

MAKE X

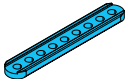
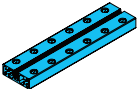

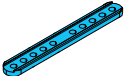
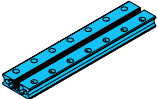
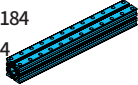
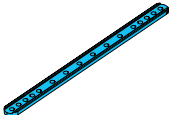
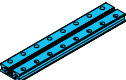
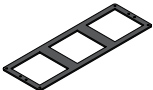
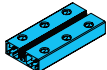
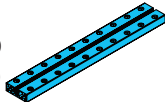
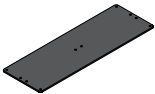
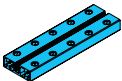
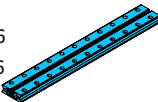
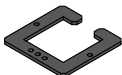
Starter

Signal Rise Arena Assembly Instructions

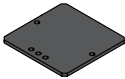

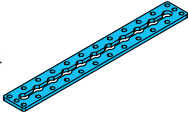



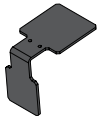


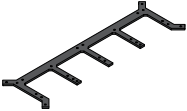
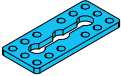
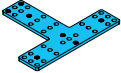

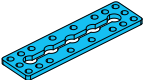

信号启源场地搭建步骤图











List of items 物料清单

Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号
20× Beam - 076 单孔梁 - 076 	P01	5× Slide beam - 096 滑轨双孔梁 - 096 	P06	4× Slide beam - 256 滑轨双孔梁 - 256 	P11
2× Beam - 092 单孔梁 - 092 	P02	4× Slide beam - 112 滑轨双孔梁 - 112 	P07	2× Square beam 2424 - 184 滑轨方形梁 2424 - 184 	P12
2× Beam - 188 单孔梁 - 188 	P03	4× Slide beam - 128 滑轨双孔梁 - 128 	P08	3× Board A01 板 A01 	P13
8× Slide beam - 048 滑轨双孔梁 - 048 	P04	4× Slide beam - 160 滑轨双孔梁 - 160 	P09	3× Board A02 板 A02 	P14
2× Slide beam - 080 滑轨双孔梁 - 080 	P05	5× Slide beam - 176 滑轨双孔梁 - 176 	P10	2× Board C01 板 C01 	P15





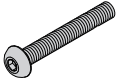










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2× Board C02 板 C02	 P16	4× X-shaped board B X型板 B	 P21	2× Plate - 184 连接片 - 184	 P26
2× Board E01 板 E01	 P17	2× Red board 红色板	 P22	2× Round plate 圆盘片	 P27
4× L-shaped board L型板	 P18	2× Blue board 蓝色板	 P23	4× Connection block 连接块	 P28
1× Board D01 板 D01	 P19	2× Plate - 056 连接片 - 056	 P24	2× T-shaped plate T型片	 P29
2× Board B01 板 B01	 P20	2× Plate - 088 连接片 - 088	 P25	2× Rudder bracket 舵盘支架	 P30




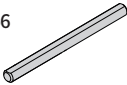






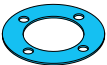




List of items 物料清单

Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号
2× U-shaped bracket U型支架 	P31	8× Flat beam 1160 扁铝 1160 	P36	2× Flat beam cover 扁铝盖板 	P41
2× Flat beam bracket 扁铝支架 	P32	2× Flat beam 980 扁铝 980 	P37	70× Magnetic stud M4 M4外螺纹磁柱 	P42
4× Servo bracket 舵机支架 	P33	2× I-shaped lock I型卡锁 	P38	70× Magnetic disc 圆磁片 	P43
4× Fixing plate 固定片 	P34	2× T-shaped lock T型卡锁 	P39	8× Shaft connector 传动固定盘 	P44
4× Slider 导轨滑块 	P35	4× L-shaped lock L型卡锁 	P40	70× Round magnetic plate 圆形引磁片 	P45

List of items 物料清单

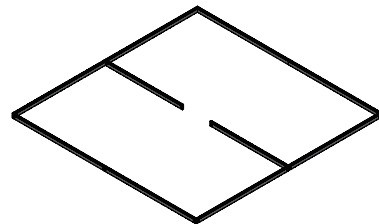
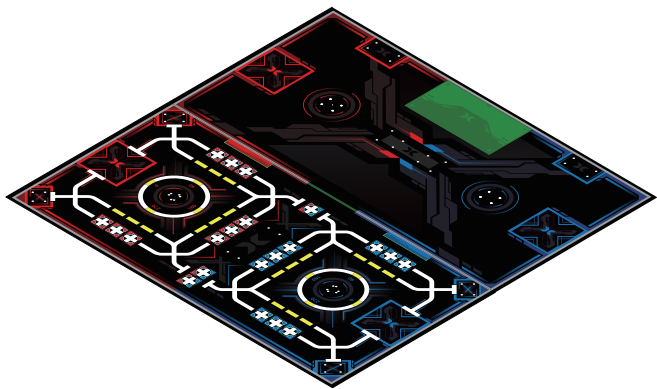
Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号
100× Hex nut M4 M4 螺母 	P46	15× Screw M4*22 螺丝 M4*22 	P51	8× Rubber-coated bearing 包胶轴承 	P56
50× Hex locknut M4 M4 防松螺母 	P47	15× Screw M4*30 螺丝 M4*30 	P52	12× Flange bearing 法兰轴承 	P57
150× Screw M4*8 螺丝 M4*8 	P48	30× Headless screw M3*5 无头螺丝 M3*5 	P53	6× Aluminum Sleeve 4*6*4mm 铝套 4*6*4mm 	P58
30× Screw M4*10 螺丝 M4*10 	P49	12× Shaft collar 轴套 	P54	2× Rolling wheel 滚动轮 	P59
50× Screw M4*14 螺丝 M4*14 	P50	16× Roller 滚轮 	P55	12× Hex stud M4*32 双通六角螺栓 M4*32 	P60

List of items 物料清单

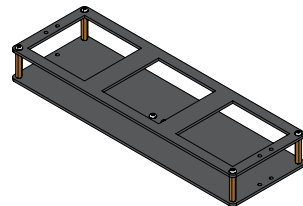
Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号
2× L-shaped bracket L型支架 	P61	20× Plastic pillar M4*7*10 垫柱 M4*7*10 	P66	2× Belt 同步带 	P71
4× D-shaped shaft 4*56 D型轴 4*56 	P62	16× Plastic pillar M4*7*14 垫柱 M4*7*14 	P67	1× Hex key 1.5 mm L型扳手 1.5 mm 	P72
2× Shaft 4*88 光轴 4*88 	P63	10× Plastic ring M4*8*1 垫片 M4*8*1 	P68	1× Screwdriver hex 2.5 mm & cross 螺丝刀 2.5mm 转十字 	P73
1× Shaft 4*400 光轴 4*400 	P64	4× Timing pulley plate 同步轮片 	P69	1× Wrench 双头扳手 	P74
10× Plastic rivet - R4120 R4120 铆钉 	P65	2× Timing pulley 同步轮 	P70	1× MAKE sticker MAKE 贴纸 	P75

List of items 物料清单

Parts and Quantities\零件及数量	Index\编号	Parts and Quantities\零件及数量	Index\编号
1× Label card 标签卡 	P76	1× Red cylinder with base 红色带底座圆柱体 	P82
3× Red cube 70 mm 红色方块 70 mm 	P77	1× Blue cylinder with base 蓝色带底座圆柱体 	P83
3× Blue cube 70 mm 蓝色方块 70 mm 	P78	2× Yellow cylinder 黄色圆柱体 	P84
12× Yellow cube 70 mm 黄色方块 70 mm 	P79	1× Double-sided fabric tape 双面布基胶带 	P85
3× Red ring 40*70*20 红色圆环 40*70*20 	P80	1× Map 地图 	P86
3× Blue ring 40*70*20 蓝色圆环 40*70*20 	P81	1. Some parts are spare ones. 2. Keep the spare parts properly. They may be used in hidden tasks. 1. 部分物料有冗余； 2. 冗余物料以及剩余未使用物料将用于隐藏任务, 请妥善保管。	

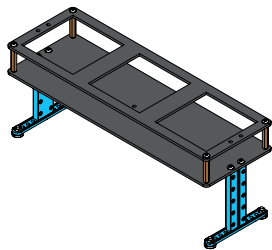


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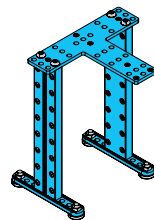
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S02



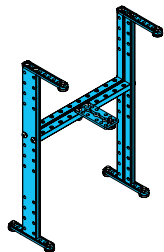
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S03



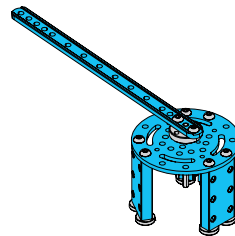
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S04



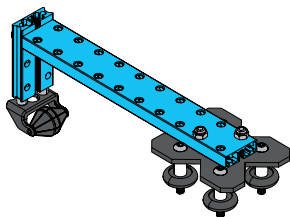
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S05



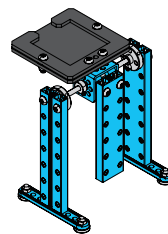
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S06



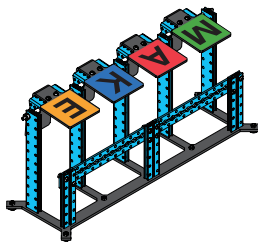
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S07



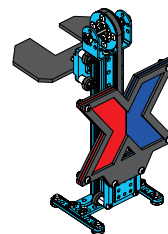
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S08





×1

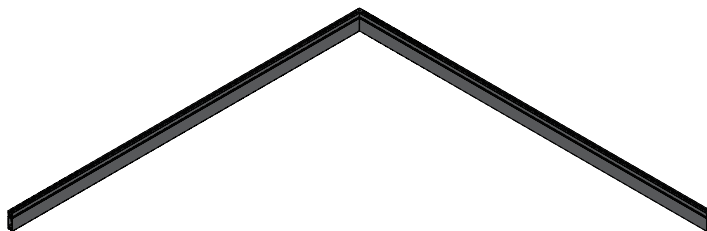
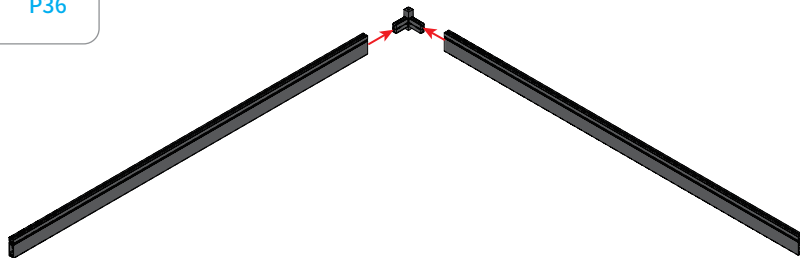
S09



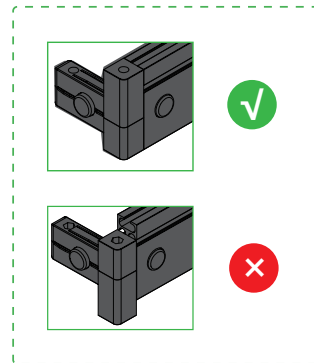
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Frame Assembly 边框搭建




- 1×  P40
- 2×  P36



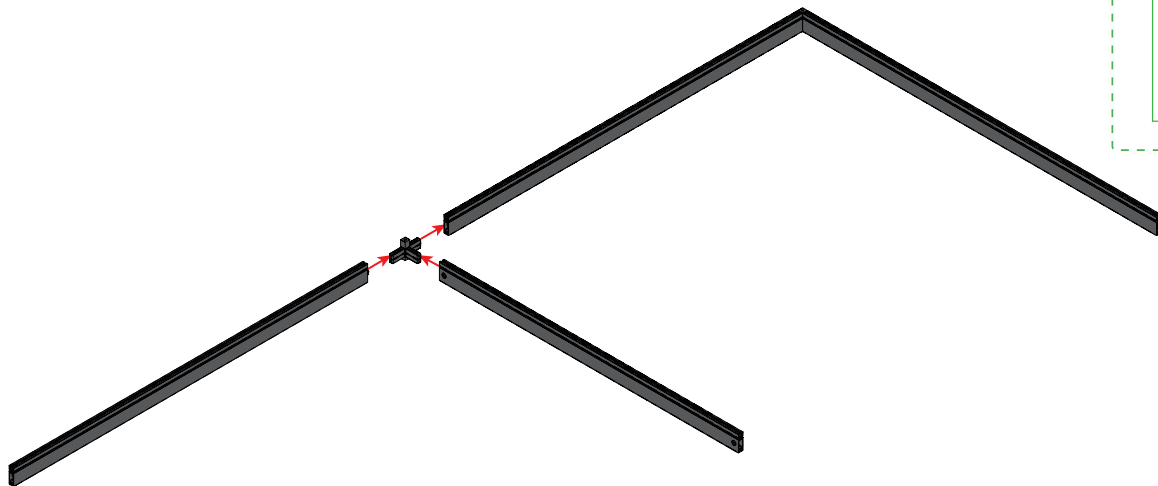
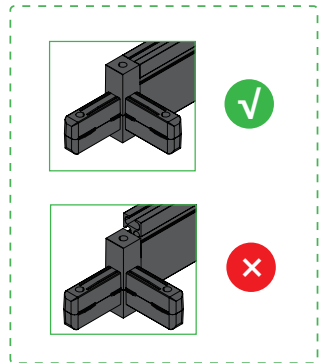
Install the L-shaped beam locks in the correct orientation.
注意 L 型卡锁的安装方向。

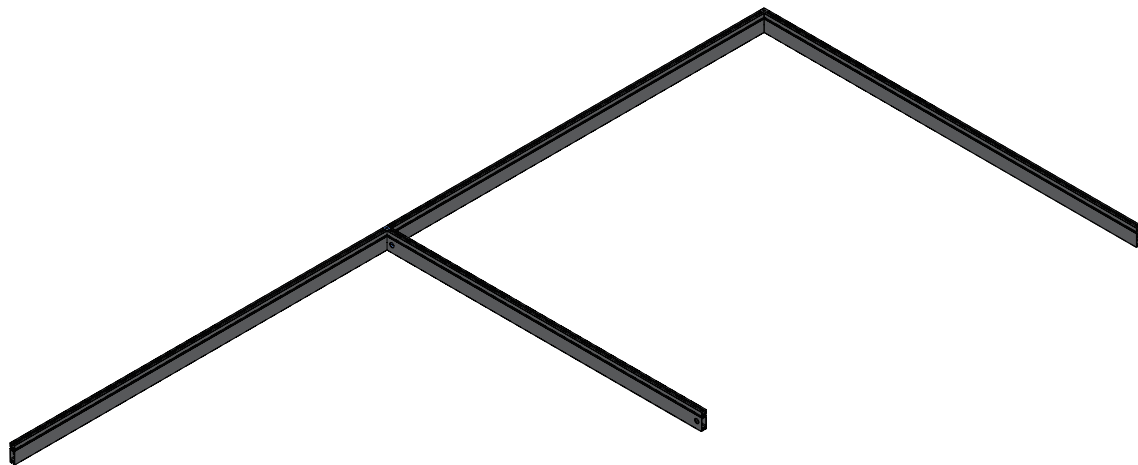


Frame Assembly 边框搭建

- 1×  P39
- 1×  P36
- 1×  P37

Install the T-shaped beam locks in the correct orientation.
注意 T 型卡锁的安装方向。



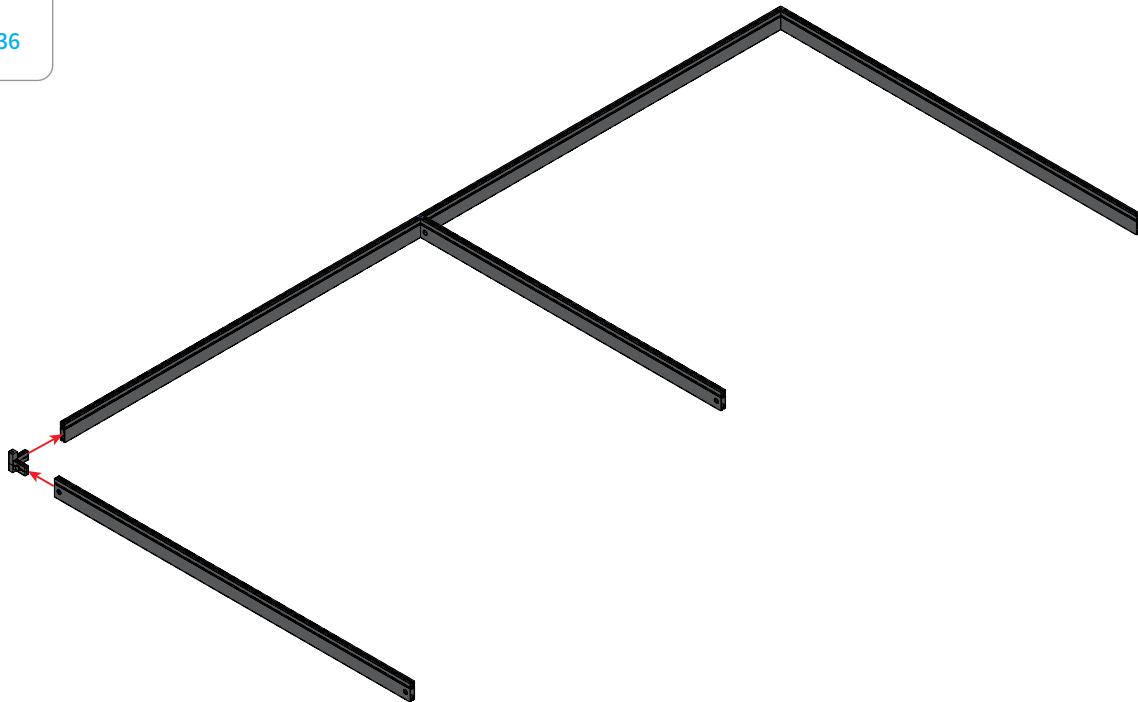


Frame Assembly 边框搭建

12

1×  P40

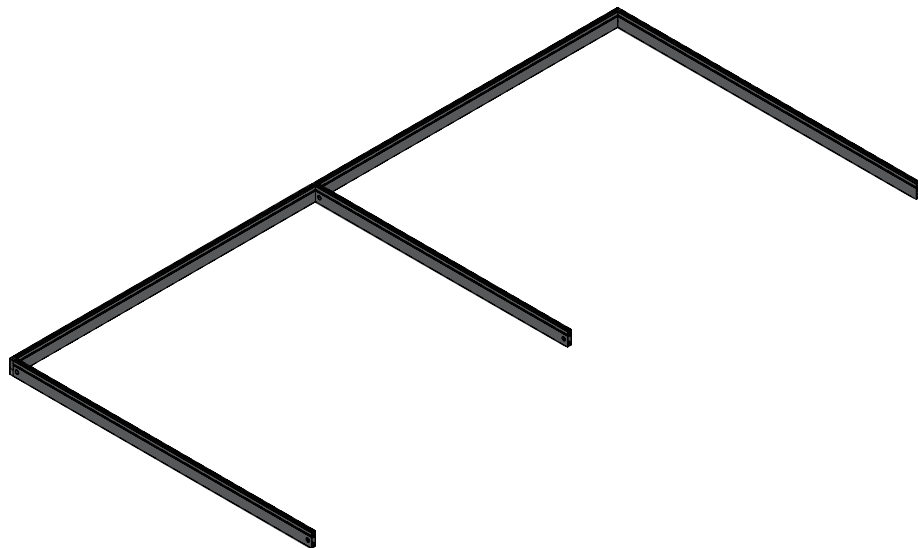
1×  P36



Frame Assembly 边框搭建

Assemble the other frame in the same way.

以同样的方法组装另一个同样的边框。

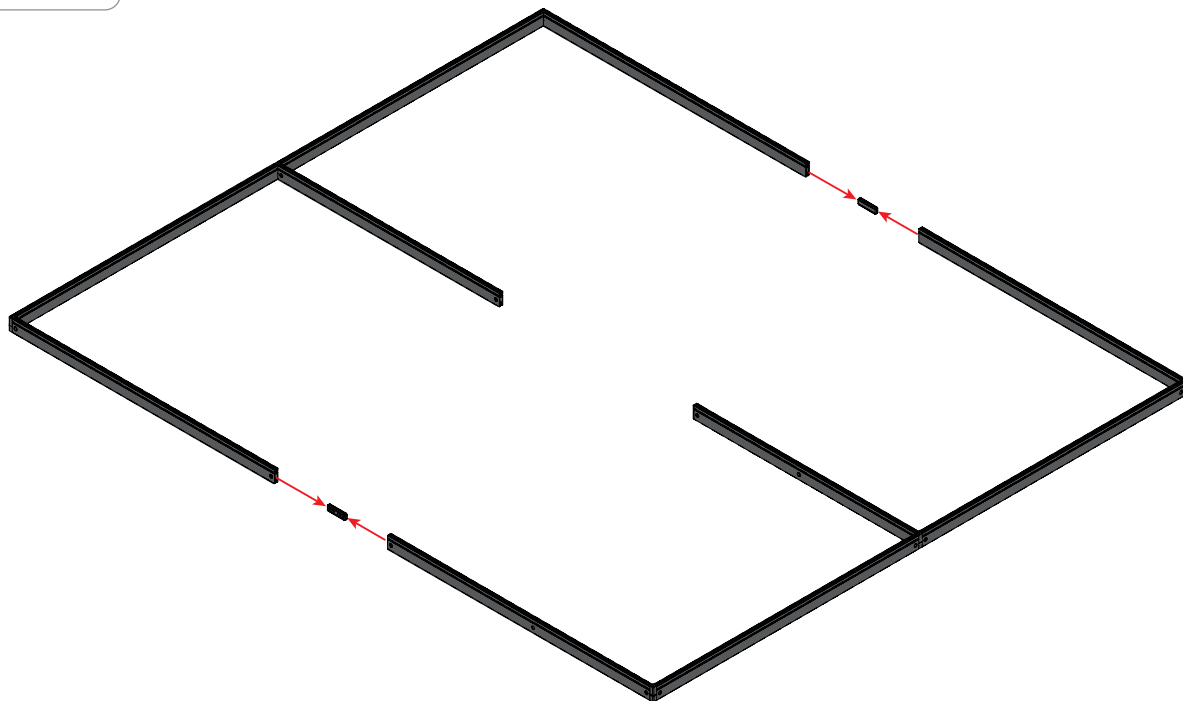


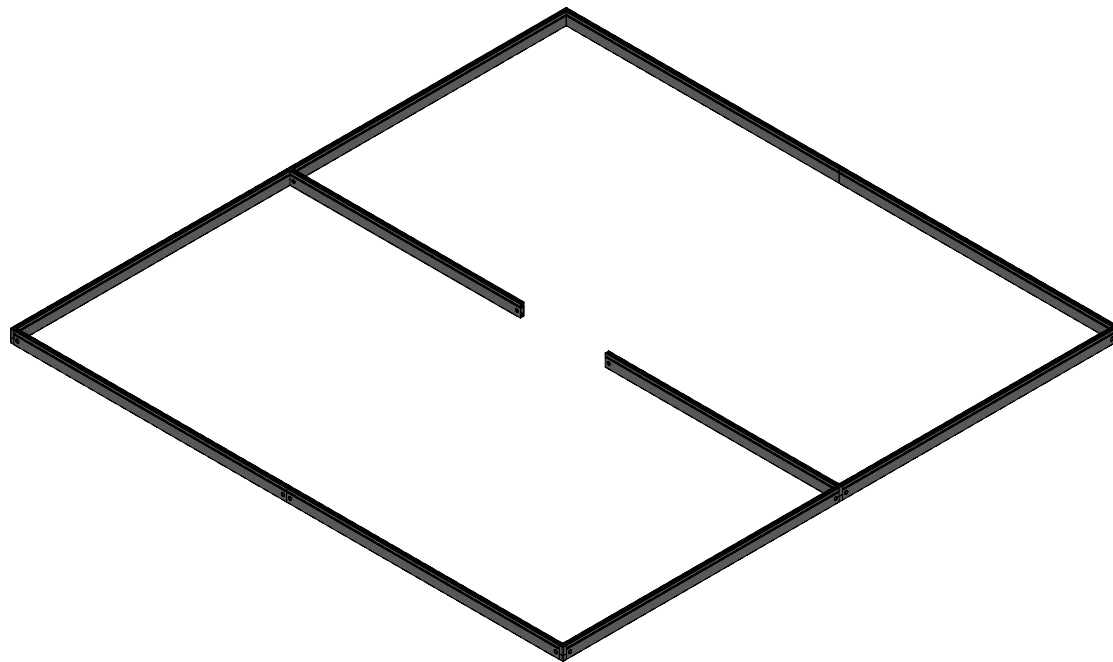
×2

2 ×



P38





Frame Assembly 边框搭建

16

1×



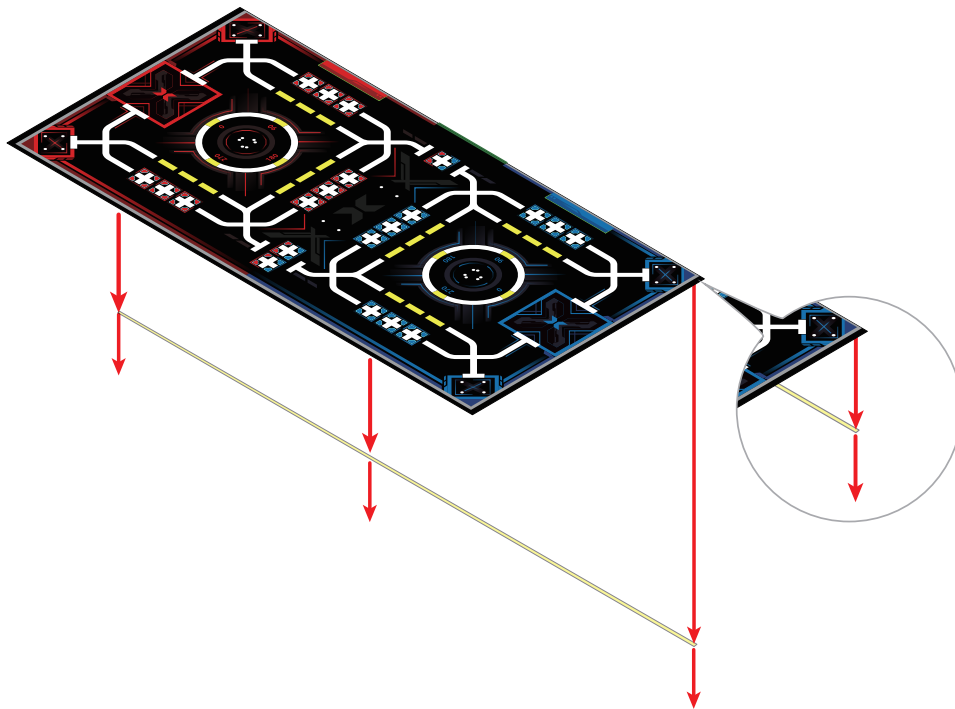
P86

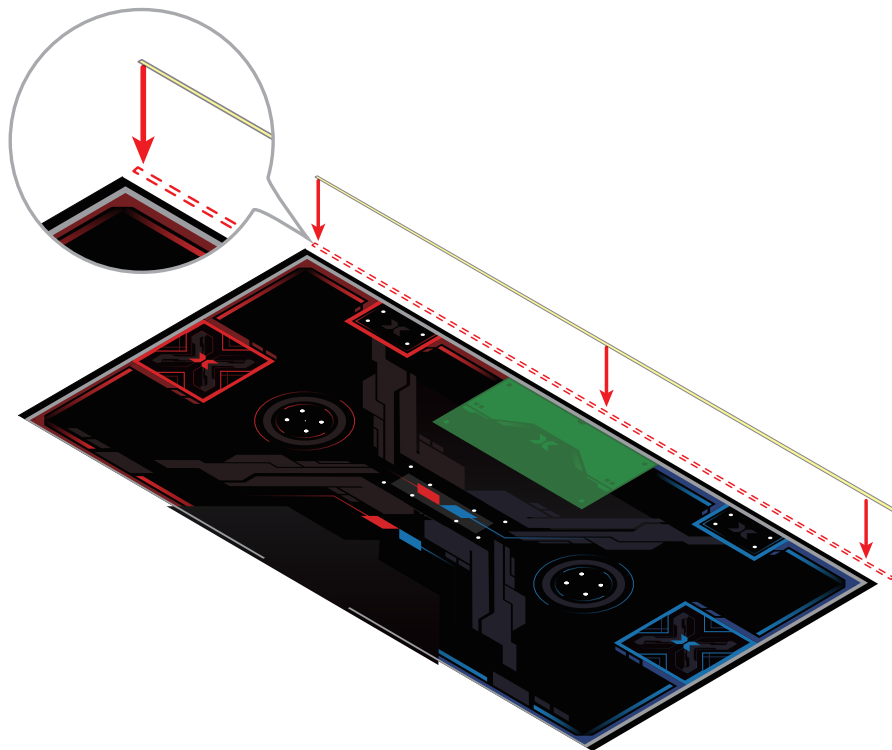
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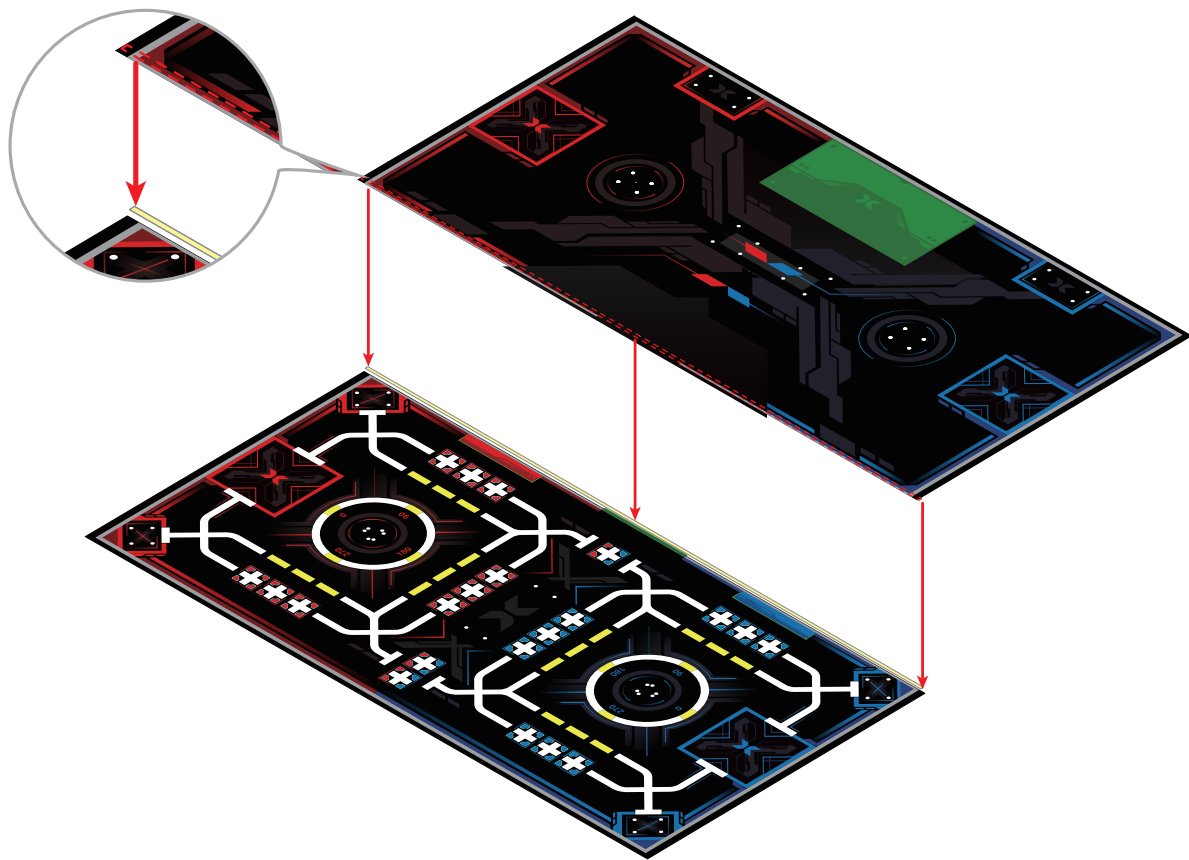


P85

Apply the fabric tape on the competition platform and then paste the map.
在赛台上贴上布基胶带, 然后贴上地图。



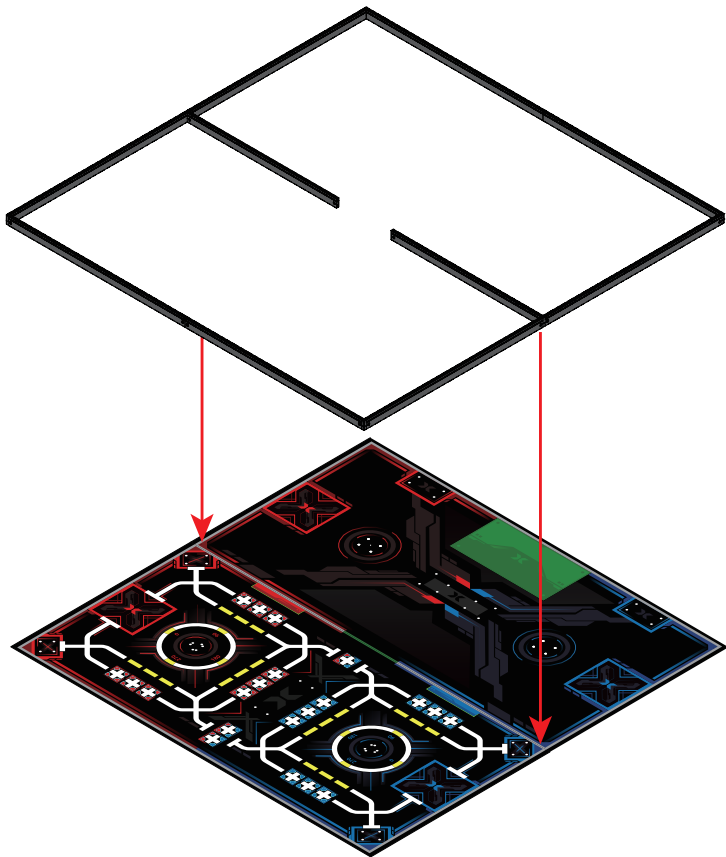


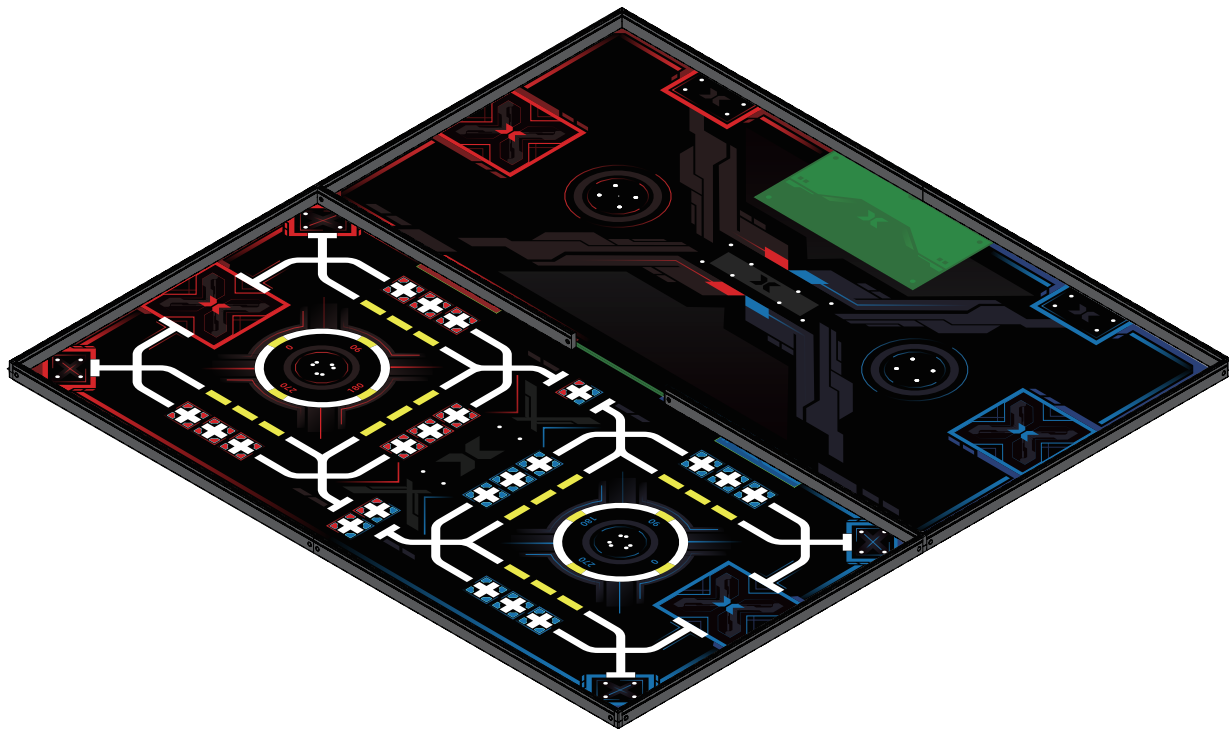





Frame Assembly 边框搭建

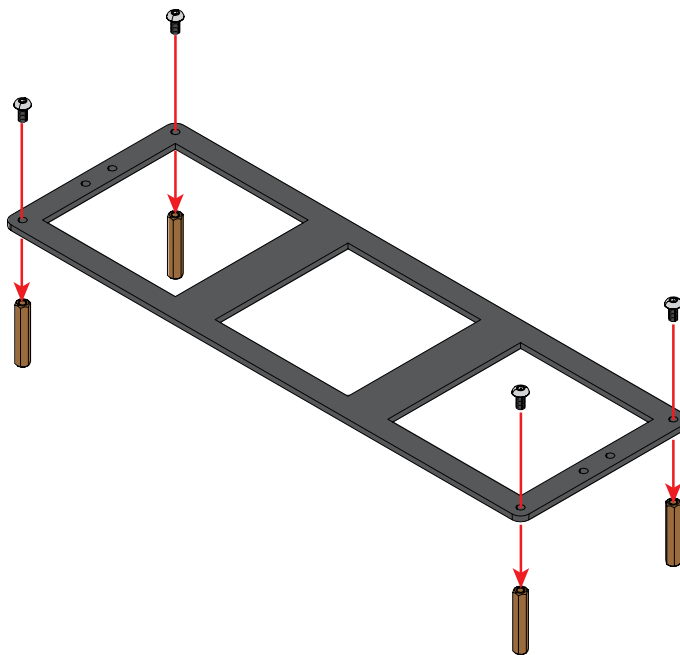
Depending on the actual arena requirements, you may choose to use fabric tape to secure the frame to the map surface.

可根据实际场地使用需求, 选择是否使用布基胶带将边框固定于地图表面。

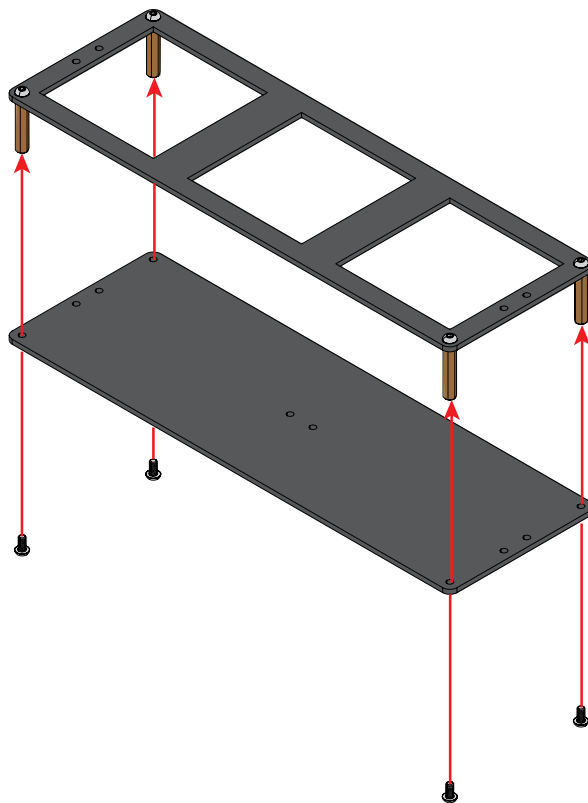
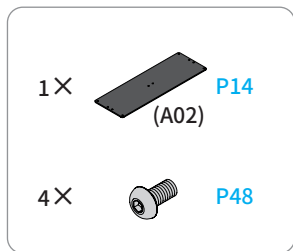




- 1 ×  P13 (A01)
- 4 ×  P48
- 4 ×  P60



S01 Assembly S01 搭建



1×

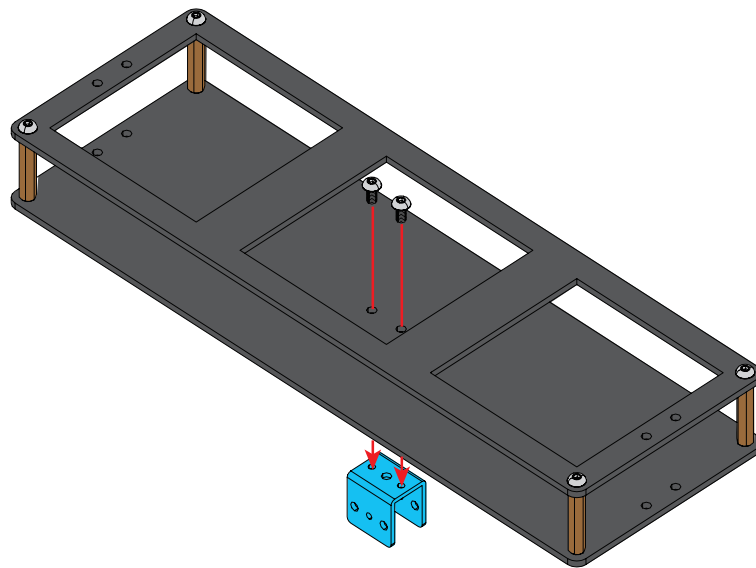


P32

2×



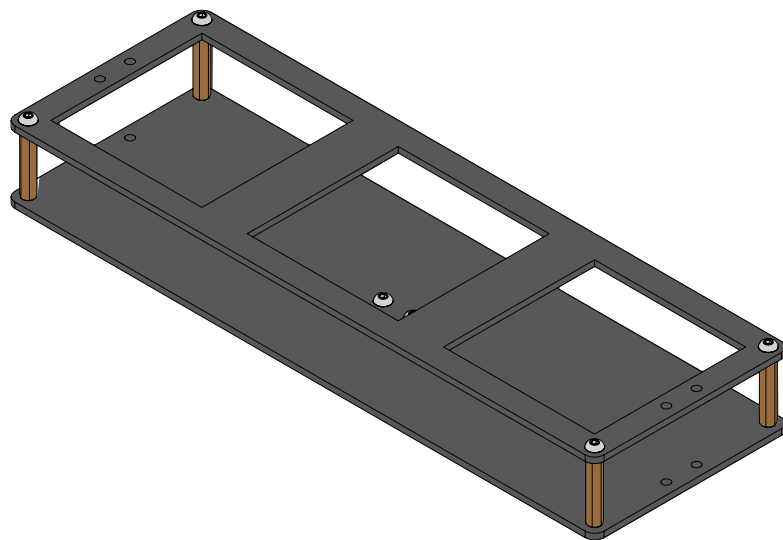
P48



S01 Assembly S01 搭建

Assemble the other structure in the same way.

以同样的方法组装另一个同样的结构体。



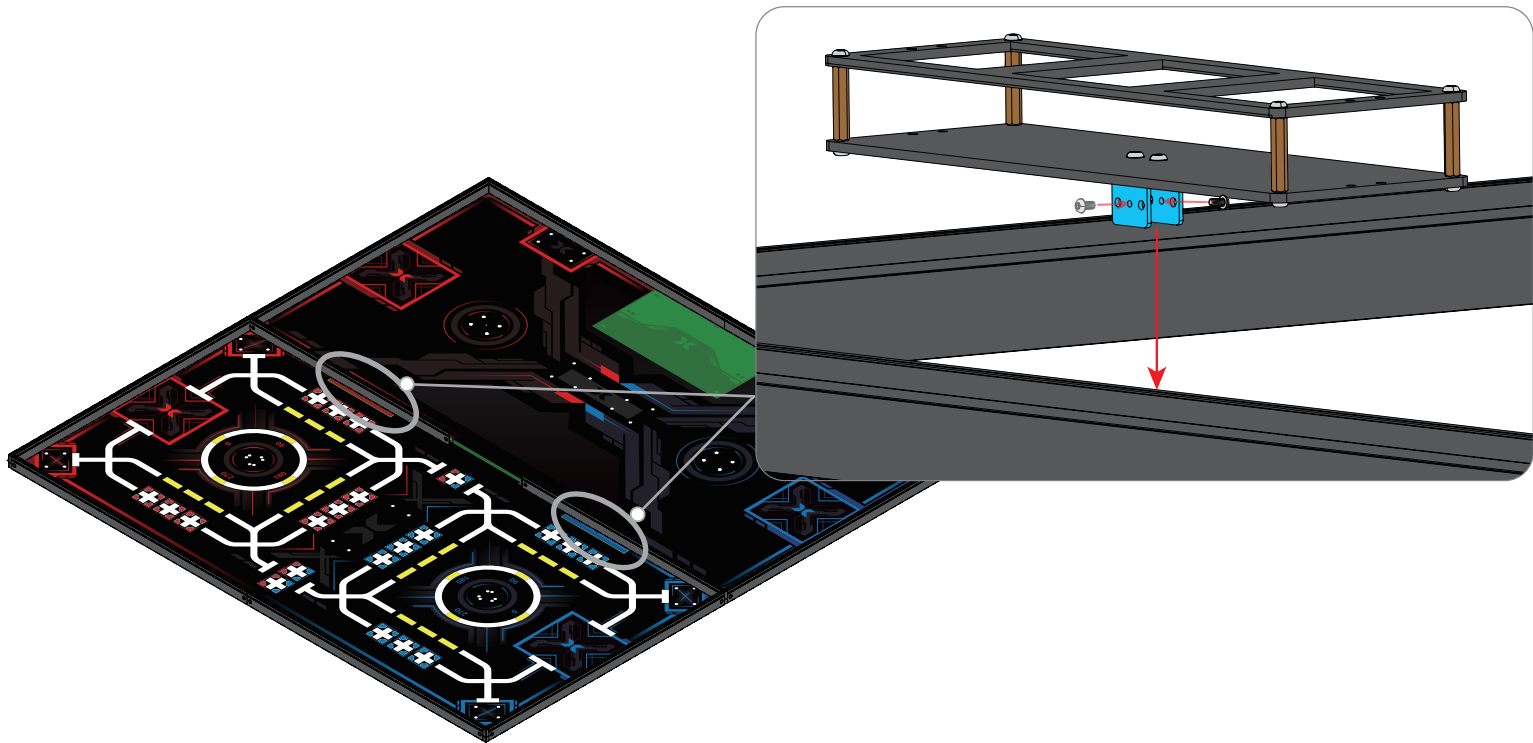
×2

S01 Assembly S01 搭建

25

Tighten S01 to the middle flat beams via screws. Fit another S01 on the other side in the same way.

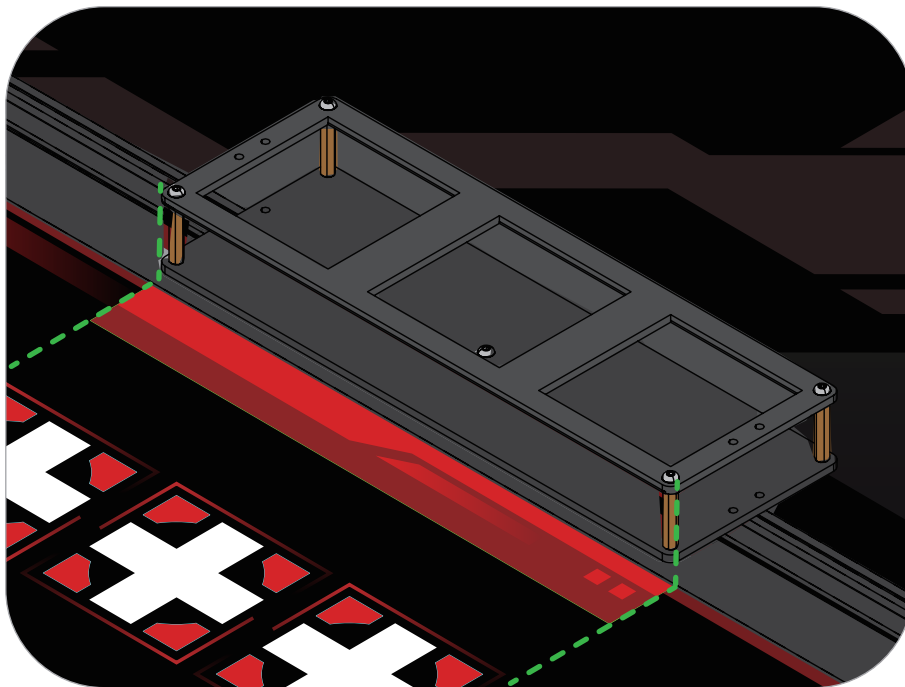
将 S01 通过螺丝锁紧到中间的扁铝上,以同样的方法安装另一侧扁铝。



S01 Assembly S01 搭建

Align them with the markings on the map.

注意安装在地图上对应的标记位置。



S01 Assembly S01 搭建

27

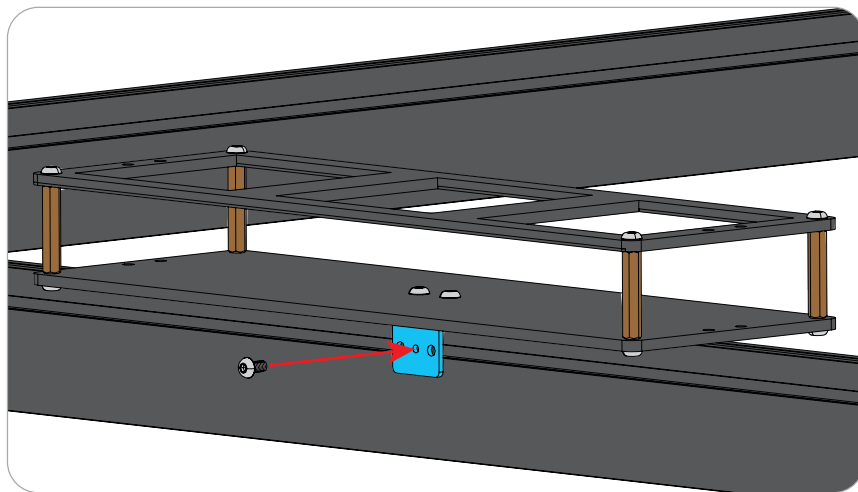
2 ×

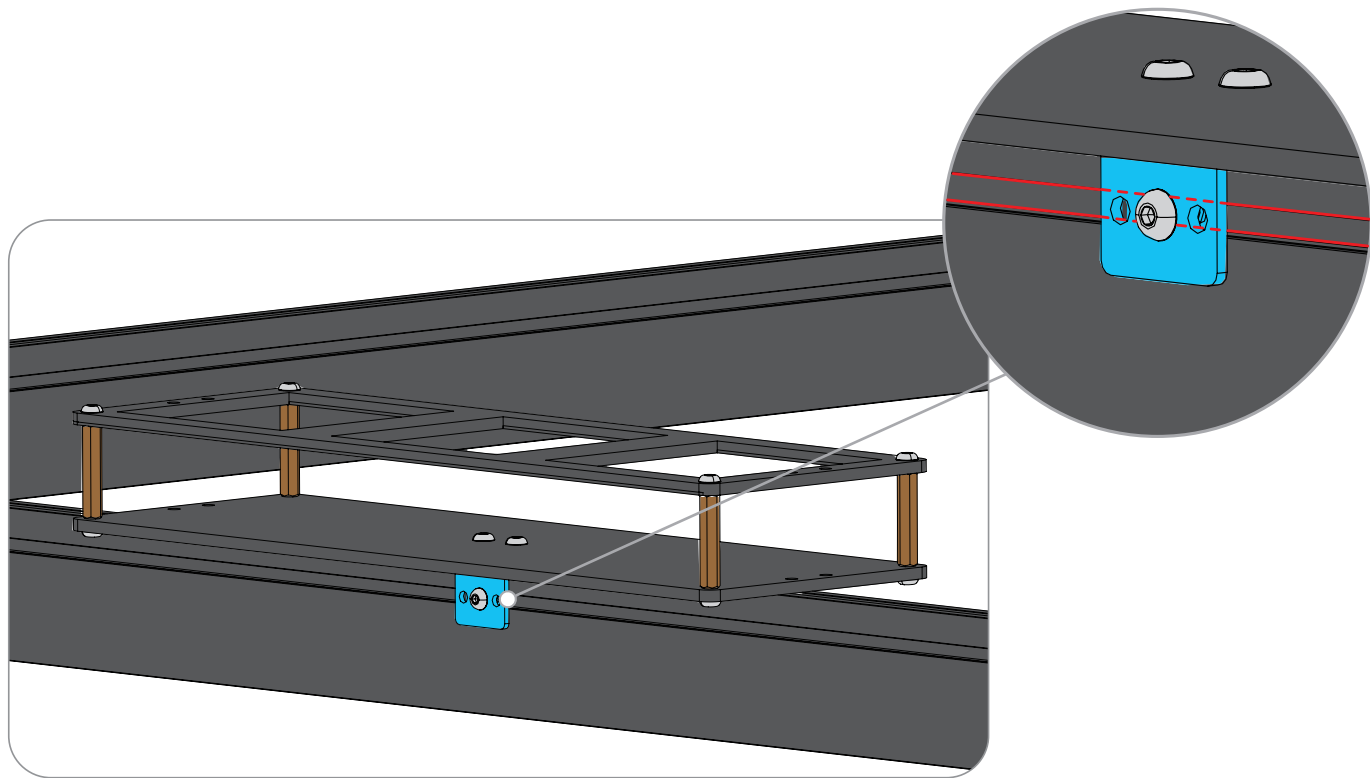


P49



Install one screw at the front and one at the back.

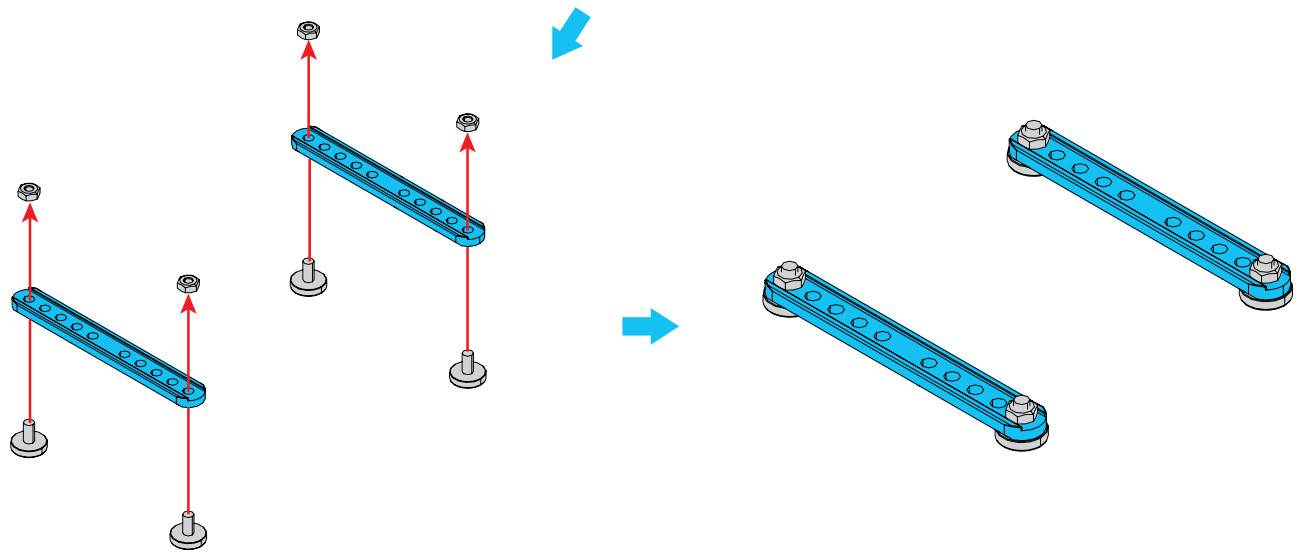
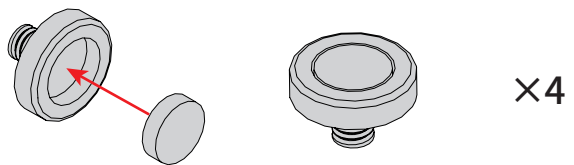
两边各安装一颗螺丝。







S02 Assembly S02 搭建

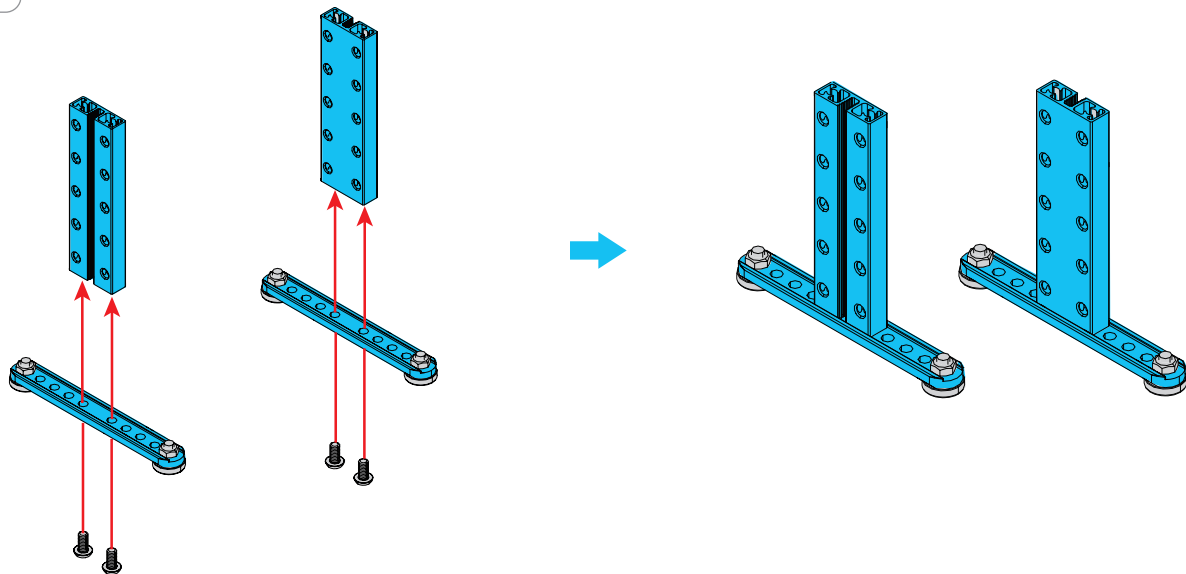
- 2X  P02
- 4X  P42
- 4X  P46
- 4X  P43

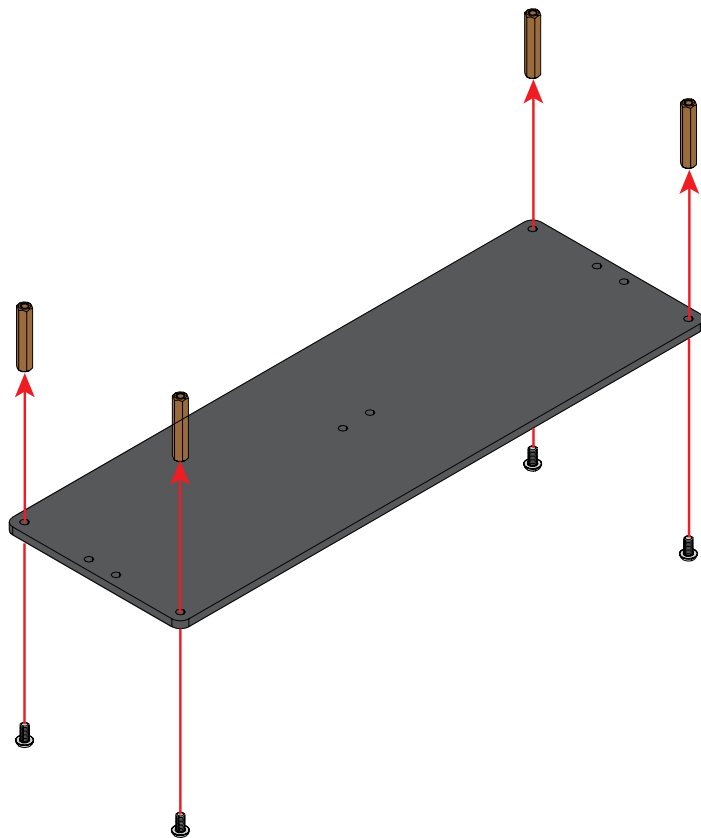
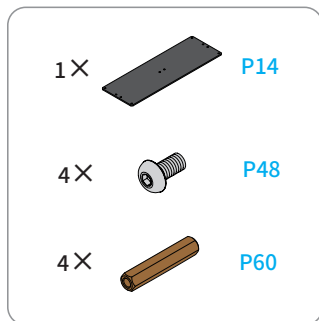


S02 Assembly S02 搭建

2X  P05

4X  P48



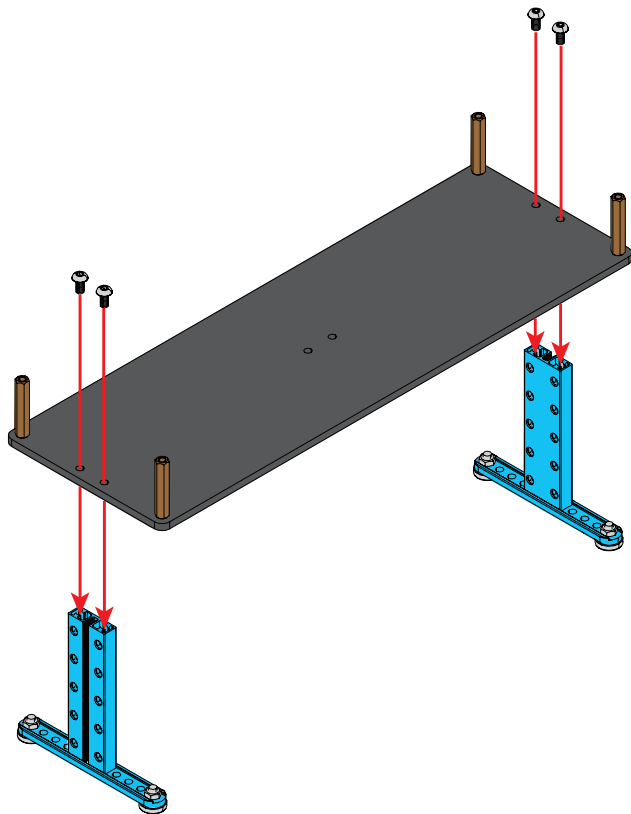



S02 Assembly S02 搭建

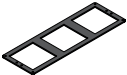
4 X

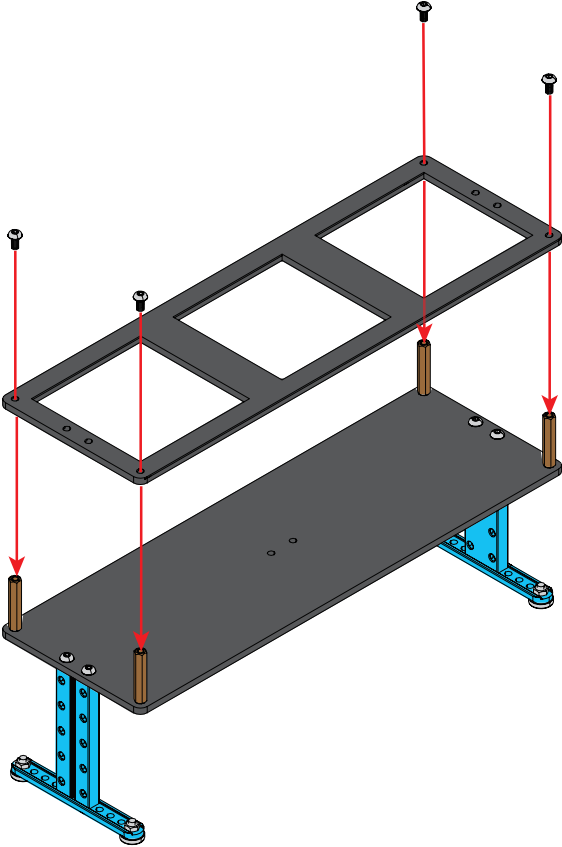


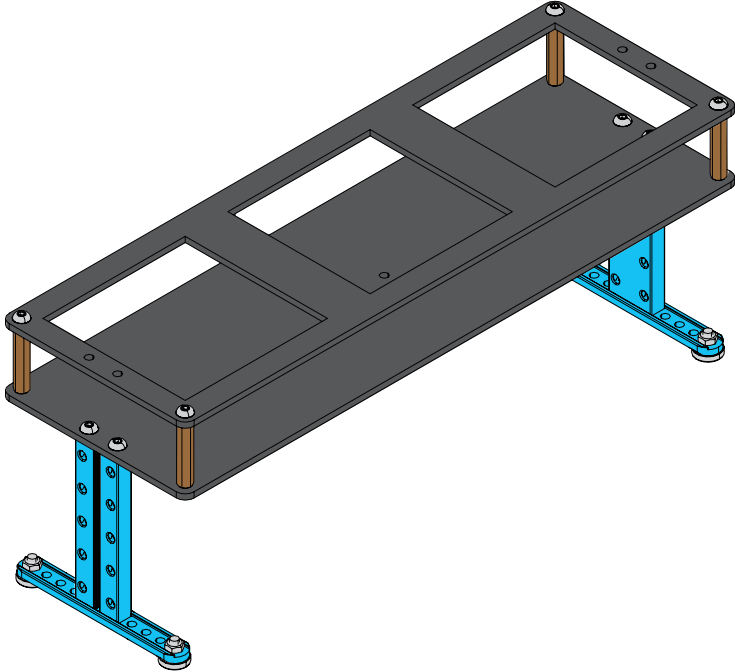
P48



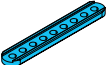



4×  P48

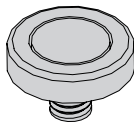
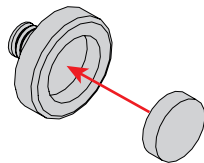
1×  P13



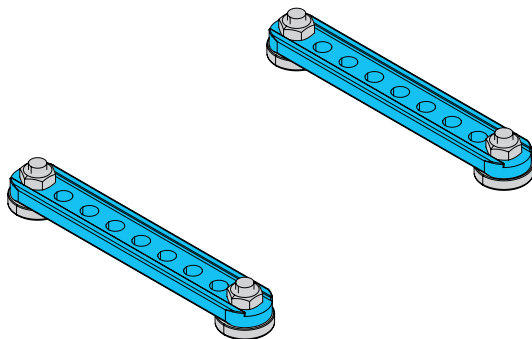
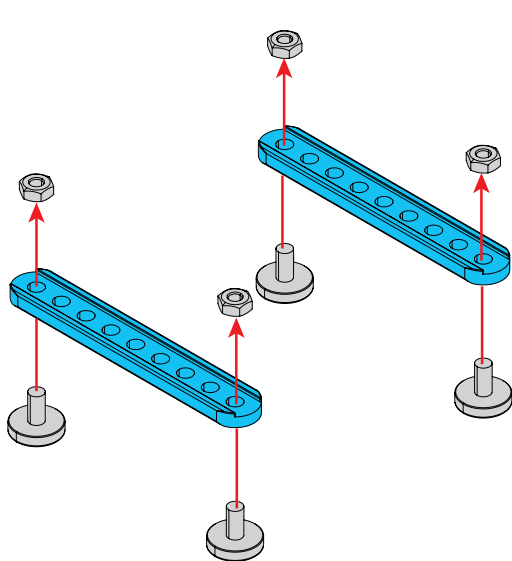


S03 Assembly S03 搭建

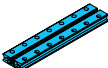
- 2X  P01
- 4X  P42
- 4X  P46
- 4X  P43



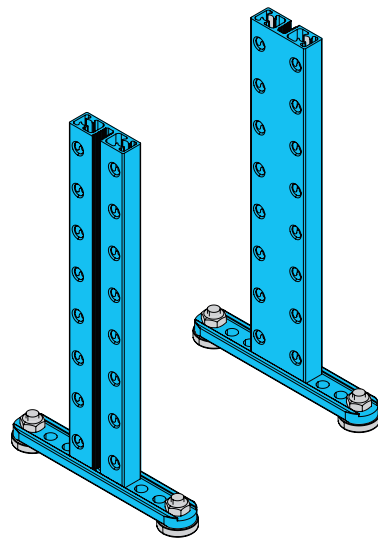
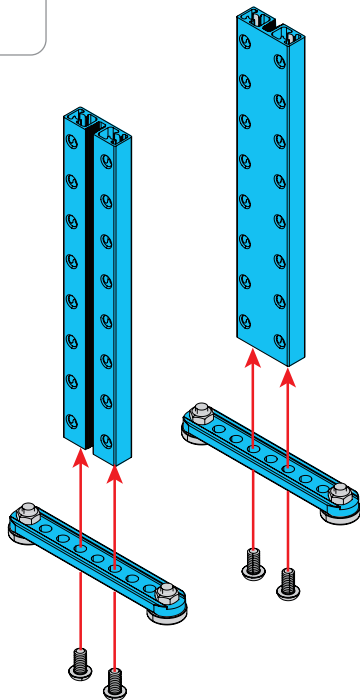
×4



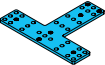

S03 Assembly S03 搭建

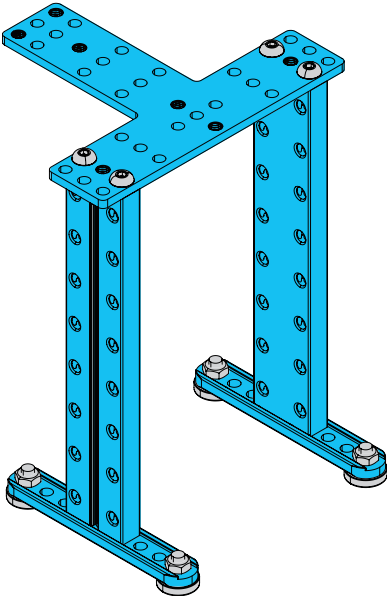
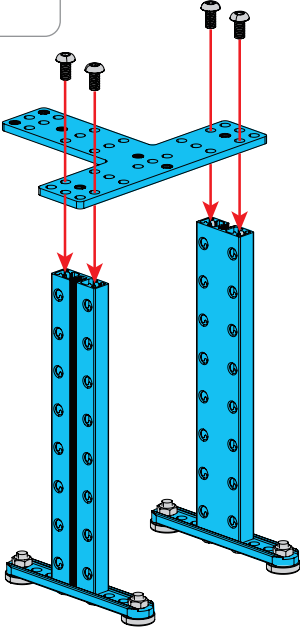
2×  P08

4×  P48



S03 Assembly S03 搭建

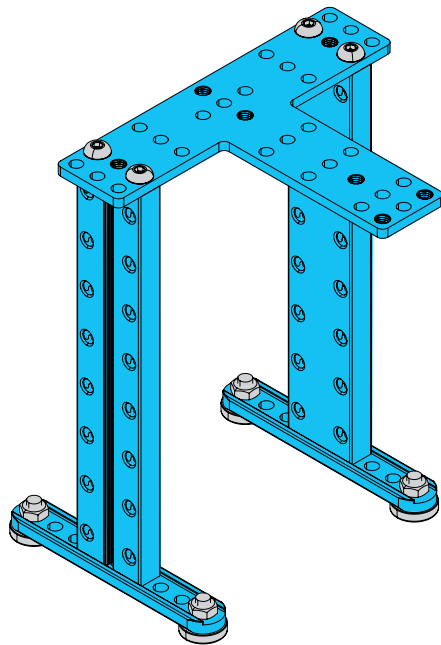
- 1×  P29
- 4×  P48







S03 Assembly S03 搭建

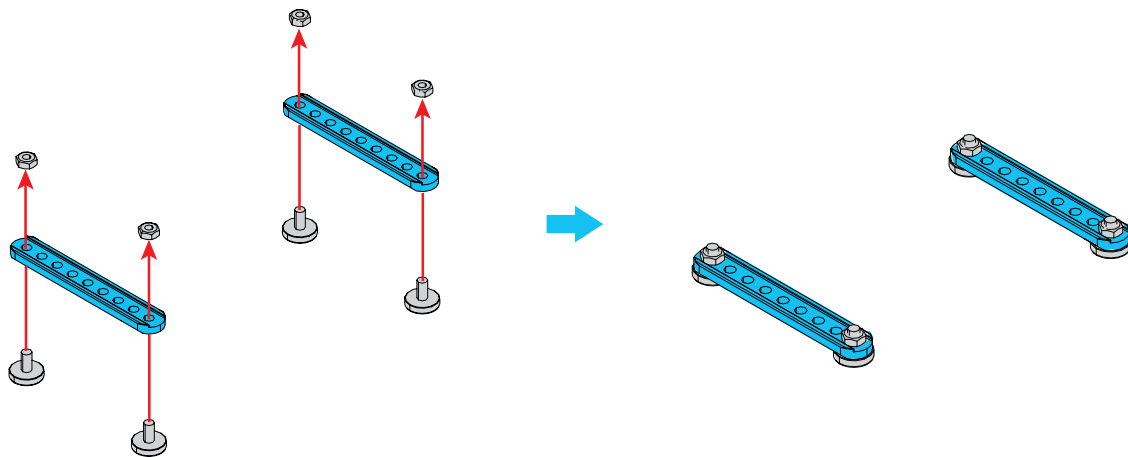
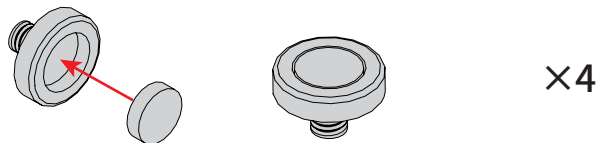
Assemble the other structure in the same way.



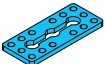

以同样的方法组装另一个同样的结构体。

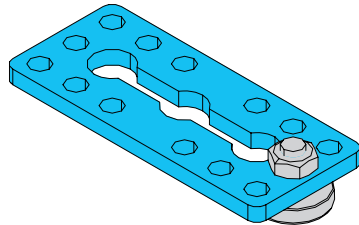
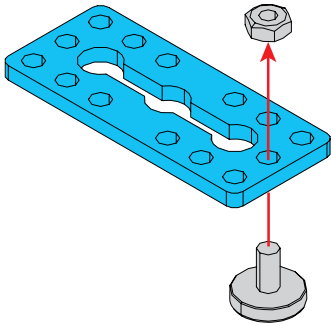
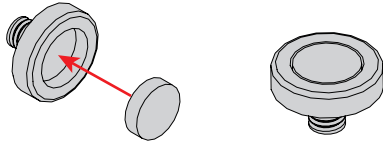


×2




- 4X  P42
- 4X  P43
- 2X  P01
- 4X  P46

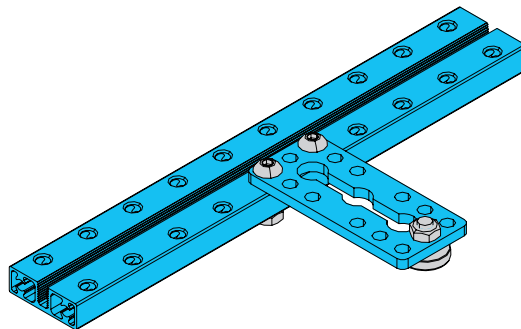
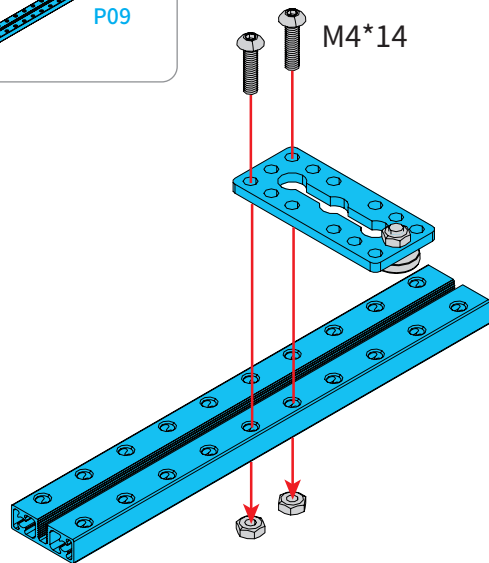


- 1 ×  P42
- 1 ×  P43
- 1 ×  P24
- 1 ×  P46





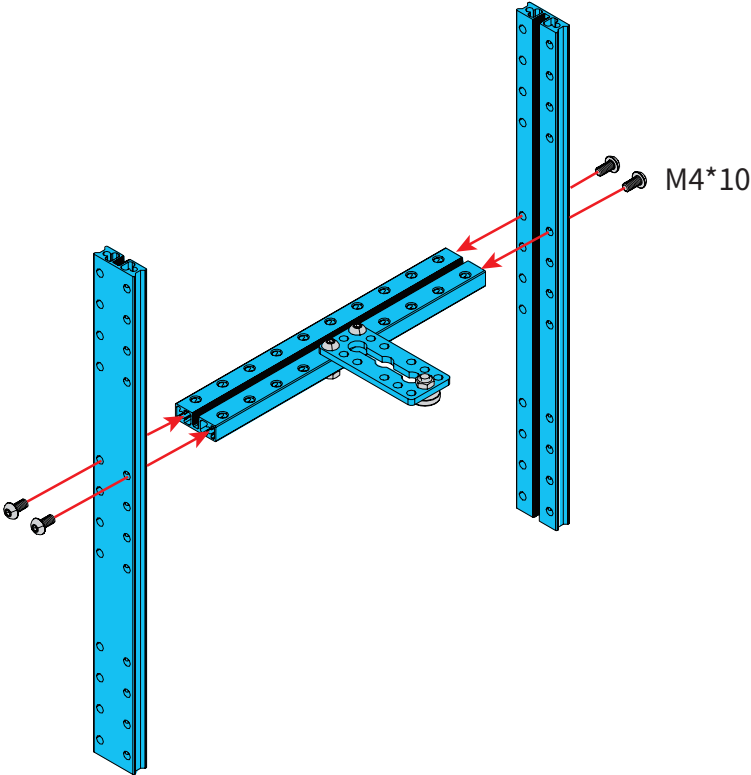
S04 Assembly S04 搭建

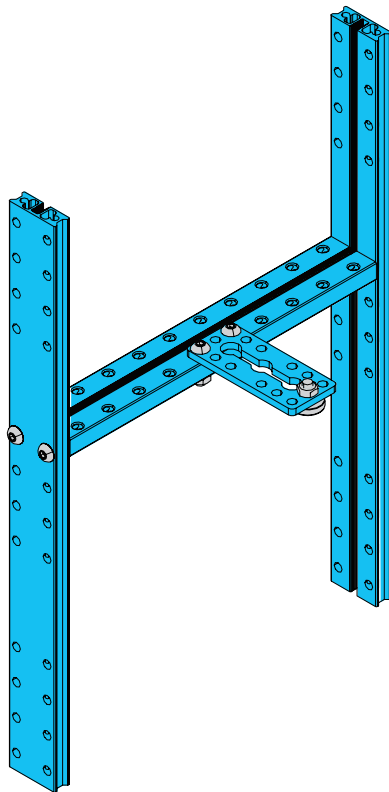
- 2×  P50
- 2×  P46
- 1×  P09



S04 Assembly S04 搭建

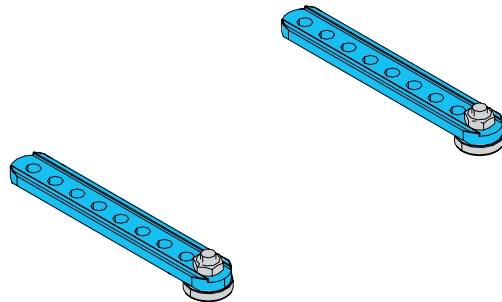
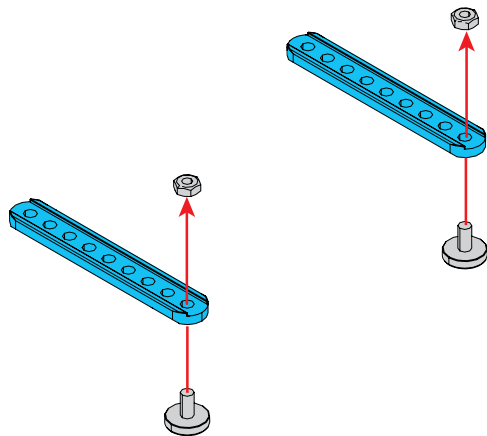
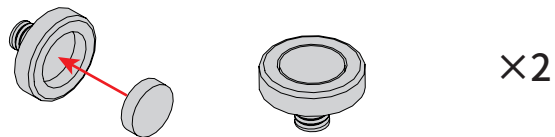
- 4 X  P49
- 2 X  P11





S04 Assembly S04 搭建

2X		P01	2X		P42
4X		P46	2X		P43

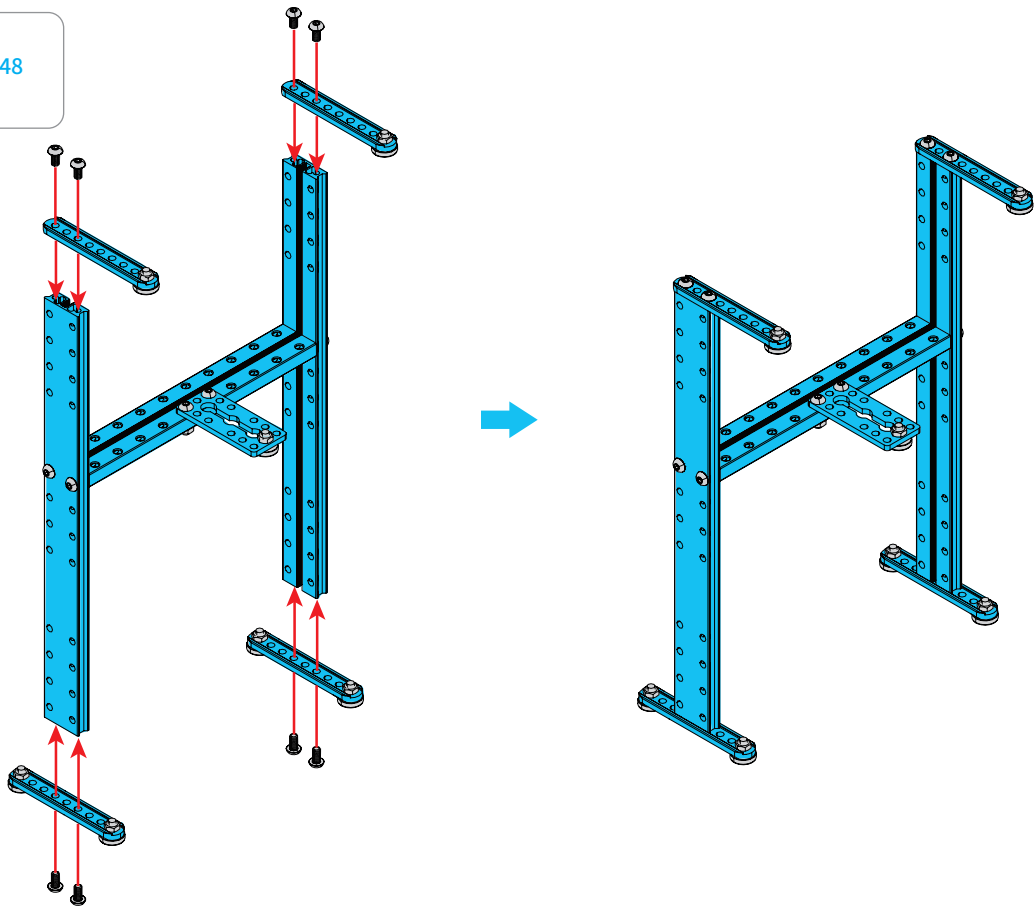


S04 Assembly S04 搭建

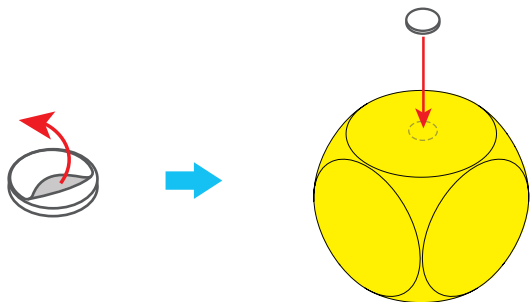
8×



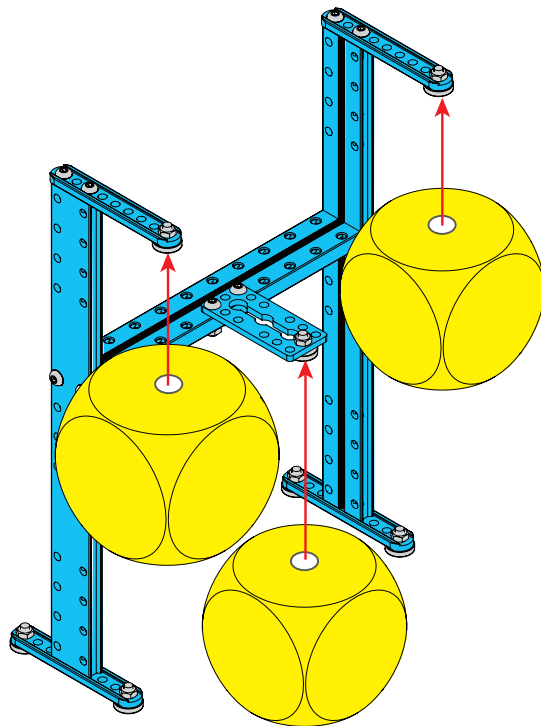
P48



3×  P79 3×  P45



×3



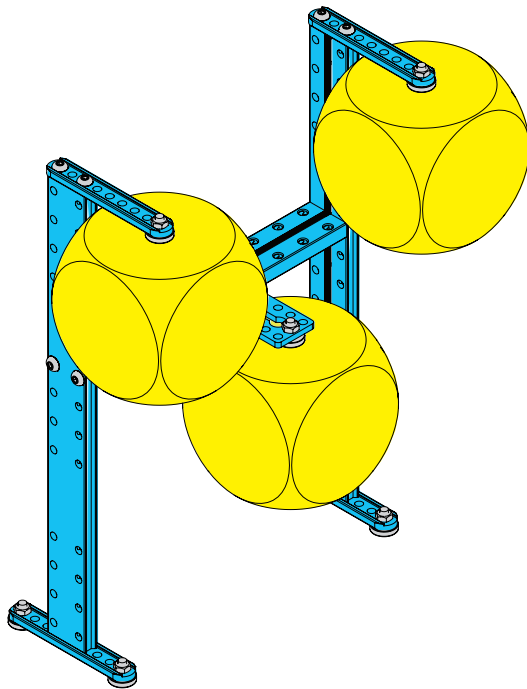
Attach the magnetic plate to the center of any side of the yellow cube .

将引磁片贴在黄色方块任意一面的中心点上。

S04 Assembly S04 搭建




Assemble the other structure in the same way.

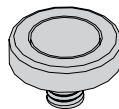
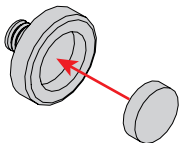
以同样的方法组装另一个同样的结构体。



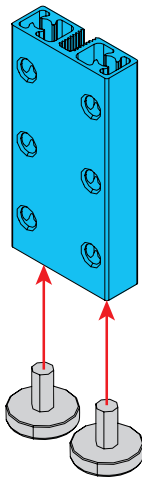
×2

S05 Assembly S05 搭建

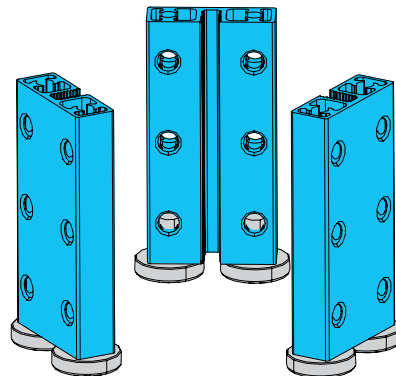
- 6×  P42
- 6×  P43
- 3×  P04



×6



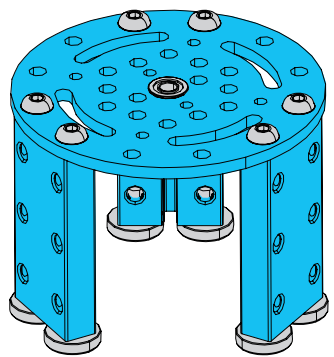
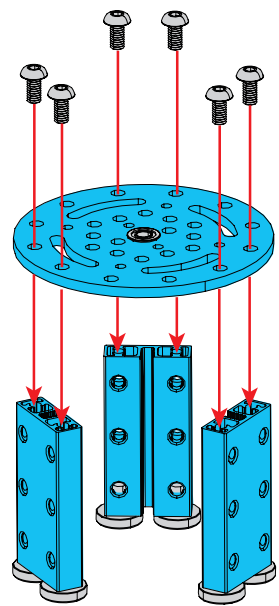
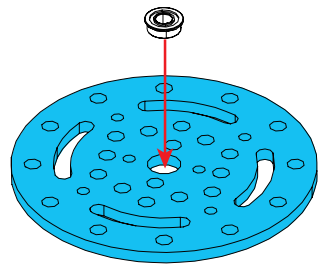
×3



Assemble the other two structures in the same way.
以同样的方法组装另外两个同样的结构体。

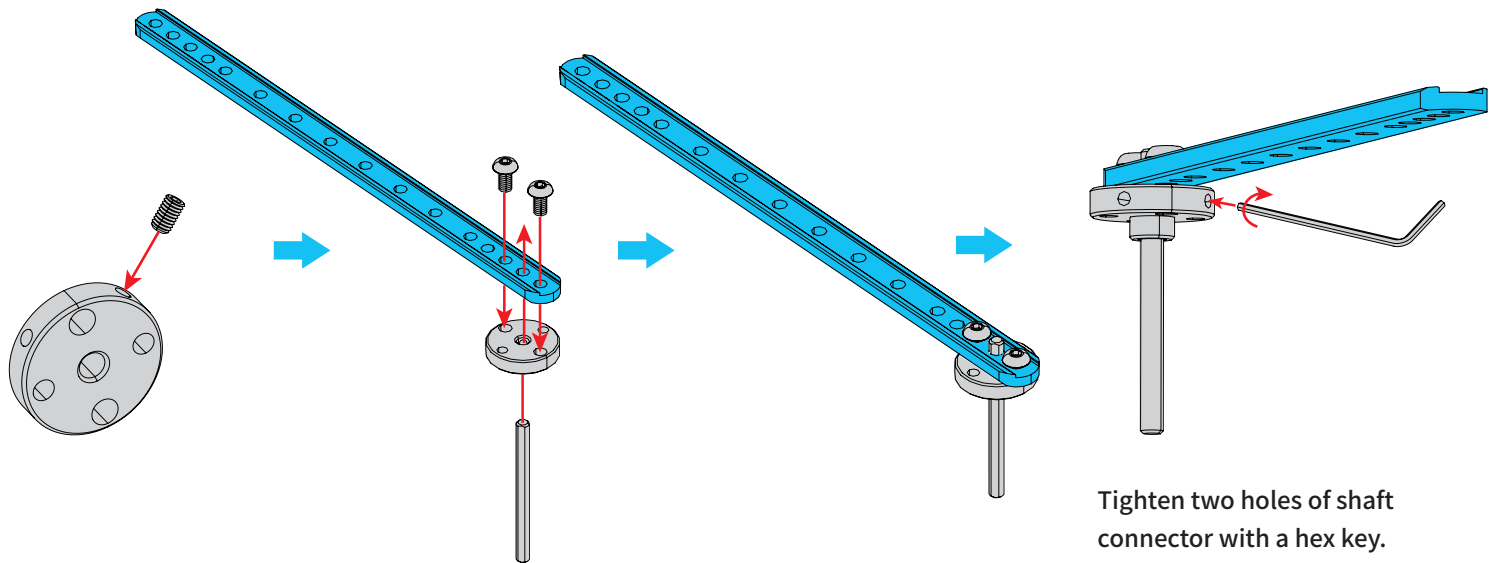
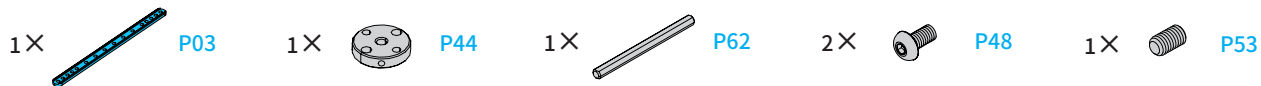
S05 Assembly S05 搭建

- 1X  P57
- 1X  P27
- 6X  P48





S05 Assembly S05 搭建

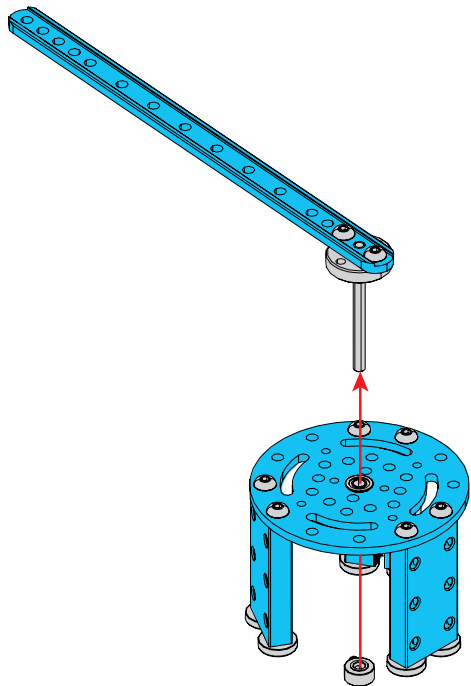
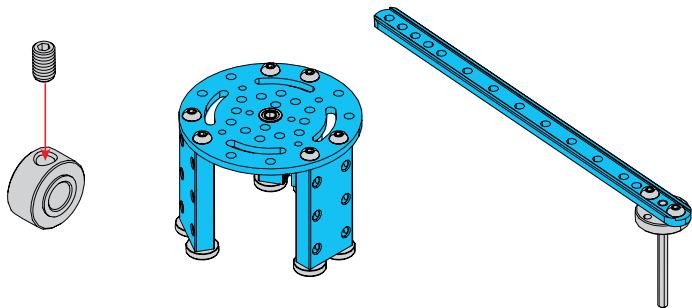
50

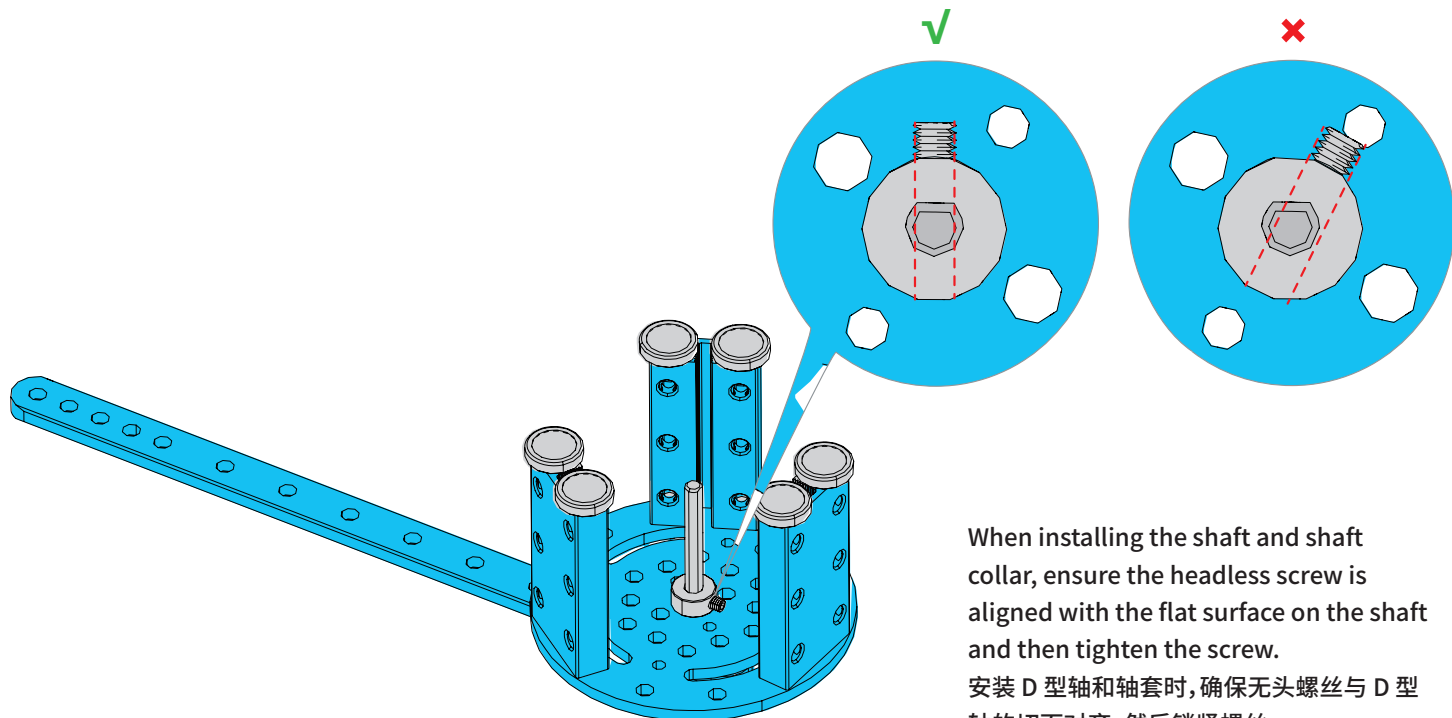


Tighten two holes of shaft connector with a hex key.
用 L 型扳手锁紧传动固定盘的两个孔。

S05 Assembly S05 搭建

- 1×  P53
- 1×  P54

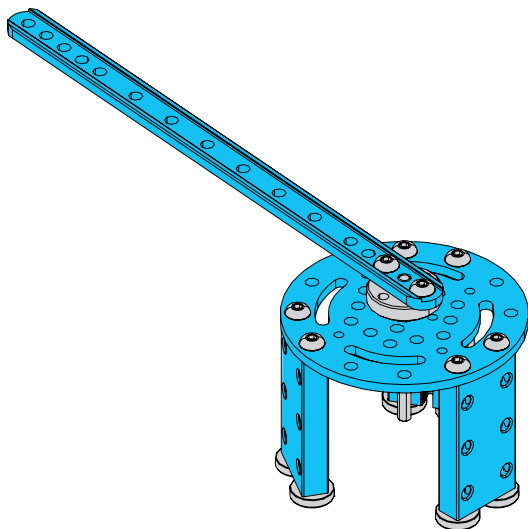









S05 Assembly S05 搭建

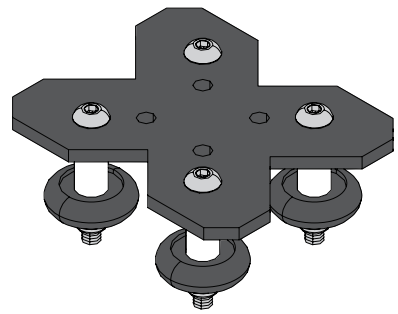
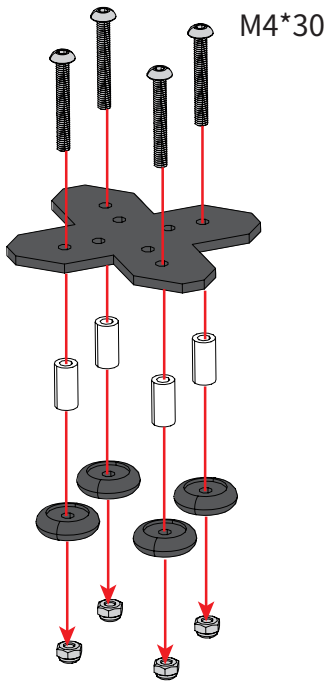
Assemble the other structure in the same way.

以同样的方法组装另一个同样的结构体。



×2

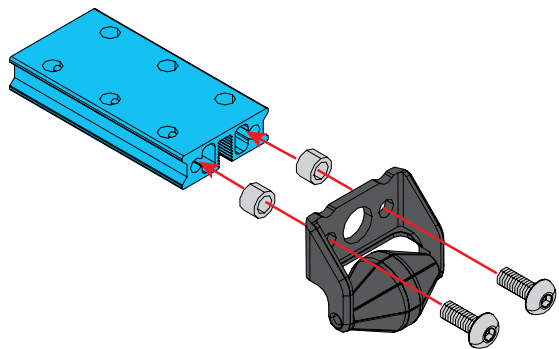
- 4X  P52
- 4X  P67
- 4X  P47
- 4X  P56
- 1X  P20
(B01)



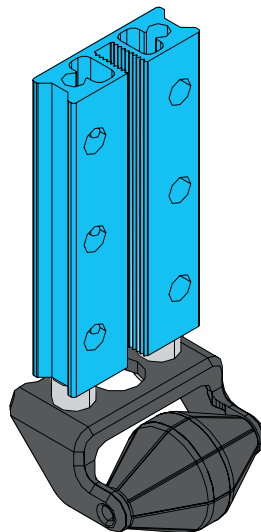
S06 Assembly S06 搭建



2×  P49 1×  P04

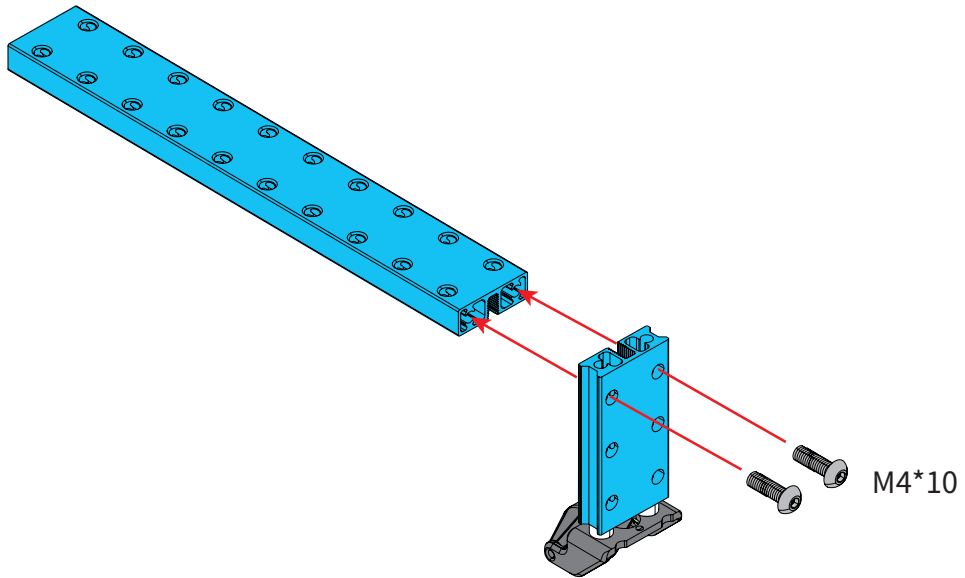
1×  P59 2×  P58





M4*10

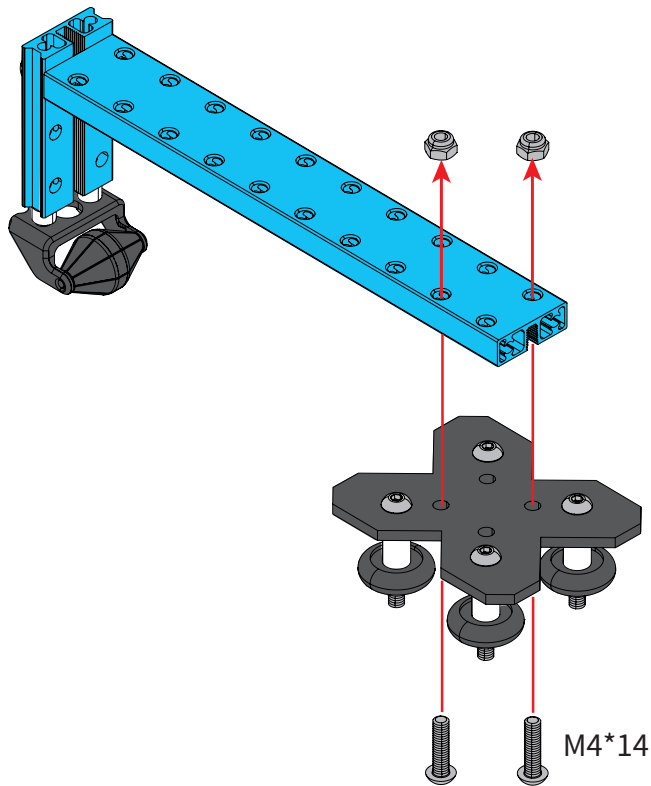


- 2×  P49
- 1×  P09



S06 Assembly S06 搭建

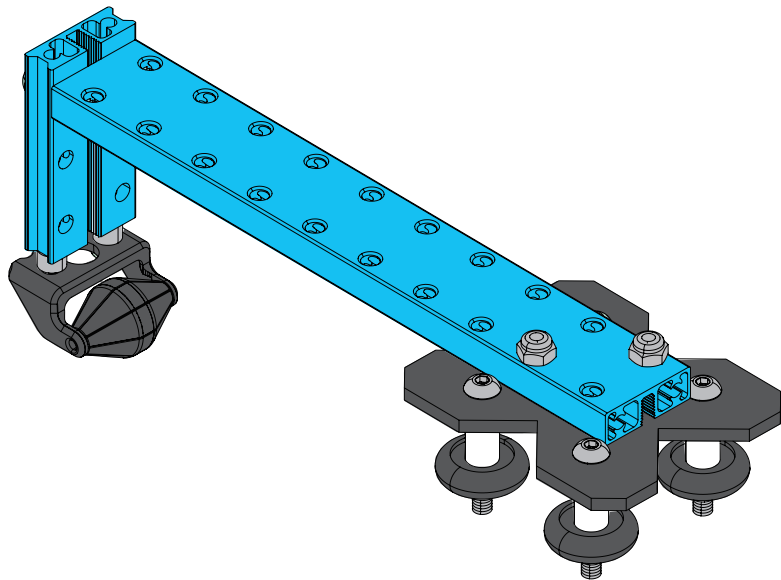
- 2X  P46
- 2X  P50



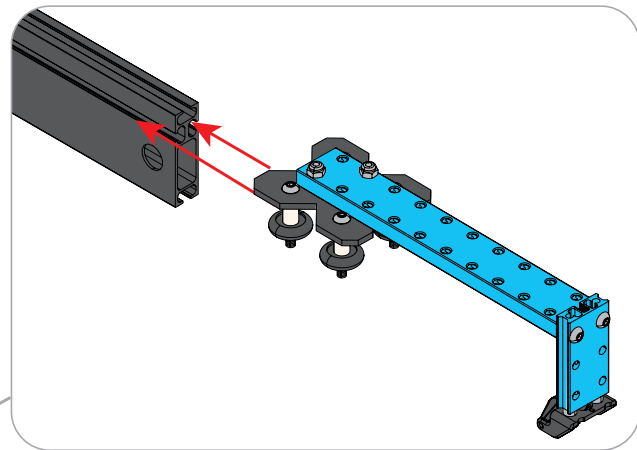
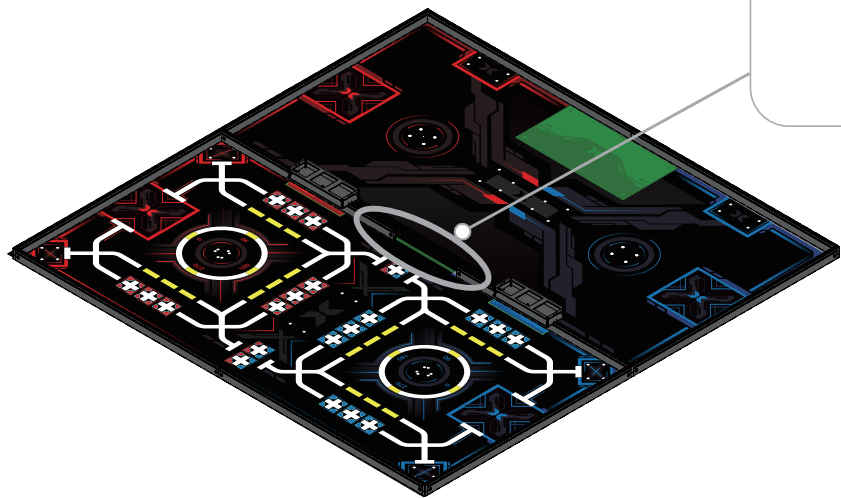
S06 Assembly S06 搭建

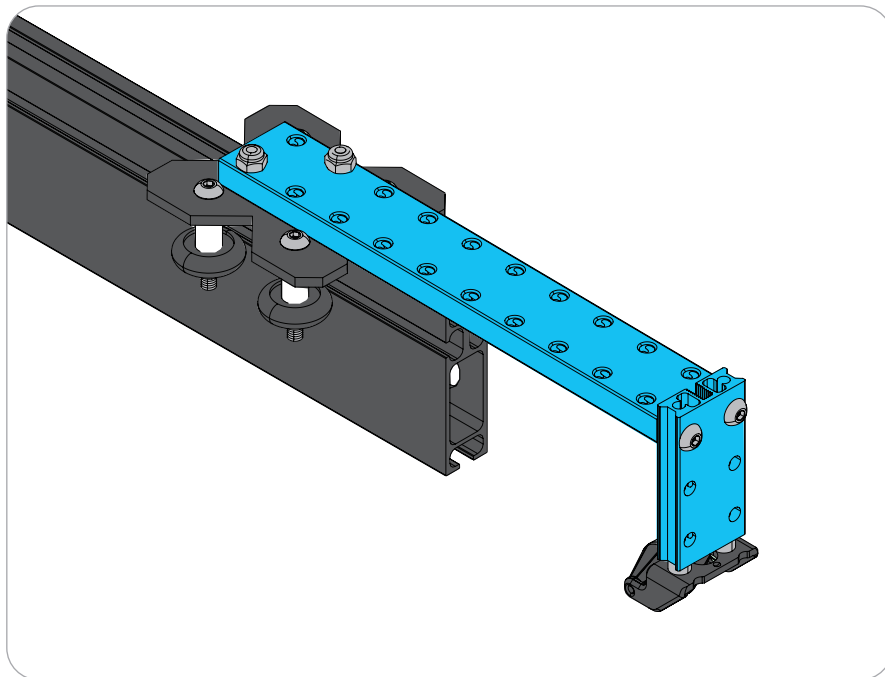
Assemble the other structure in the same way.

以同样的方法组装另一个同样的结构体。



×2

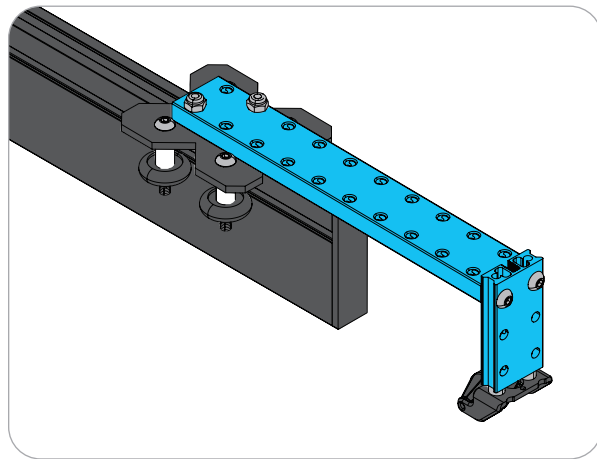
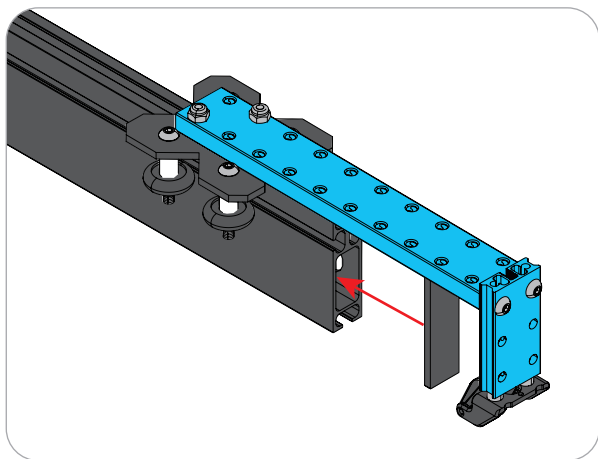
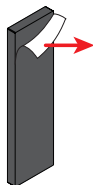




1×



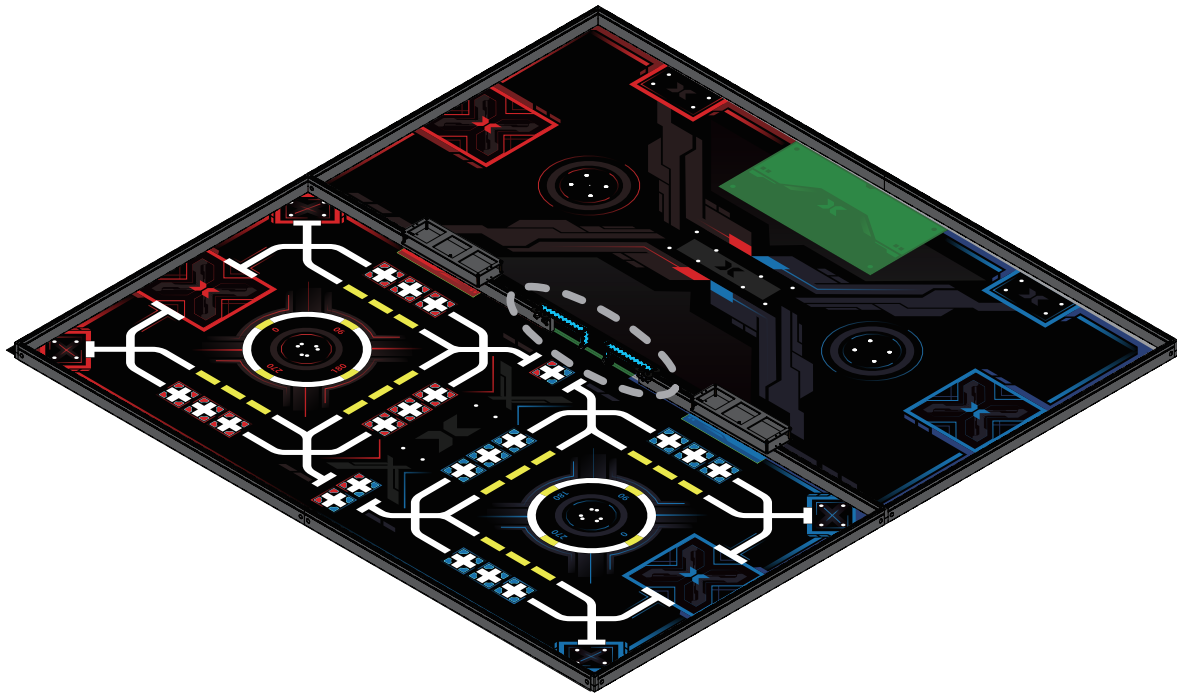
P41








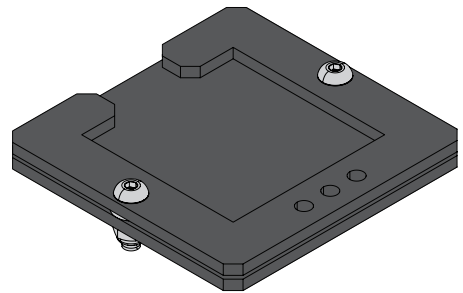
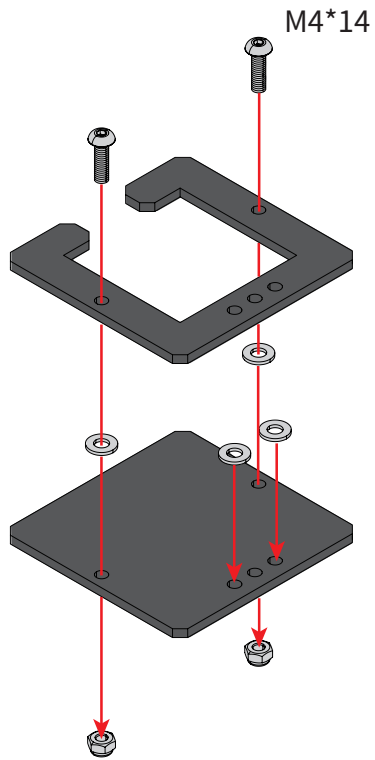
S06 Assembly S06 搭建

Install the other structure in the same way.





以同样的方法安装另一个同样的结构体。

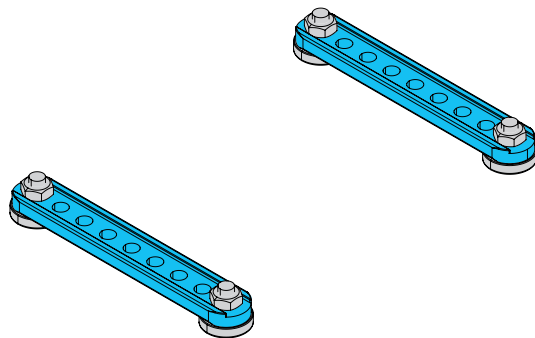
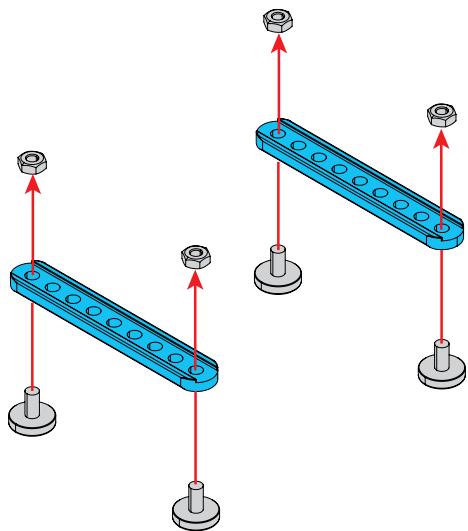
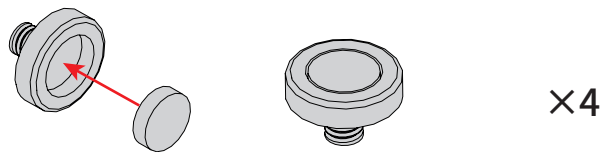


- 2×  P50
- 1×  P15 (C01)
- 1×  P16 (C02)
- 4×  P68
- 2×  P47





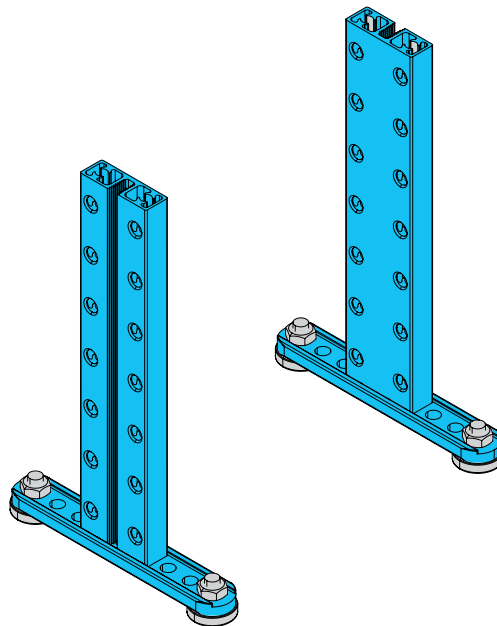
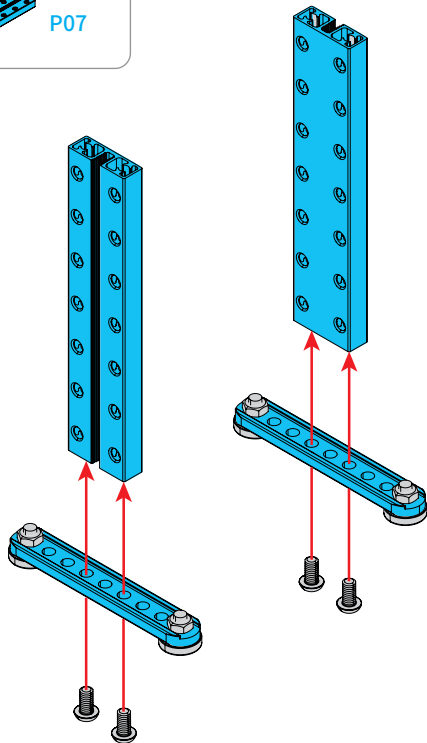
S07 Assembly S07 搭建

- 4×  P42
- 2×  P01
- 4×  P43
- 4×  P46






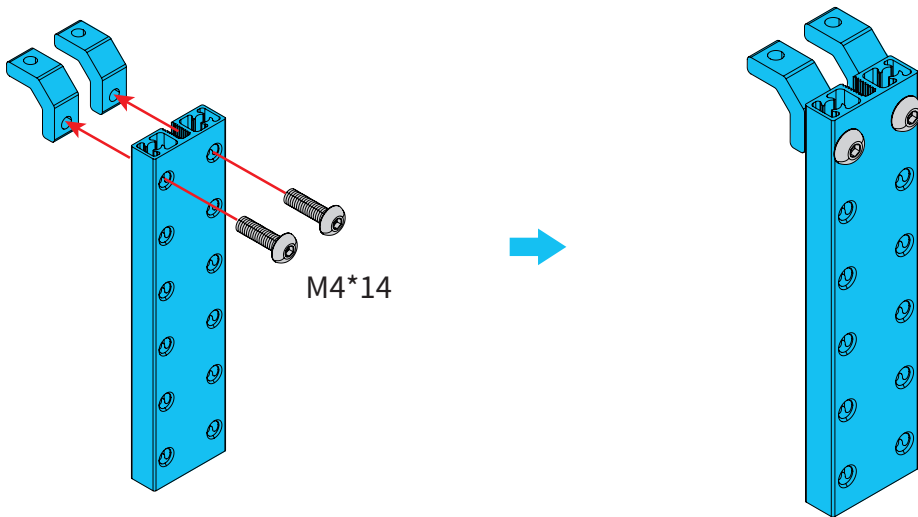
S07 Assembly S07 搭建

- 4X  P48
- 2X  P07






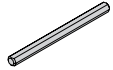


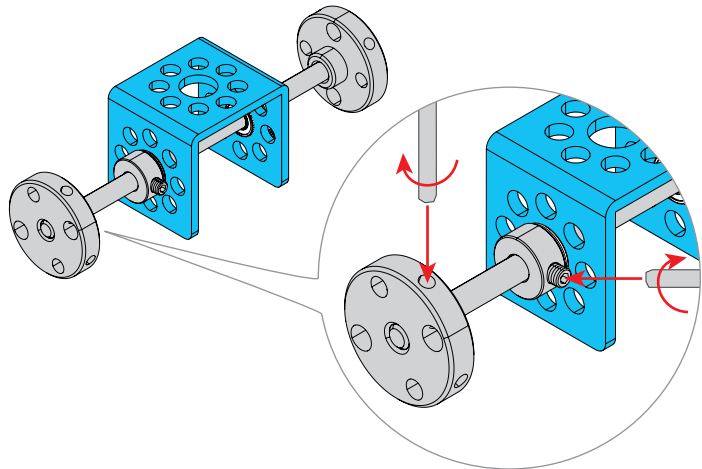
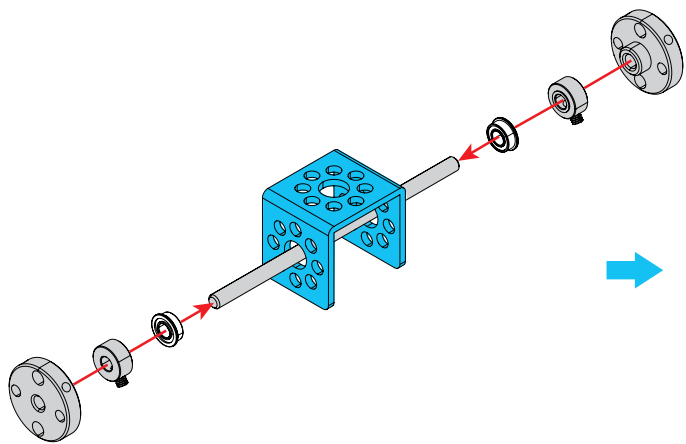
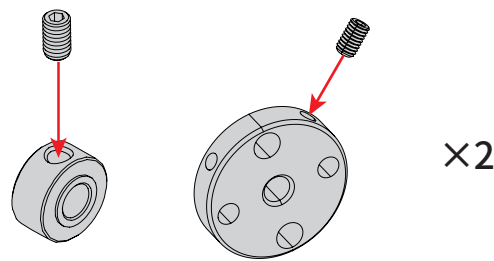
S07 Assembly S07 搭建

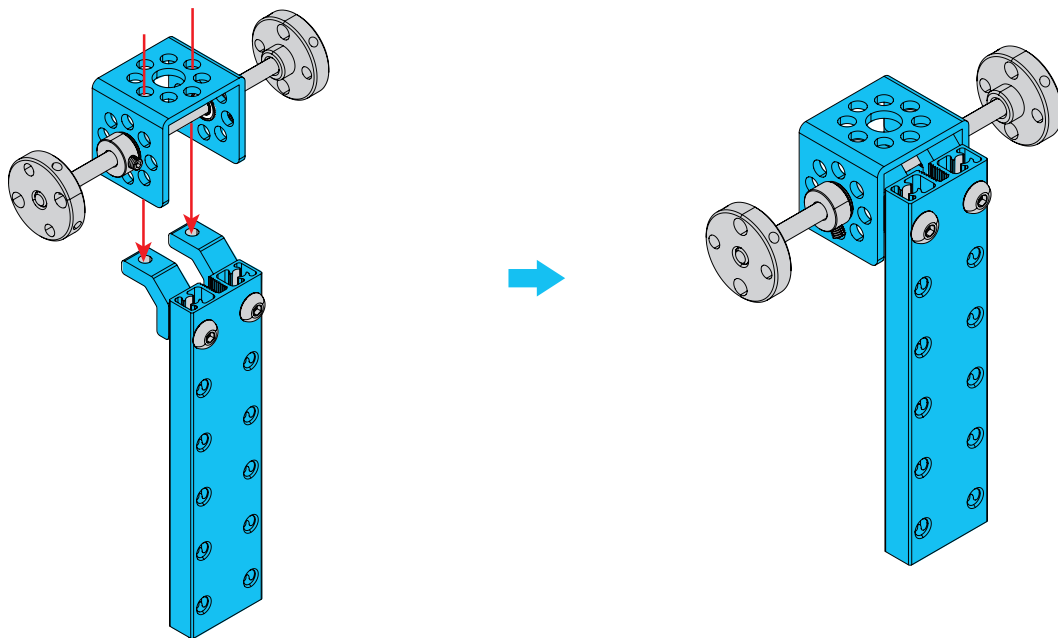
1×  P06 2×  P28 2×  P50

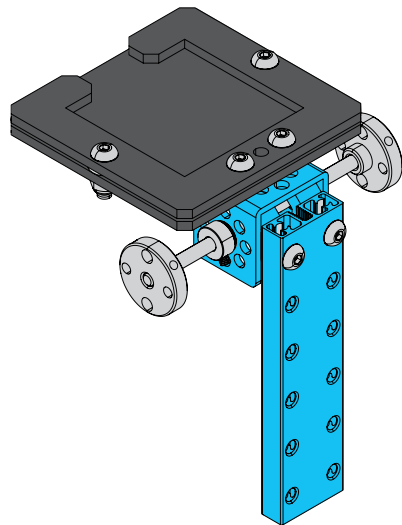
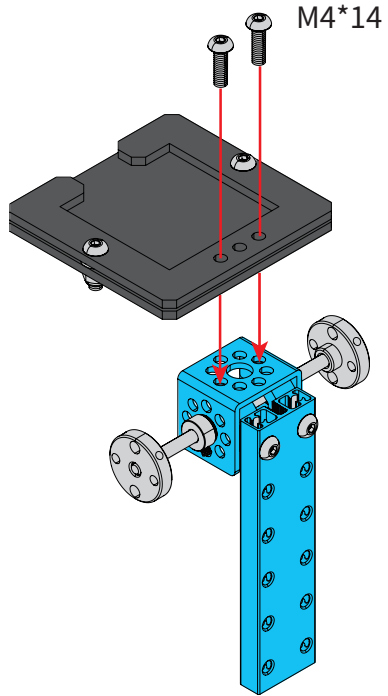
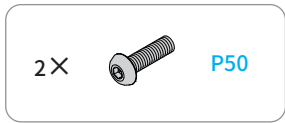


S07 Assembly S07 搭建


- | | | | | | |
|----|---|-----|----|---|-----|
| 4X |  | P53 | 1X |  | P31 |
| 2X |  | P54 | 2X |  | P44 |
| 2X |  | P57 | 1X |  | P63 |

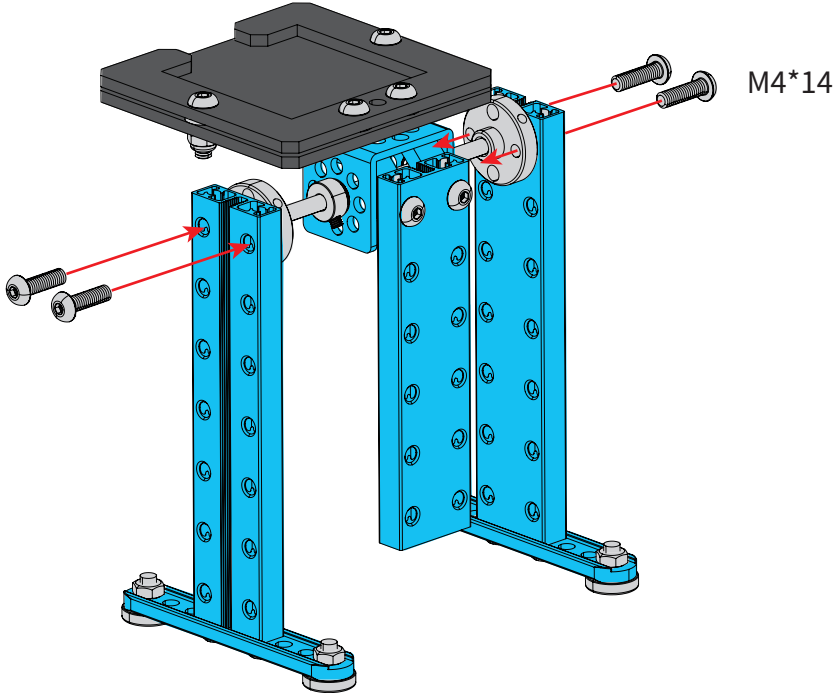






S07 Assembly S07 搭建

4X  P50



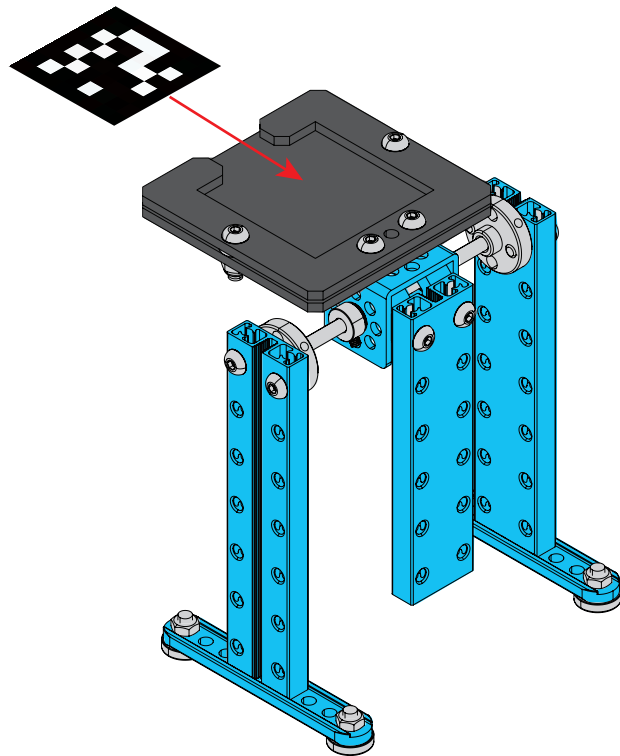
S07 Assembly S07 搭建

1×



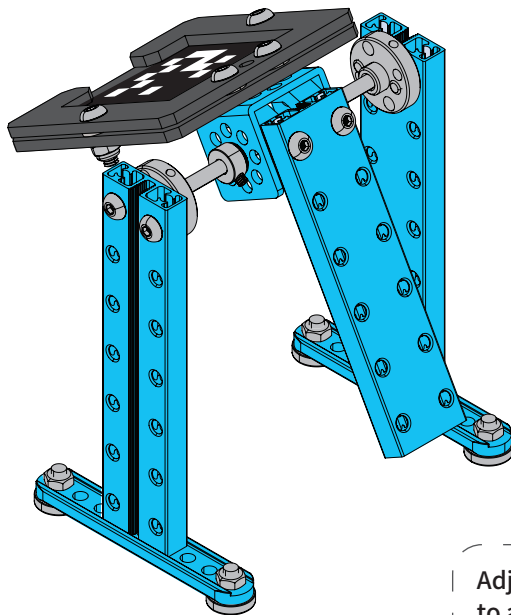
P76

Place a card in the block.
将标签卡放置在放置块里。



Assemble the other structure in the same way.





以同样的方法组装另一个同样的结构体。

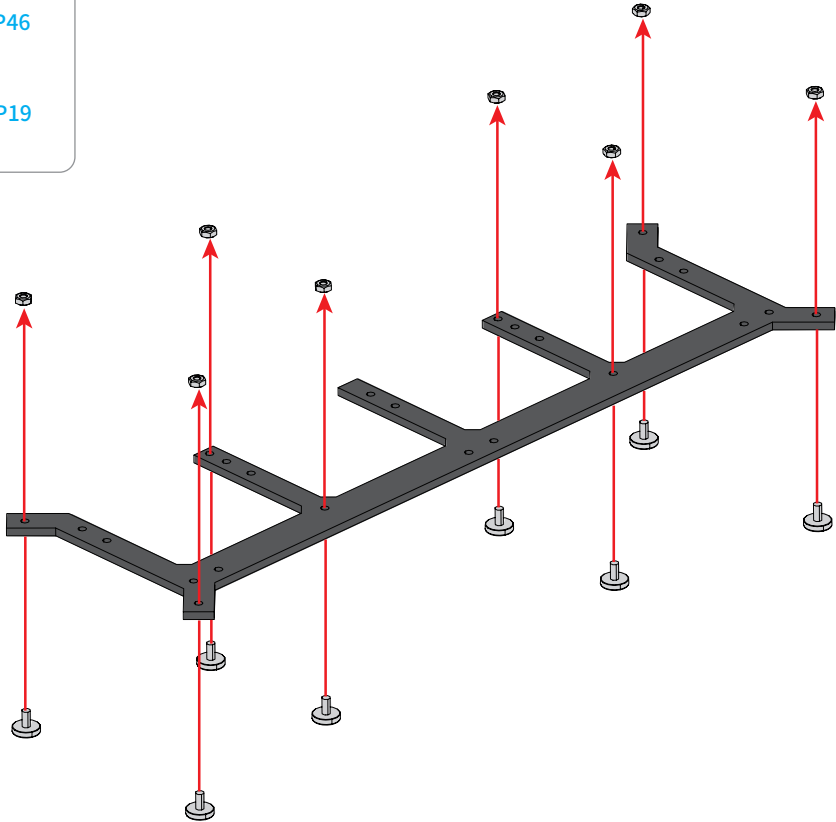
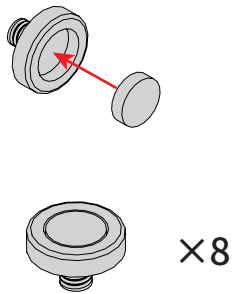


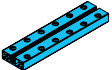
×2


Adjust the tightness of the screws on both sides
to allow the block to hang naturally.
通过调节两侧的螺丝松紧,使放置块部分自然下垂。

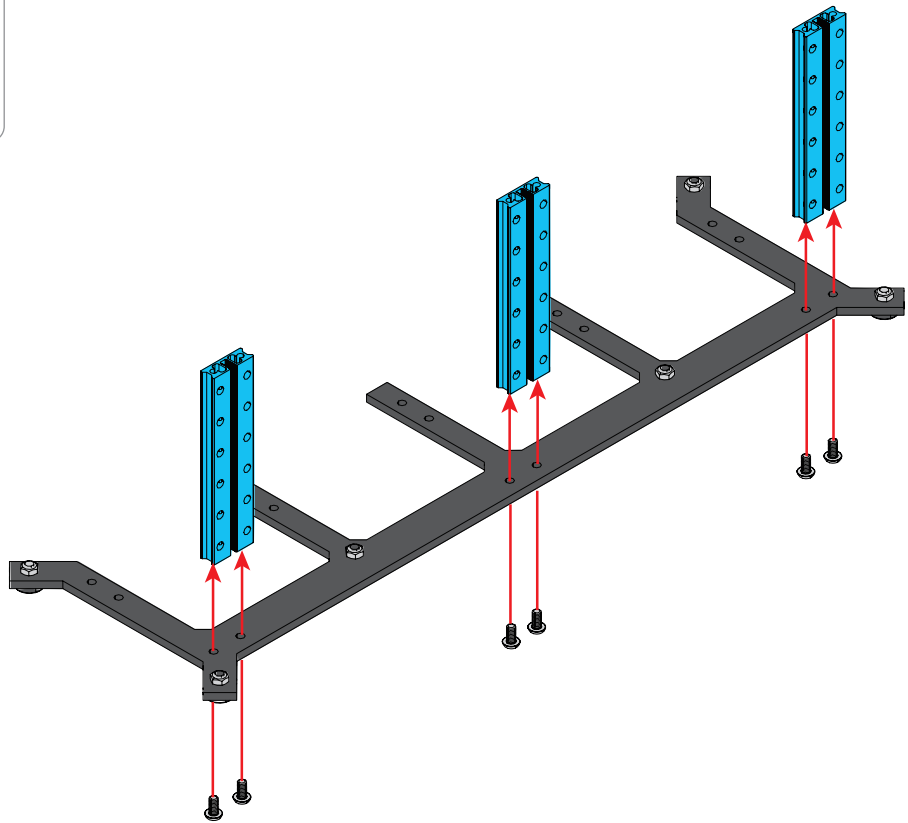
S08 Assembly S08 搭建

8×		P42	8×		P46
8×		P43	1×		P19 (D01)






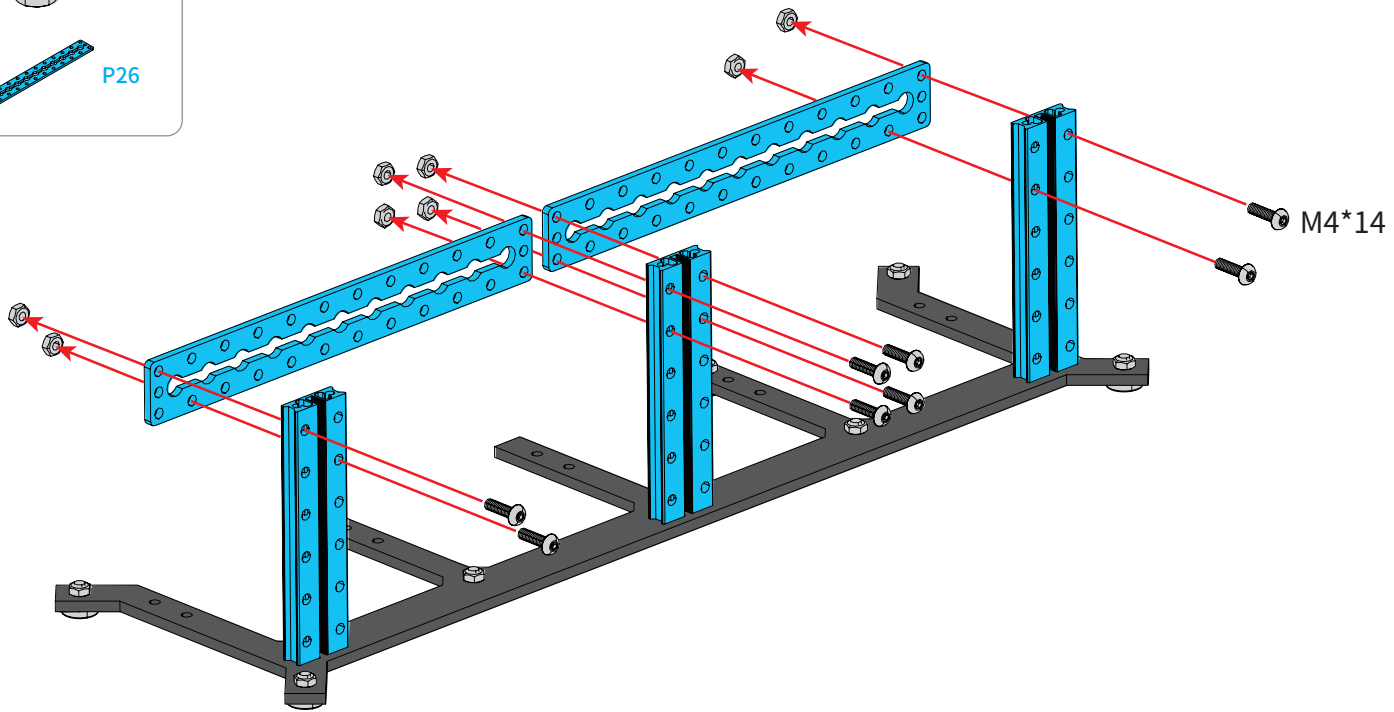
3X  P06

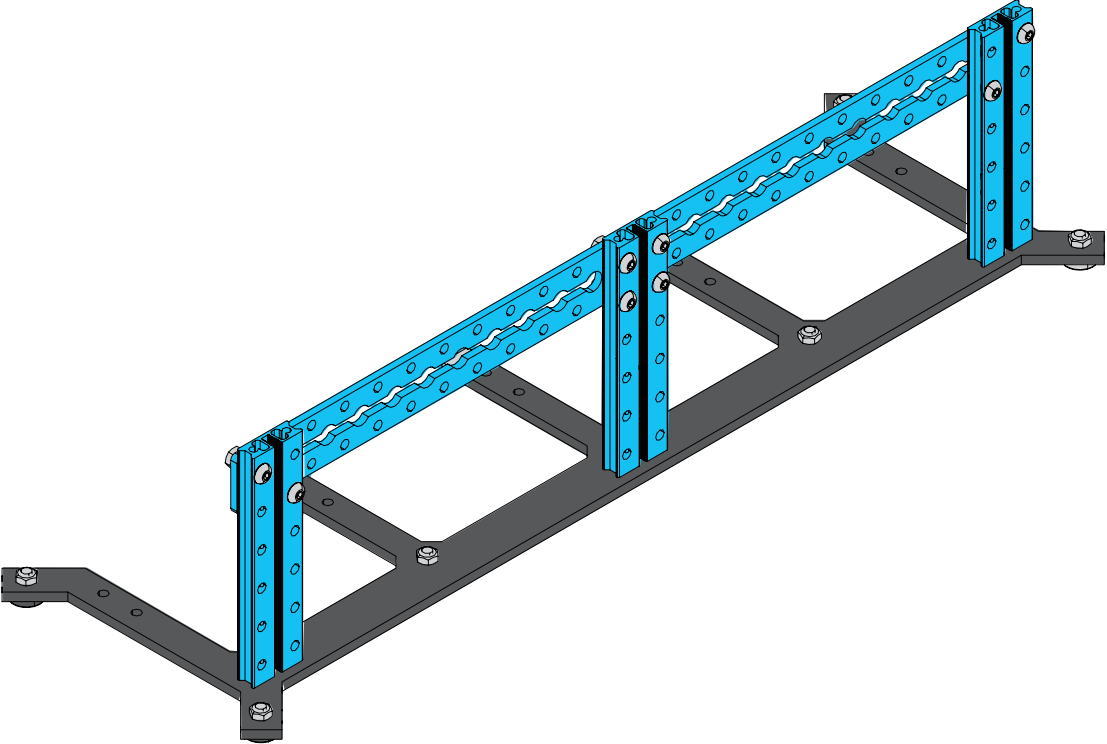
6X  P48

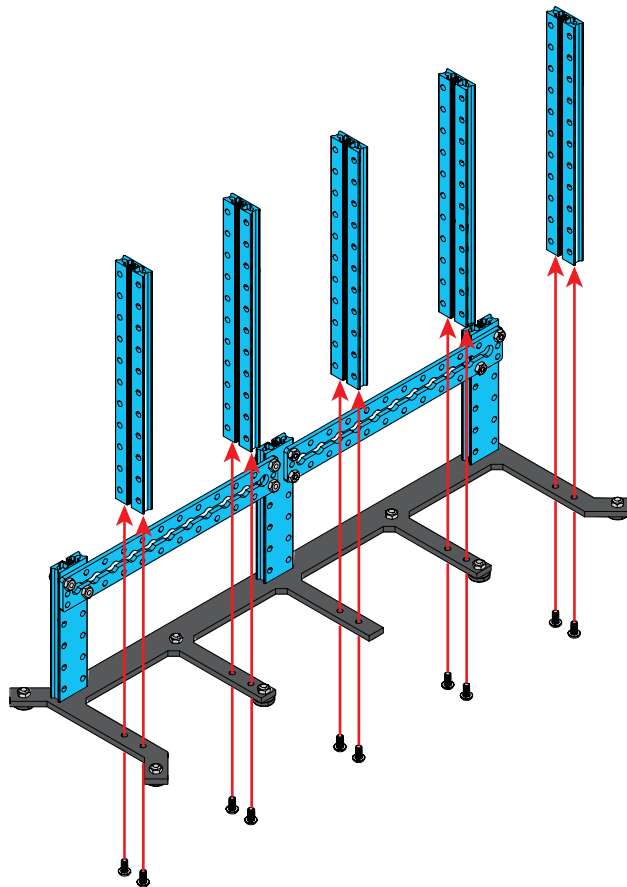
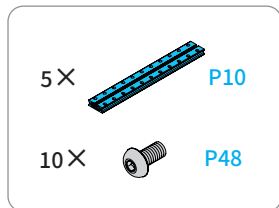


S08 Assembly S08 搭建

- 8X  P50
- 8X  P46
- 2X  P26

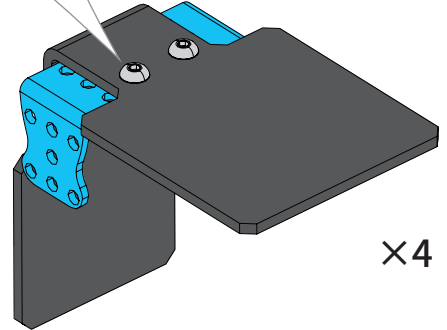
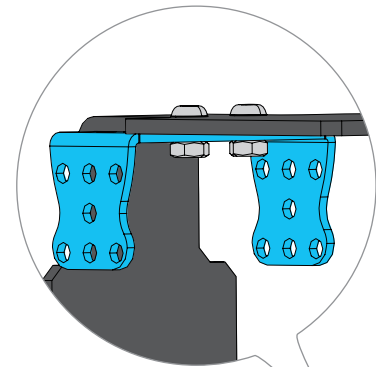
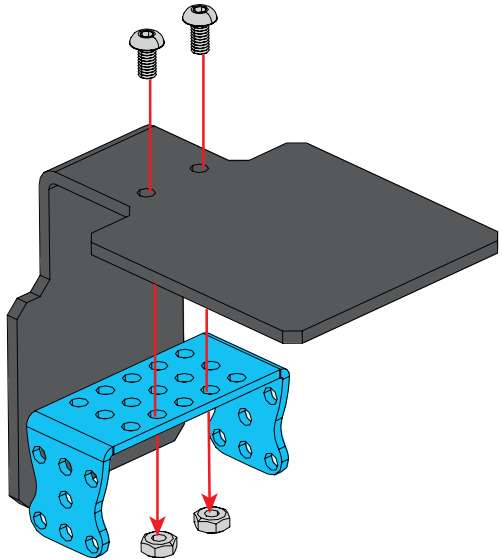










S08 Assembly S08 搭建

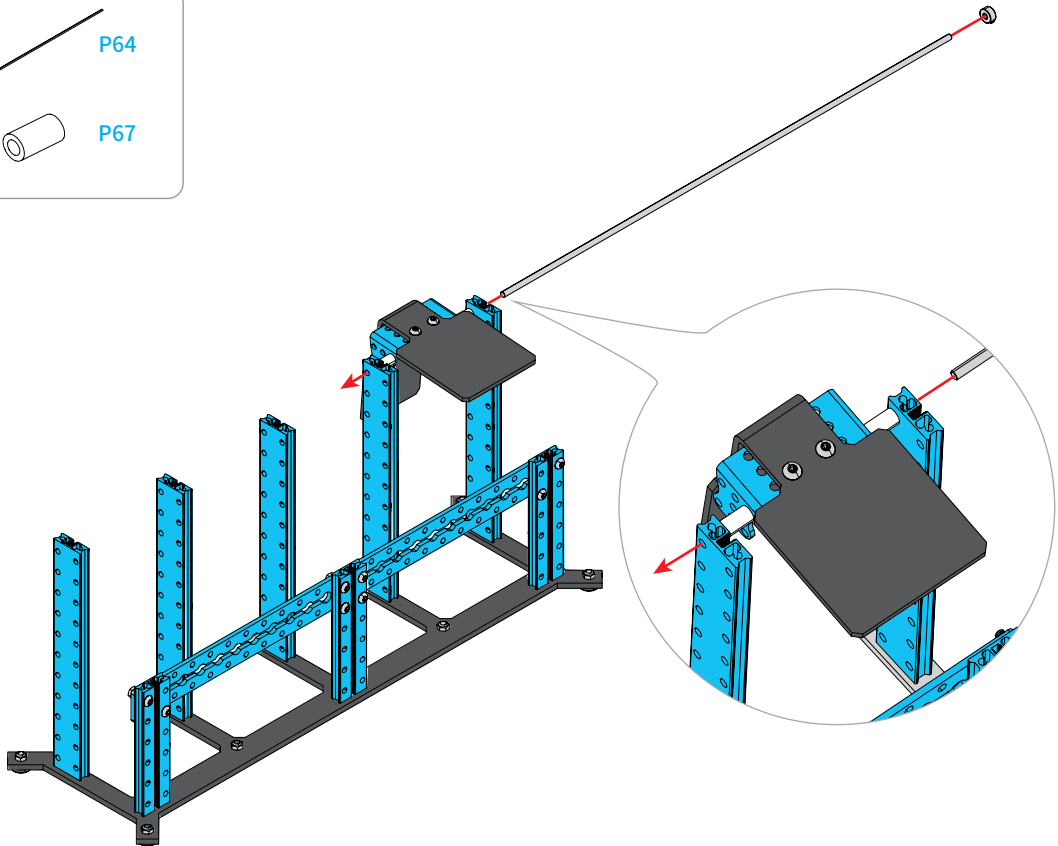
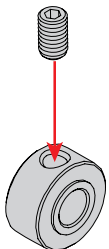
- 1×  P18
- 2×  P46
- 1×  P33
- 2×  P48



×4

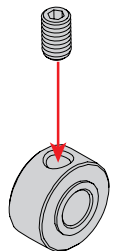
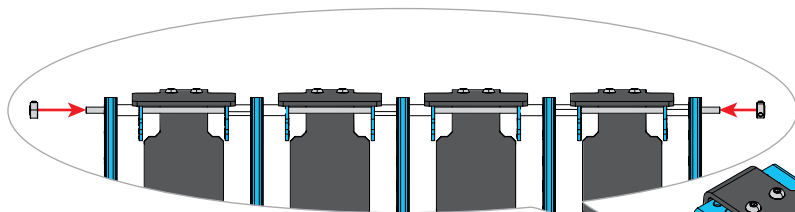
S08 Assembly S08 搭建

- 1×  P53
- 1×  P64
- 1×  P54
- 2×  P67

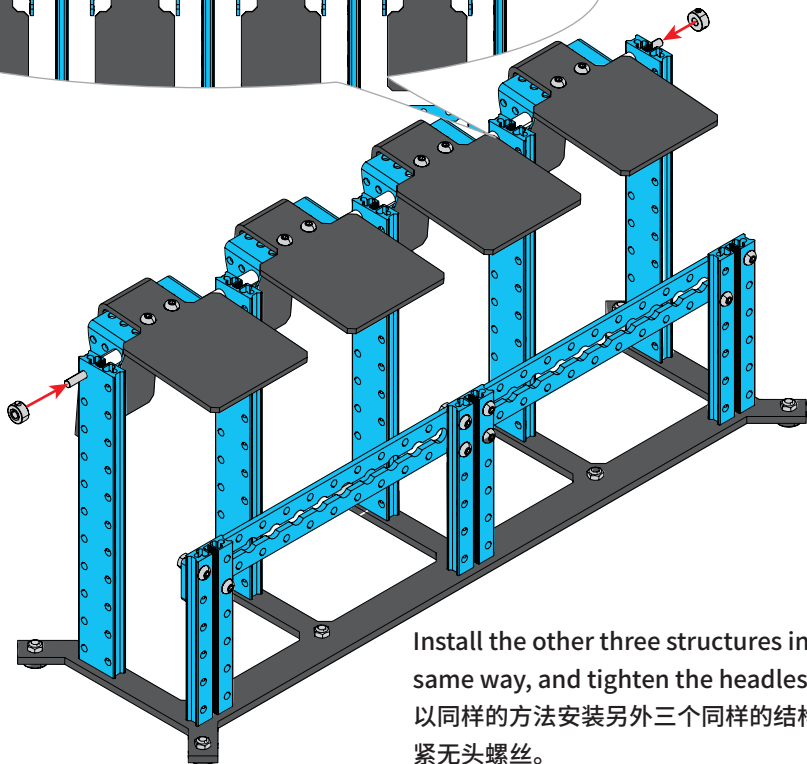


S08 Assembly S08 搭建

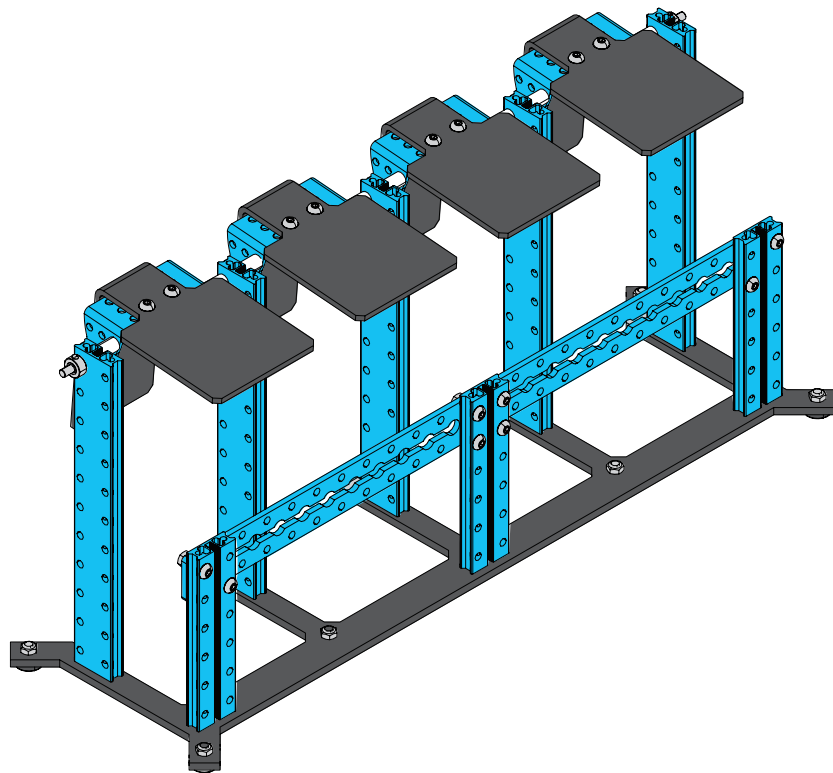
80



×2



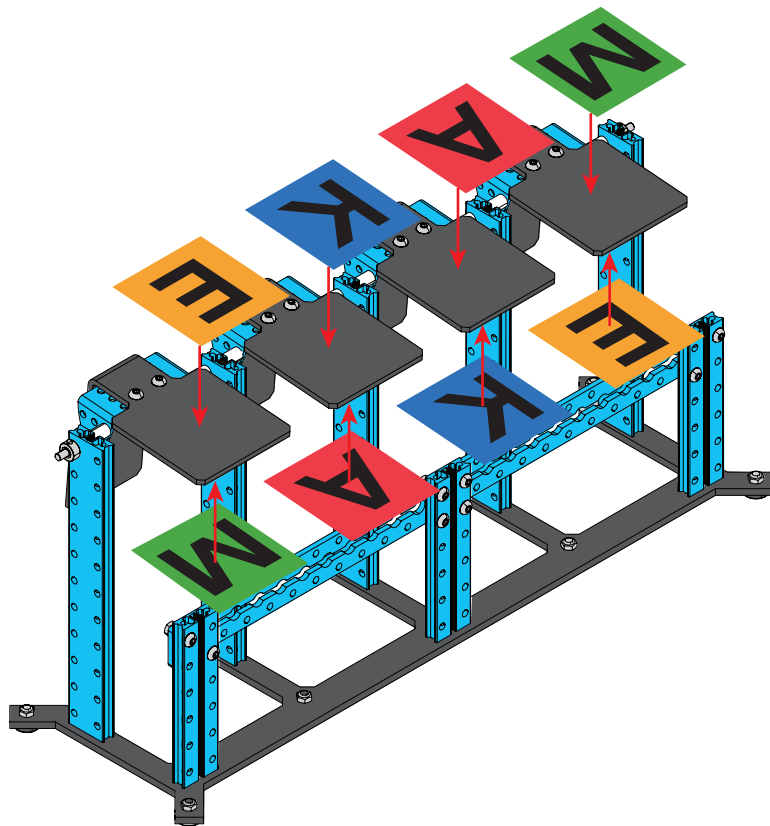
Install the other three structures in the same way, and tighten the headless screws.
以同样的方法安装另外三个同样的结构体,并拧紧无头螺丝。



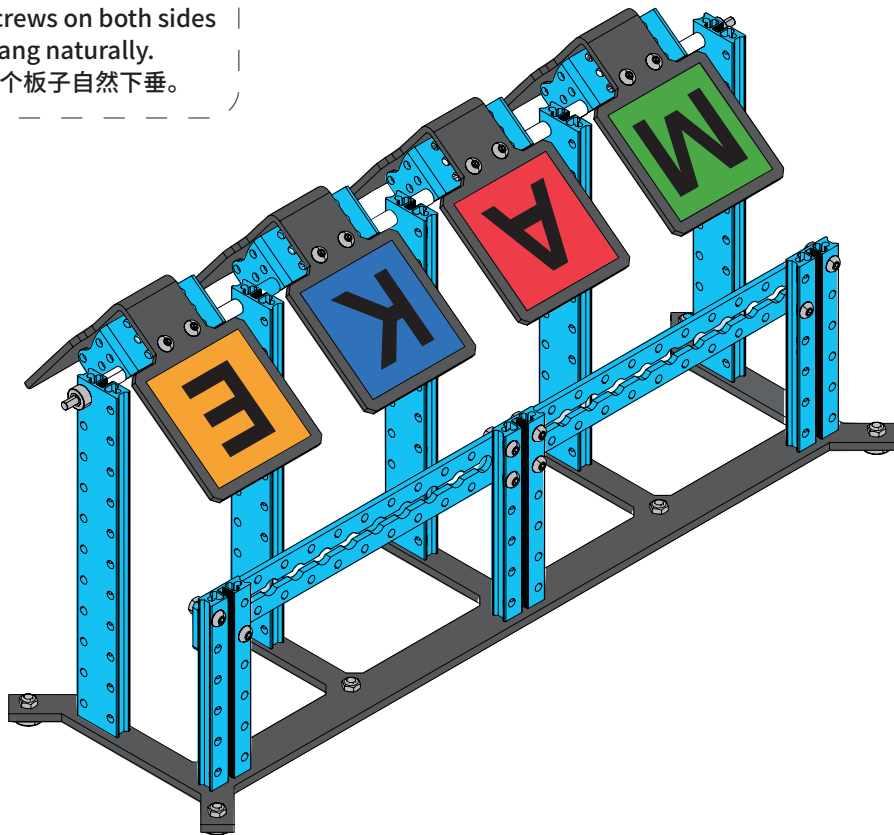
S08 Assembly S08 搭建

1×  P75





Stick stickers on the top and bottom of the board in the order of “M A K E”.
将贴纸按照“M A K E”的顺序贴在板子的上方和底面。

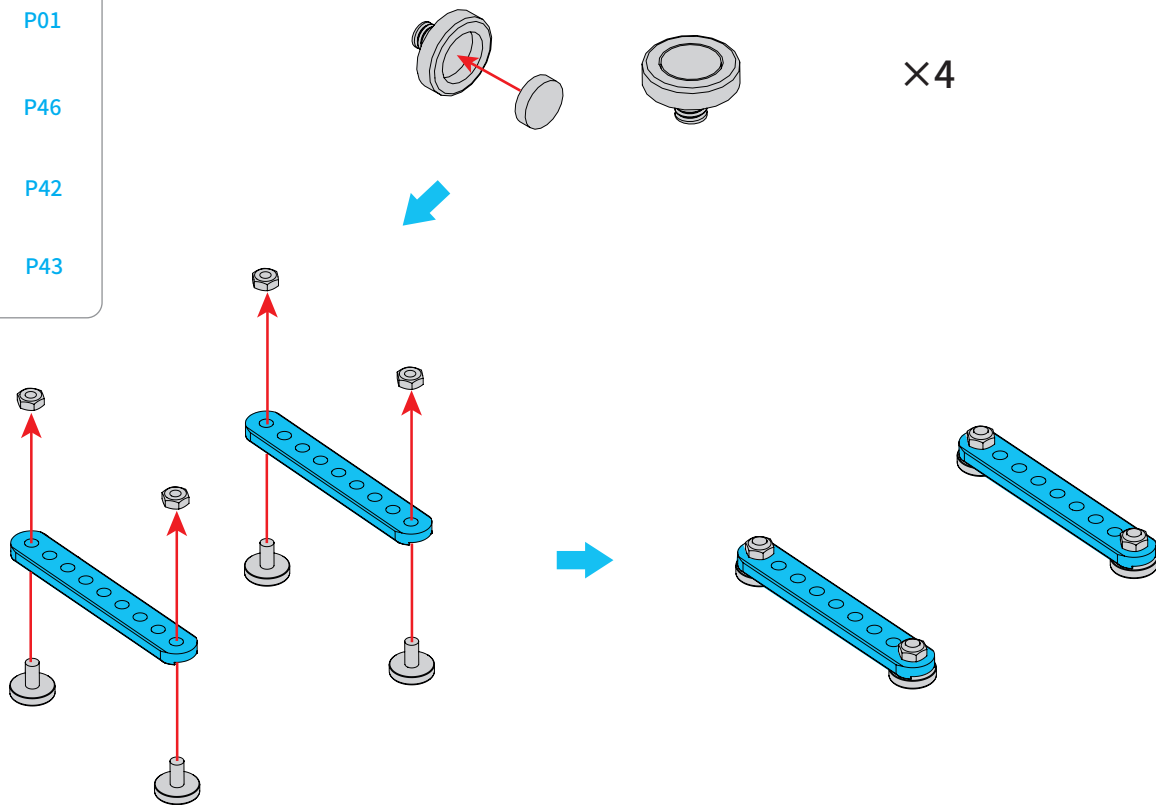


Adjust the tightness of the screws on both sides to allow the four boards to hang naturally.
通过调节两侧螺丝松紧,使四个板子自然下垂。



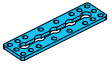


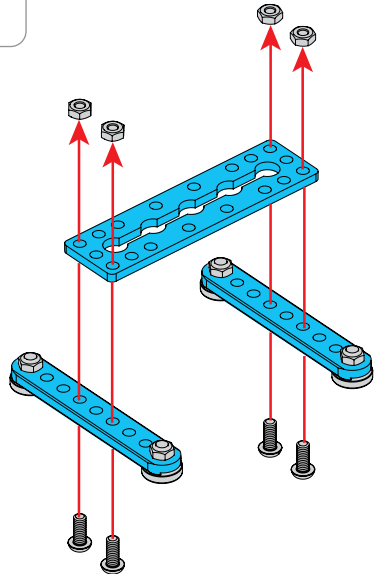
S09 Assembly S09 搭建

- 2X  P01
- 4X  P46
- 4X  P42
- 4X  P43

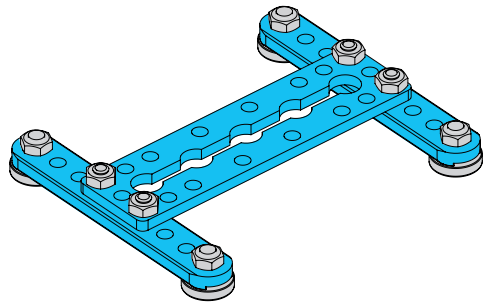


S09 Assembly S09 搭建

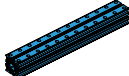

- 4 ×  P49
- 4 ×  P46
- 1 ×  P25

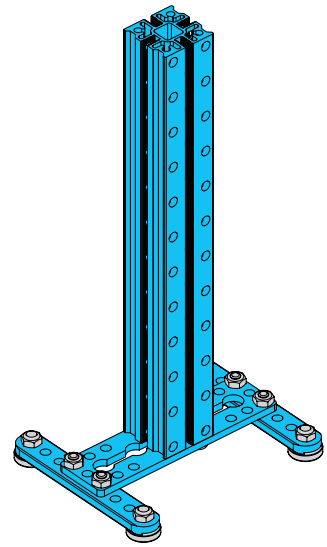
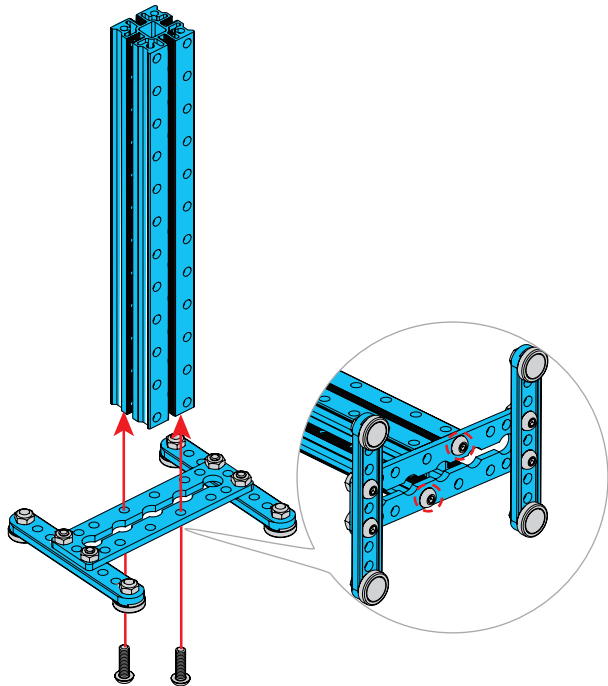


M4*10







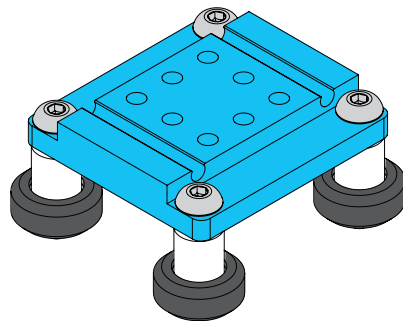
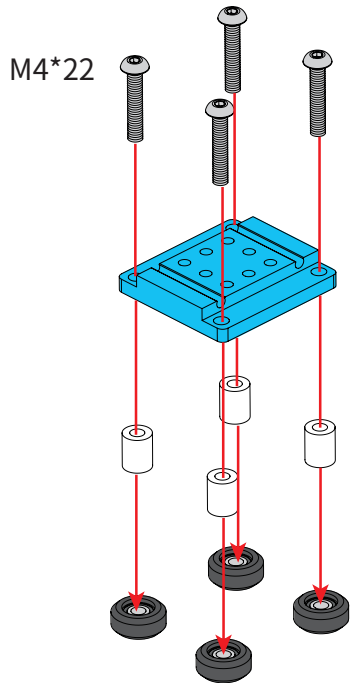
S09 Assembly S09 搭建

1×  P12 2×  P48



S09 Assembly S09 搭建

- 1X  P35
- 4X  P51
- 4X  P55
- 4X  P66



S09 Assembly S09 搭建

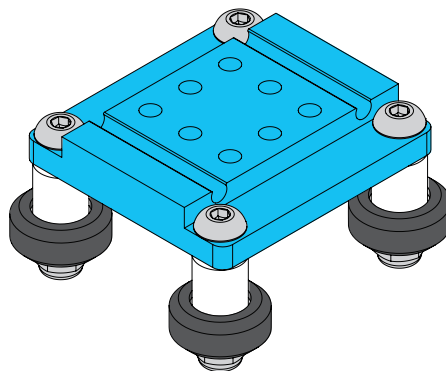
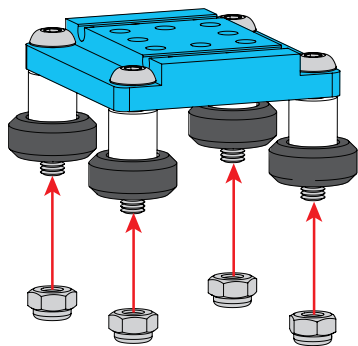
4×





P47

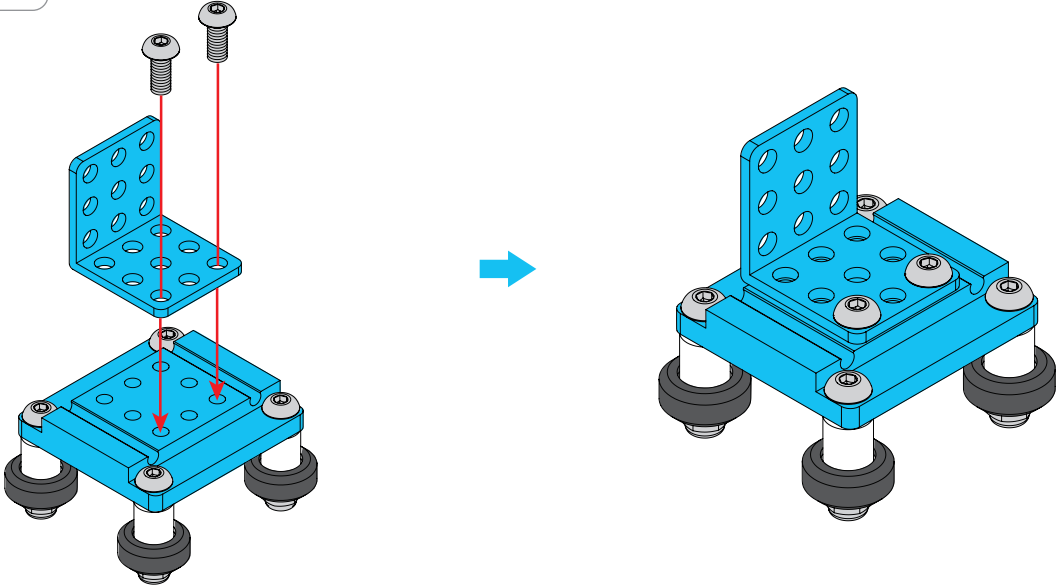
Do not fully tighten the nuts.

请不要完全拧紧螺母。



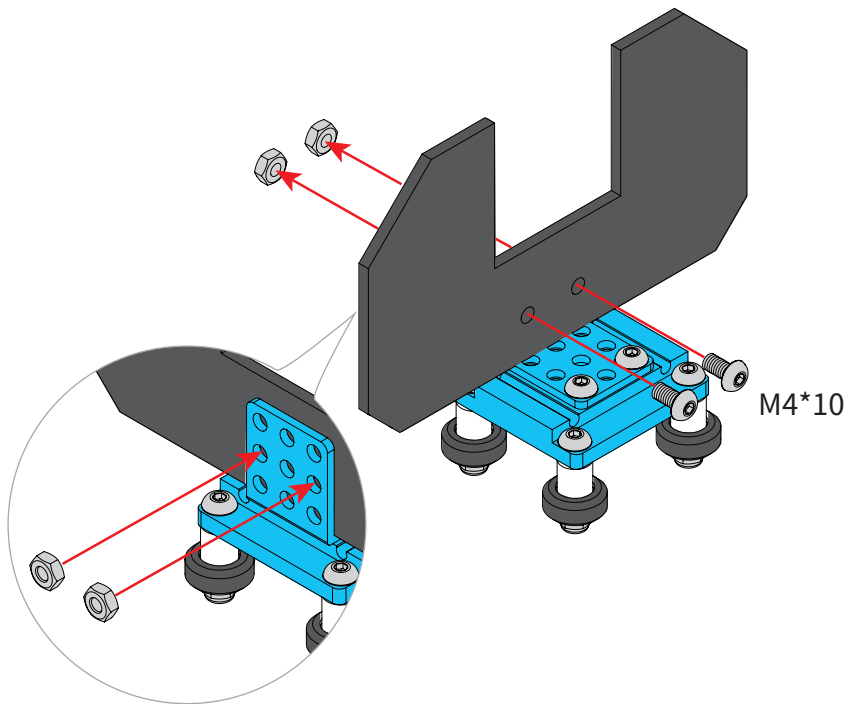
S09Assembly S09 搭建

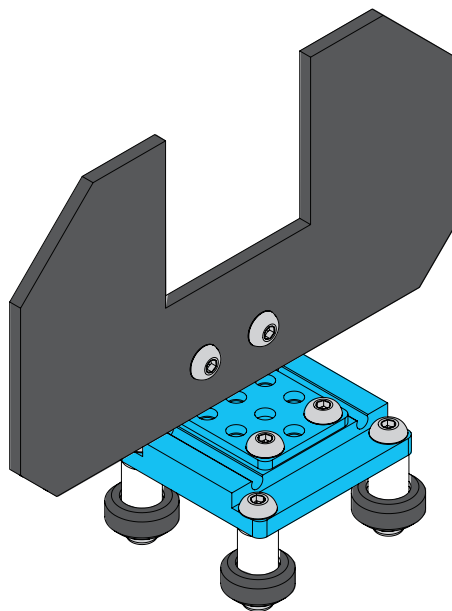
- 2×  P48
- 1×  P61



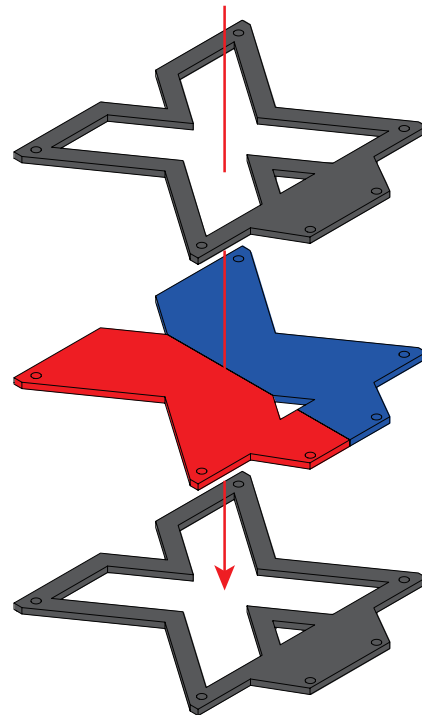
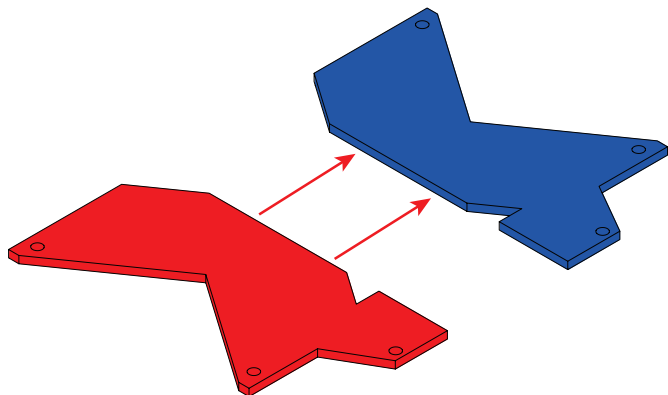
S09 Assembly S09 搭建

- 1×  P17
- 2×  P49
- 2×  P47





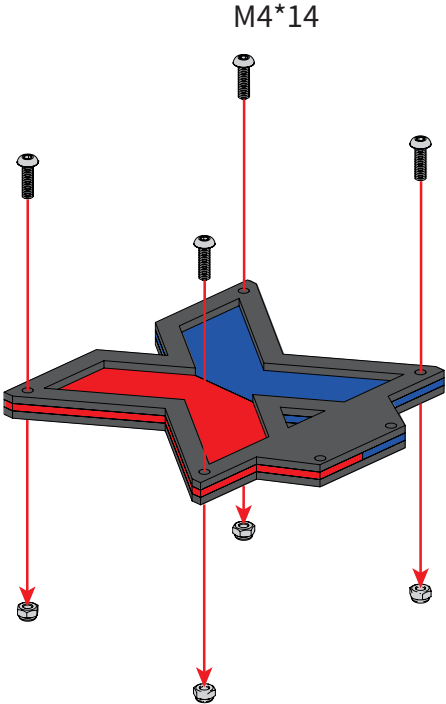
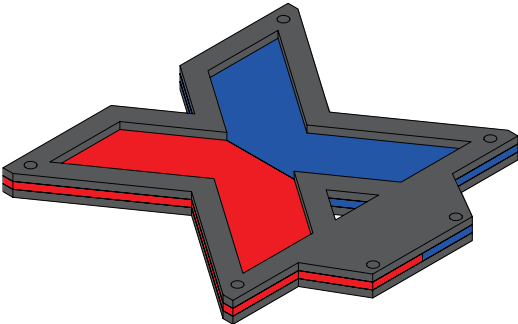


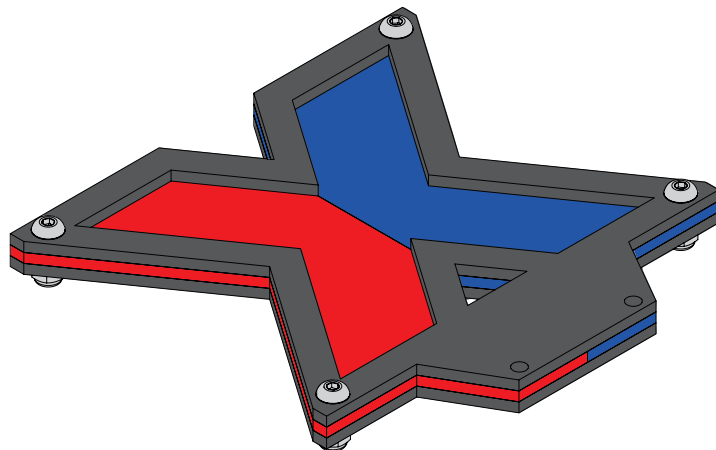
1X		P22	2X		P21
1X		P23			



S09 Assembly S09 搭建

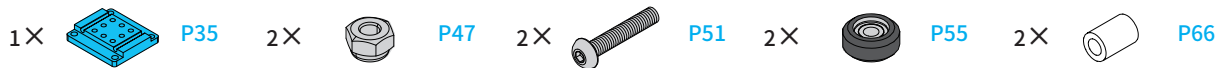
- 4×  P50
- 4×  P47





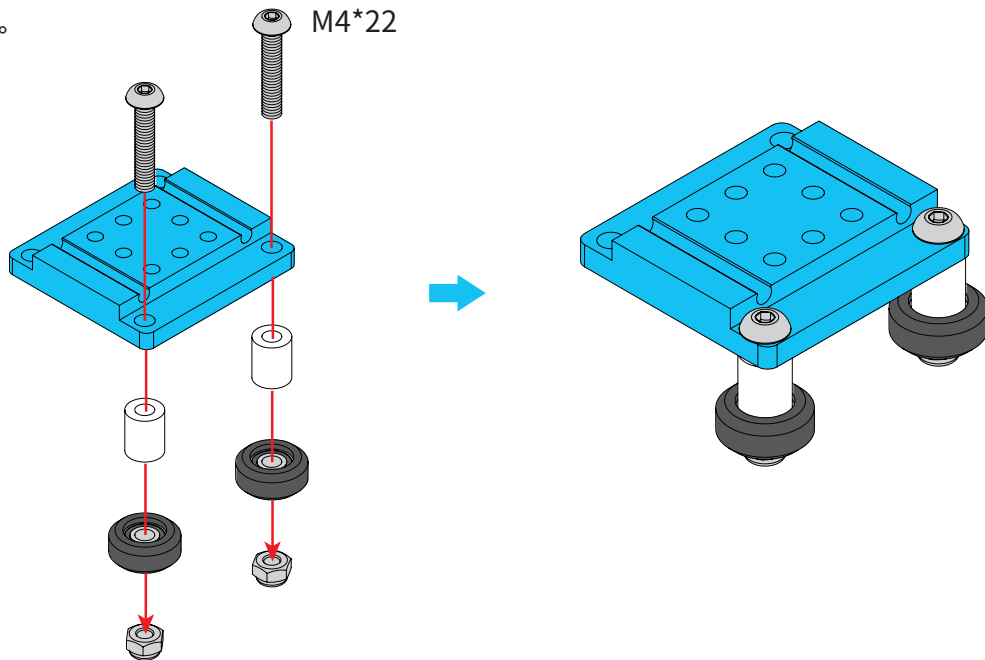
S09 Assembly S09 搭建

95



Do not fully tighten the nuts.

请不要完全拧紧螺母。



S09 Assembly S09 搭建

2×



P47

2×



P52

2×



P55

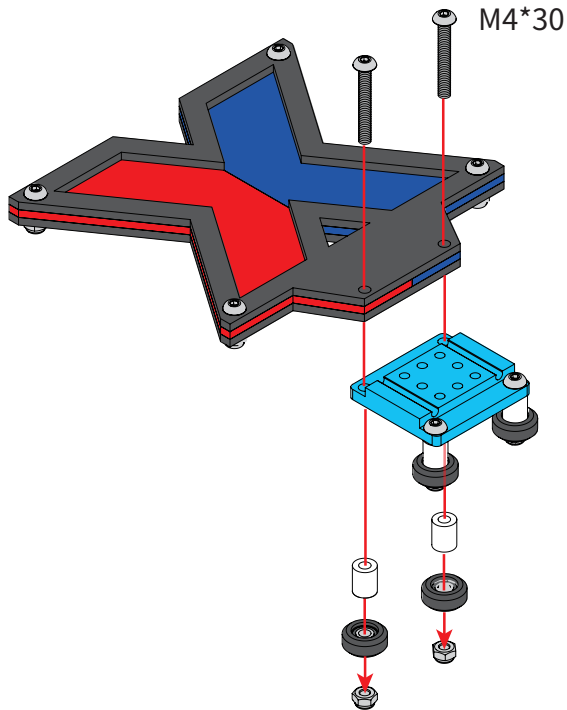
2×

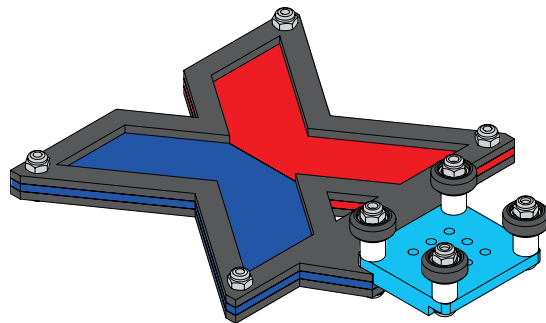
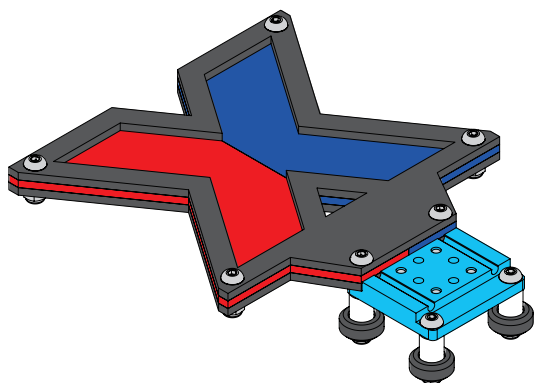


P66

Do not fully tighten the nuts.

请不要完全拧紧螺母。





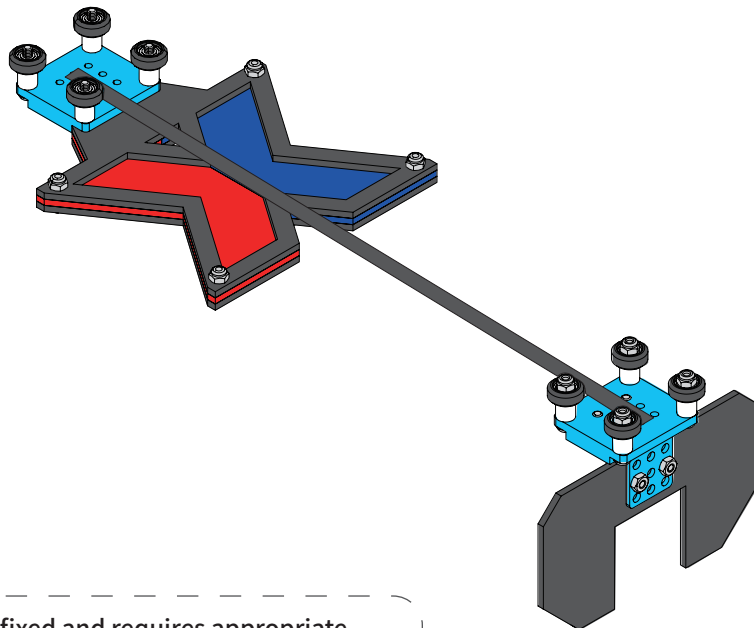
S09 Assembly S09 搭建

1×




P71

Measure 32 cm from the belt and cut it off.
从同步带上量取 32 厘米并剪下。

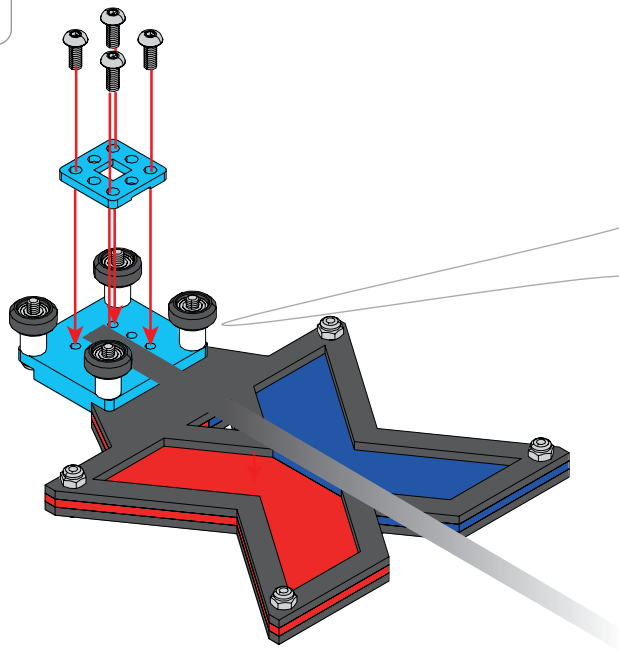


The length of the belt is not entirely fixed and requires appropriate adjustments based on actual conditions during subsequent installation.
同步带的长度并非完全固定,需在后续安装过程中根据实际情况进行适当调整。

S09 Assembly S09 搭建

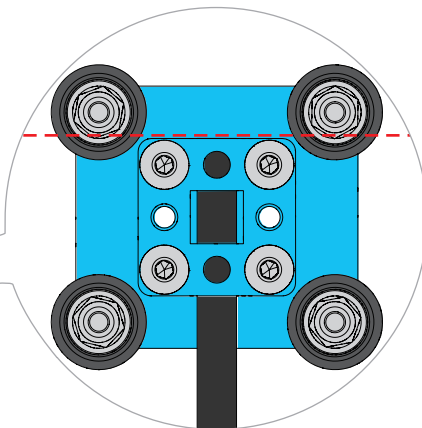
1×  P34

4×  P48



When installing the belt, both ends of the belt should be flush with the edges of the fixing plate.

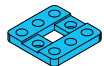
安装皮带时，皮带两端需要与固定片的边缘平齐。



S09 Assembly S09 搭建

100

1×

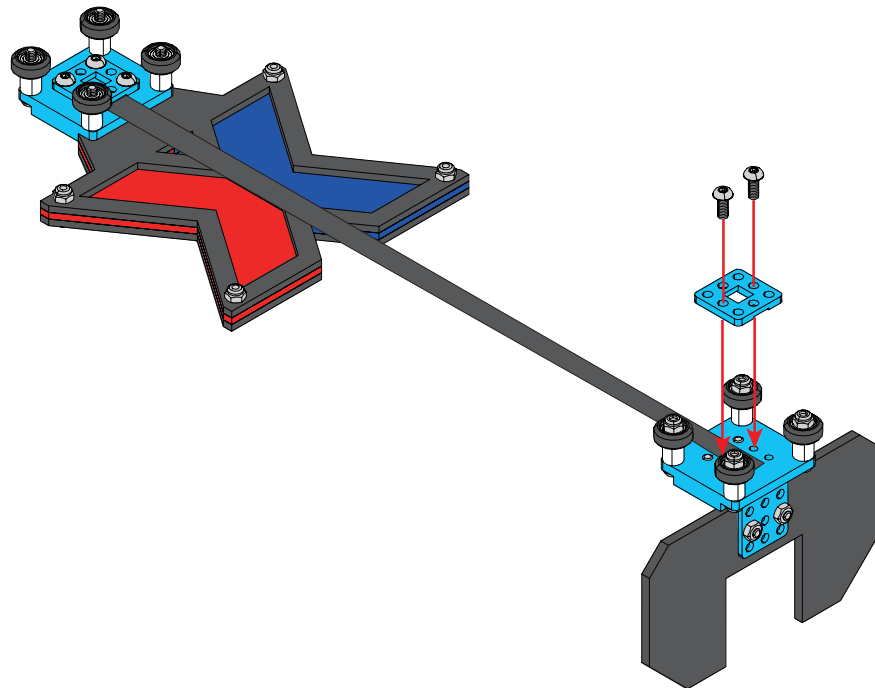


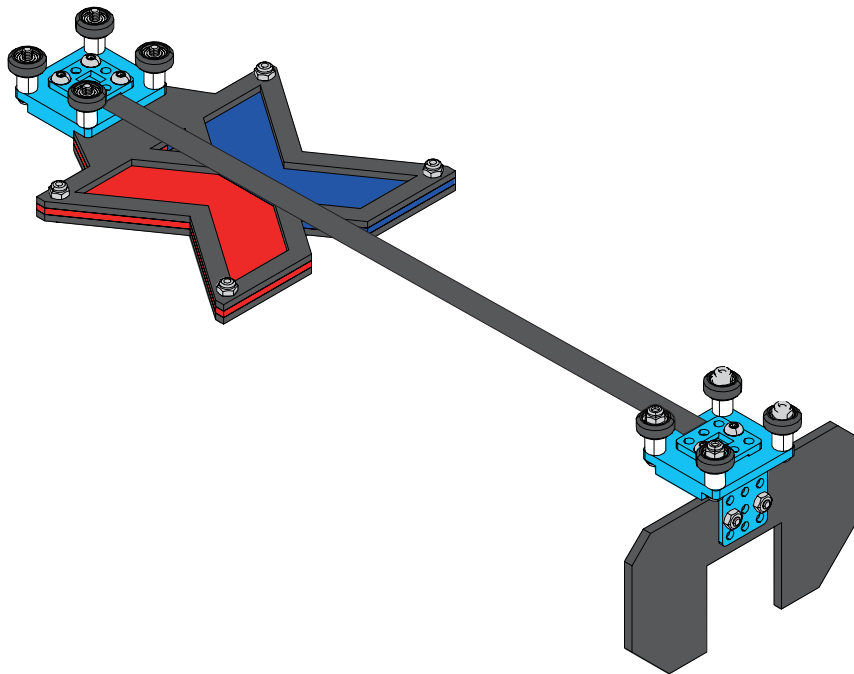
P34

2×



P48

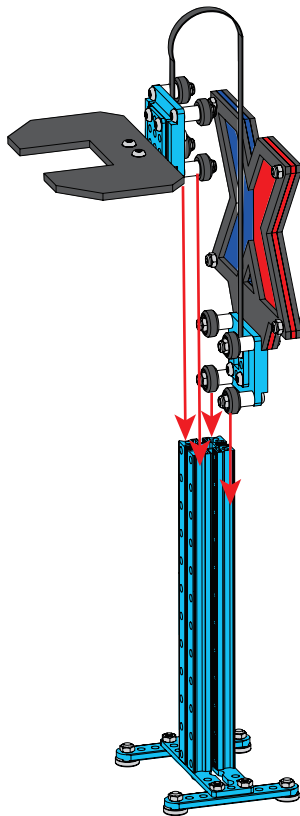




S09 Assembly S09 搭建

Install rollers along the two tracks on the sides of the square beam, and adjust the tightness of the nuts to ensure smoother sliding on both sides.

沿方形梁侧边的两条轨道安装滑轮,并通过调节螺母松紧,使左右两侧的小车滑动更加顺畅。



S09 Assembly S09 搭建

1×

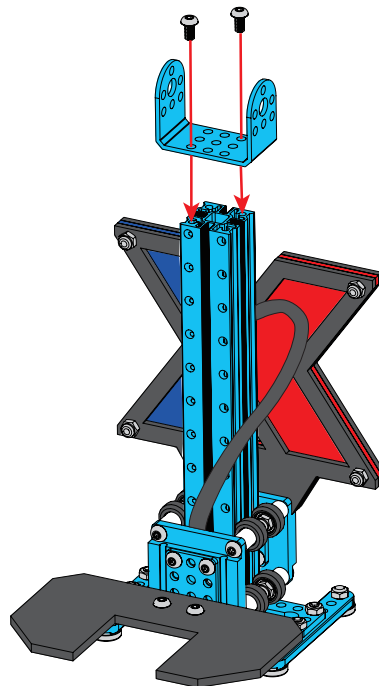
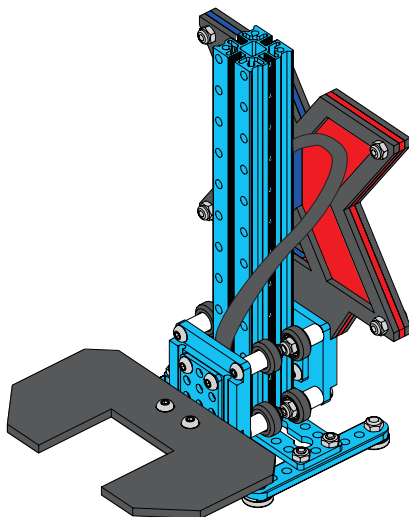


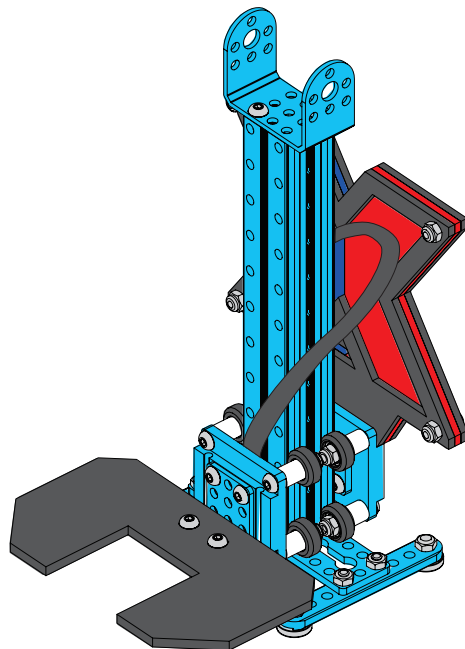
P30

2×






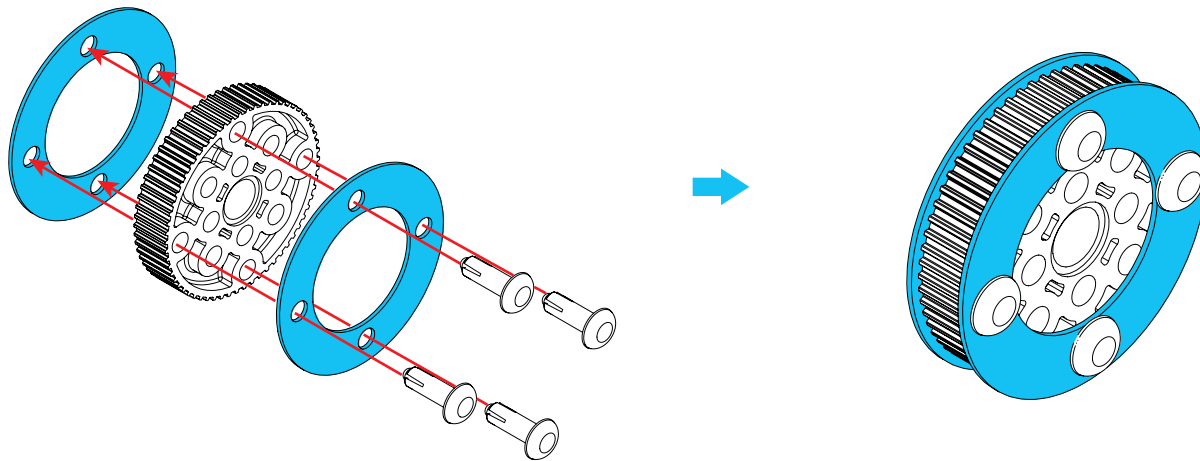
P48








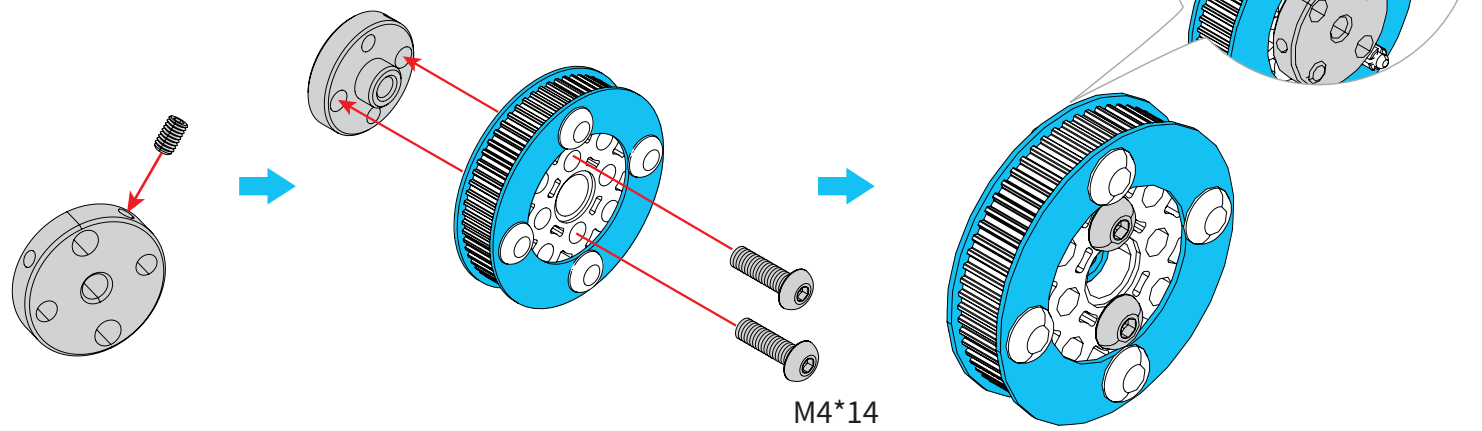
S09 Assembly S09 搭建

- 4×  P65
- 2×  P69
- 1×  P70


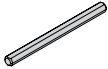


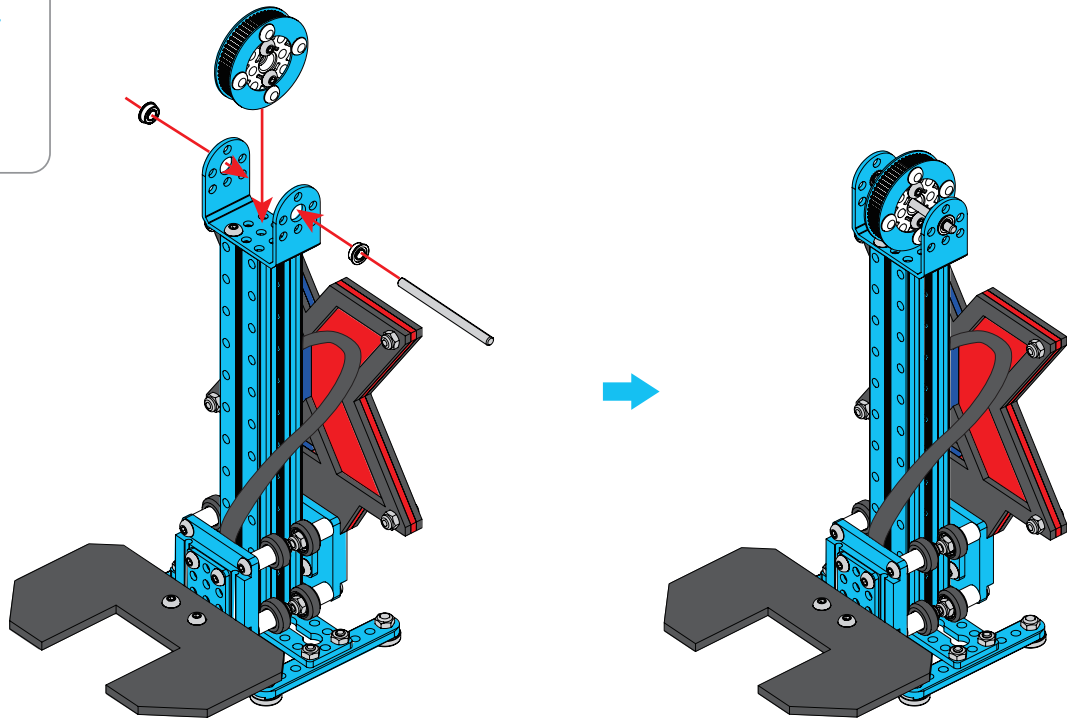
S09 Assembly S09 搭建

- 1×  P53
- 1×  P44
- 2×  P50

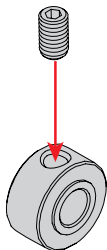


S09 Assembly S09 搭建

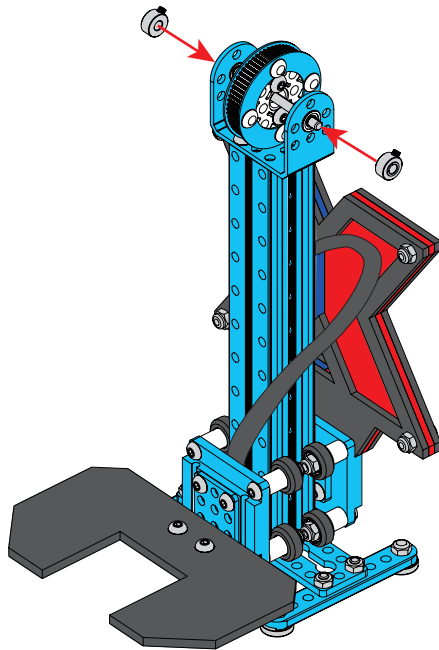
- 2X  P57
- 1X  P62

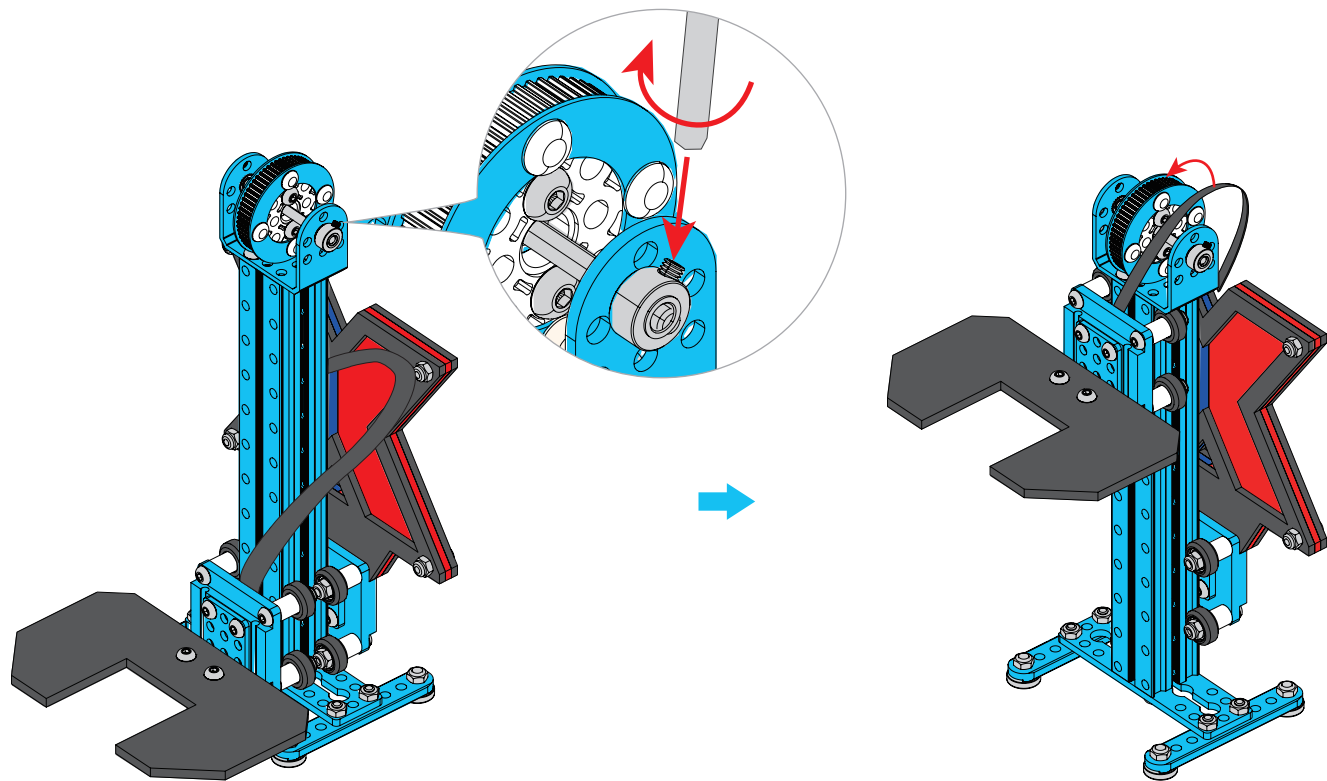


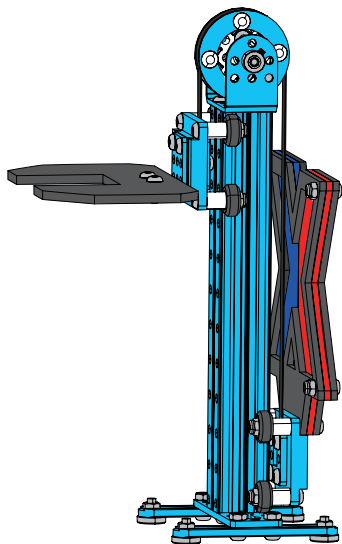
- 2×  P53
- 2×  P54



×2



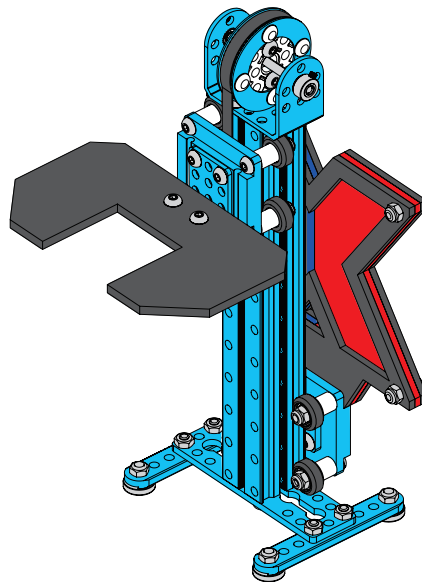




By adjusting the length of the belt and the tightness of the screws, the S09 structure is set to its natural state where one side of the X-shaped plate freely drops to the bottom while the other side elevates to the very top.

通过调节同步带的长度及螺丝松紧,使 S09 结构体在自然状态下, X 型板的一侧自由下落至底部,而另一侧则抬升至最顶部。

Assemble the other structure in the same way.
以同样的方法组装另一个同样的结构体。



×2

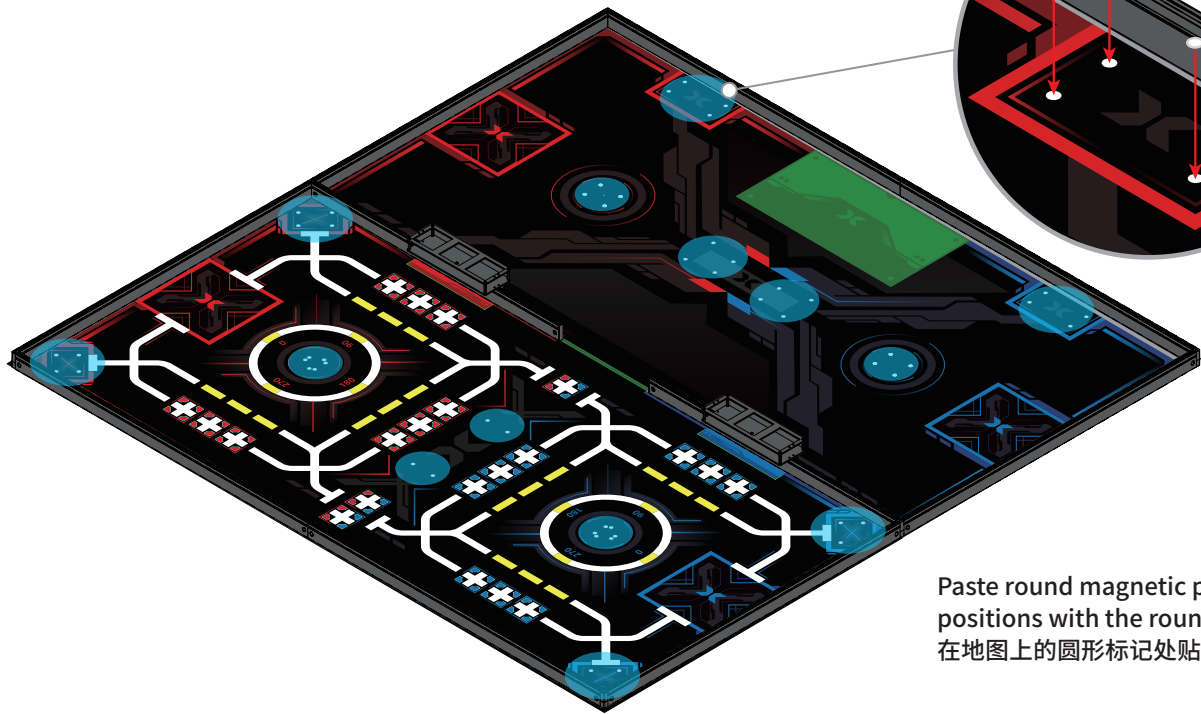
Structures and items placement 结构体和道具摆放

111

60×



P45



Paste round magnetic plates in the positions with the rounded markings.
在地图上的圆形标记处贴上圆形引磁片。

Structures and items placement 结构体和道具摆放

112

The placement of the parts is for reference only. Find details in the mission description.

道具摆放位置可参考下图,具体以比赛任务说明为准。



MAKE X