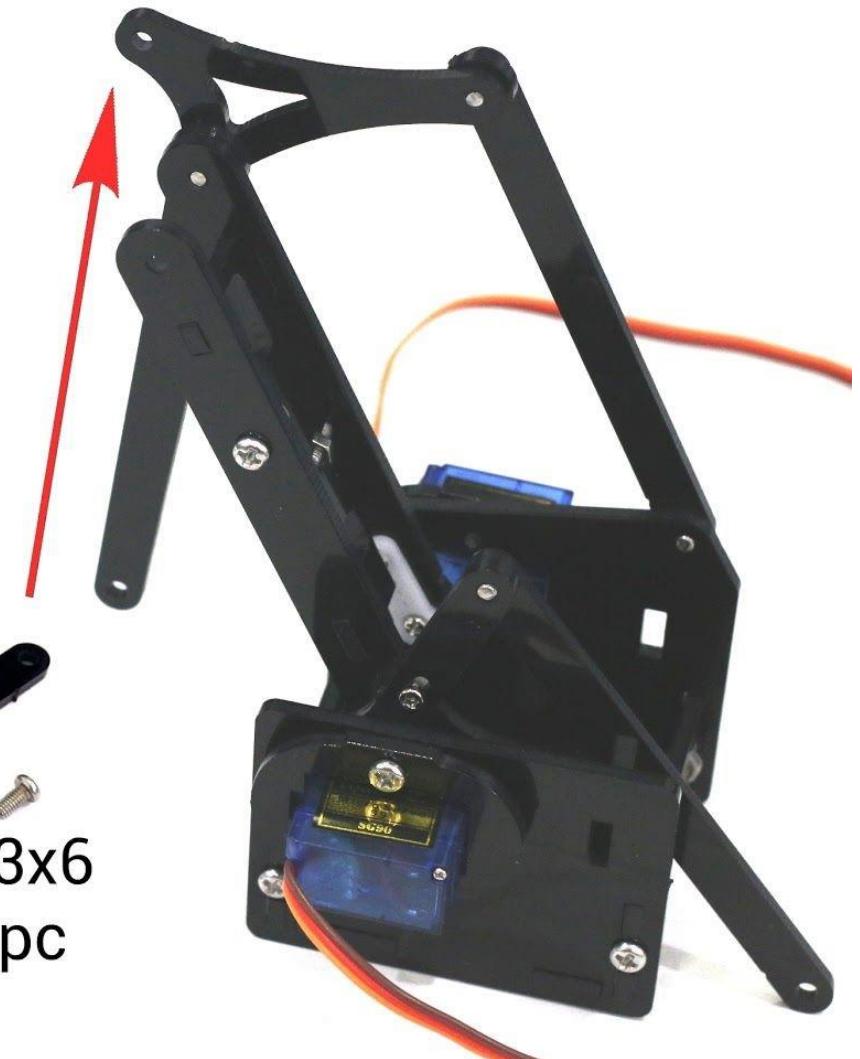
M3x8
1pc



Braço Robótico com Arduino e Joystick



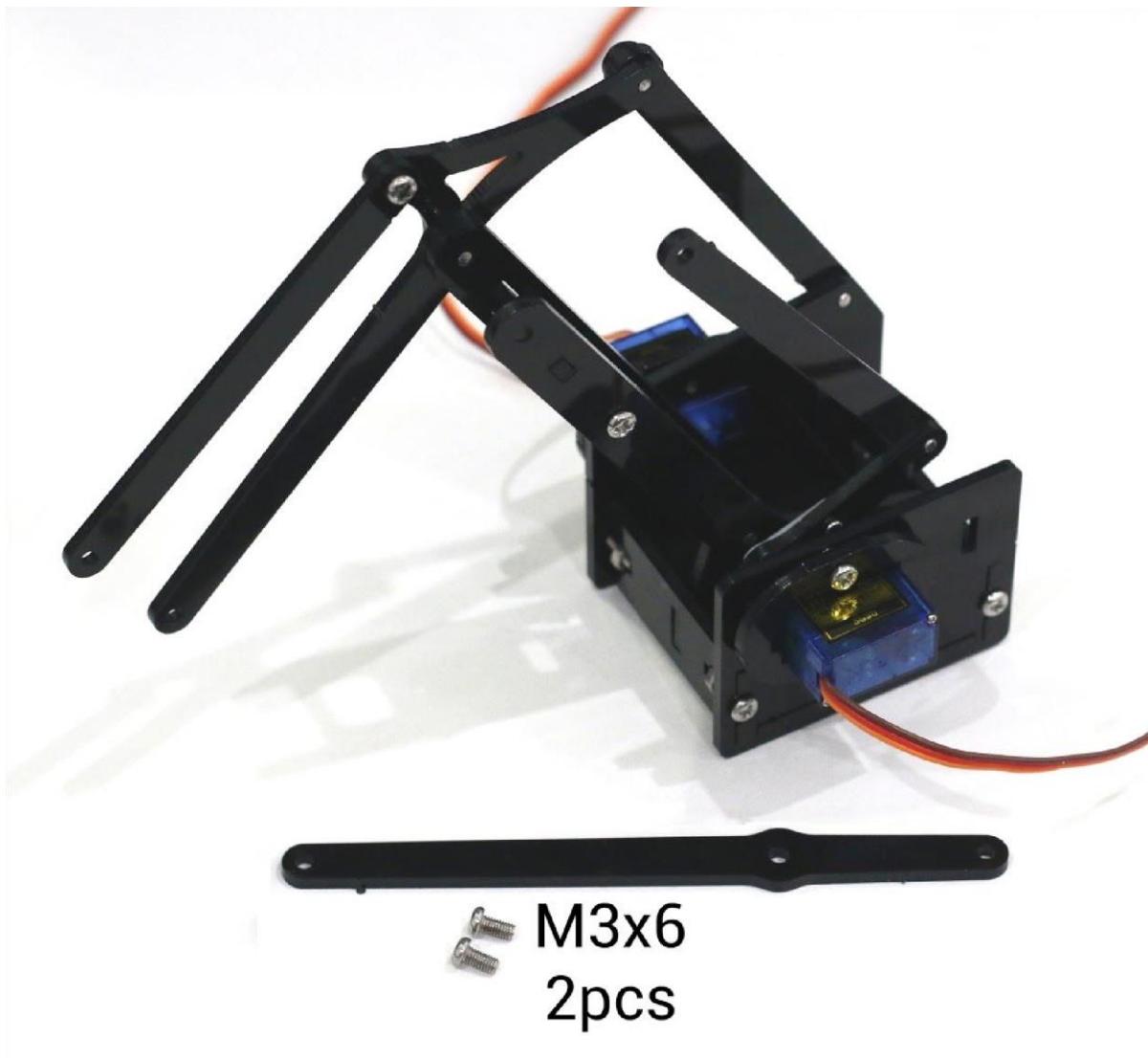
Braço Robótico com Arduino e Joystick



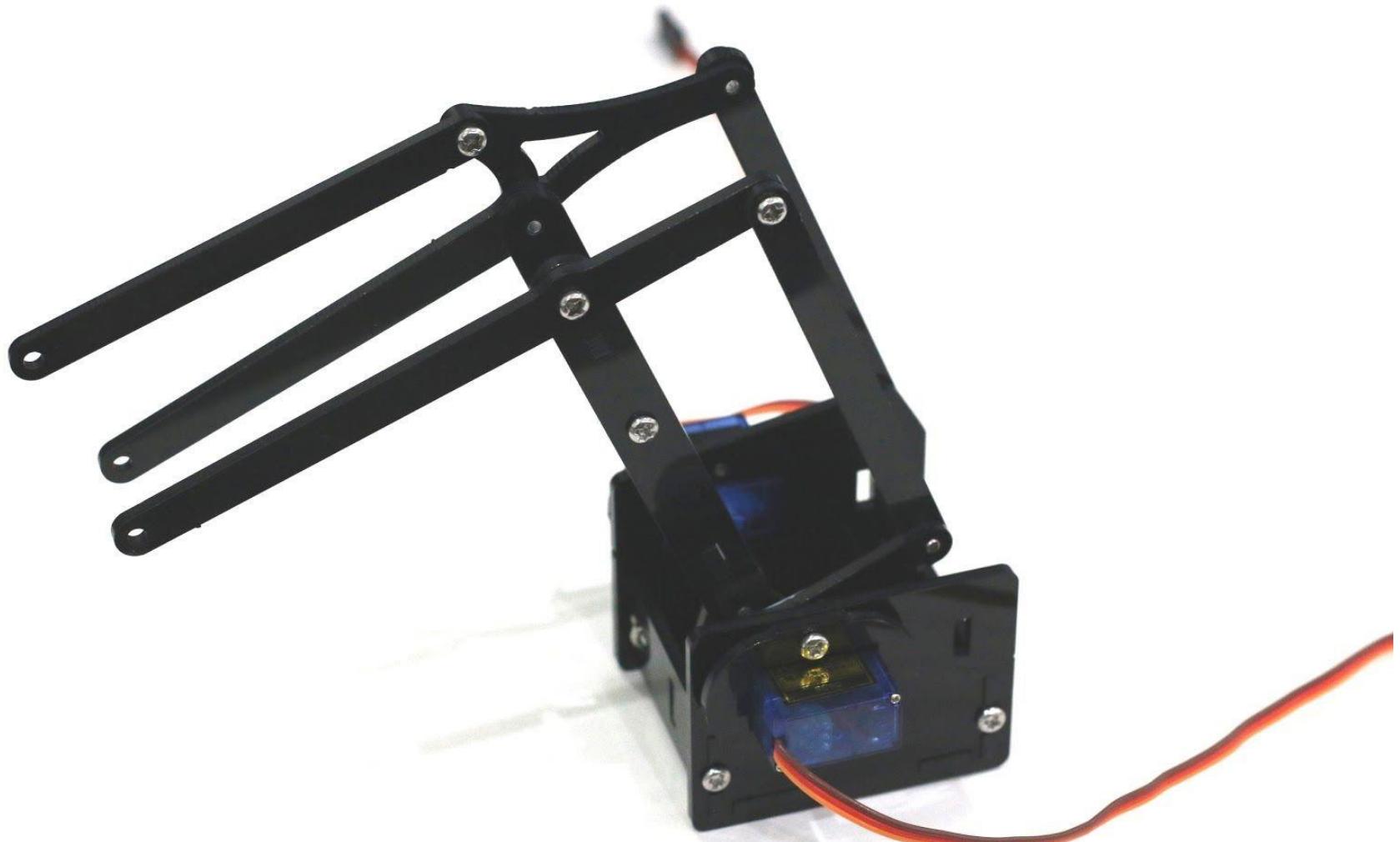
M3x6
1pc

Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



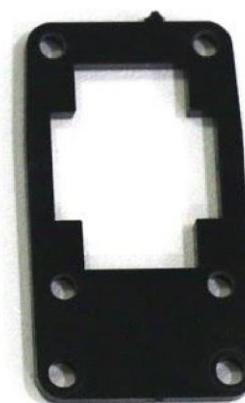
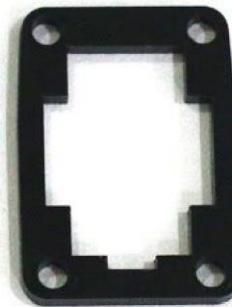


Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick



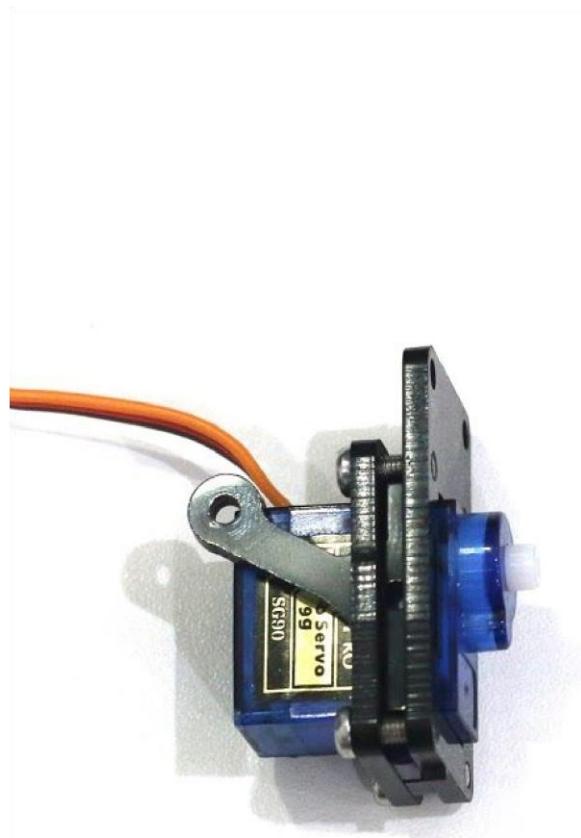
**M3x8
4pcs**



Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



**M3x8
2pcs**

Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick



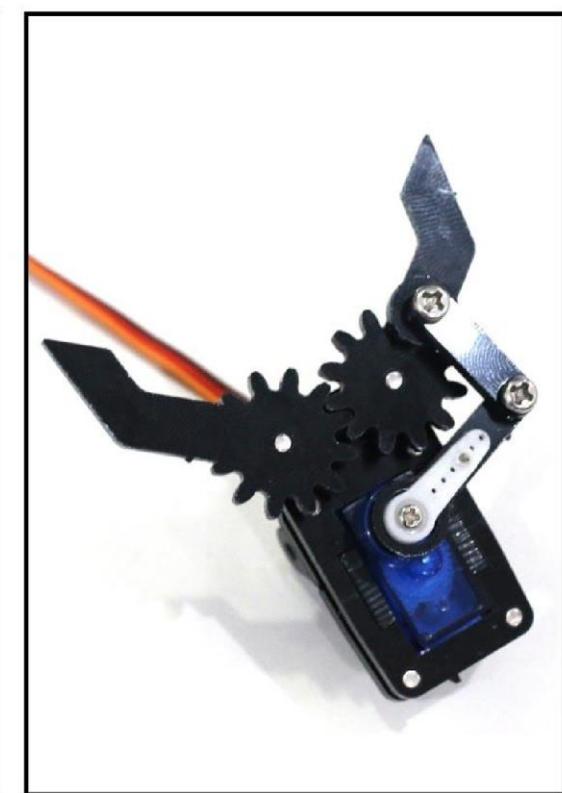
Braço Robótico com Arduino e Joystick

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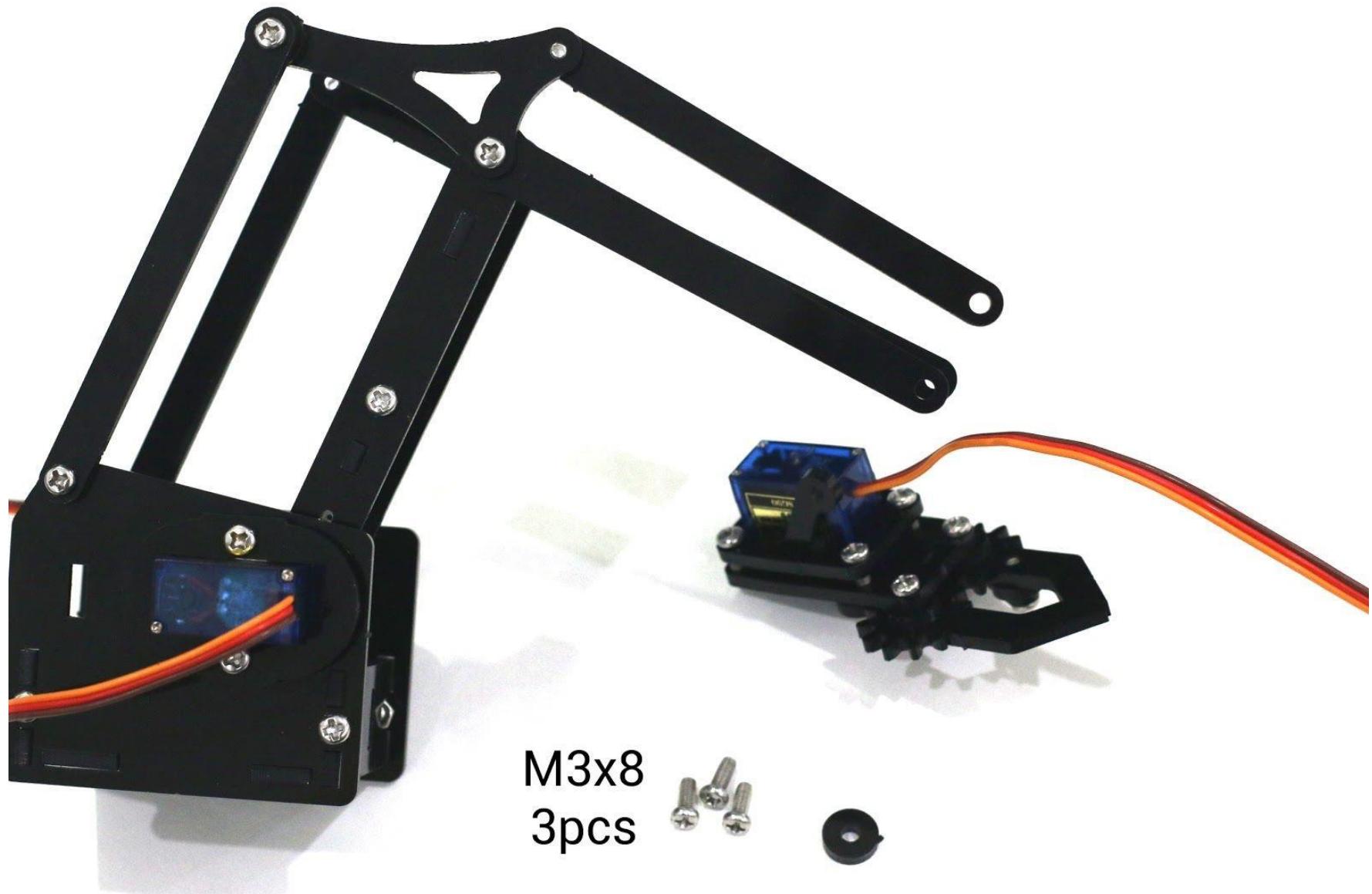
M2x5
1pc



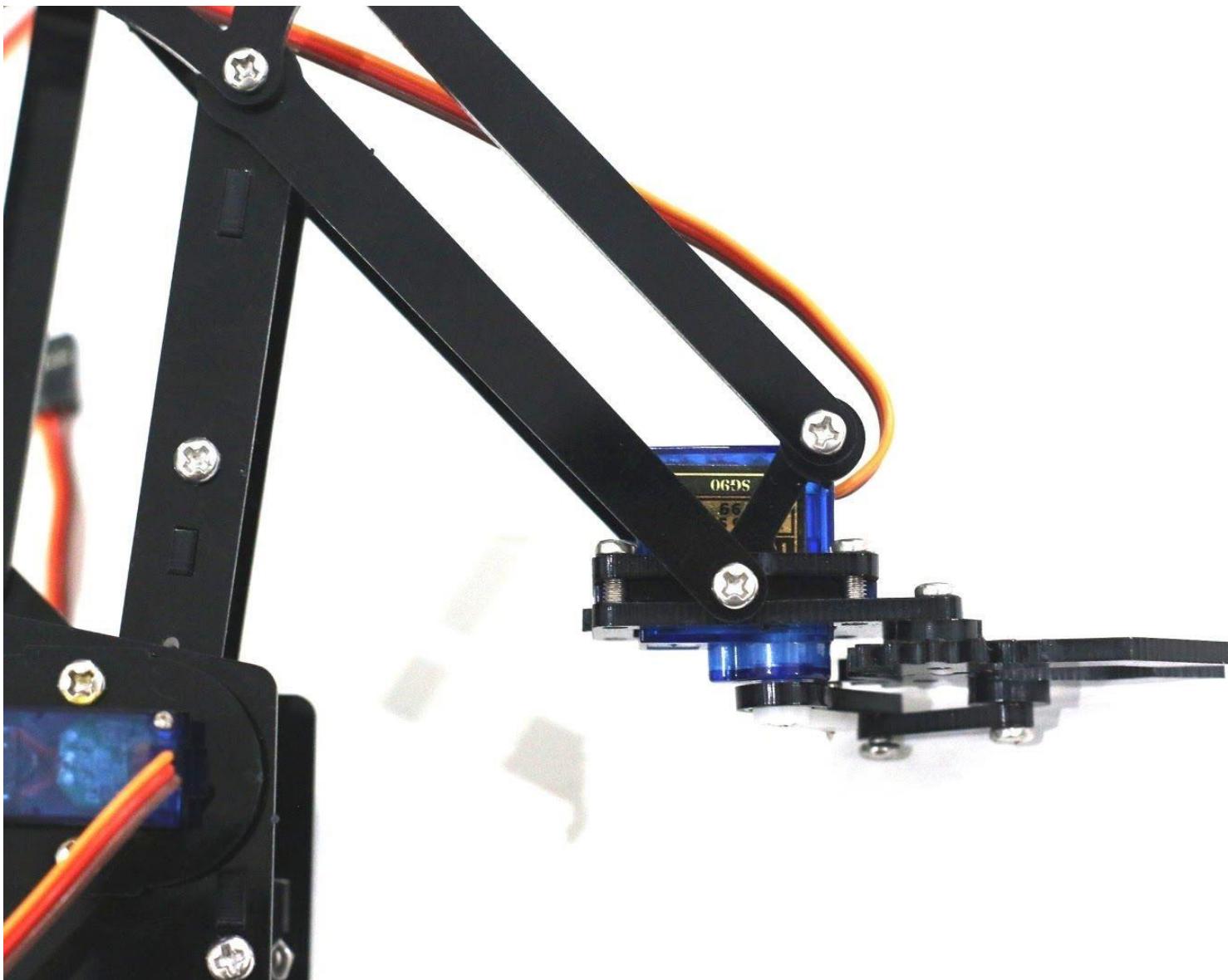
Braço Robótico com Arduino e Joystick



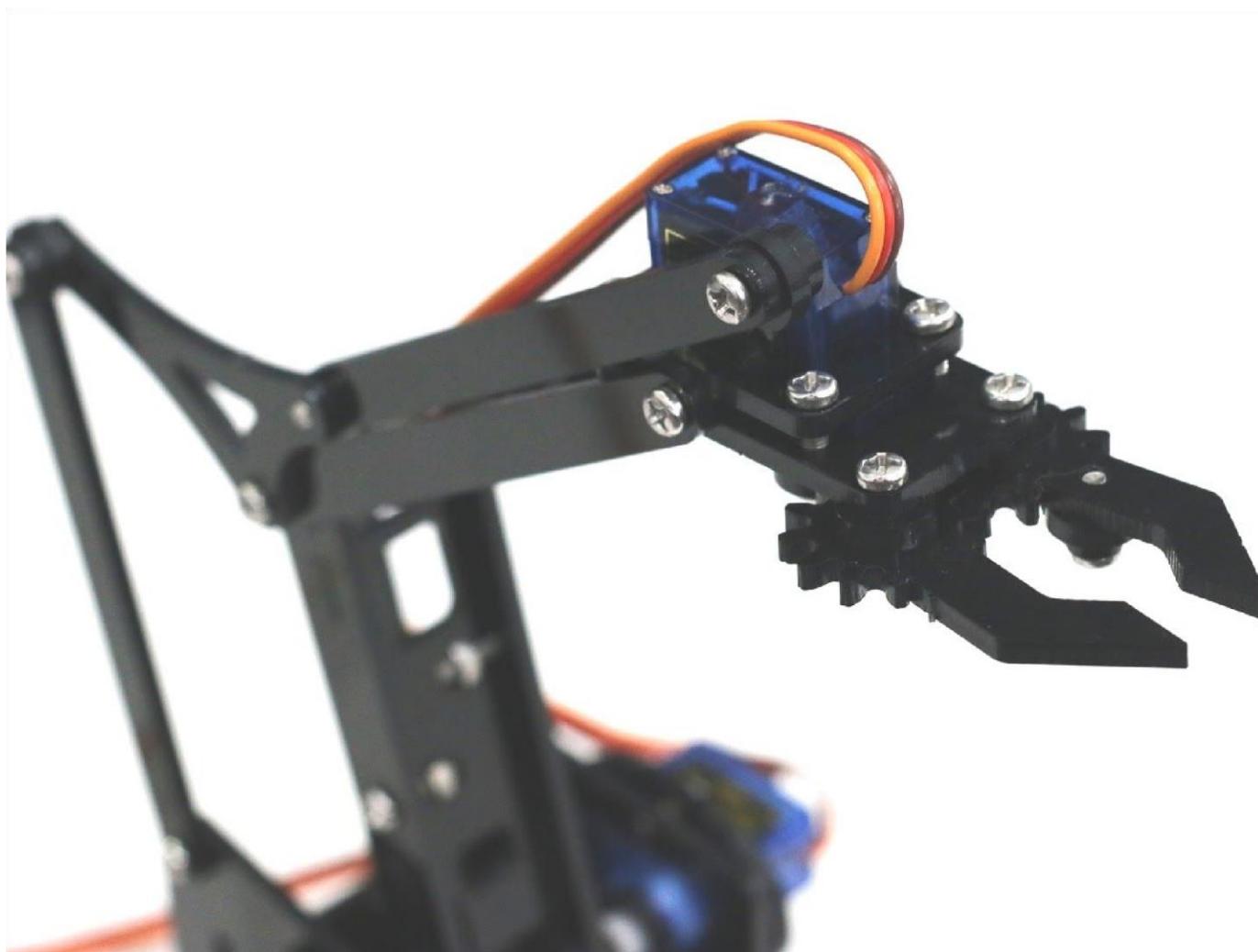
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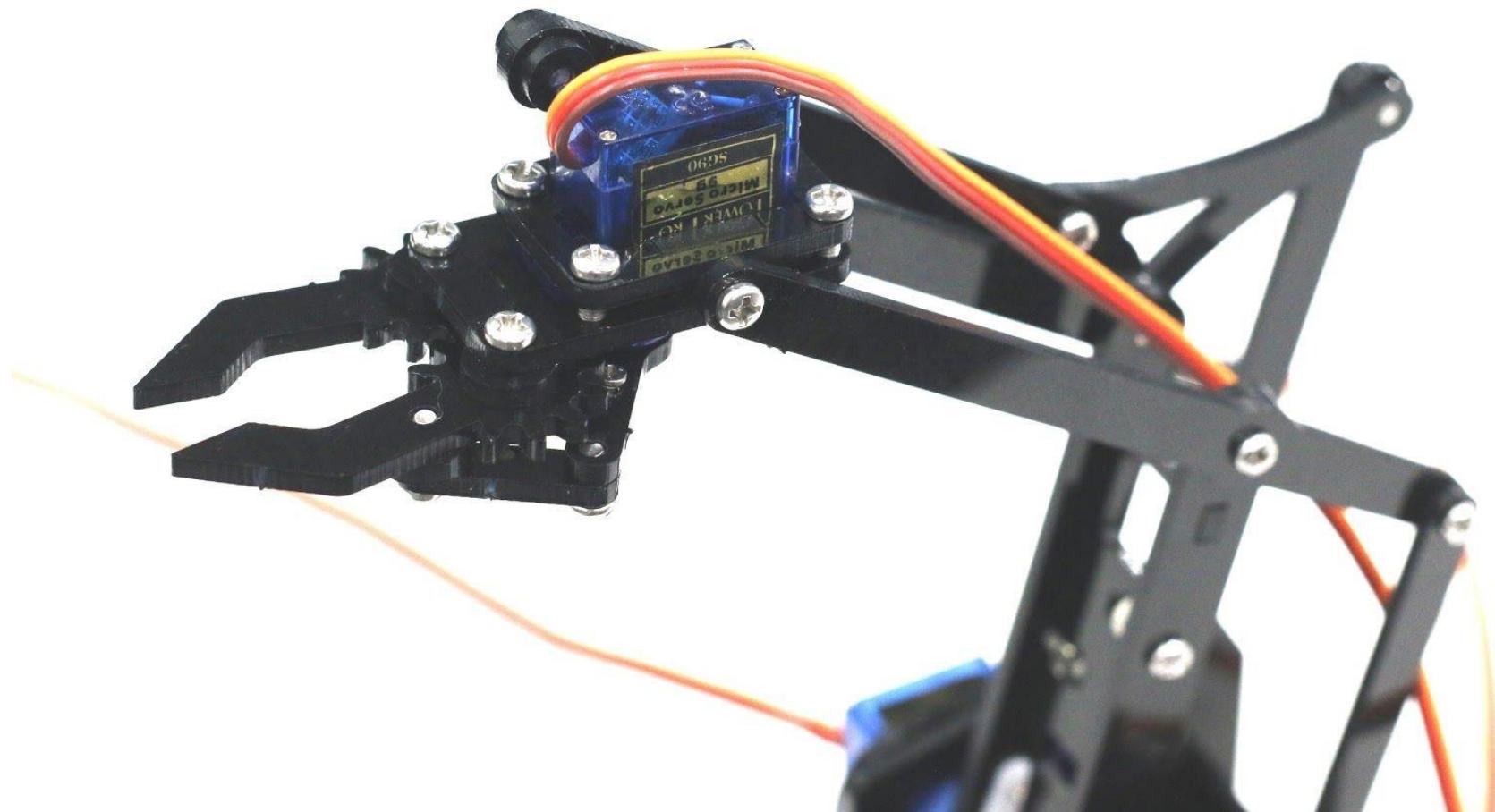
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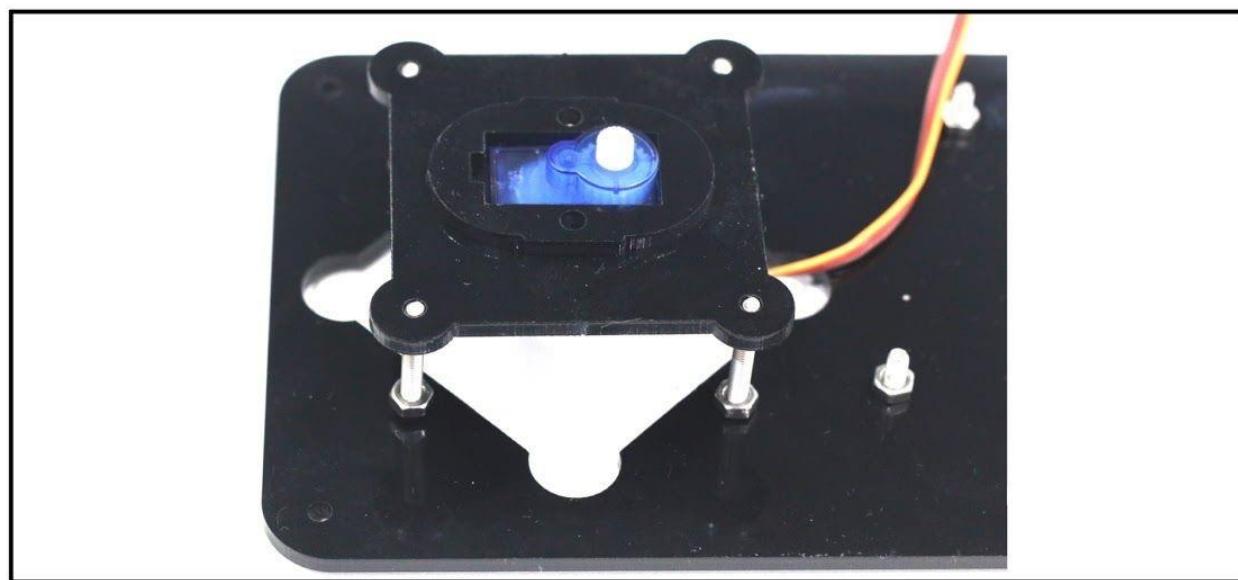
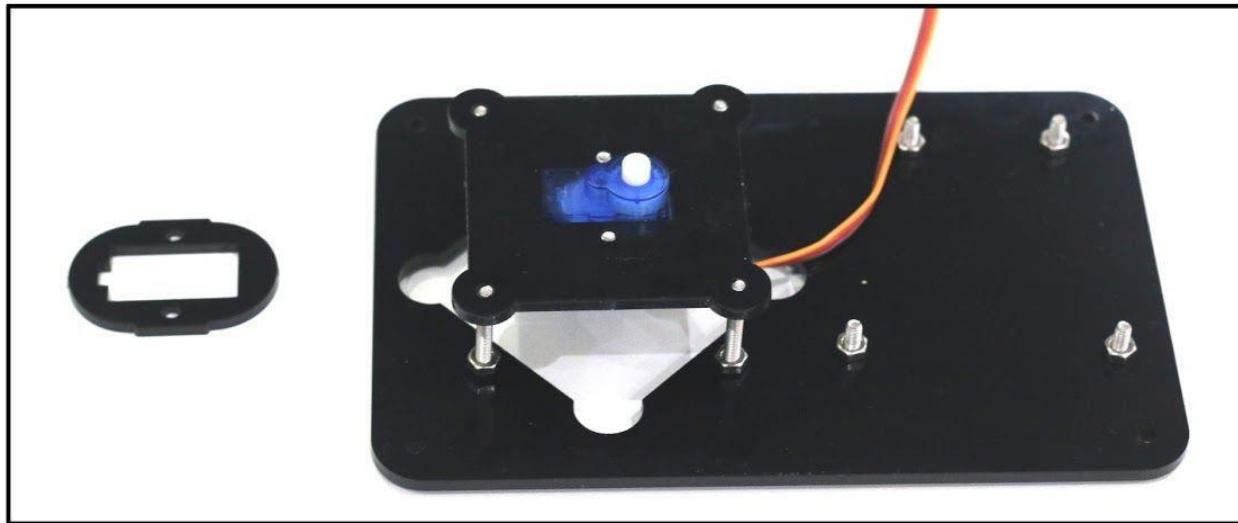
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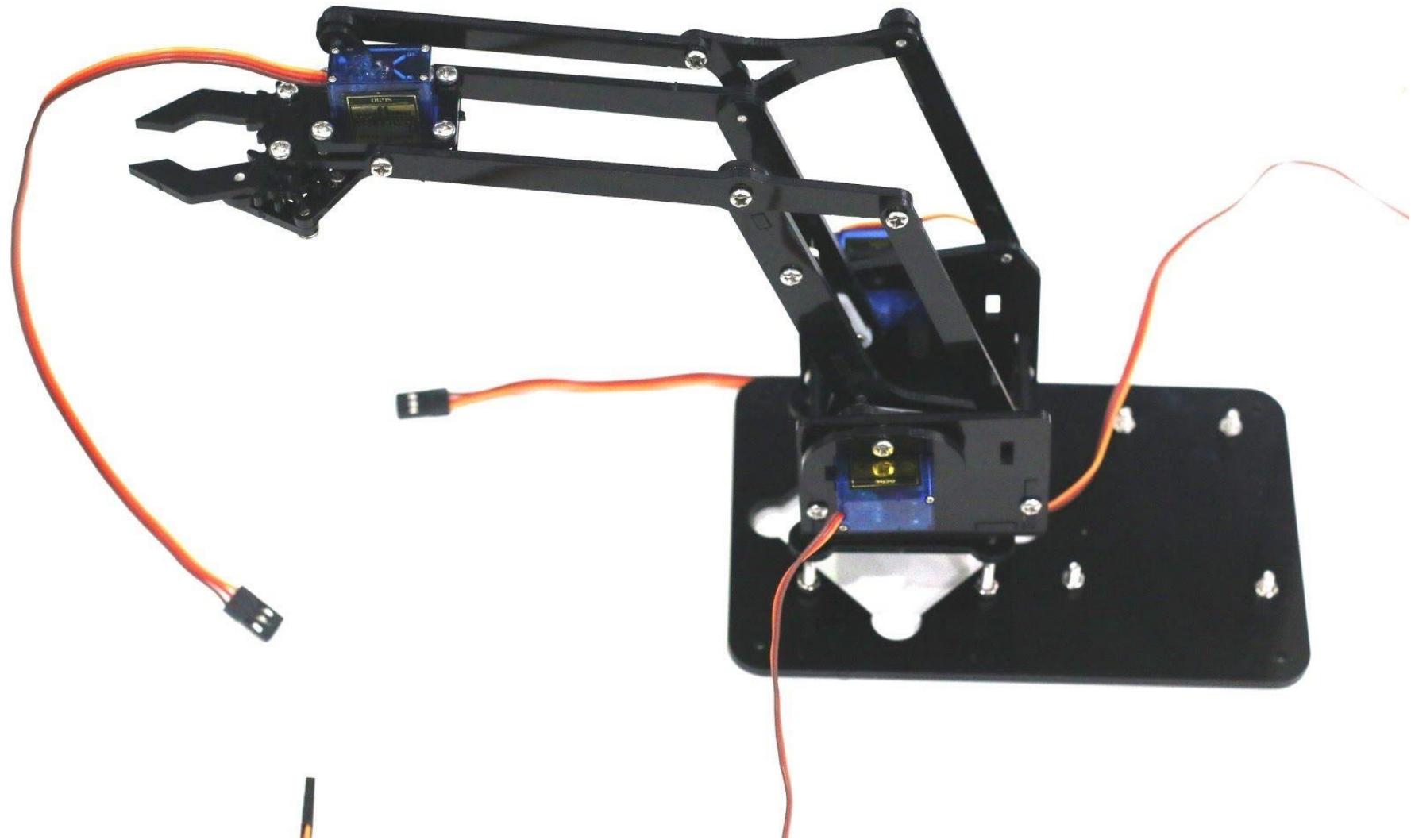
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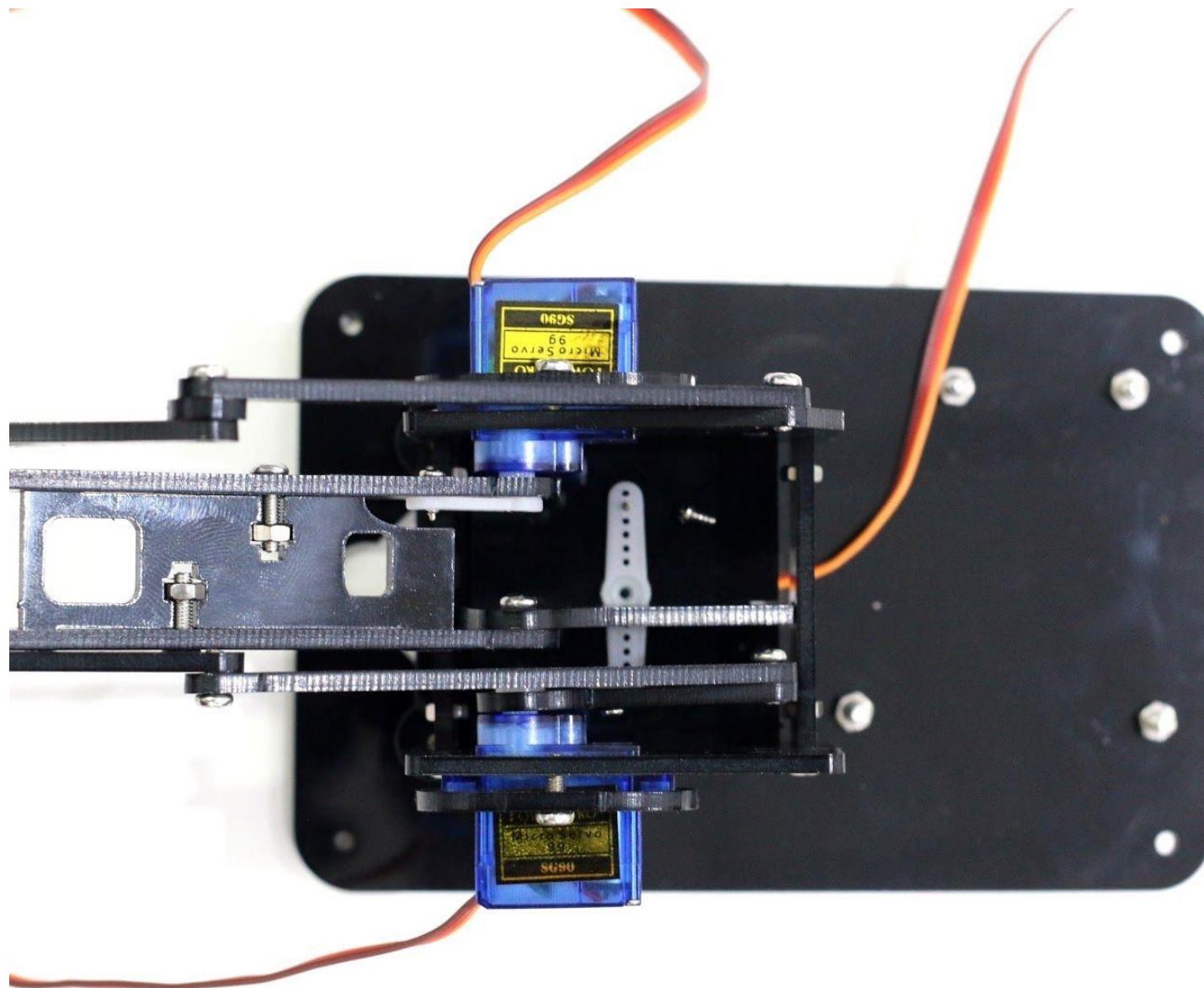
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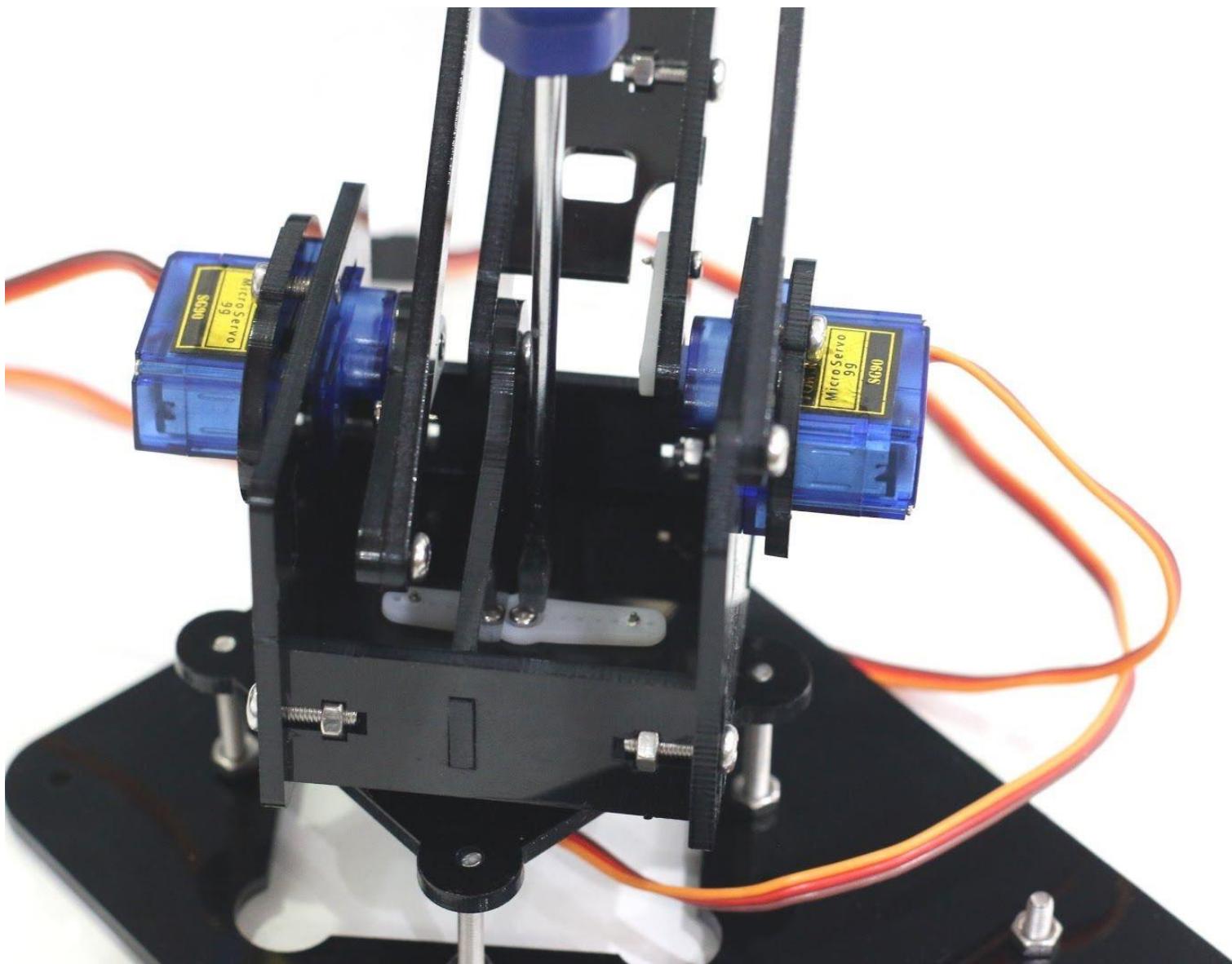
Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick

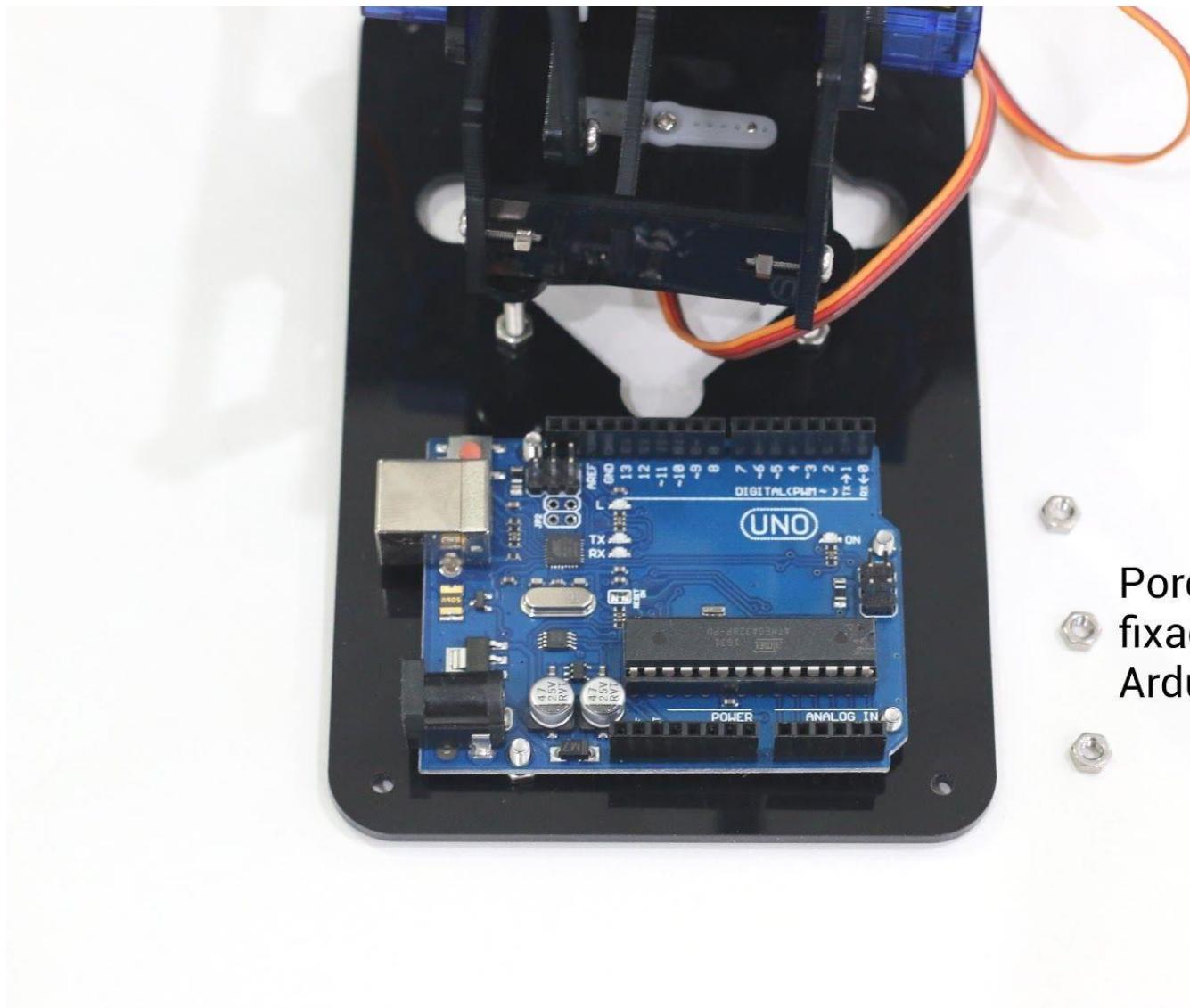


Braço Robótico com Arduino e Joystick



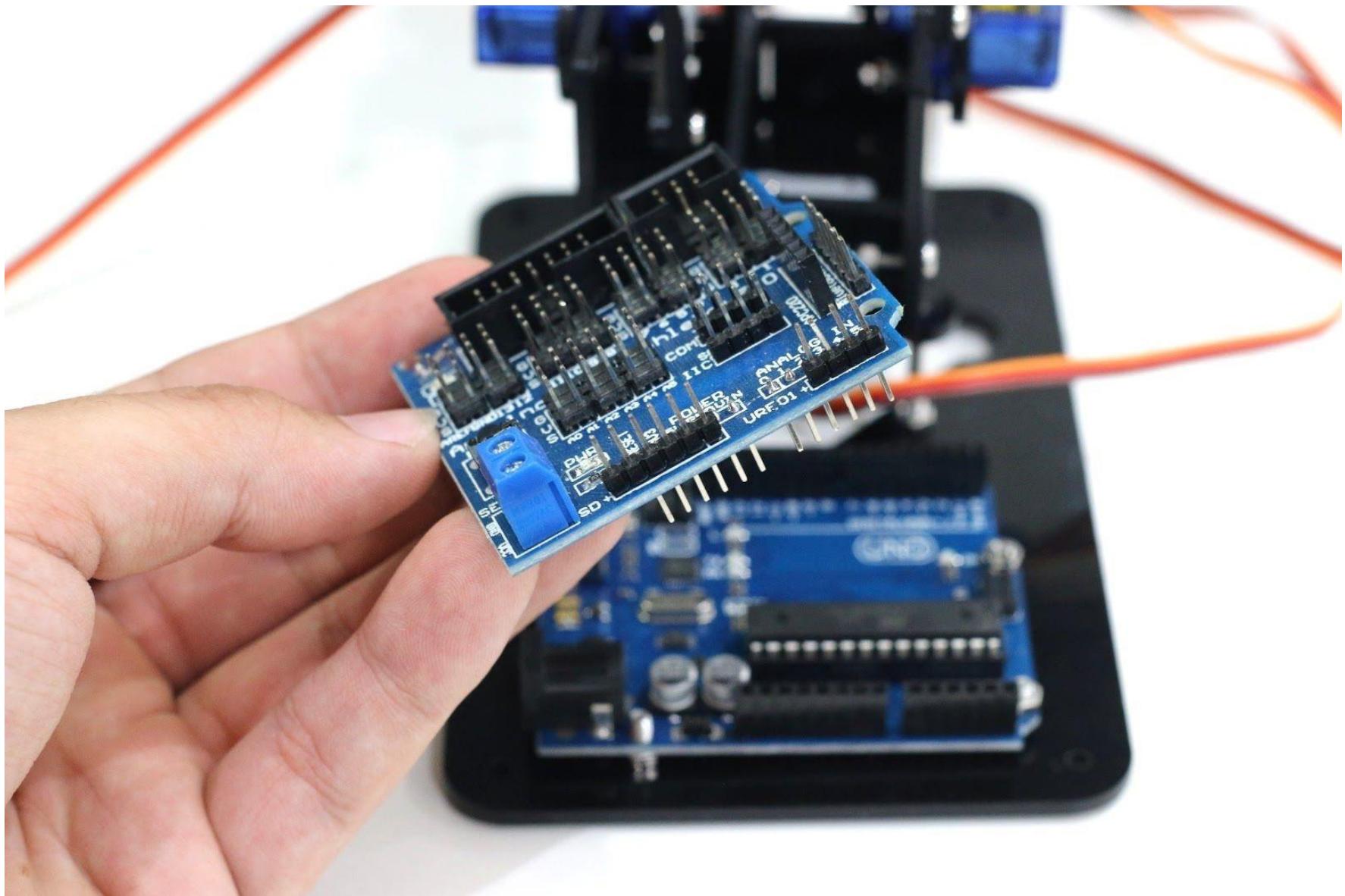
Braço Robótico com Arduino e Joystick

Braço Robótico com Arduino e Joystick

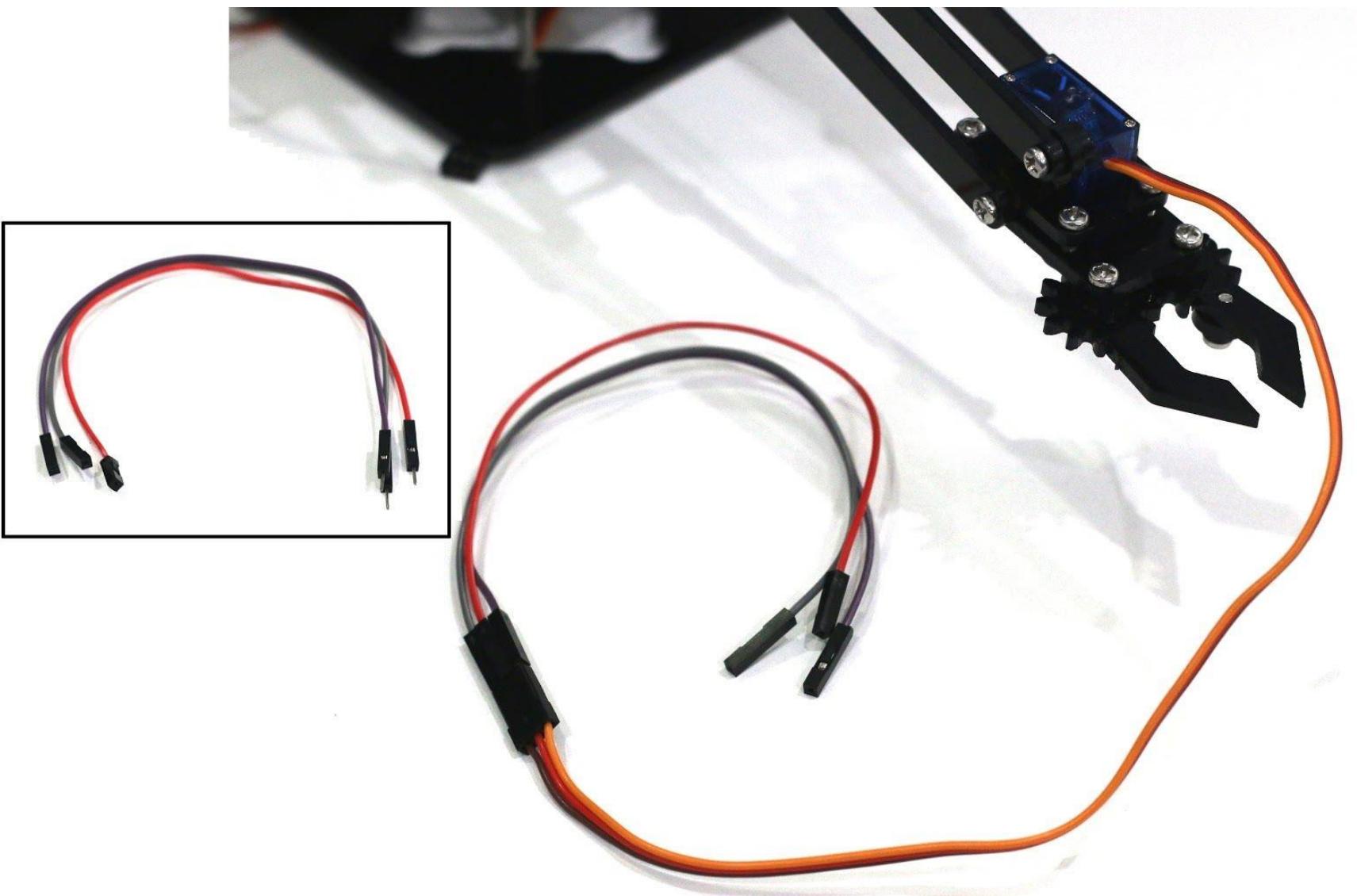


Porca M3 para
fixação da placa
Arduino

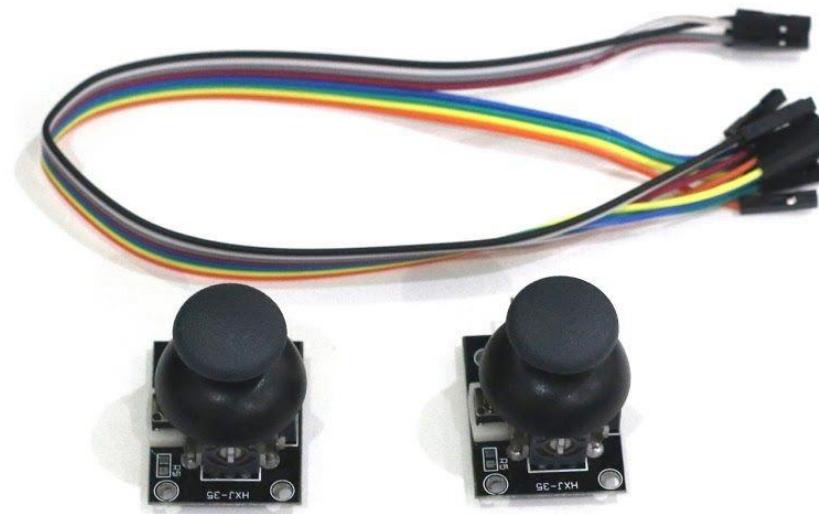
Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



Porca M3
8pcs



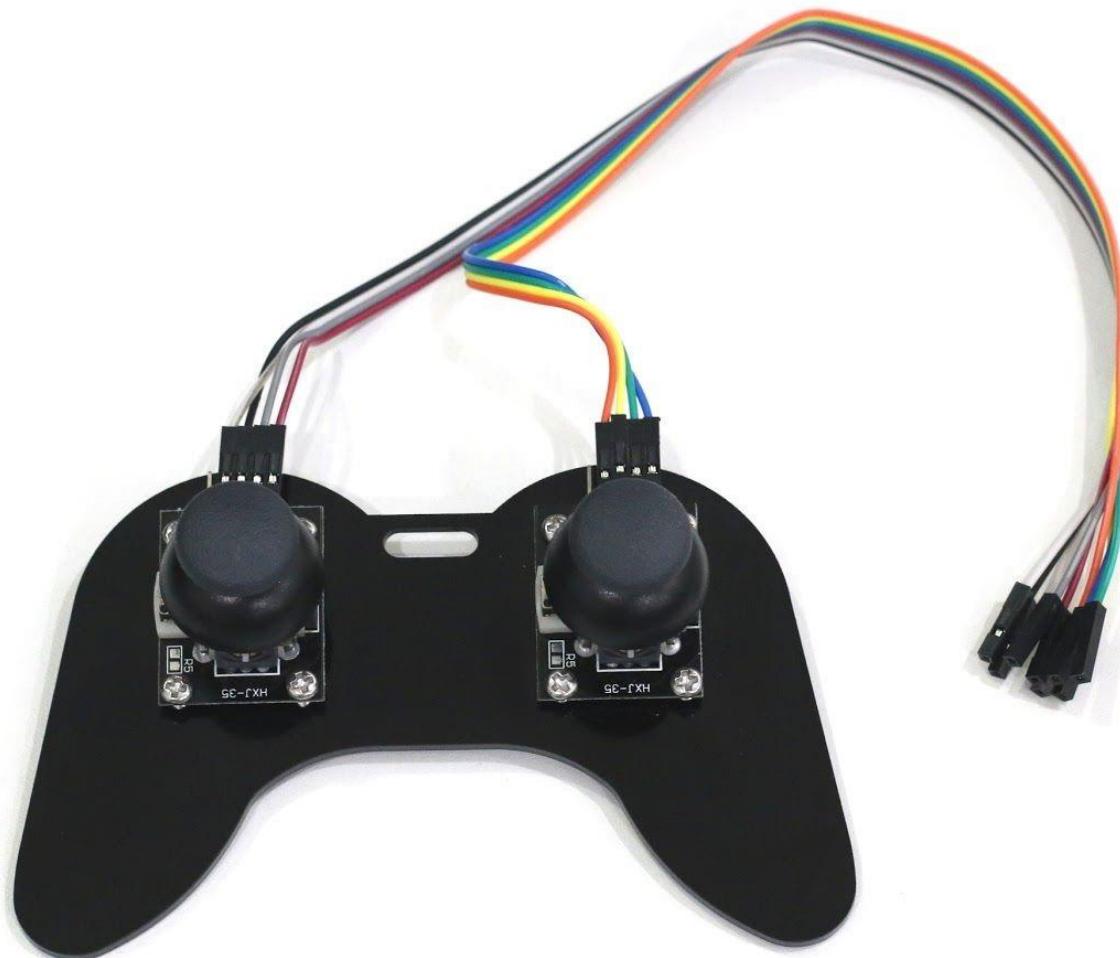
M3x10
8pcs



Braço Robótico com Arduino e Joystick

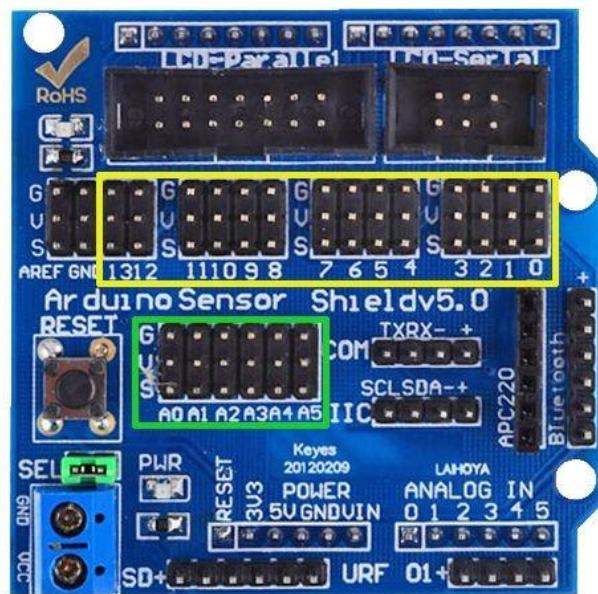


Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick

Esquema de ligação servos e joysticks



Portas
Analógicas

Portas
Digitais

G: GND
V: 5V Vcc
S: Sinal

Porta digital Porta digital



Base



Extensão

Porta digital Porta digital



Altura



Garra

VRy: A0
VRx: A1



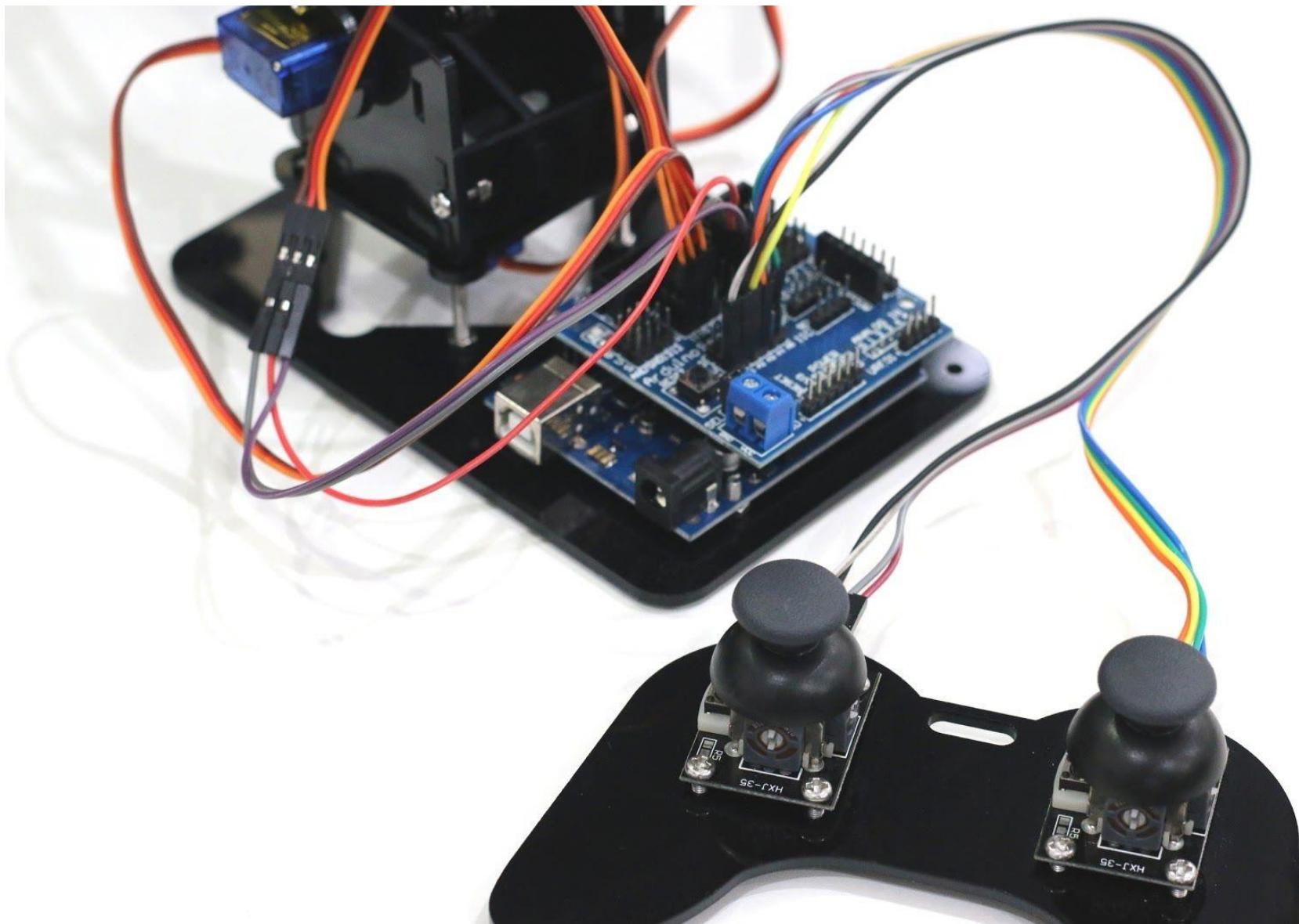
Joystick
Esquerdo

VRy: A3
VRx: A2

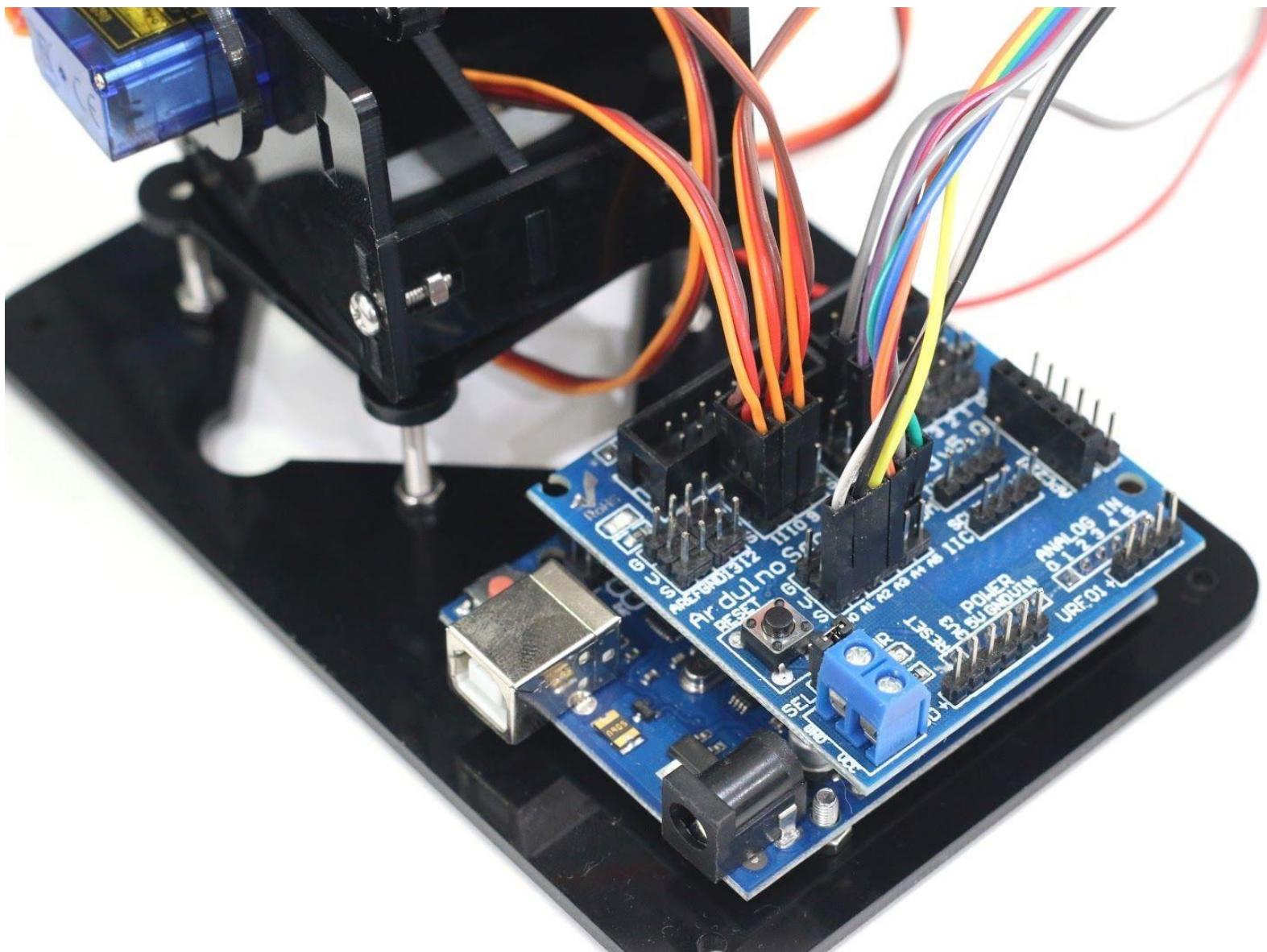


Joystick
Direito

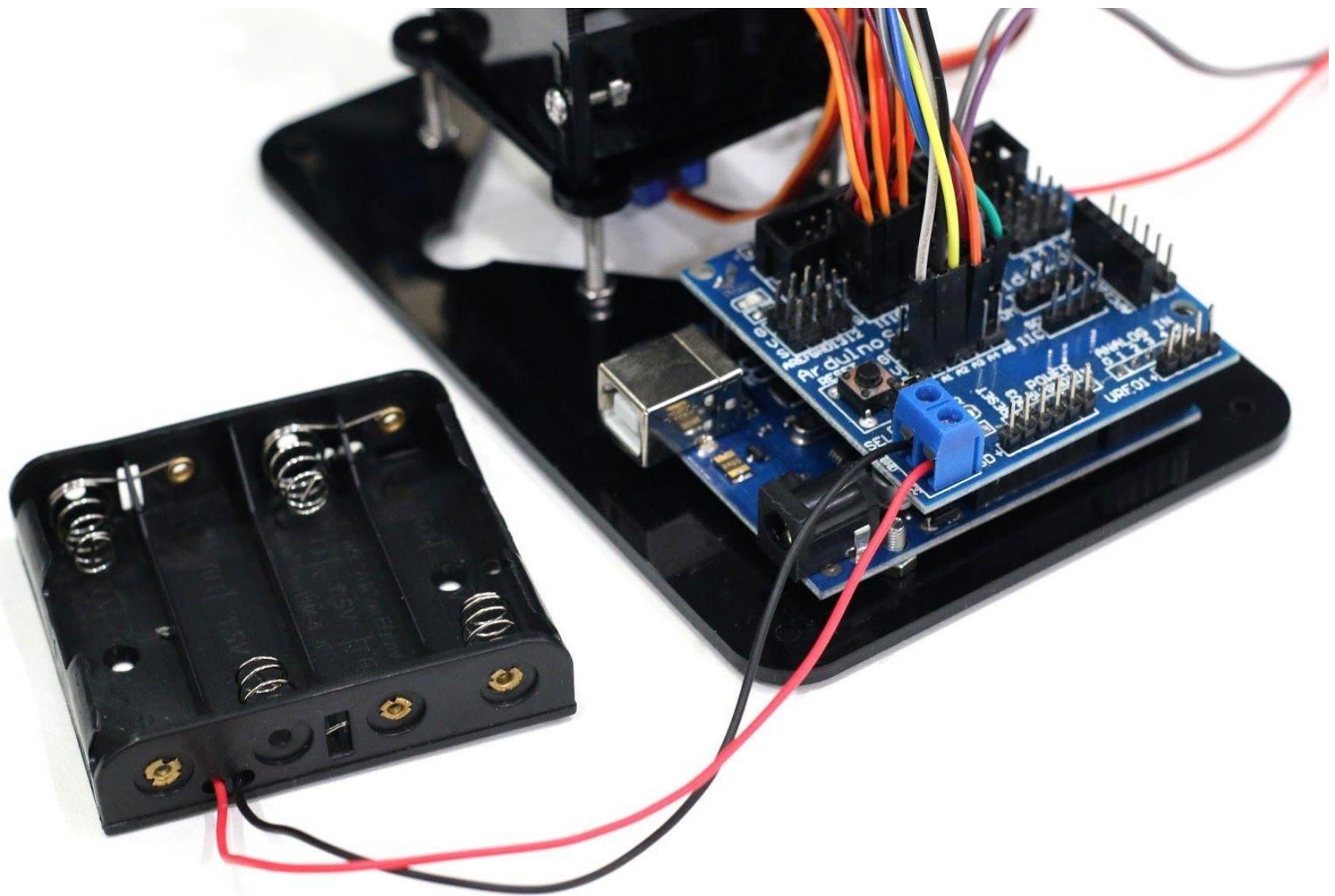
Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



Braço Robótico com Arduino e Joystick



Programa Arduino

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

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