

6to



GUIAS DE ARMADO

Kit T-BOT

Guía de Armado

Kit T-BOT



6to

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Grúa pluma

Montacargas

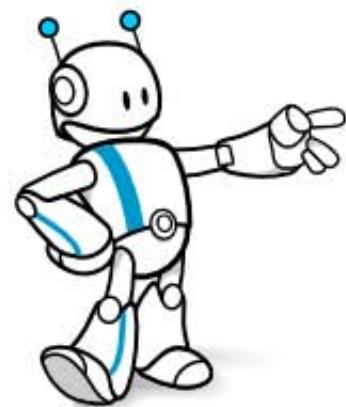
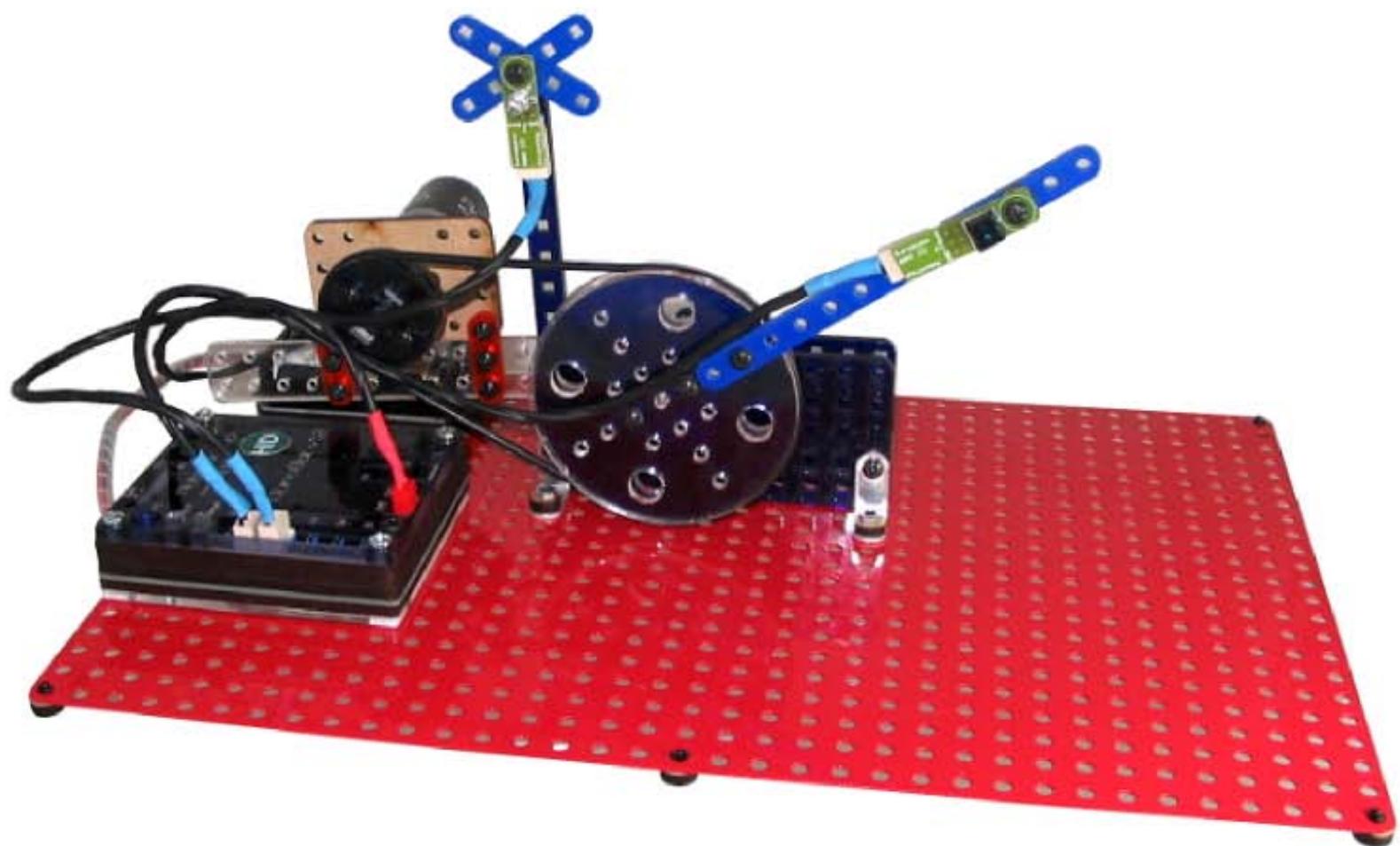
Recolector de basura

Robot estatua

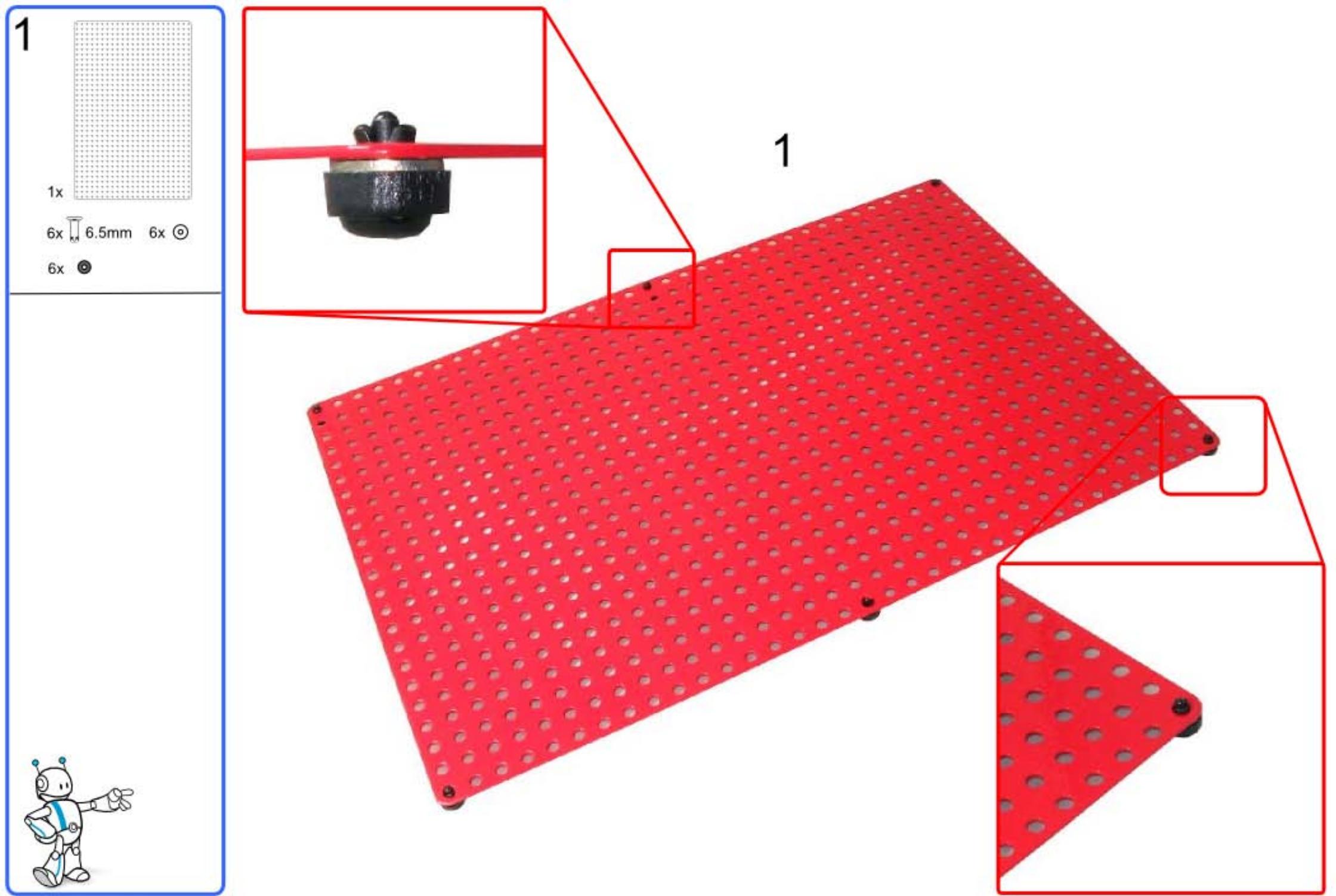
Seguidor de línea

Vuelta al mundo

Secuencia de armado de una barrera



N7



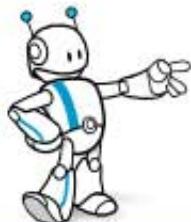
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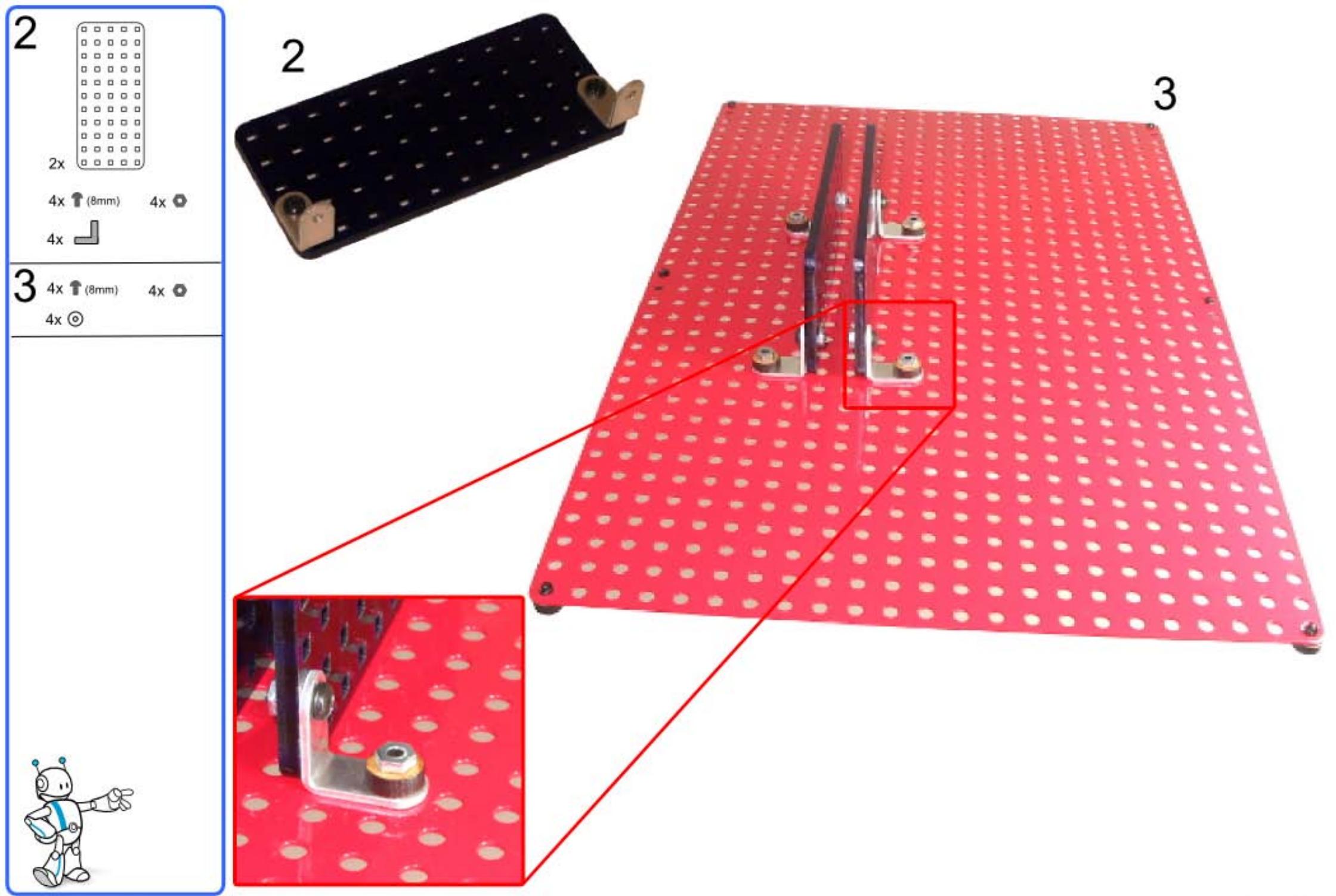
1x

6x 6.5mm 6x

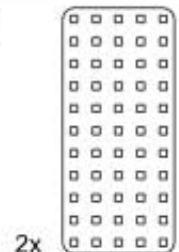
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1



2

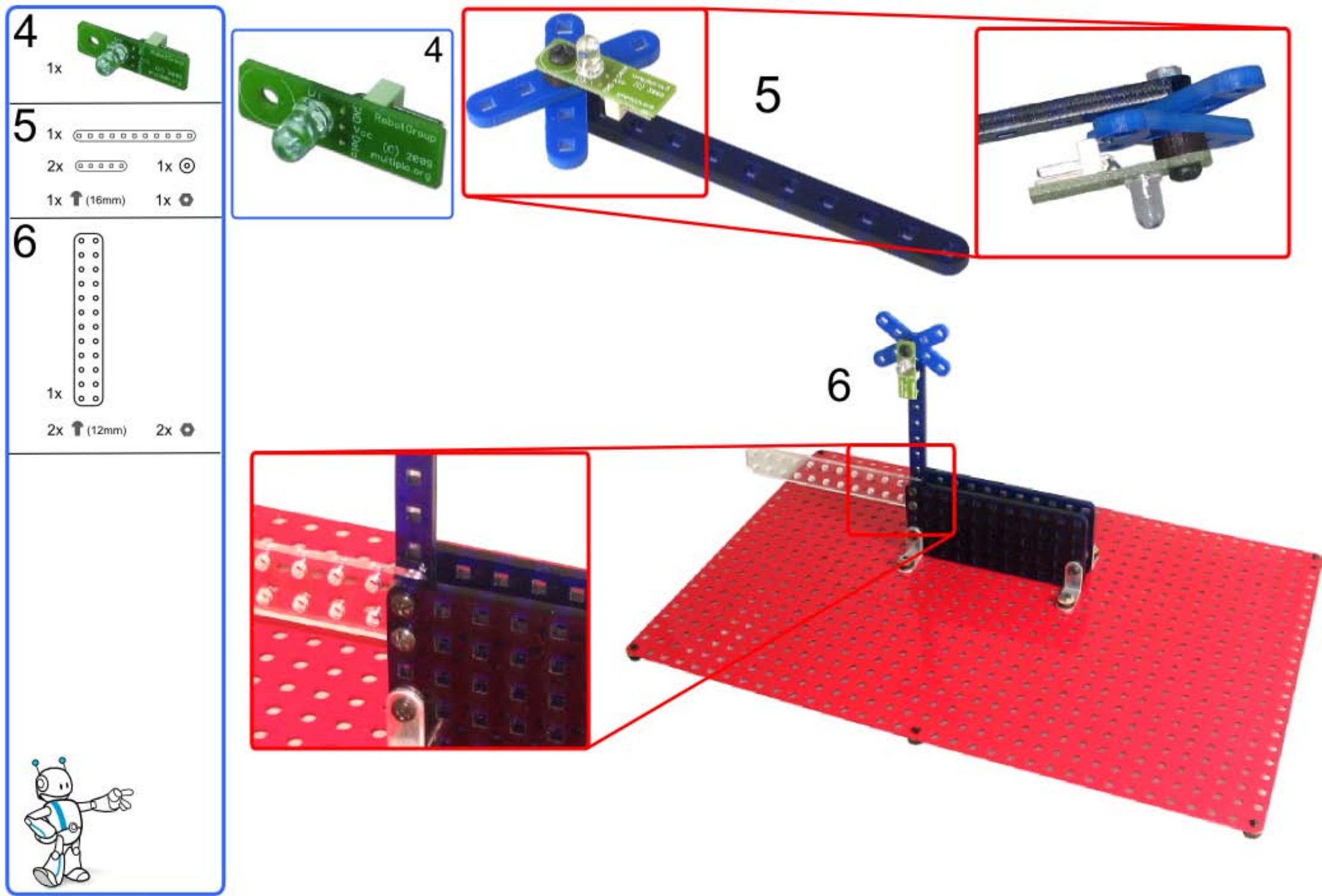


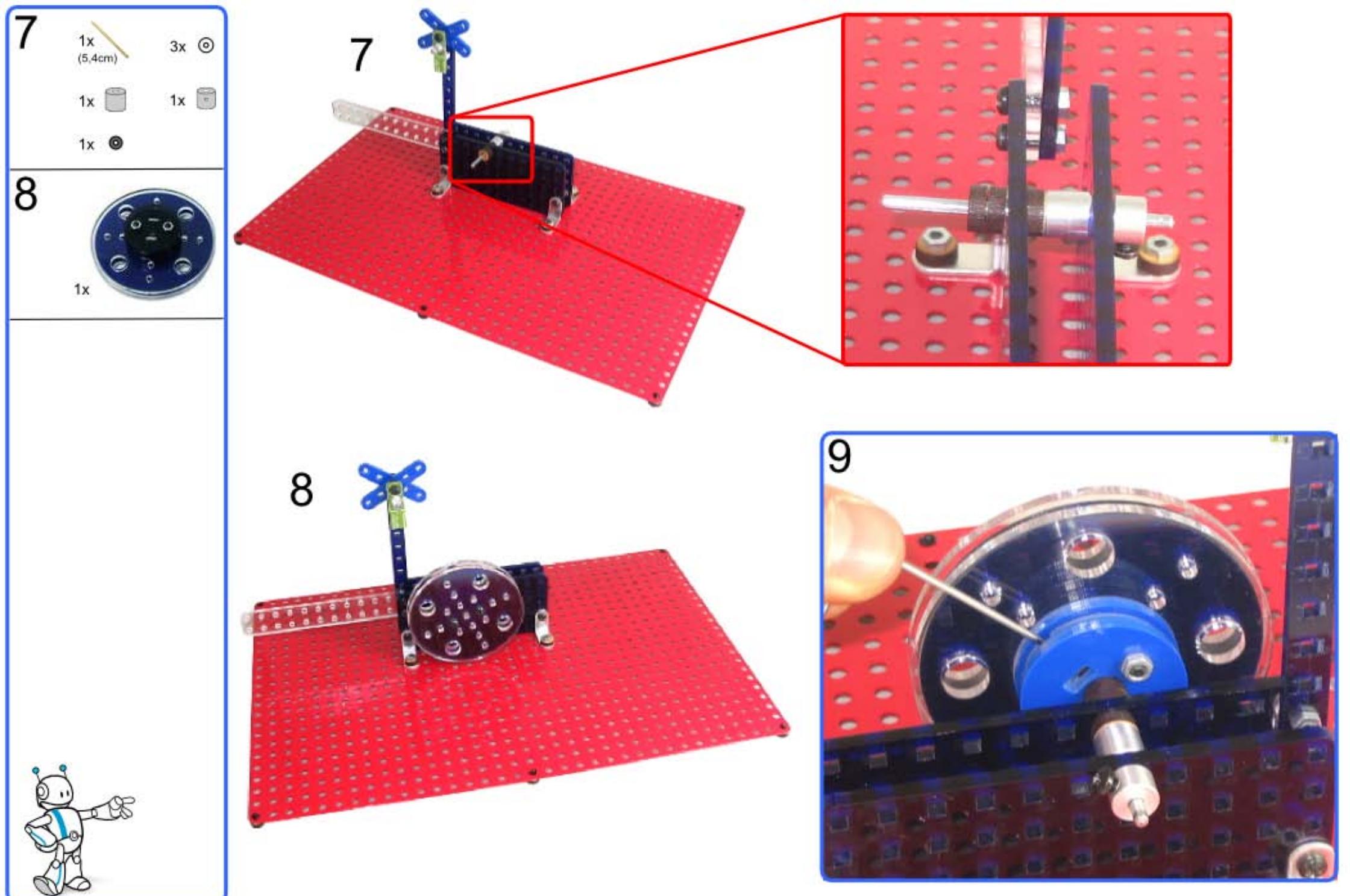
2x
4x L (8mm) 4x ⓧ

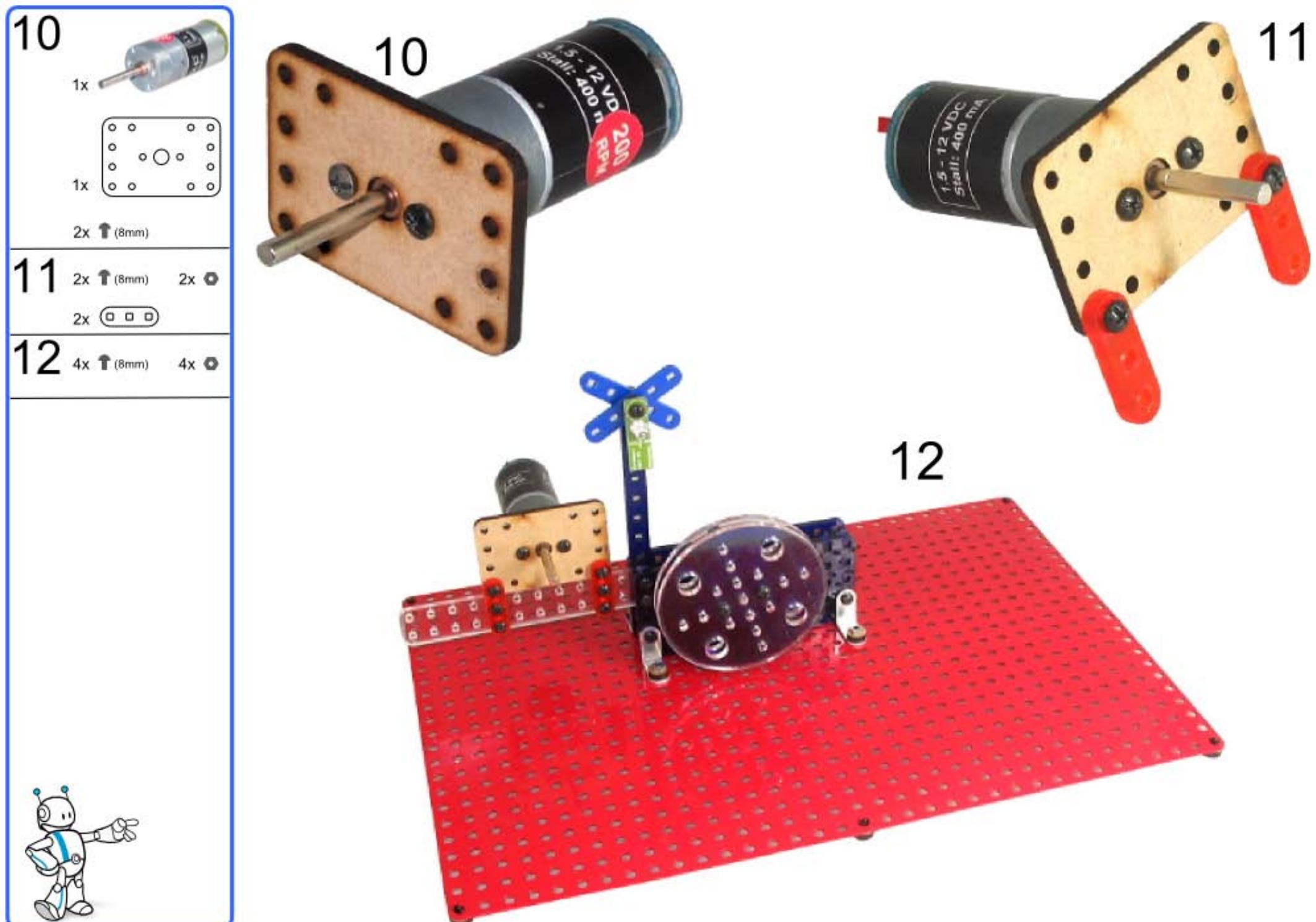


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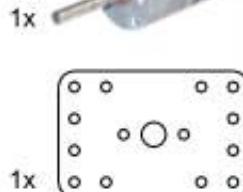
4x L (8mm) 4x ⓧ
4x ⓧ







10



2x ↑ (8mm)

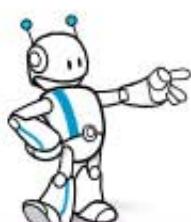
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2x ↑ (8mm) 2x ●



12

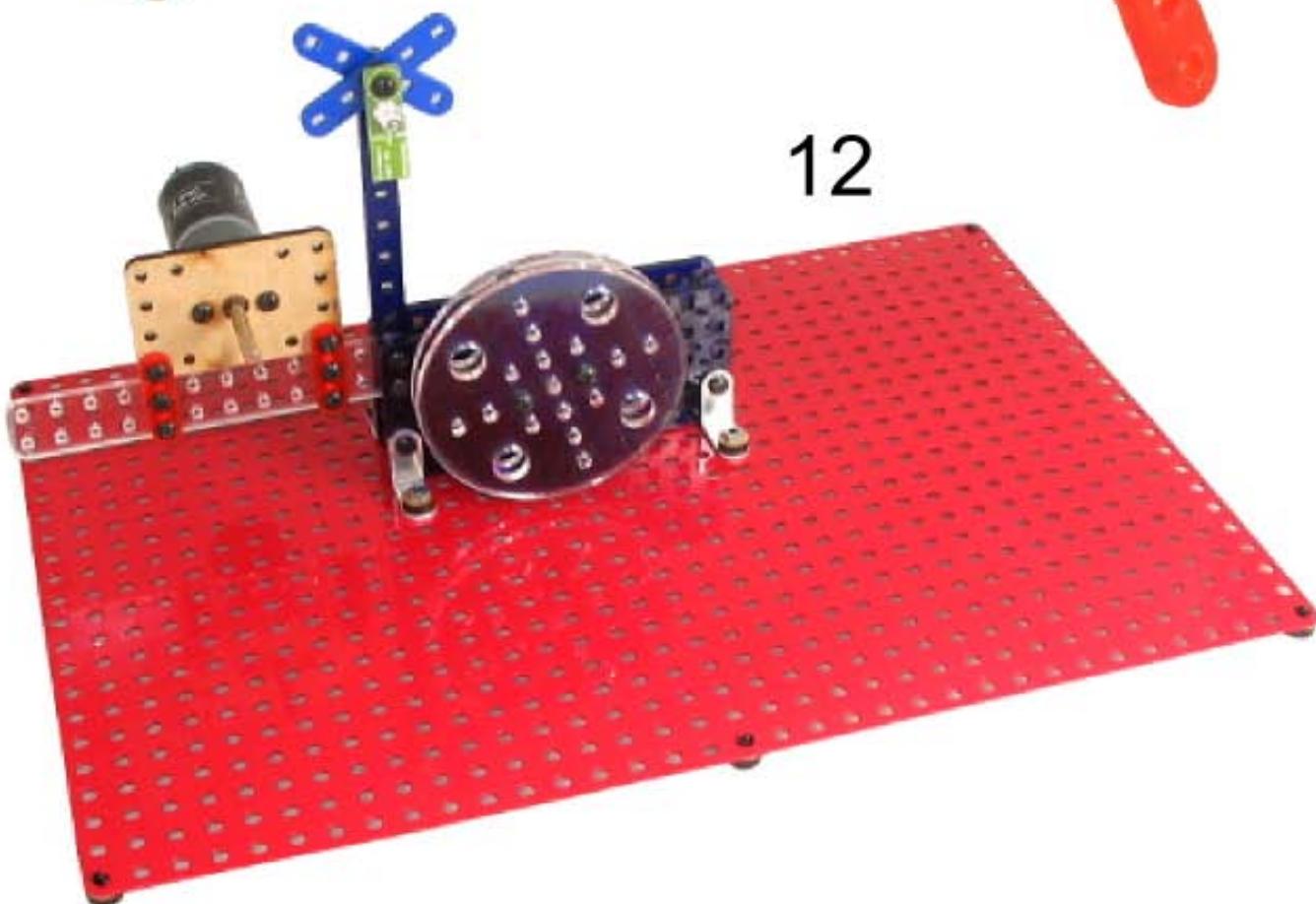
4x ↑ (8mm) 4x ●

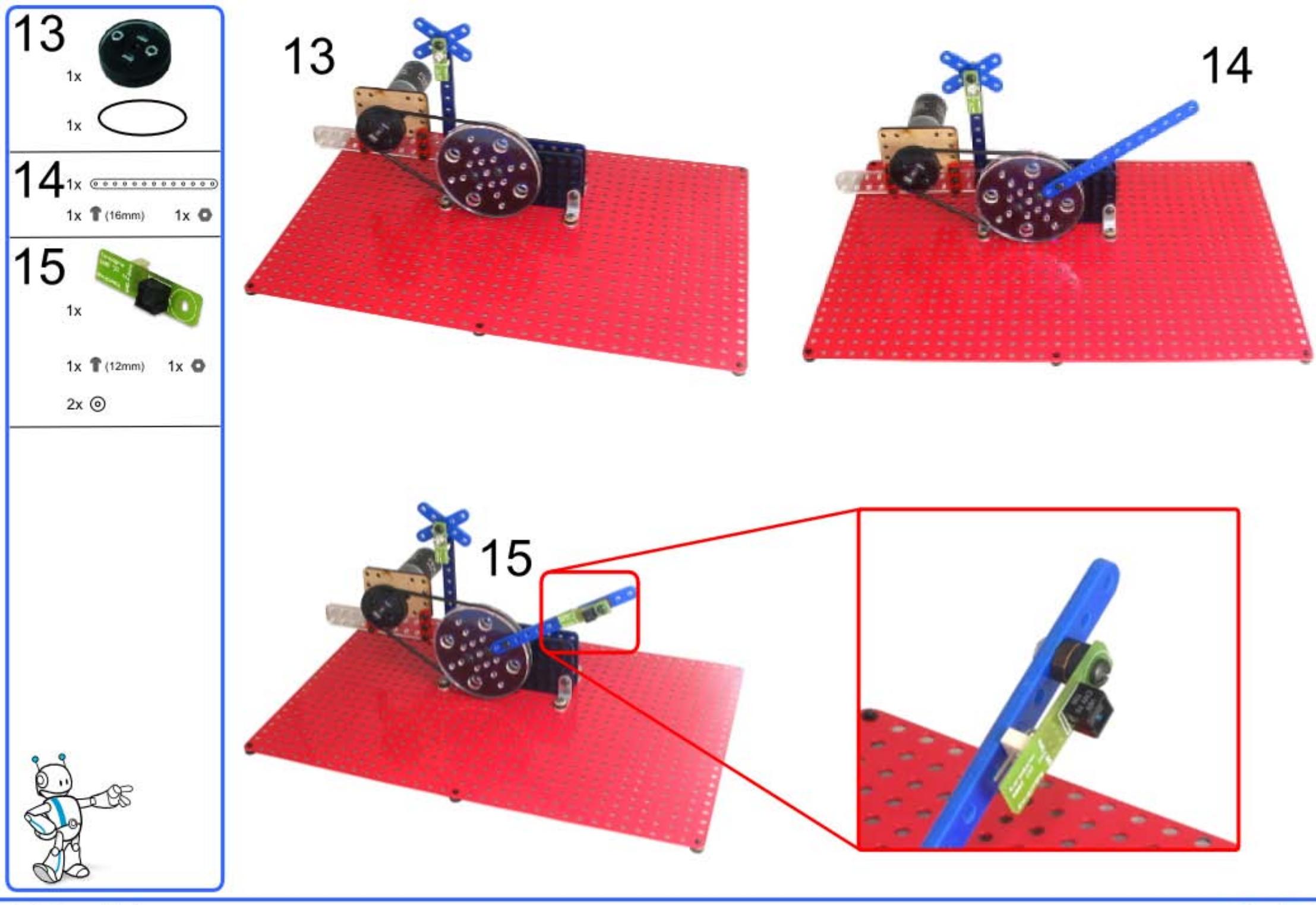


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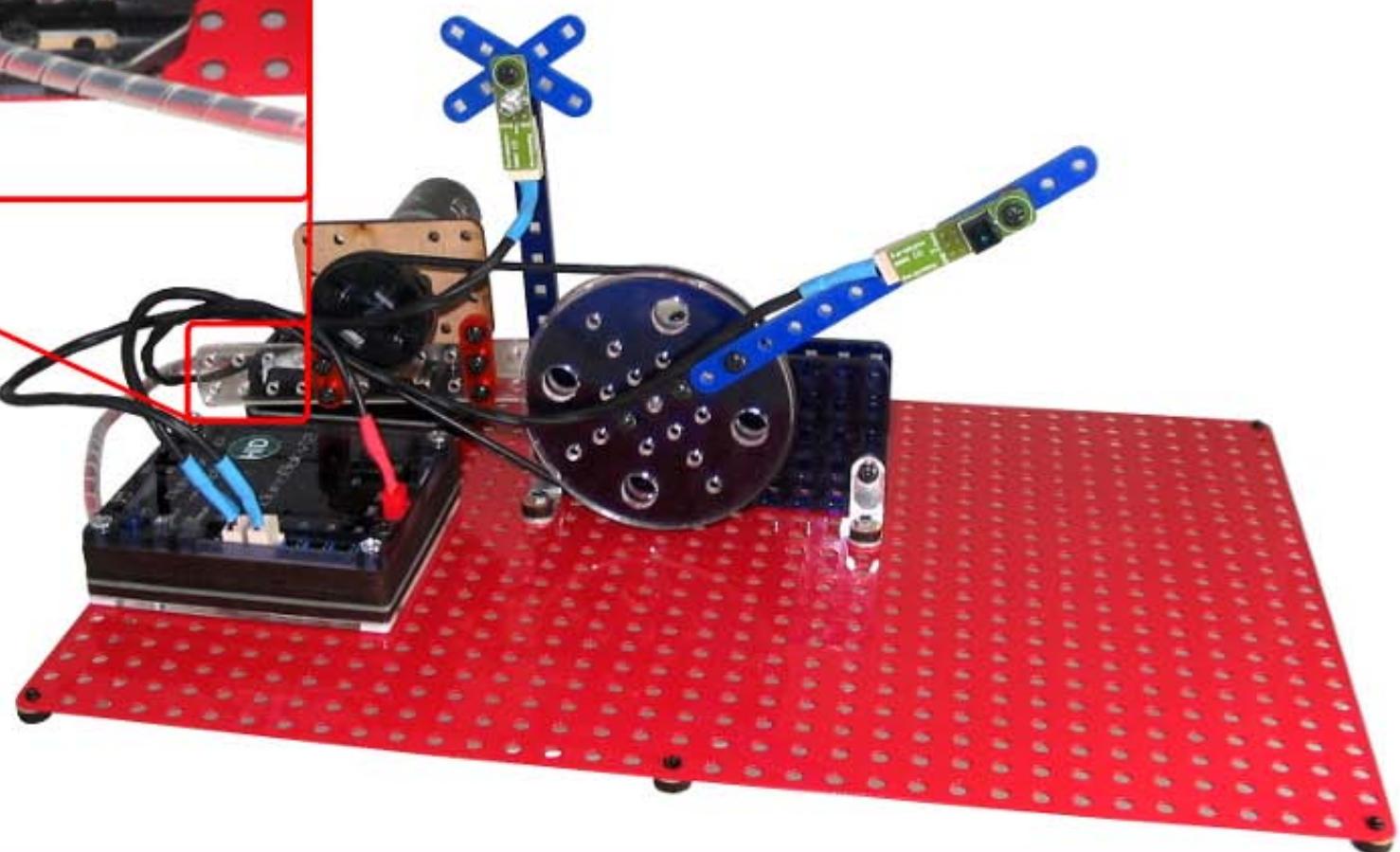


12



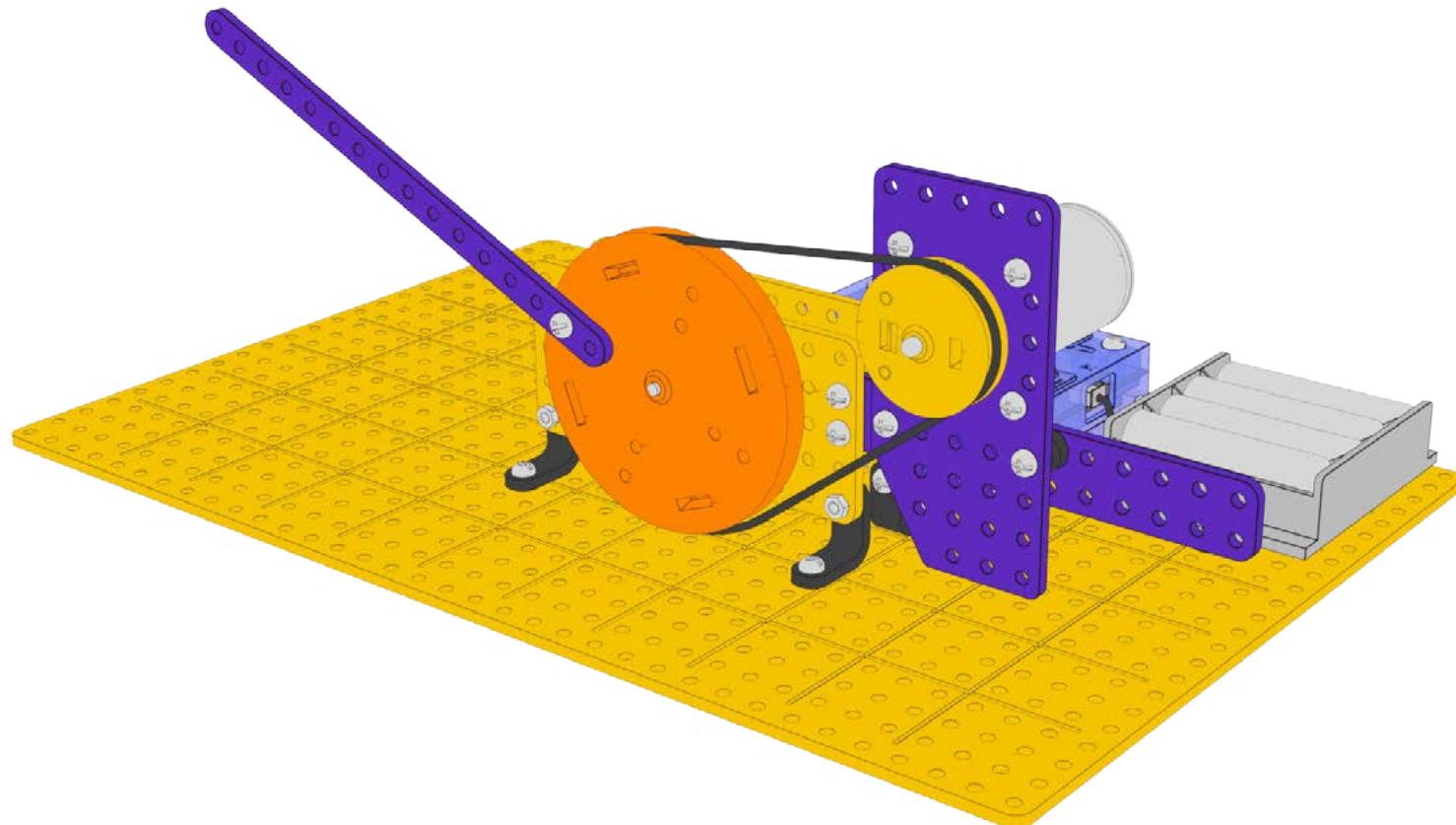


16



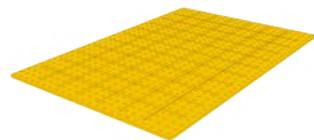
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Secuencia de armado de una barrera con motor



Paso 1

1 Plancha 35x23



2 Plancha 11x5



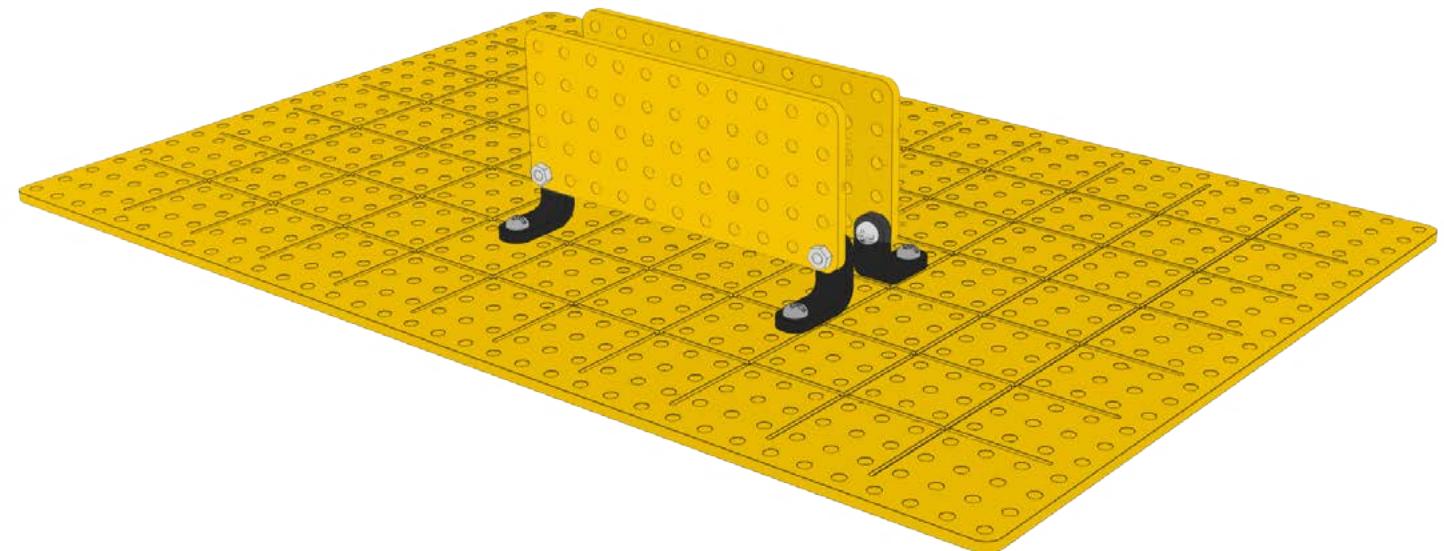
4 L



8 Tornillo 8 mm

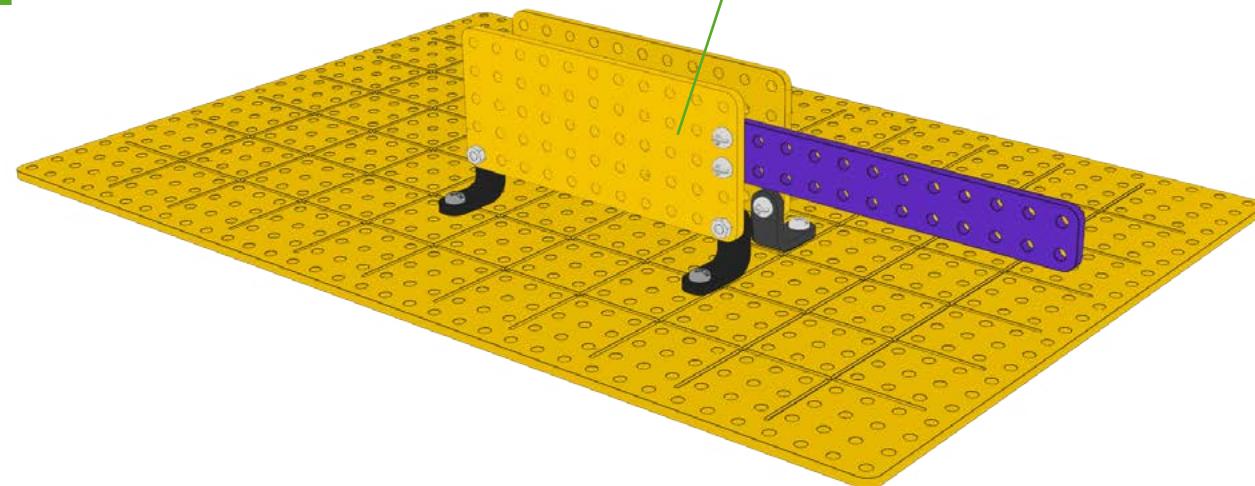
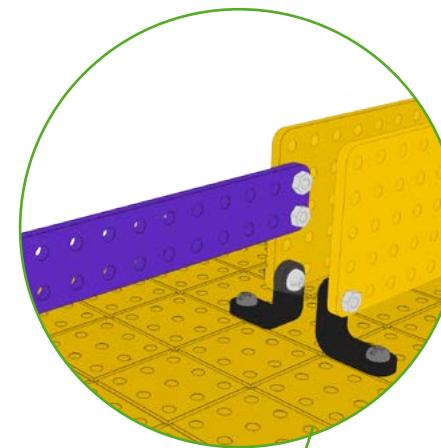


8 Tuerca hexagonal



Paso 2

- 1 Plancha 12x2 
- 2 Tornillo 8 mm 
- 2 Tuerca hexagonal 



Paso 3

2 Eje 5,4



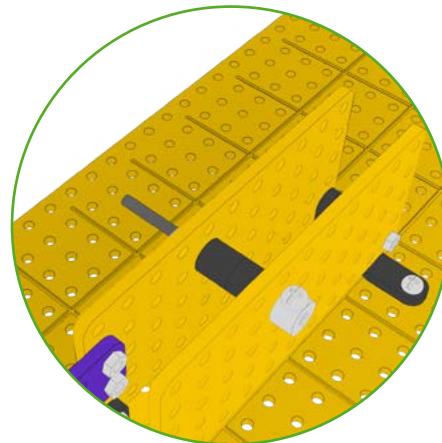
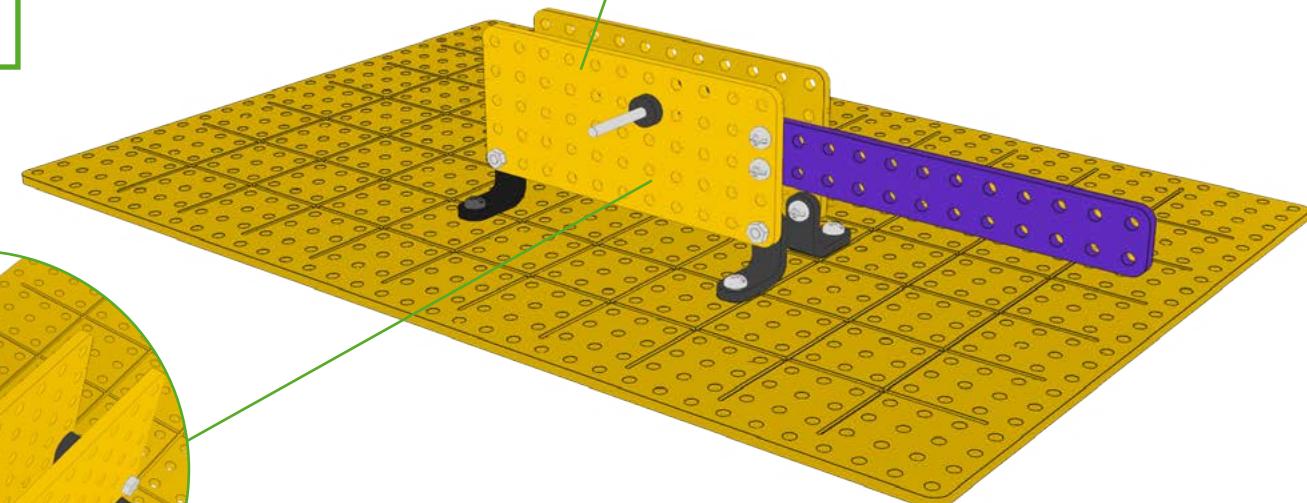
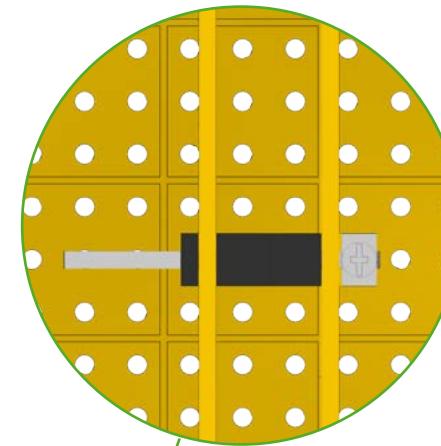
1 Separadores de goma
3mm



2 Separadores de goma
9mm

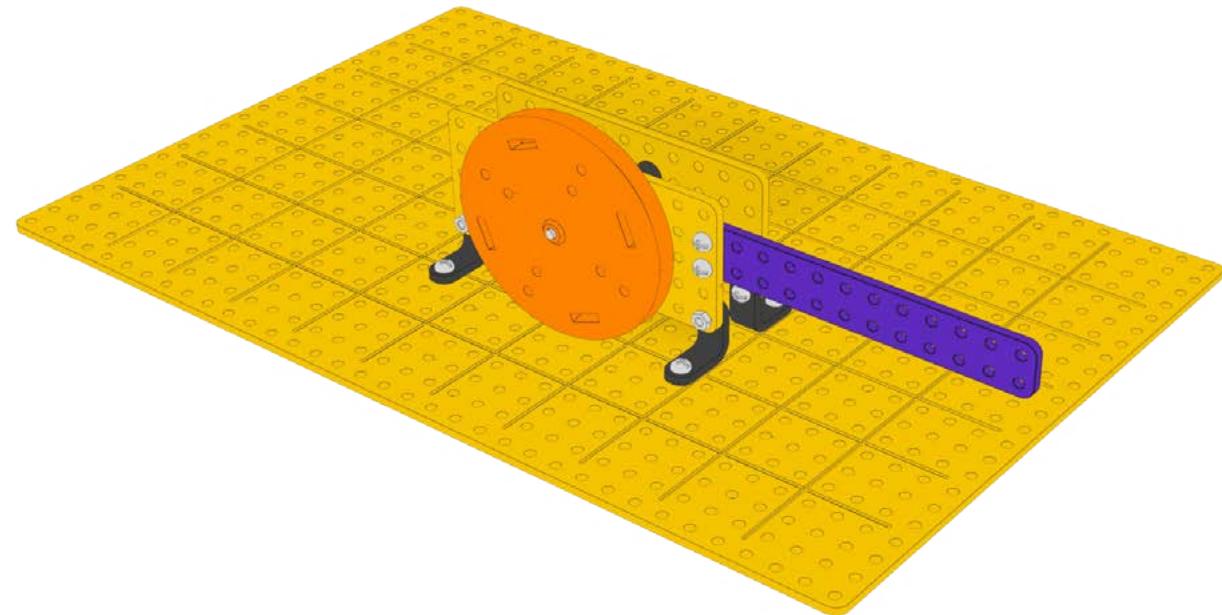


1 Ajuste de eje



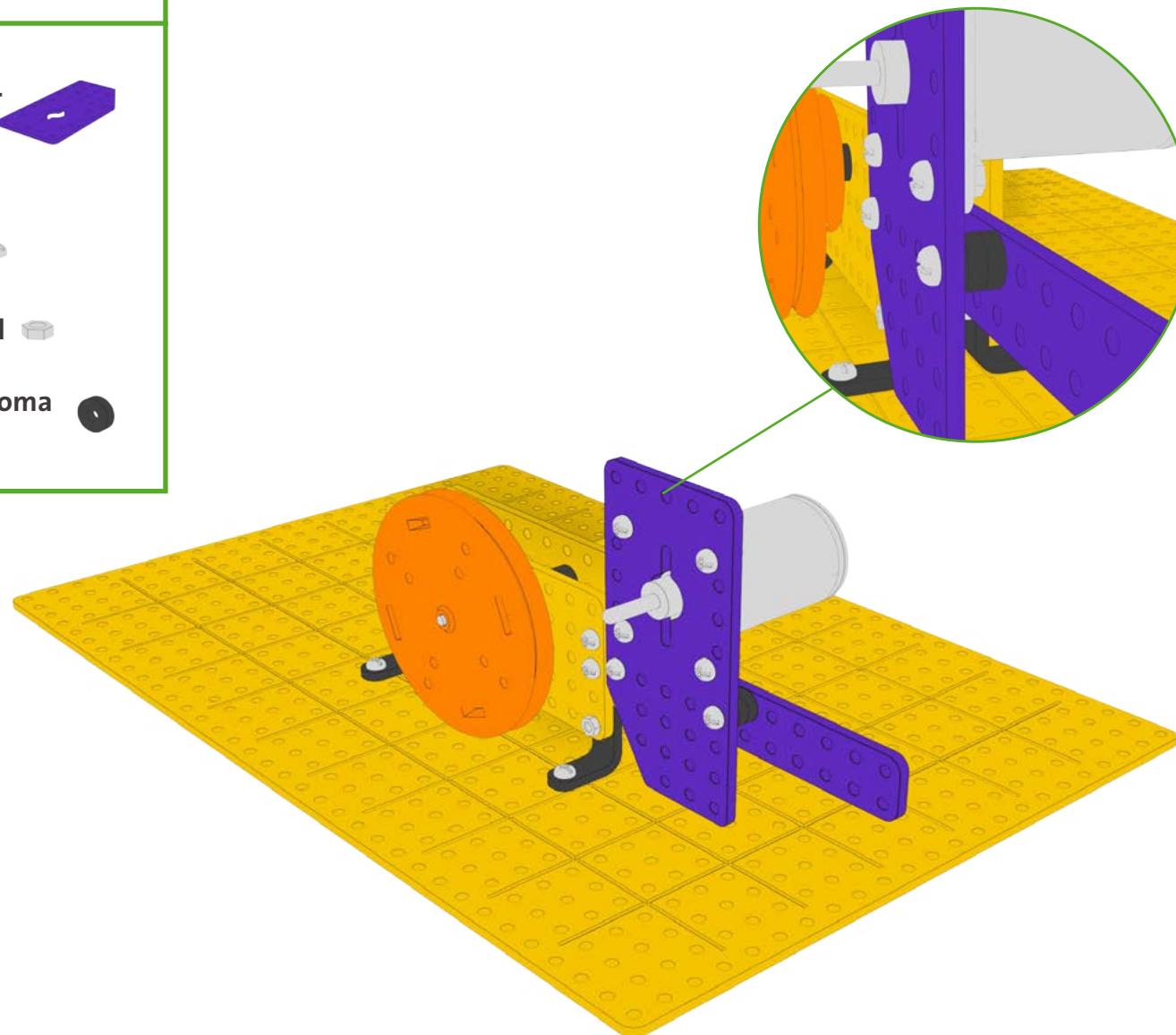
Paso 4

1 Polea grande naranja



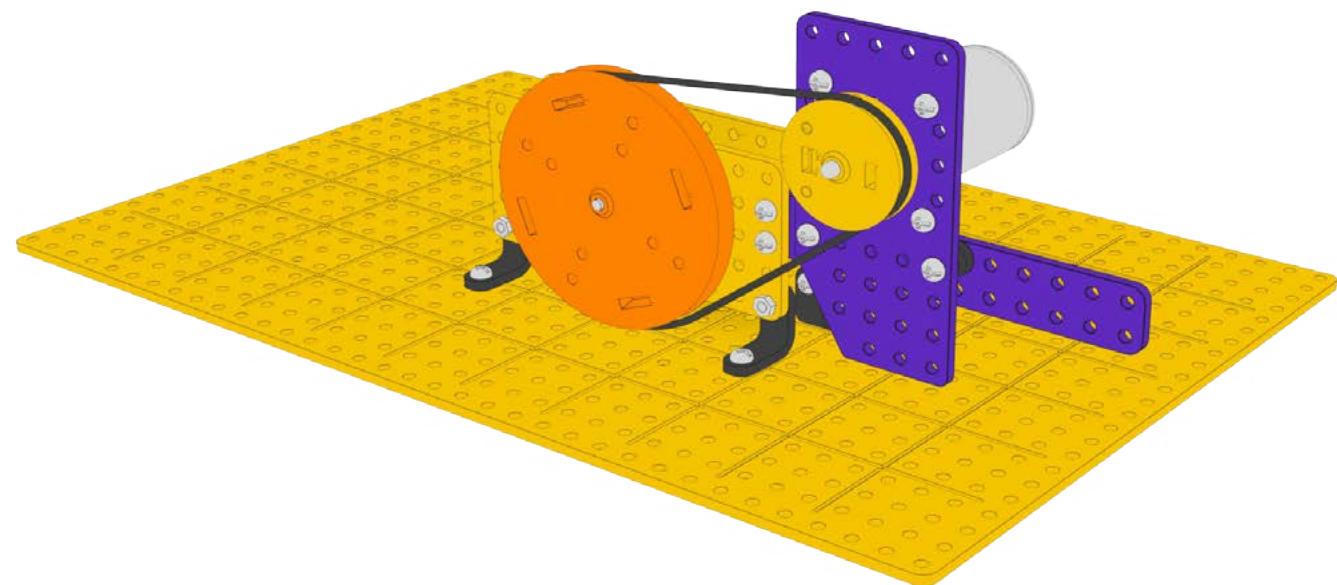
Paso 5

- 1 Soporte de motor 
- 1 Motor 
- 6 Tornillo 8 mm 
- 6 Tuerca hexagonal 
- 4 Separadores de goma 3mm 



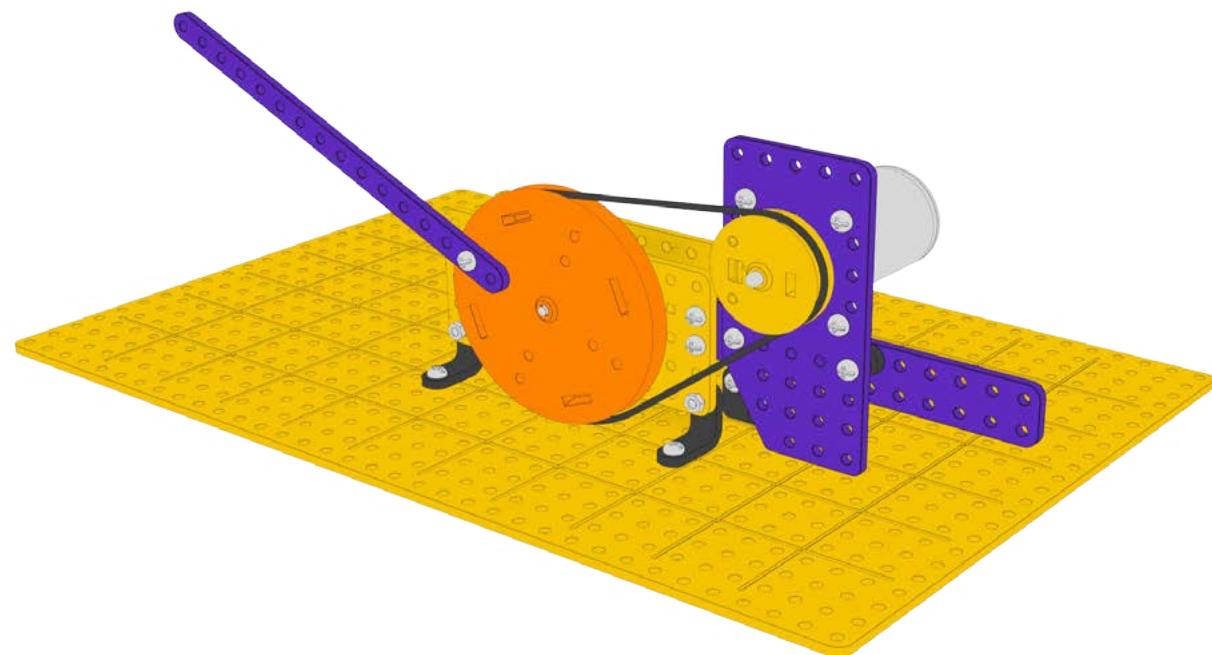
Paso 6

- 1 Polea chica amarilla 
- 1 O-ring 154 



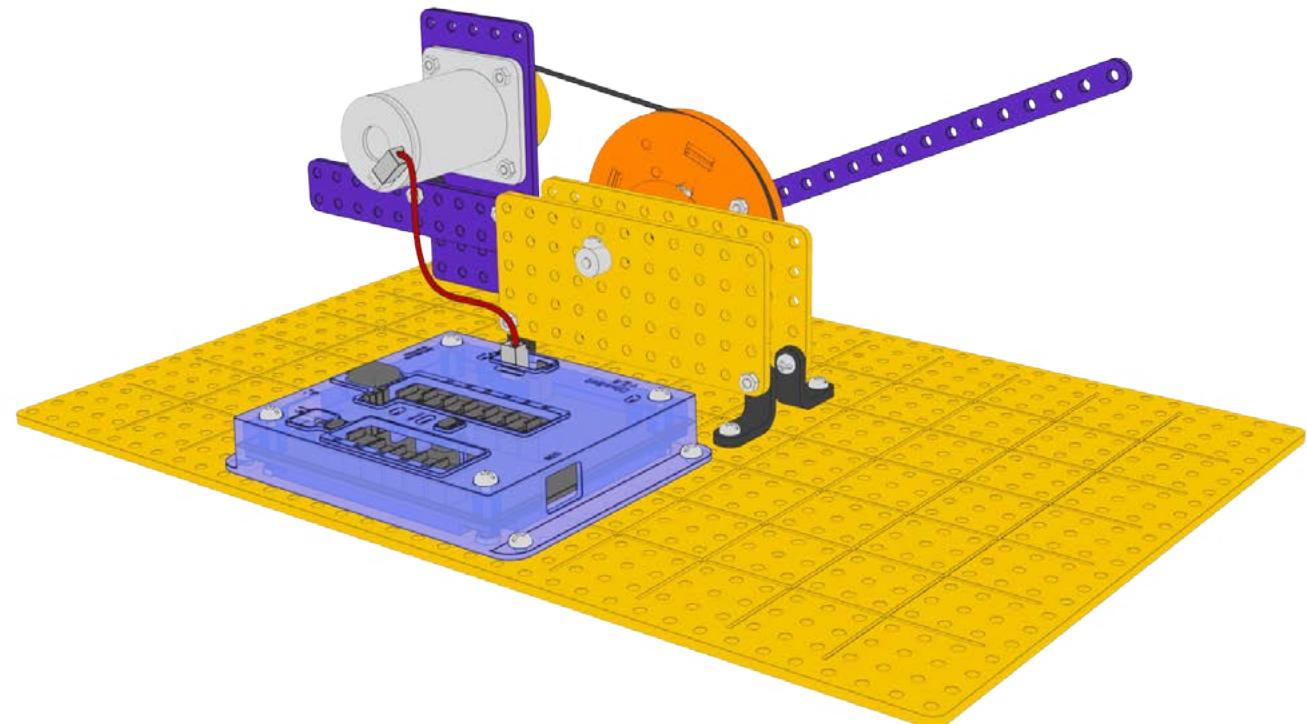
Paso 7

- 1 Languero 16 
- 1 Tornillo 16 mm 
- 1 Tuerca hexagonal 



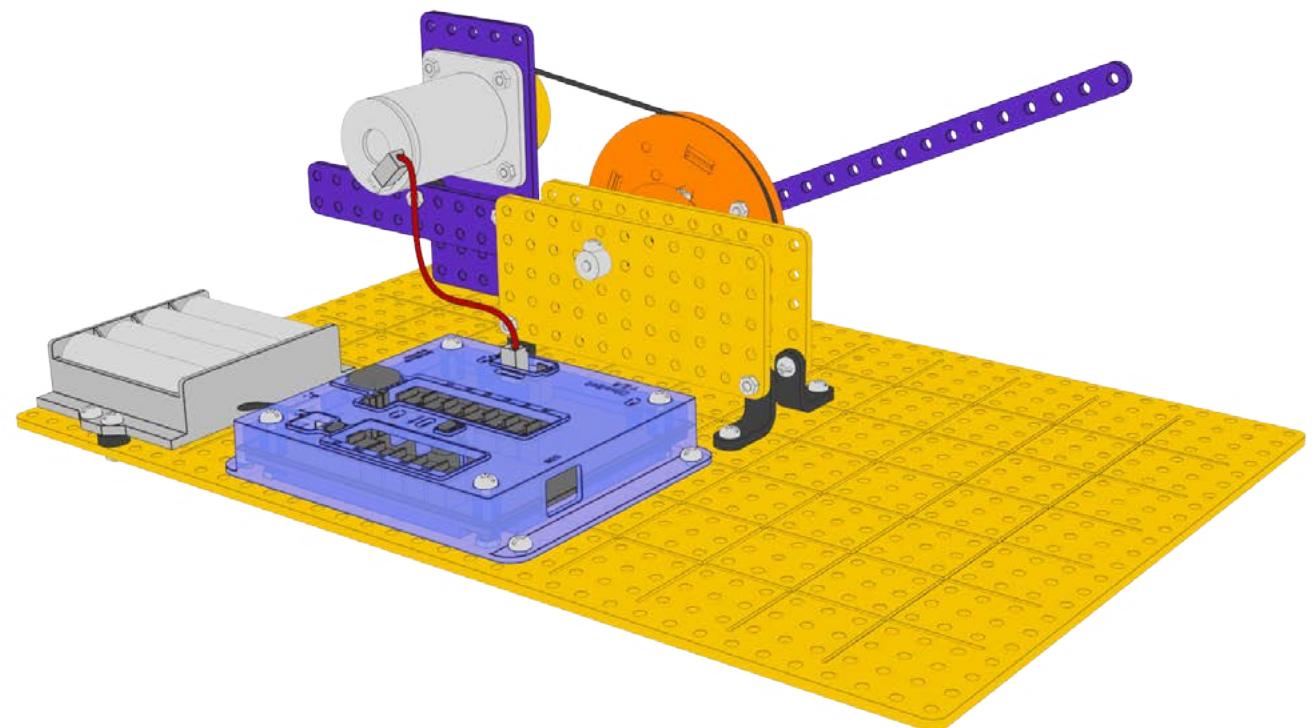
Paso 8

- 1 Placa 
- 1 Cable de motor 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 

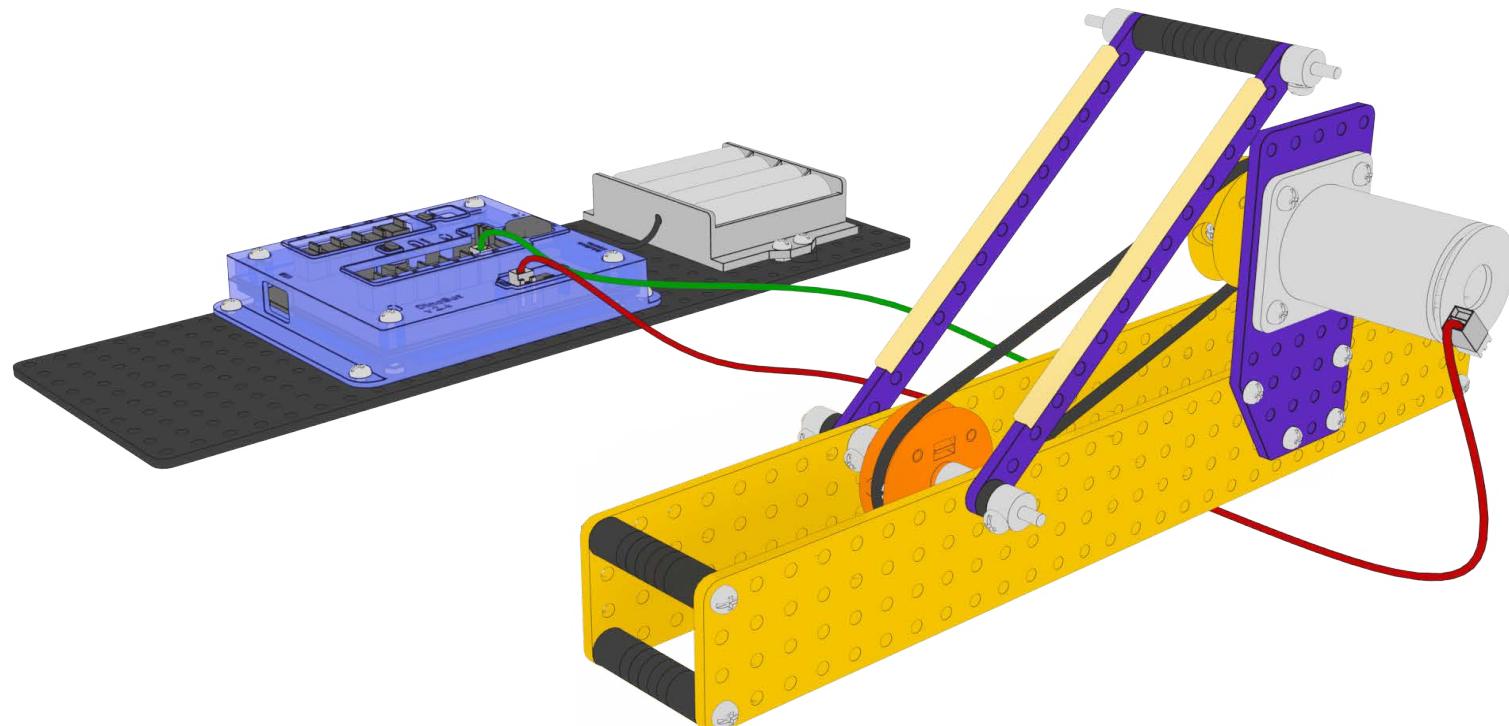


Paso 9

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 



Secuencia de armado de un bastón para ciegos



MATERIAL
EXTRA

Plastilina

Paso 1

2 Plancha 30x4



20 Separadores de goma
3mm



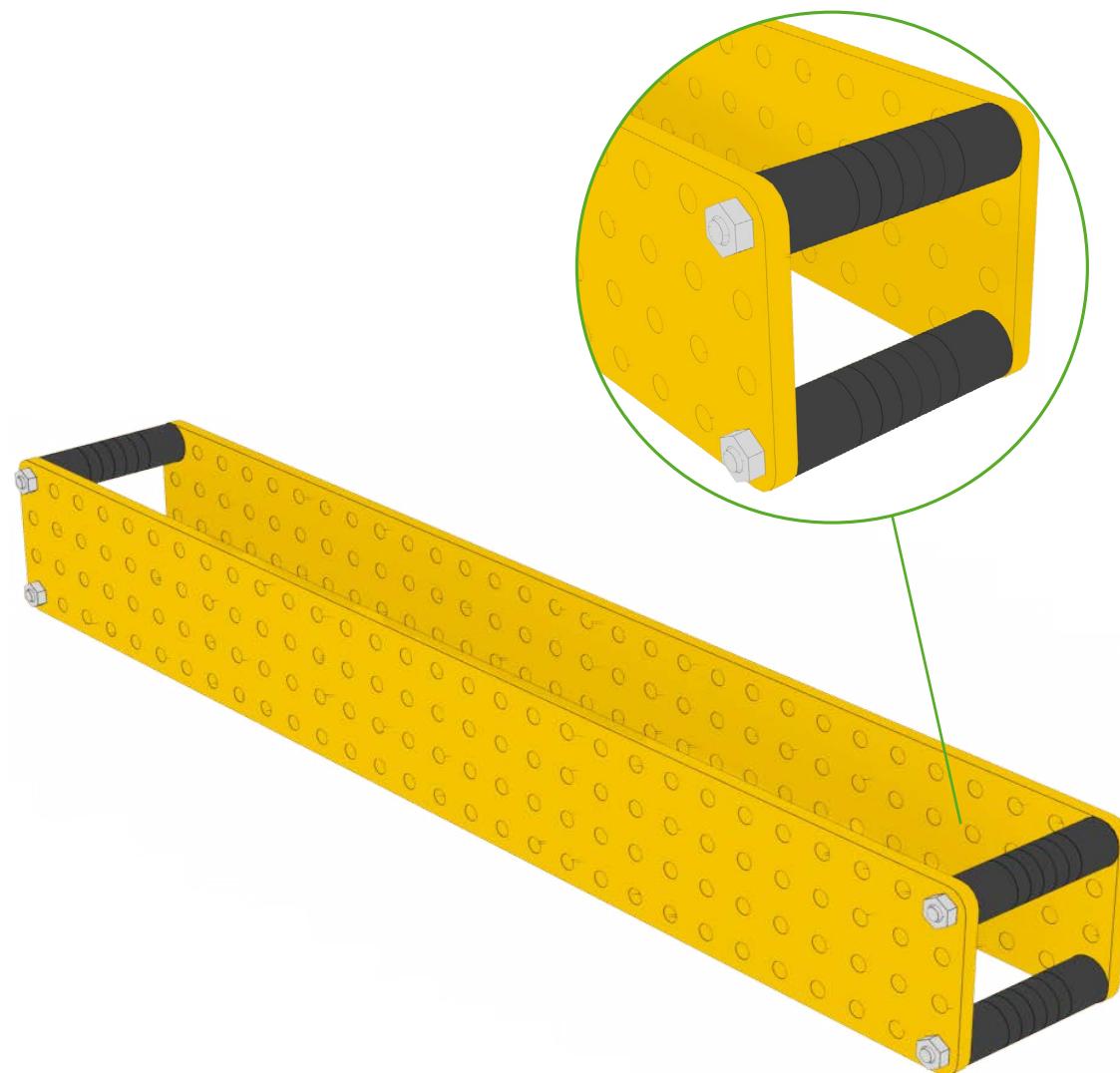
8 Separadores de goma
9mm



4 Tornillo 42 mm



4 Tuerca hexagonal



Paso 2

1 Soporte de motor



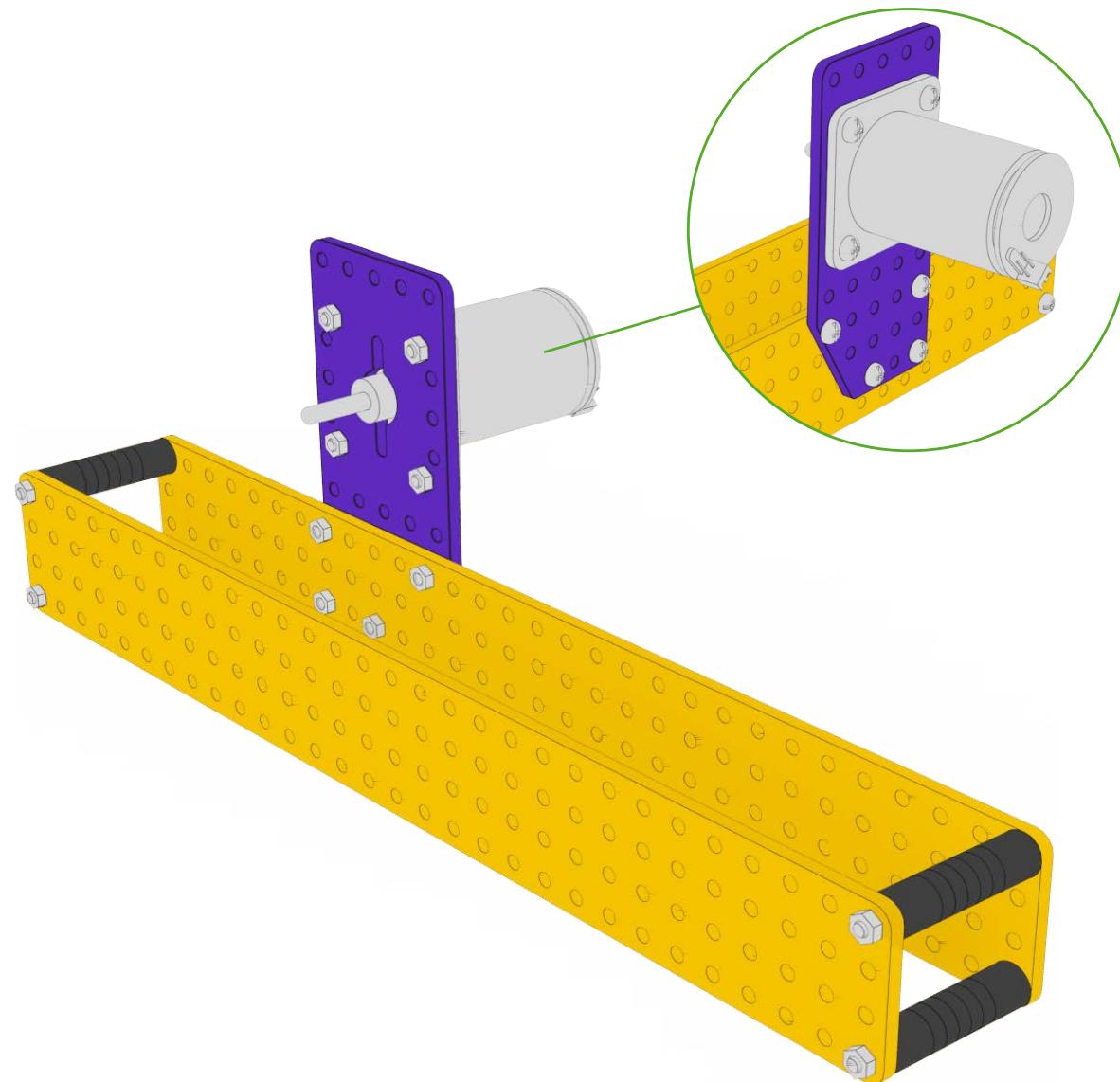
1 Motor



8 Tornillo 8 mm

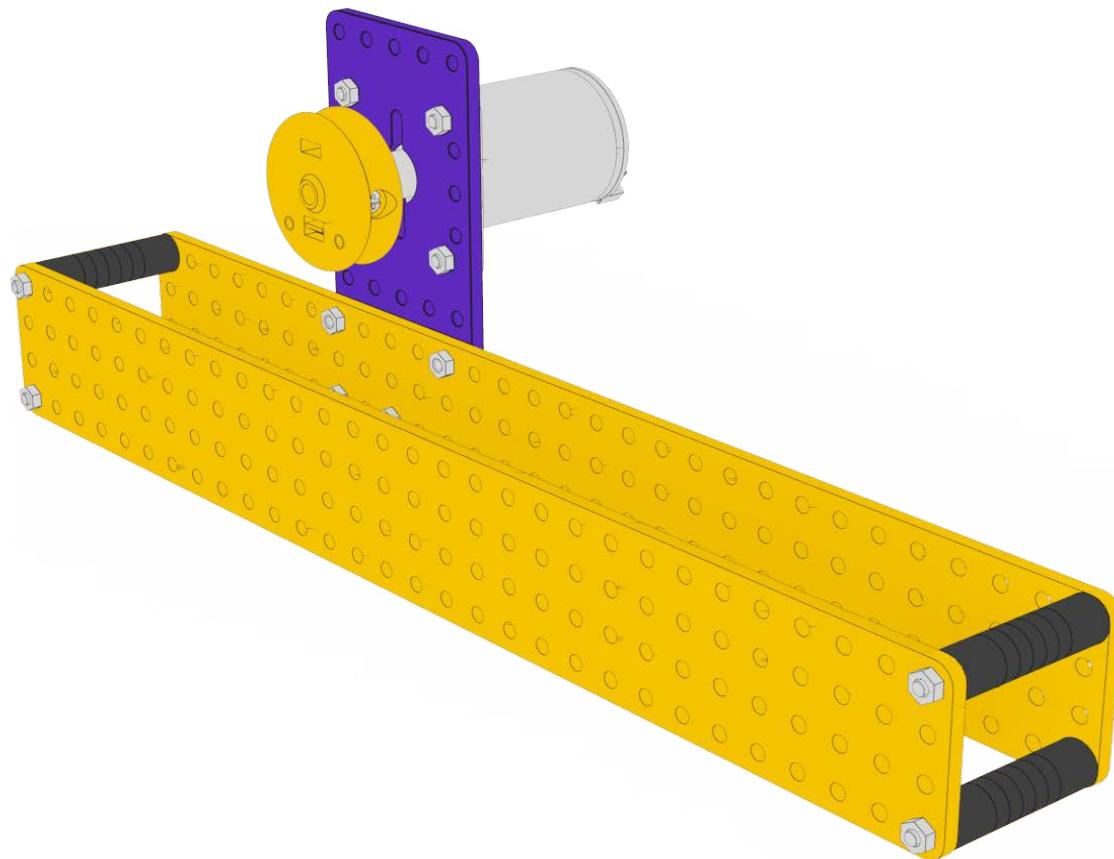


8 Tuerca hexagonal



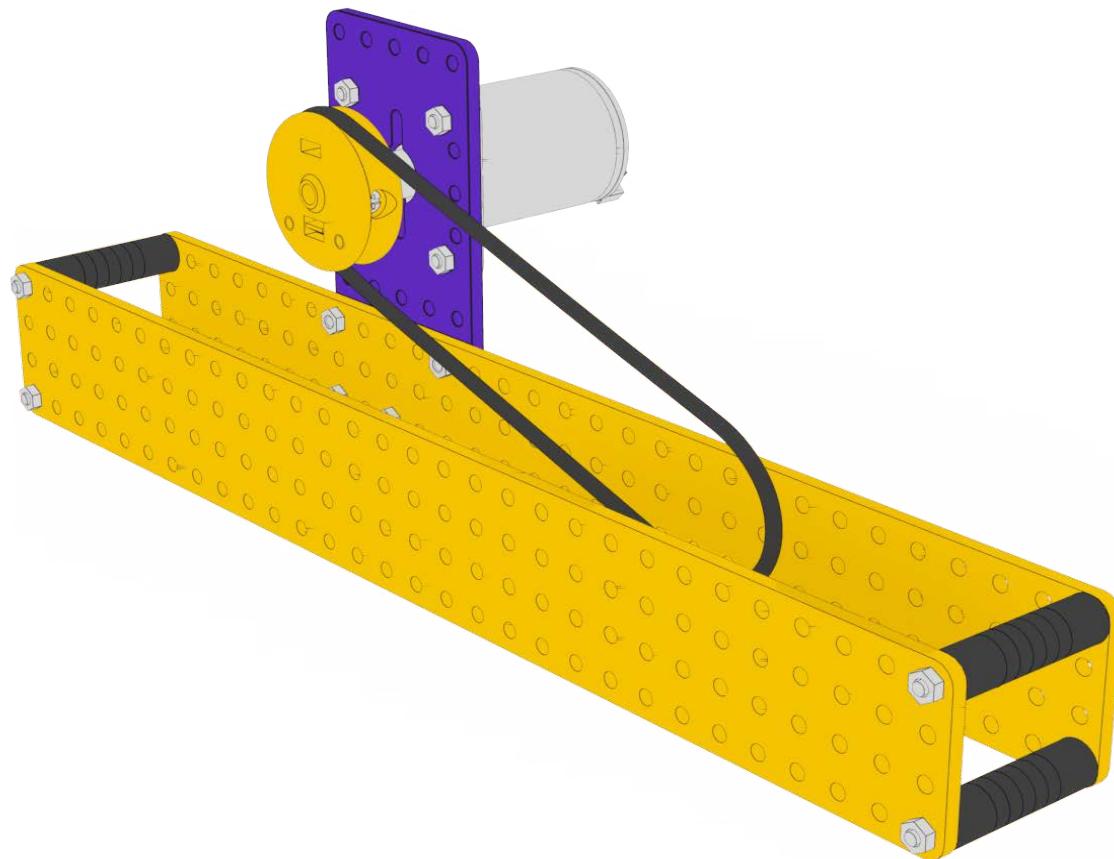
Paso 3

1 Polea chica amarilla 



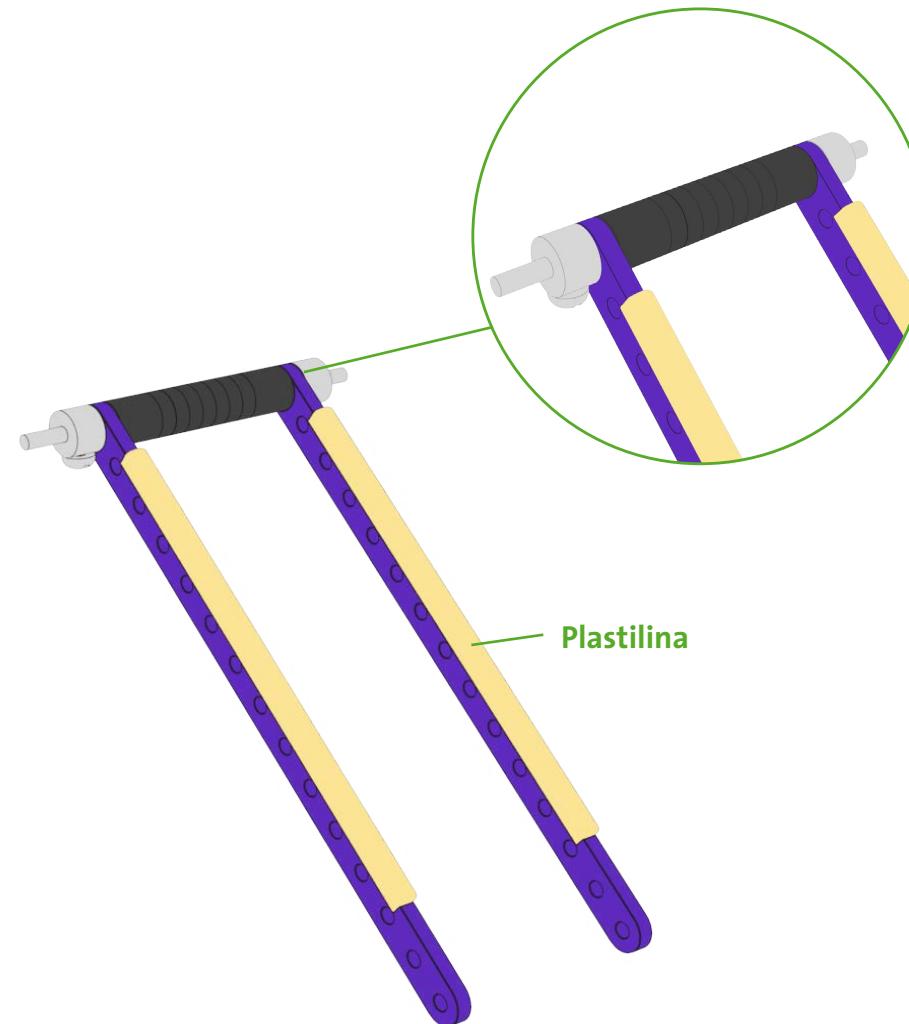
Paso 4

1 O-ring 154



Paso 5

- 2 Larguero 15
- 1 Eje 7,2
- 2 Ajuste de eje
- 7 Separadores de goma
3mm
- 2 Separadores de goma
9mm
- Plastilina



Paso 6

Unir armados de PASO 4 + 5

1 Eje 7,2



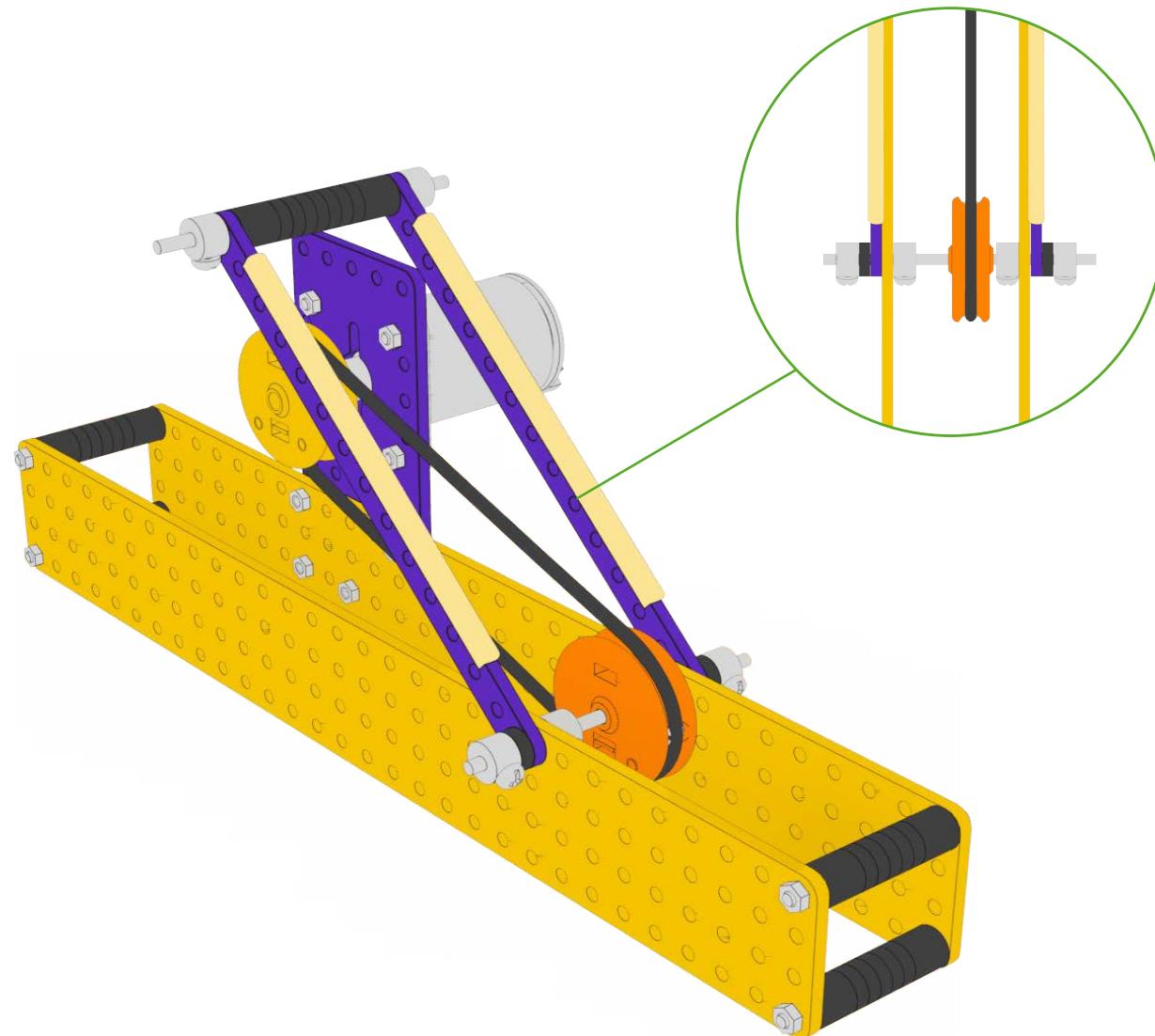
4 Ajuste de eje



2 Separadores de goma
3mm

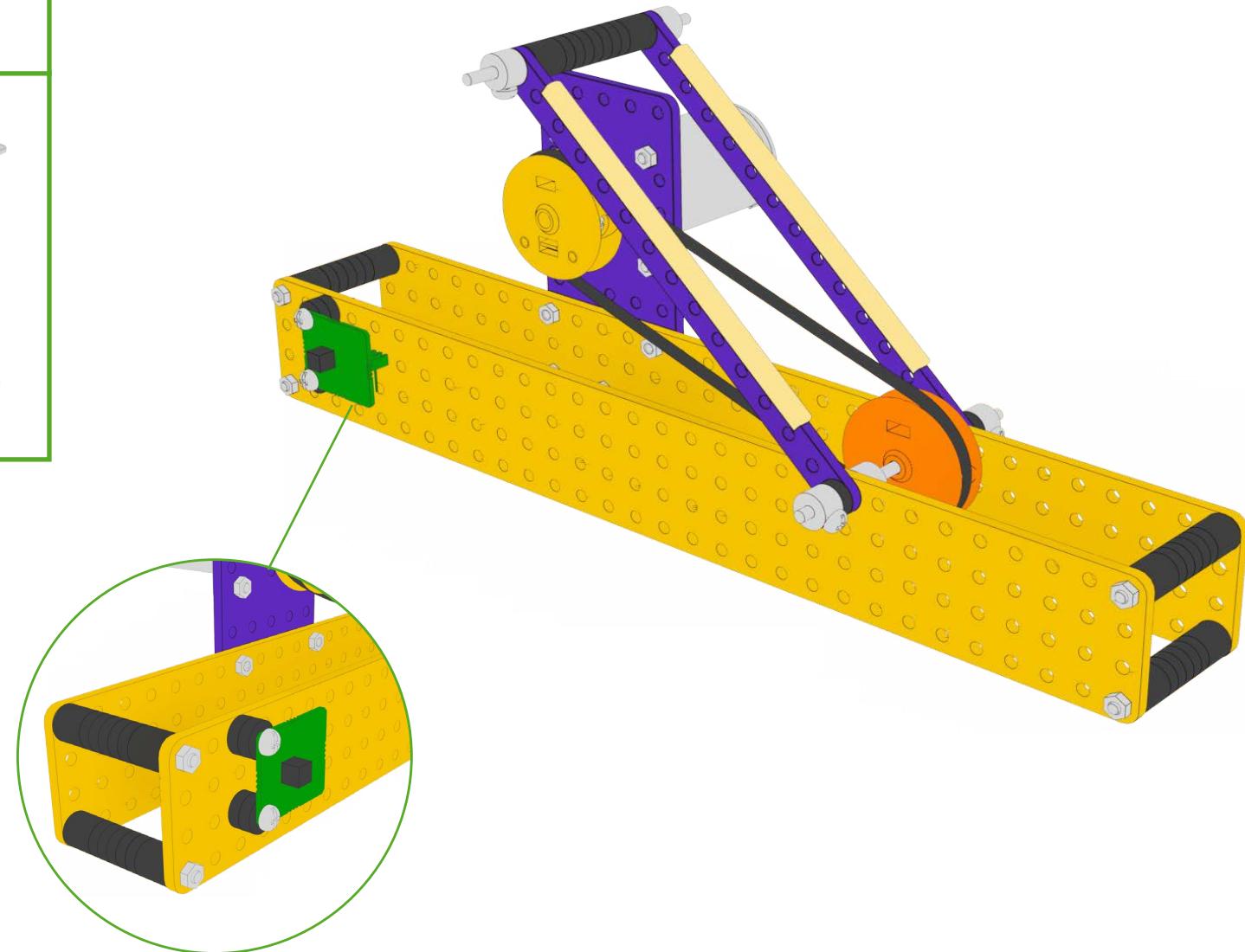


1 Polea chica naranja



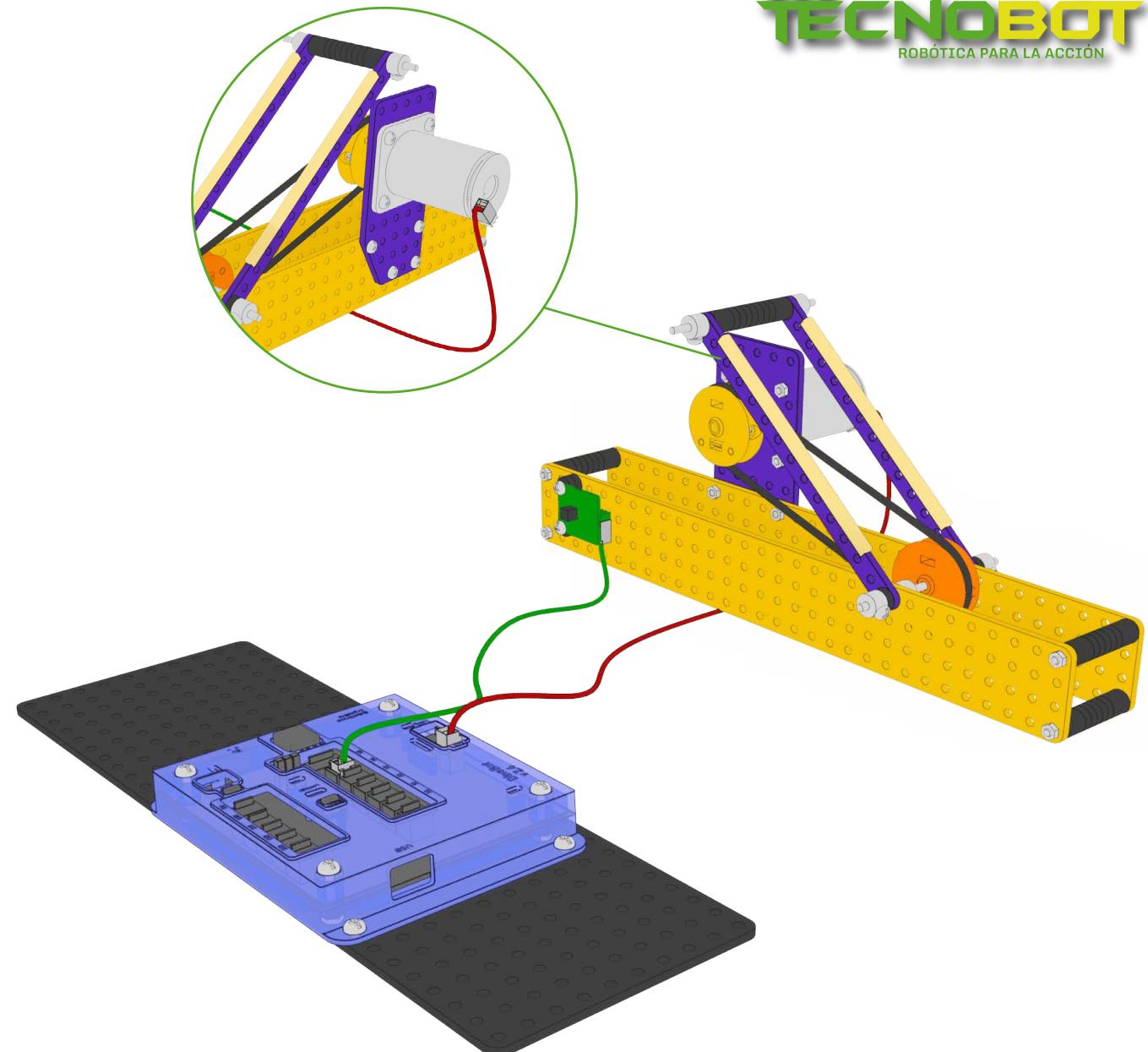
Paso 7

- 1 Sensor IR - CNY70 (infrarrojo) 
- 2 Tornillo 16 mm 
- 2 Tuerca hexagonal 
- 4 Separadores de goma 3mm 



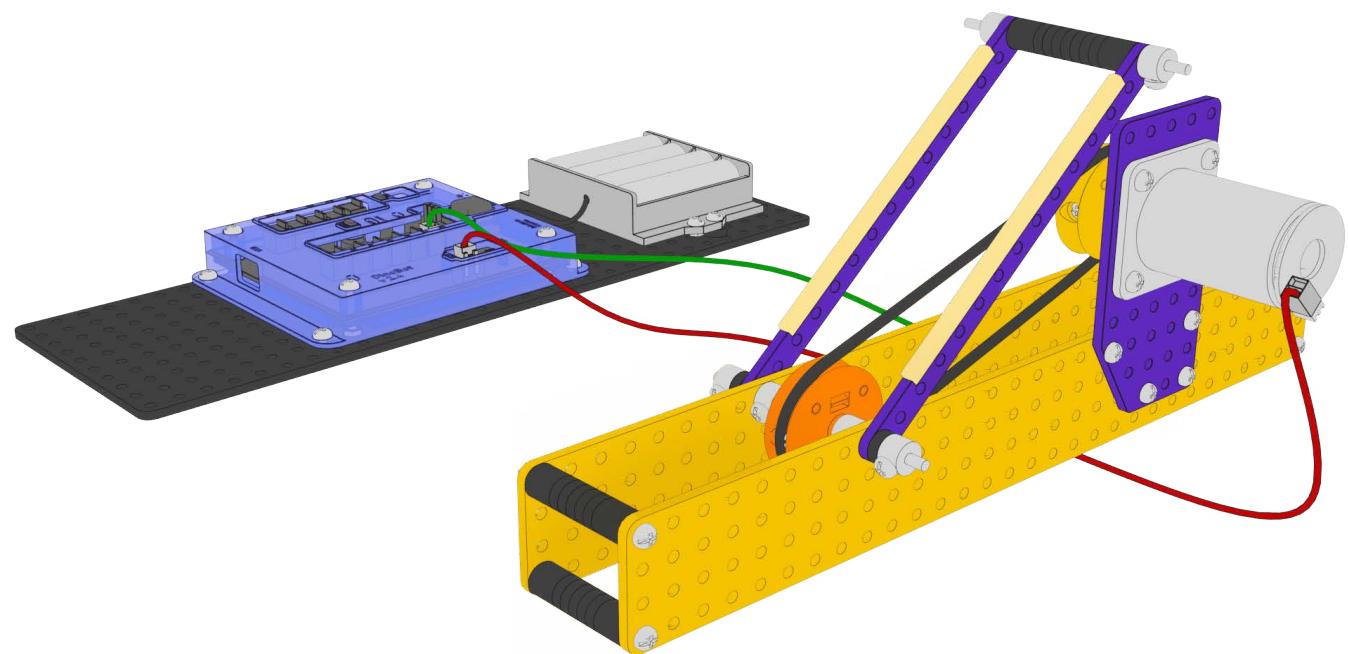
Paso 8

- 1 Plancha 30x10 
- 1 Cable de motor 
- 1 Cable de sensor 
- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 

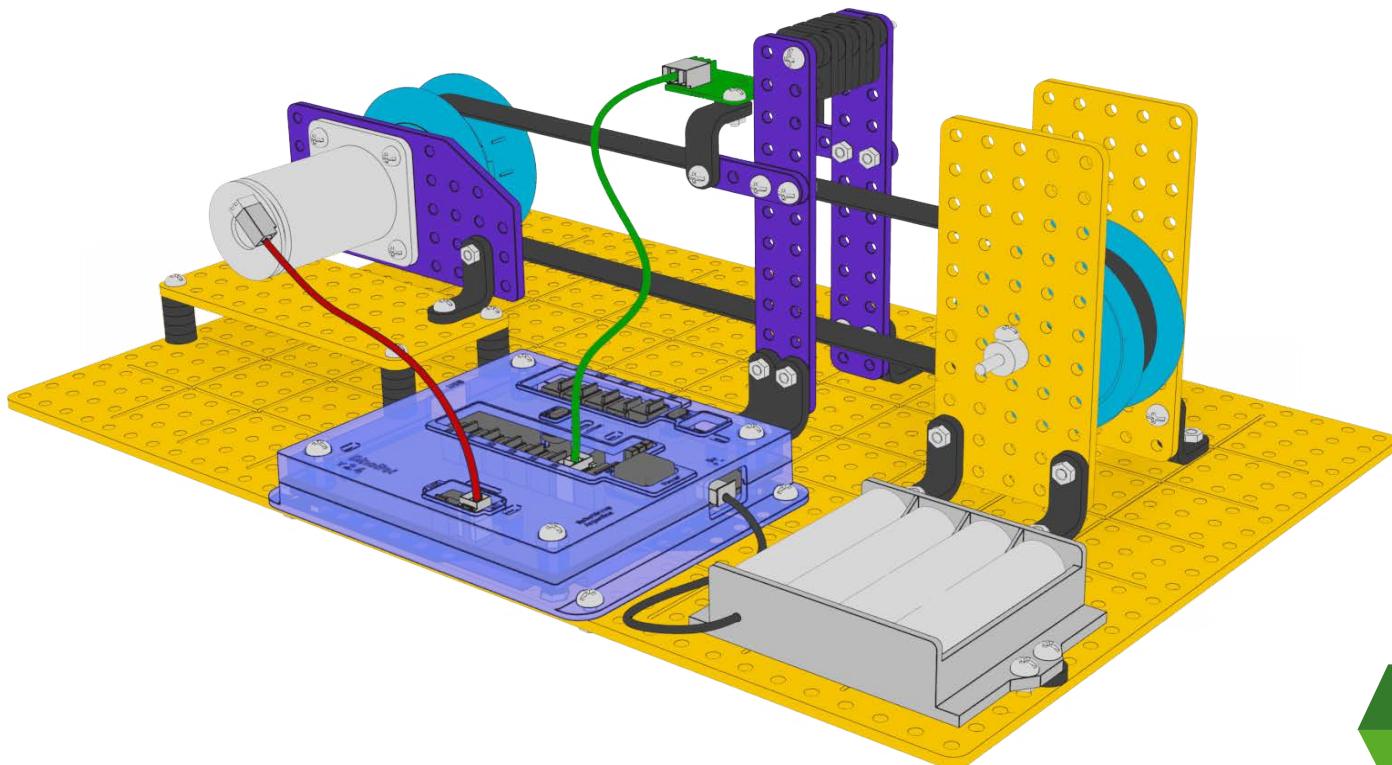


Paso 9

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 



Secuencia de armado de una cinta transportadora

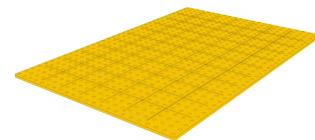


MATERIAL EXTRA

Elástico de
2 cm de
ancho máximo

Paso 1

1 Plancha 35x23



1 Plancha 11x5



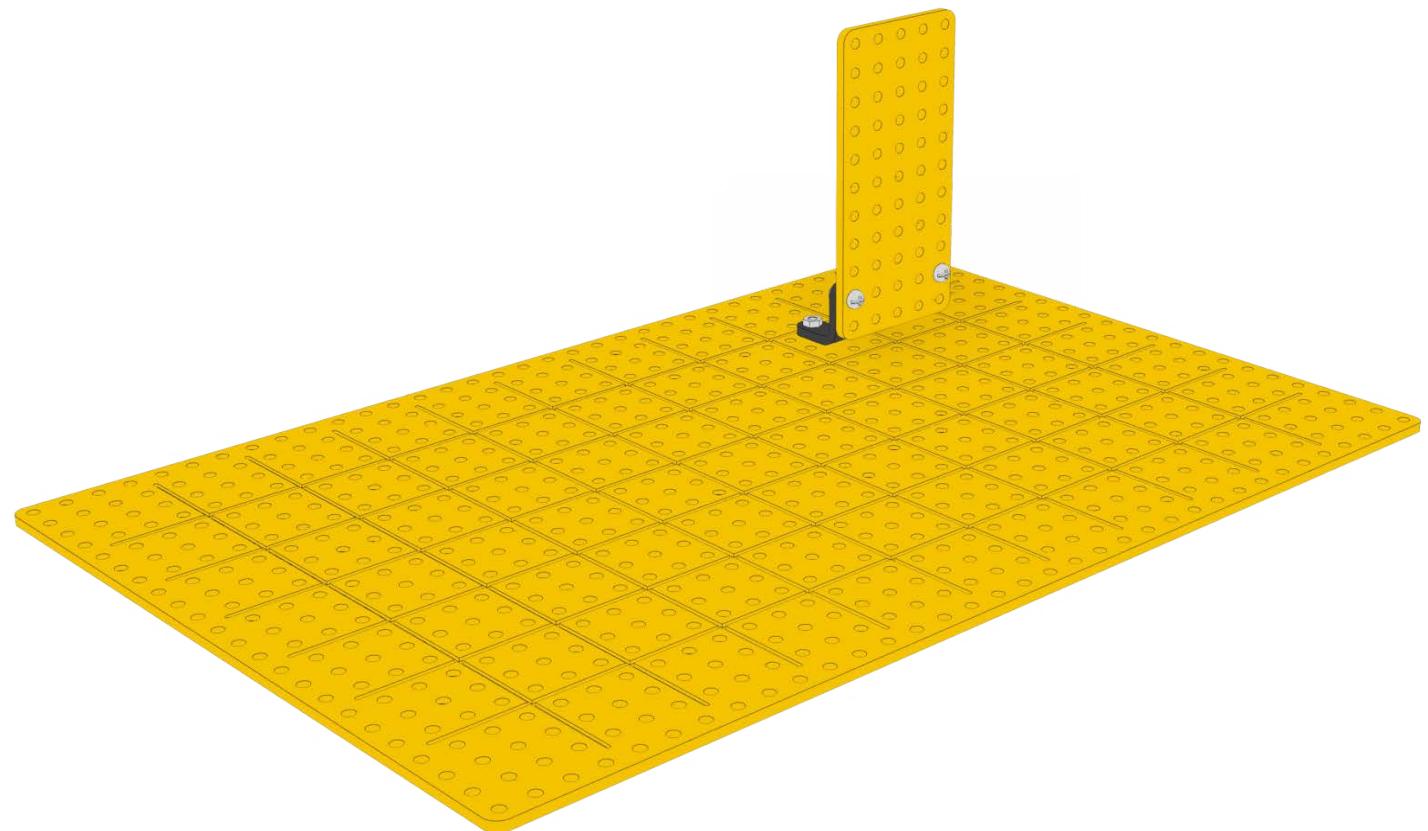
2 L



4 Tornillo 8 mm



4 Tuerca hexagonal



Paso 2

1 Plancha 11x5



2 L



4 Tornillo 8 mm



4 Tuerca hexagonal



1 Polea ancha celeste



1 Eje 7,2



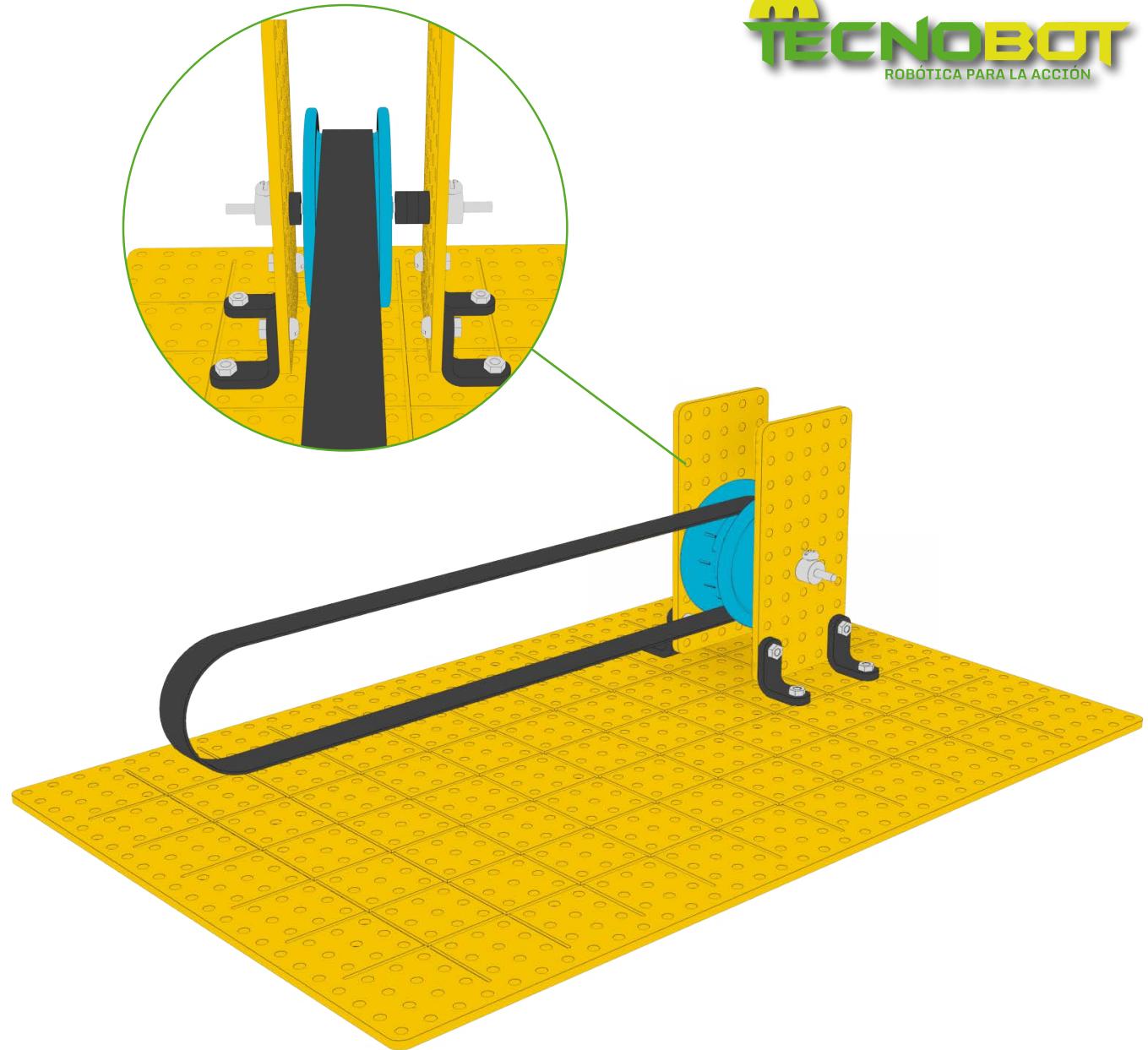
2 Ajuste de eje



4 Separadores de goma
3mm

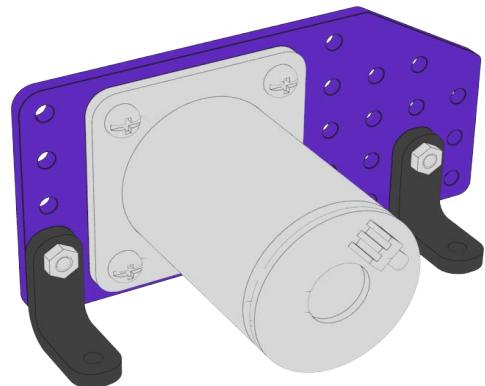


Cinta o elástico



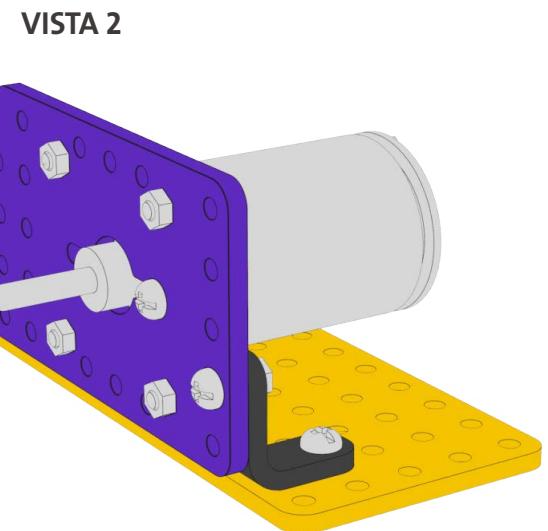
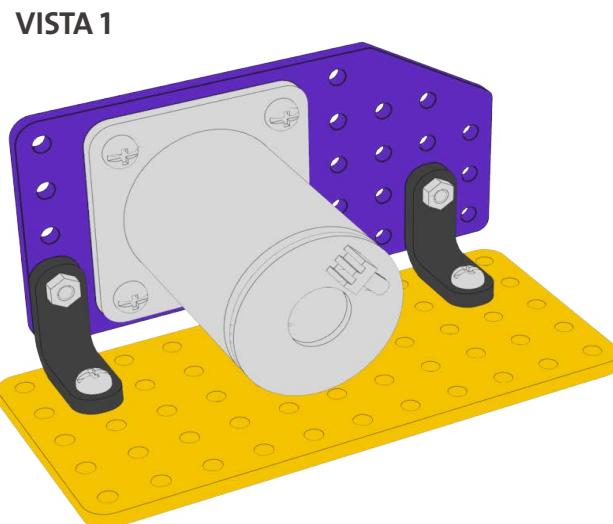
Paso 3

- 1 Soporte de motor
- 1 Motor
- 2 L
- 6 Tornillo 8 mm
- 6 Tuerca hexagonal



Paso 4

- 1 Plancha 11x5
- 2 Tornillo 8 mm
- 2 Tuerca hexagonal



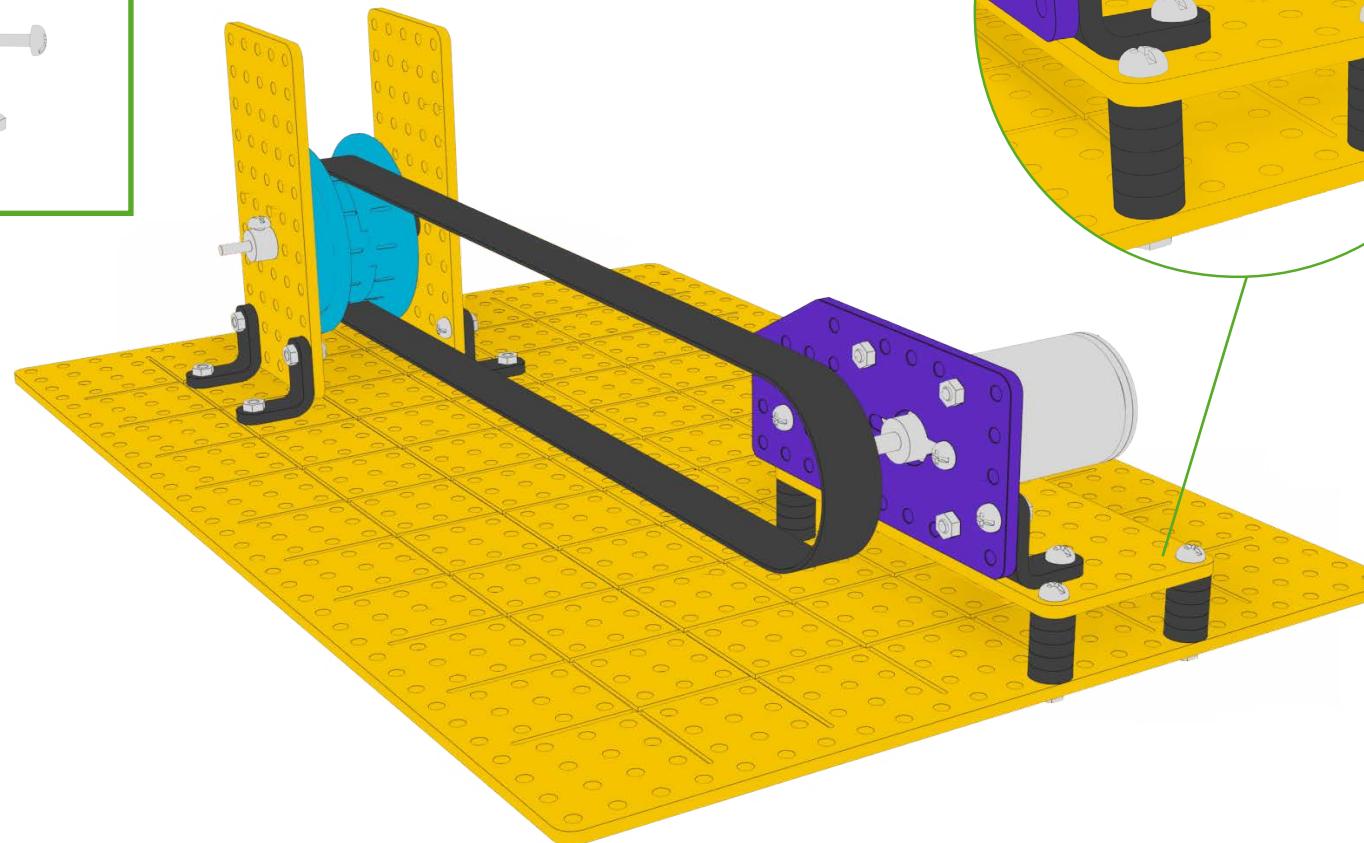
Paso 5

Unir armados de PASO 2 + 4

20 Separadores de goma
3mm

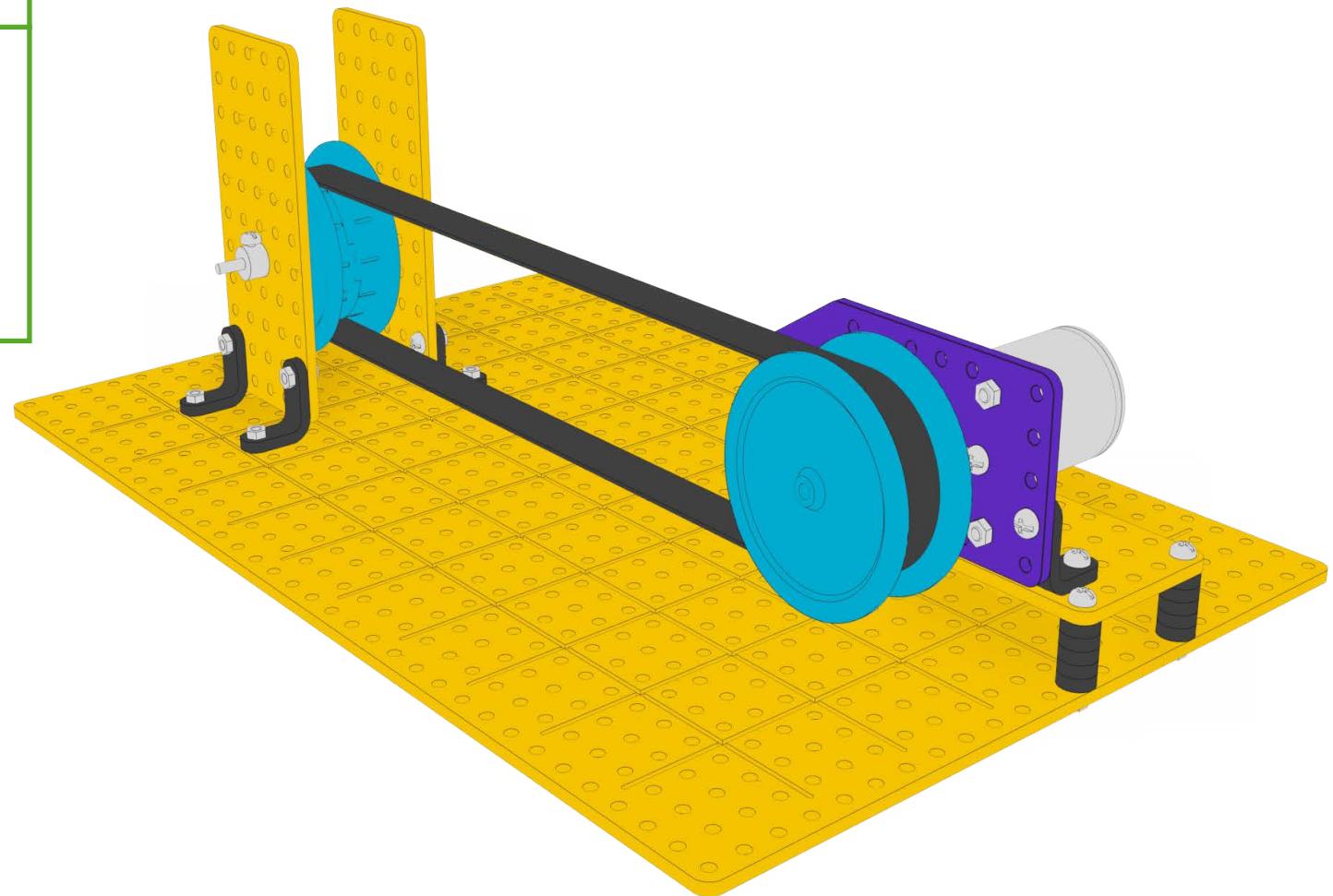
4 Tornillo 24 mm

4 Tuerca hexagonal



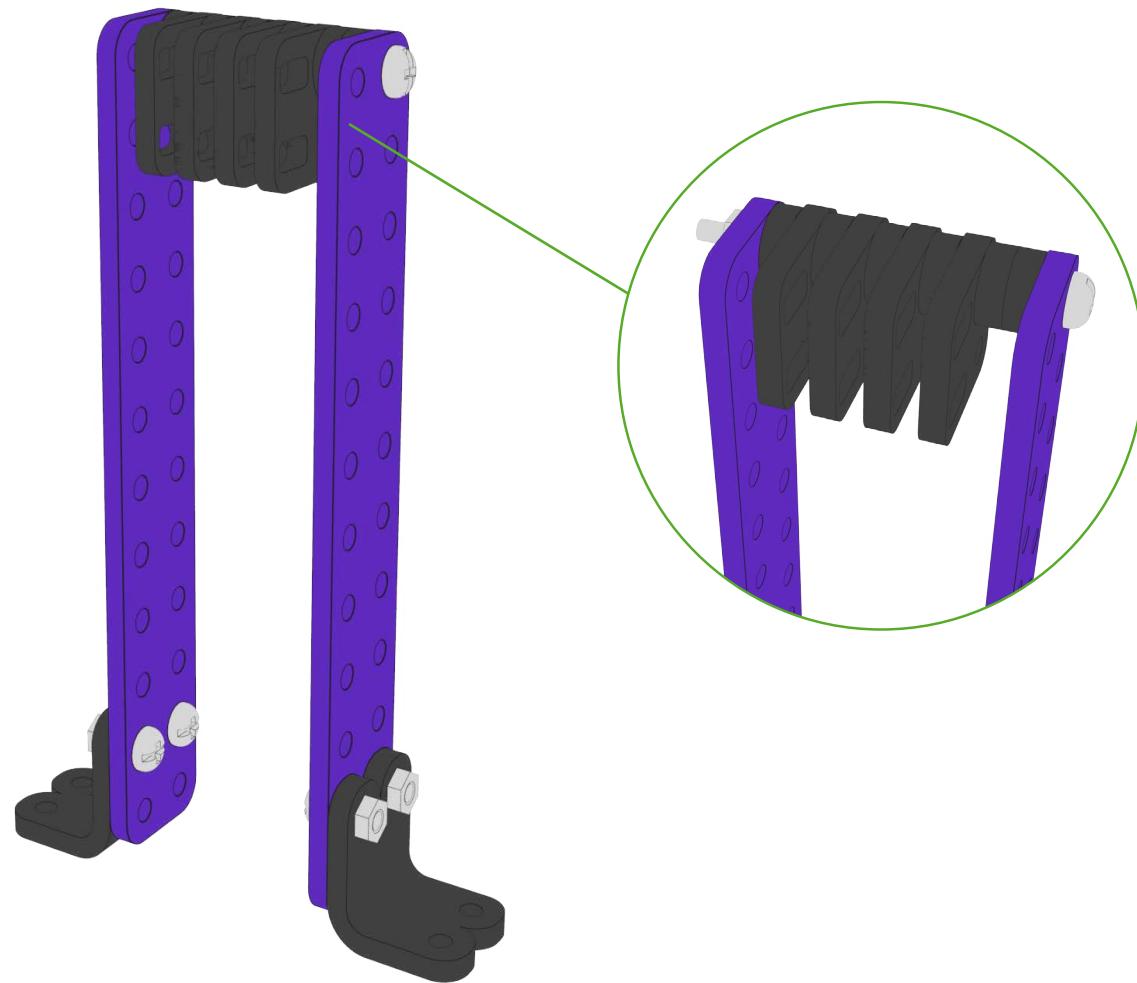
Paso 6

- 1 Polea ancha celeste y amarilla



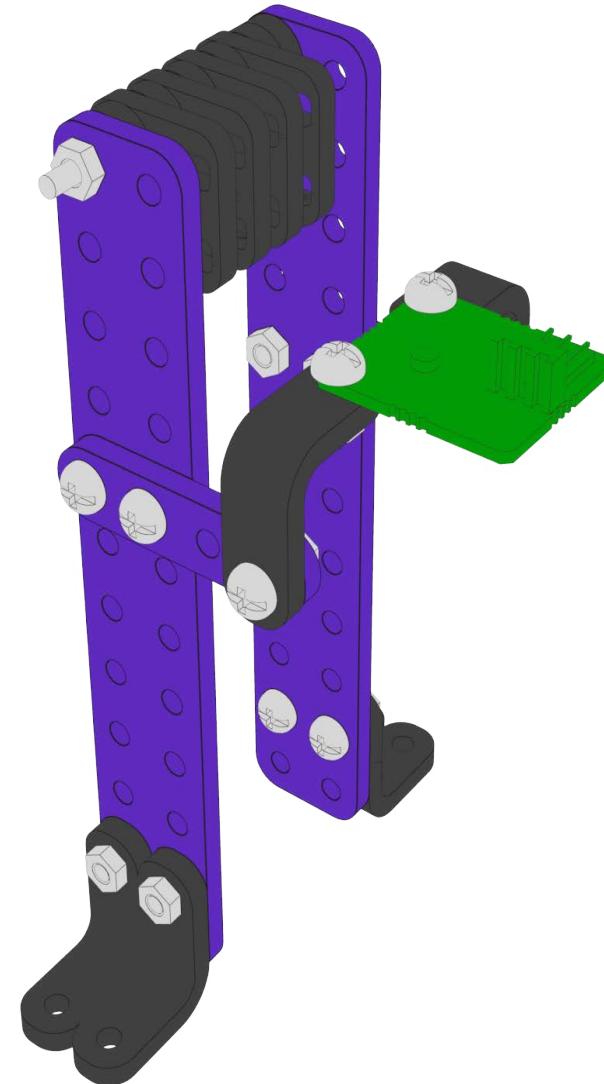
Paso 7

- 2 Plancha 12x2 
- 4 Soporte cuadrado 
- 1 Tornillo 42 mm 
- 4 Tornillo 8 mm 
- 5 Tuerca hexagonal 
- 6 Separadores de goma 3mm 
- 4 L 



Paso 8

- 1 Sensor IR - CNY70 (infrarrojo) 
- 1 Larguero 4 
- 8 Tornillo 8 mm 
- 8 Tuerca hexagonal 
- 2 L 



Paso 9

Unir armados de PASO 6 + 8

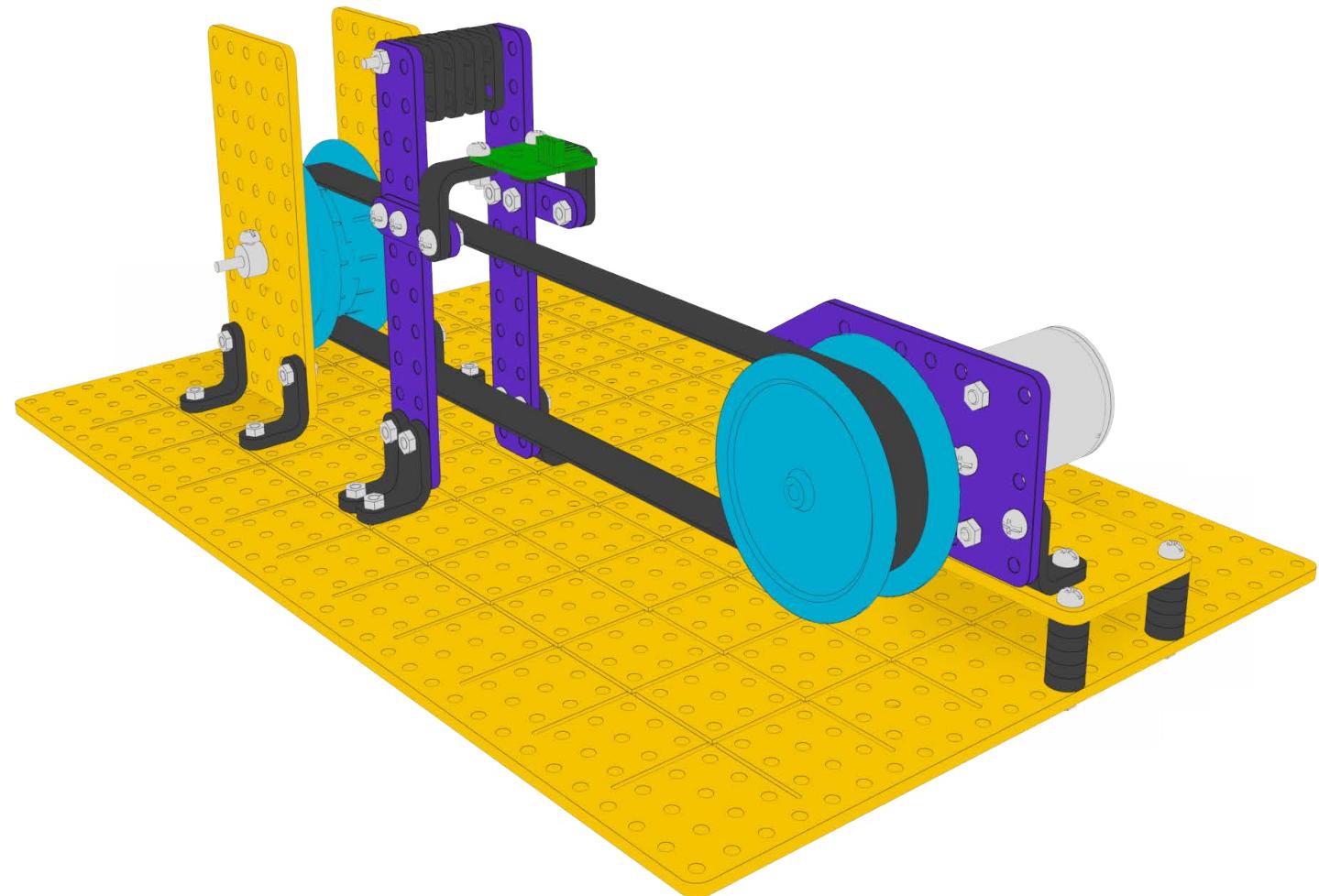
4 Tornillo 8 mm



4 Tuerca hexagonal

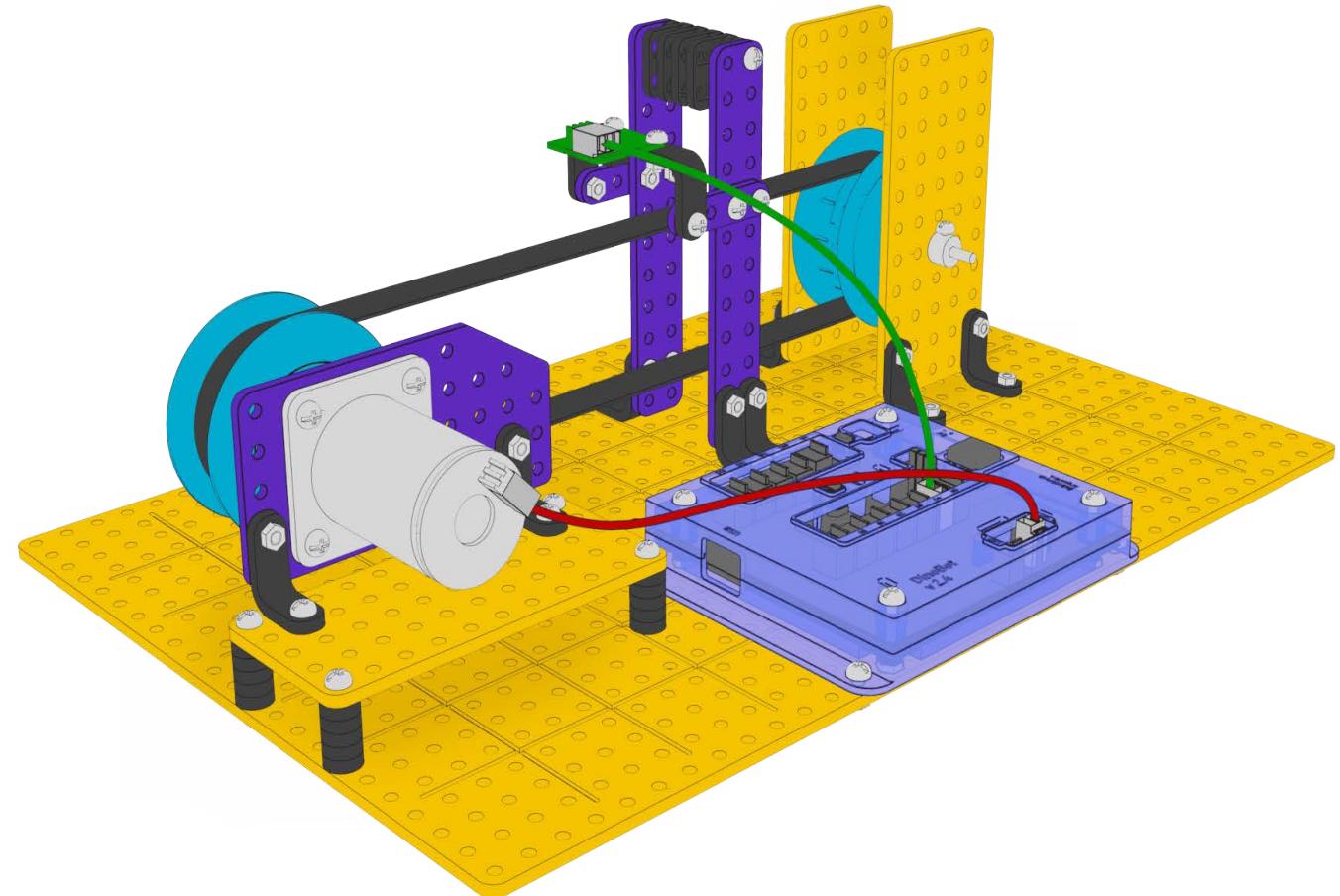


4 L



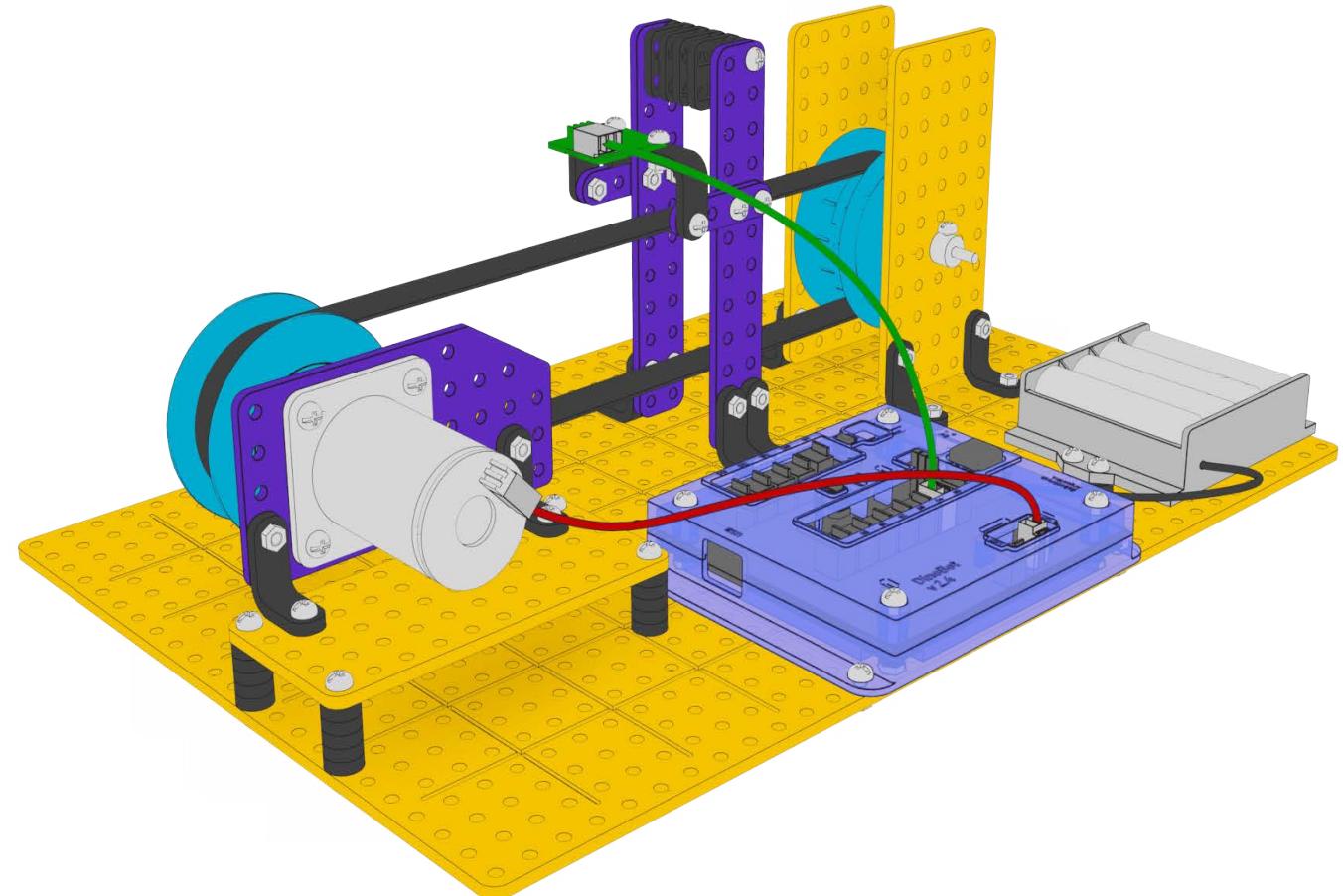
Paso 10

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 
- 1 Cable de motor 
- 1 Cable de sensor 

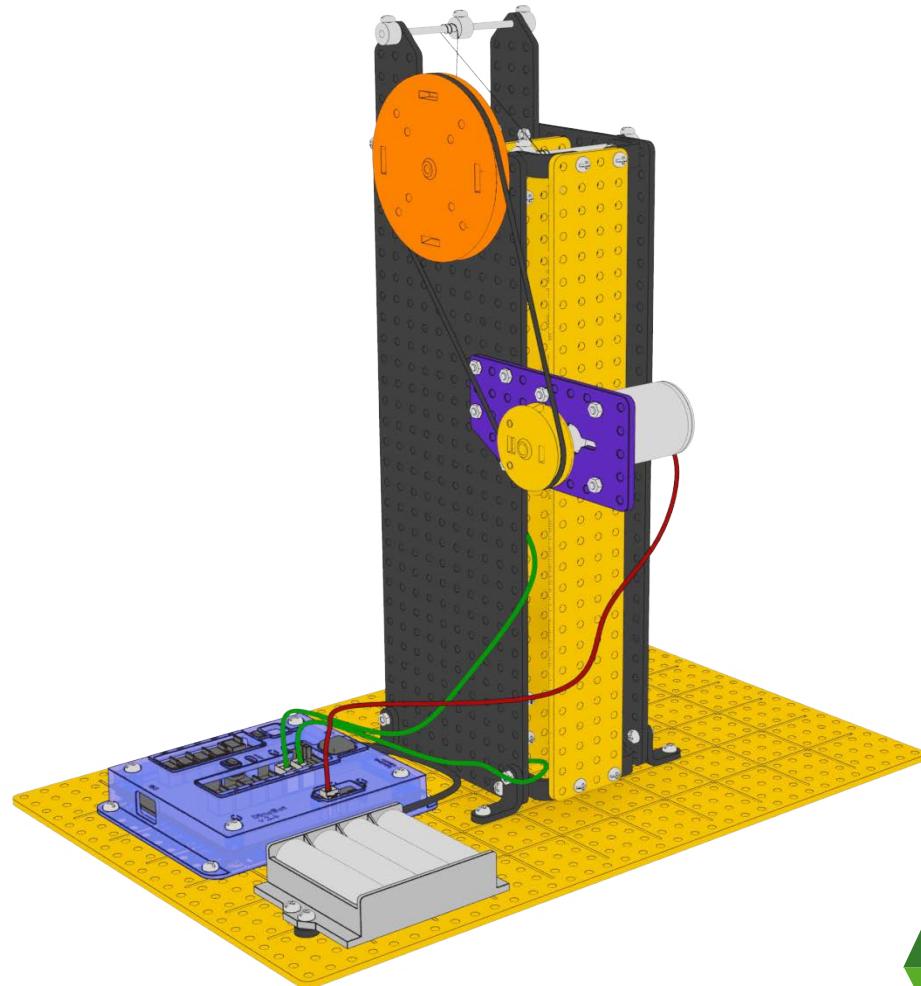


Paso 11

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 



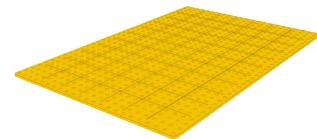
Secuencia de armado de un elevador



MATERIAL
EXTRA
Hilo

Paso 1

1 Plancha 35x23



2 Plancha 30x10



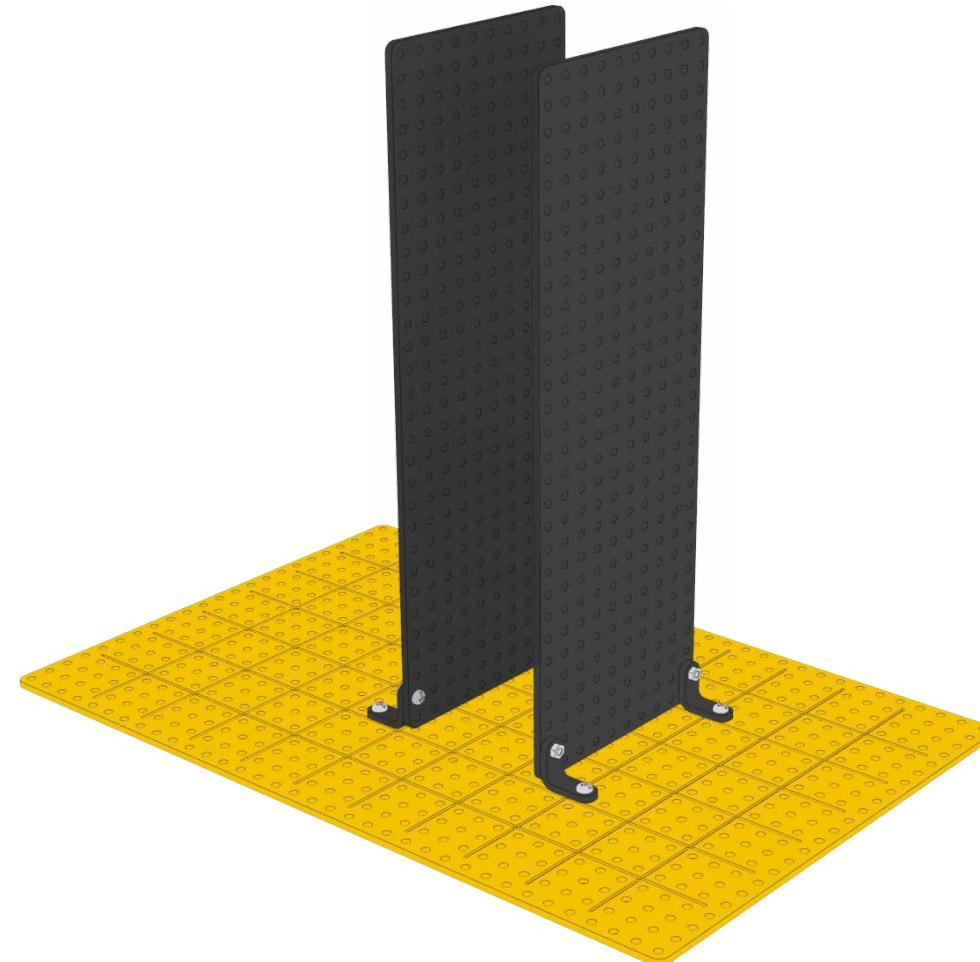
4 L



8 Tornillo 8 mm

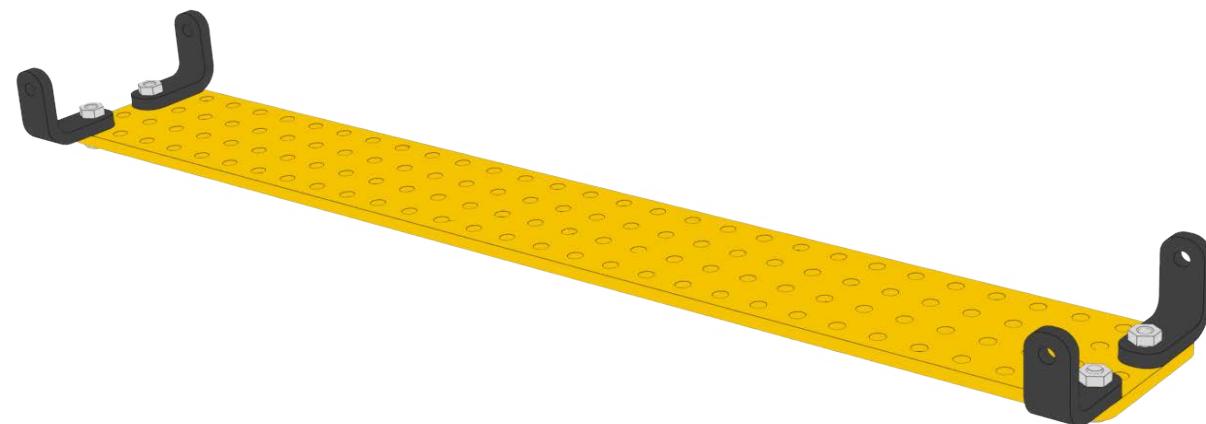


8 Tuerca hexagonal



Paso 2

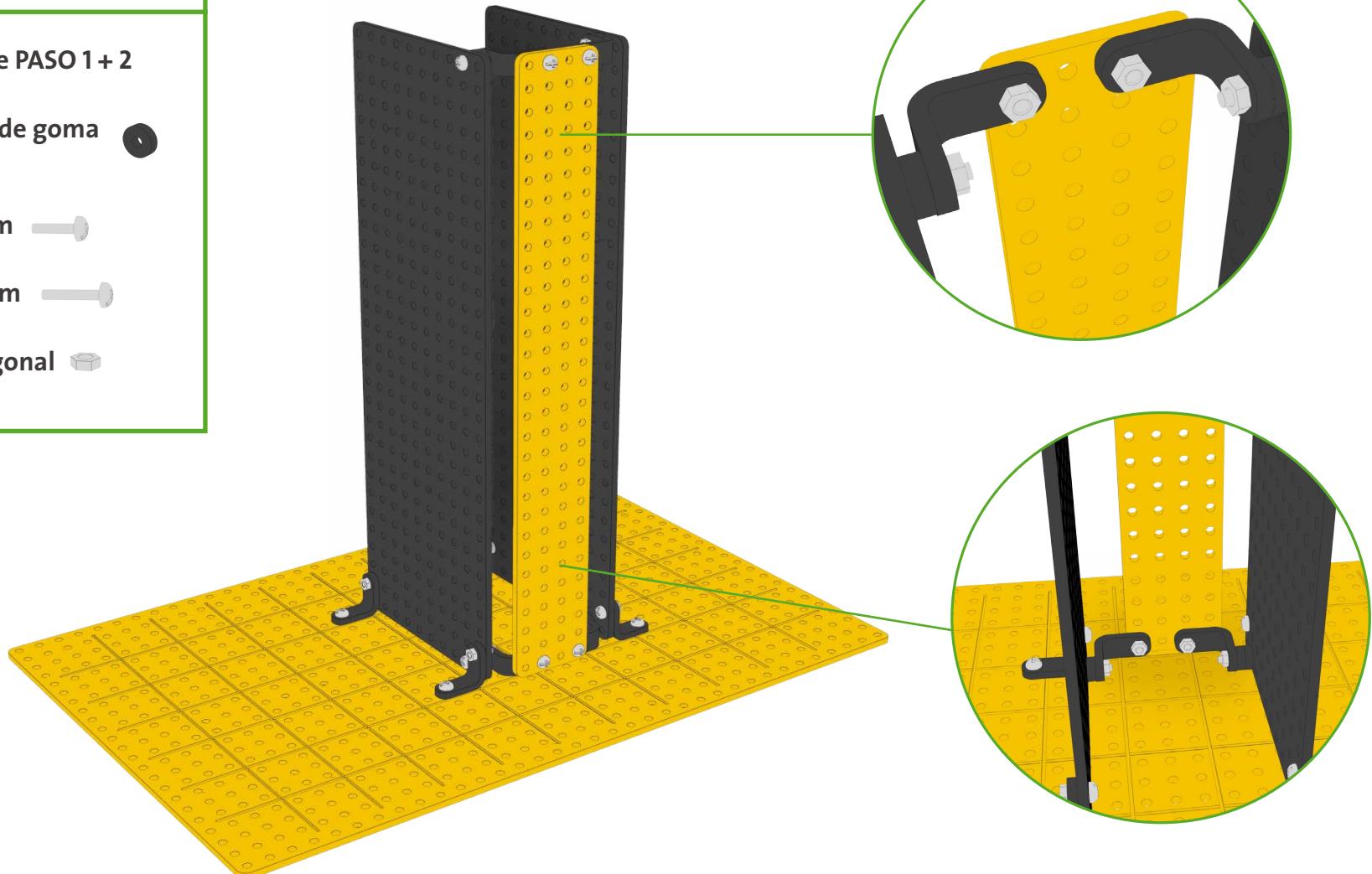
- 1 Plancha 30x4
- 4 L
- 4 Tornillo 8 mm
- 4 Tuerca hexagonal



Paso 3

Unir armados de PASO 1 + 2

- 6 Separadores de goma 3mm
- 2 Tornillo 12 mm
- 2 Tornillo 16 mm
- 4 Tuerca hexagonal



Paso 4

2 Plancha 11x5



8 Anclaje a 90 grados



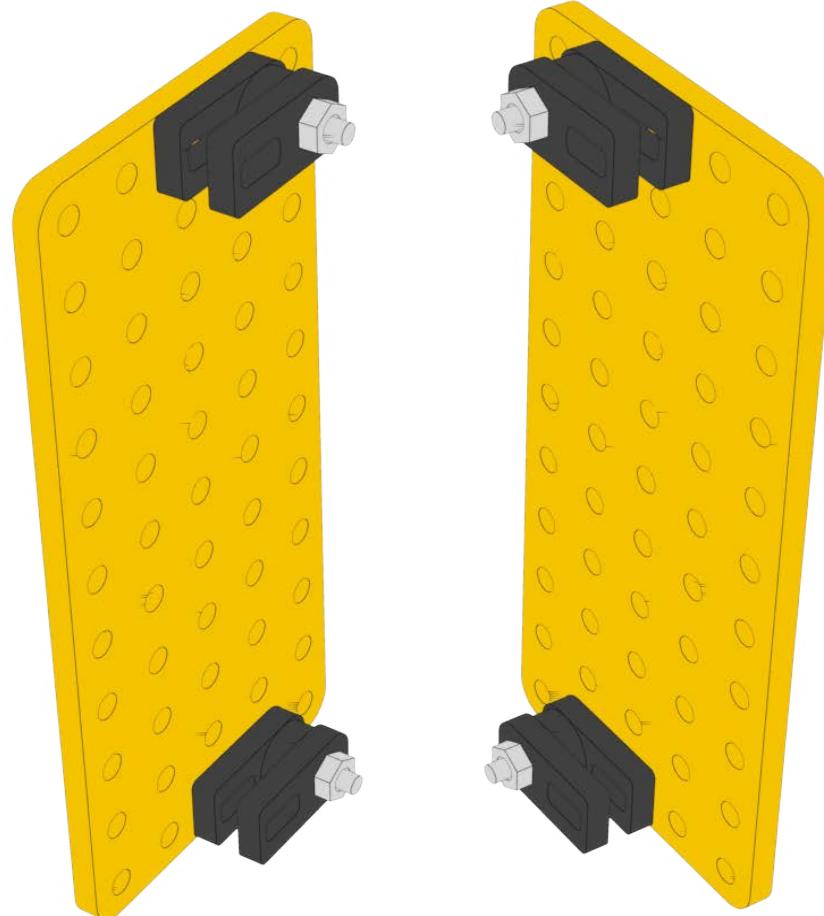
4 Separadores de goma
3mm



4 Tornillo 16 mm

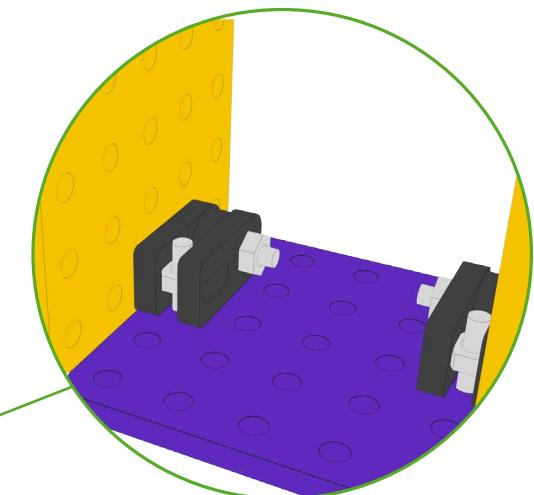
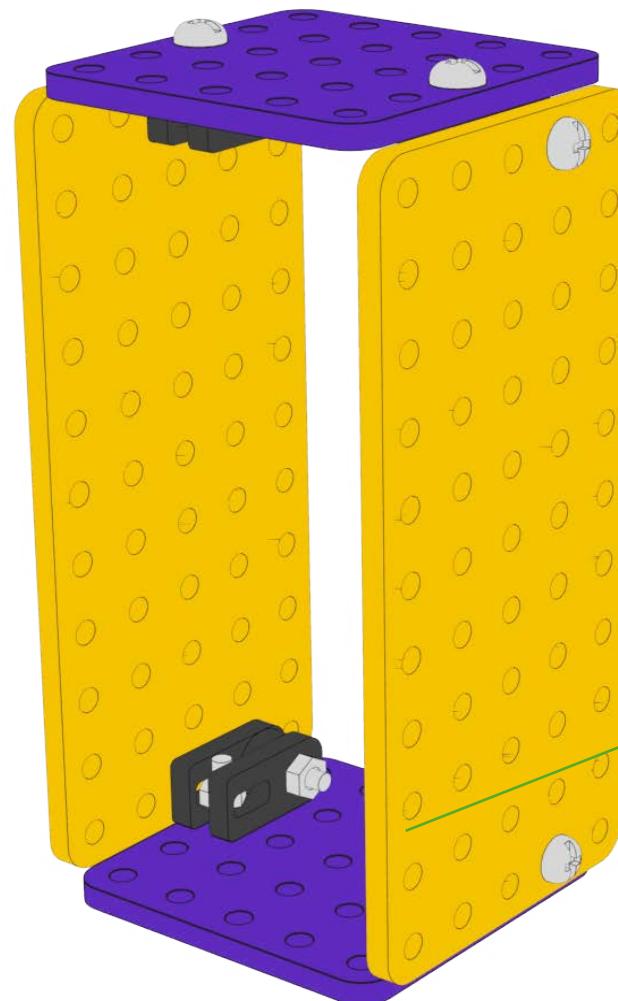


4 Tuerca hexagonal



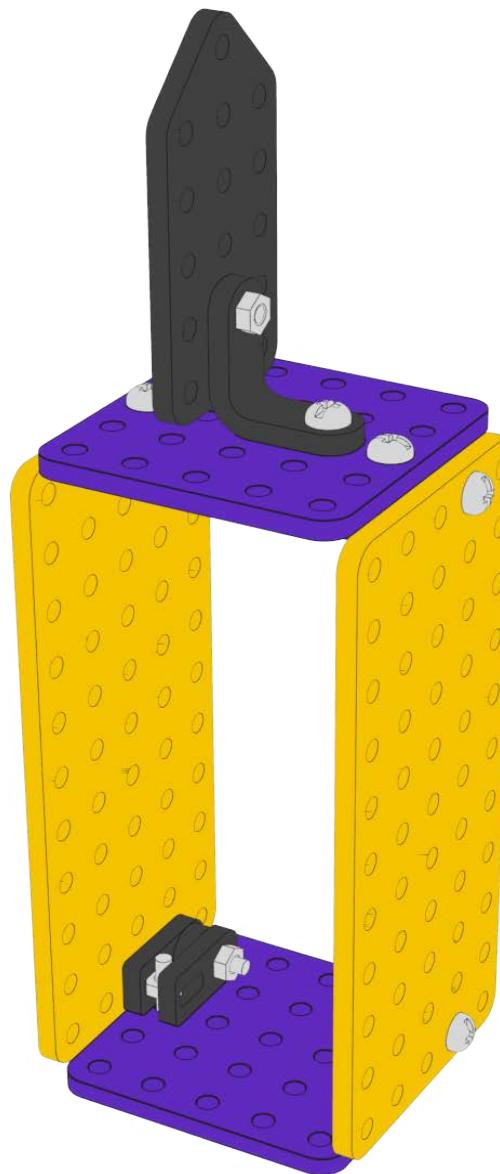
Paso 5

- 2 Plancha 5x5 
- 4 Tornillo 12 mm 
- 4 Tuerca hexagonal 



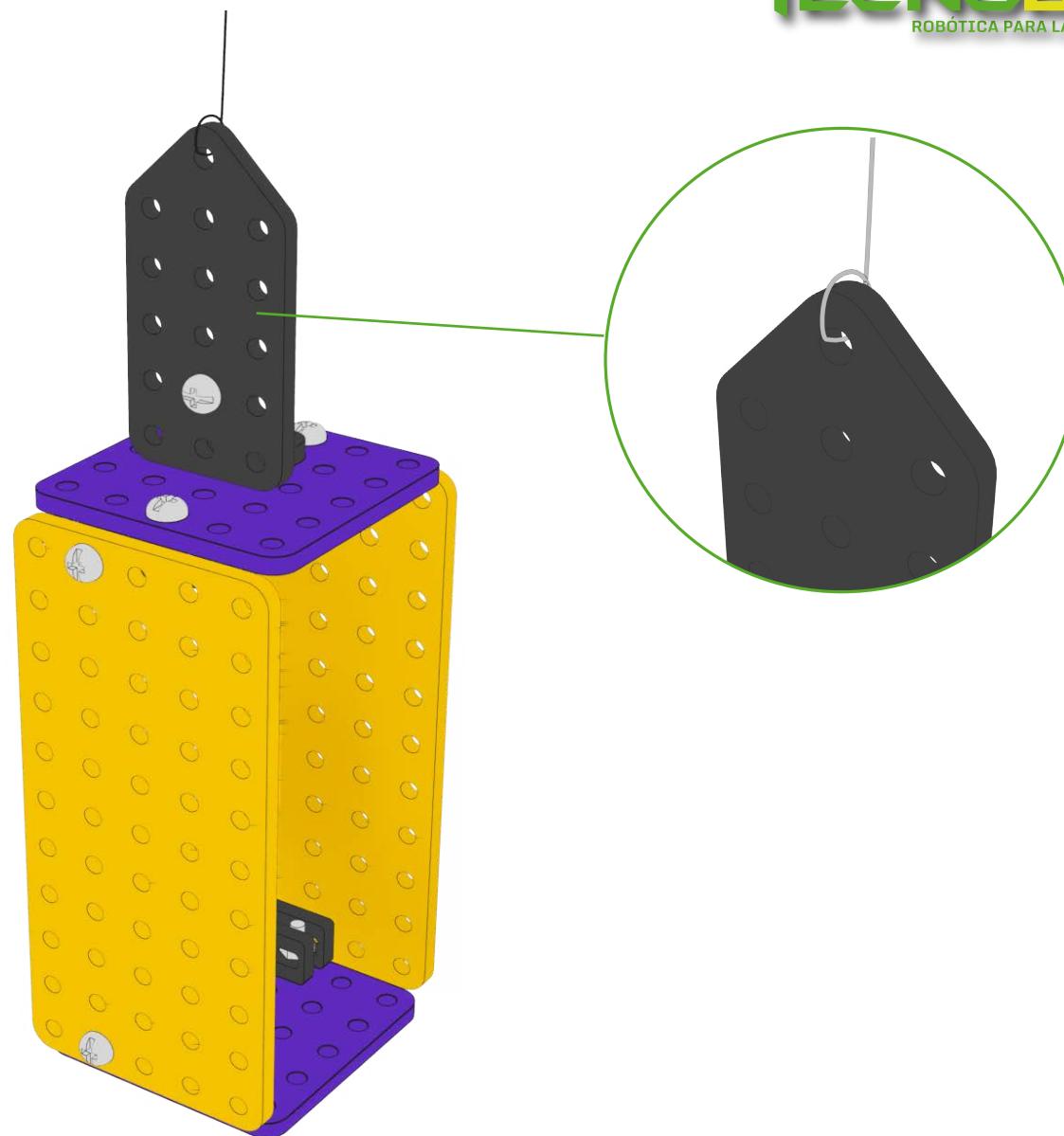
Paso 6

- 1 Polígono 
- 2 Tornillo 8 mm 
- 2 Tuerca hexagonal 
- 1 L 



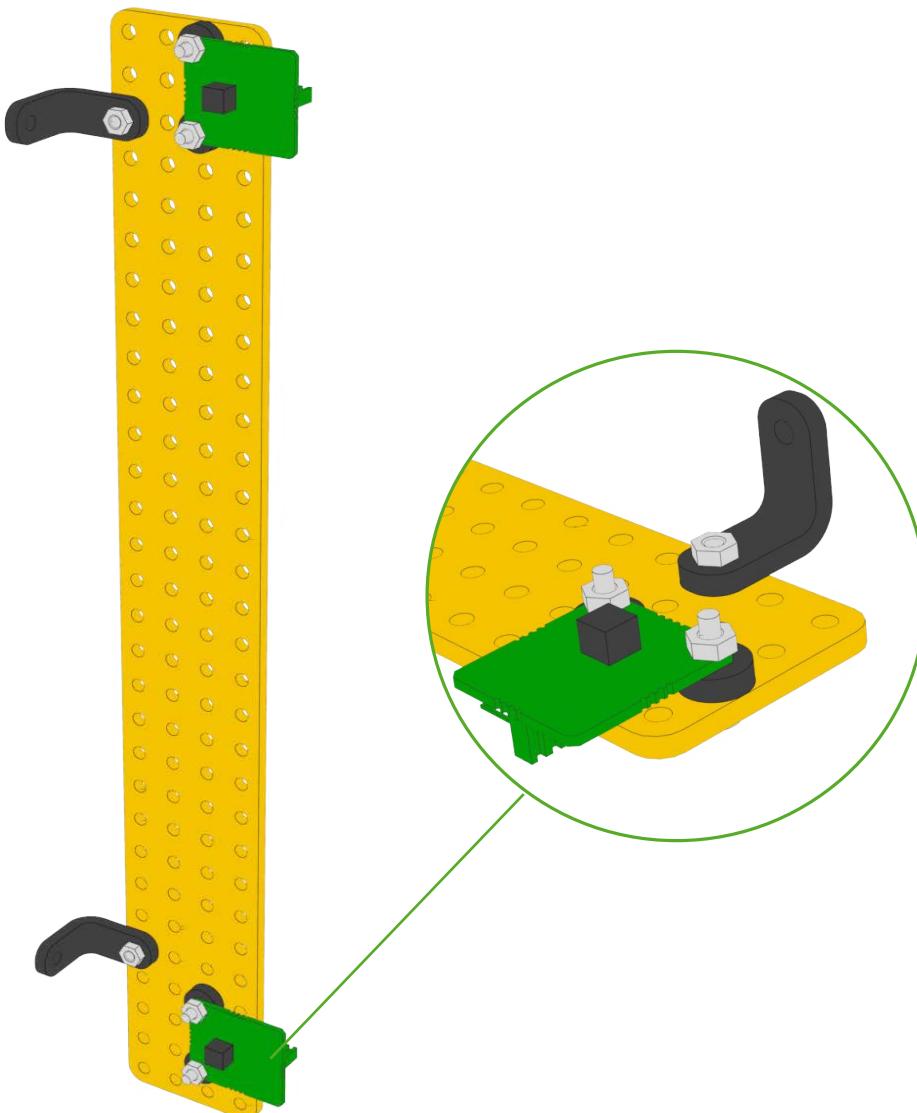
Paso 7

Hilo



Paso 8

- 2 Sensor IR - CNY70
(infrarrojo)
- 1 Plancha 30x4
- 2 L
- 2 Tornillo 8 mm
- 4 Tornillo 12 mm
- 6 Tuerca hexagonal
- 4 Separadores de goma
3mm

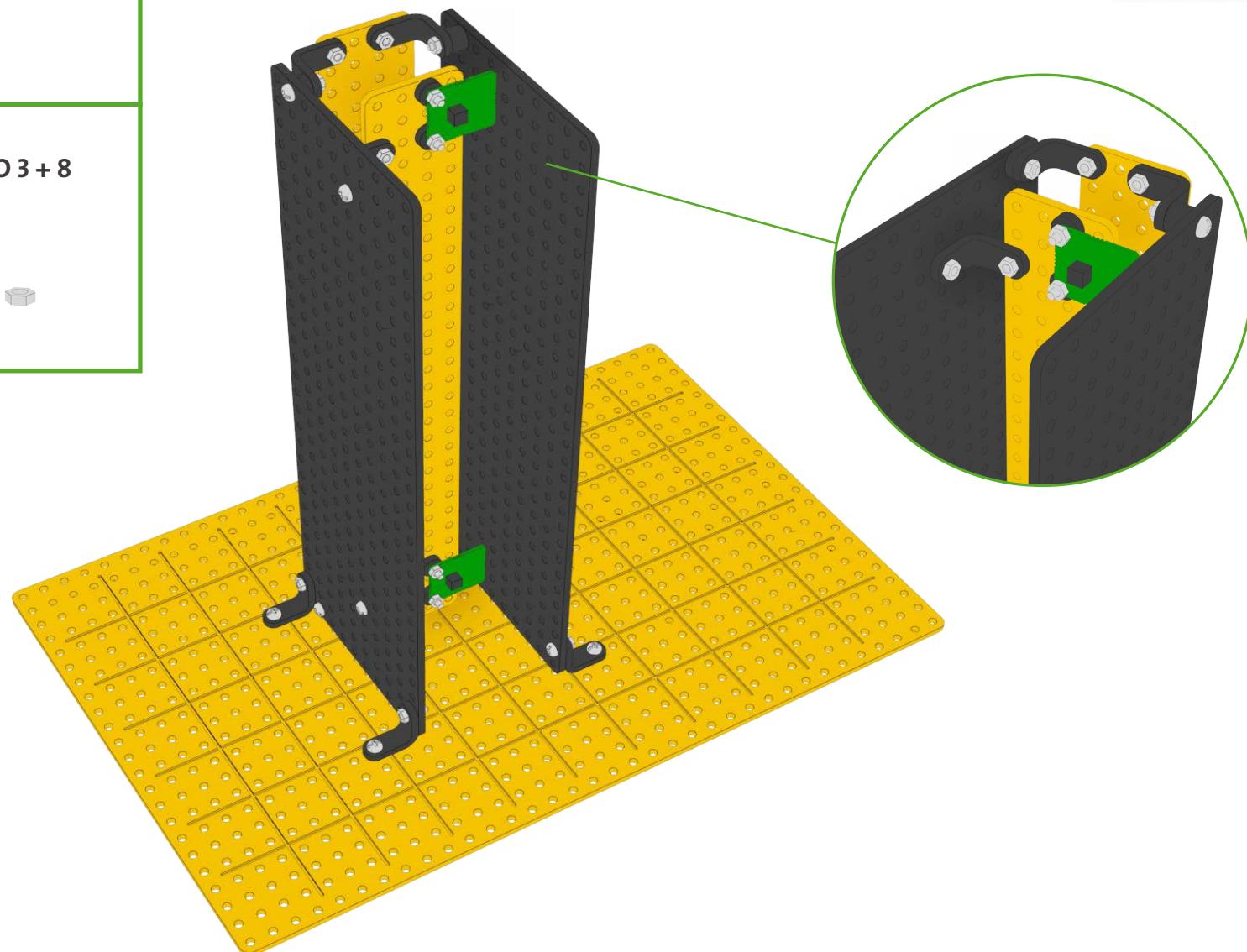


Paso 9

Unir armados de PASO 3 + 8

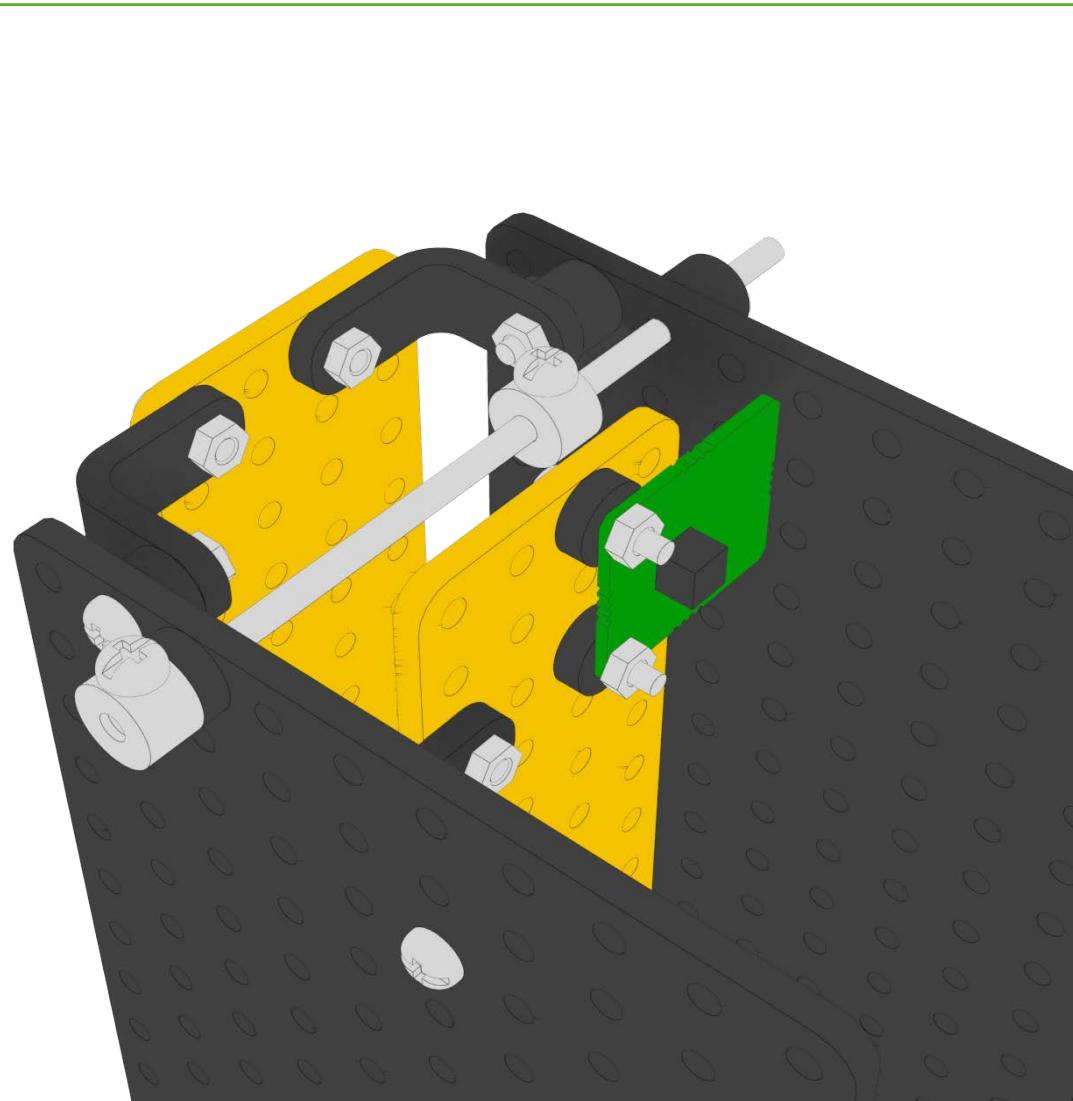
2 Tornillo 8 mm 

2 Tuerca hexagonal 



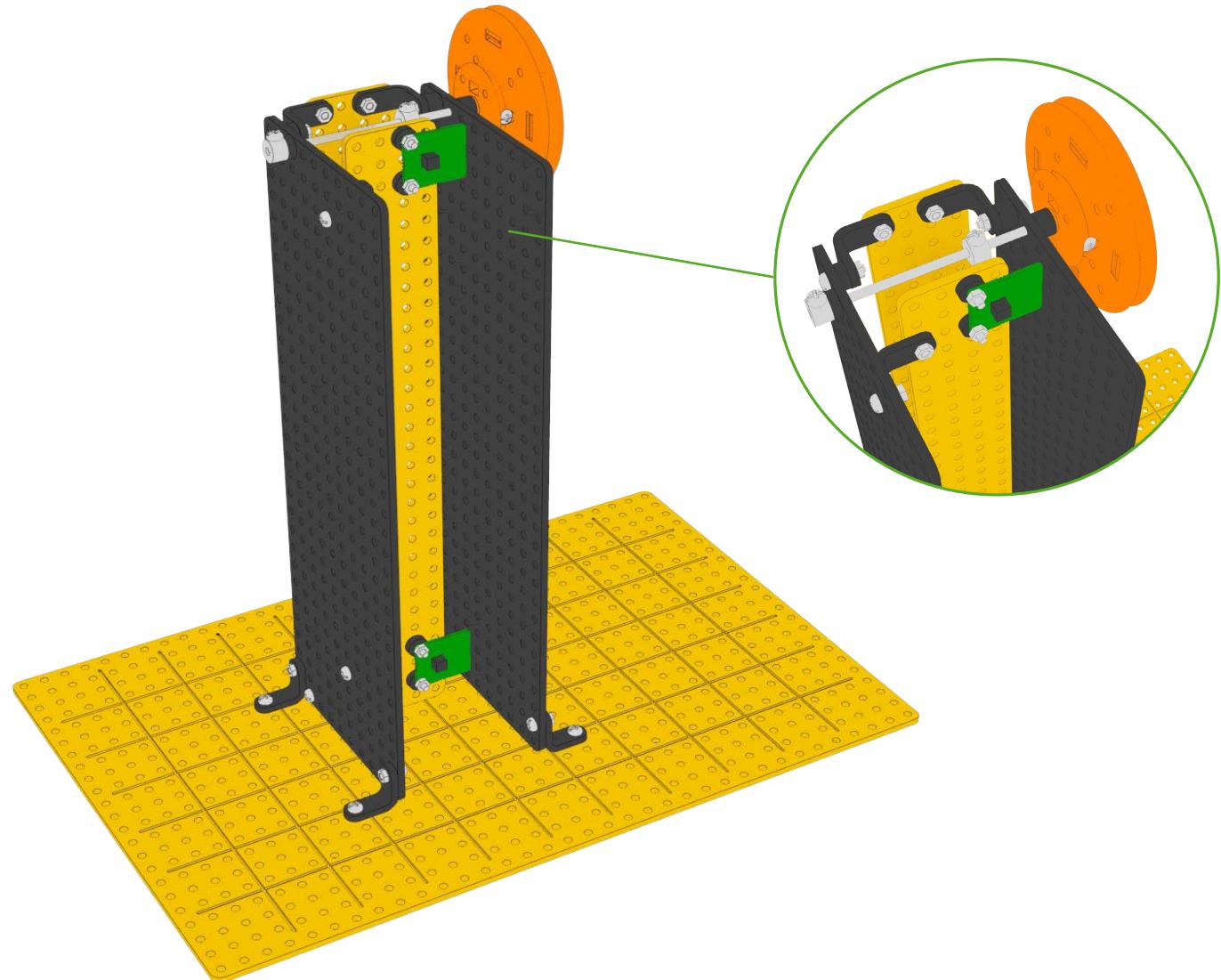
Paso 10

- 1 Eje 9
- 2 Ajuste de eje
- 3 Separadores de goma
3mm



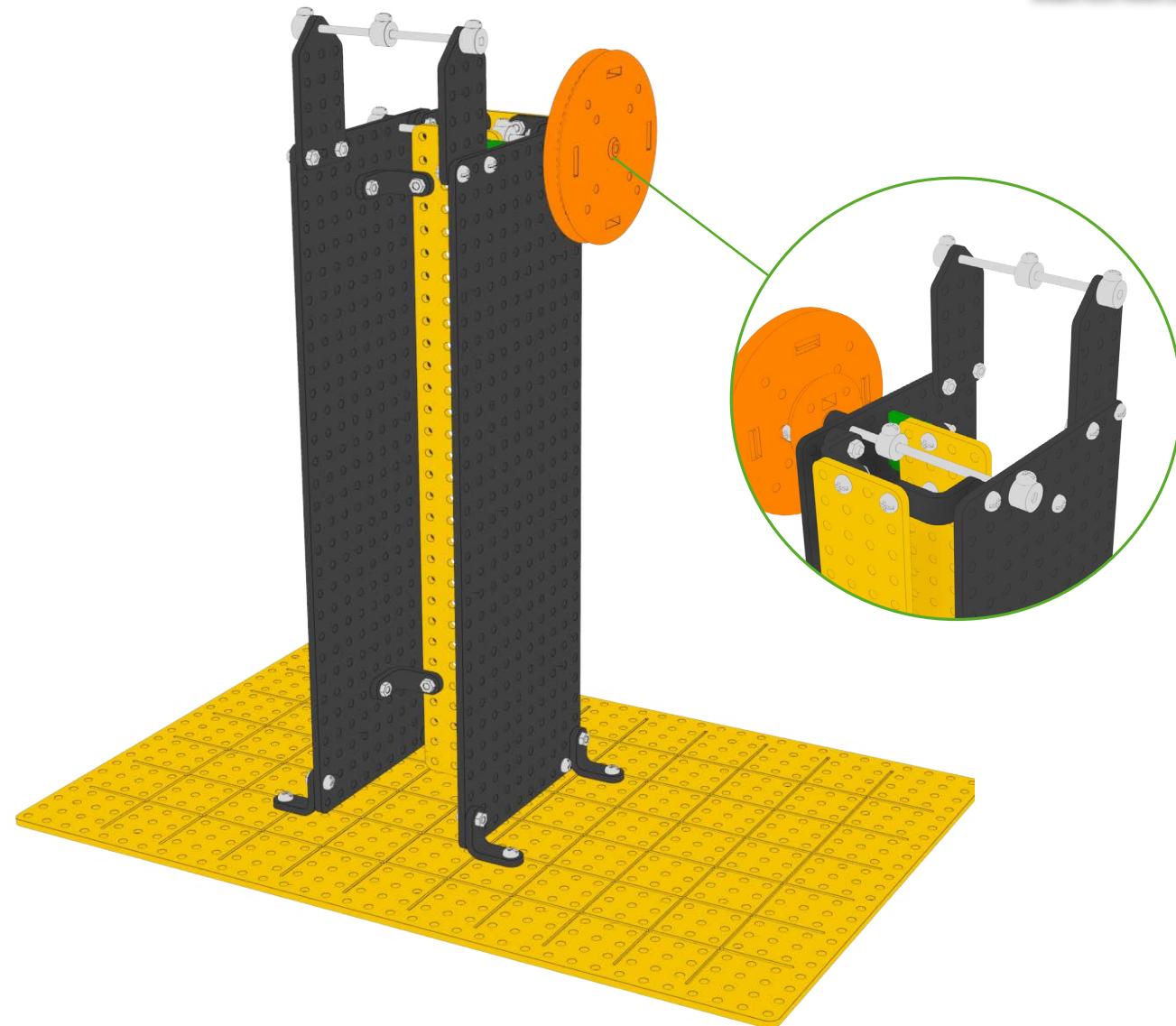
Paso 11

1 Polea grande naranja



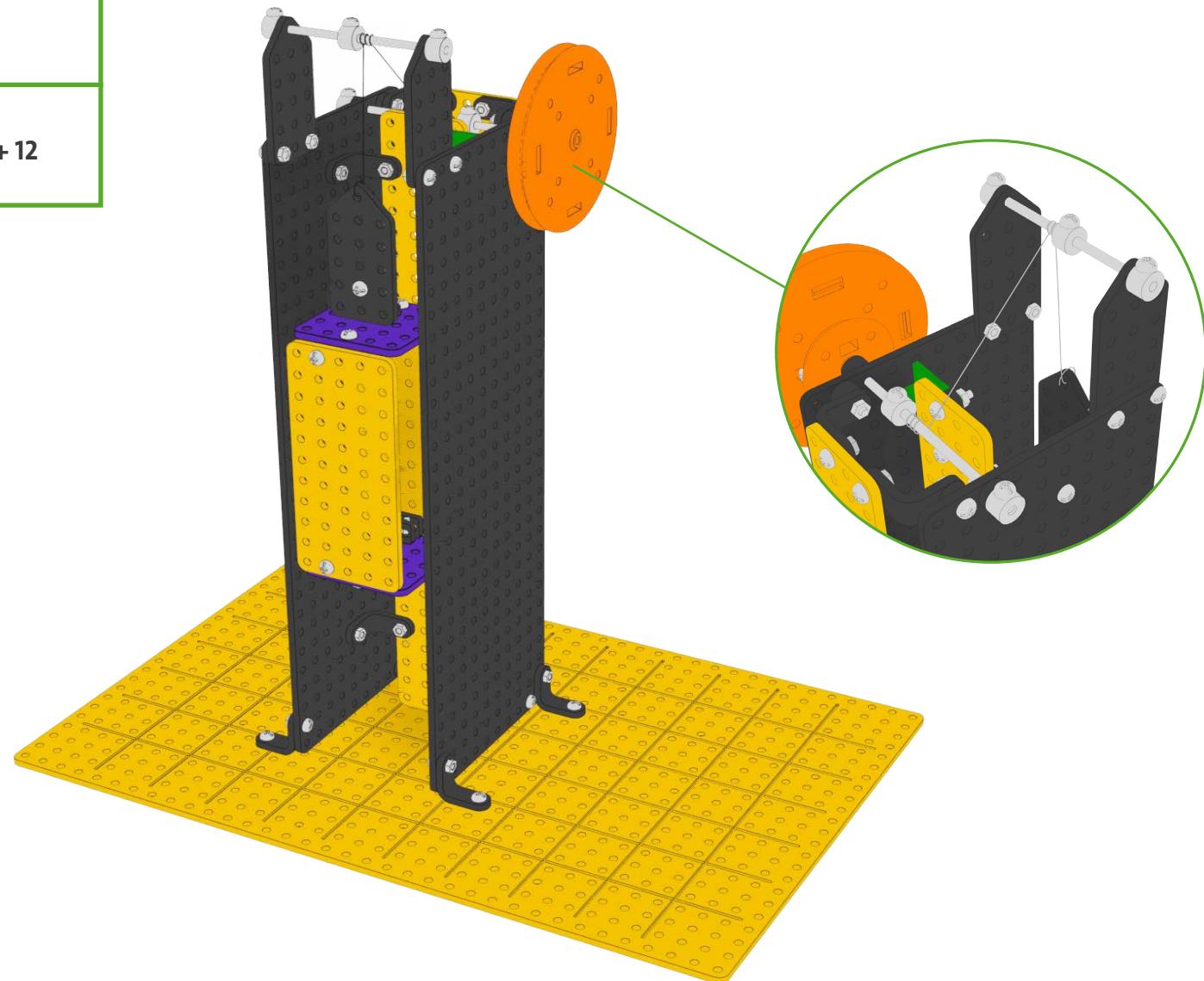
Paso 12

- 1 Eje 7,2
- 3 Ajuste de eje
- 2 Polígono
- 4 Tornillo 8 mm
- 4 Tuerca hexagonal



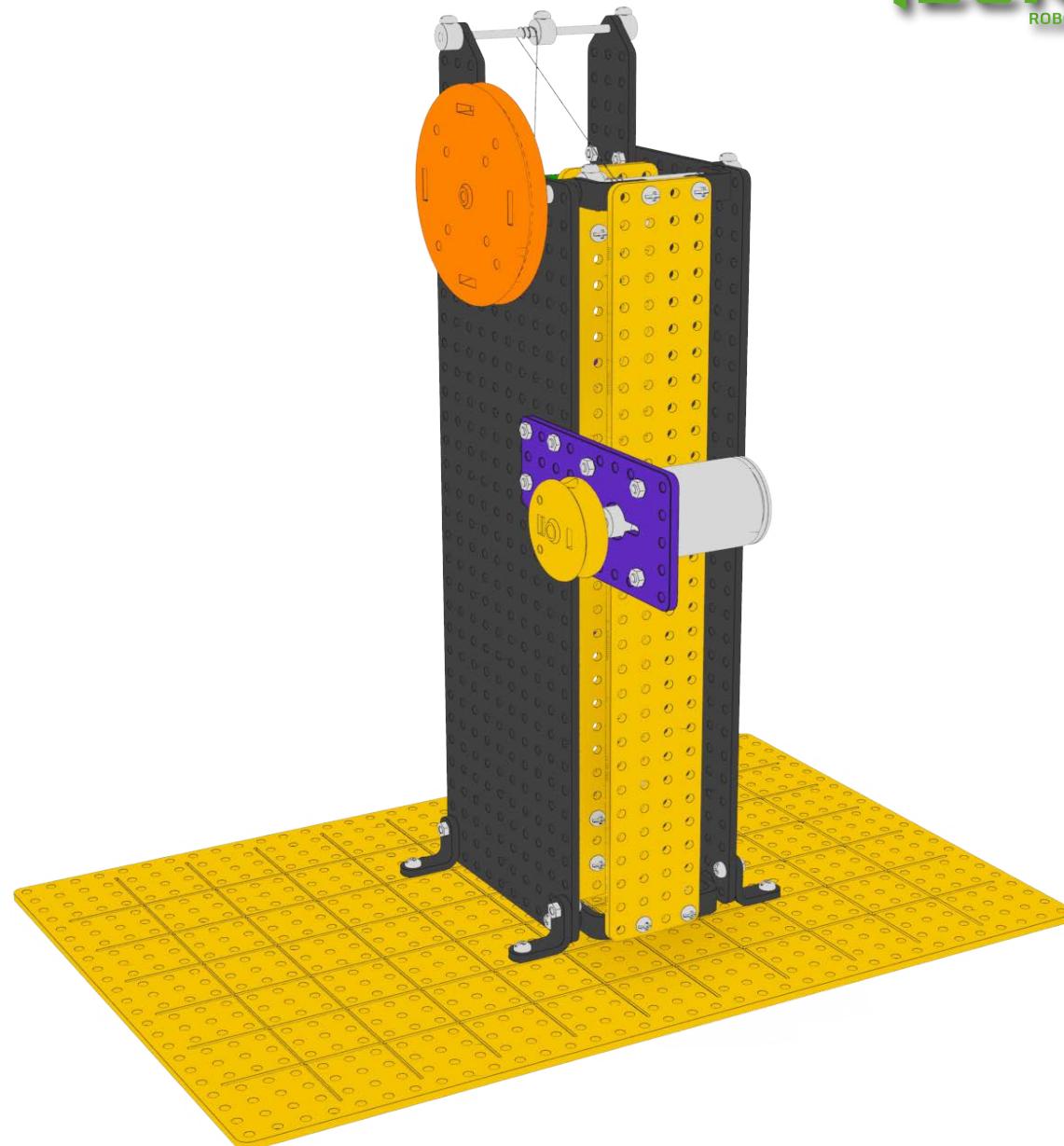
Paso 13

Unir armados de PASO 7 + 12



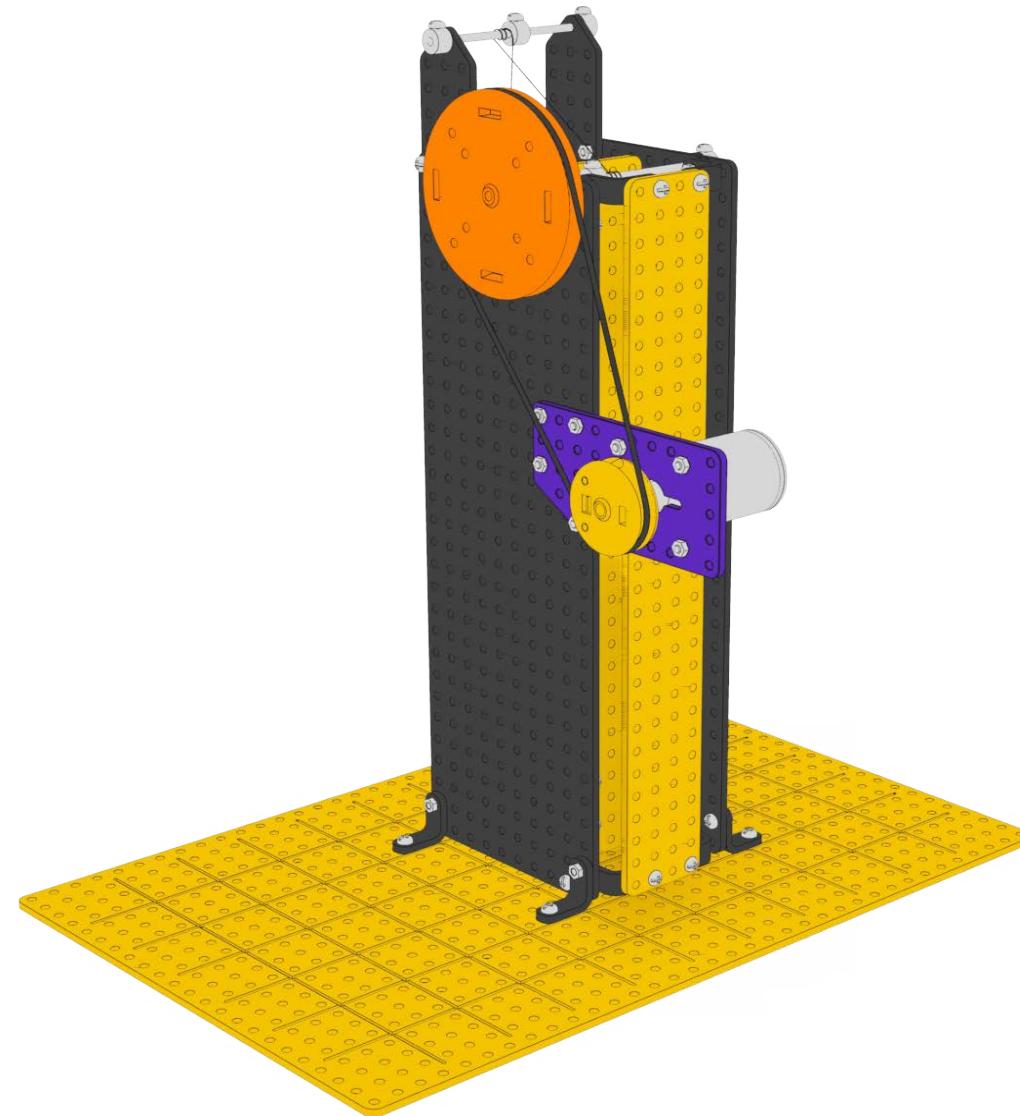
Paso 14

- 1 Polea chica amarilla 
- 1 Soporte de motor 
- 1 Motor 
- 8 Tornillo 8 mm 
- 8 Tuerca hexagonal 



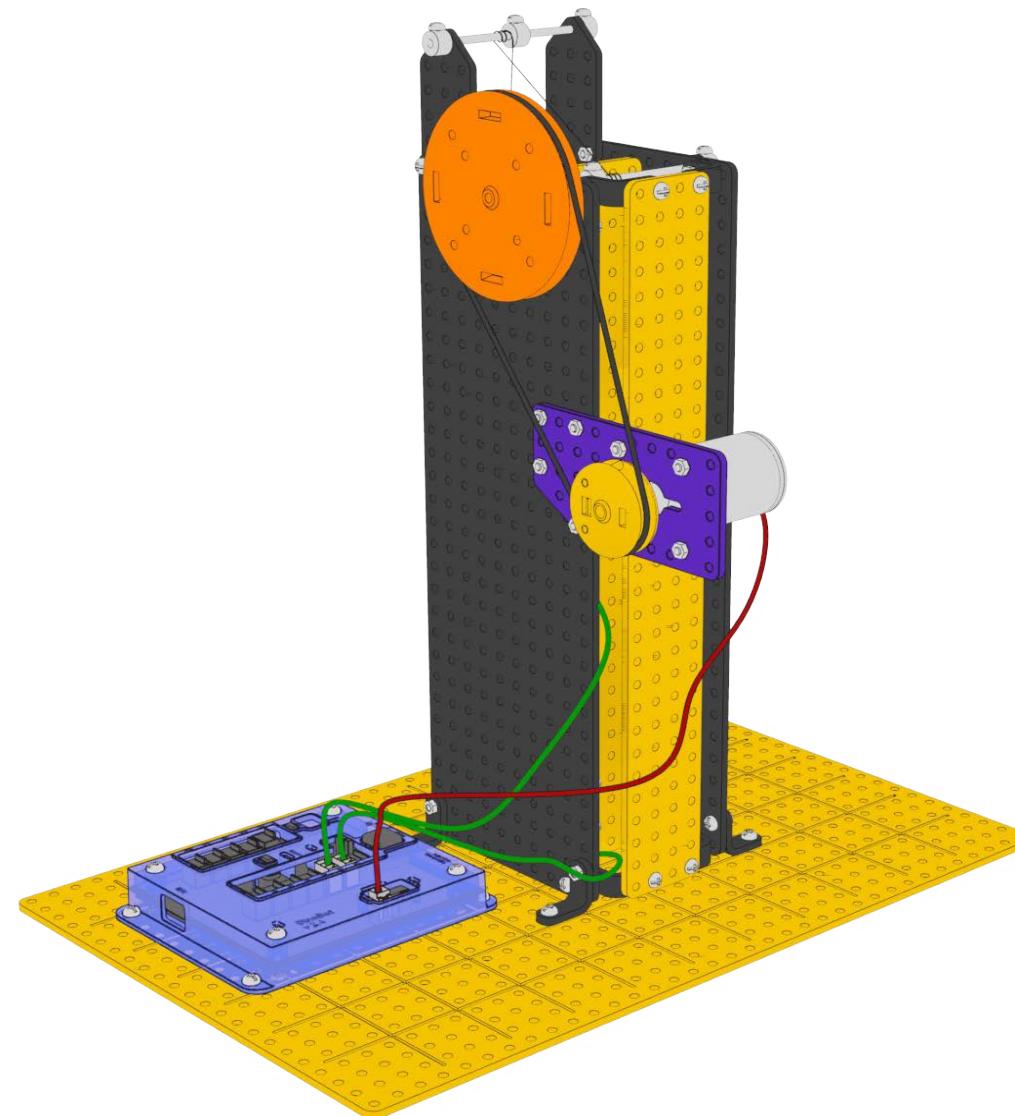
Paso 15

1 O-ring 154

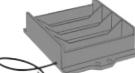


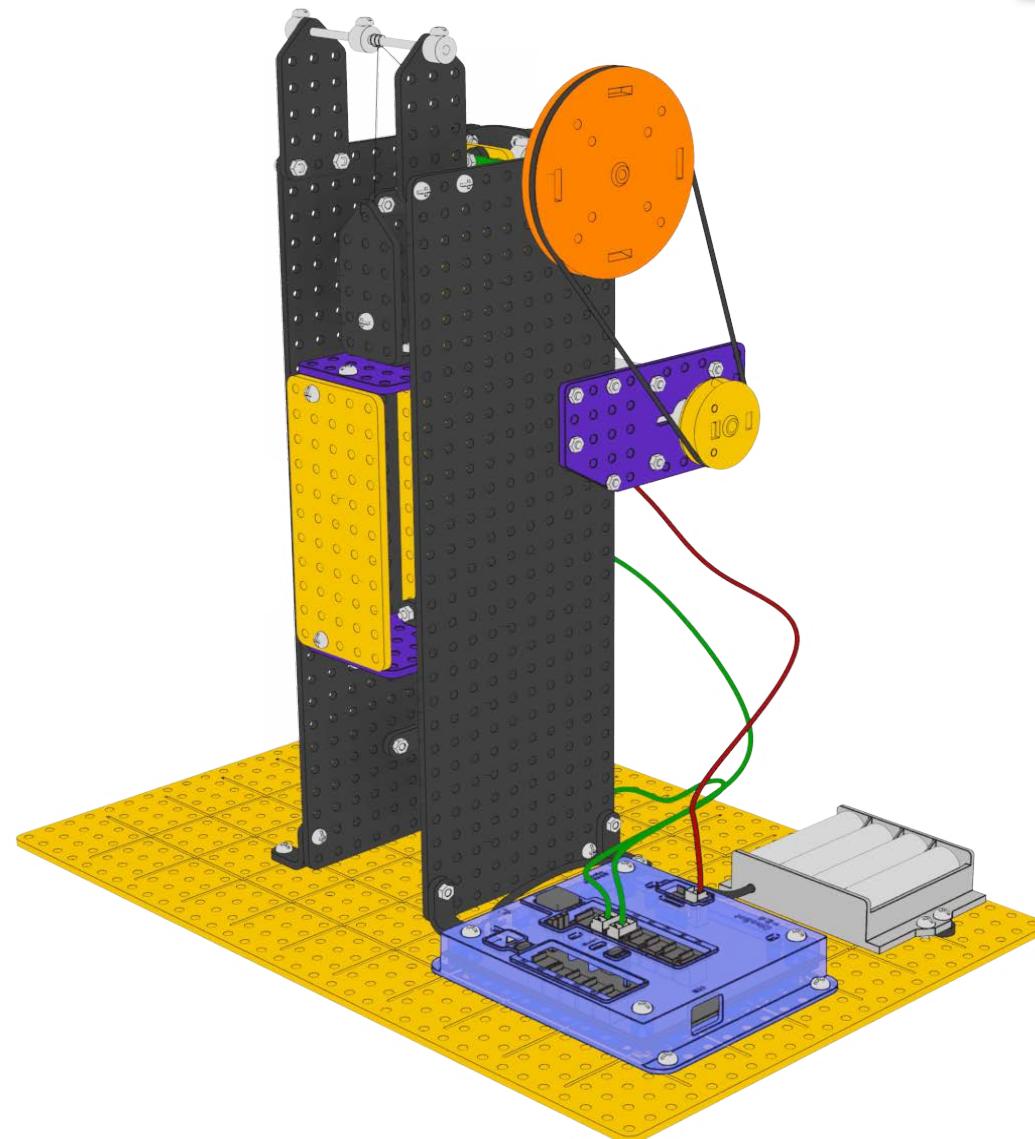
Paso 16

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 
- 1 Cable de motor 
- 1 Cable de sensor 

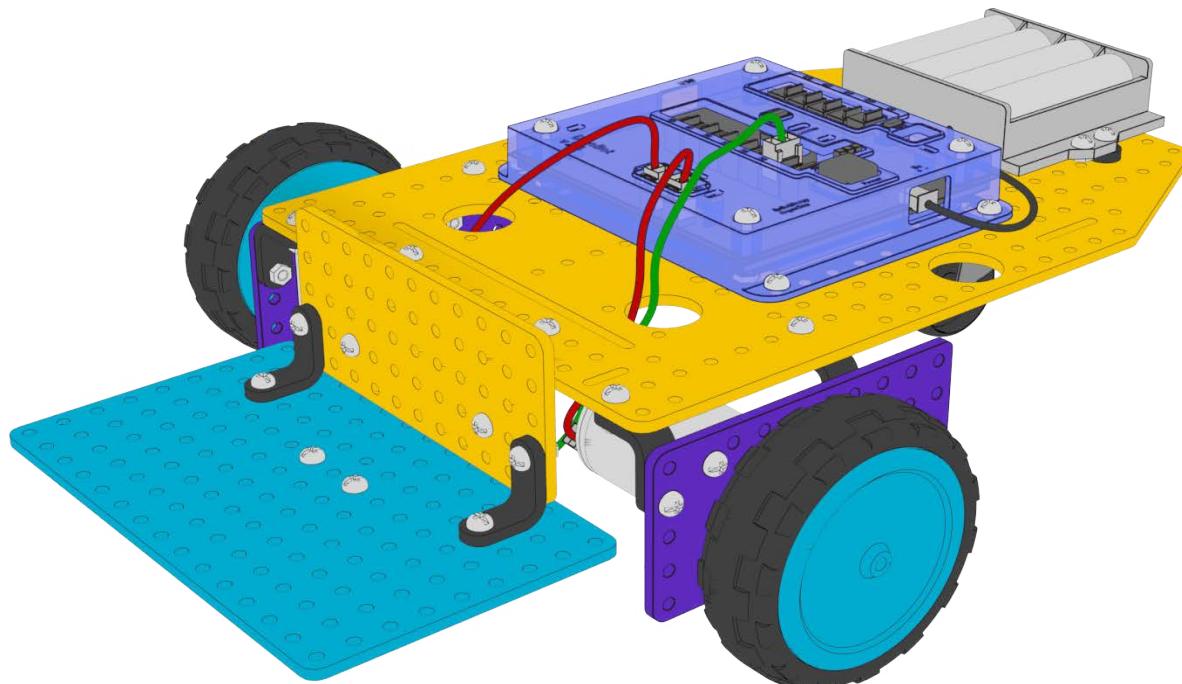


Paso 17

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 



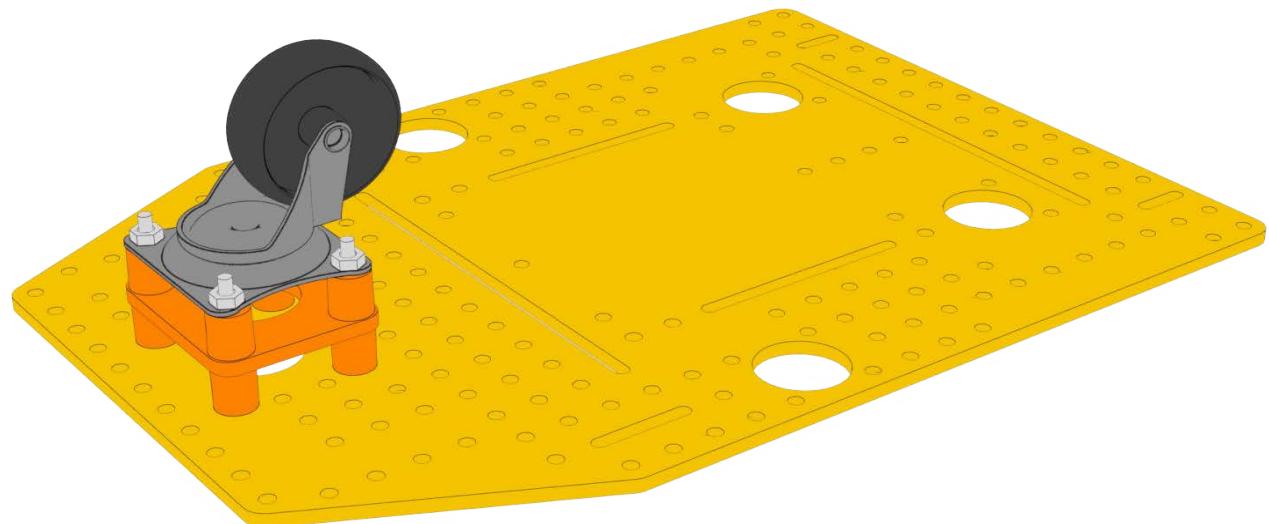
Secuencia de armado de un robot esquivador de obstáculos



MATERIAL
EXTRA
Cajas de cartón

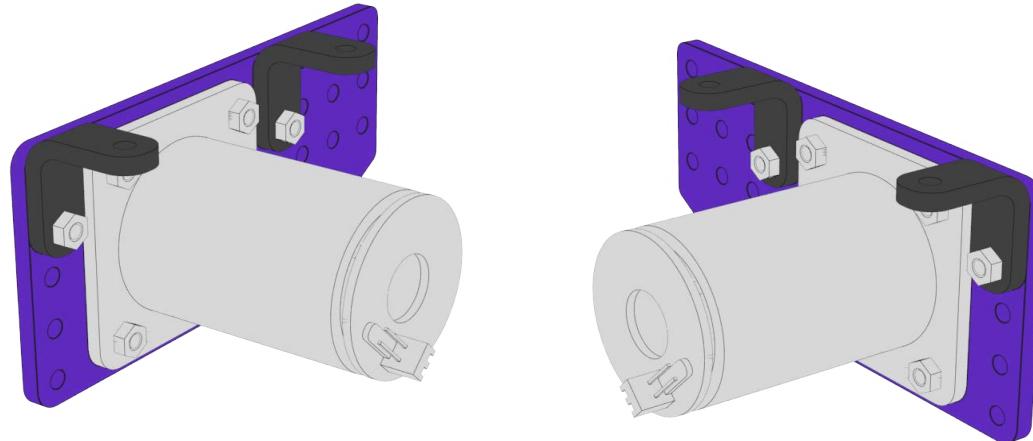
Paso 1

- 1 Chasis 
- 1 Soporte de rueda loca 
- 1 Rueda loca 
- 4 Tornillo 30 mm 
- 4 Tuerca hexagonal 



Paso 2

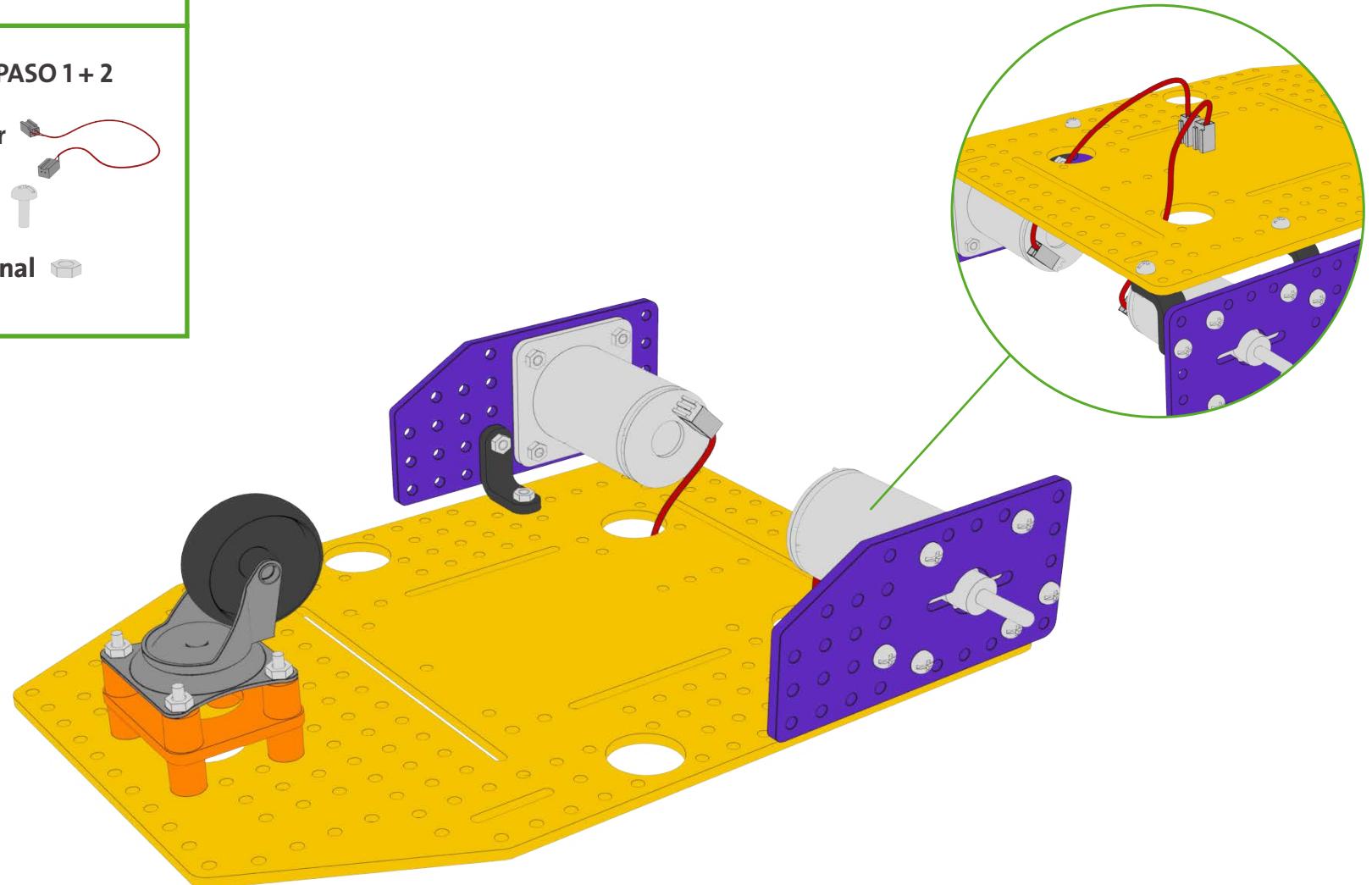
- 2 Motor 
- 2 Soporte de motor 
- 12 Tornillo 8 mm 
- 12 Tuerca hexagonal 
- 4 L 



Paso 3

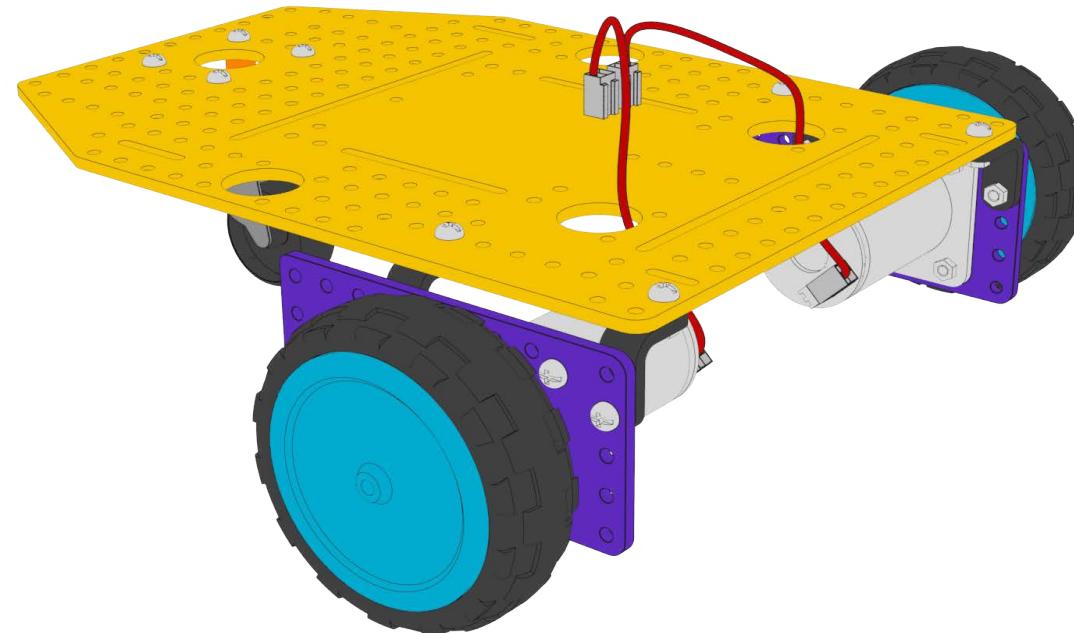
Unir armados de PASO 1 + 2

- 2 Cable de motor 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



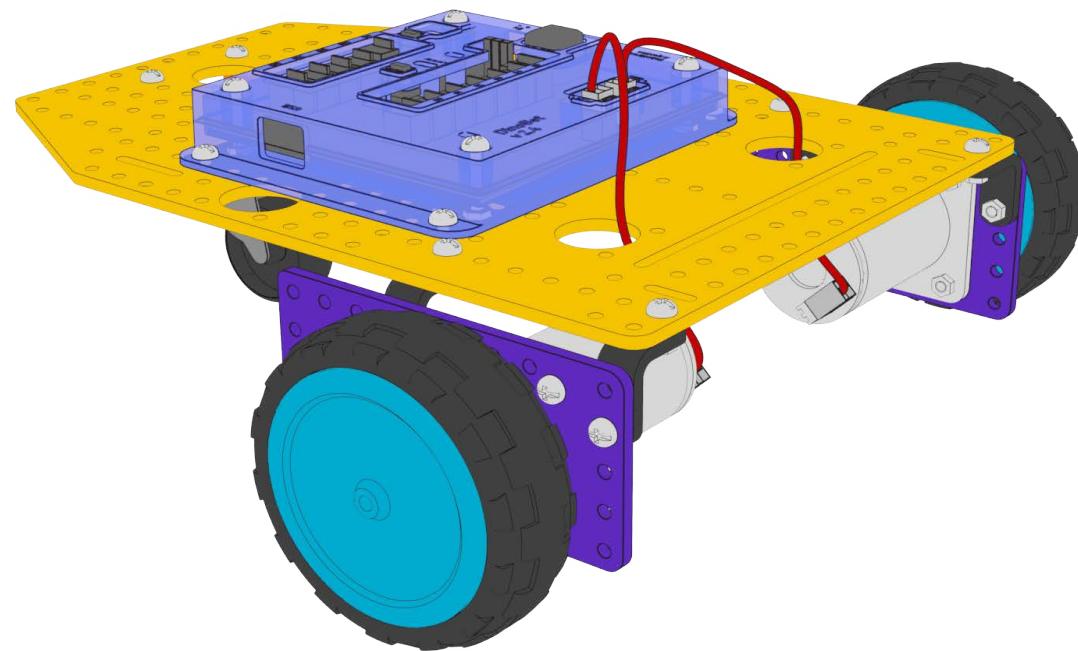
Paso 4

2 Rueda

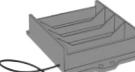


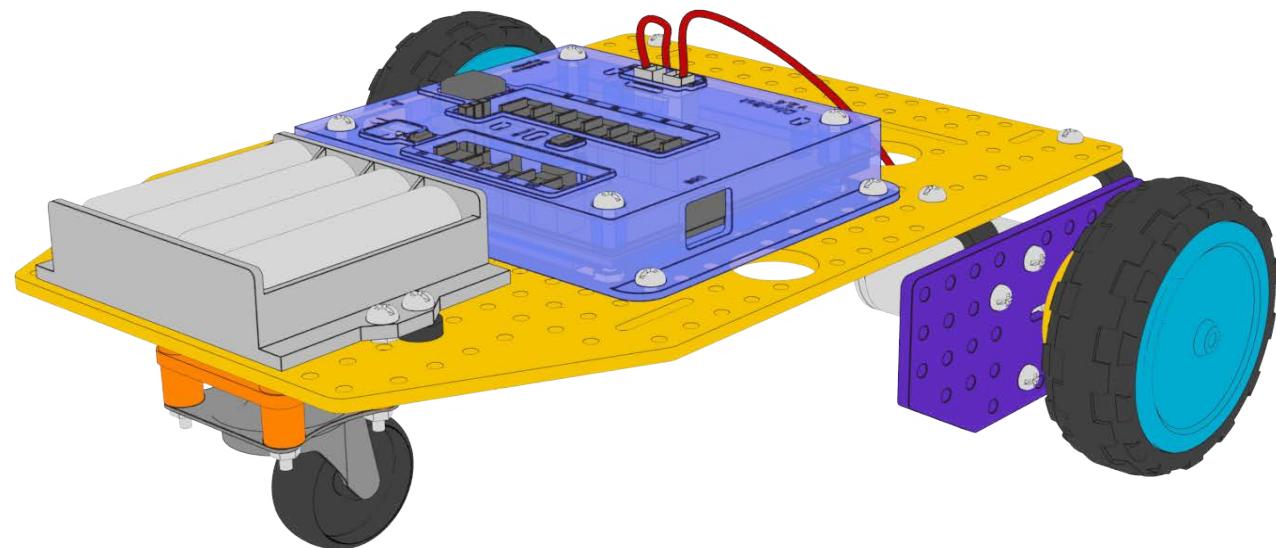
Paso 5

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



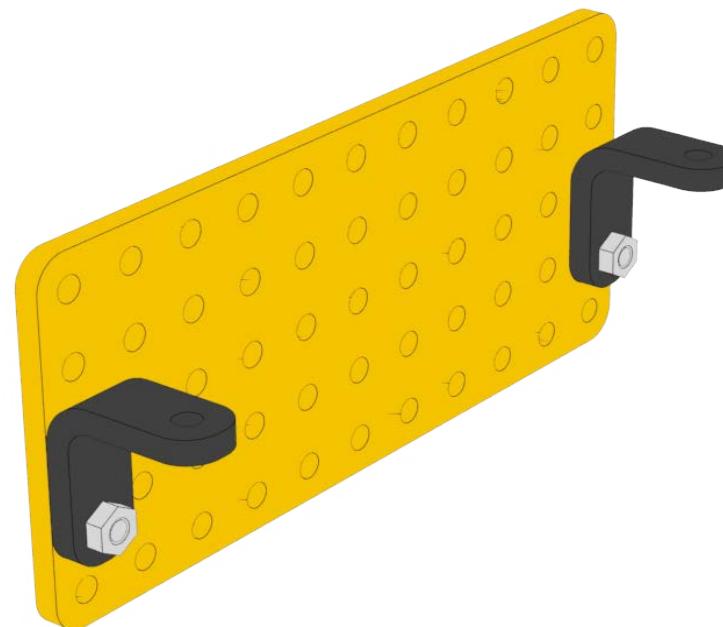
Paso 6

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 



Paso 7

- 1 Plancha 11x5
- 2 L
- 2 Tornillo 8 mm
- 2 Tuerca hexagonal

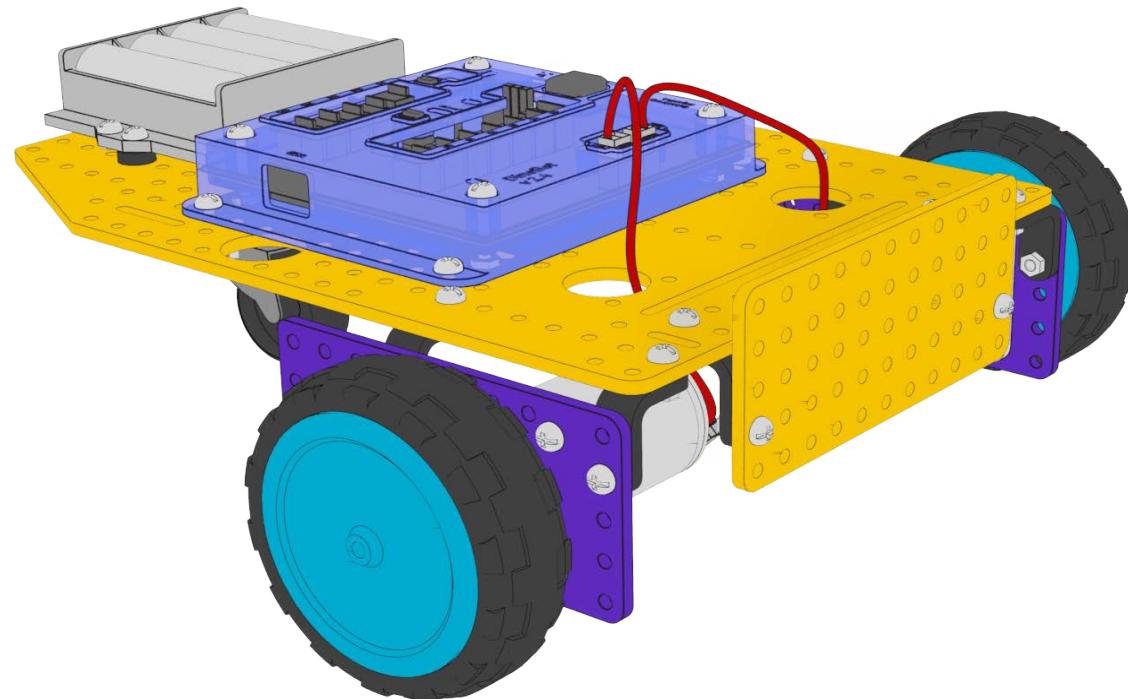


Paso 8

Unir armados de PASO 6 + 7

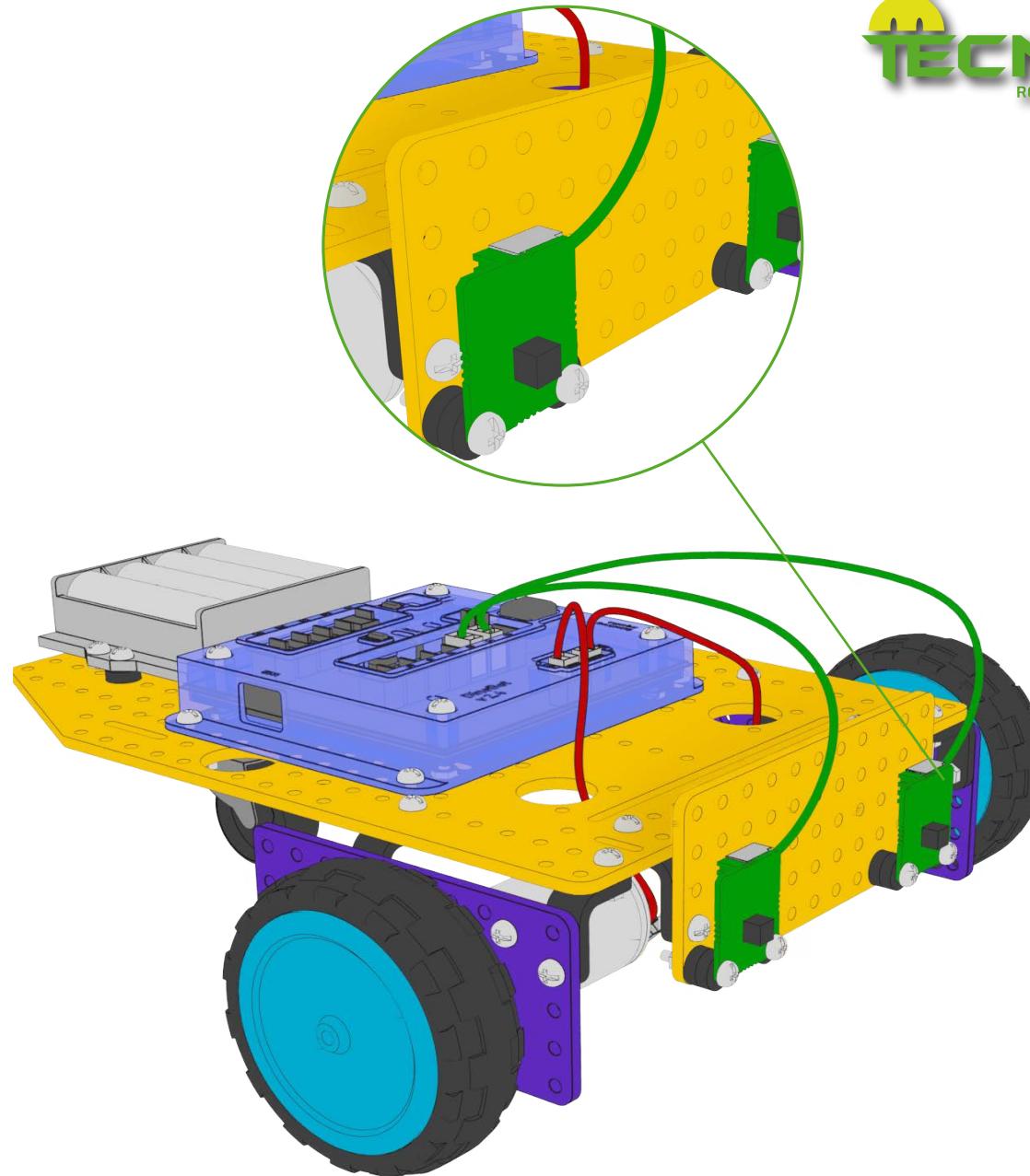
2 Tornillo 8 mm 

2 Tuerca hexagonal 

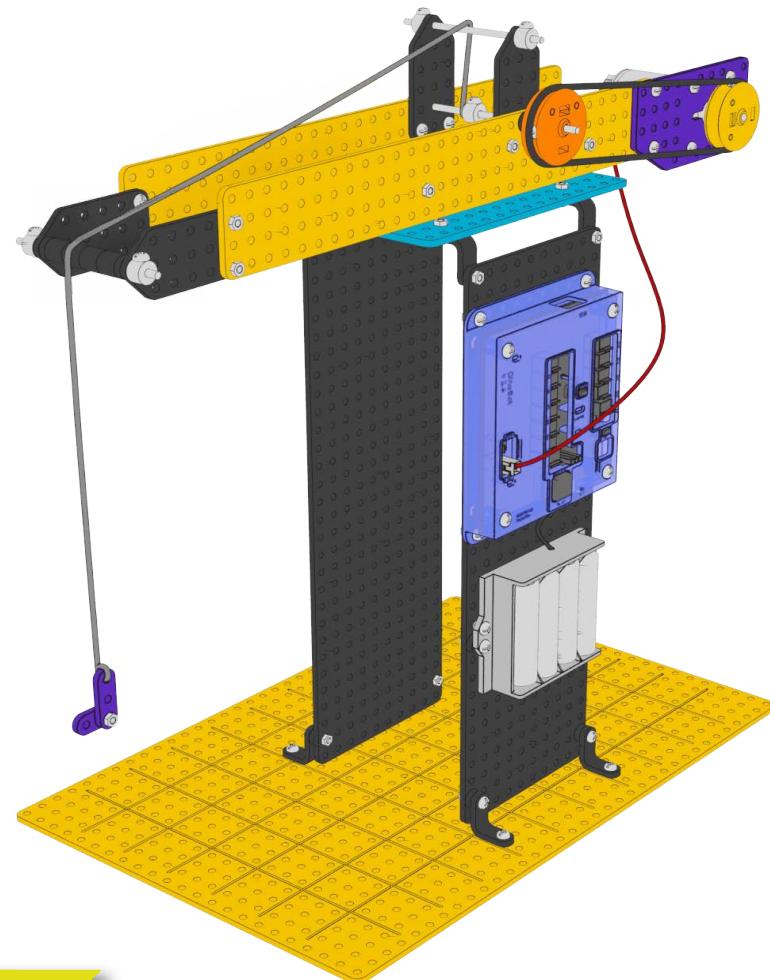


Paso 9

- 2 Sensor IR - CNY70 (infrarrojo) 
- 2 Cable de sensor 
- 4 Tornillo 16 mm 
- 8 Separadores de goma 3mm 
- 4 Tuerca hexagonal 



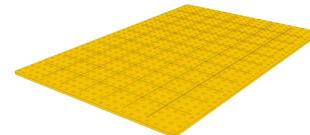
Secuencia de armado de una grúa pluma o fija



MATERIAL
EXTRA
Hilo

Paso 1

1 Plancha 35x23



2 Plancha 30x10



4 Separadores de goma
3mm



8 L



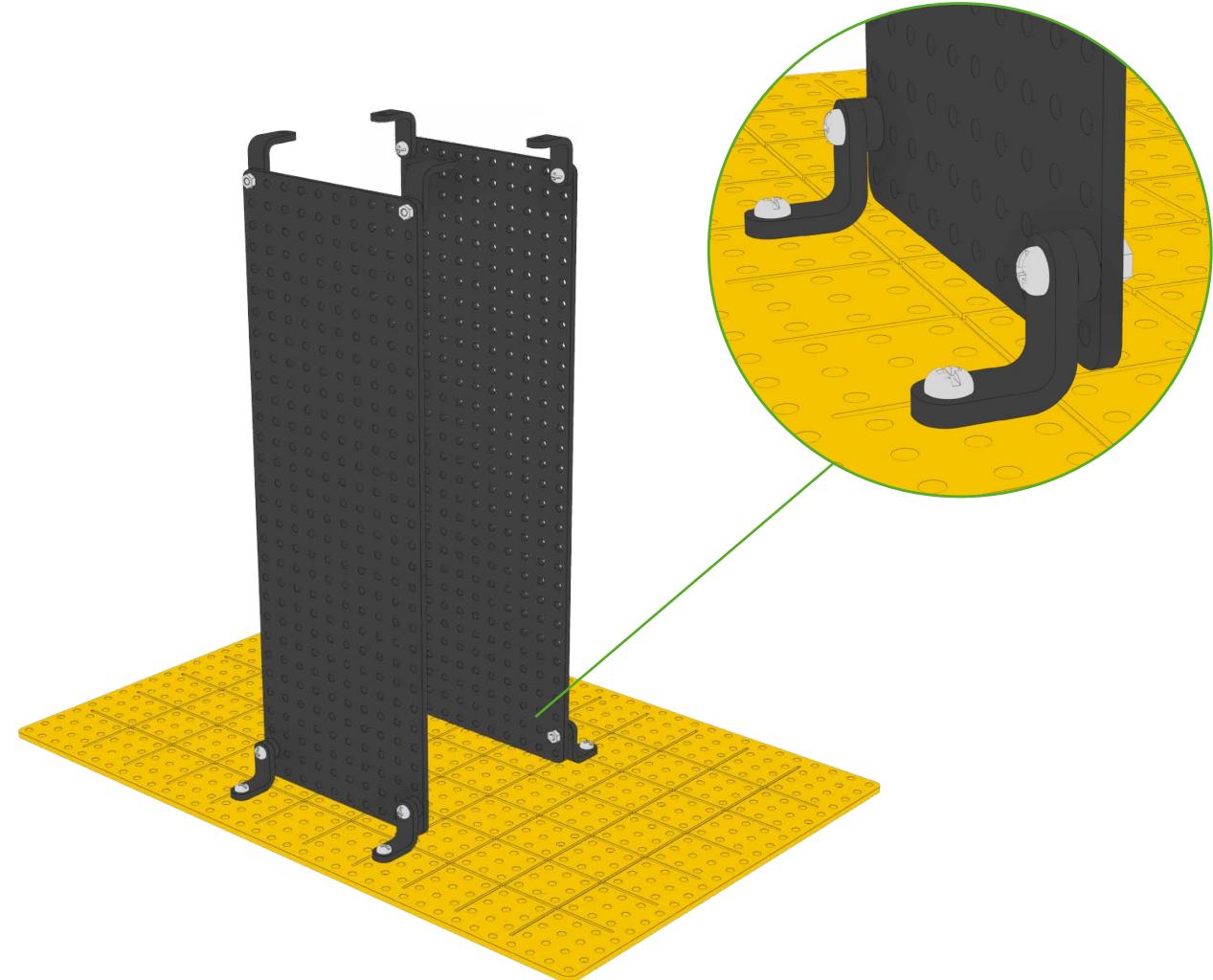
8 Tornillo 8 mm



4 Tornillo 12 mm

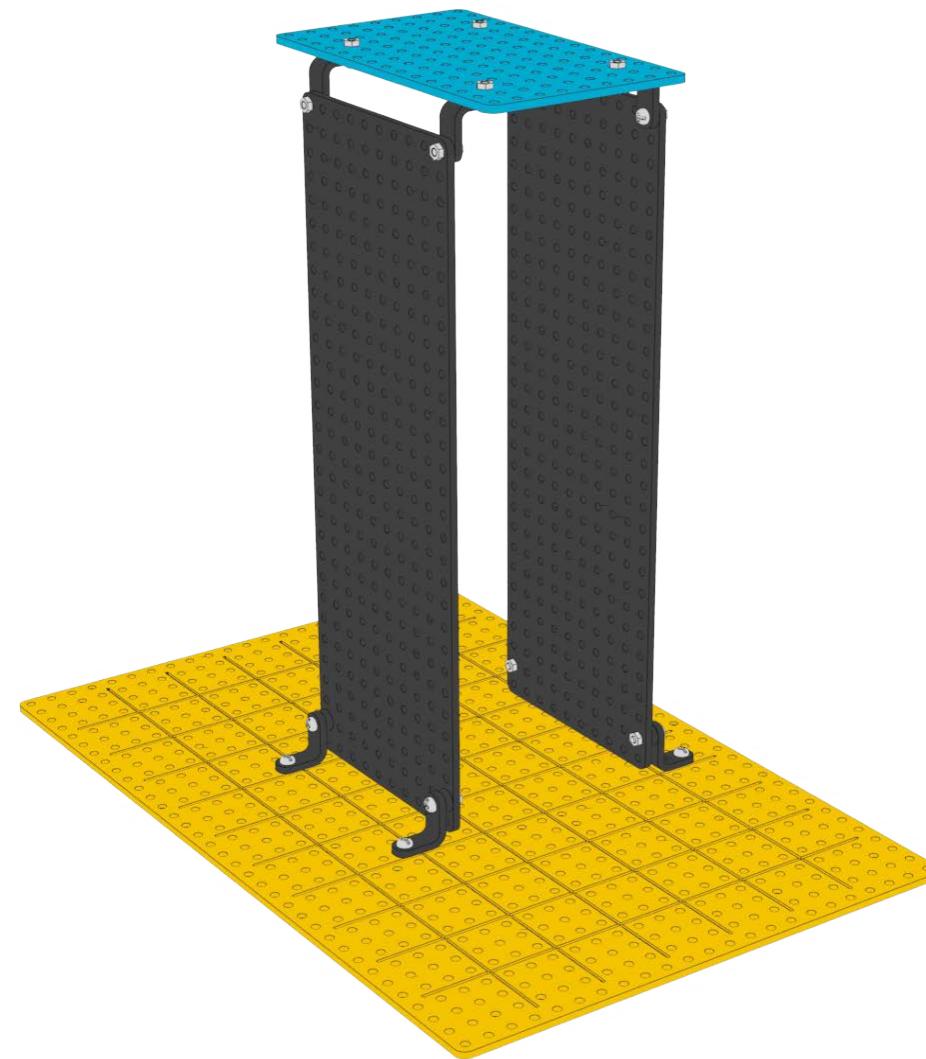


12 Tuerca hexagonal



Paso 2

- 1 Plancha 9x15 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



Paso 3

2 Plancha 30x4



4 Polígono



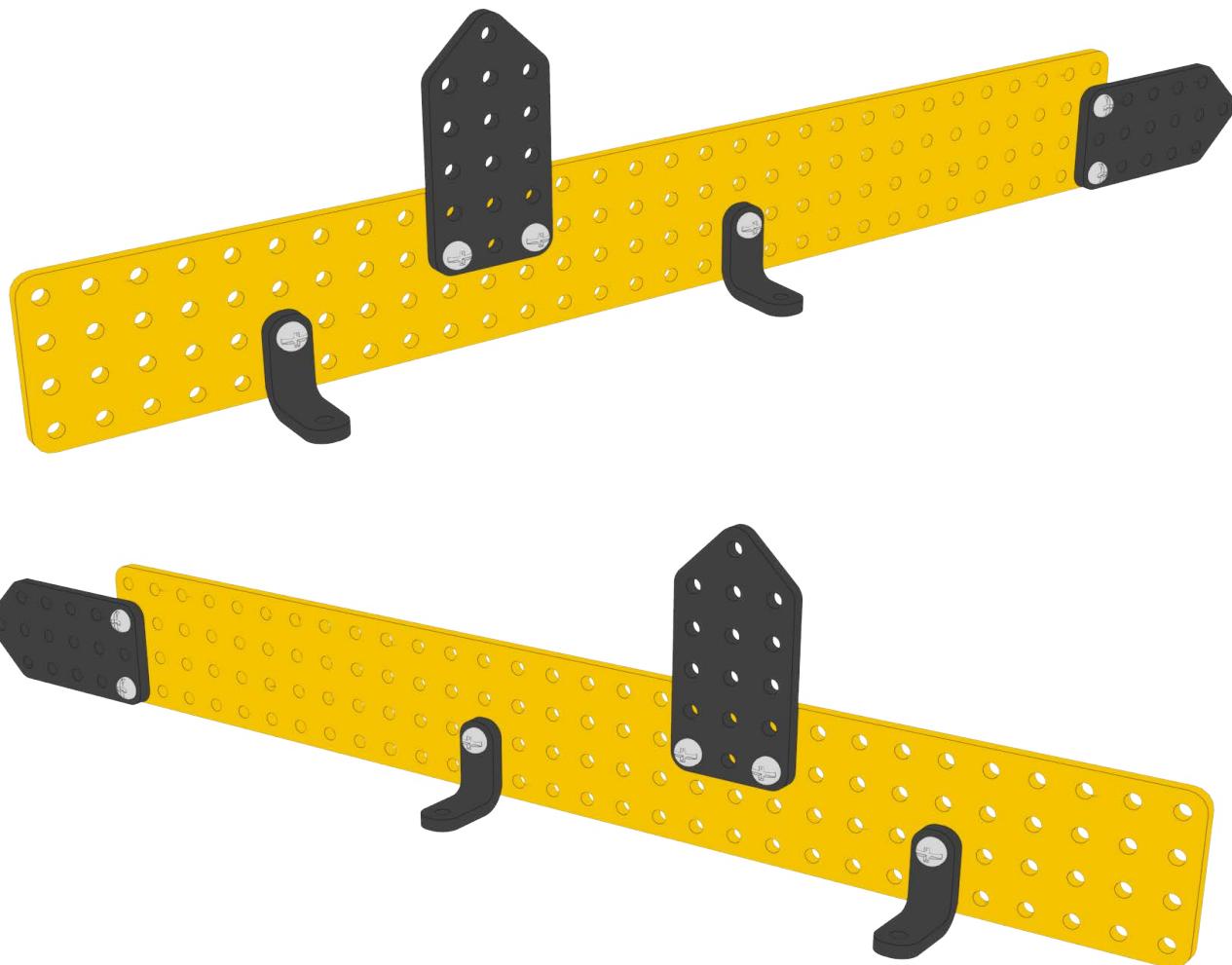
12 Tornillo 8 mm



12 Tuerca hexagonal

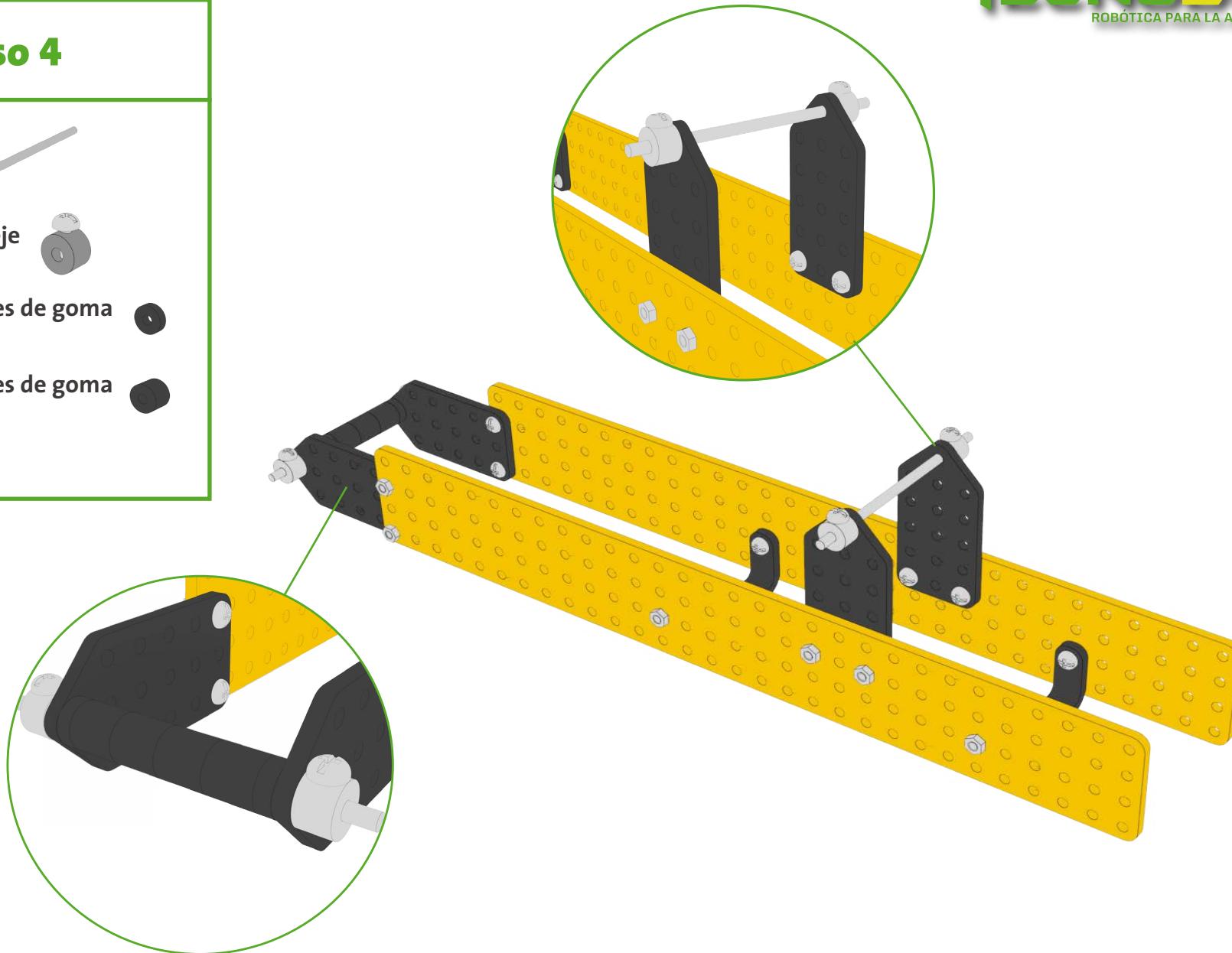


4 L



Paso 4

- 2 Eje 7,2
- 4 Ajuste de eje
- 2 Separadores de goma
3mm
- 4 Separadores de goma
9mm

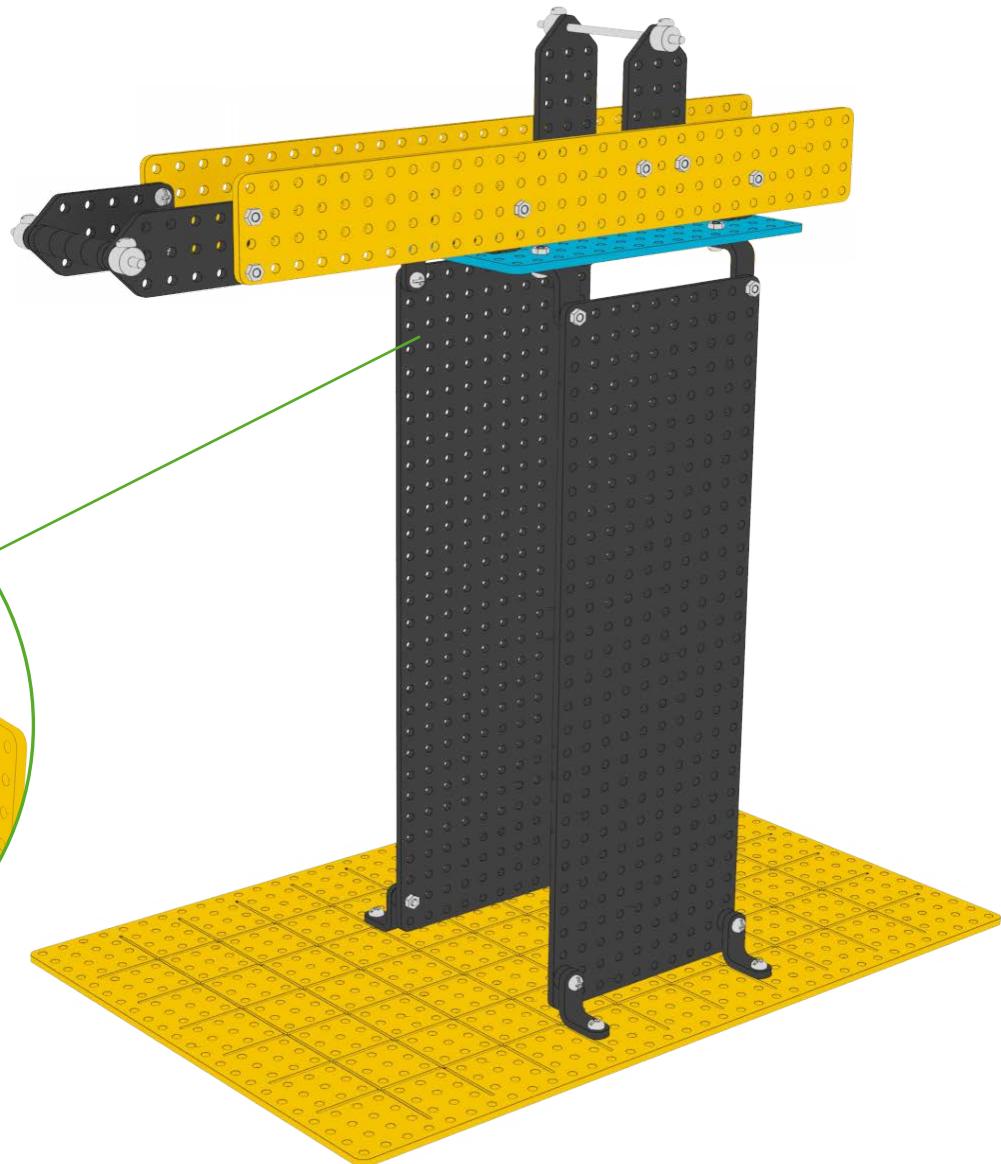


Paso 5

Unir armados de PASO 2 + 4

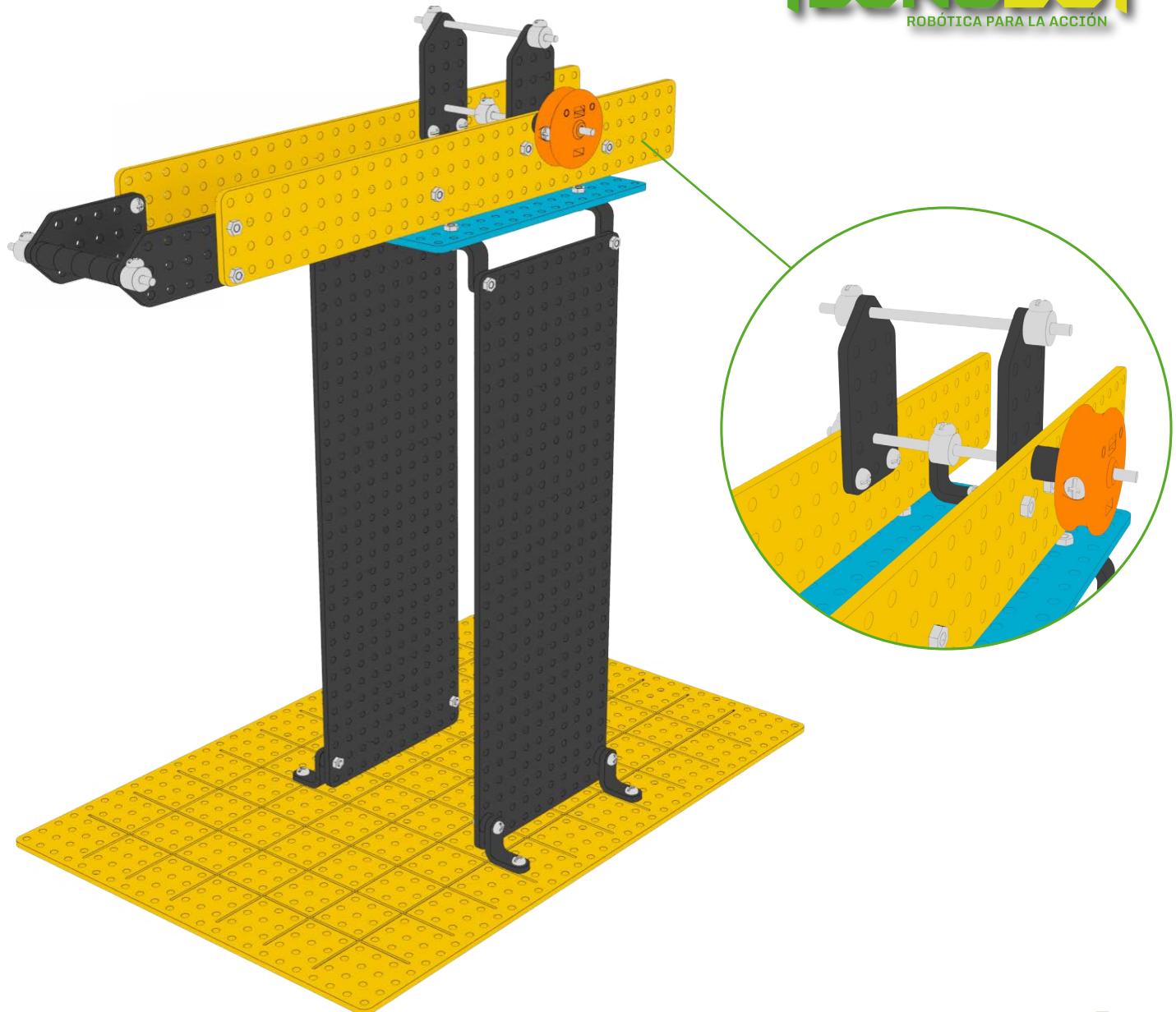
4 Tornillo 8 mm 

4 Tuerca hexagonal 



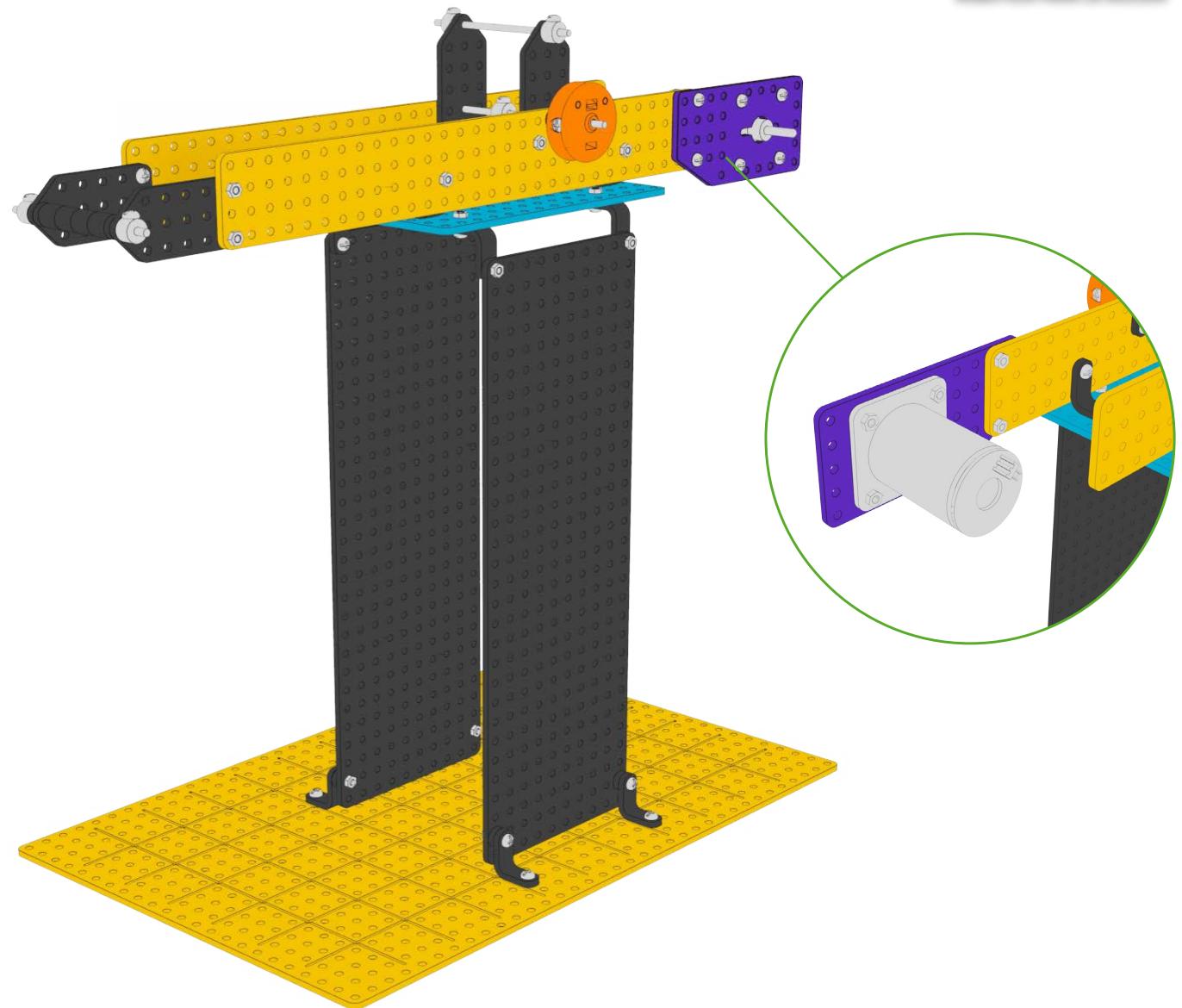
Paso 6

- 1 Eje 9
- 1 Polea chica naranja
- 1 Separadores de goma 9mm
- 2 Ajuste de eje



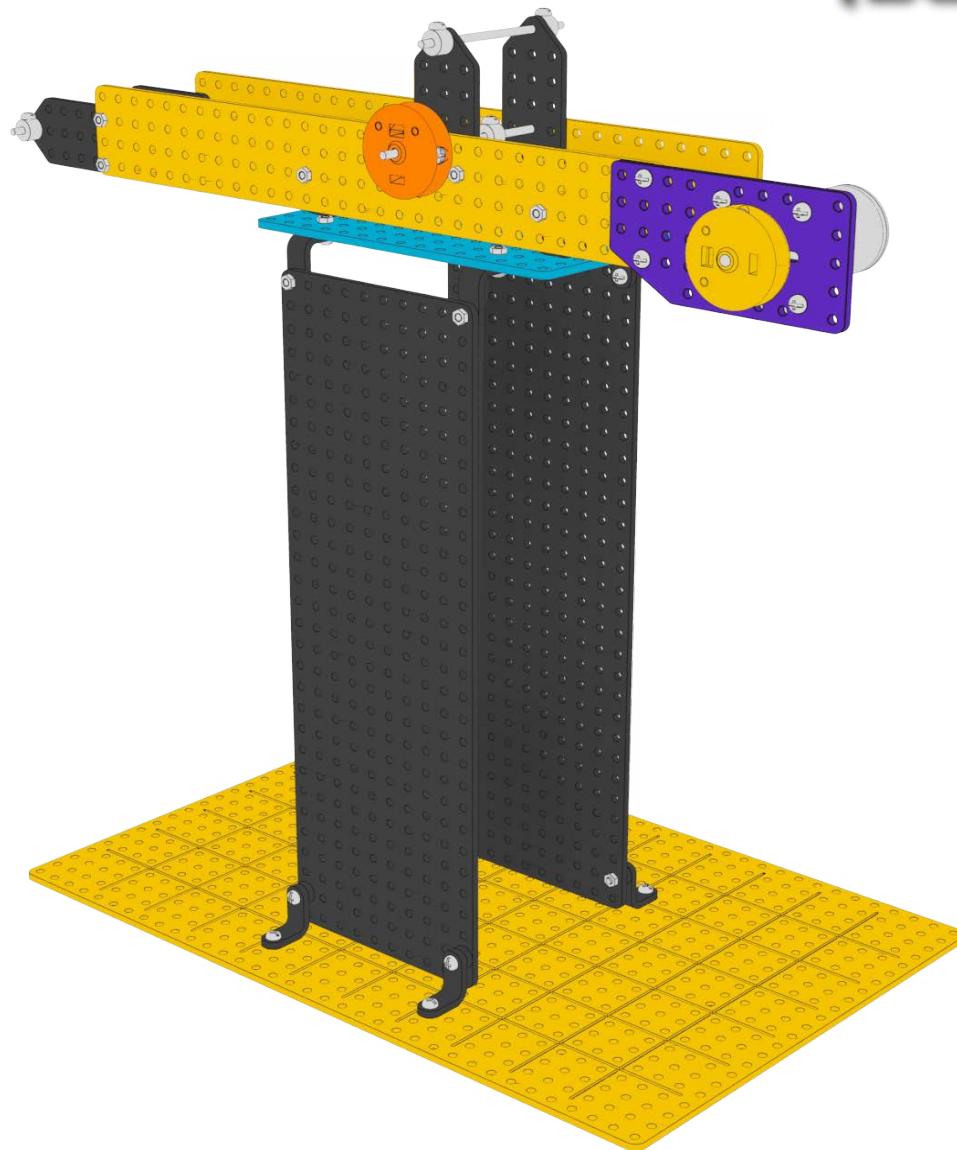
Paso 7

- 1 Soporte de motor 
- 1 Motor 
- 6 Tornillo 8 mm 
- 6 Tuerca hexagonal 



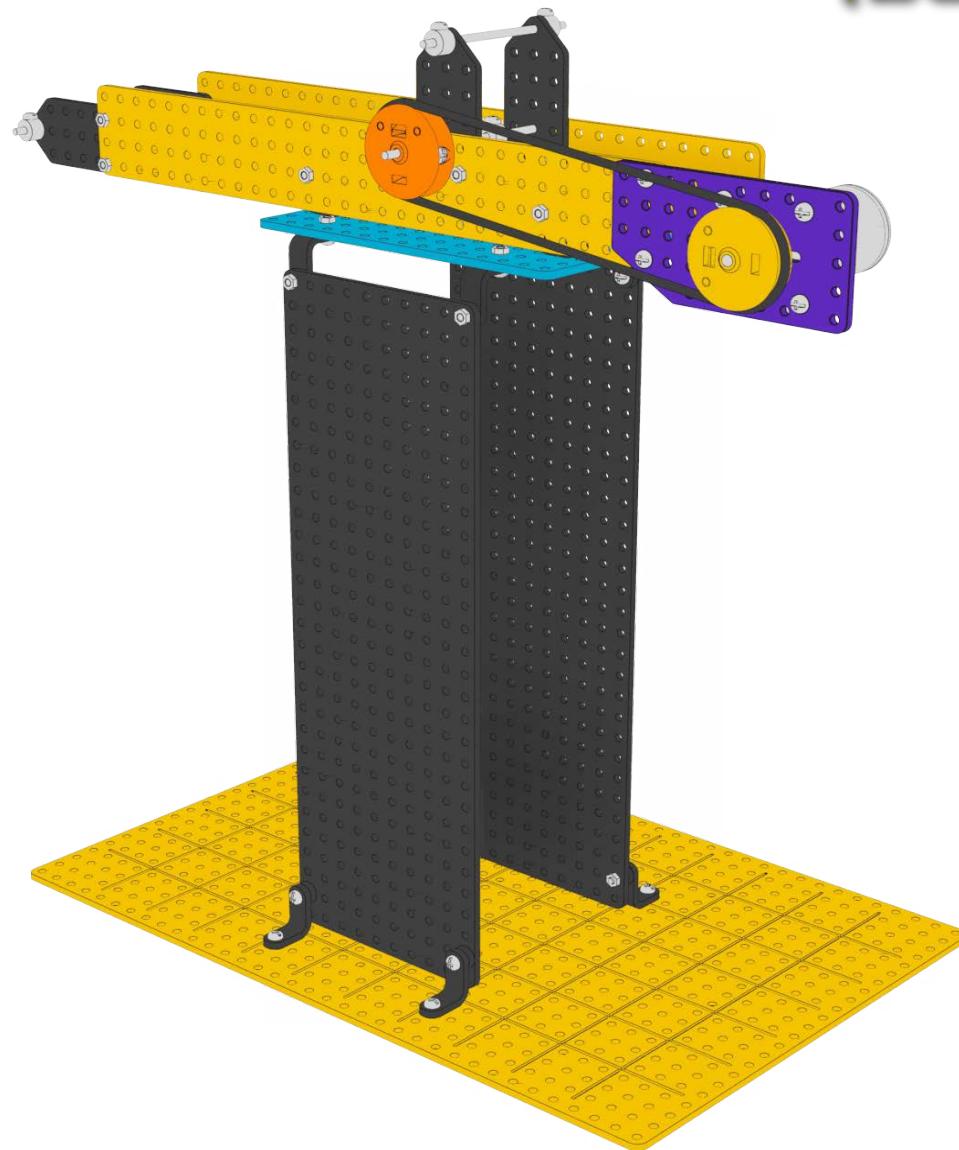
Paso 8

1 Polea chica amarilla



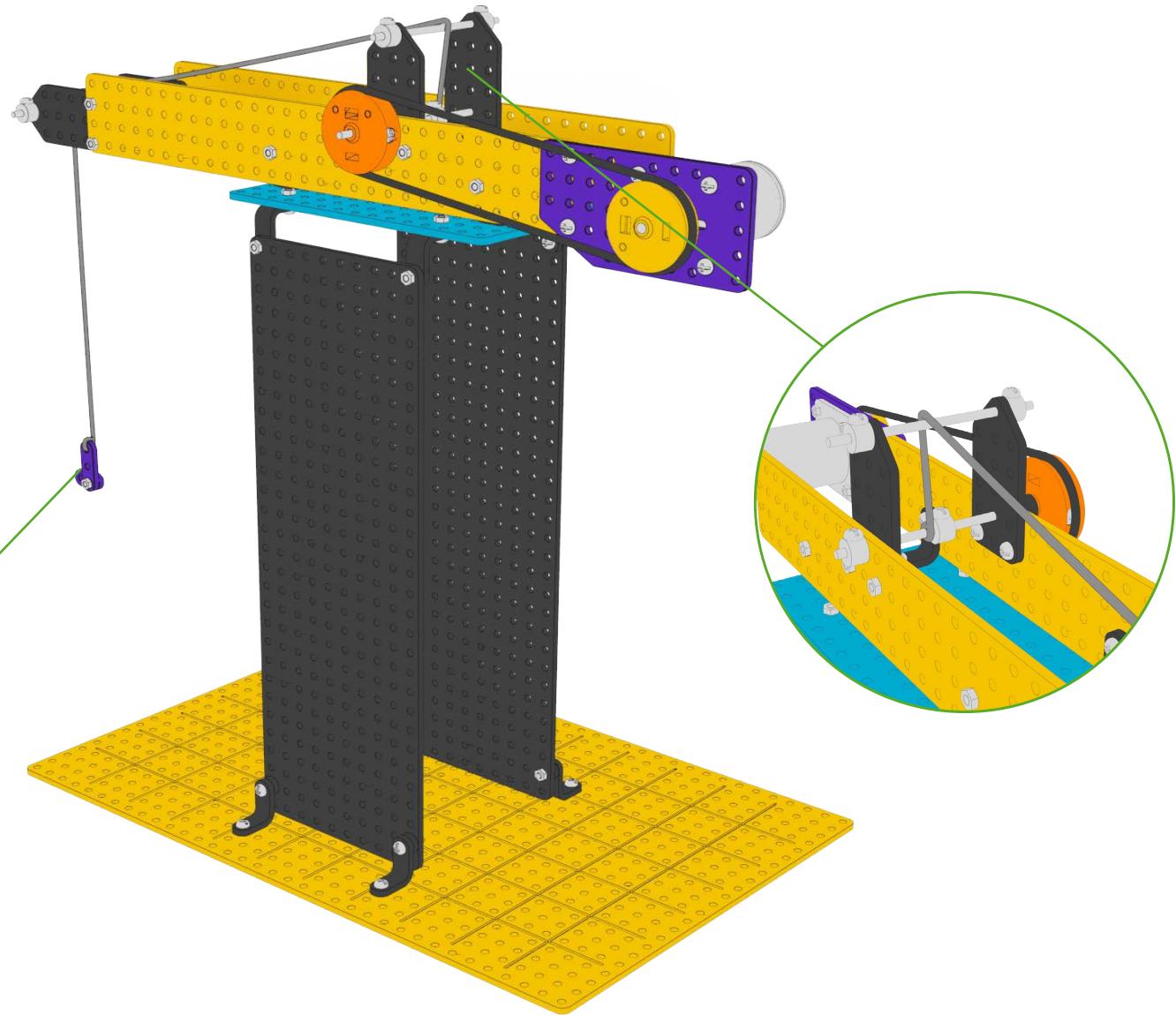
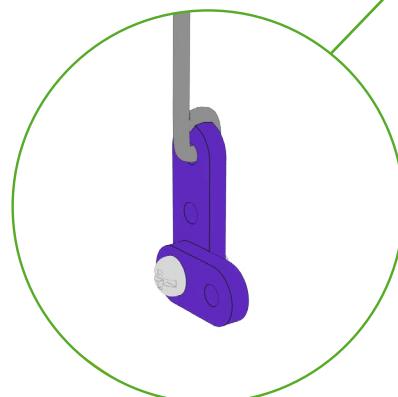
Paso 9

1 O-ring 154



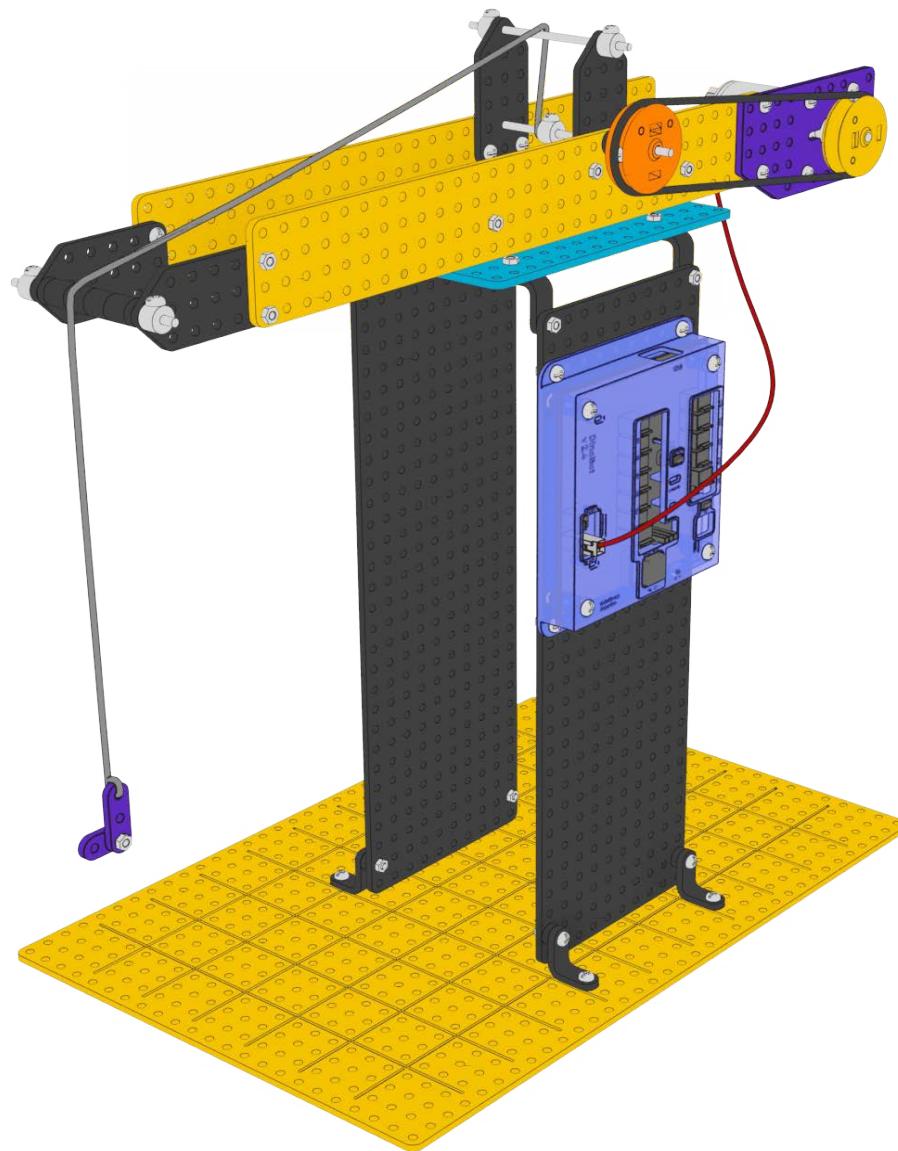
Paso 10

- 1 Languero 2
- 1 Languero 3
- 1 Tornillo 8 mm
- 1 Tuerca hexagonal
- Hilo

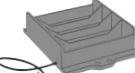
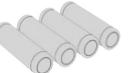


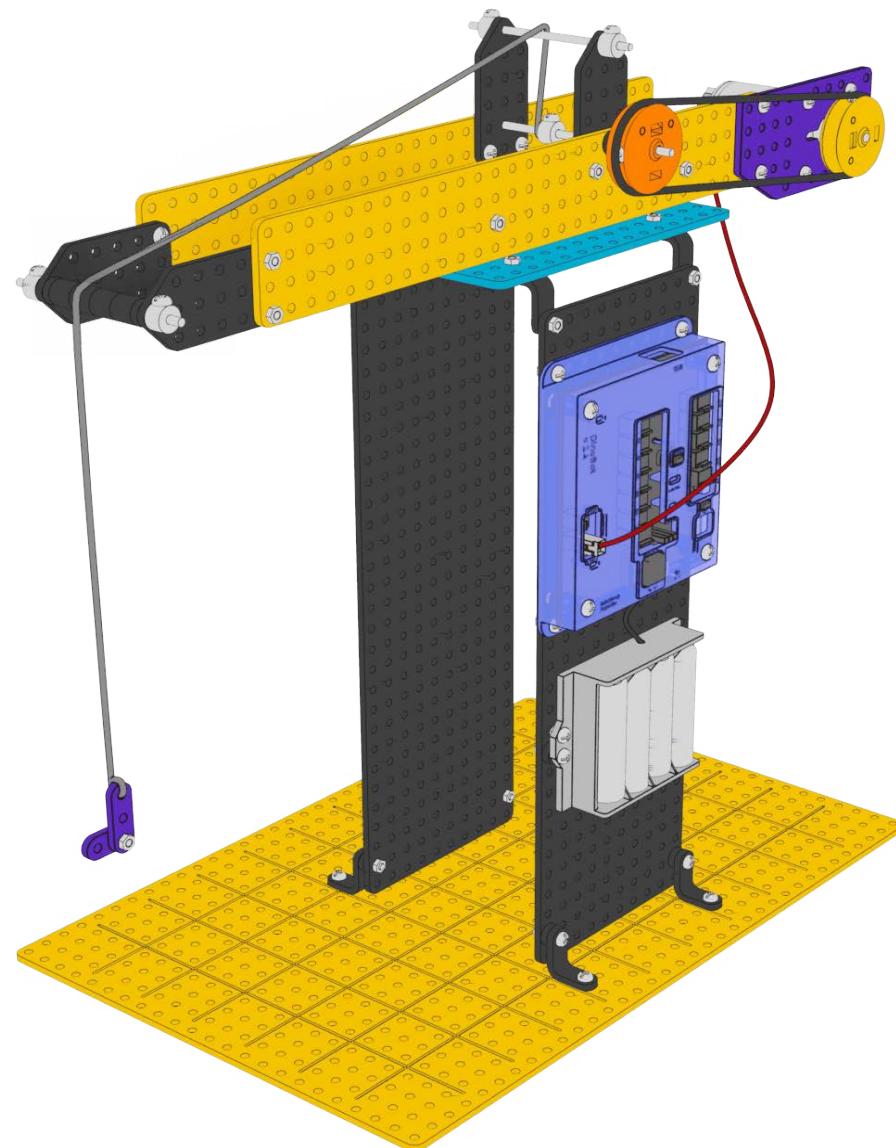
Paso 9

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 
- 1 Cable de motor 

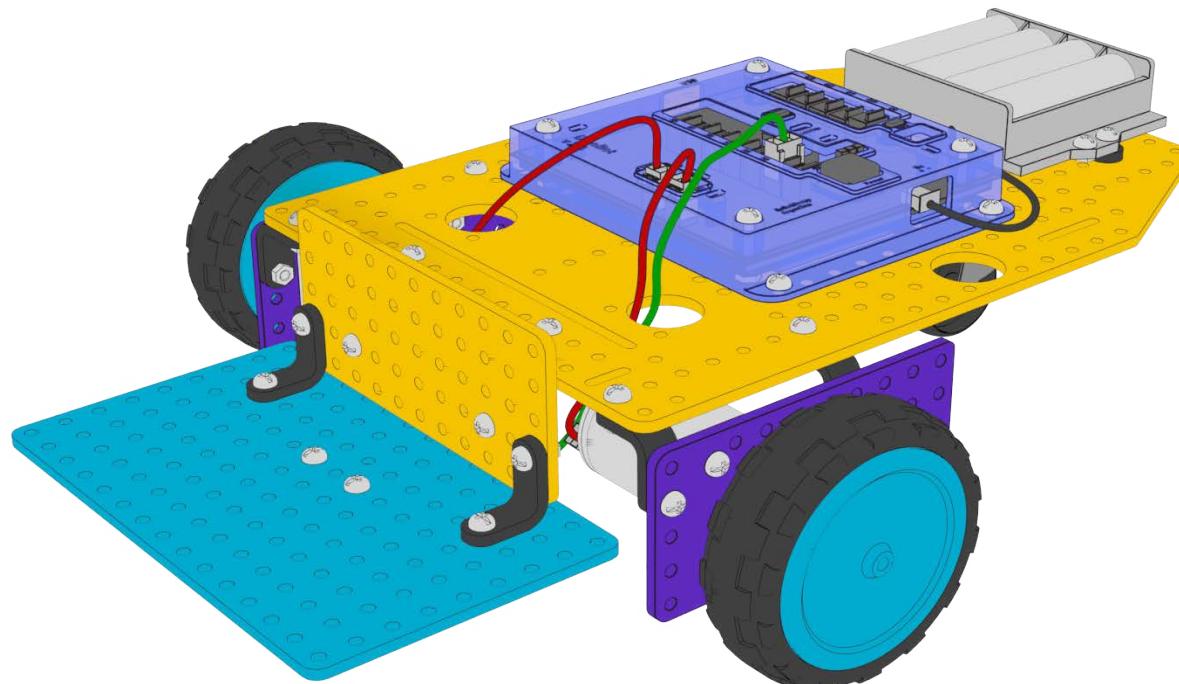


Paso 10

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 



Secuencia de armado de un montacargas

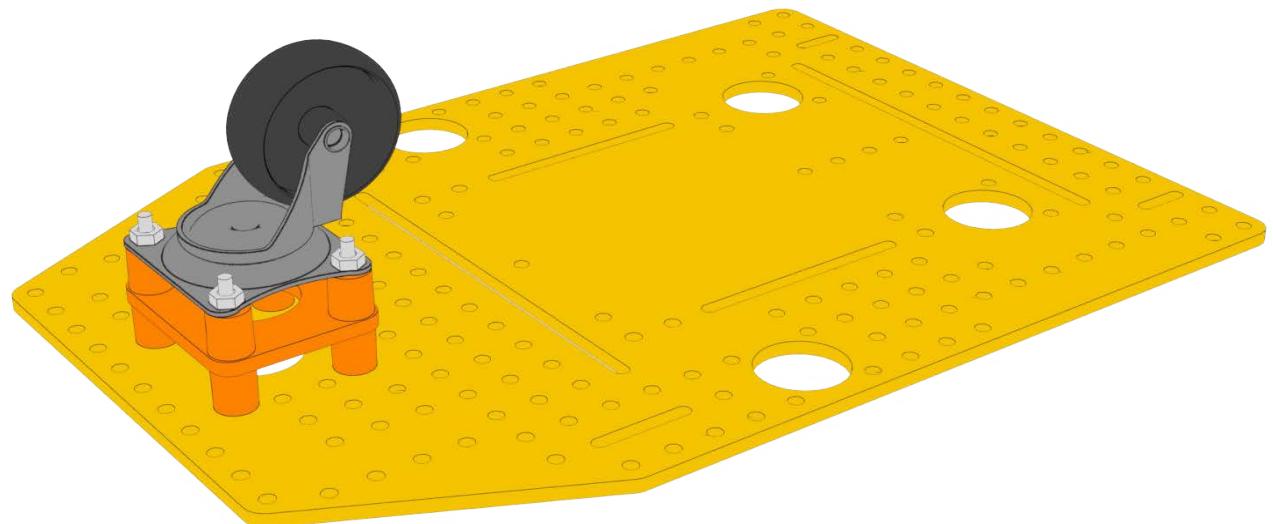


MATERIAL EXTRA

Cinta y cajas
pequeñas

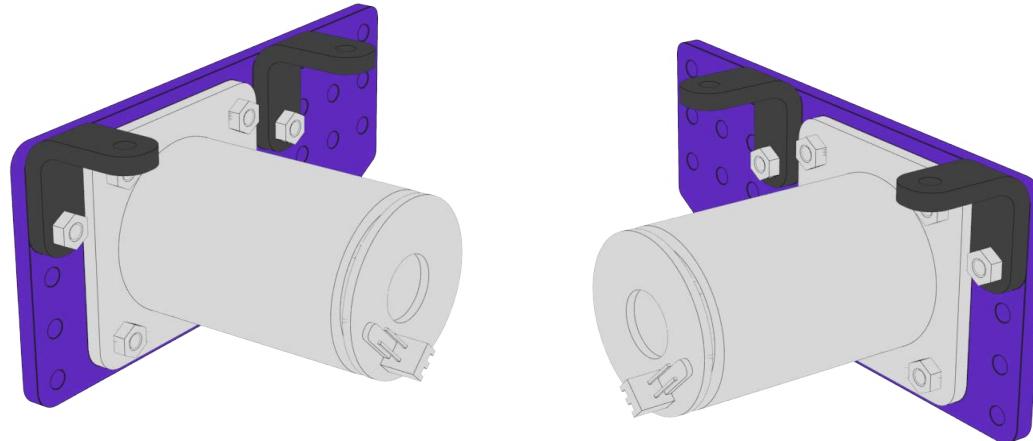
Paso 1

- 1 Chasis 
- 1 Soporte de rueda loca 
- 1 Rueda loca 
- 4 Tornillo 30 mm 
- 4 Tuerca hexagonal 



Paso 2

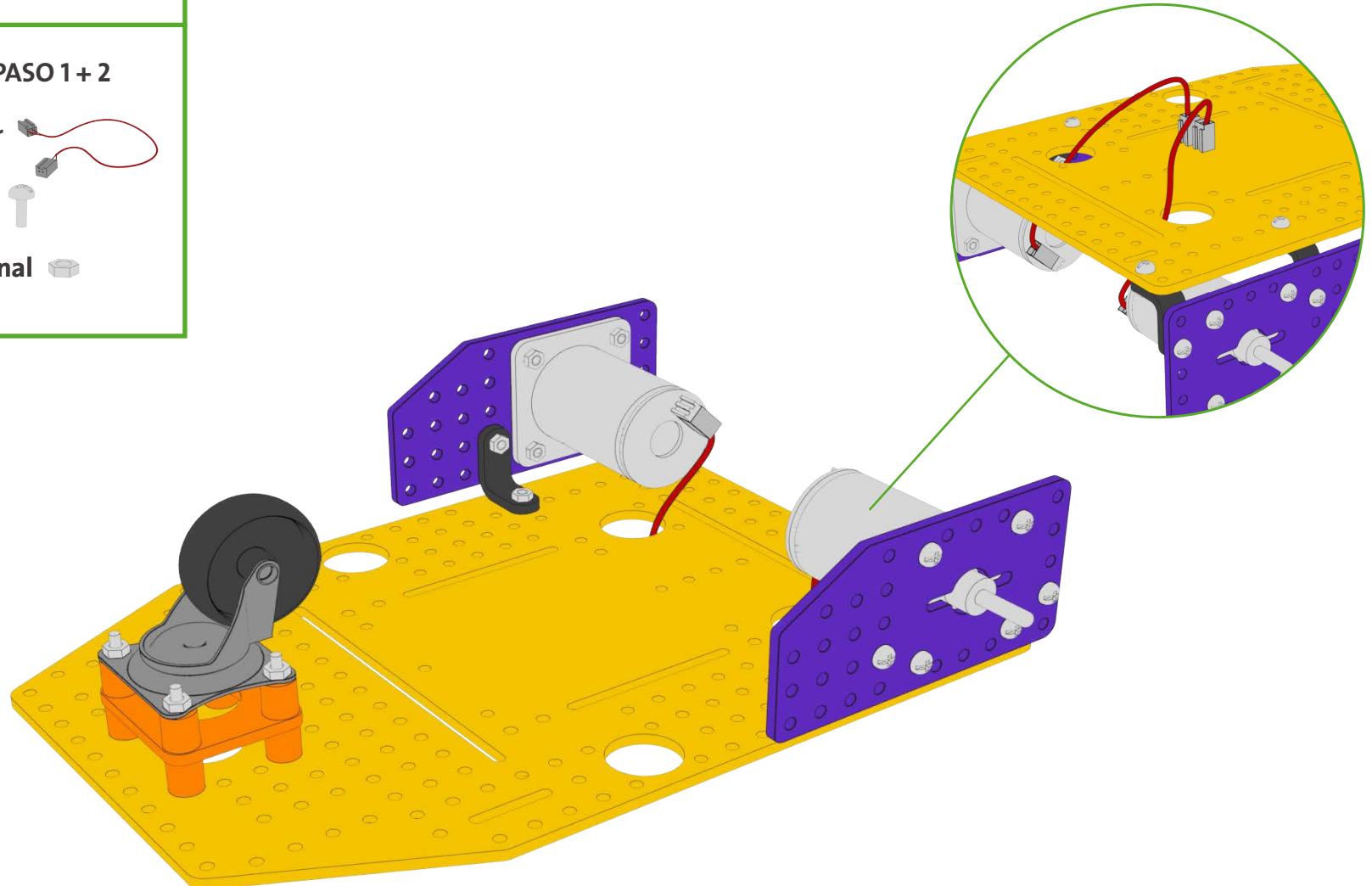
- 2 Motor 
- 2 Soporte de motor 
- 12 Tornillo 8 mm 
- 12 Tuerca hexagonal 
- 4 L 



Paso 3

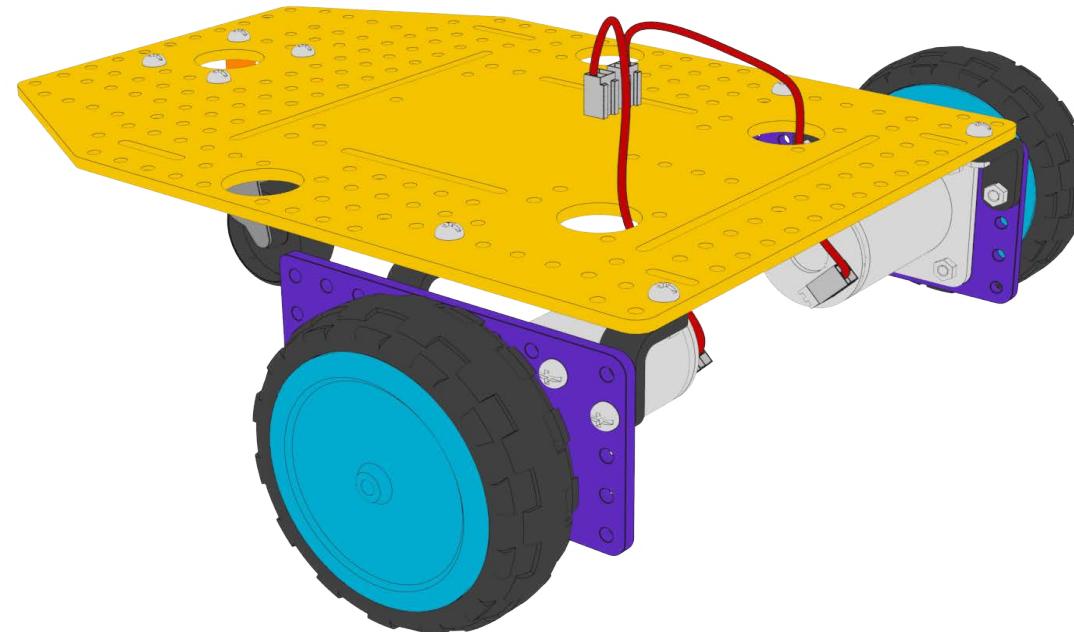
Unir armados de PASO 1 + 2

- 2 Cable de motor 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



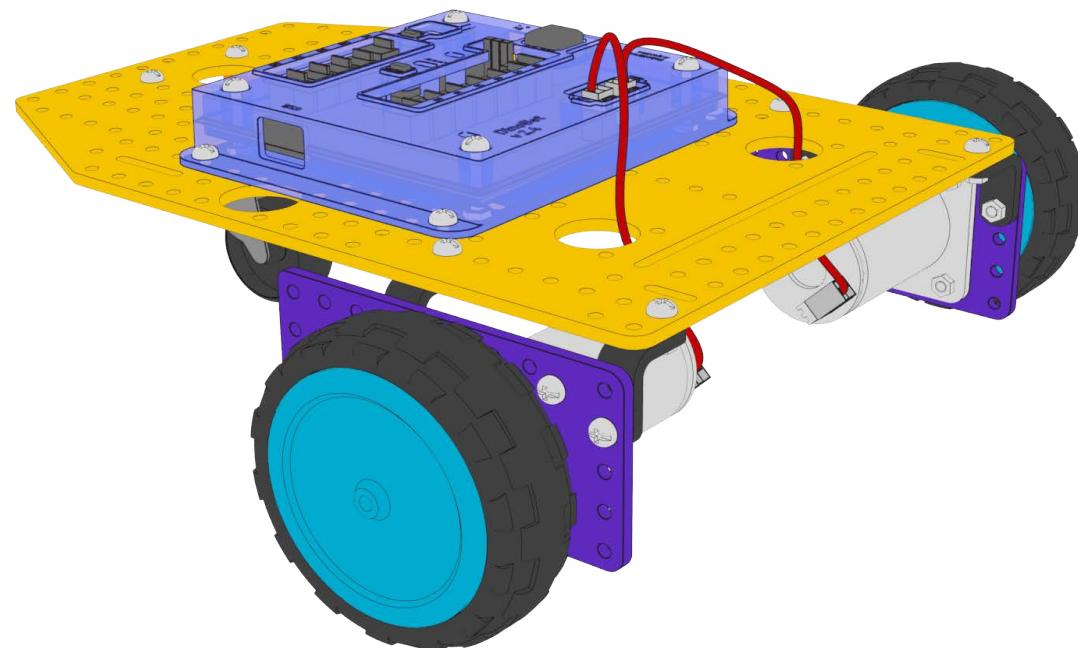
Paso 4

2 Rueda



Paso 5

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



Paso 6

1 Portapilas



4 Pilas



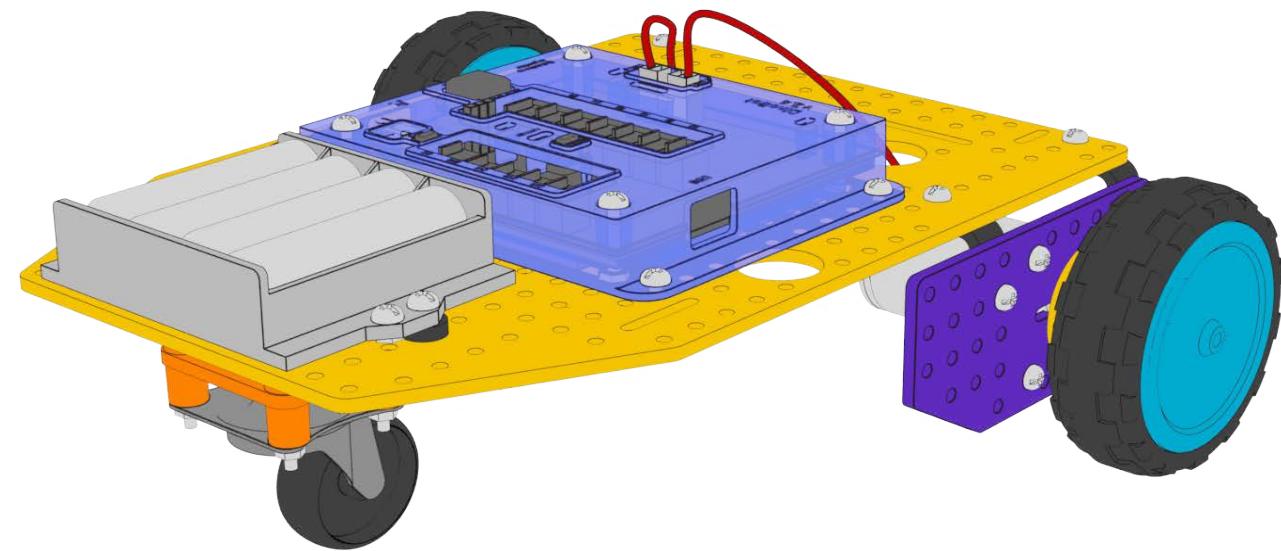
2 Tornillo 12 mm



2 Tuerca hexagonal

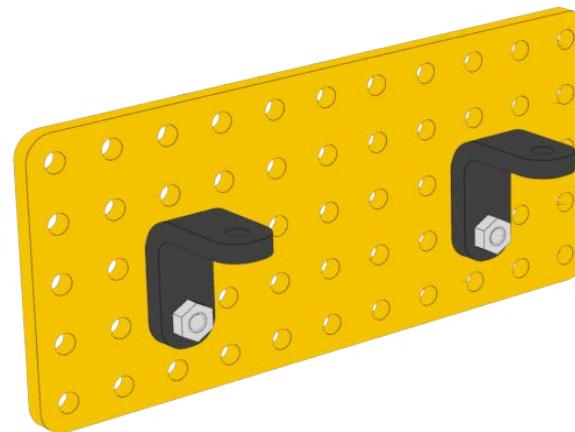


2 Separadores de goma
3mm



Paso 7

- 1 Plancha 11x5 
- 2 L 
- 2 Tornillo 8 mm 
- 2 Tuerca hexagonal 

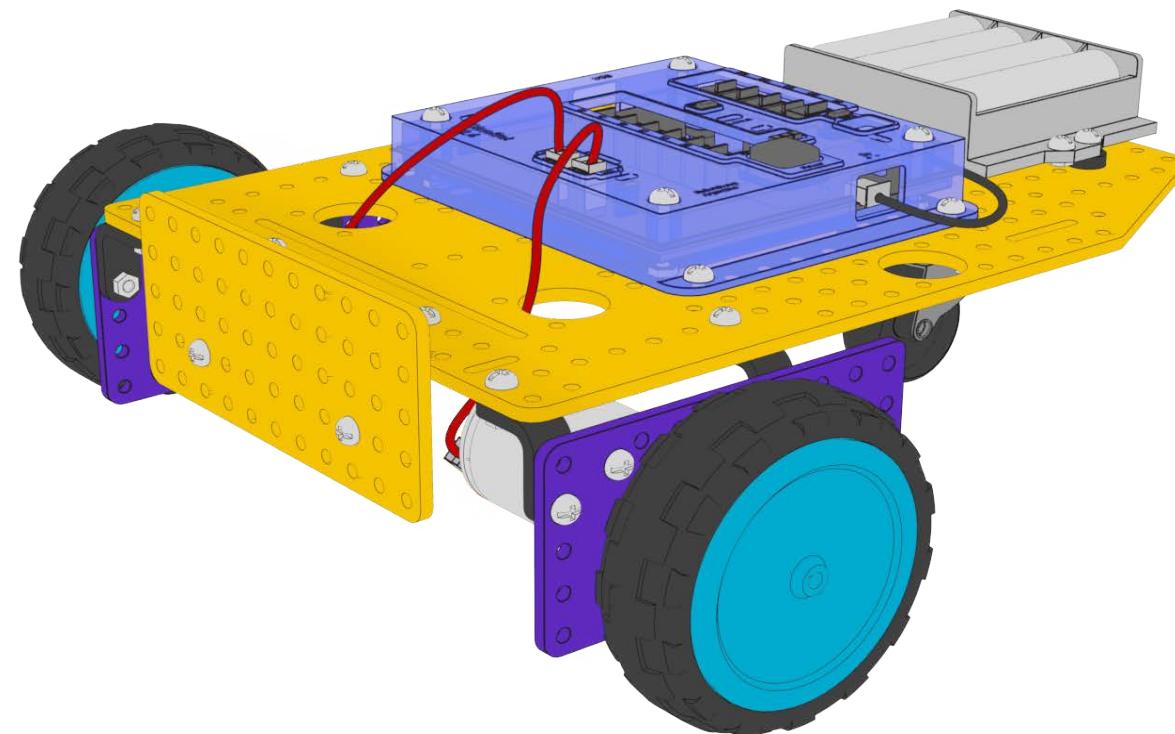


Paso 8

Unir armados de PASO 6 + 7

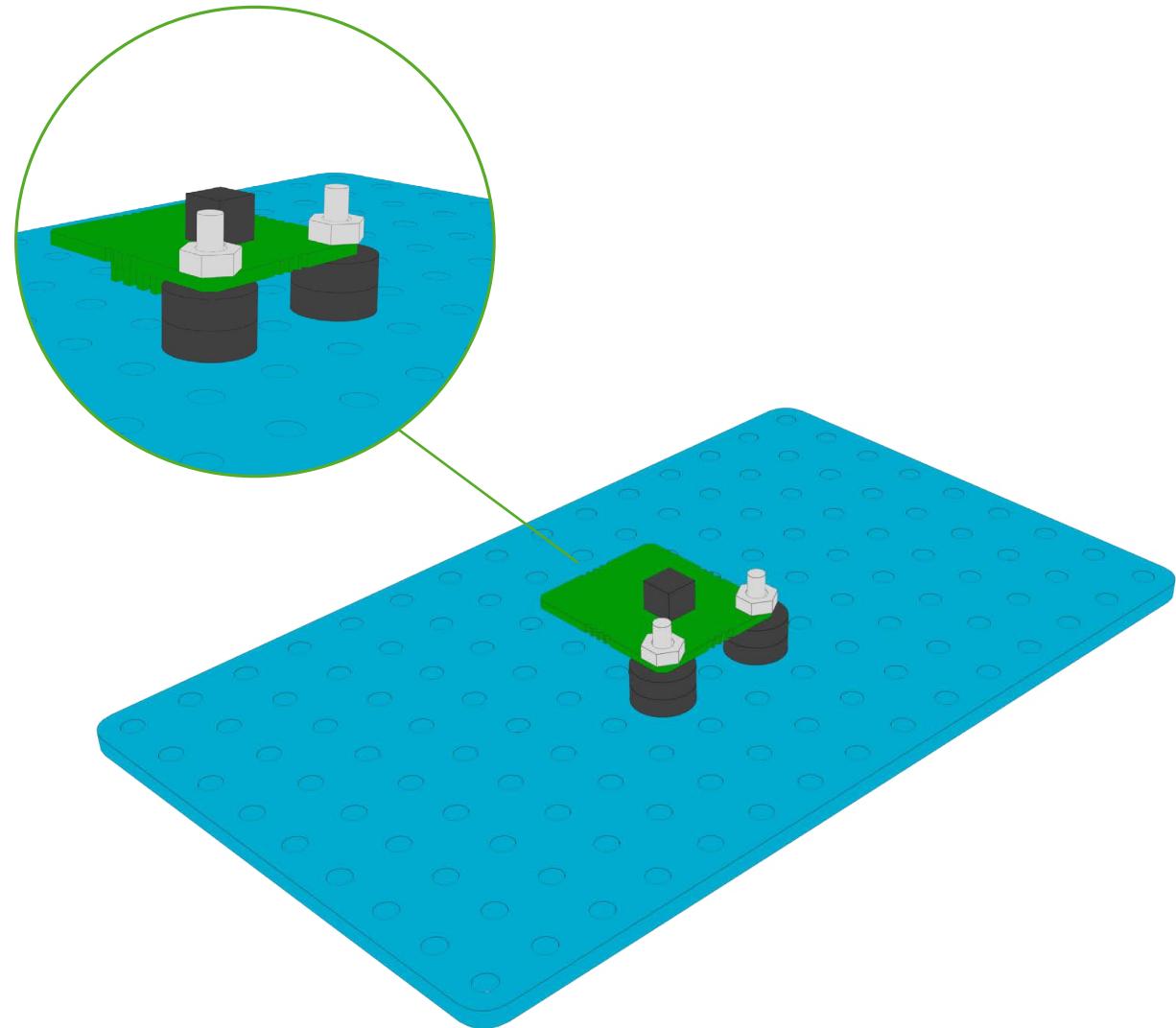
2 Tornillo 8 mm 

2 Tuerca hexagonal 



Paso 9

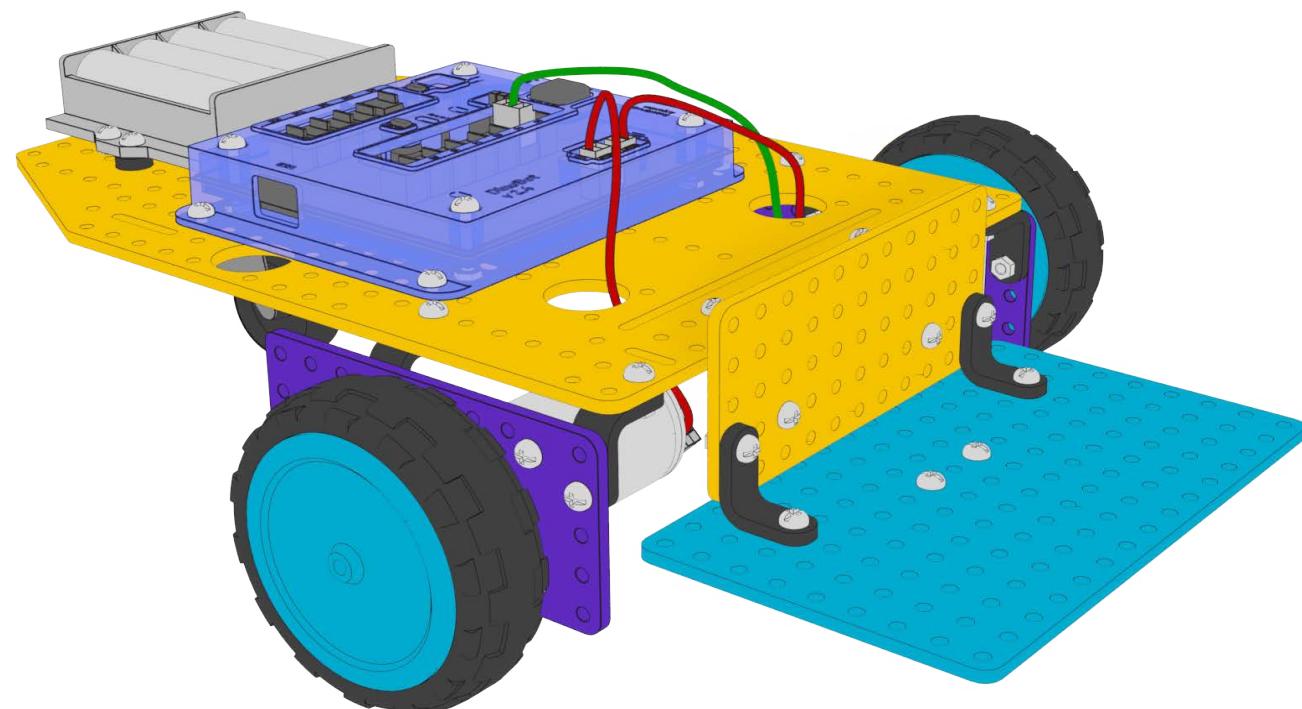
- 1 Sensor IR - CNY70 (infrarrojo) 
- 1 Plancha 9x15 
- 4 Separadores de goma 3mm 
- 2 Tornillo 16 mm 
- 2 Tuerca hexagonal 



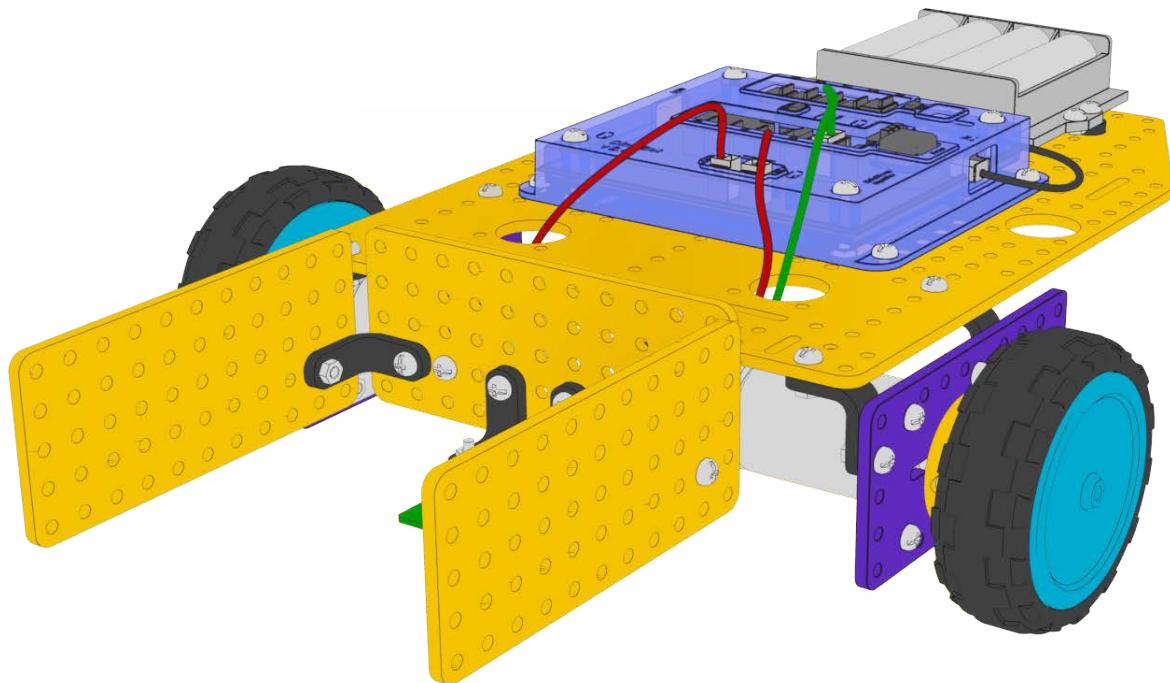
Paso 10

Unir armados de PASO 8 + 9

- 1 Cable de sensor
- 2 L
- 4 Tornillo 8 mm
- 4 Tuerca hexagonal



Secuencia de armado de un robot recolector de basura

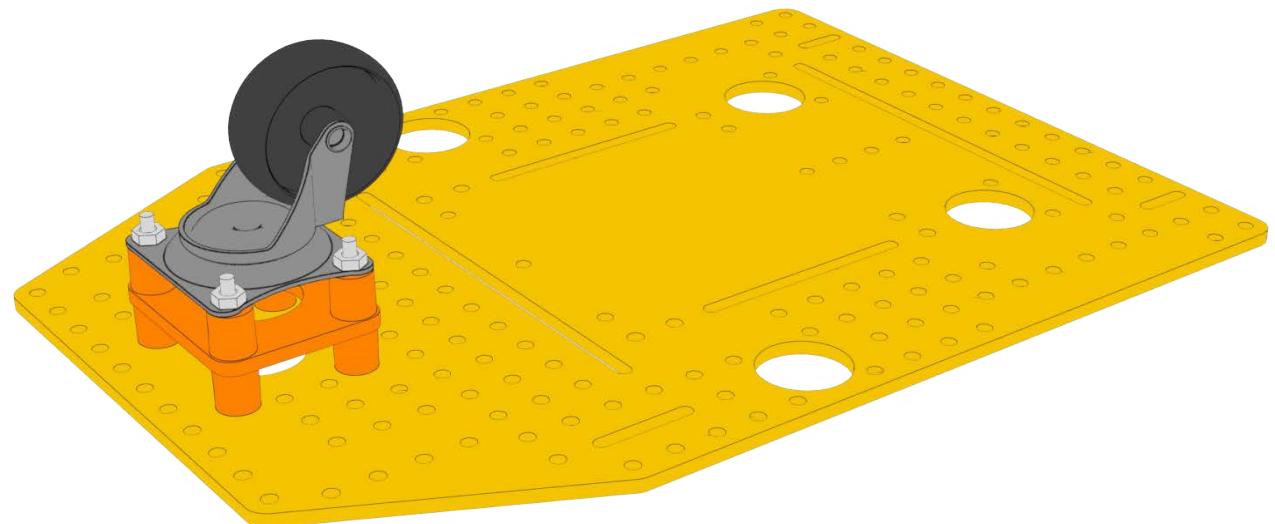


MATERIAL
EXTRA

Cronómetro
y tapas

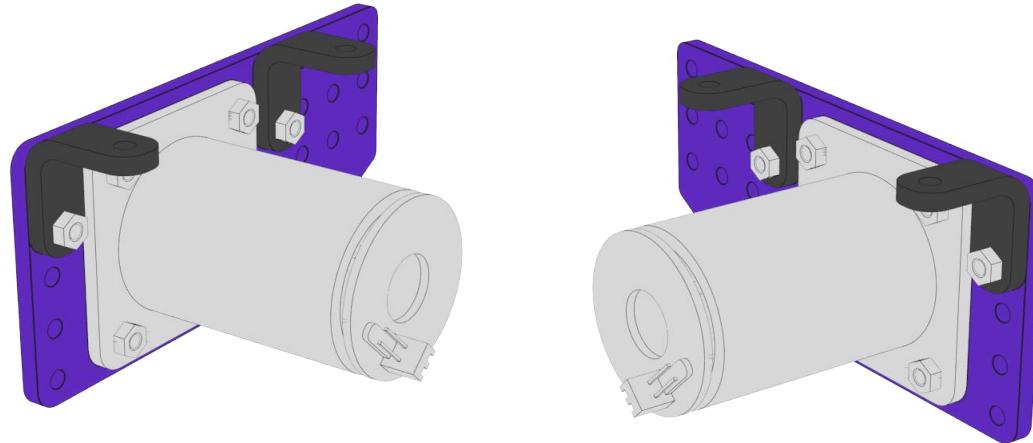
Paso 1

- 1 Chasis 
- 1 Soporte de rueda loca 
- 1 Rueda loca 
- 4 Tornillo 30 mm 
- 4 Tuerca hexagonal 



Paso 2

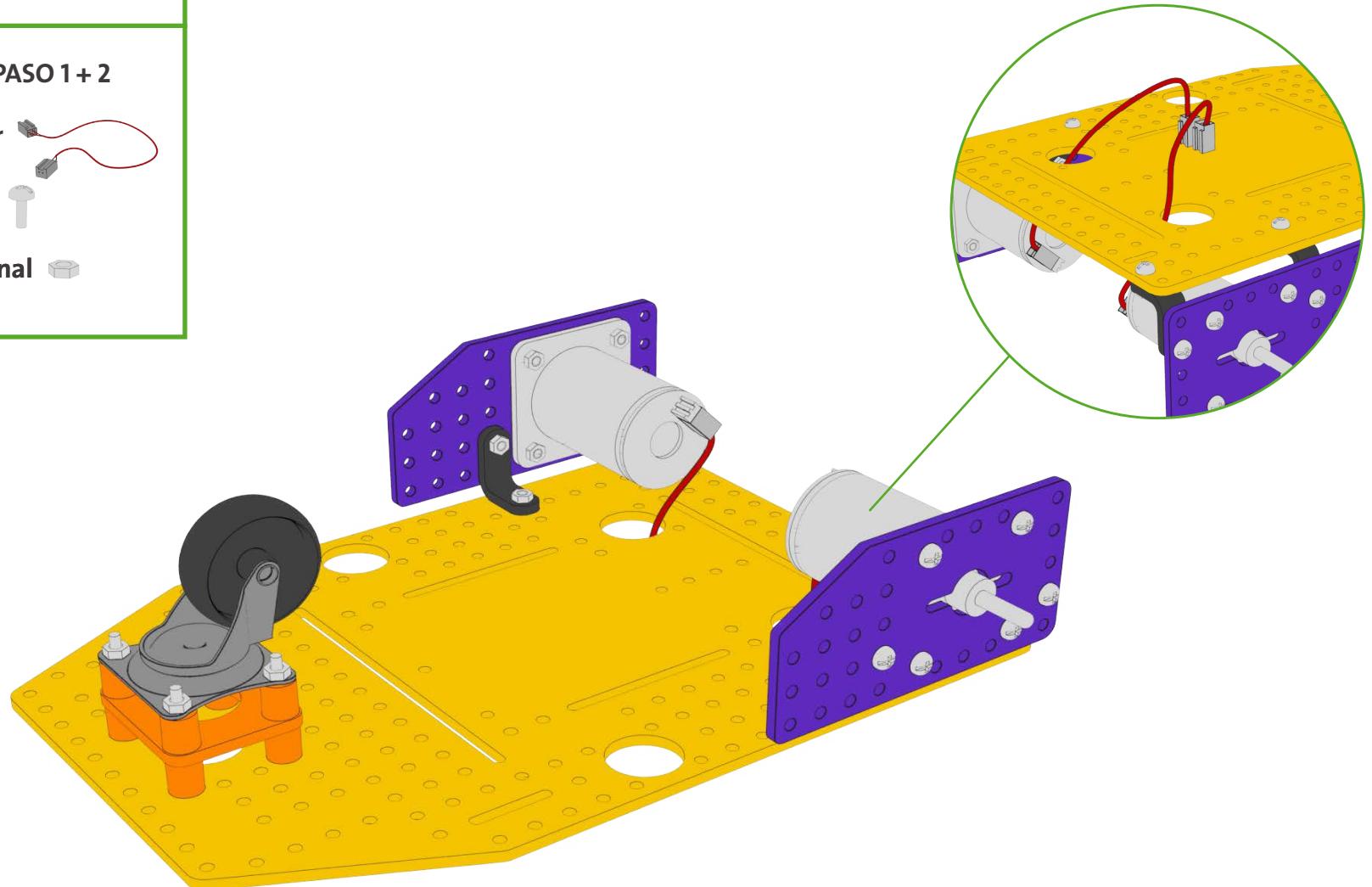
- 2 Motor 
- 2 Soporte de motor 
- 12 Tornillo 8 mm 
- 12 Tuerca hexagonal 
- 4 L 



Paso 3

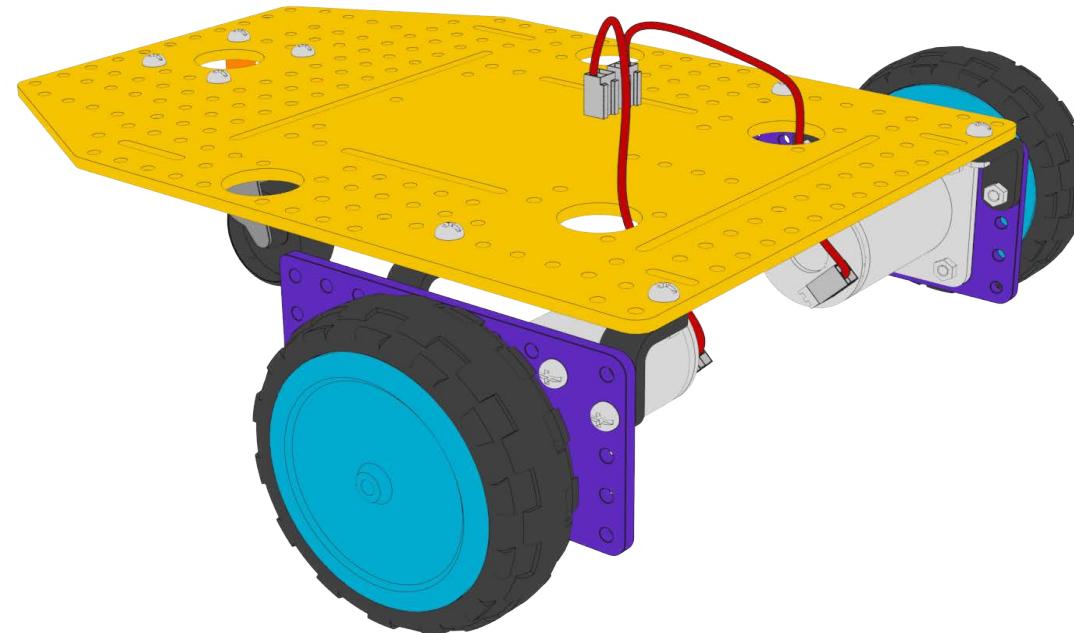
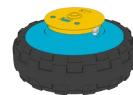
Unir armados de PASO 1 + 2

- 2 Cable de motor 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



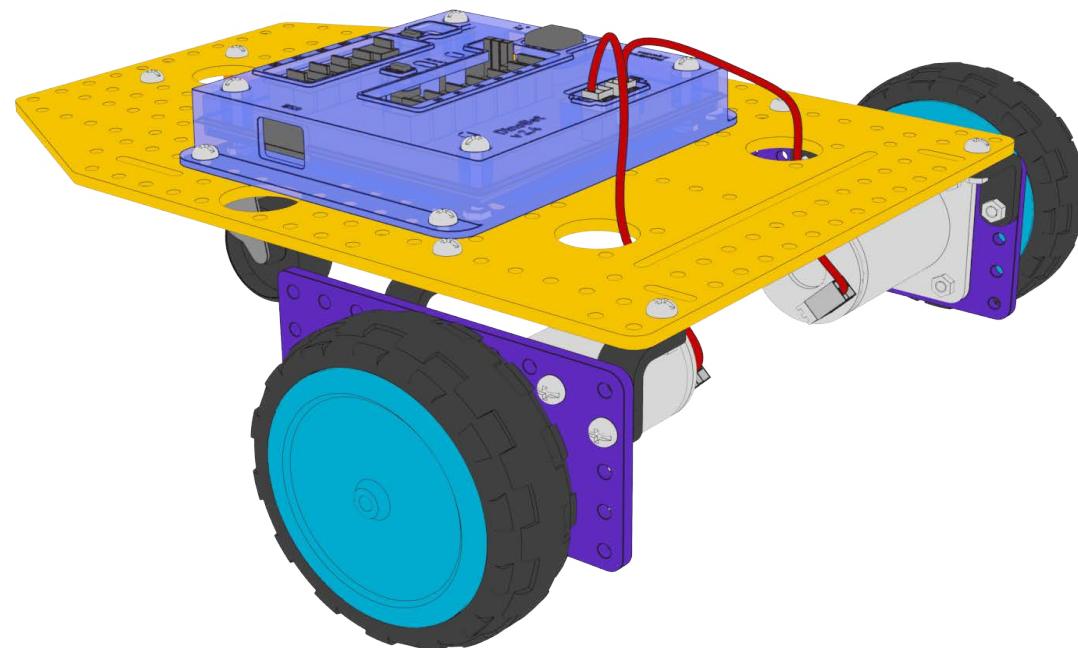
Paso 4

2 Rueda

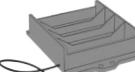


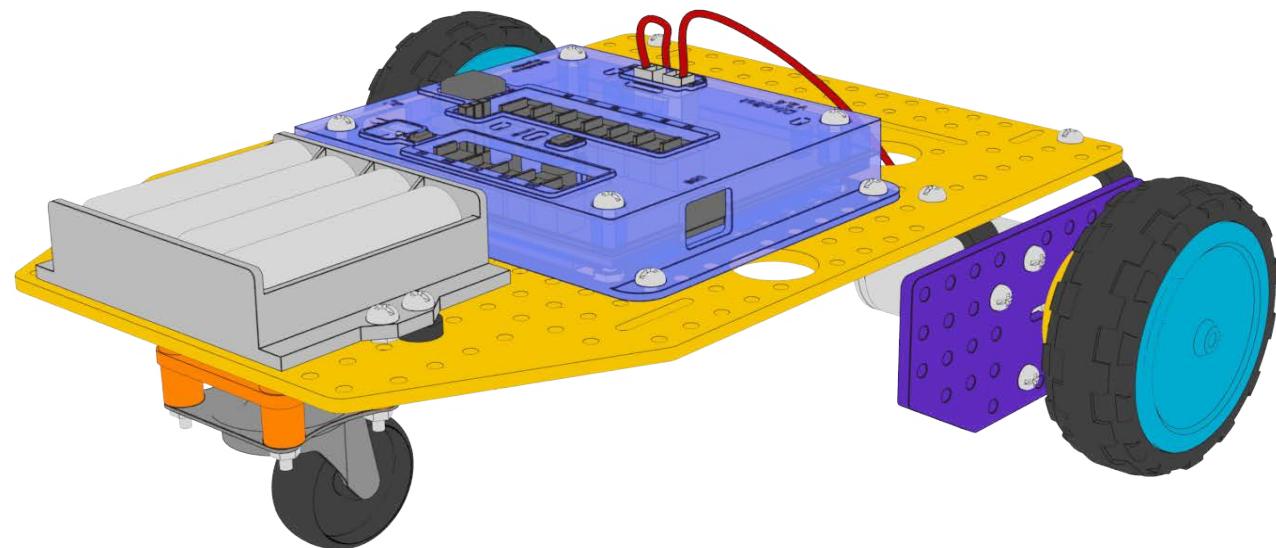
Paso 5

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



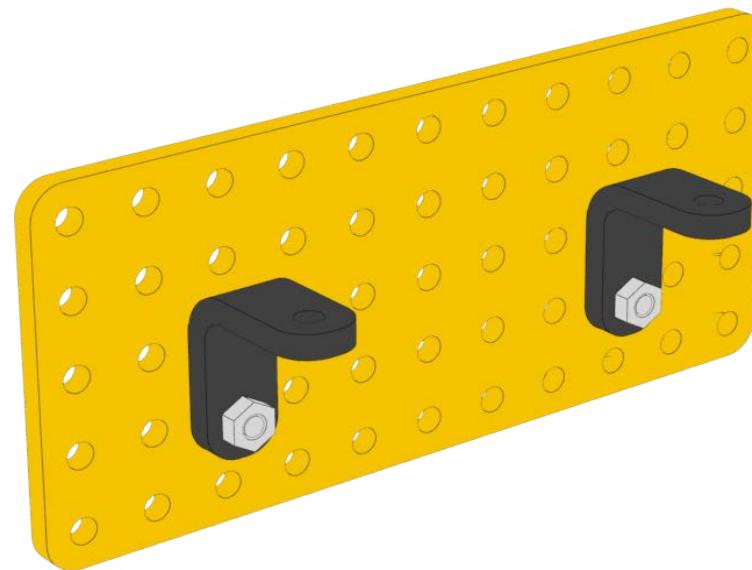
Paso 6

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 



Paso 7

- 1 Plancha 11x5
- 2 L 
- 2 Tornillo 8 mm 
- 2 Tuerca hexagonal 

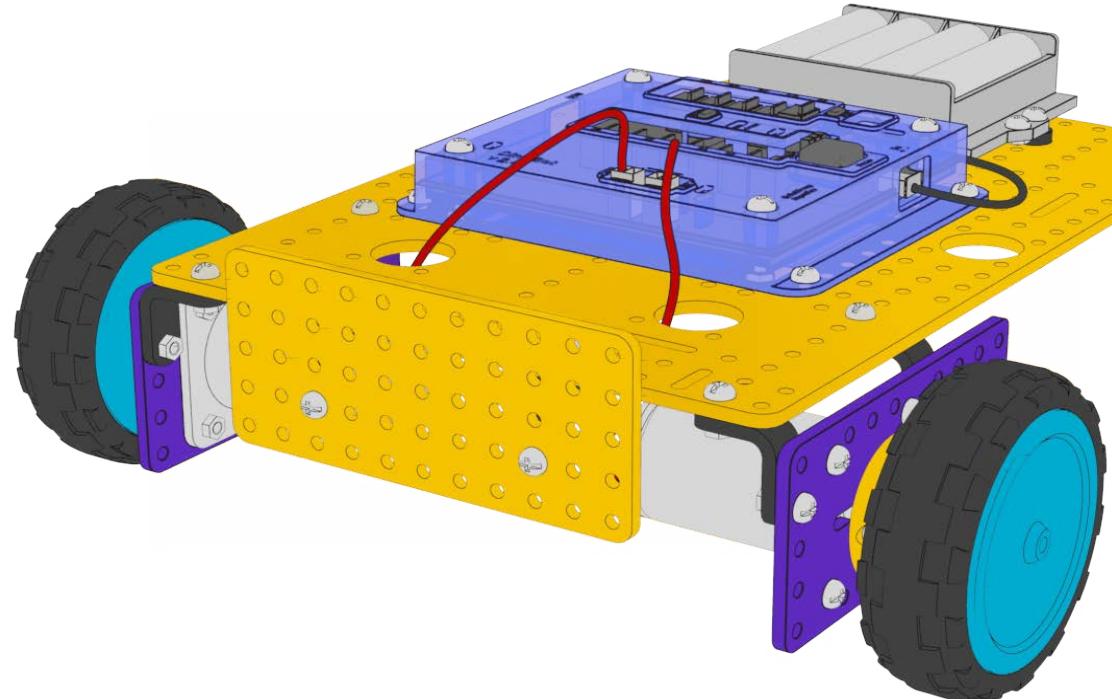


Paso 8

Unir armados de PASO 6 + 7

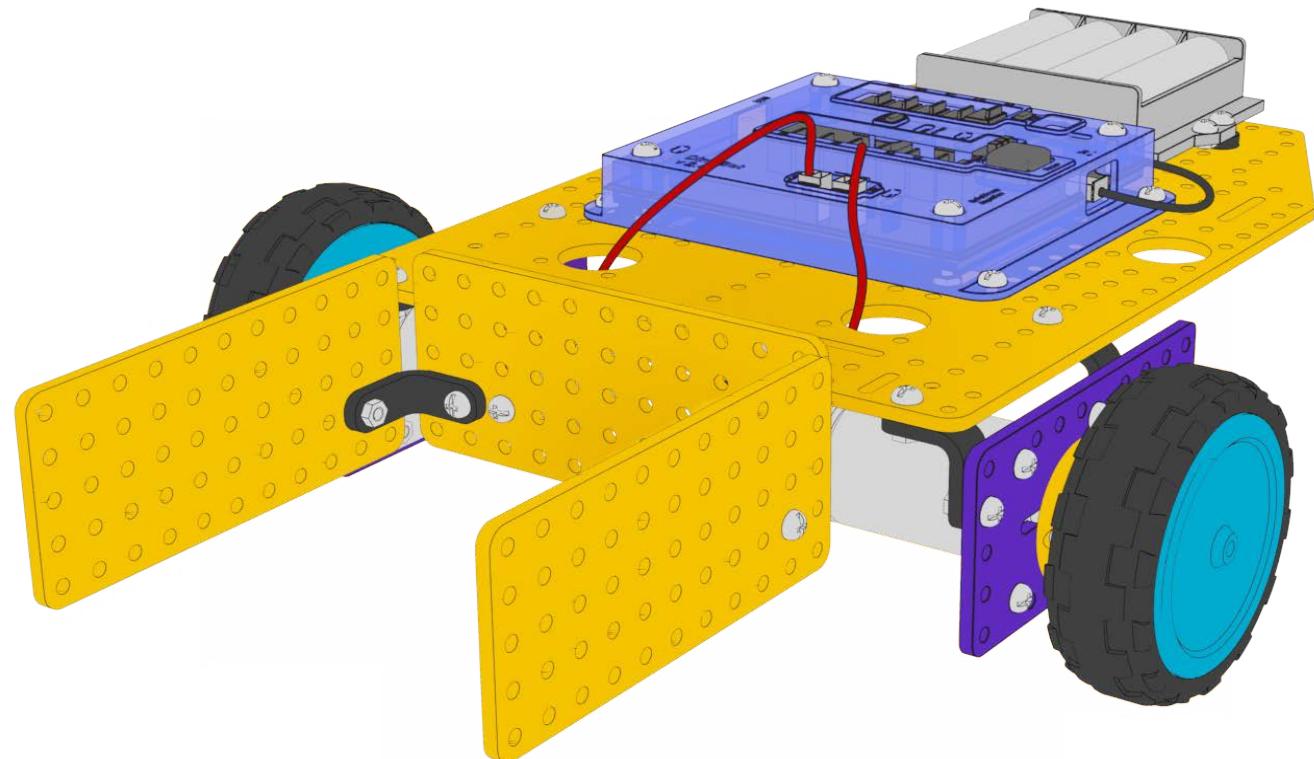
2 Tornillo 8 mm 

2 Tuerca hexagonal 



Paso 9

- 2 Plancha 11x5 
- 2 L 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



Paso 10

1 Sensor IR - CNY70
(infrarrojo)



1 Cable de sensor



1 Larguero 3



2 L



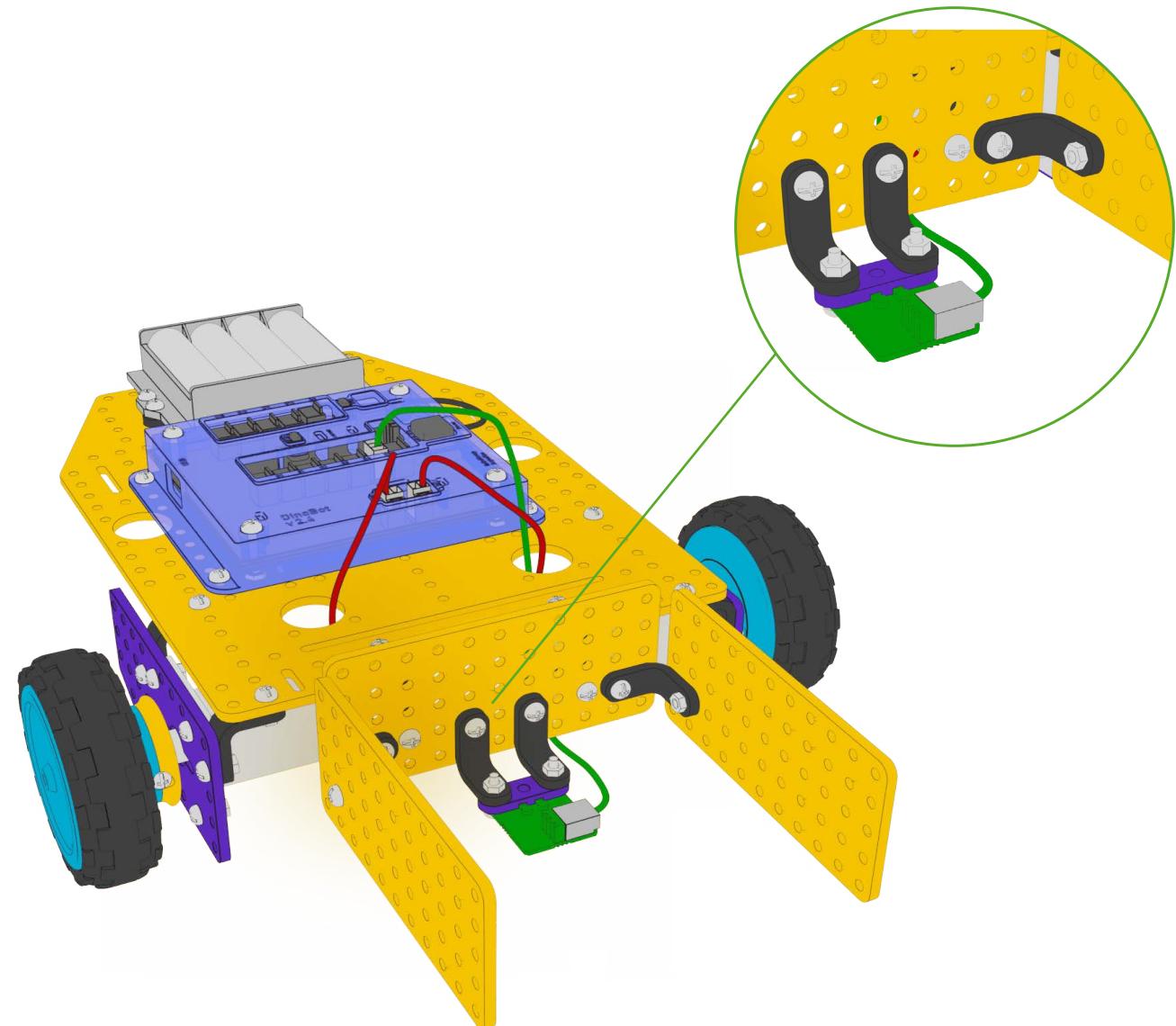
2 Tornillo 8 mm



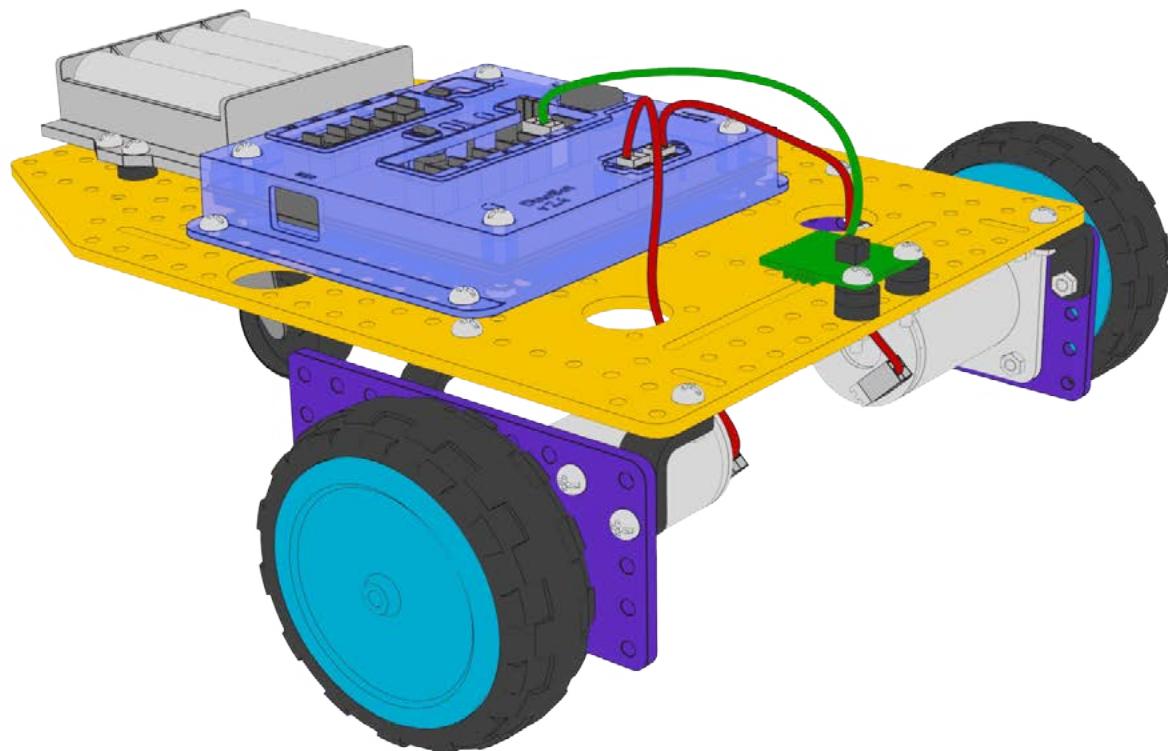
2 Tornillo 16 mm



4 Tuerca hexagonal

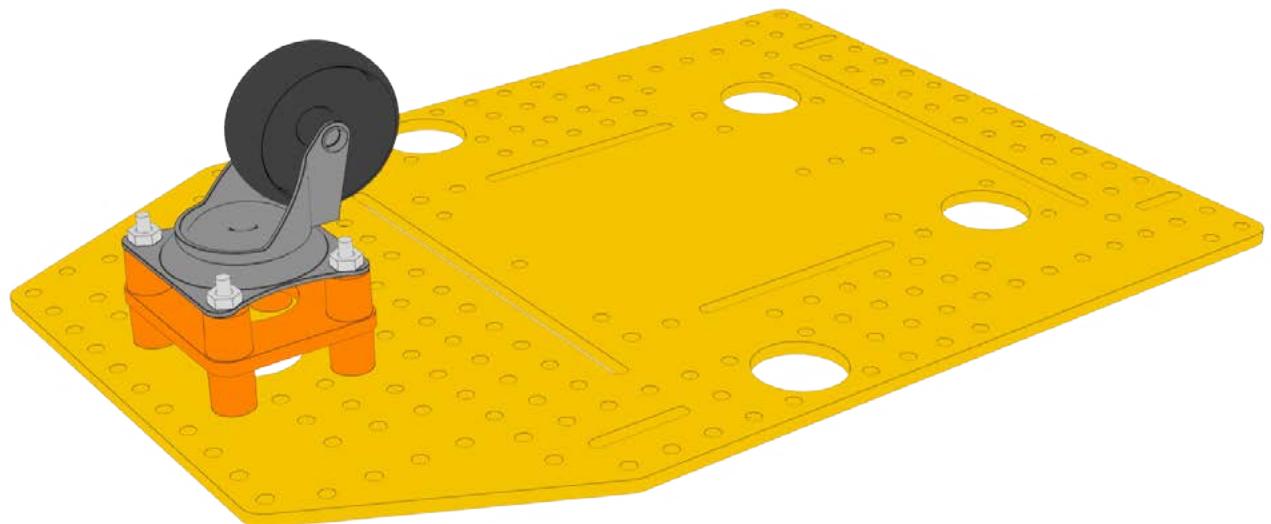


Secuencia de armado de un robot estatua



Paso 1

- 1 Chasis 
- 1 Soporte de rueda loca 
- 1 Rueda loca 
- 4 Tornillo 30 mm 
- 4 Tuerca hexagonal 



Paso 2

2 Motor



2 Soporte de motor



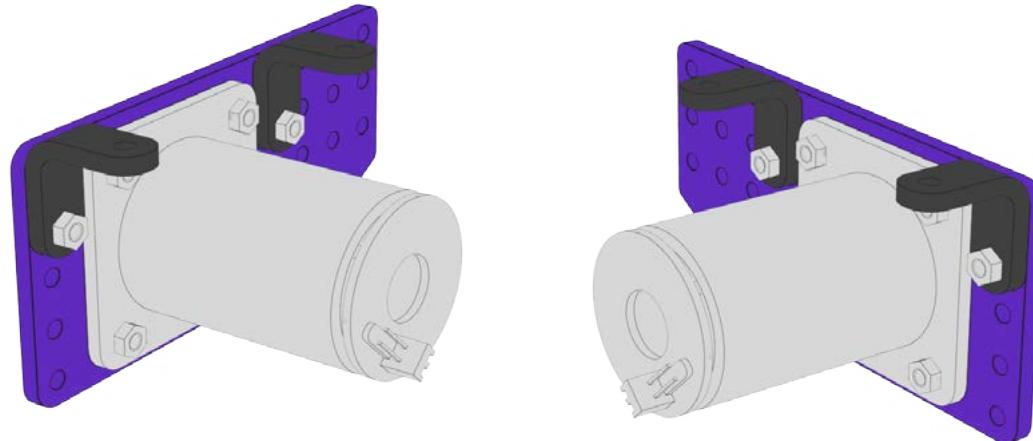
12 Tornillo 8 mm



12 Tuerca hexagonal



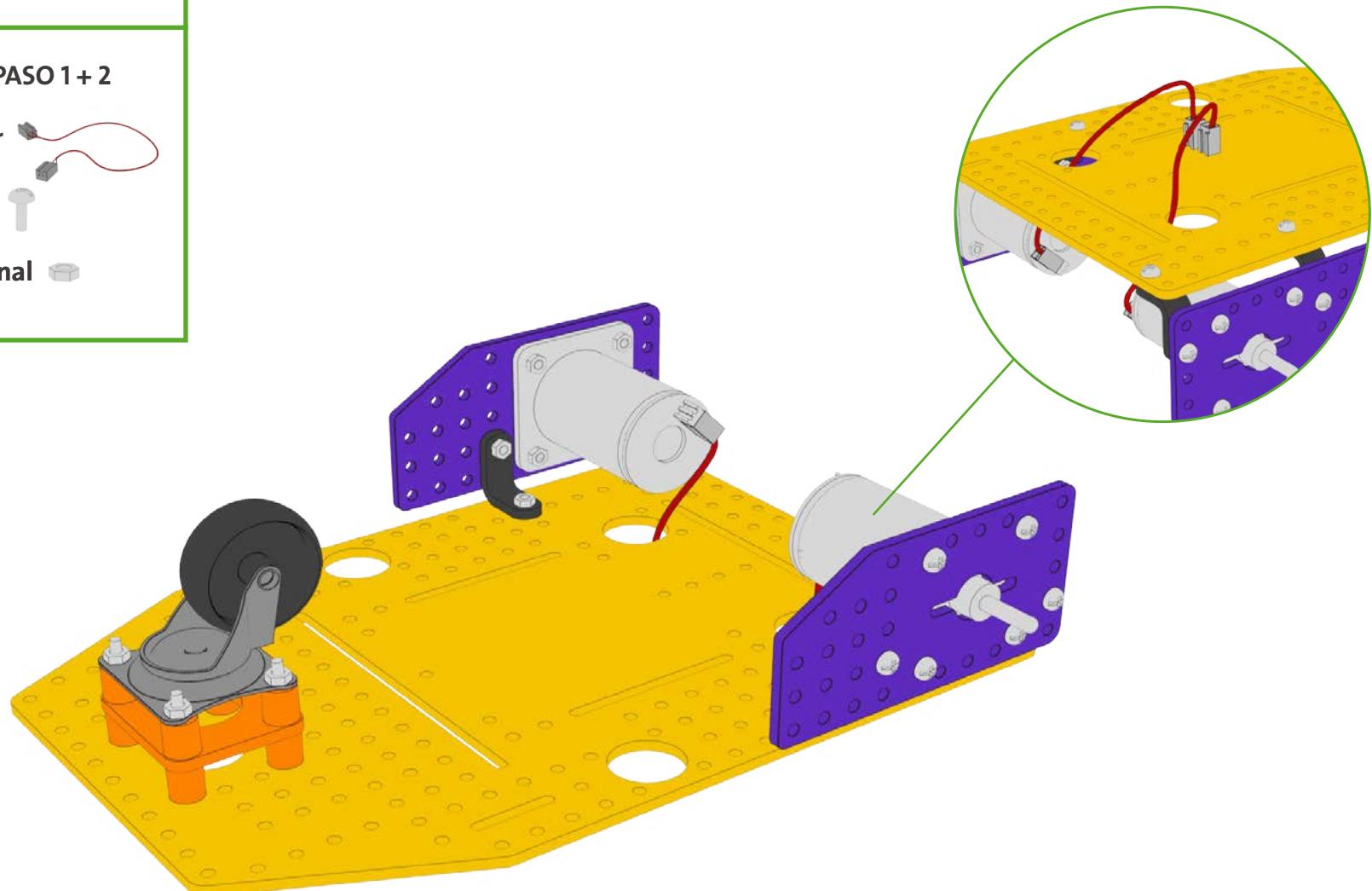
4 L



Paso 3

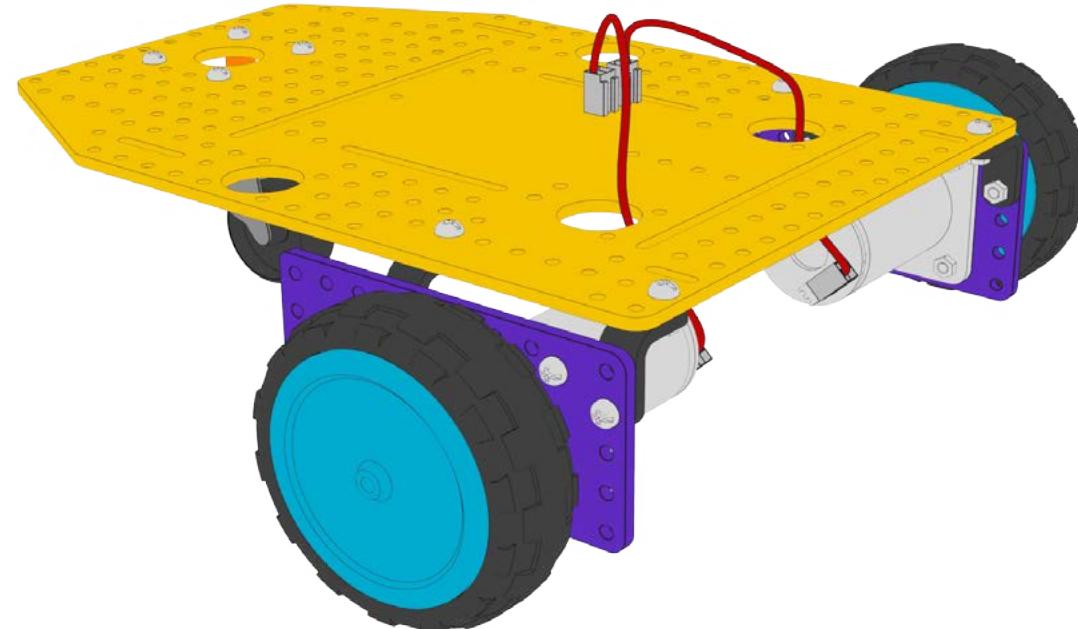
Unir armados de PASO 1 + 2

- 2 Cable de motor
- 4 Tornillo 8 mm
- 4 Tuerca hexagonal



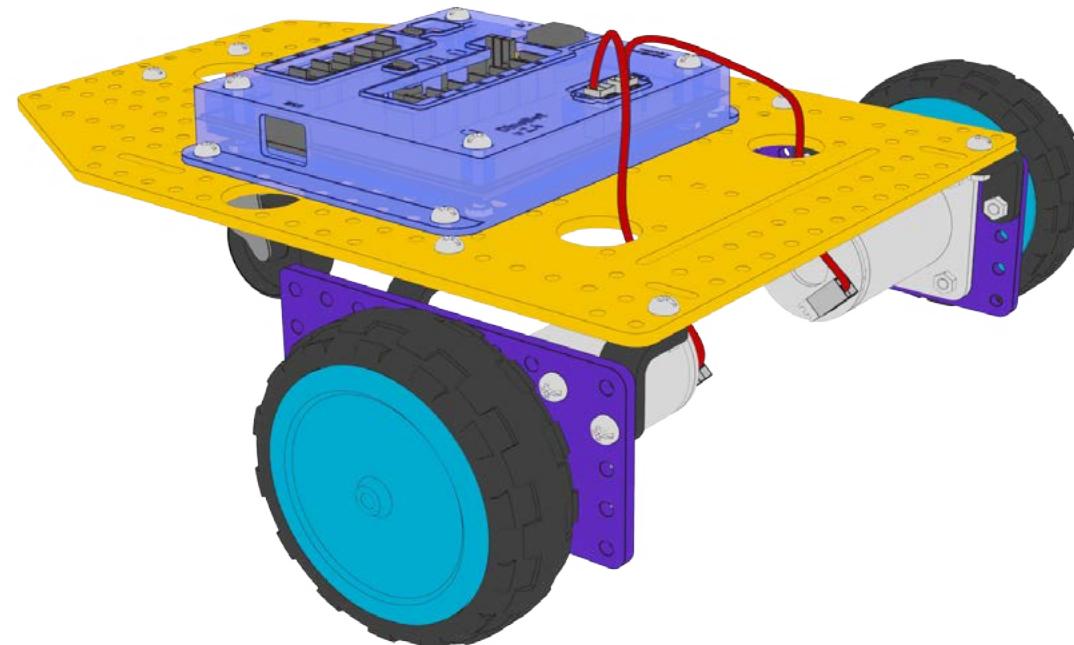
Paso 4

2 Rueda

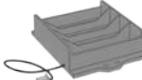


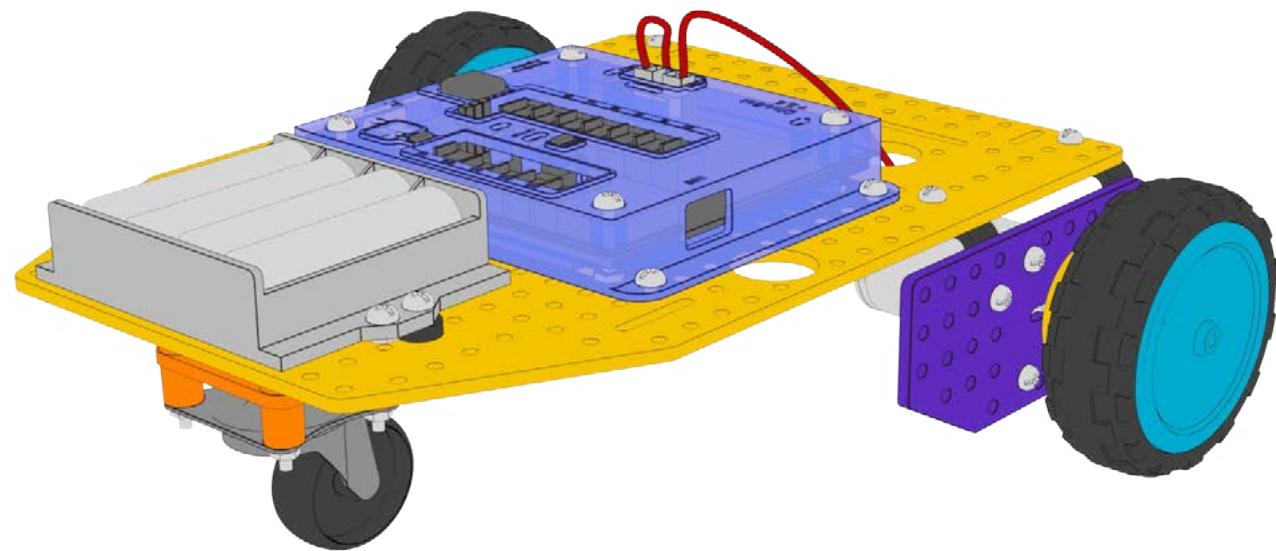
Paso 5

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



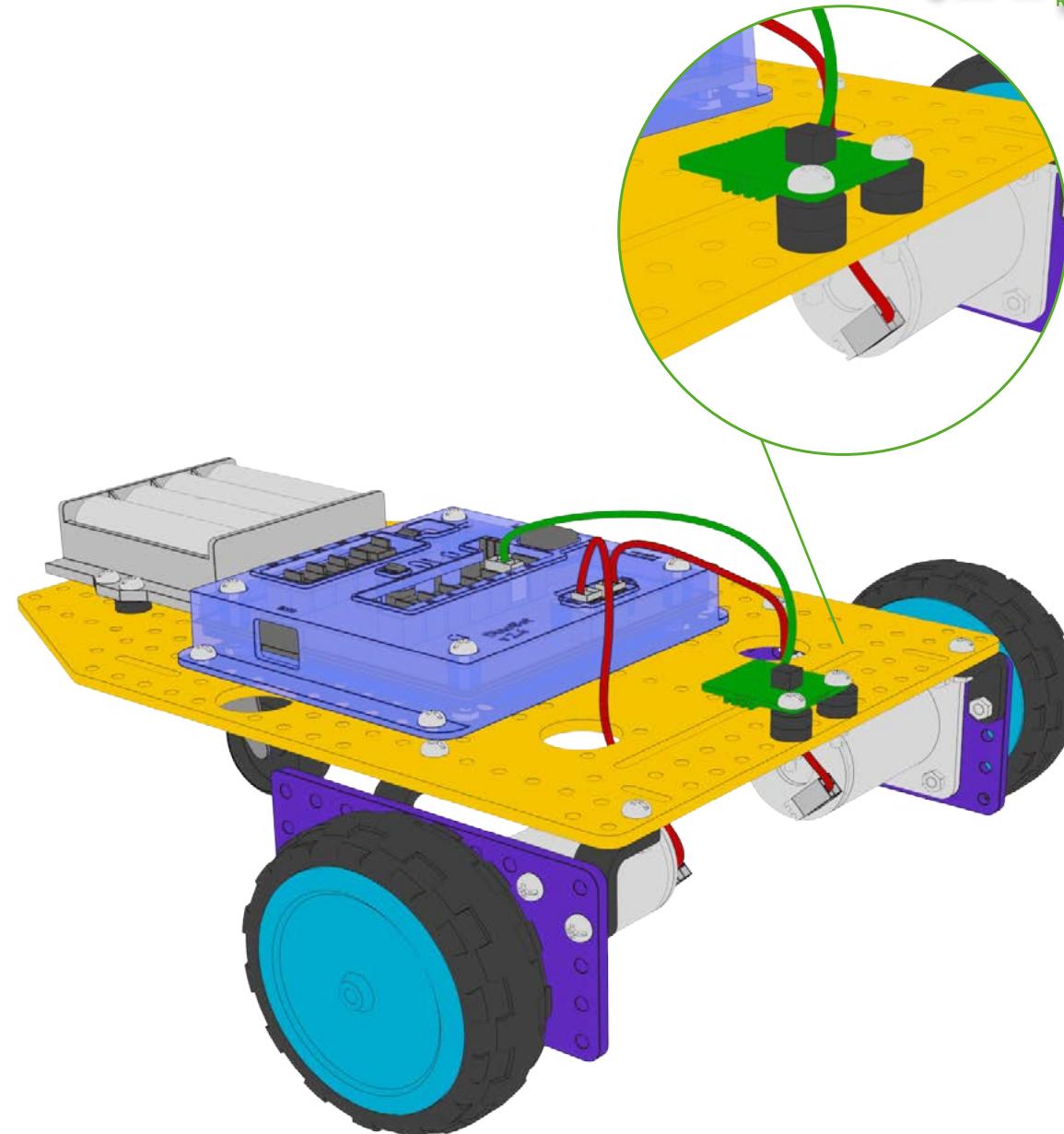
Paso 6

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 

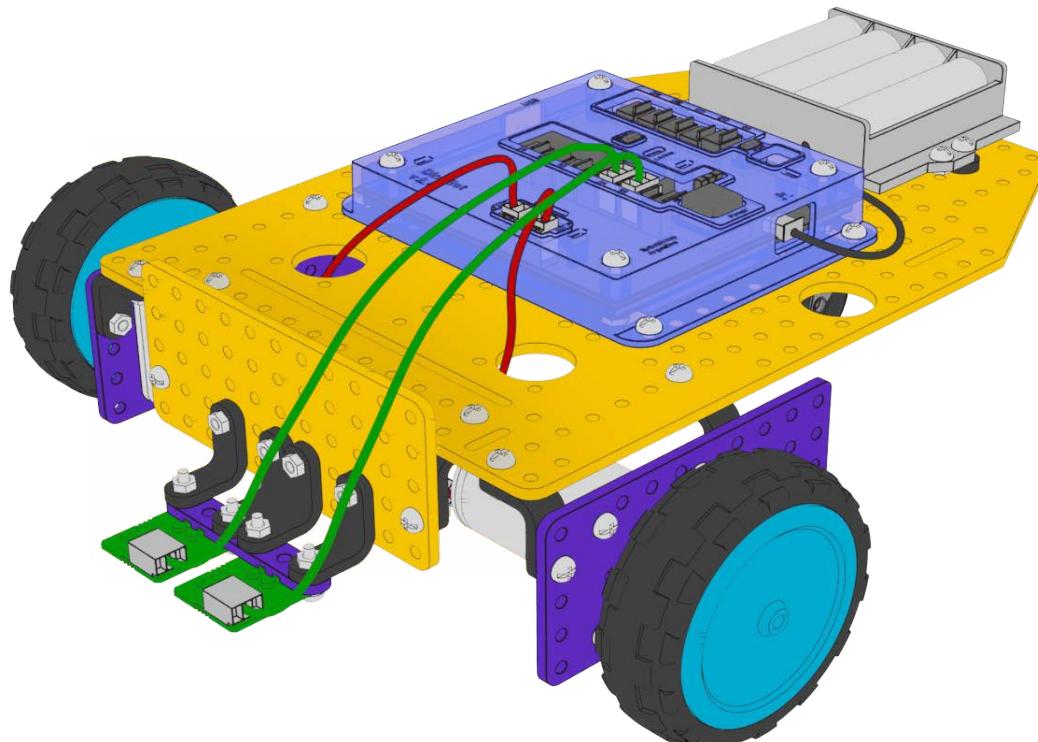


Paso 7

- 1 Sensor LDR (fotosensible) 
- 1 Cable de sensor 
- 4 Separadores de goma 3mm
- 2 Tornillo 16 mm 
- 2 Tuerca hexagonal 

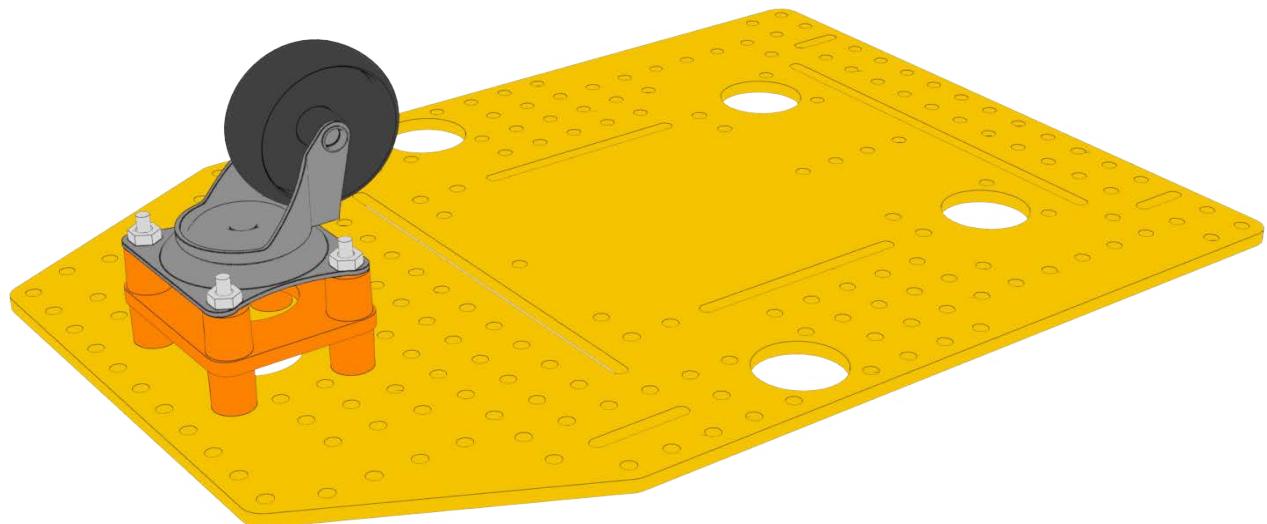


Secuencia de armado de un robot seguidor de línea



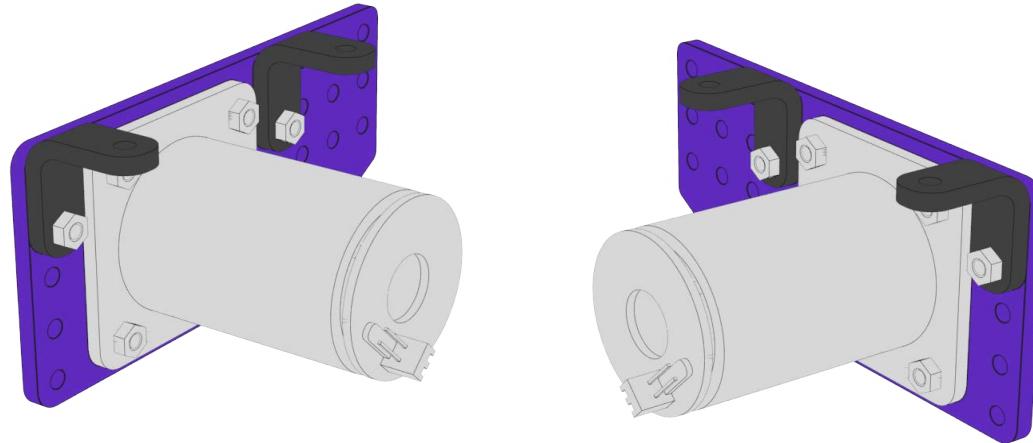
Paso 1

- 1 Chasis 
- 1 Soporte de rueda loca 
- 1 Rueda loca 
- 4 Tornillo 30 mm 
- 4 Tuerca hexagonal 



Paso 2

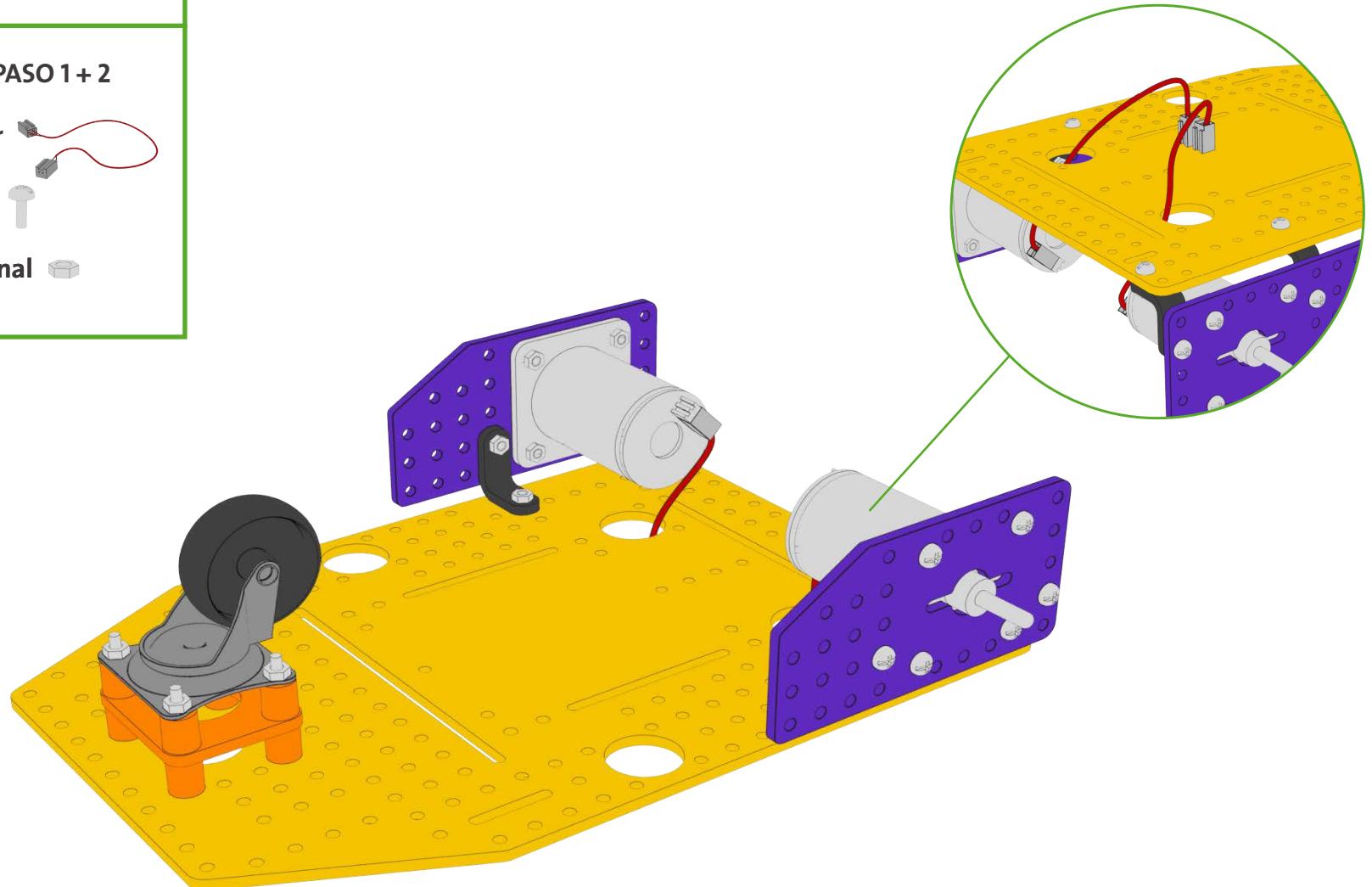
- 2 Motor 
- 2 Soporte de motor 
- 12 Tornillo 8 mm 
- 12 Tuerca hexagonal 
- 4 L 



Paso 3

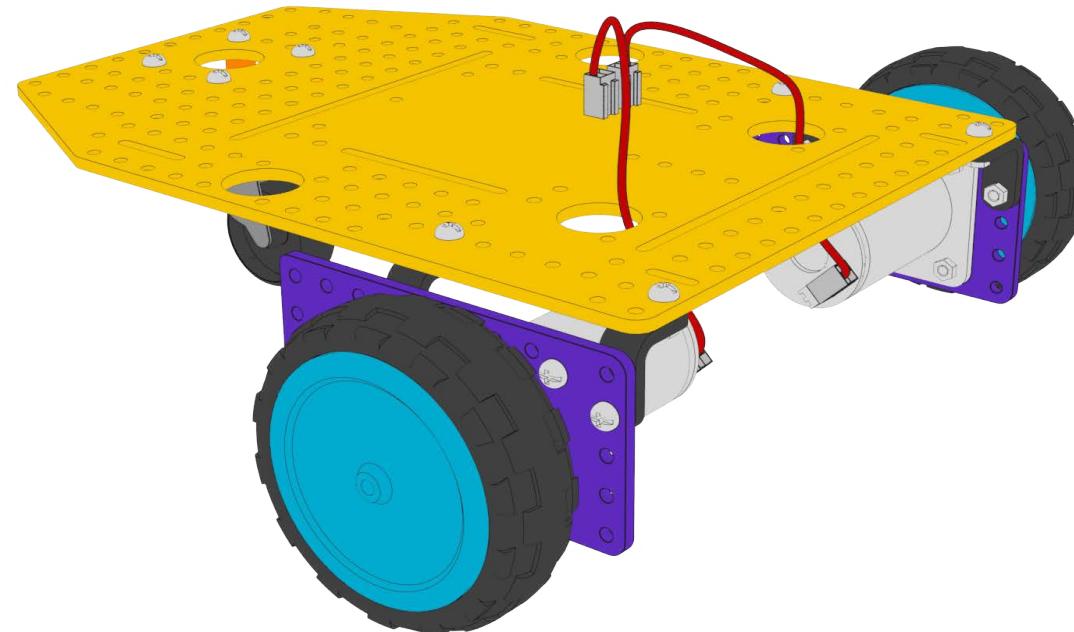
Unir armados de PASO 1 + 2

- 2 Cable de motor 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



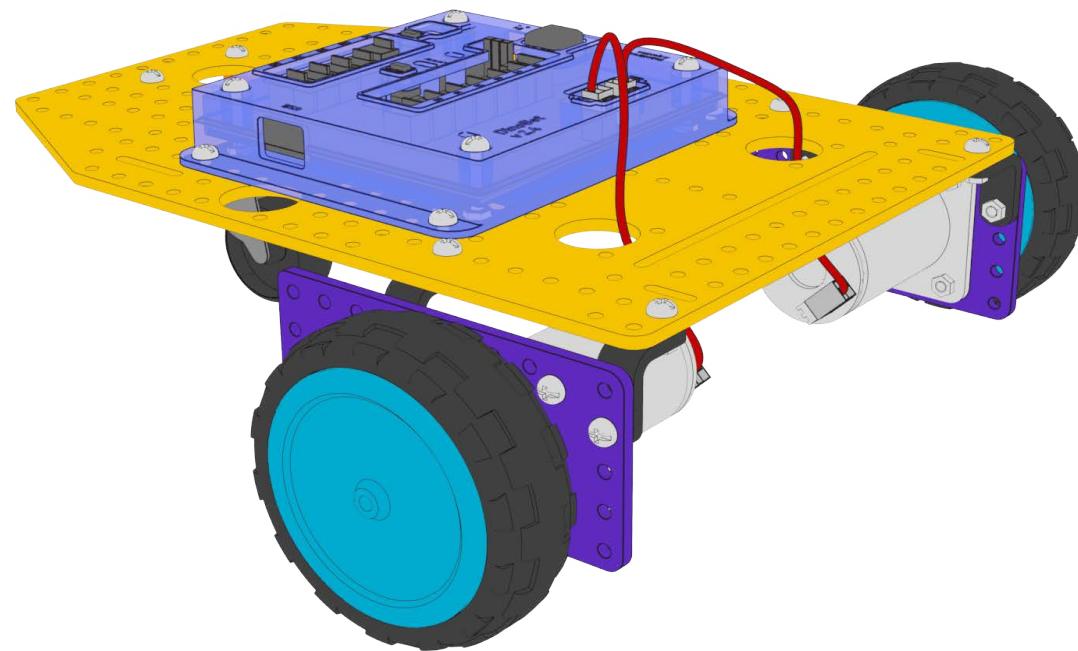
Paso 4

2 Rueda



Paso 5

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 



Paso 6

1 Portapilas



4 Pilas



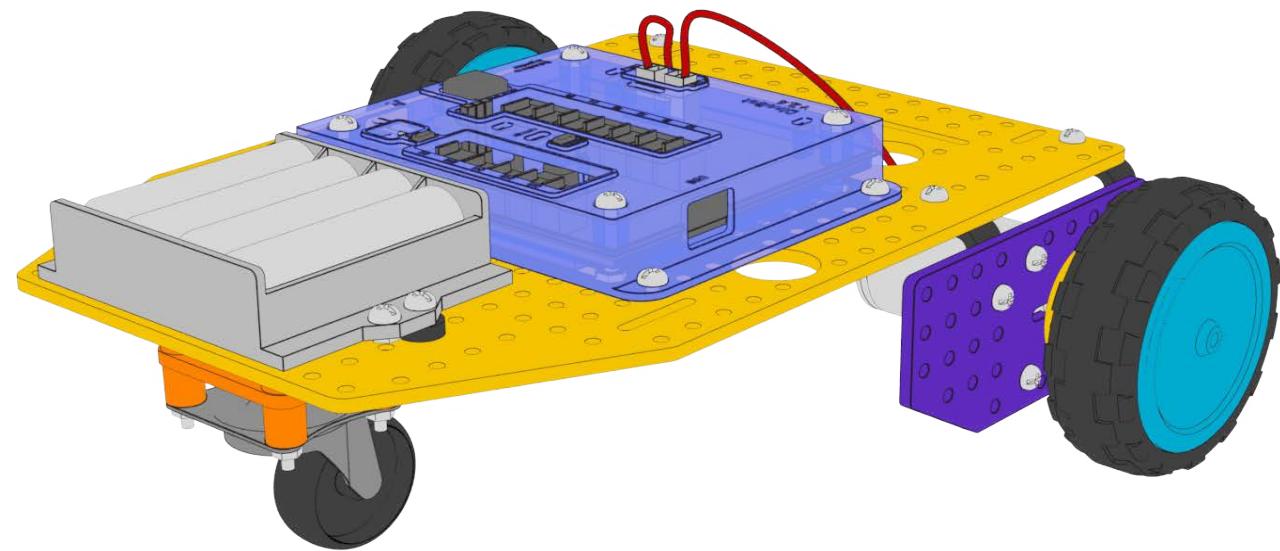
2 Tornillo 12 mm



2 Tuerca hexagonal

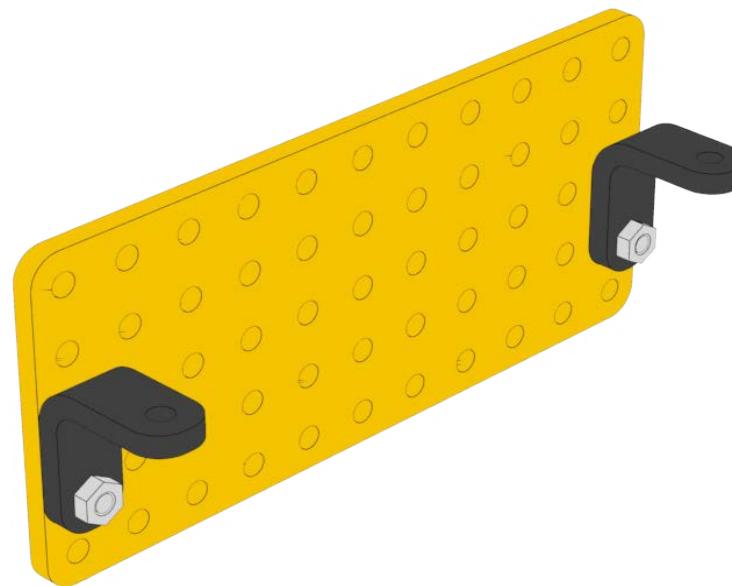


2 Separadores de goma
3mm



Paso 7

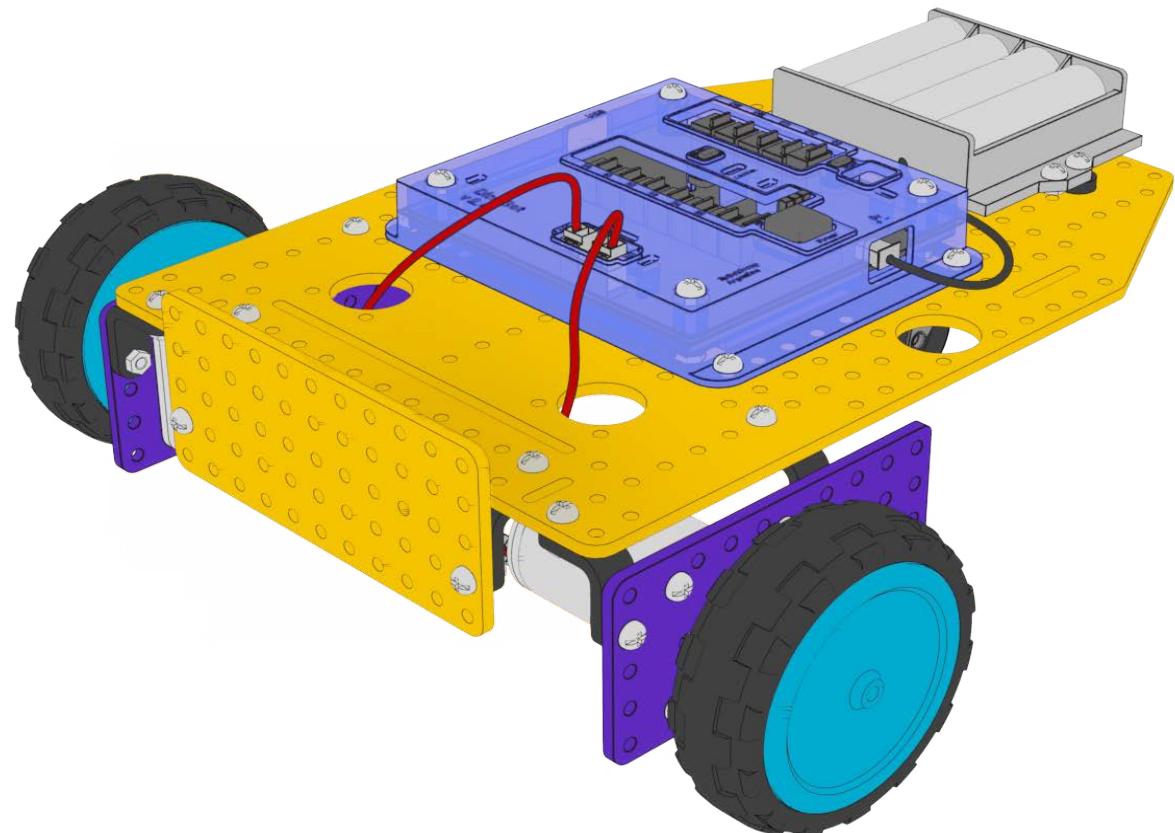
- 1 Plancha 11x5
- 2 L
- 2 Tornillo 8 mm
- 2 Tuerca hexagonal



Paso 8

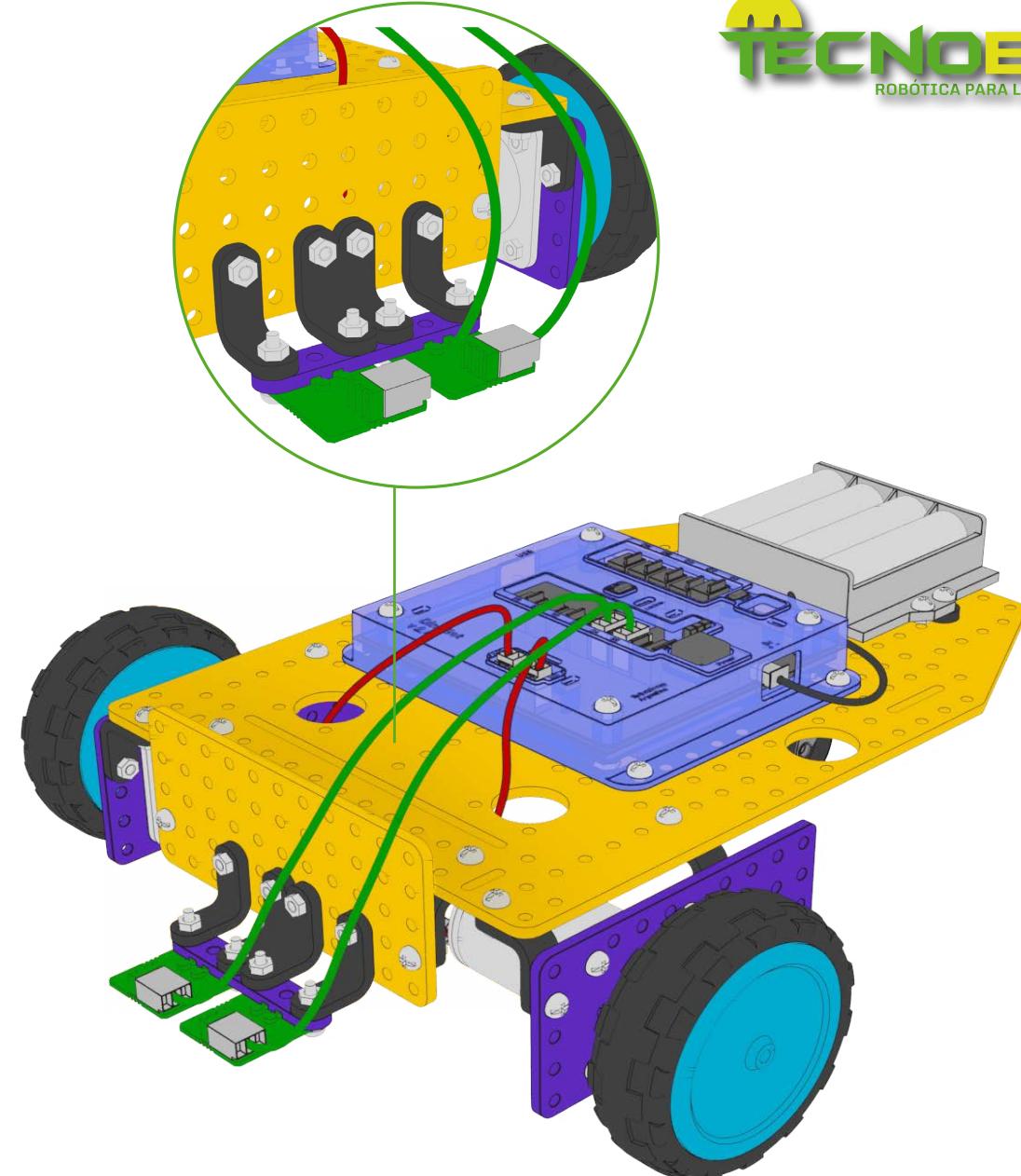
Unir armados de PASO 6 + 7

- 2 Tornillo 8 mm 
- 2 Tuerca hexagonal 

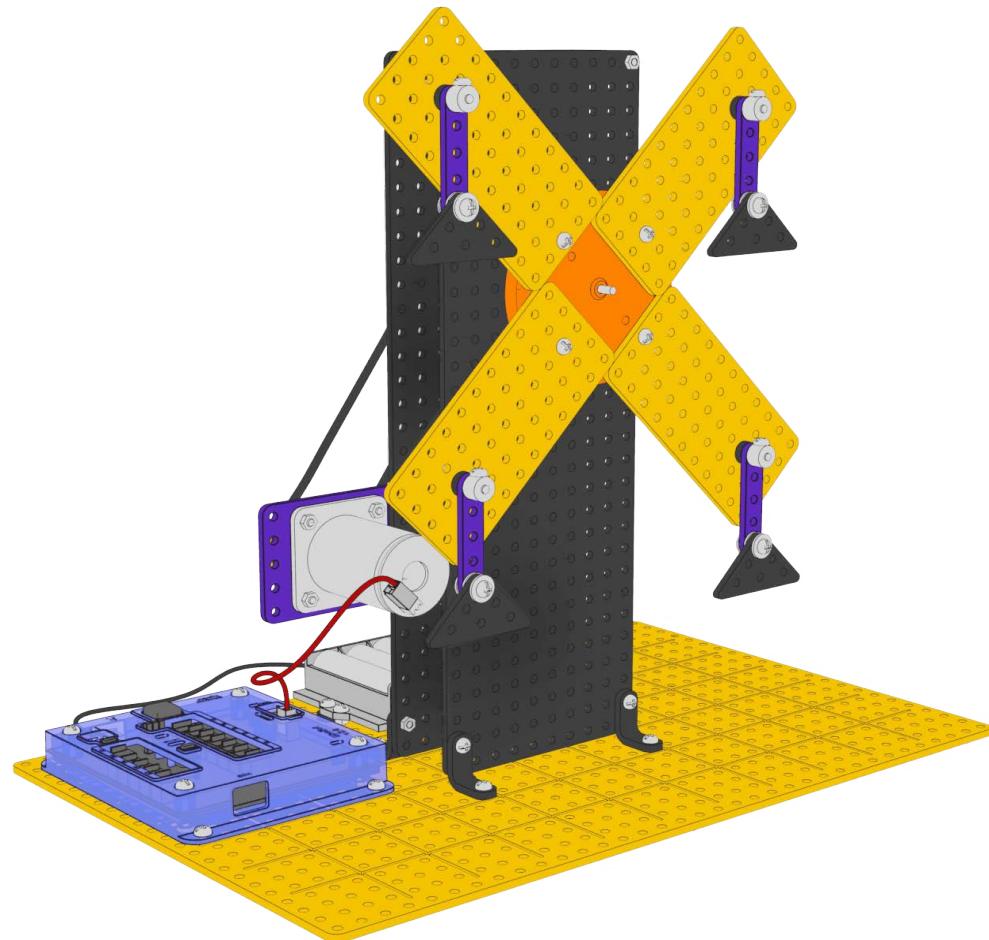


Paso 9

- 2 Sensor IR - CNY70 (infrarrojo) 
- 2 Cable de sensor 
- 1 Languero 6 
- 4 L 
- 4 Tornillo 8 mm 
- 4 Tornillo 12 mm 
- 8 Tuerca hexagonal 

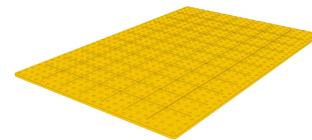


Secuencia de armado de “vuelta al mundo”



Paso 1

1 Plancha 35x23



2 Plancha 30x10



6 Separadores de goma
9mm



2 Tornillo 35 mm



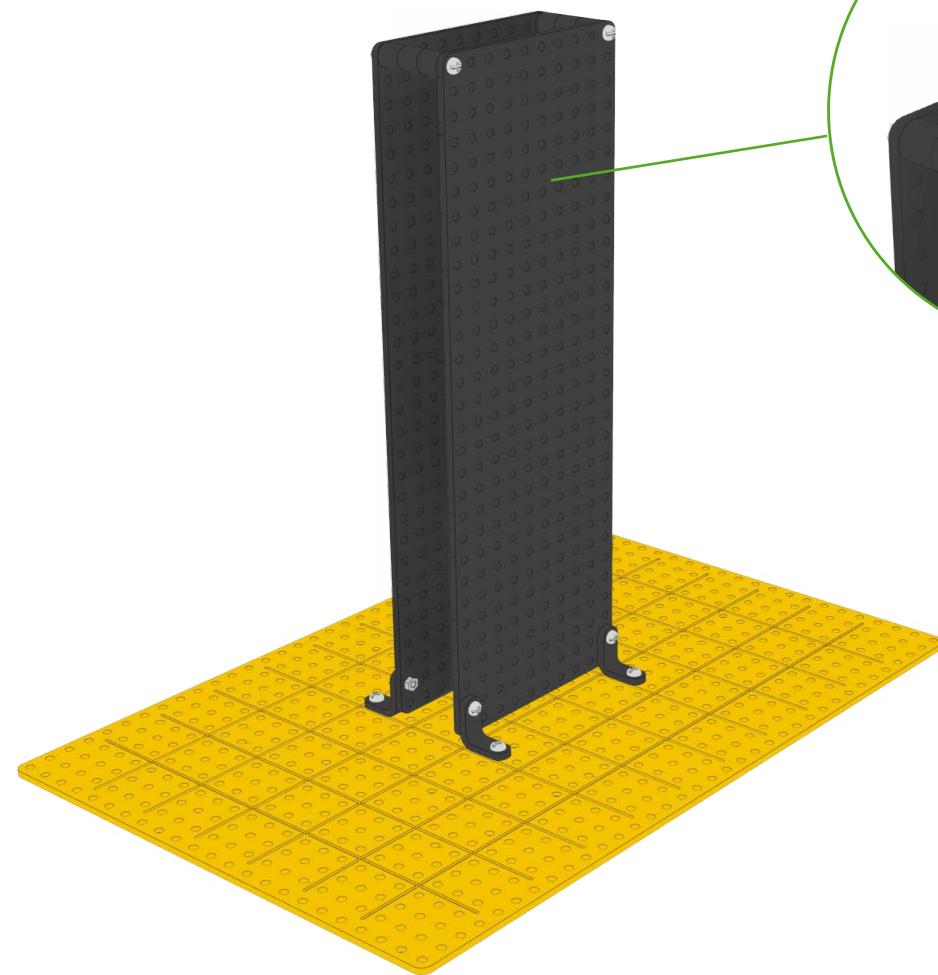
4 L



8 Tornillo 8 mm

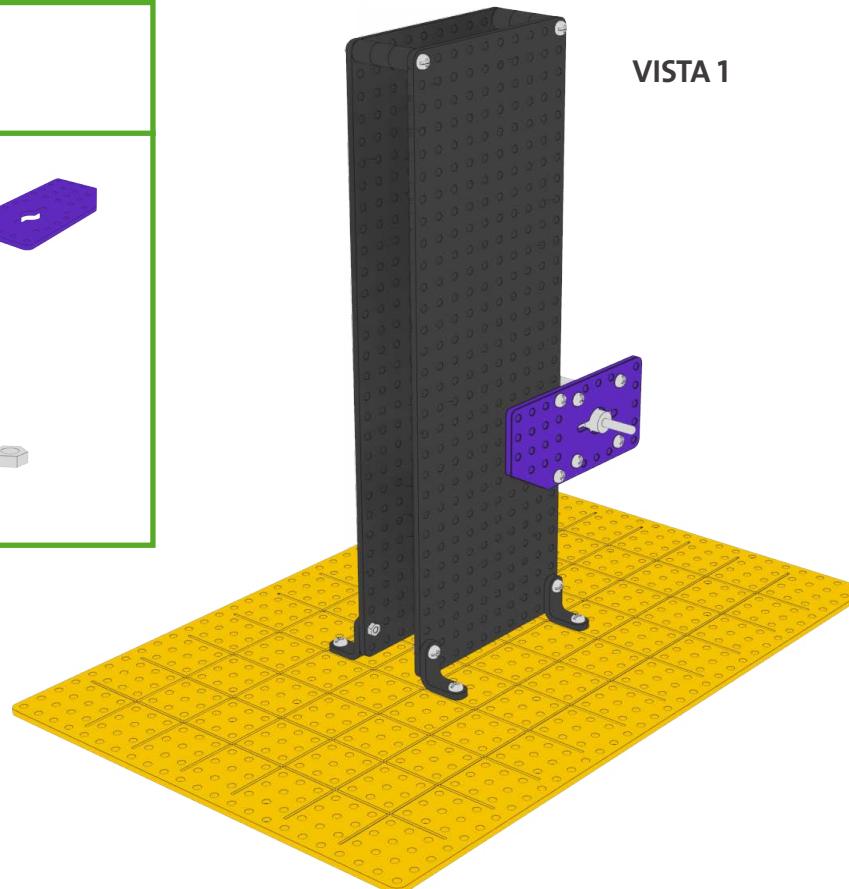


10 Tuerca hexagonal

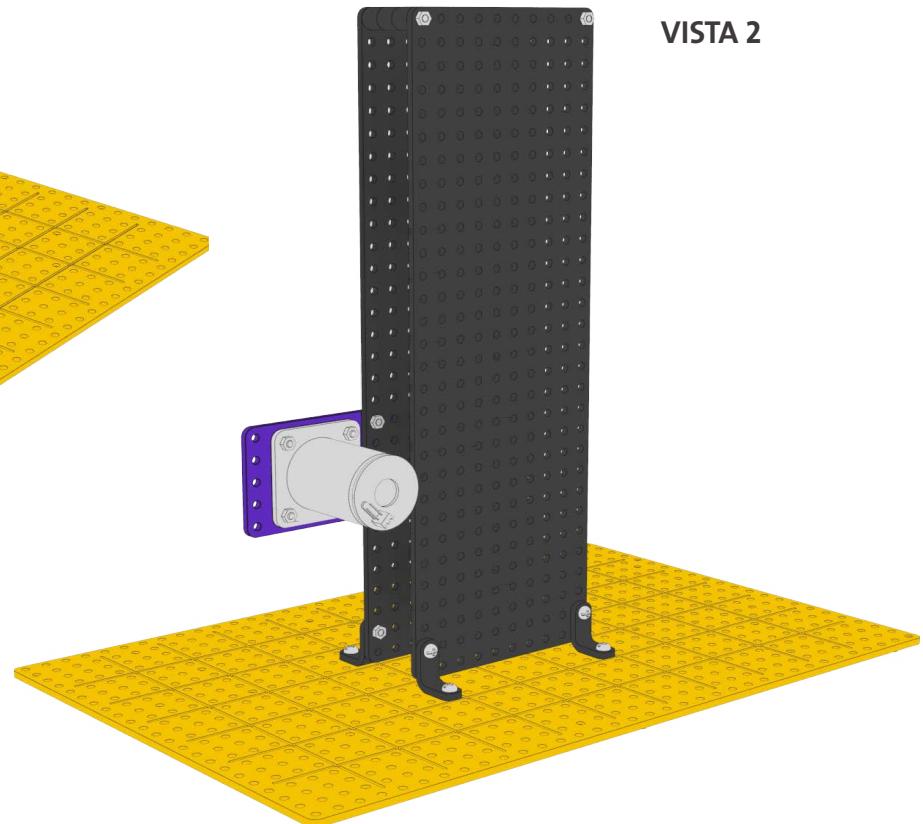


Paso 2

- 1 Soporte de motor 
- 1 Motor 
- 6 Tornillo 8 mm 
- 6 Tuerca hexagonal 



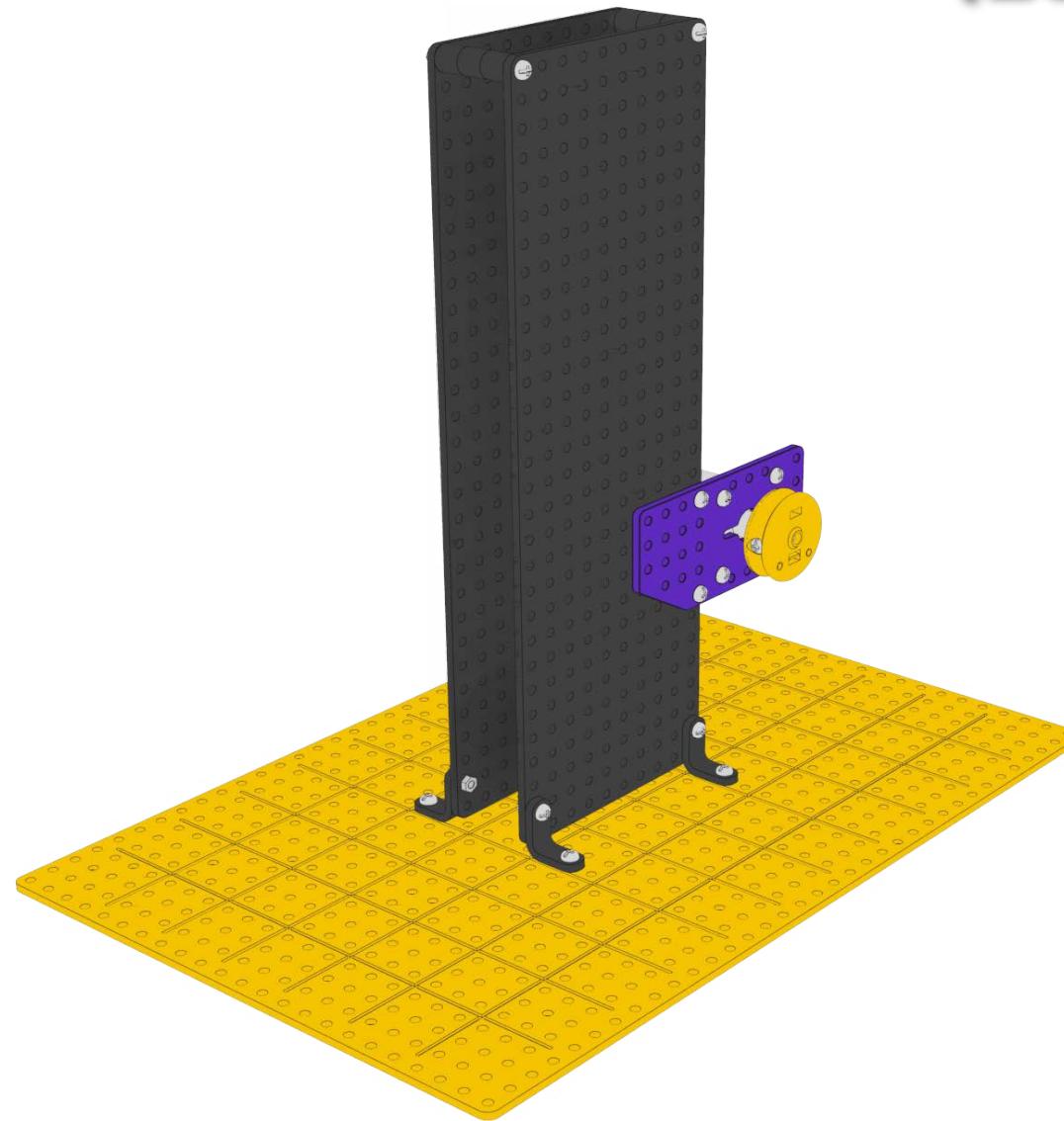
VISTA 1



VISTA 2

Paso 3

1 Polea chica amarilla



Paso 4

4 Plancha 11x5



1 Polea grande naranja



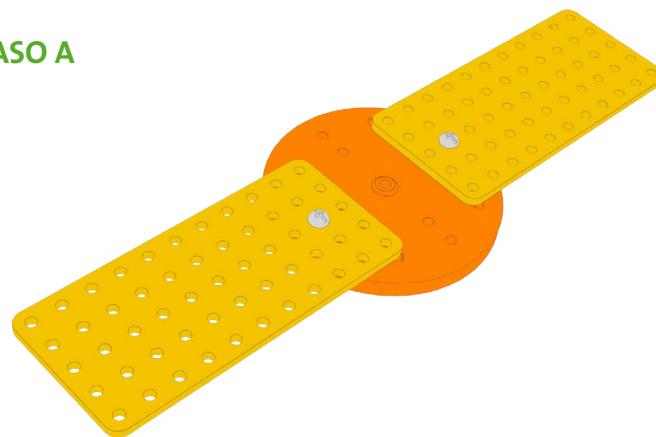
4 Tornillo 16 mm



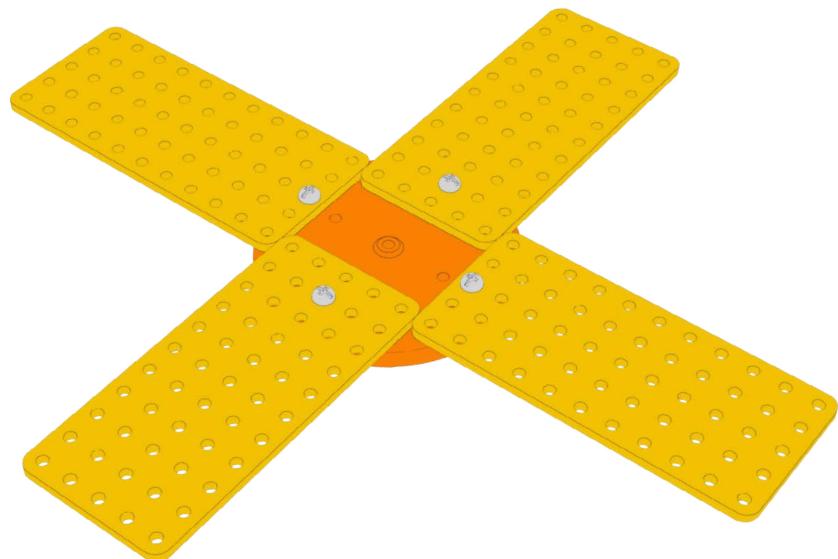
4 Tuerca hexagonal



PASO A



PASO B

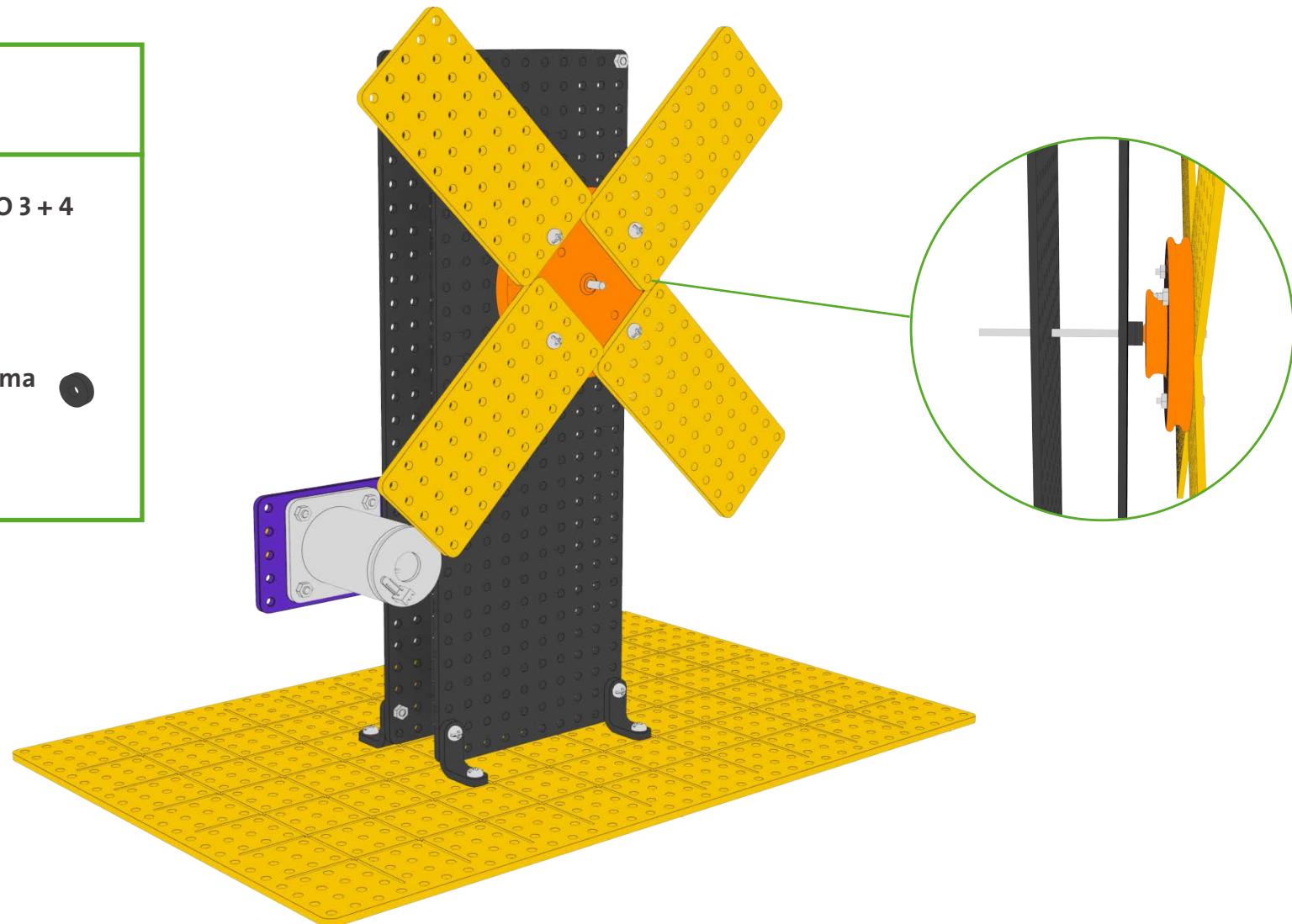


Paso 5

Unir armados de PASO 3 + 4

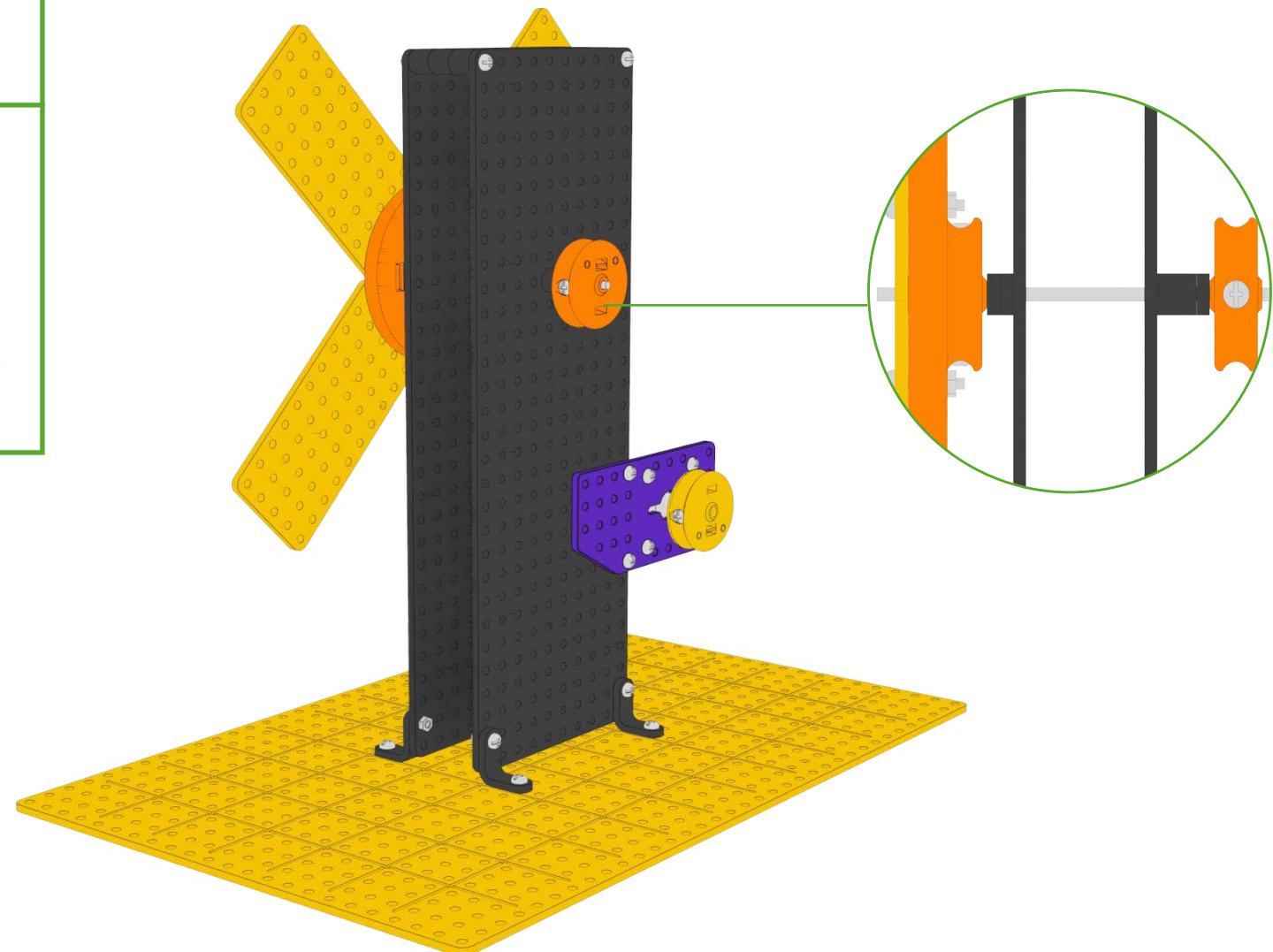
1 Eje 9

2 Separadores de goma
3mm



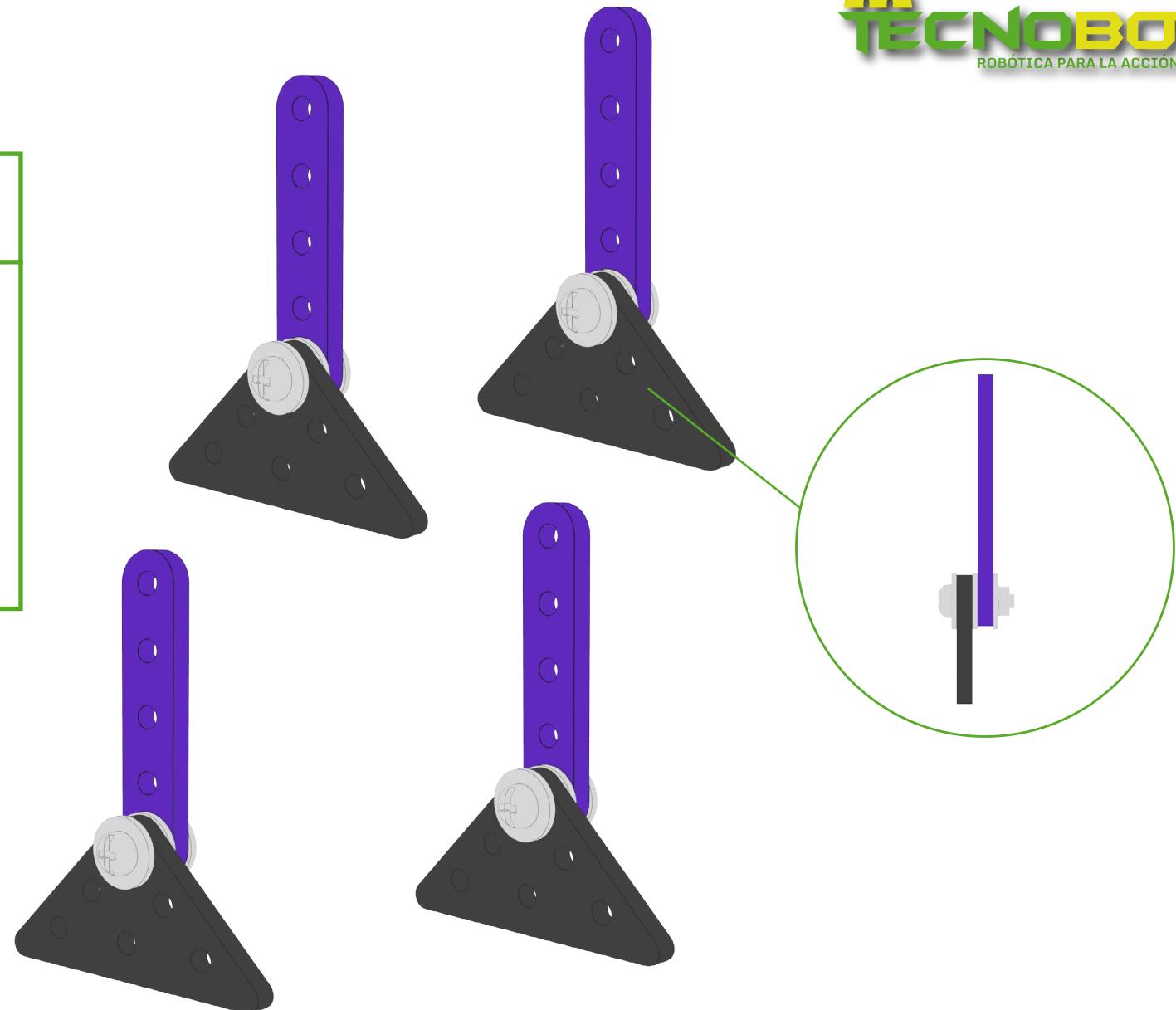
Paso 6

- 1 Separadores de goma
3mm
- 1 Separadores de goma
9mm
- 1 Polea chica naranja



Paso 7

- 4 Triángulo 
- 4 Larguero 5 
- 12 Arandela 
- 4 Tornillo 12 mm 
- 4 Tuerca hexagonal 



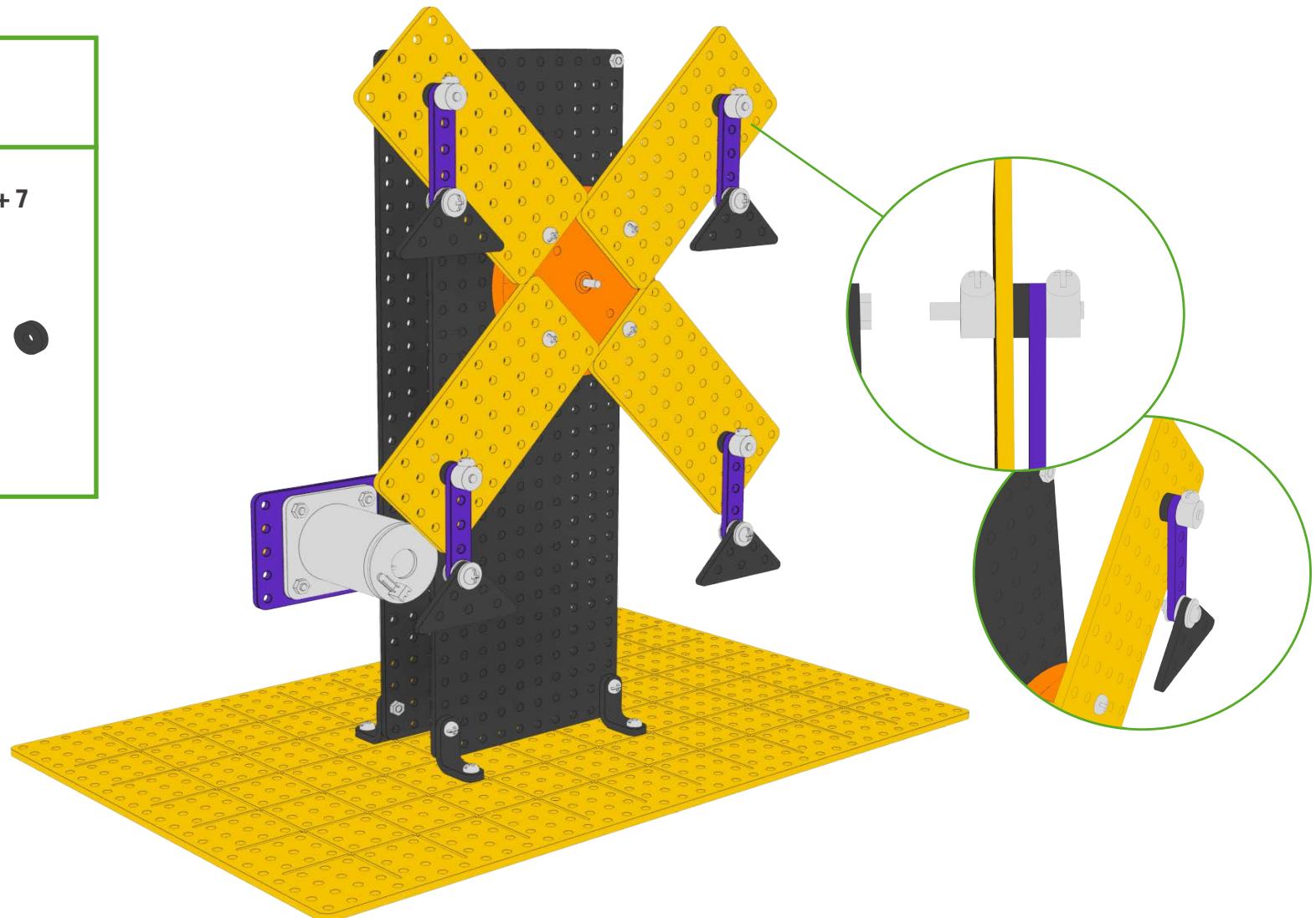
Paso 8

Unir armados de PASO 6 + 7

4 Eje 2,7 

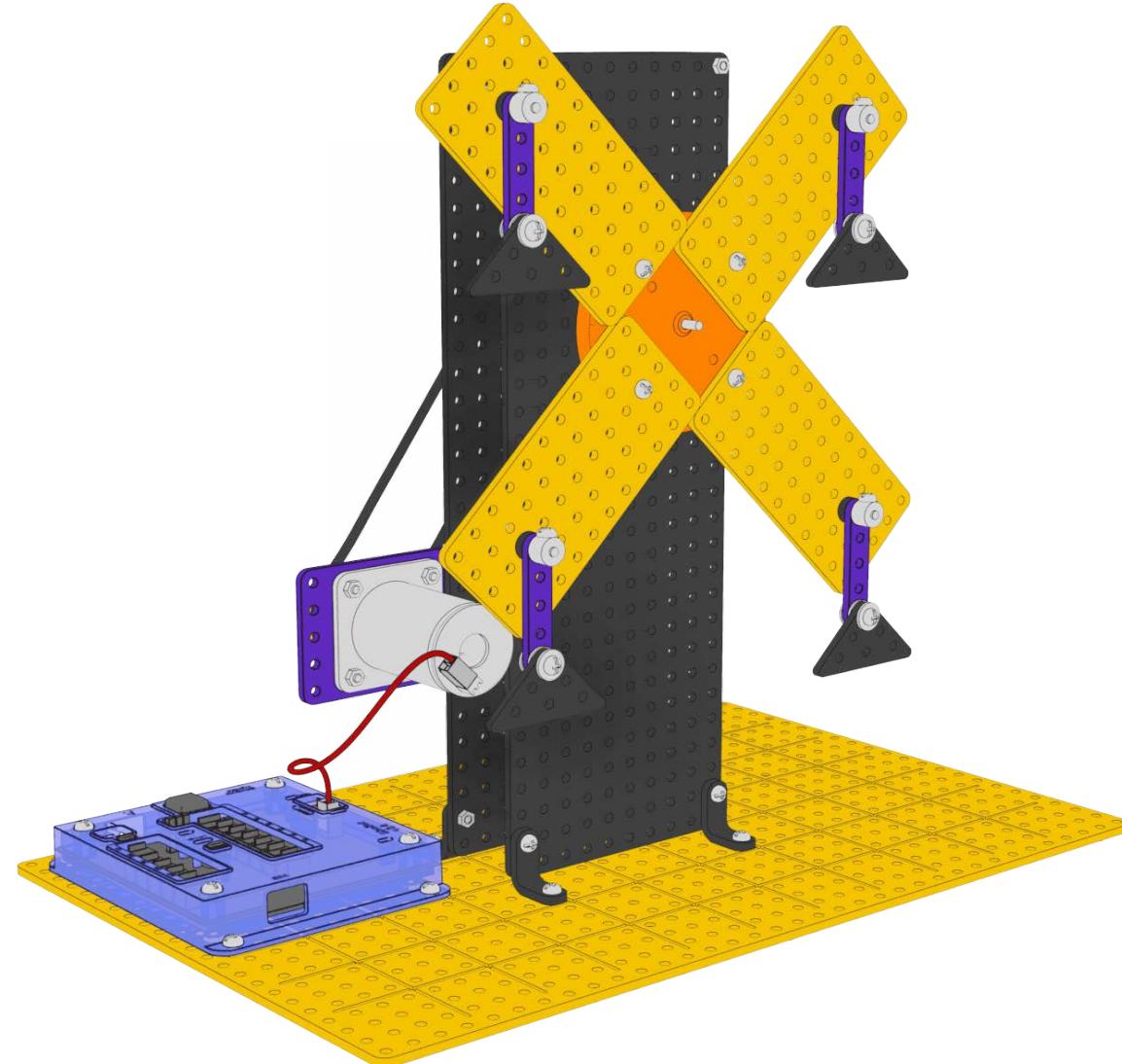
4 Separadores de goma
3mm 

8 Ajuste de eje 



Paso 9

- 1 Placa 
- 4 Tornillo 8 mm 
- 4 Tuerca hexagonal 
- 1 Cable de motor 



Paso 10

- 1 Portapilas 
- 4 Pilas 
- 2 Tornillo 12 mm 
- 2 Tuerca hexagonal 
- 2 Separadores de goma 3mm 

