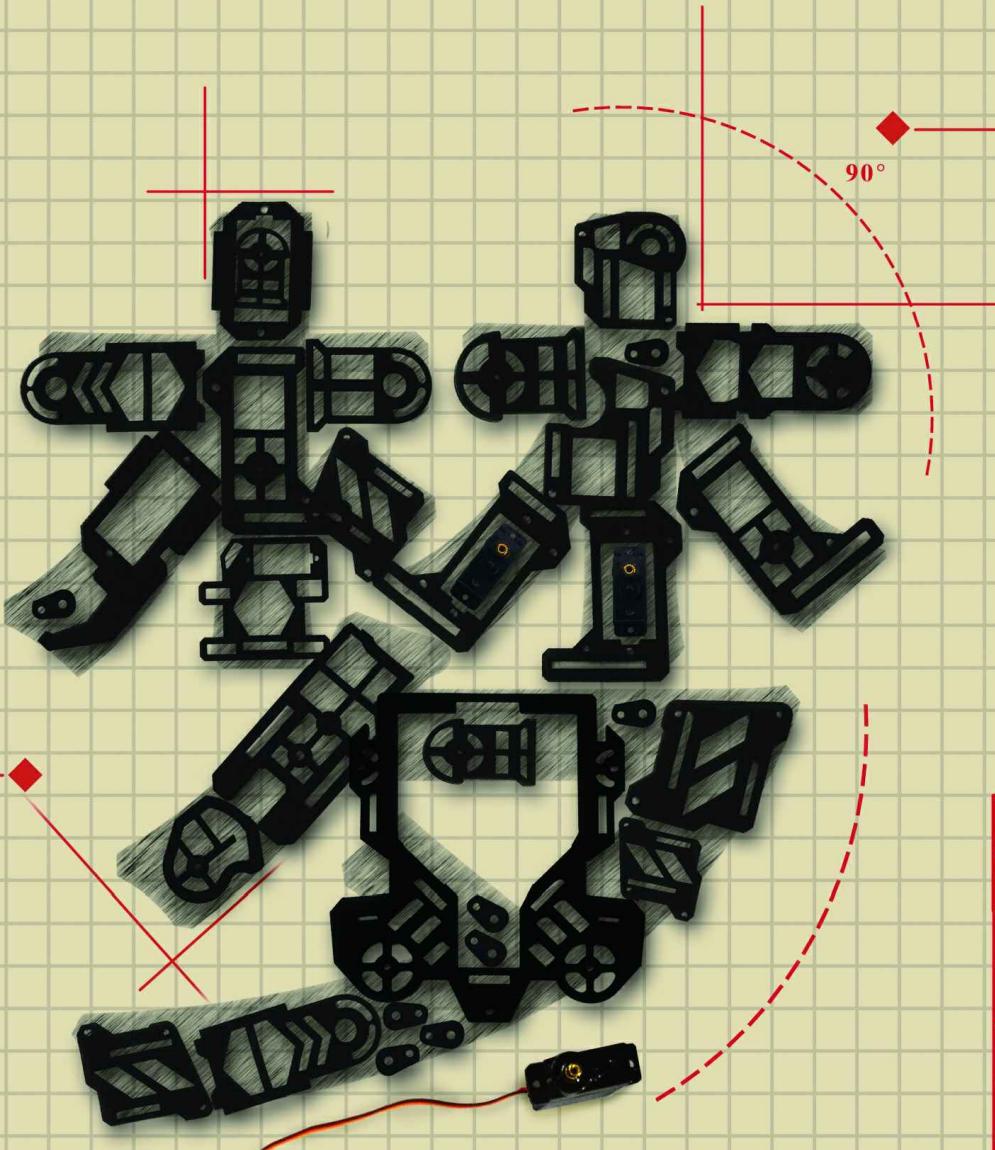


440 組裝教程

自己親自把機器人組裝出來



或許我們的機器人并不是最完美。

可是我們的機器人却可以讓
你學會如何製造機器人。

給予自己的機器人編寫程序

實現你的機器人夢想

最後完成屬於自己的可動機器人



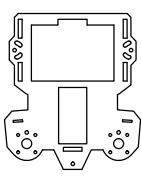
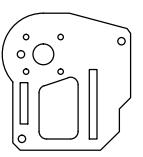
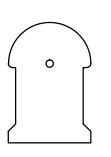
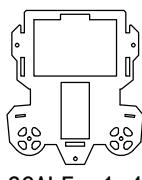
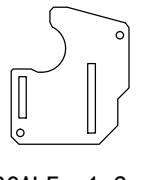
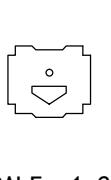
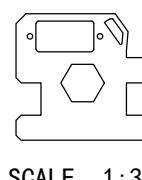
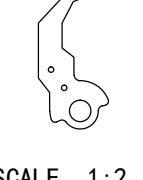
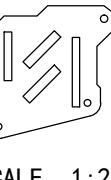
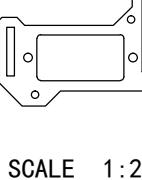
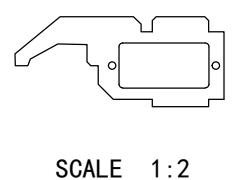
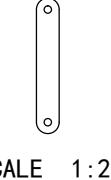
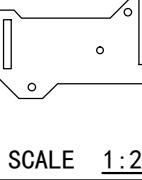
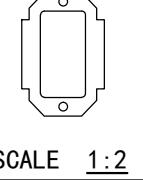
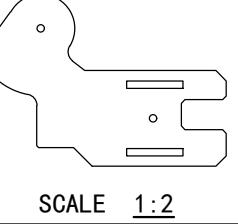
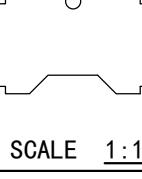
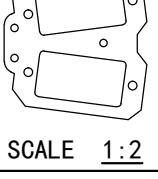
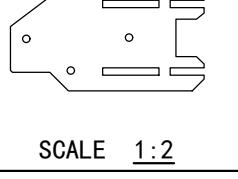
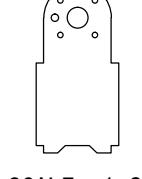
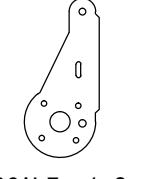
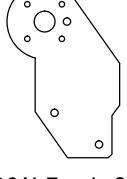
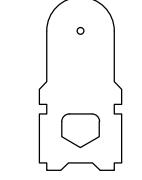
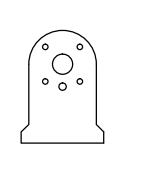
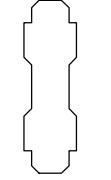
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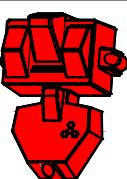
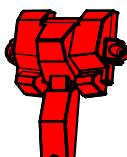
骨架明细表

FRAME

NO.	PARTS	pcs	NO.	PARTS	pcs	NO.	PARTS	pcs
1		1	9		2	17		2
2		1	10		2	18		4
3		2	11		2	19		8
4		2	12		4	20		10
5		2	13		8	21		2
6		2	14		4	22		2
7		2	15		4	23		2
8		2	16		2	24		1

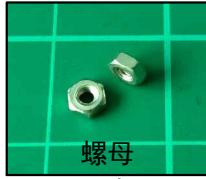
外壳明细表

SHELL

NO.	PARTS	pcs	NO.	PARTS	pcs	NO.	PARTS	pcs
25		1	33		2			
	SCALE 1:4			SCALE 1:4				
26		1	34		1			
	SCALE 1:4			SCALE 1:2				
27		1	35		1			
	SCALE 1:4			SCALE 1:2				
28		1						
	SCALE 1:4							
29		1						
	SCALE 1:4							
30		1						
	SCALE 1:4							
31		1						
	SCALE 1:4							
32		2						
	SCALE 1:4							

标准件明细表

STANDARD PARTS

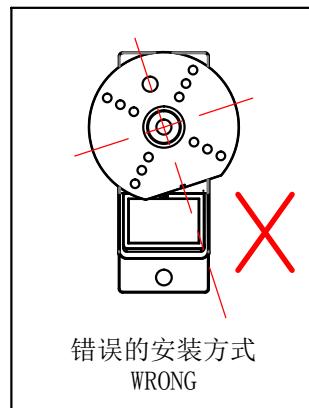
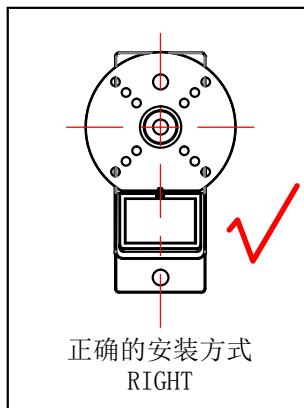
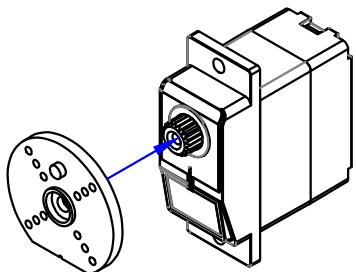
NO.	PARTS	pcs	NO.	PARTS	pcs	NO.	PARTS	pcs
A	 组合螺钉 Screws with washer M2*8	65	I	 螺柱 Pillar M2*10	12			
B	 点胶螺钉 Screws with glue M2*8	45	J	 螺柱 Pillar M2*8+5	6			
C	 螺钉 Screws M2*3.5	16	K	 舵机 Servo 09	14			
D	 螺母 nut M2	25	L	 舵机 Servo 08	2			
E	 自攻螺钉 tapping screws M2.3*5	45	M	 舵盘 Servo pad 09	14			
F	 自攻螺钉 tapping screws M1.4*4.5	75	N	 舵盘 Servo pad 08	2			
G	 螺柱 45° Pillar M2*34	3						
H	 螺柱 15° Pillar M2*18	20						

图例说明 Logo instruction

1-1L	99	A	X1		
步骤序号 Number of step	零件序号 Number of parts	标准零件序号 Standard parts	数量 Quantity	此处可以转动 Here can be rotated	

Attention ! !

All servo pad 09 must be assembled like this.



组装前请不要扭动舵机的输出轴！

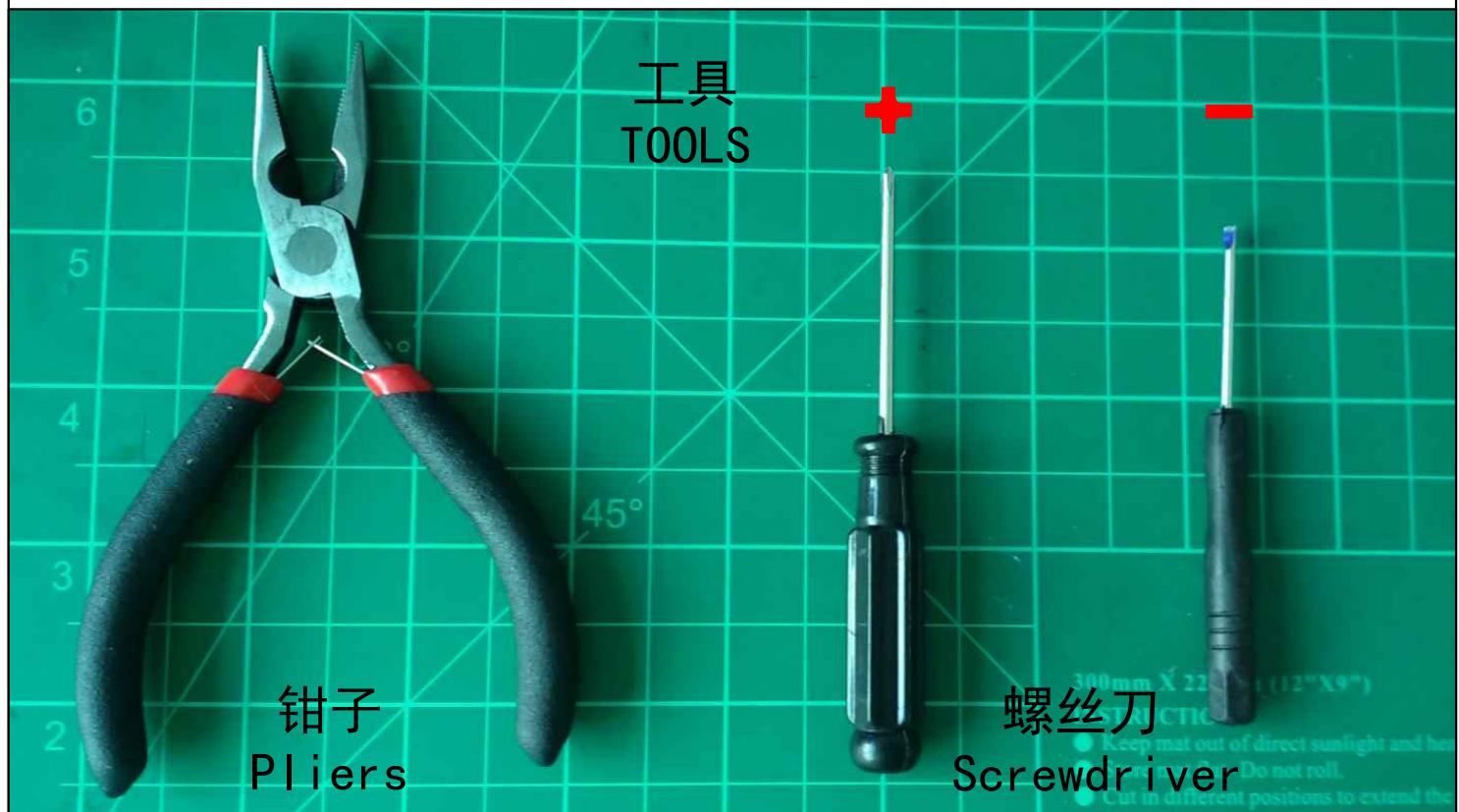
Do not twist the output shaft of servo before assembly!



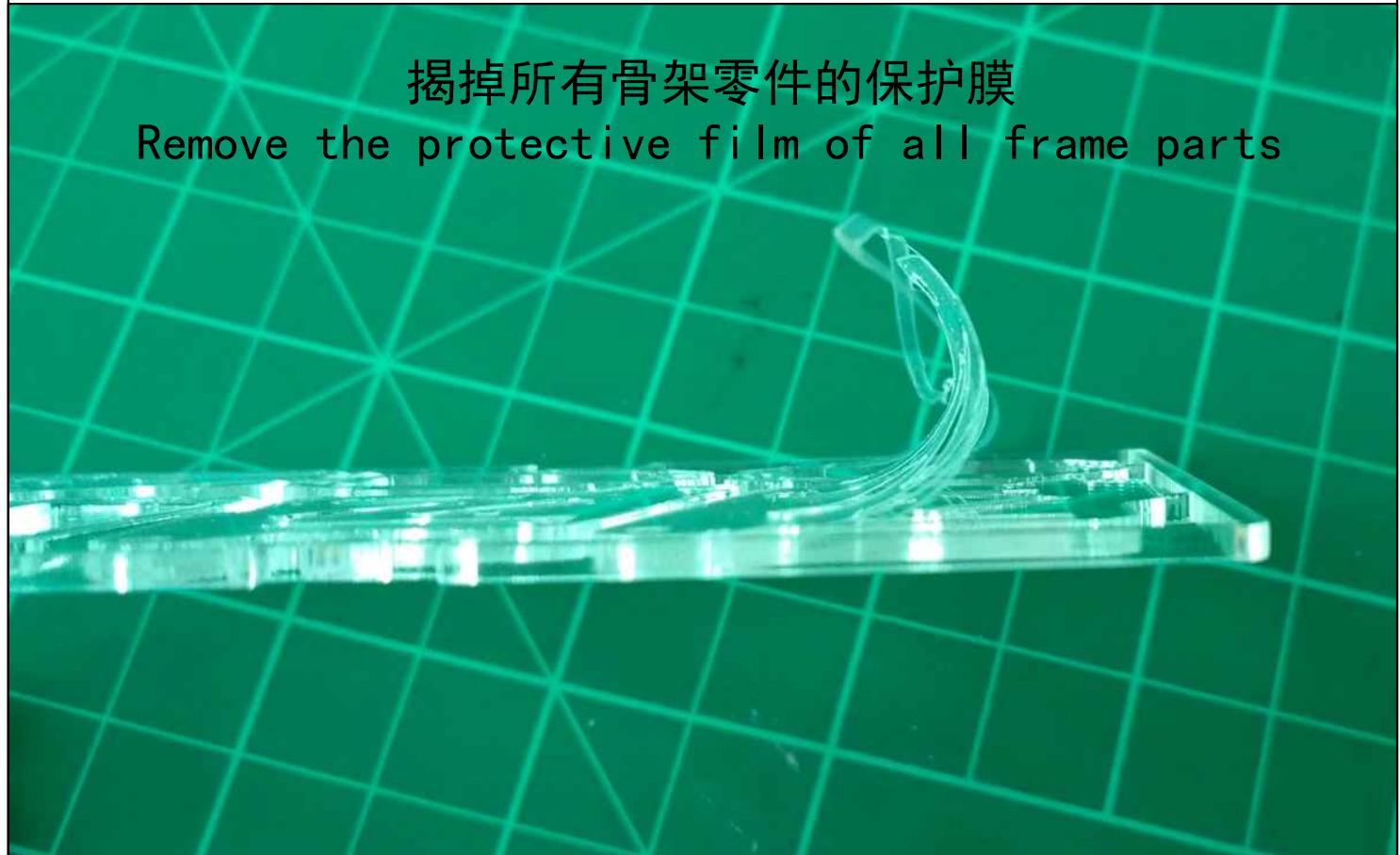
此处可以转动
Here can be rotated

带有这个标志的地方，螺丝请不要拧太紧，应保证被连接的两个零件可以相互转动。
At the logo indicated place, Do not tighten the screws too tight, should ensure
that the two parts are connected to each other can be rotated.

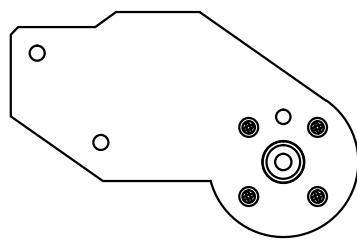
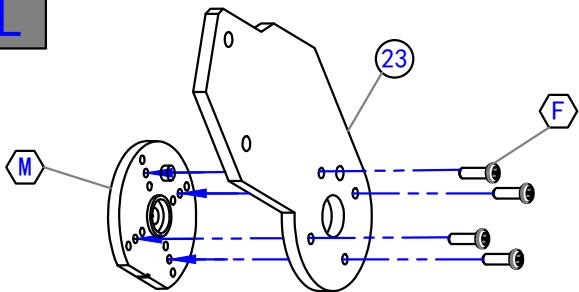
组装准备 ASSEMBLY PREPARATION



揭掉所有骨架零件的保护膜
Remove the protective film of all frame parts

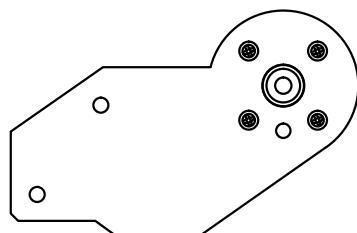
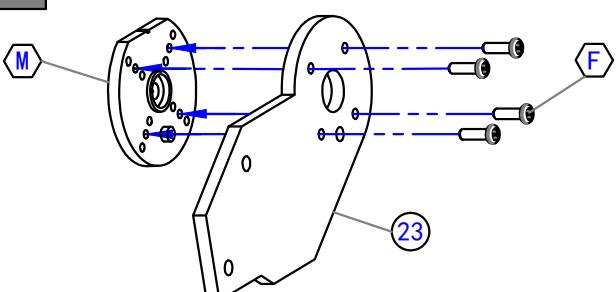


1-1L



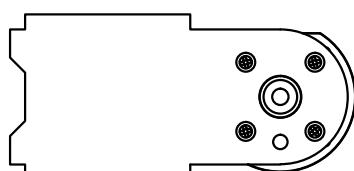
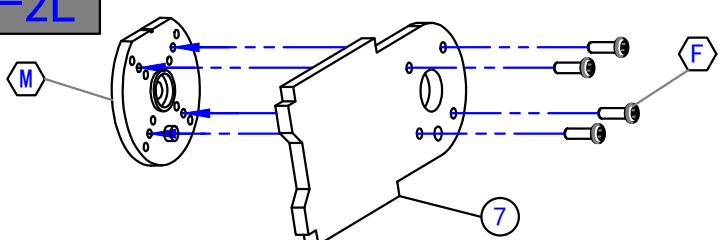
X1

1-1R



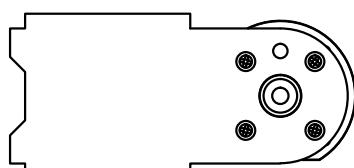
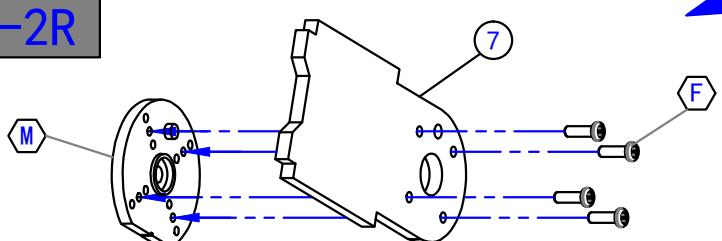
X1

1-2L



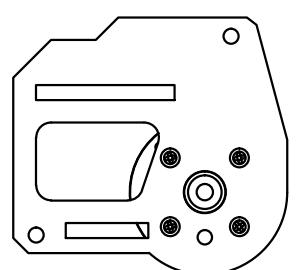
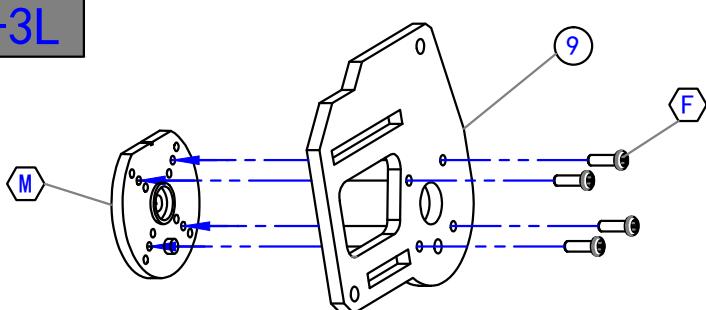
X1

1-2R



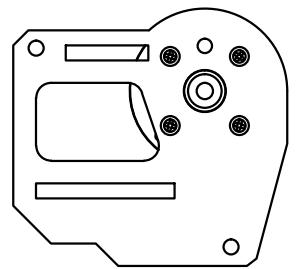
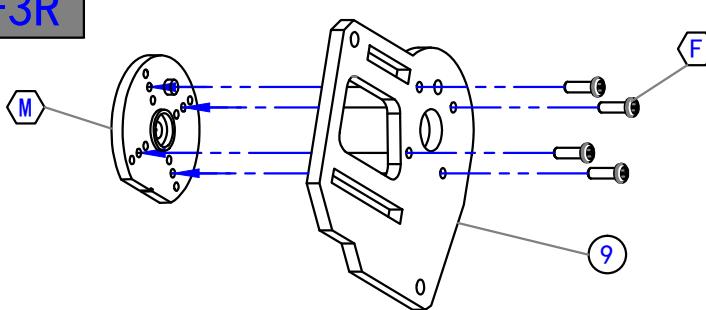
X1

1-3L

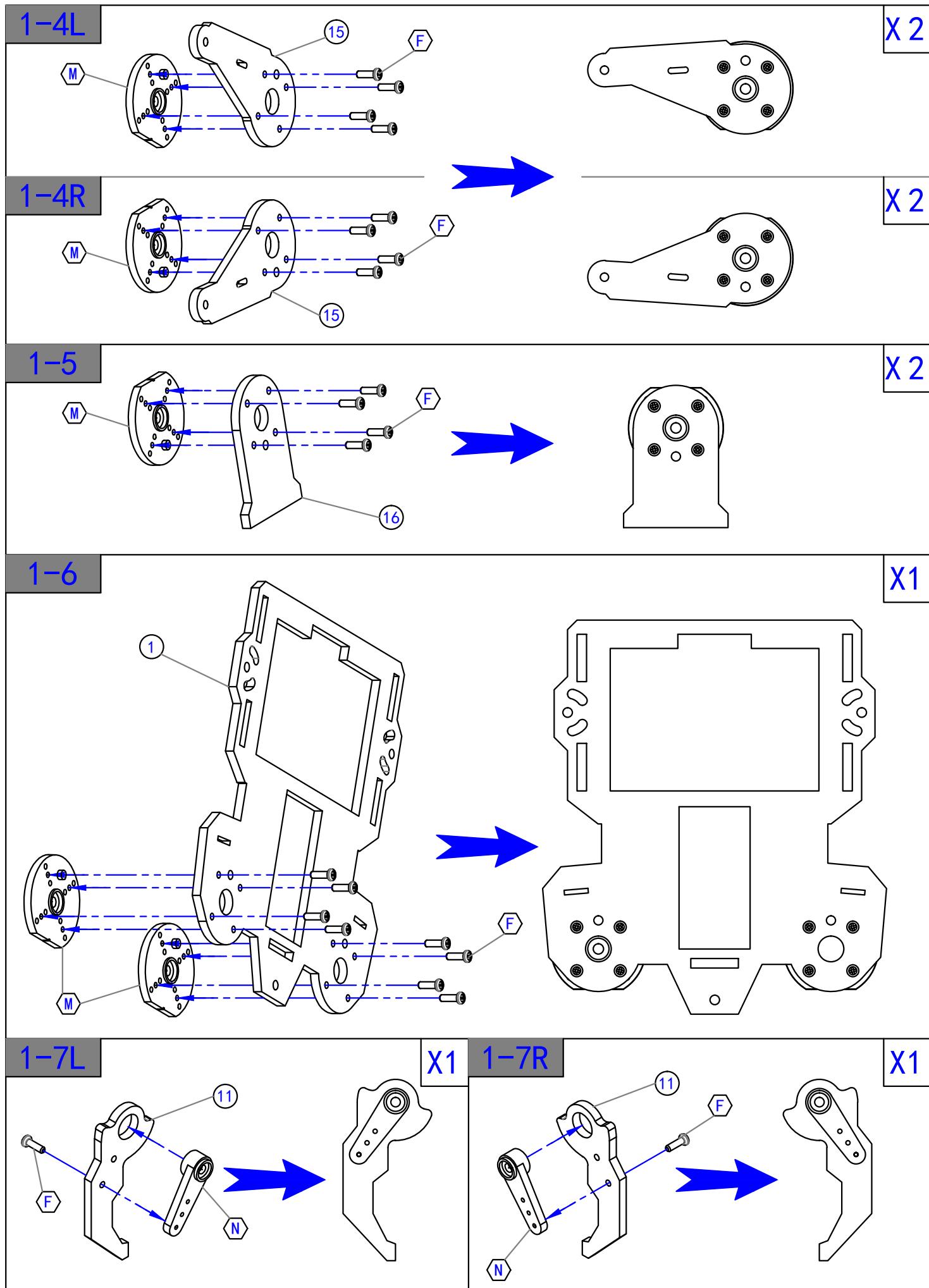


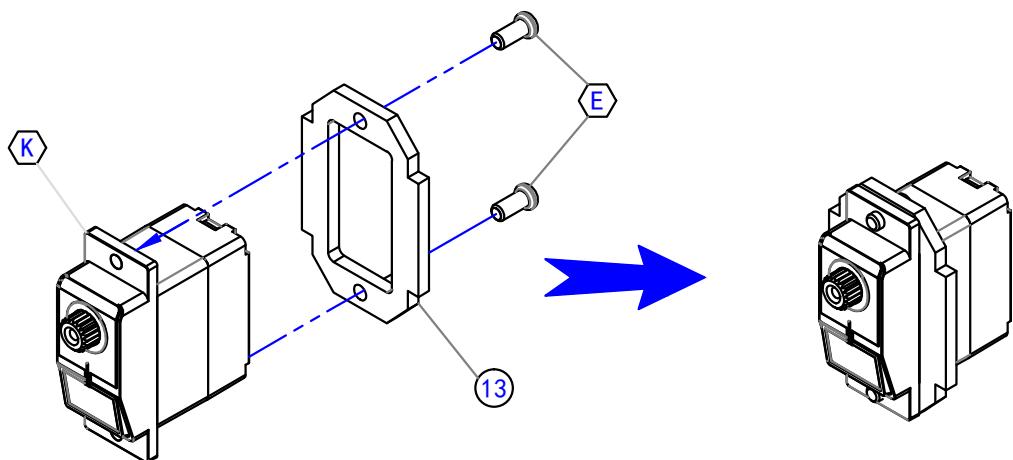
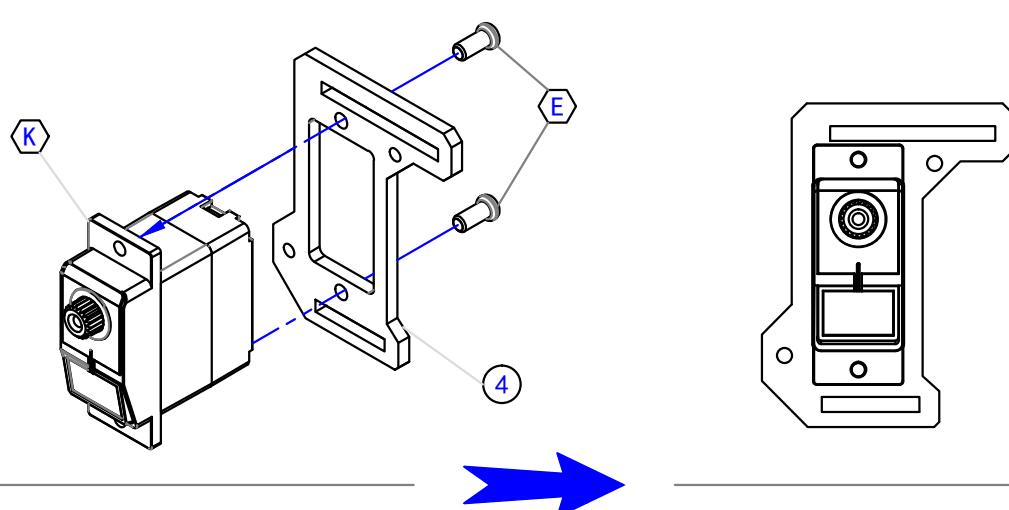
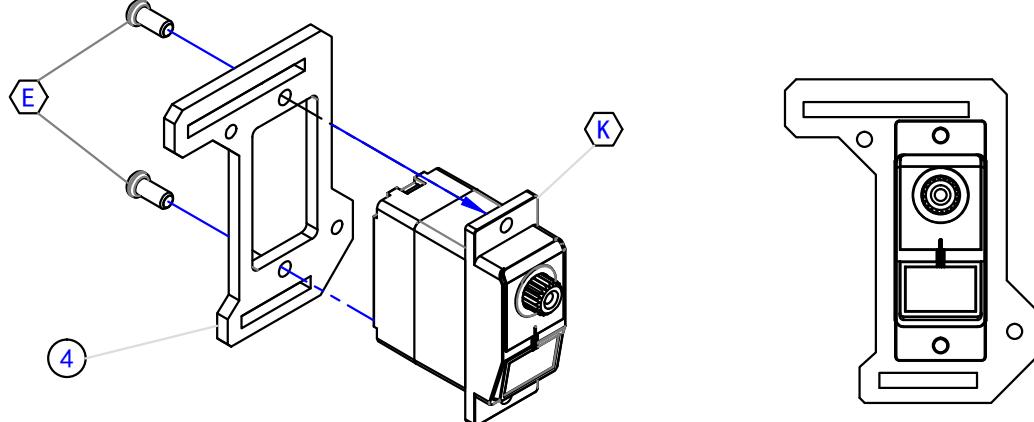
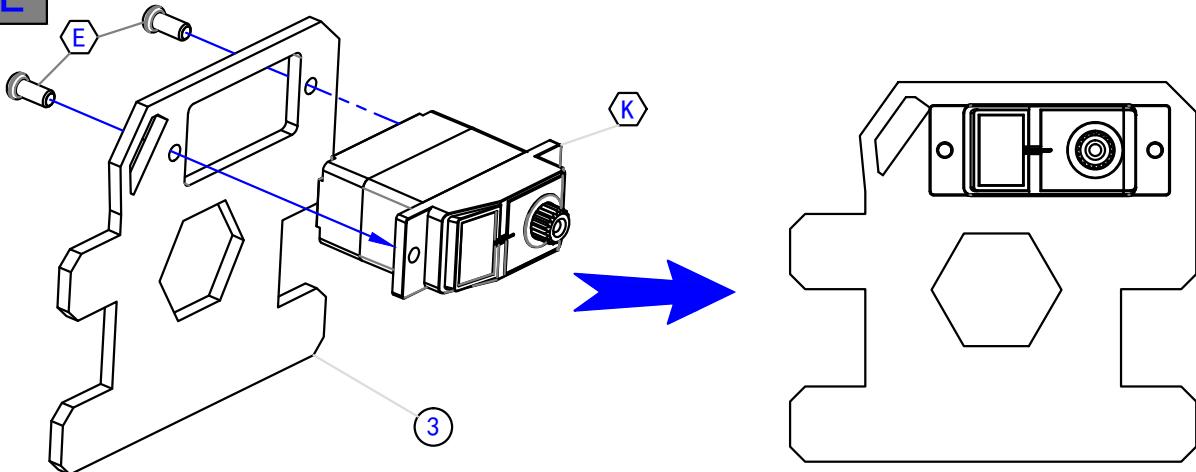
X1

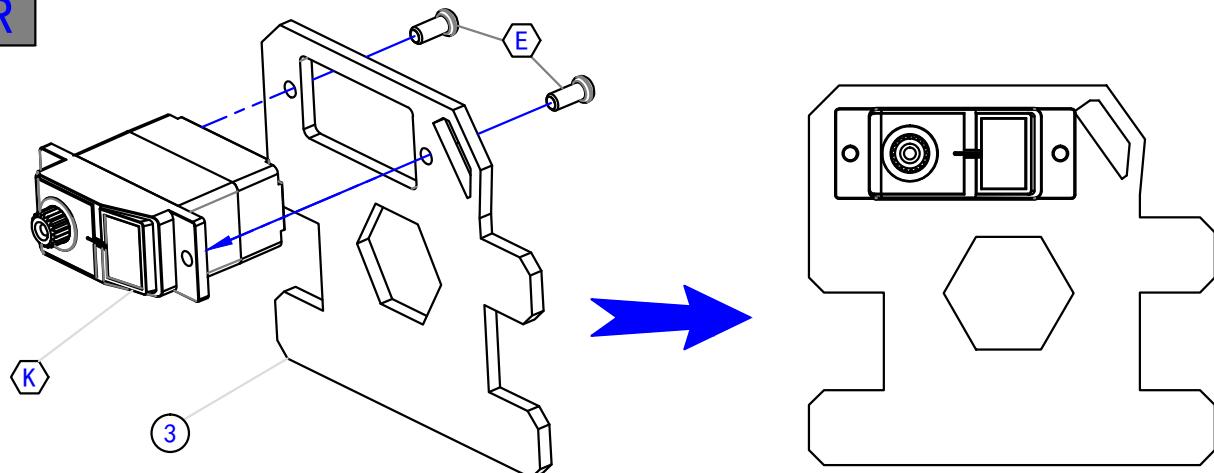
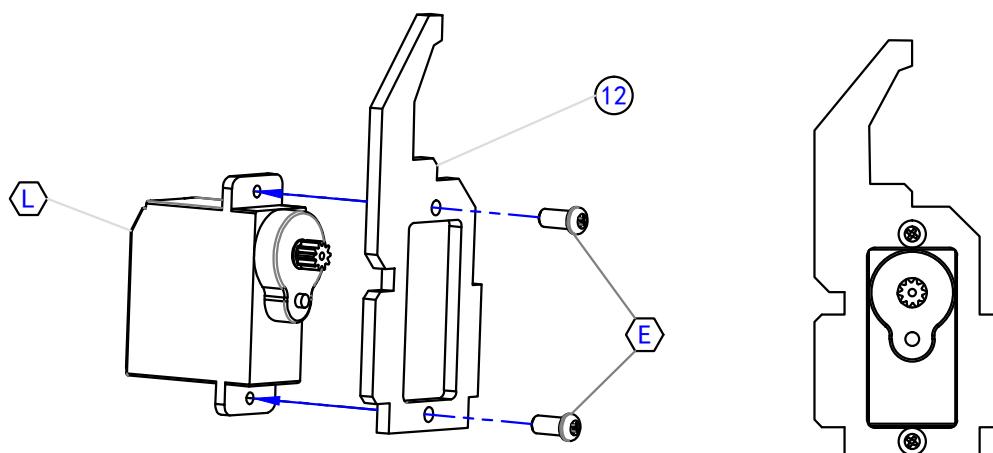
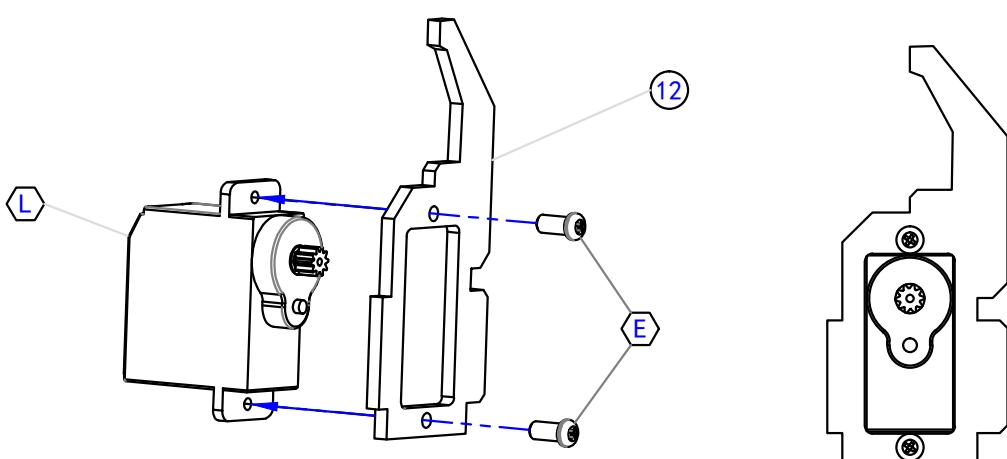
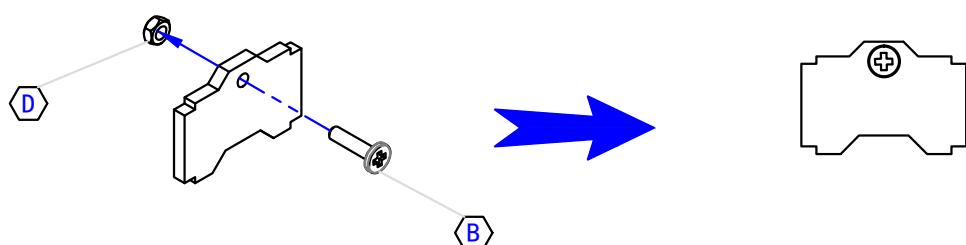
1-3R

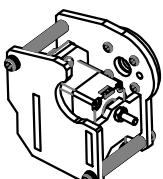
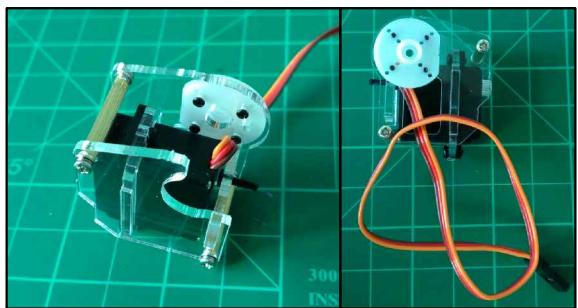
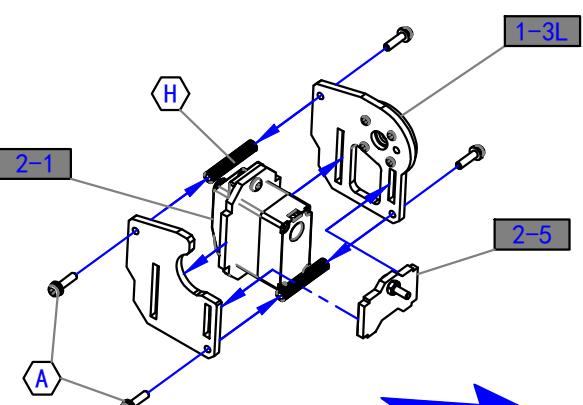
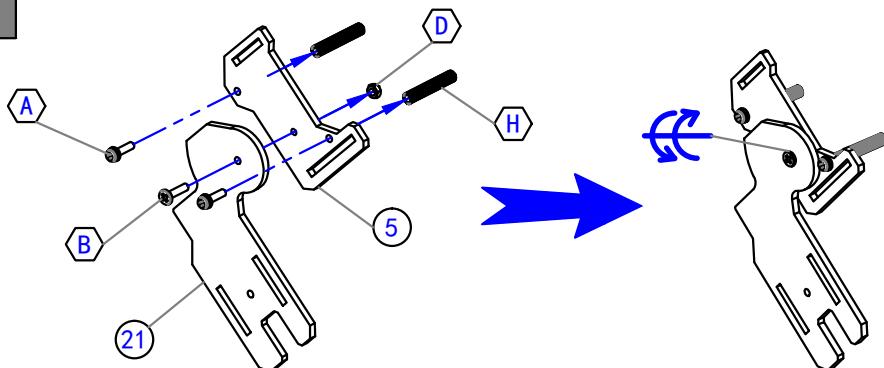
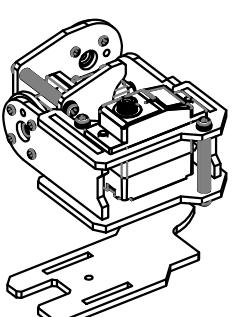
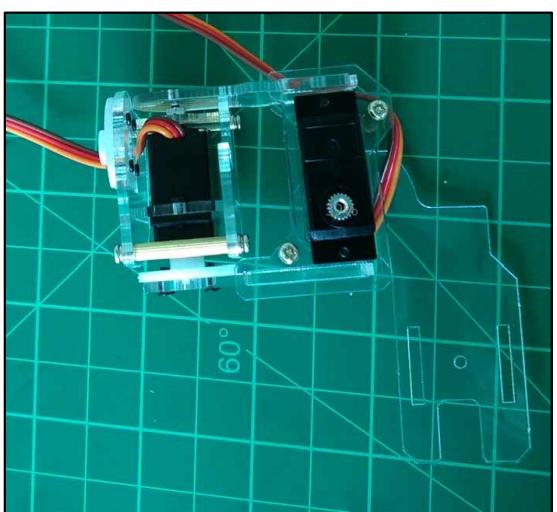
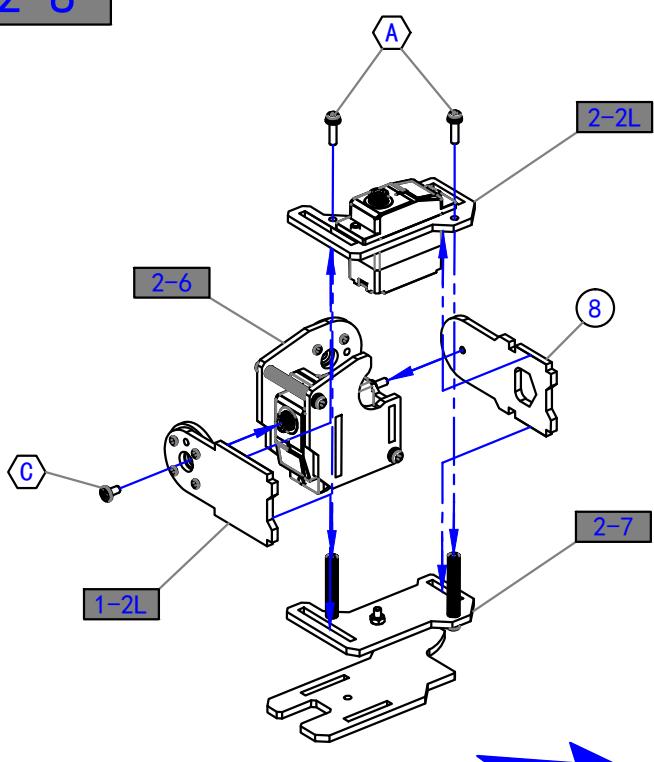


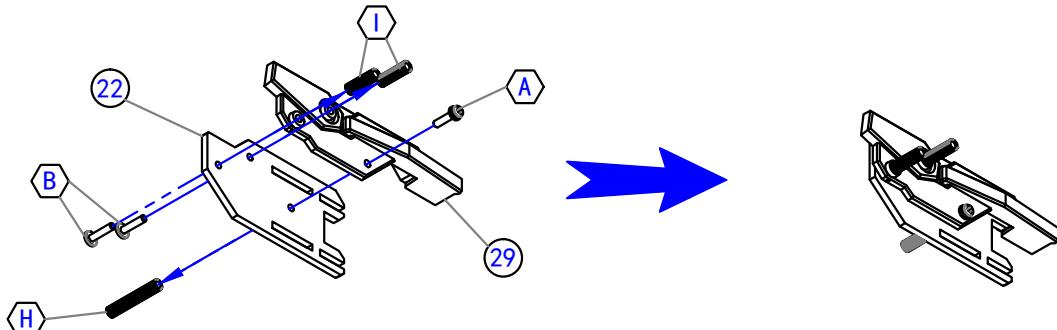
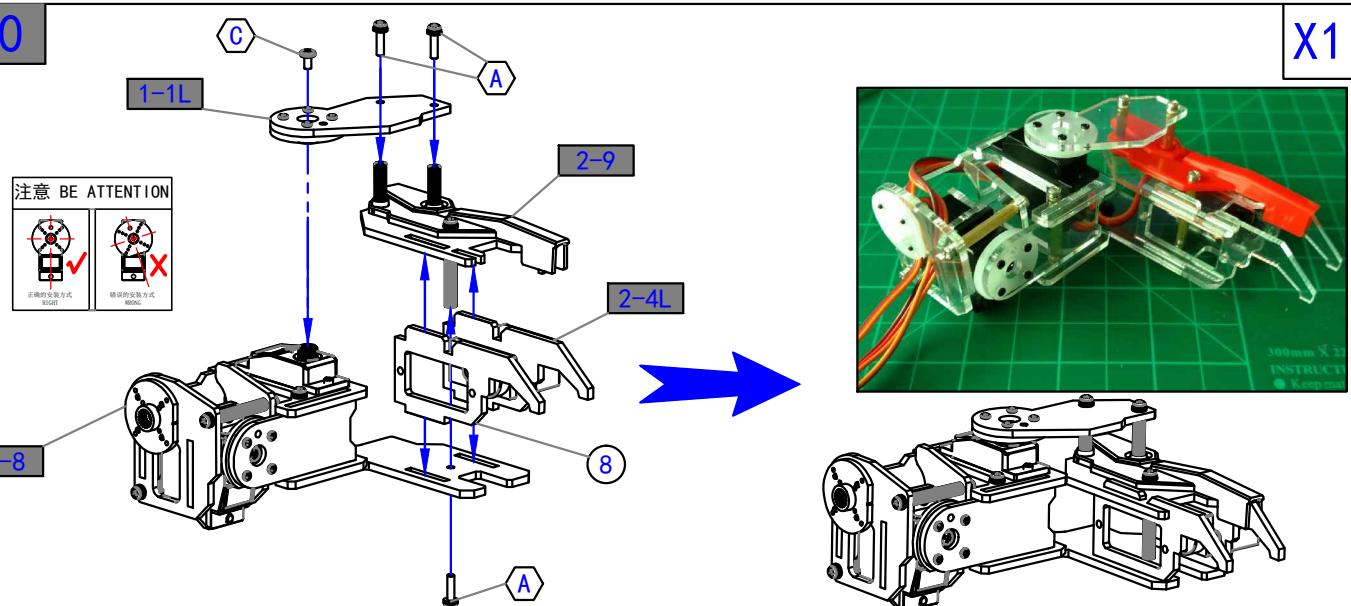
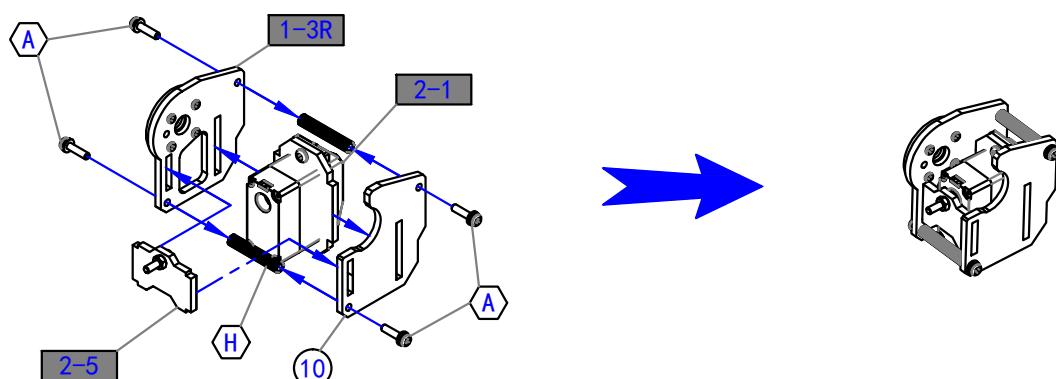
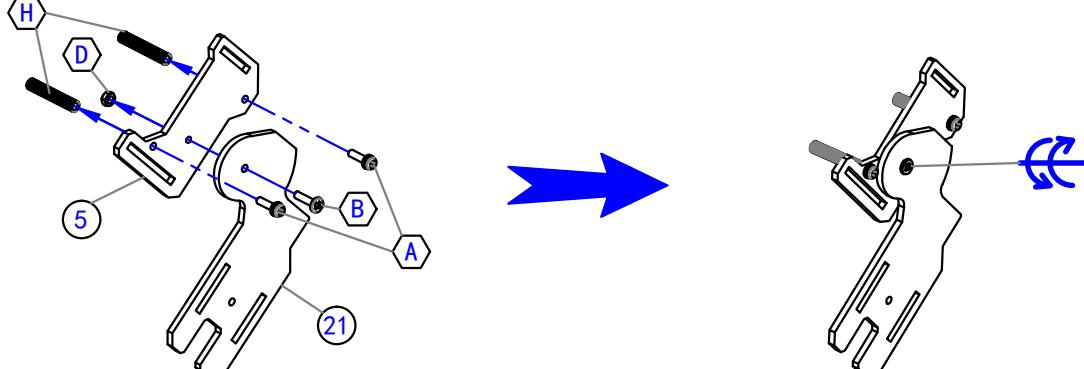
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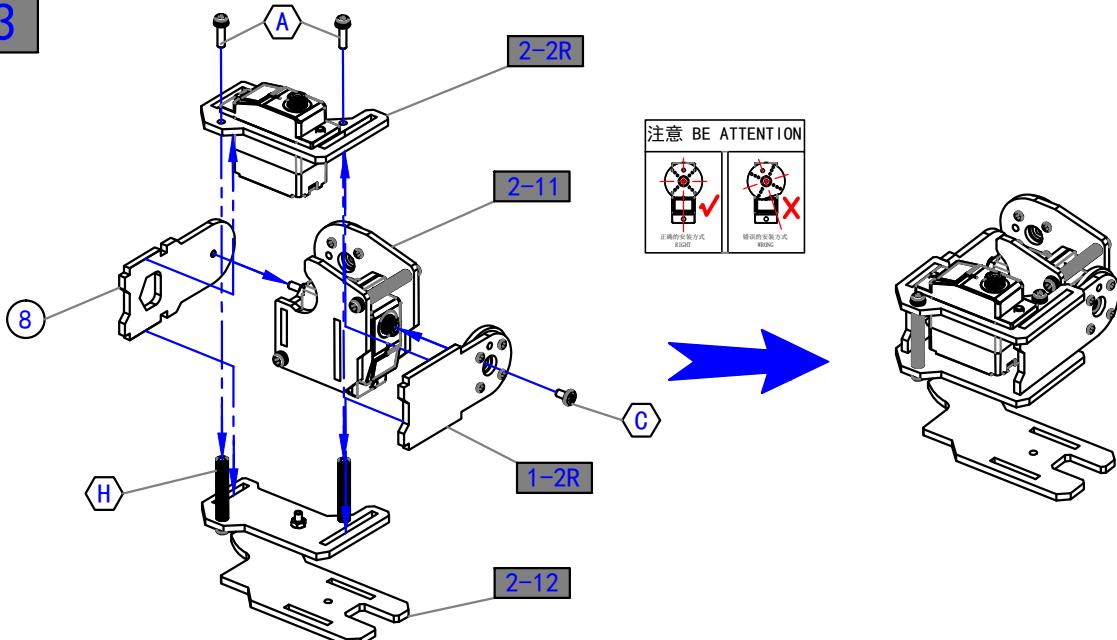
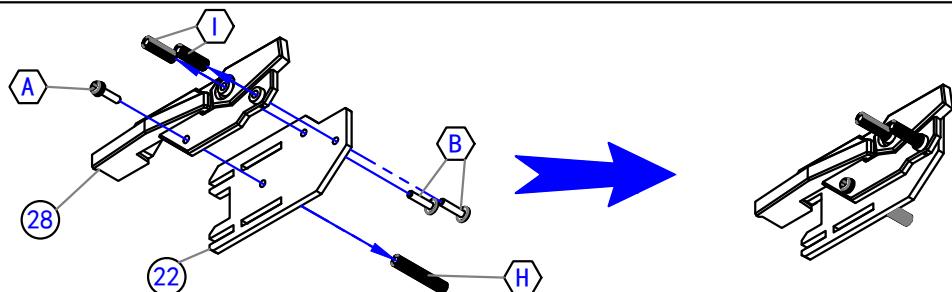
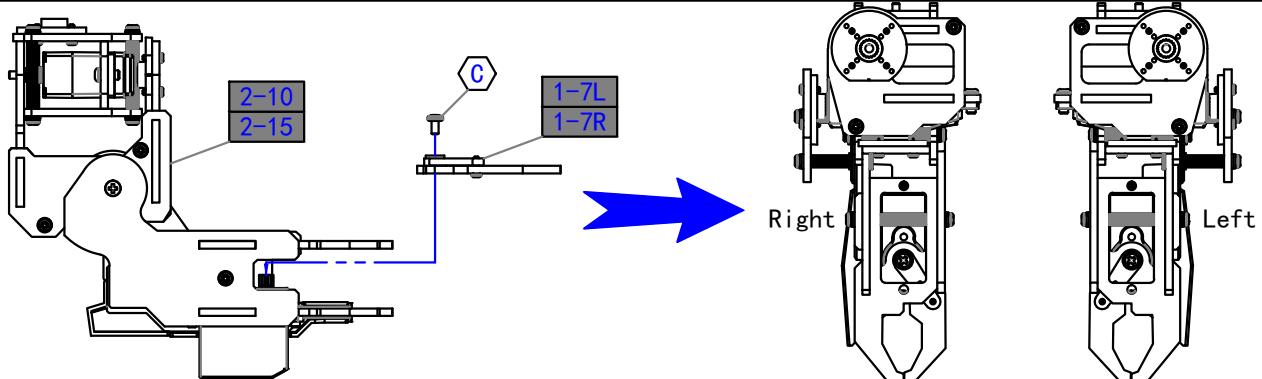
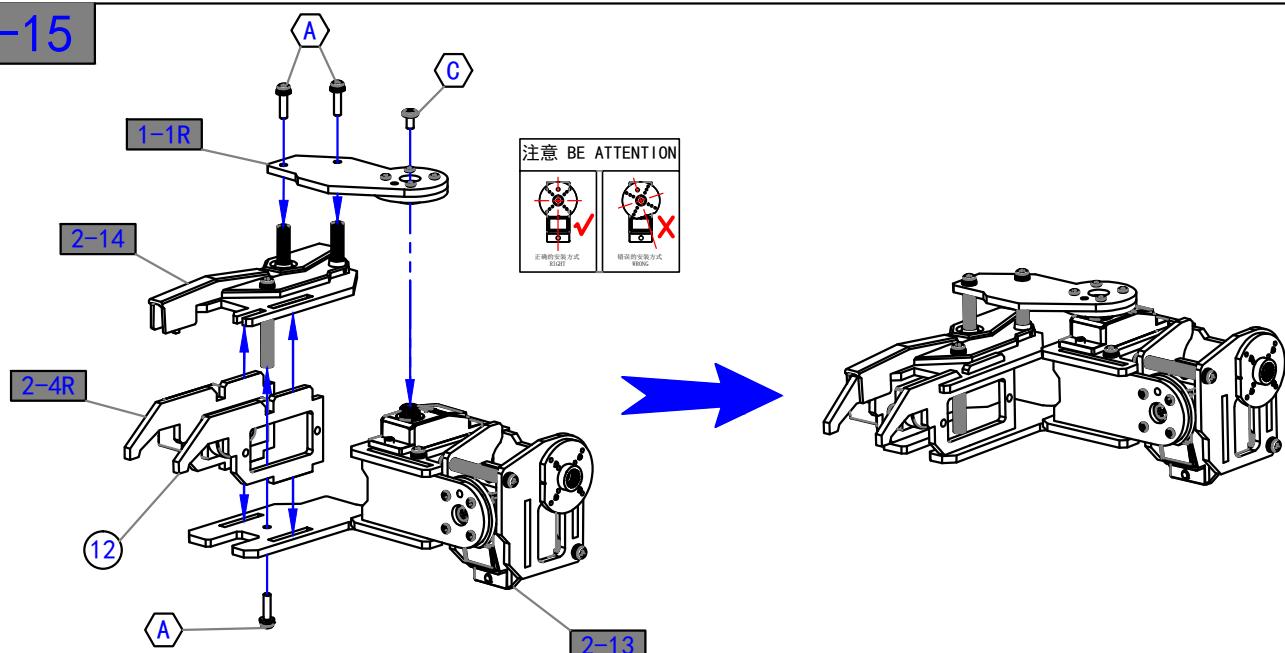


2-1**X6****2-2L****X1****2-2R****X1****2-3L****X1**

2-3R
X1

2-4L
X1

2-4R
X1

2-5
X2


2-6
X1

2-7
X1

2-8
X1


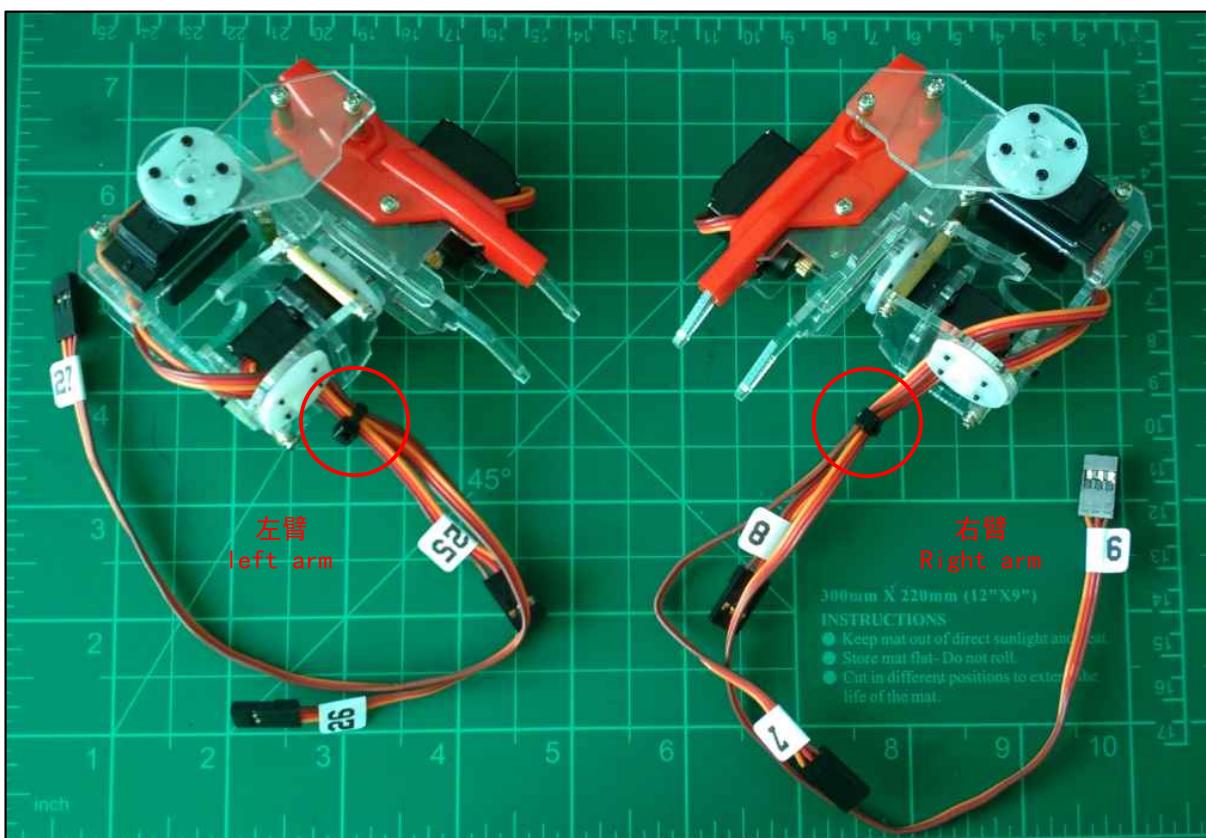
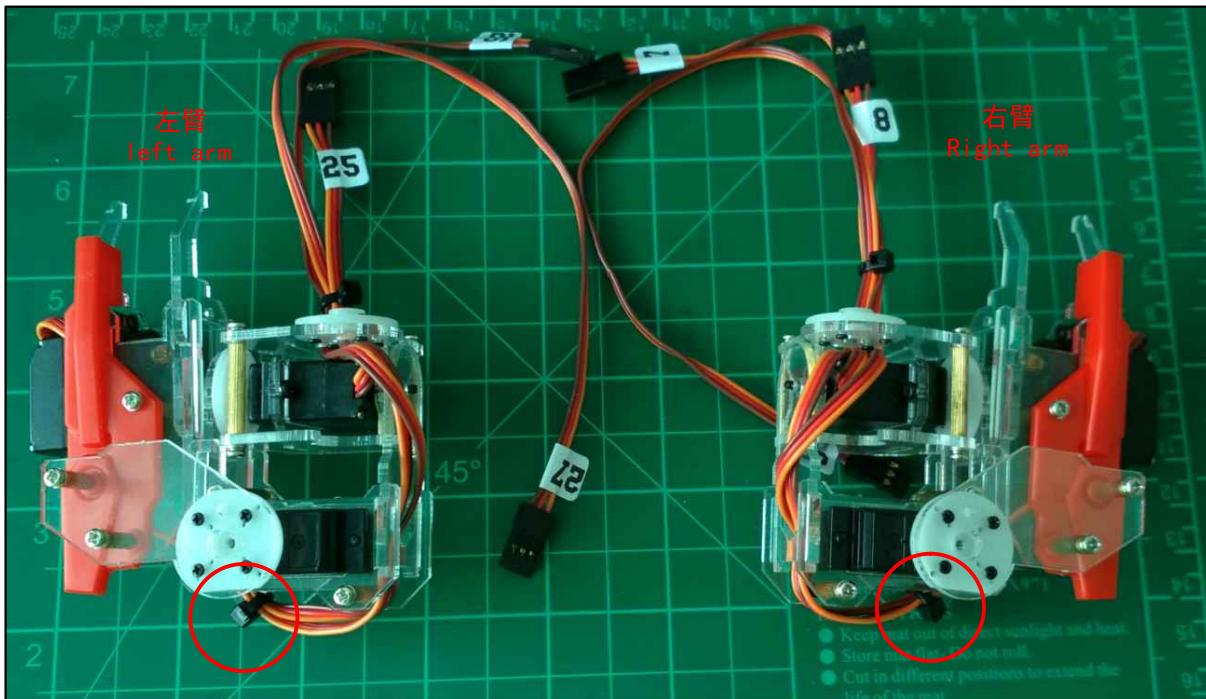
2-9
X1

2-10
X1

2-11
X1

2-12
X1


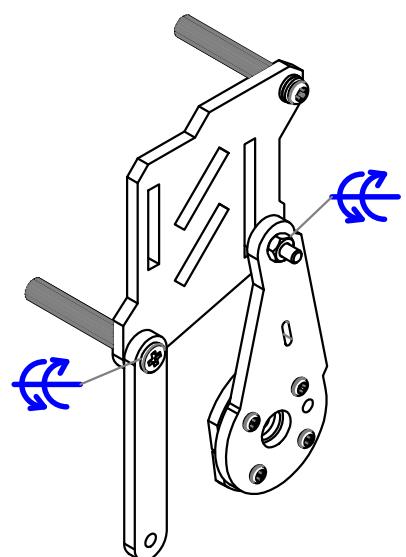
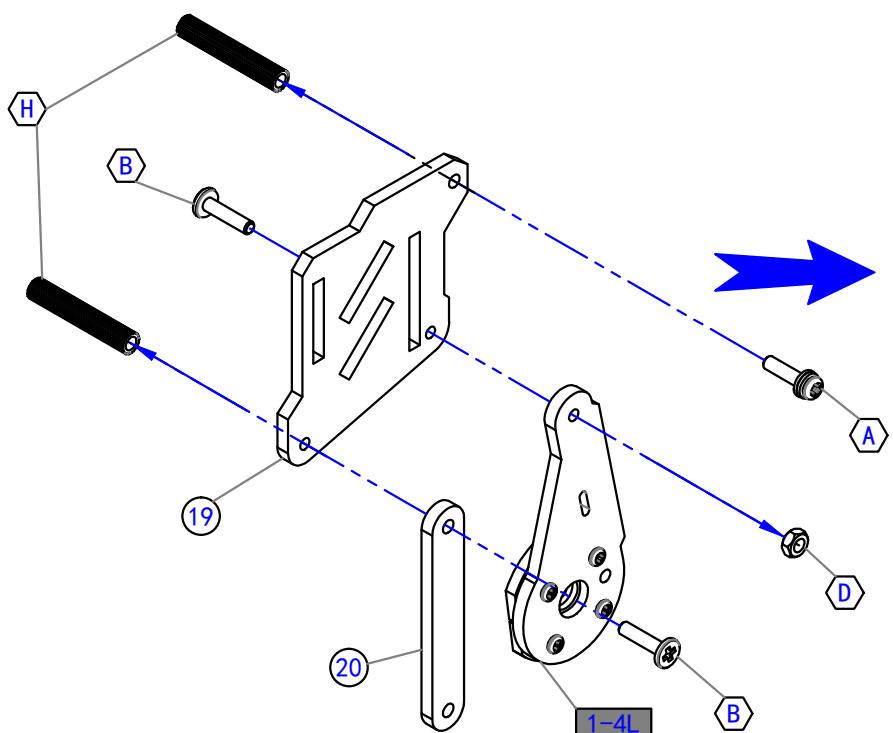
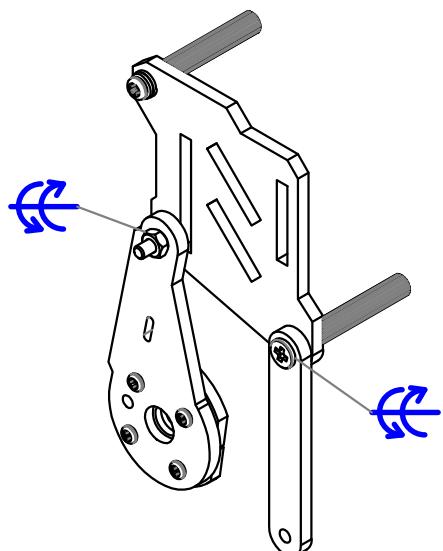
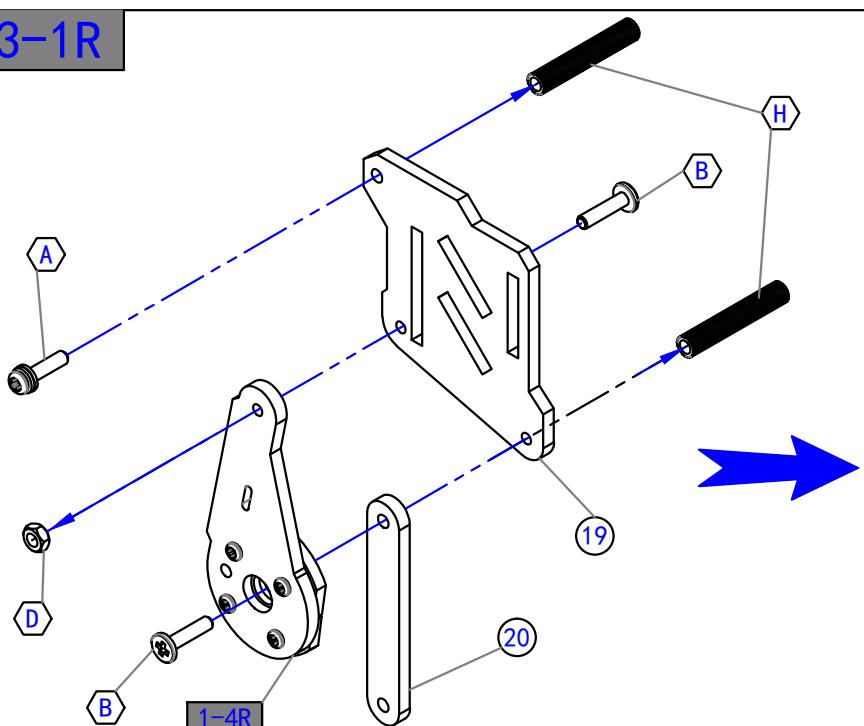
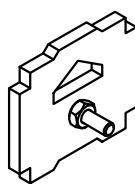
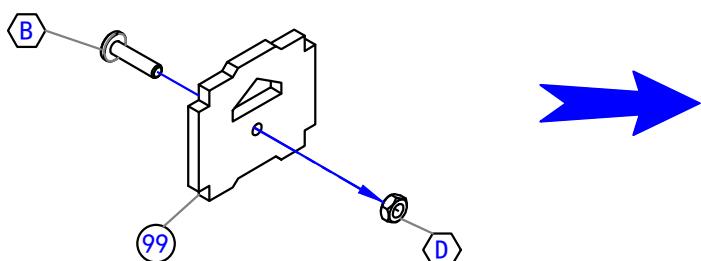
2-13
X1

2-14
X1

2-15
X1


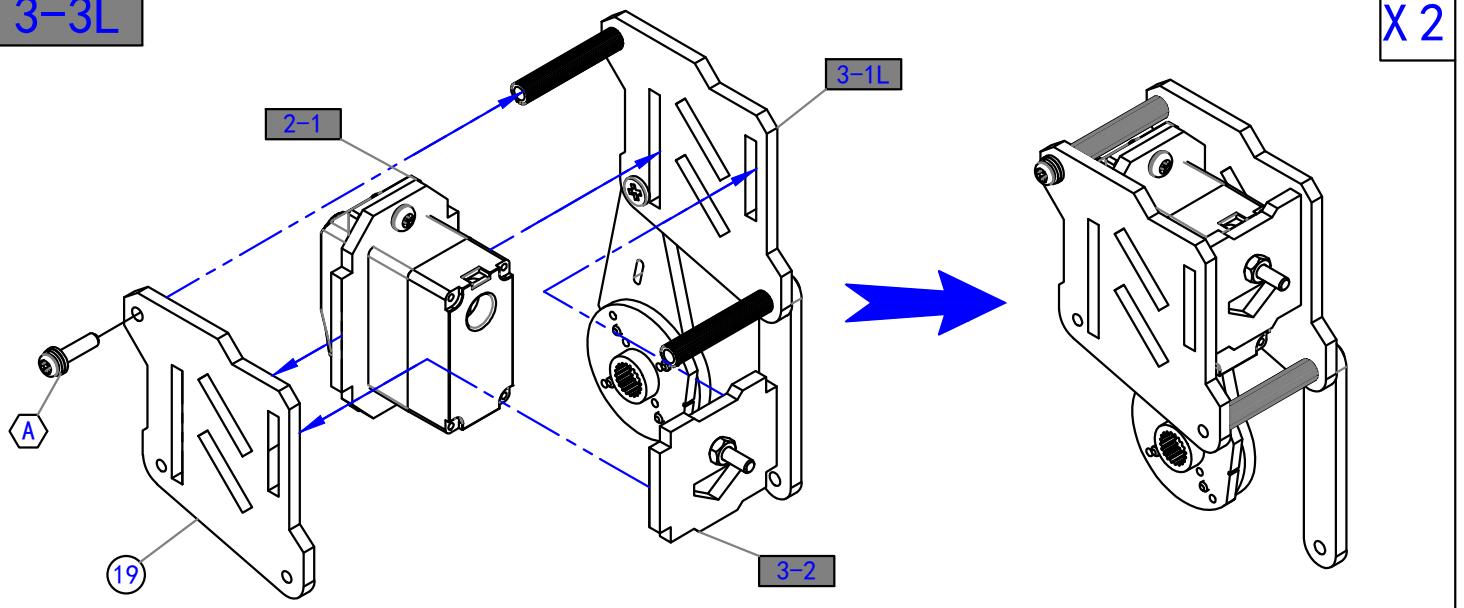
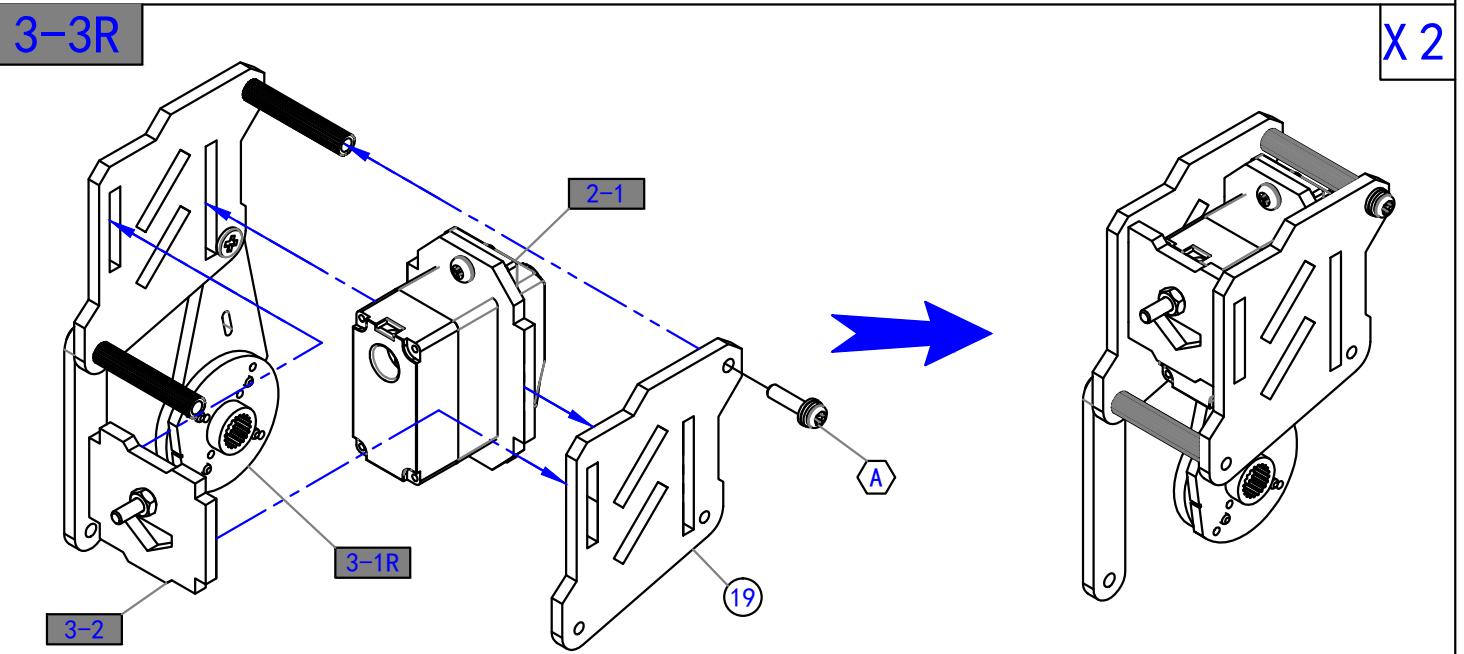
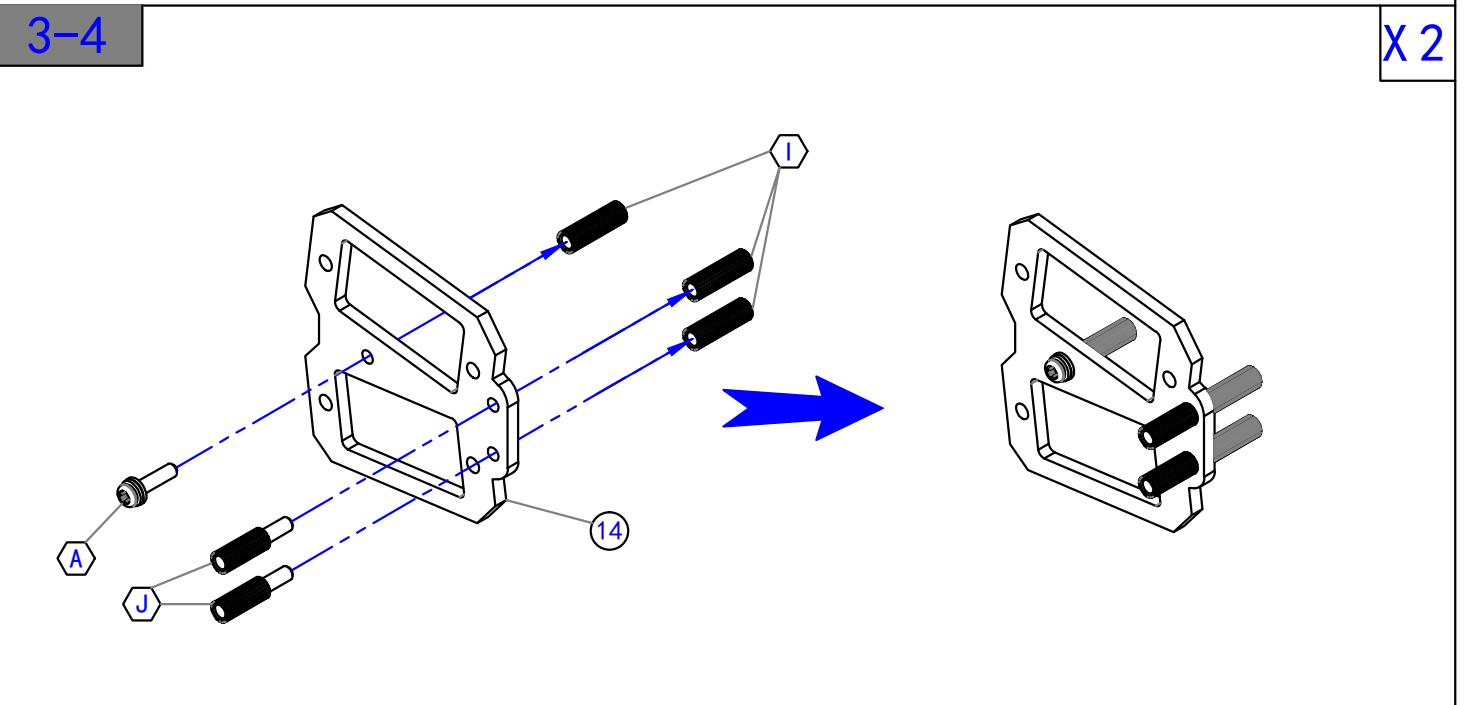
TIPS

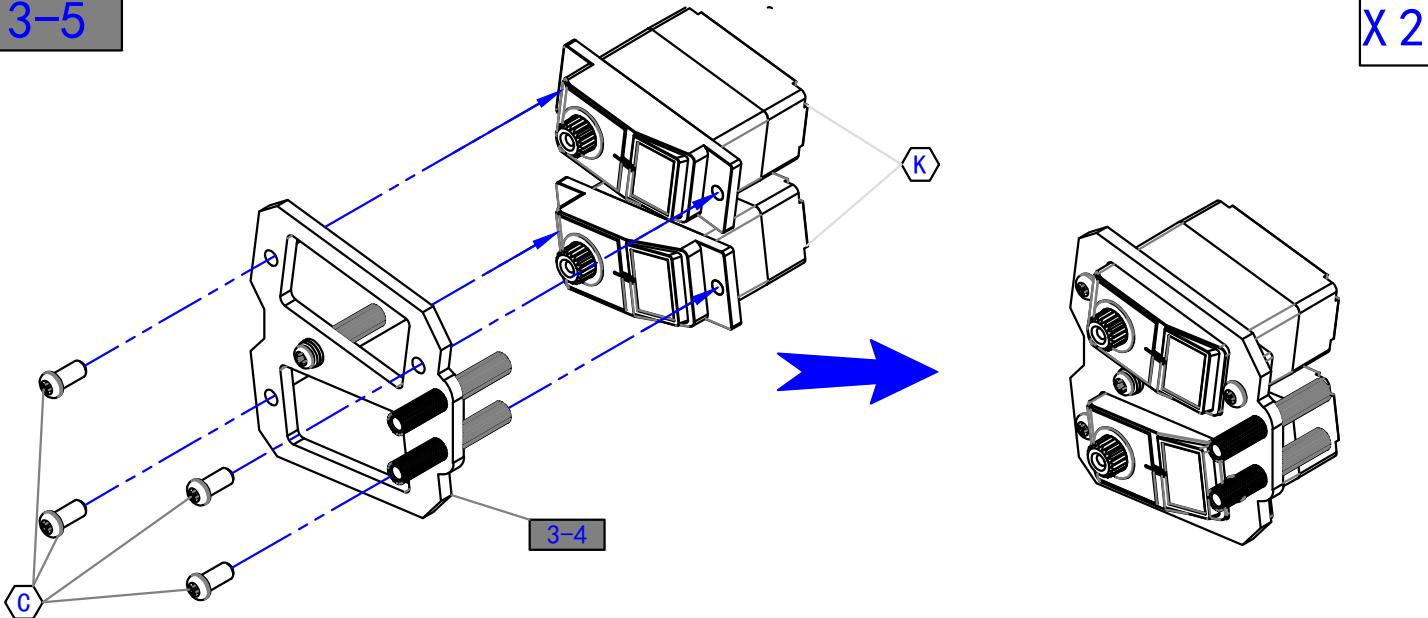
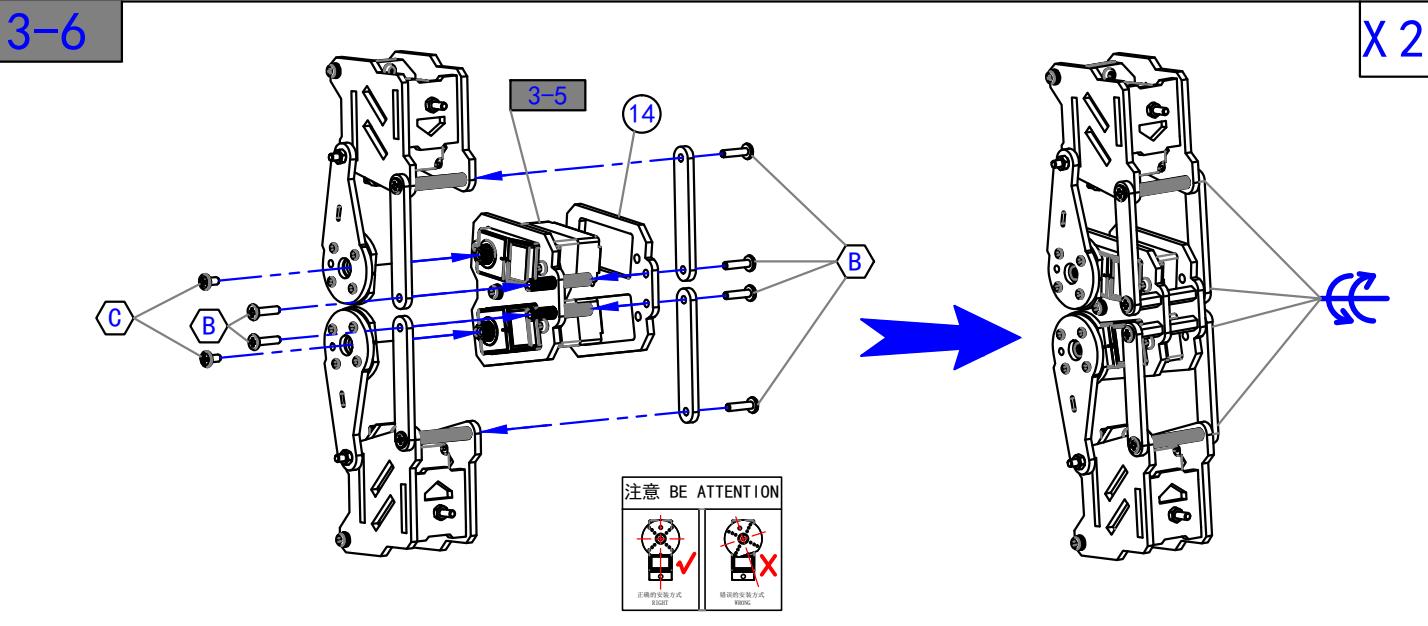
请按照图示的方式整理舵机线。将手臂弯曲到图示位置，然后用扎带固定。注意扎带的位置。请对照第21页的舵机序号图在每个舵机线的插头插头附近贴上标签，后续安装将使用到这些标签。

you need finishing the servo wire like image. Bend the arm to the state as shown and fixed with cable ties .Note the location of cable ties.According to the servo number Schematic on page 21, paste the number label on the wire of servo where near the plug. It will be used in next steps.



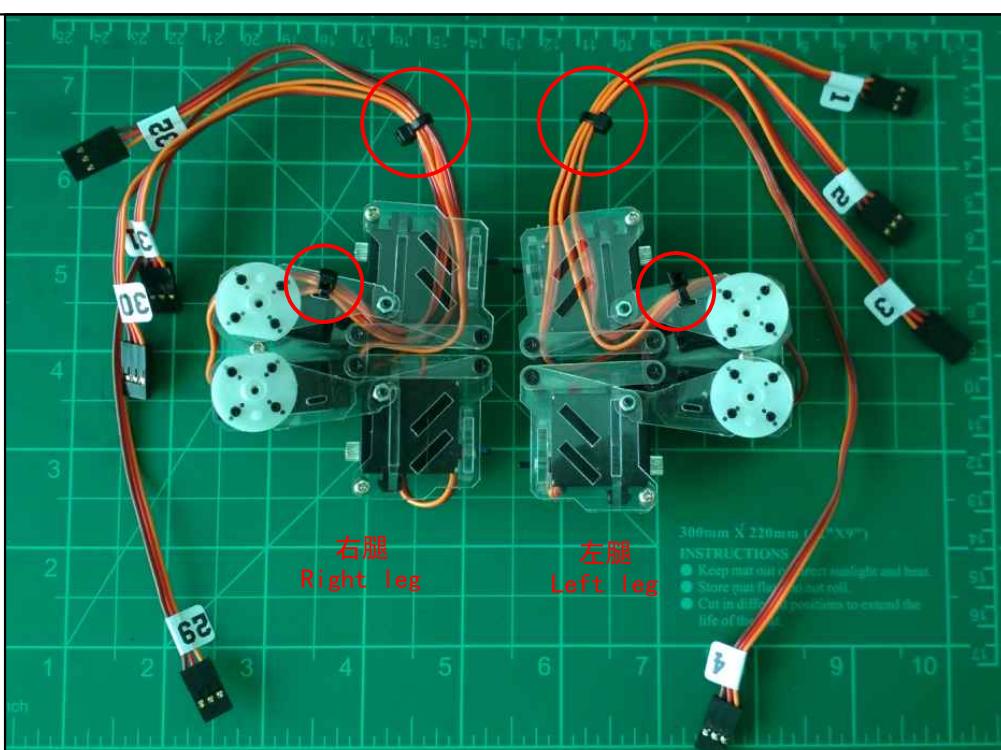
3-1L
X 2

3-1R
X 2

3-2
X 2


3-3L
X 2

3-3R
X 2

3-4
X 2


3-5
X 2

3-6
X 2

3-7

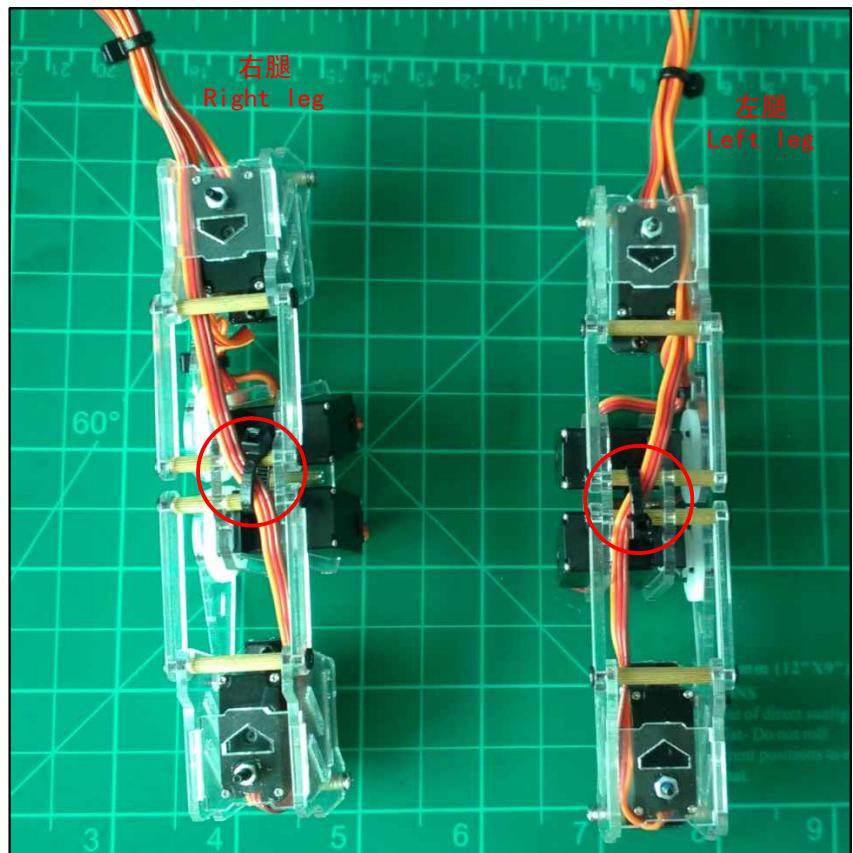
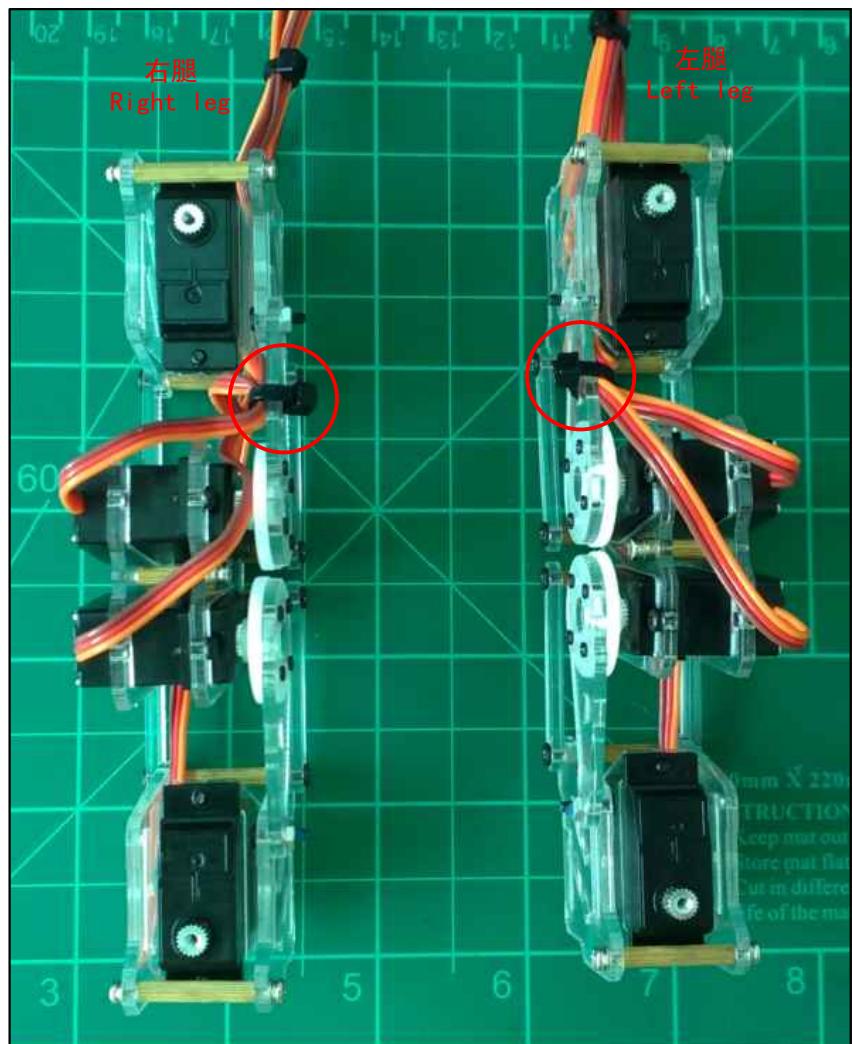
确定好左右腿，按照图示的位置将舵机线从上部穿出（可参考后面的图）。然后将腿弯曲到如图所示的状态，用扎带将导线固定。注意扎带的位置。

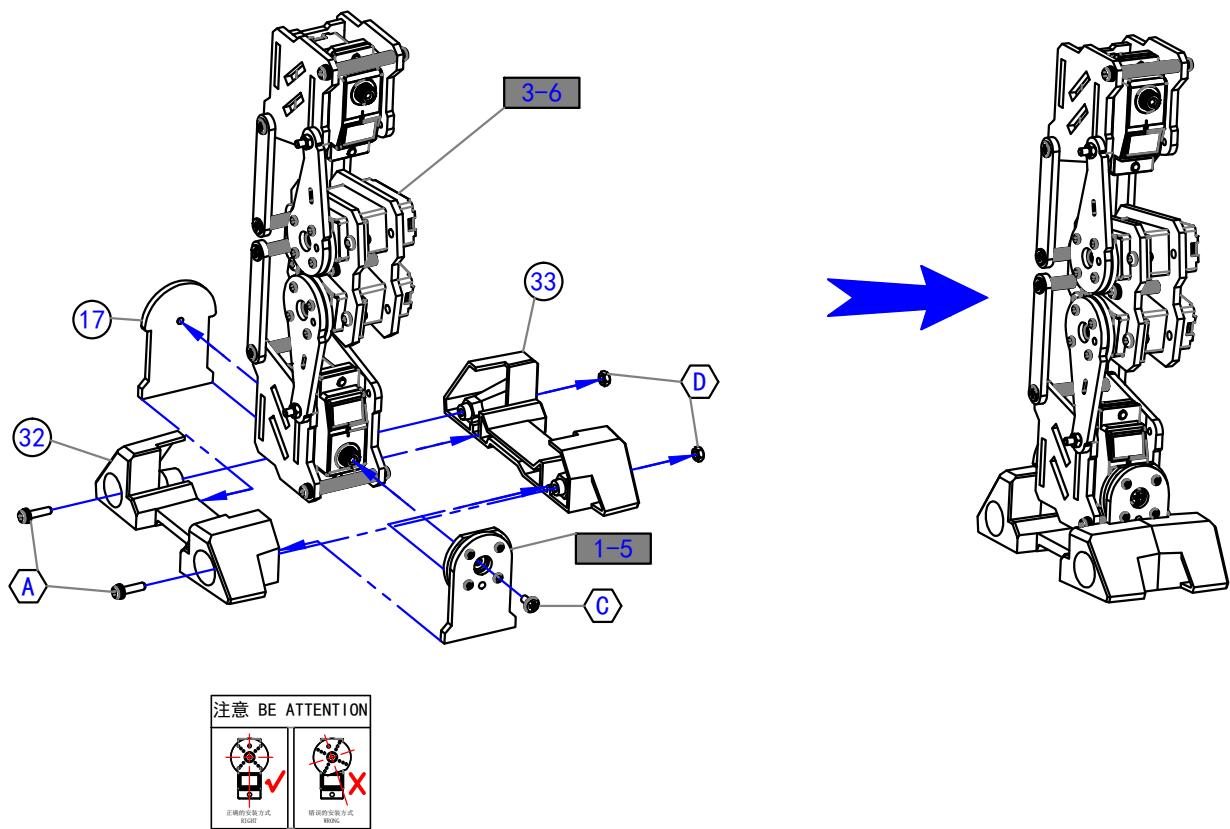
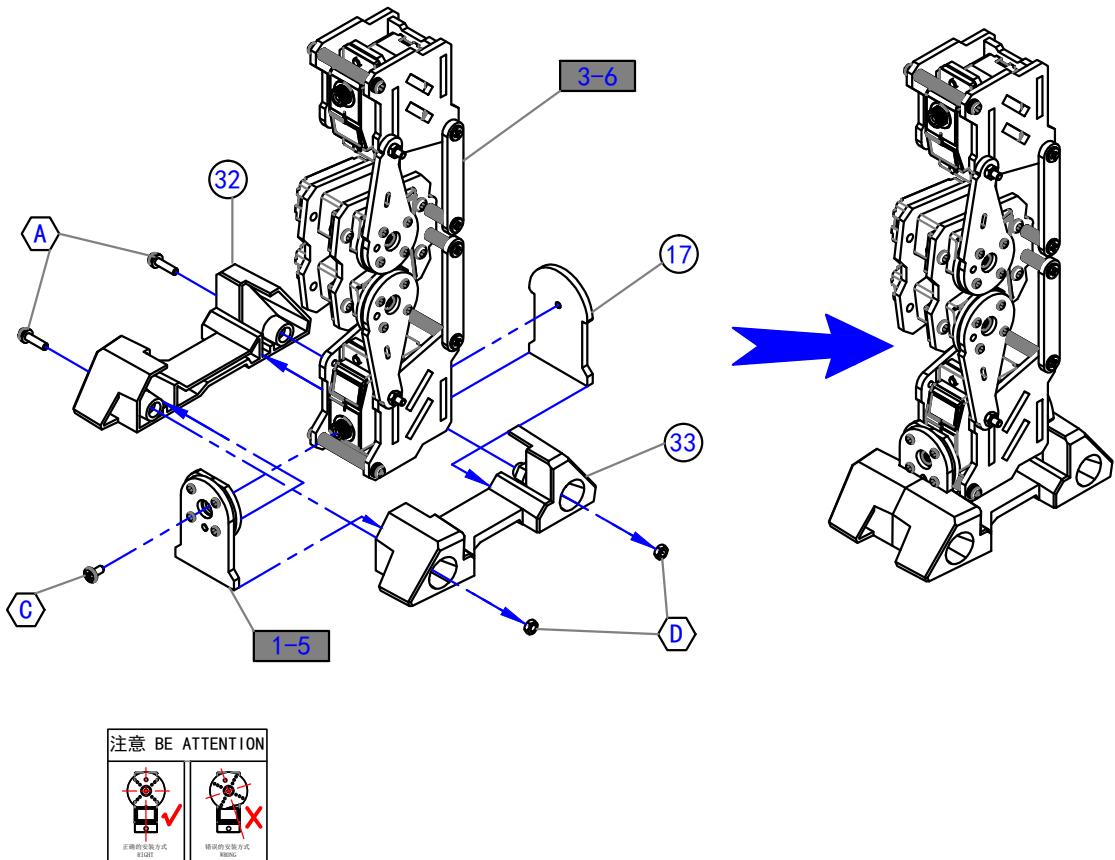
Determine left and right leg, according to the image position, the servo wire from the upper piercing (refer to the follow-up image). Then bend the leg to the state as shown and fixed with cable ties . Note the location of cable ties.

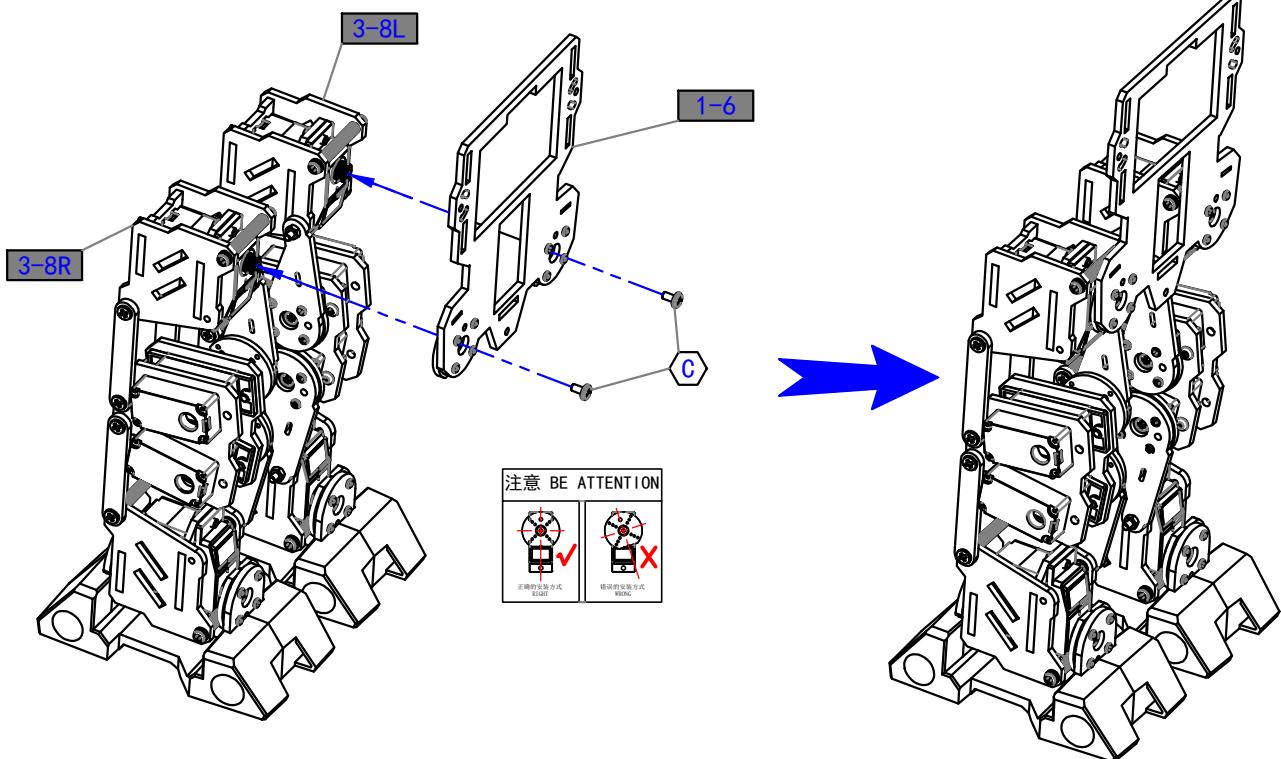
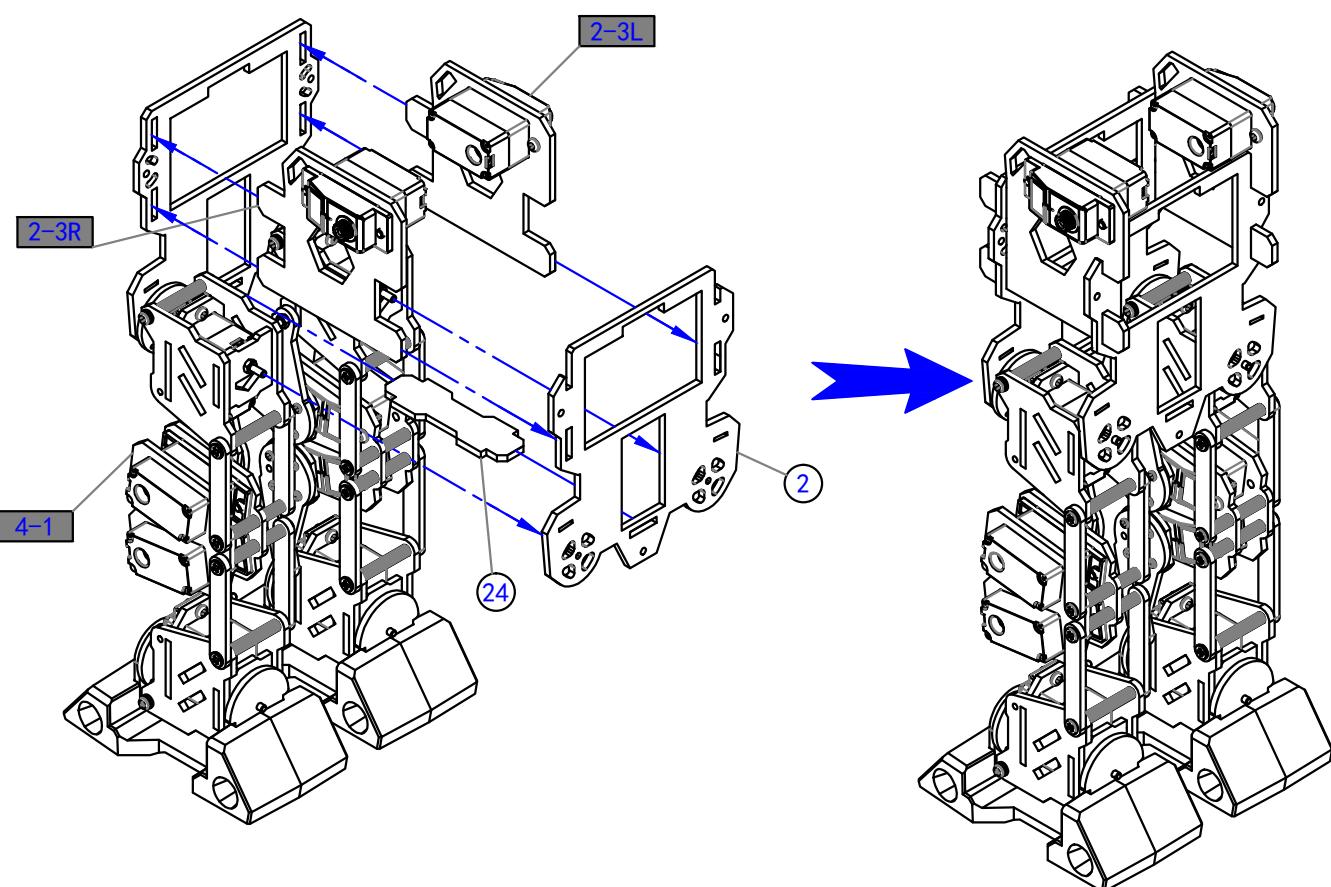


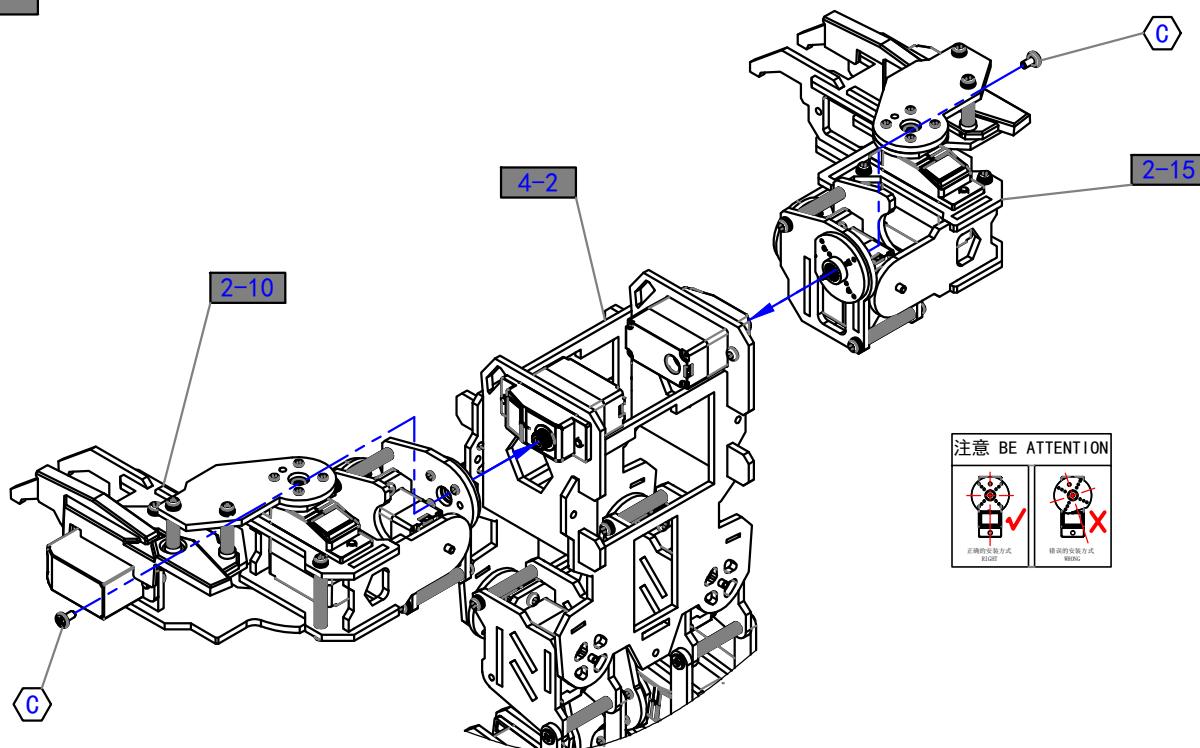
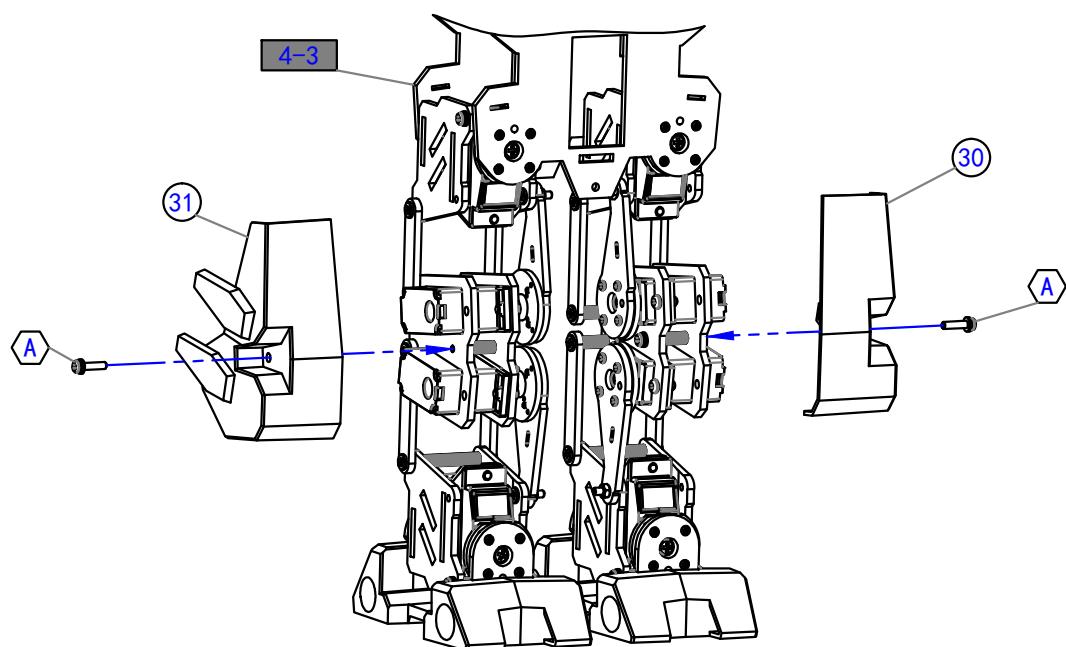
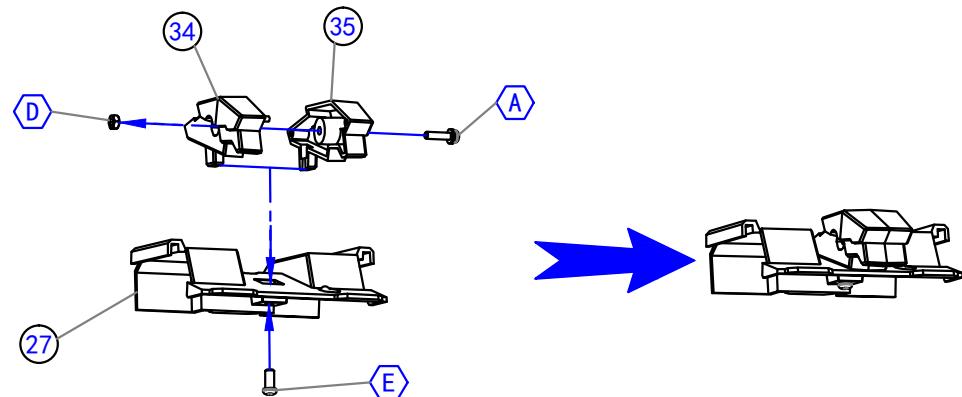
请对照第21页的舵机序号图在每个舵机线的插头插头附近贴上标签，后续安装将使用到这些标签。

According to the servo number Schematic on page 21, paste the number label on the wire of servo where near the plug. It will be used in next steps.

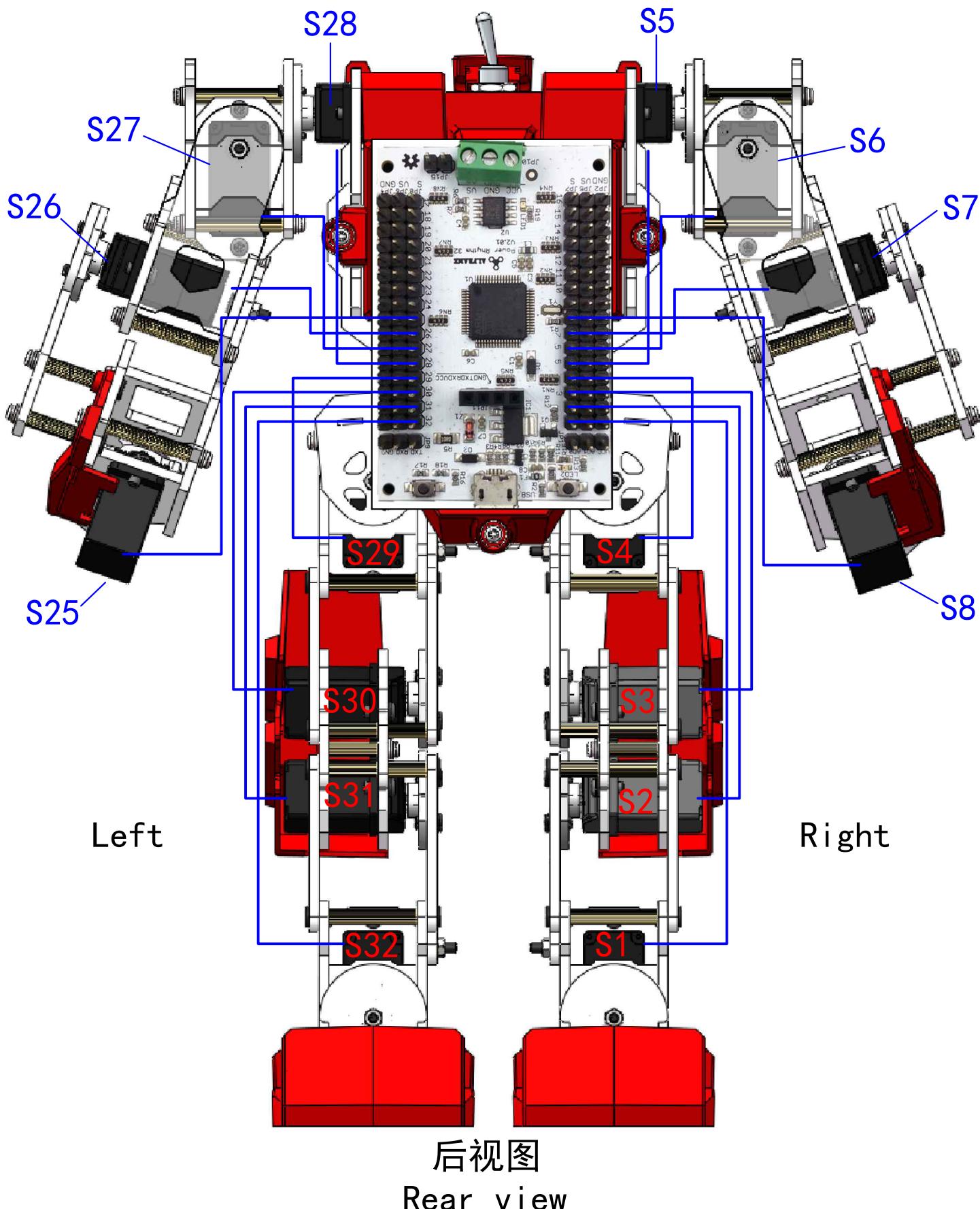


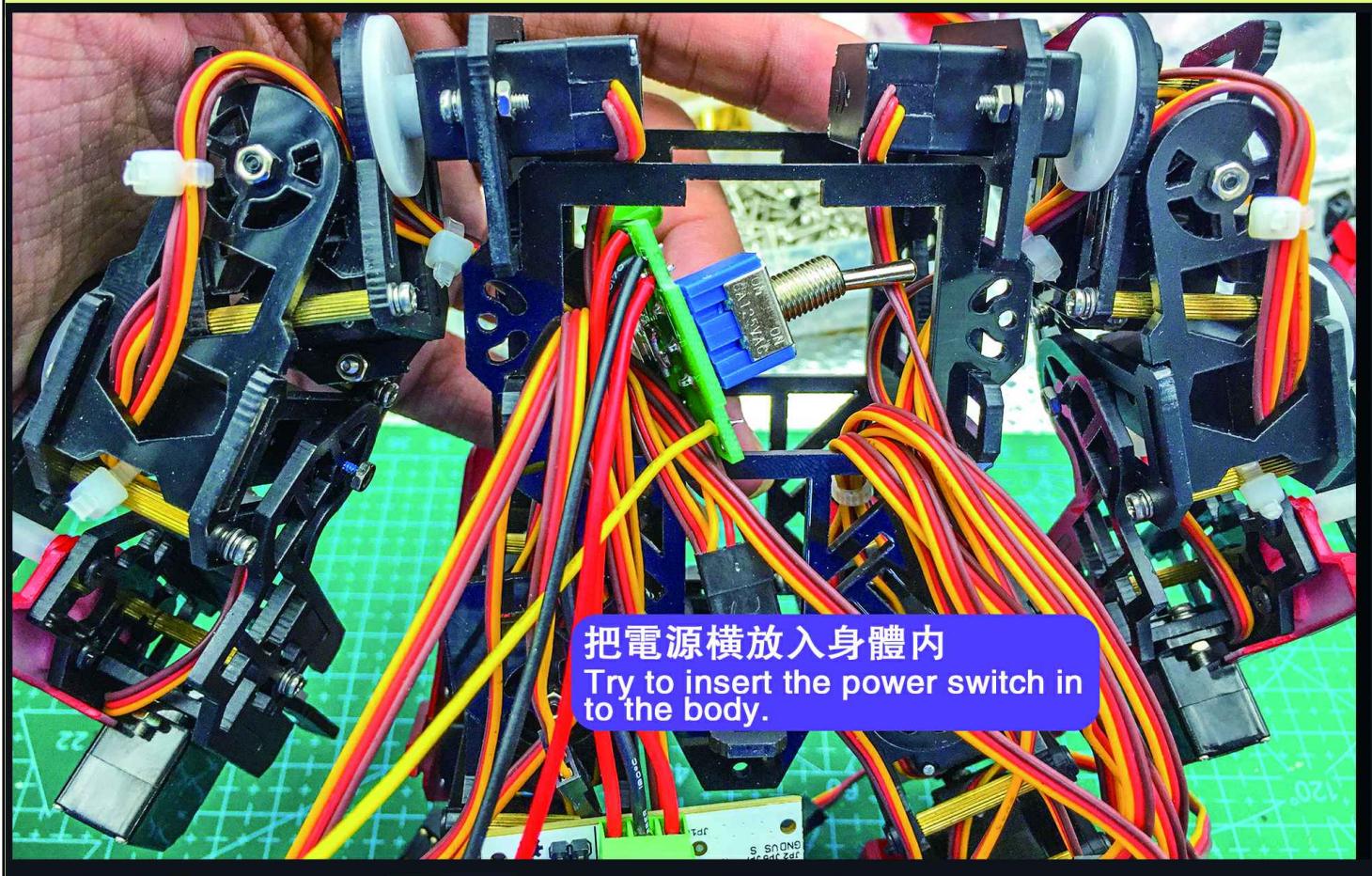
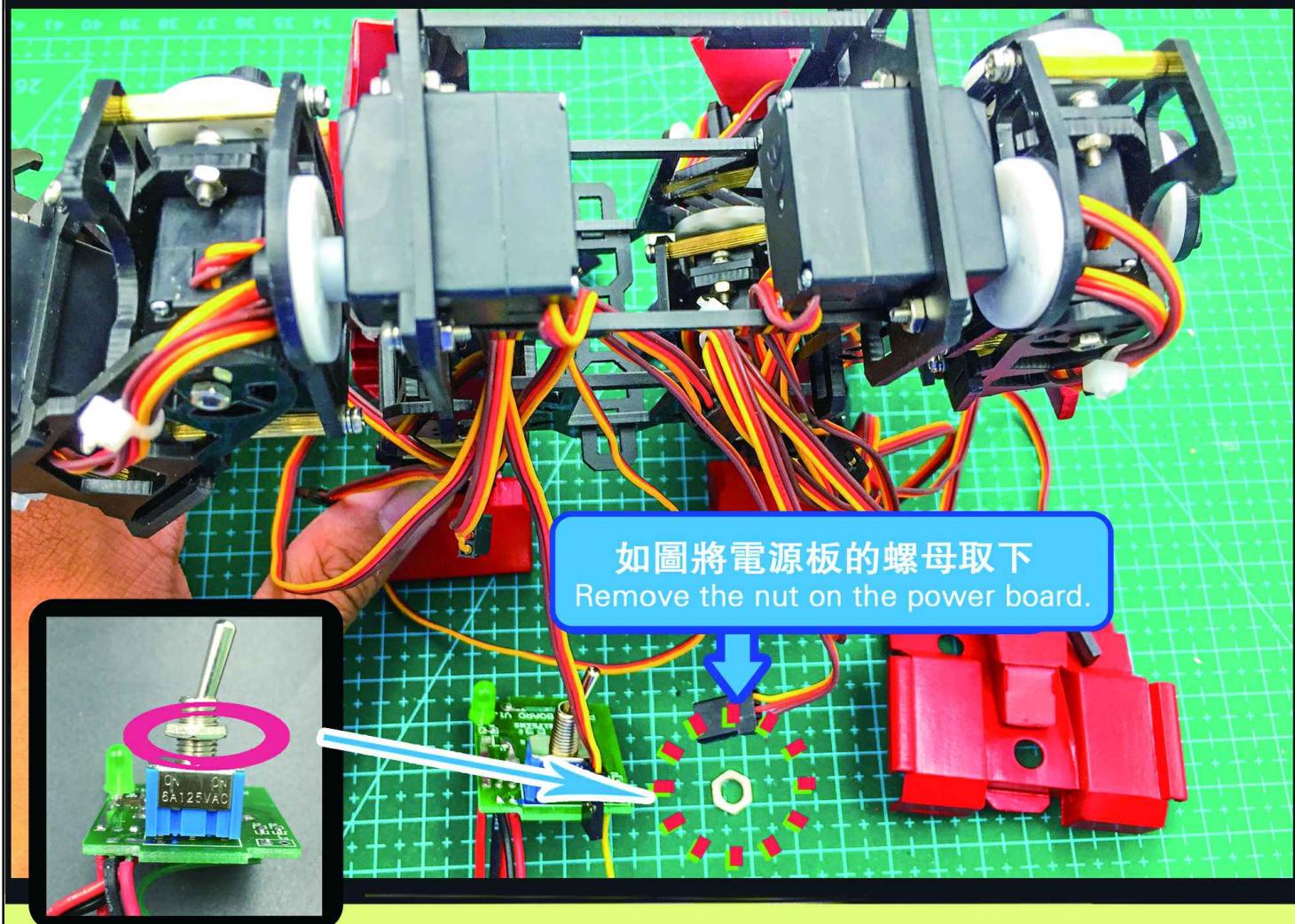
3-8L
X1

3-8R
X1


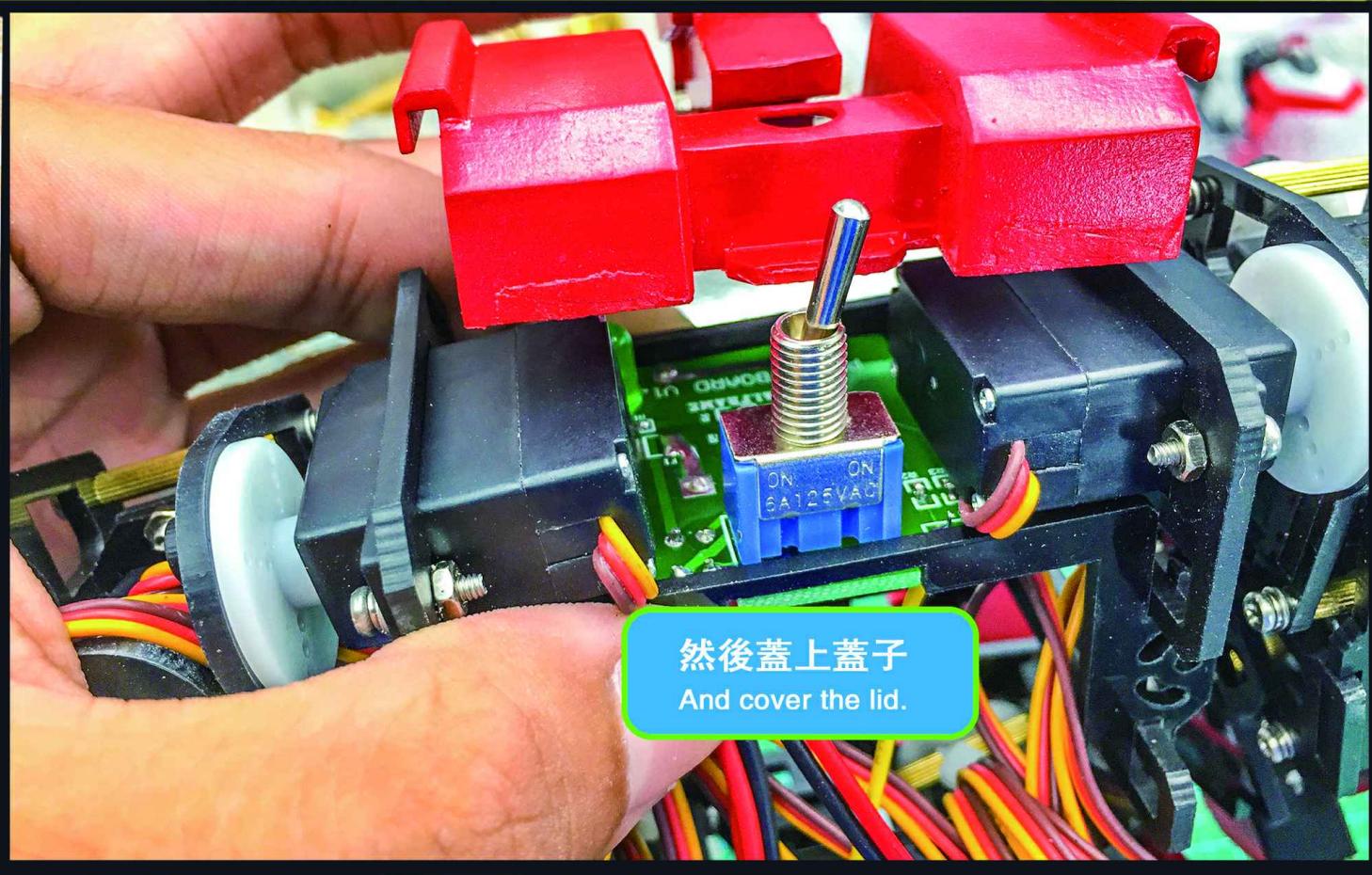
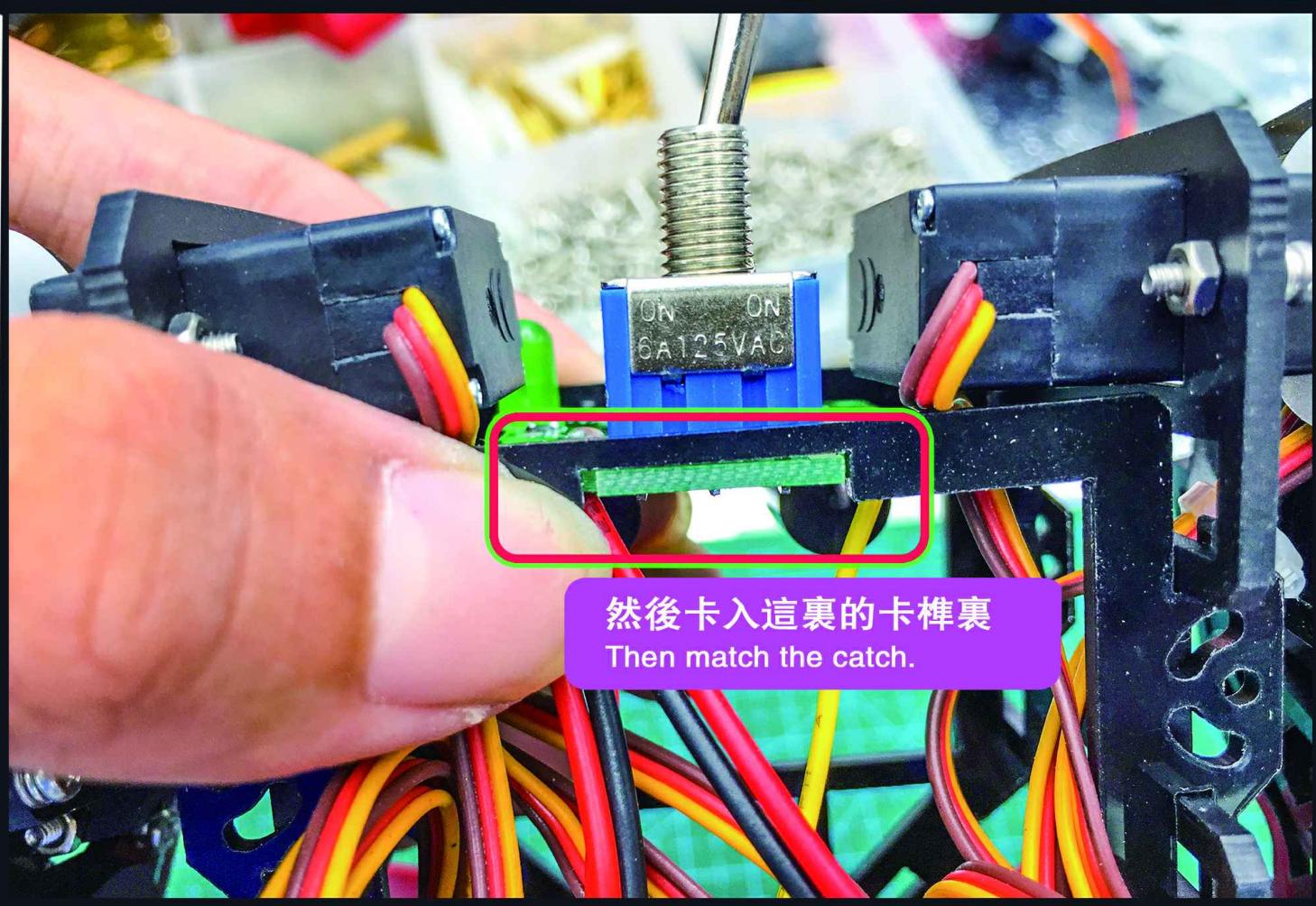
4-1
X1

4-2
X1


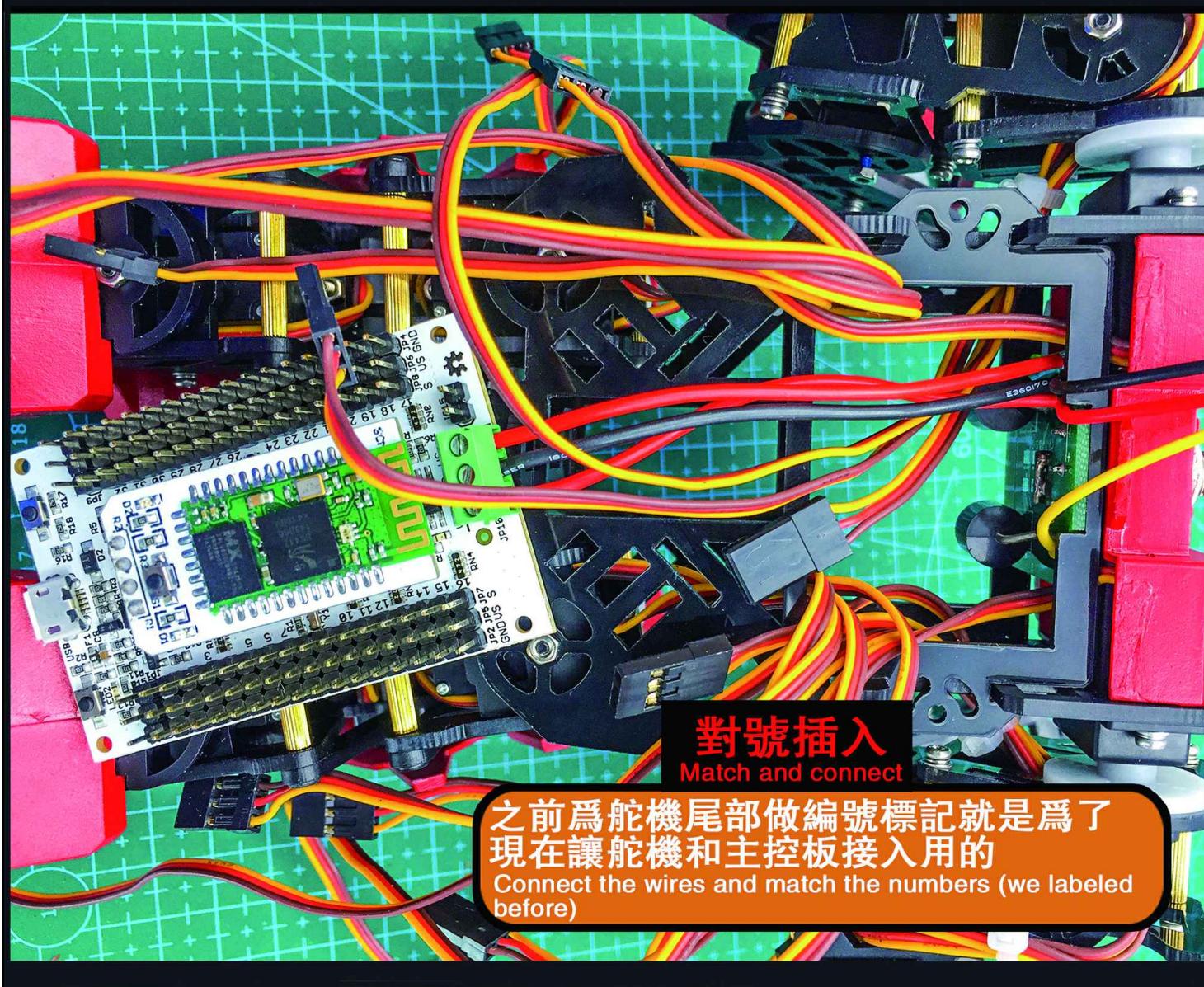
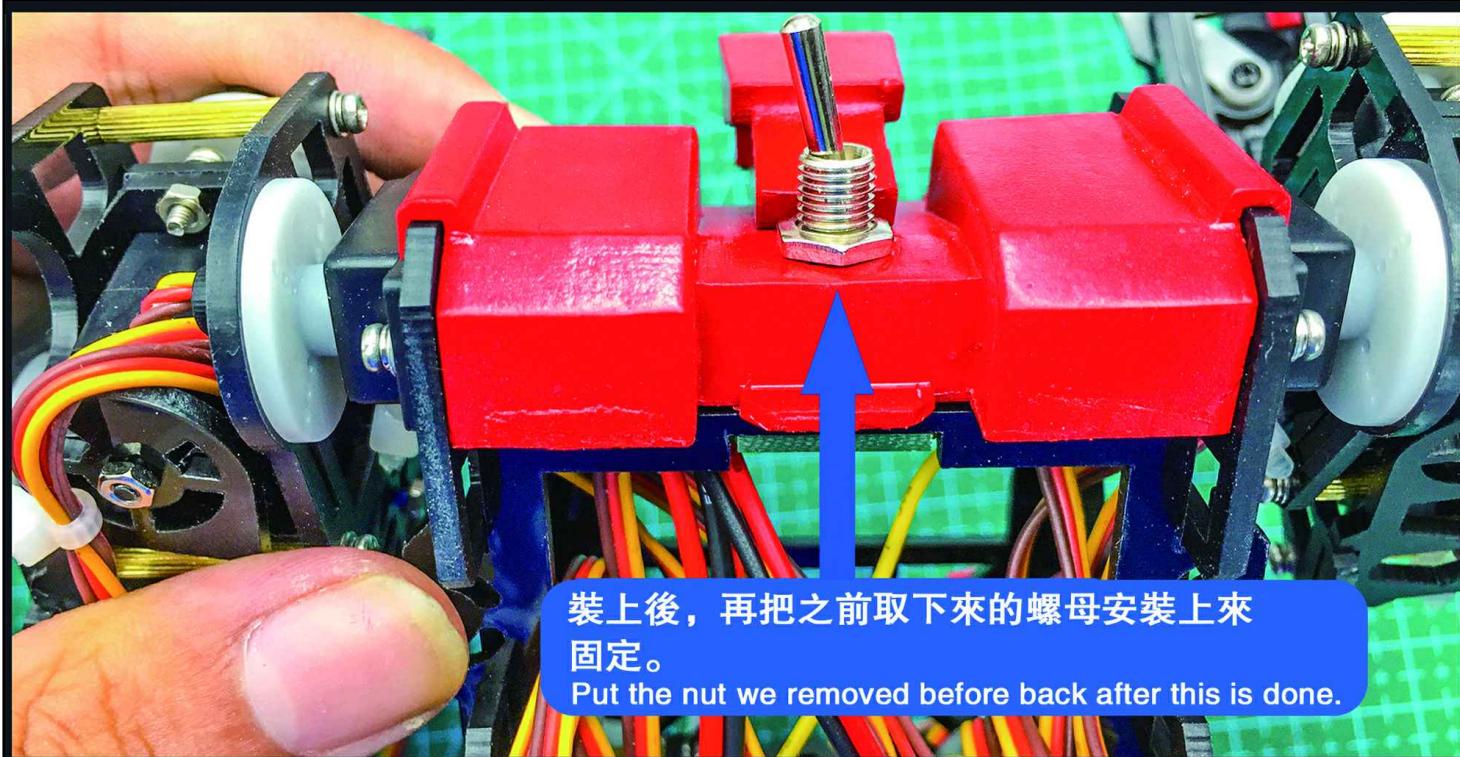
4-3
X1

4-4
X1

4-5
X1


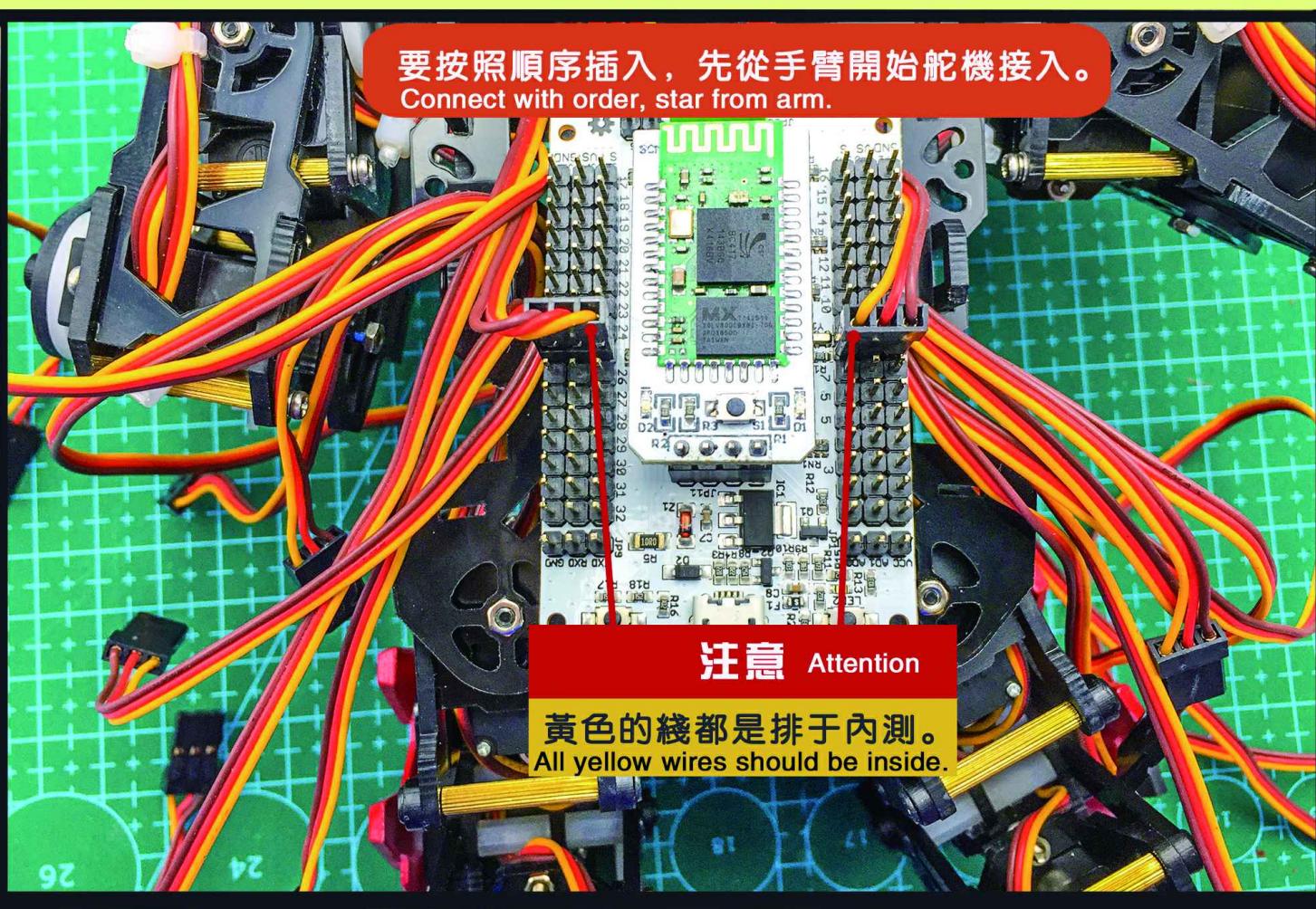
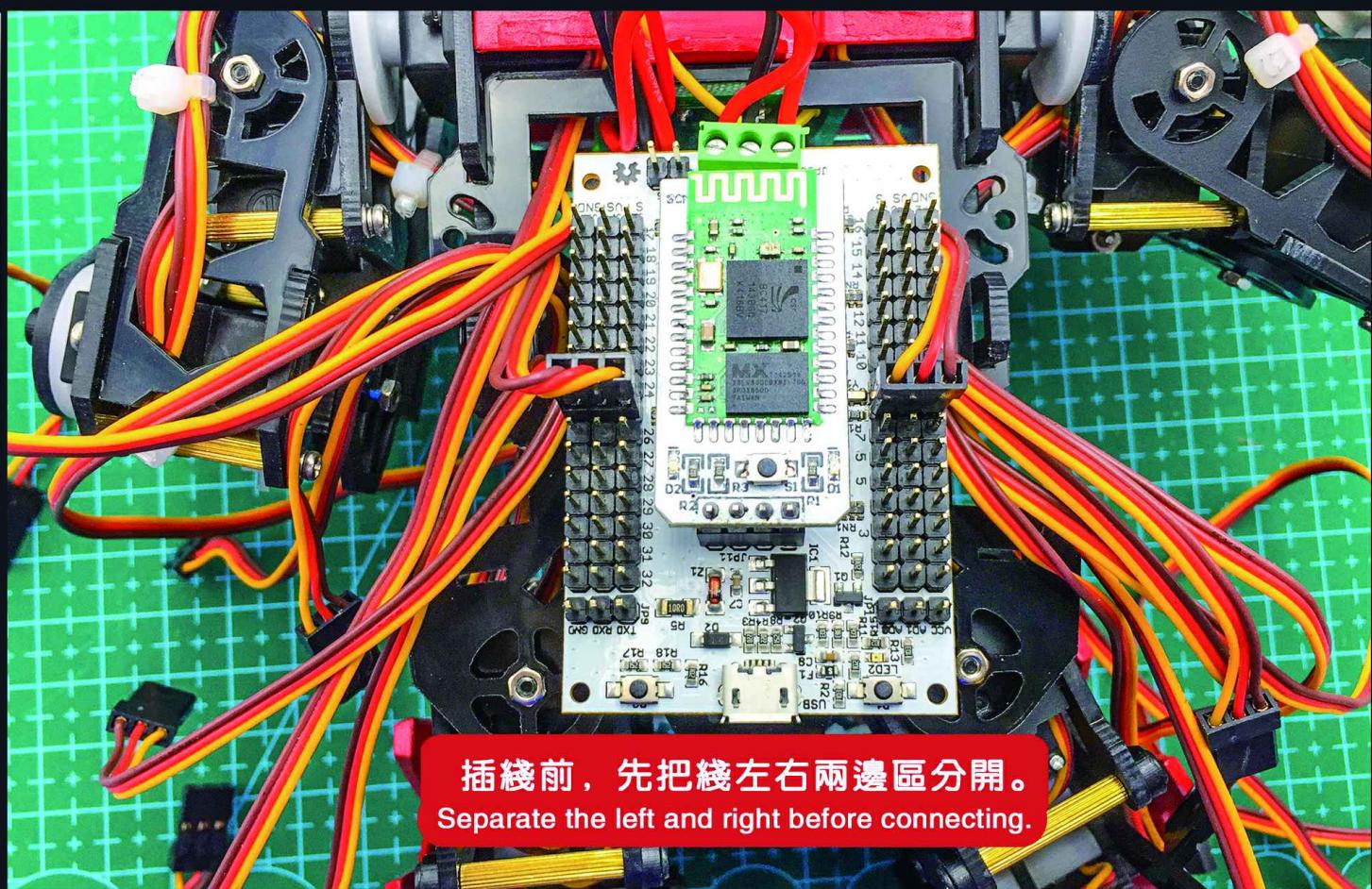
舵机序号图
servo number Schematic

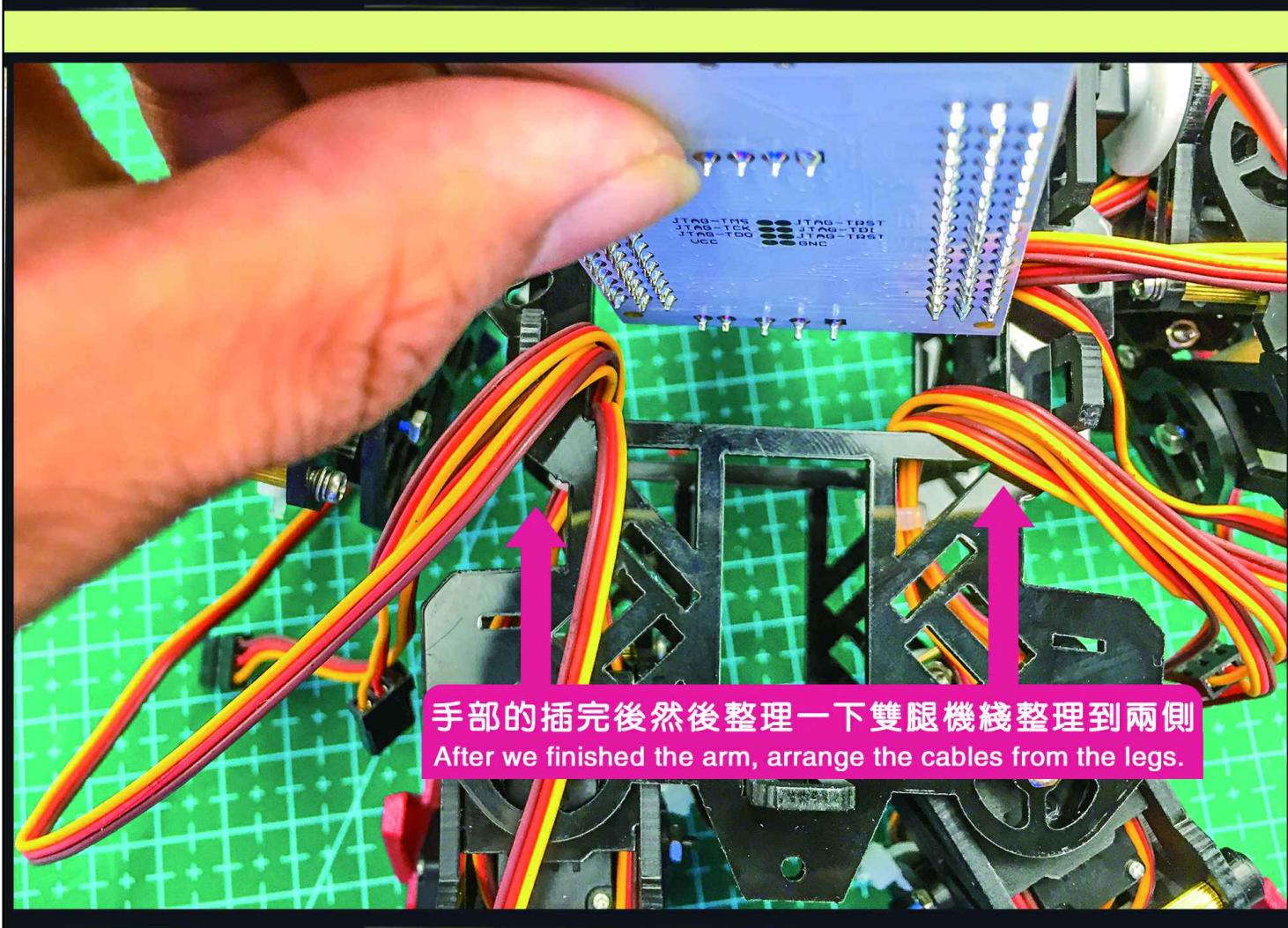
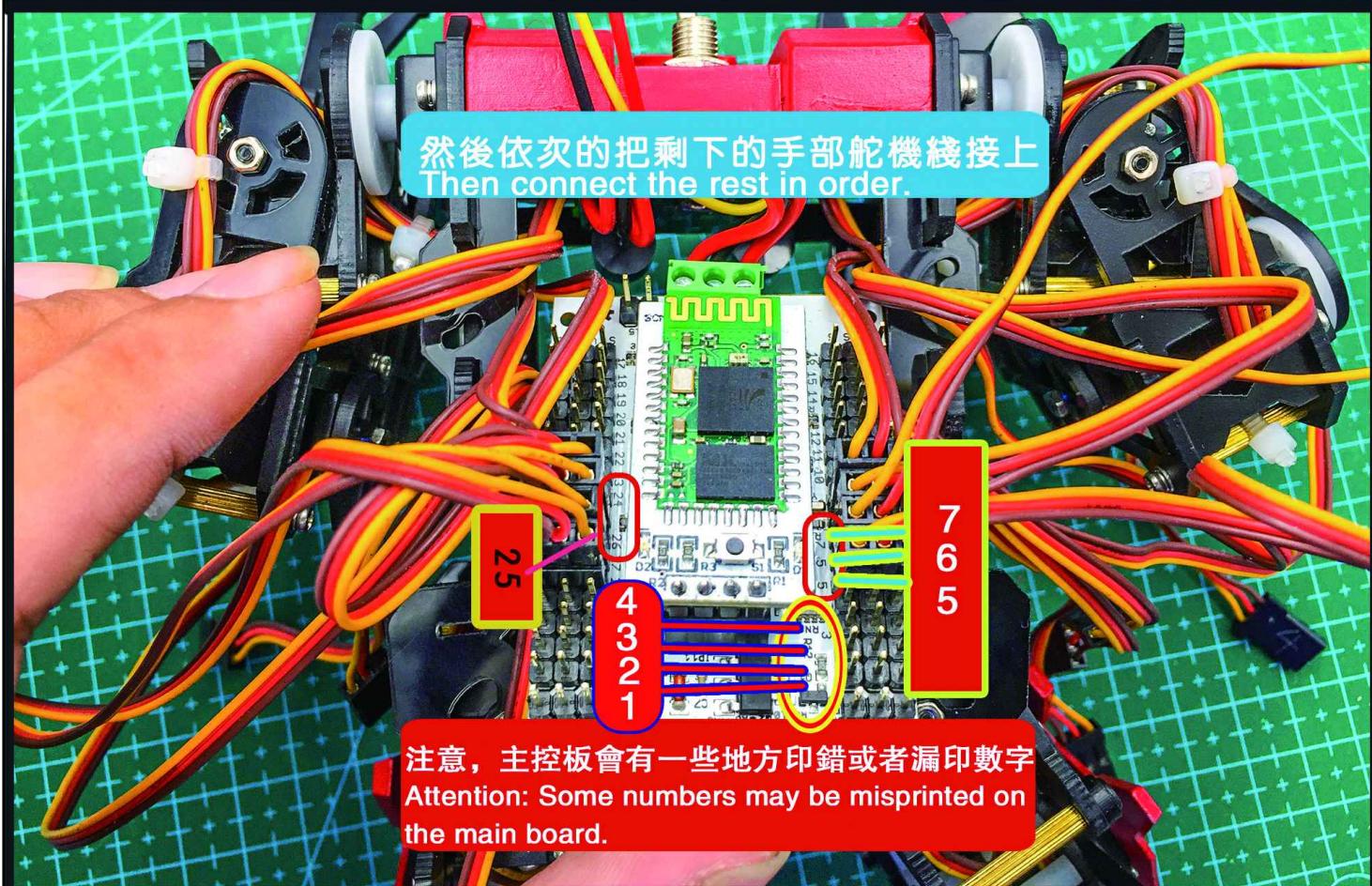


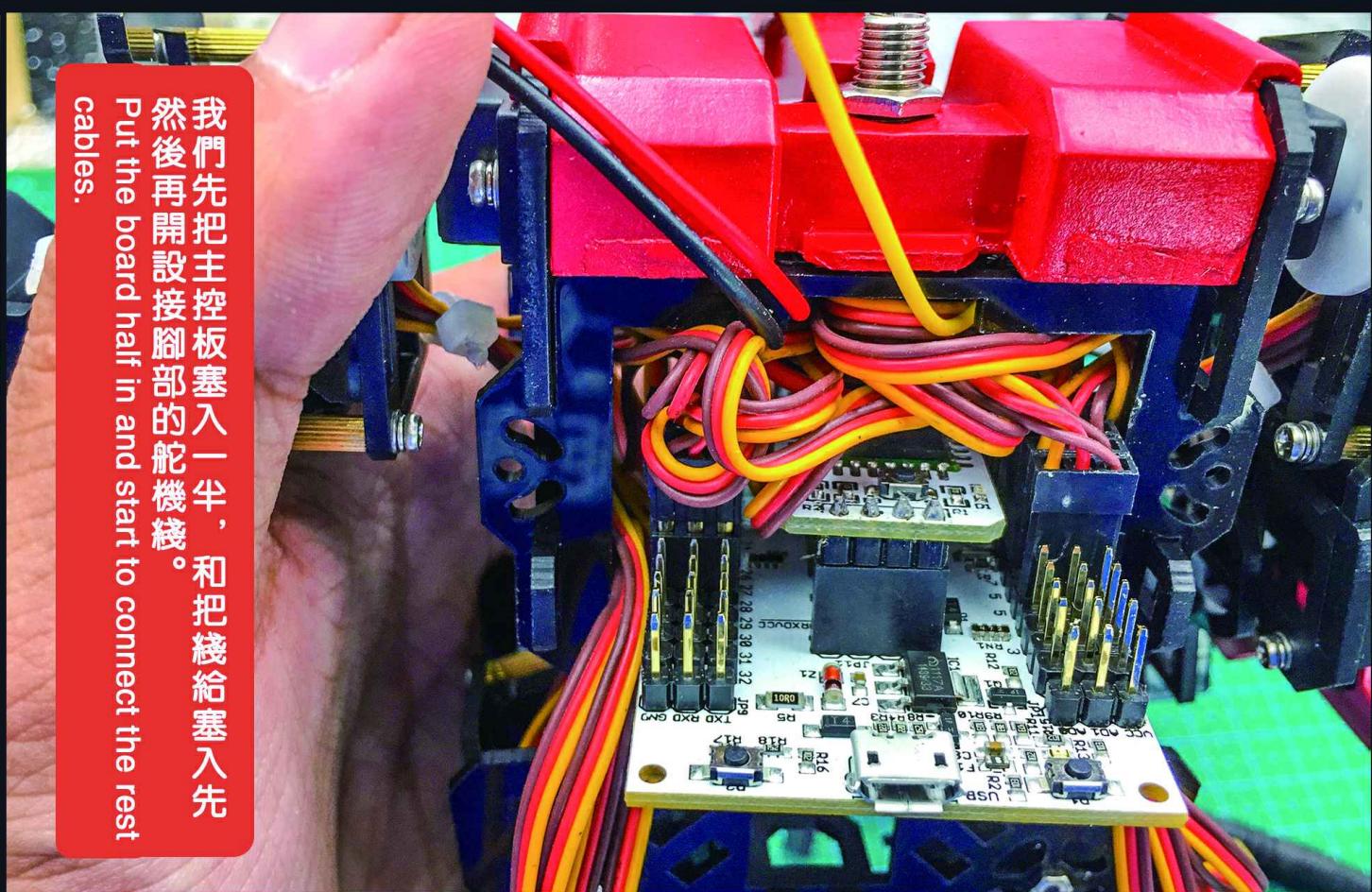


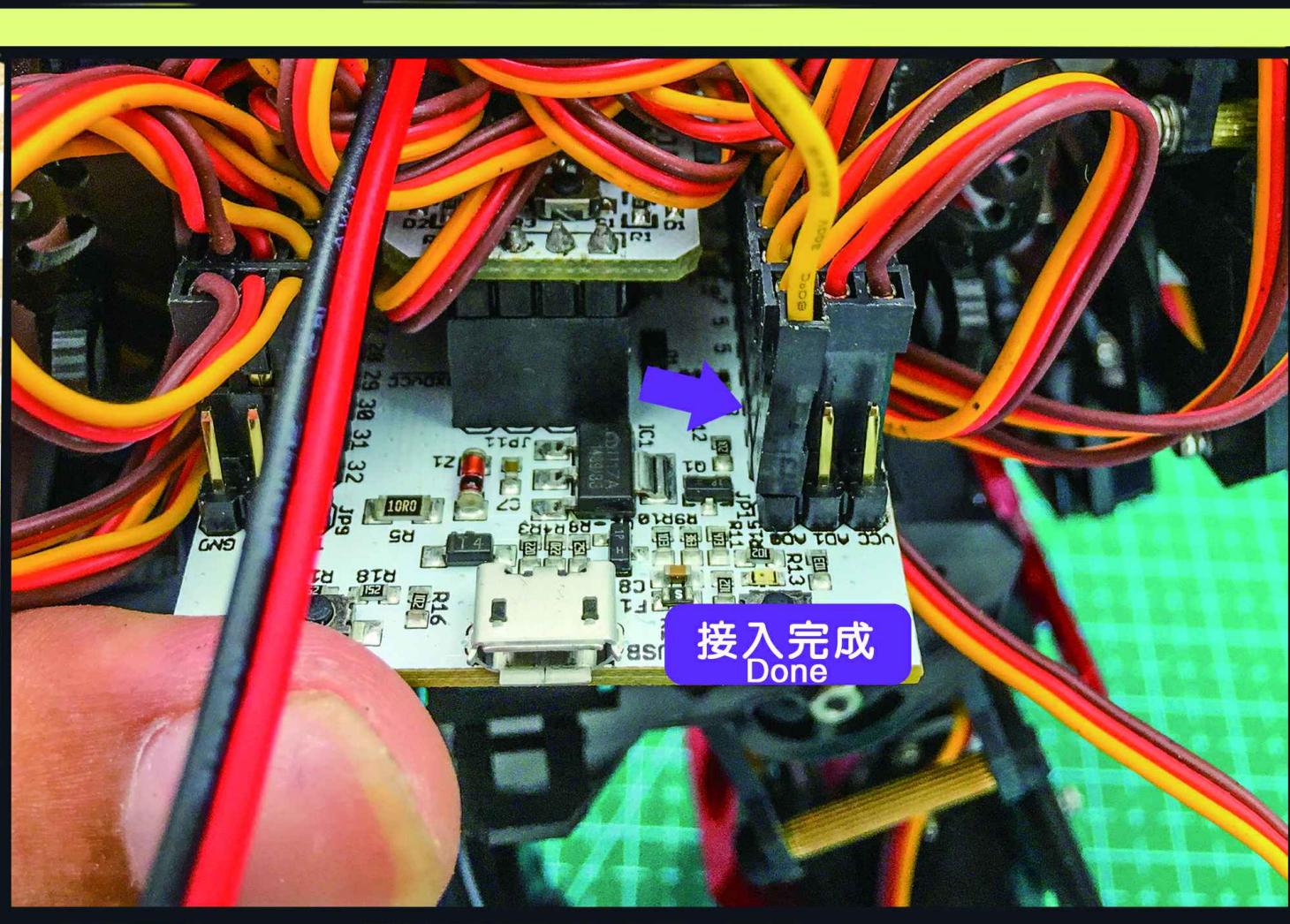
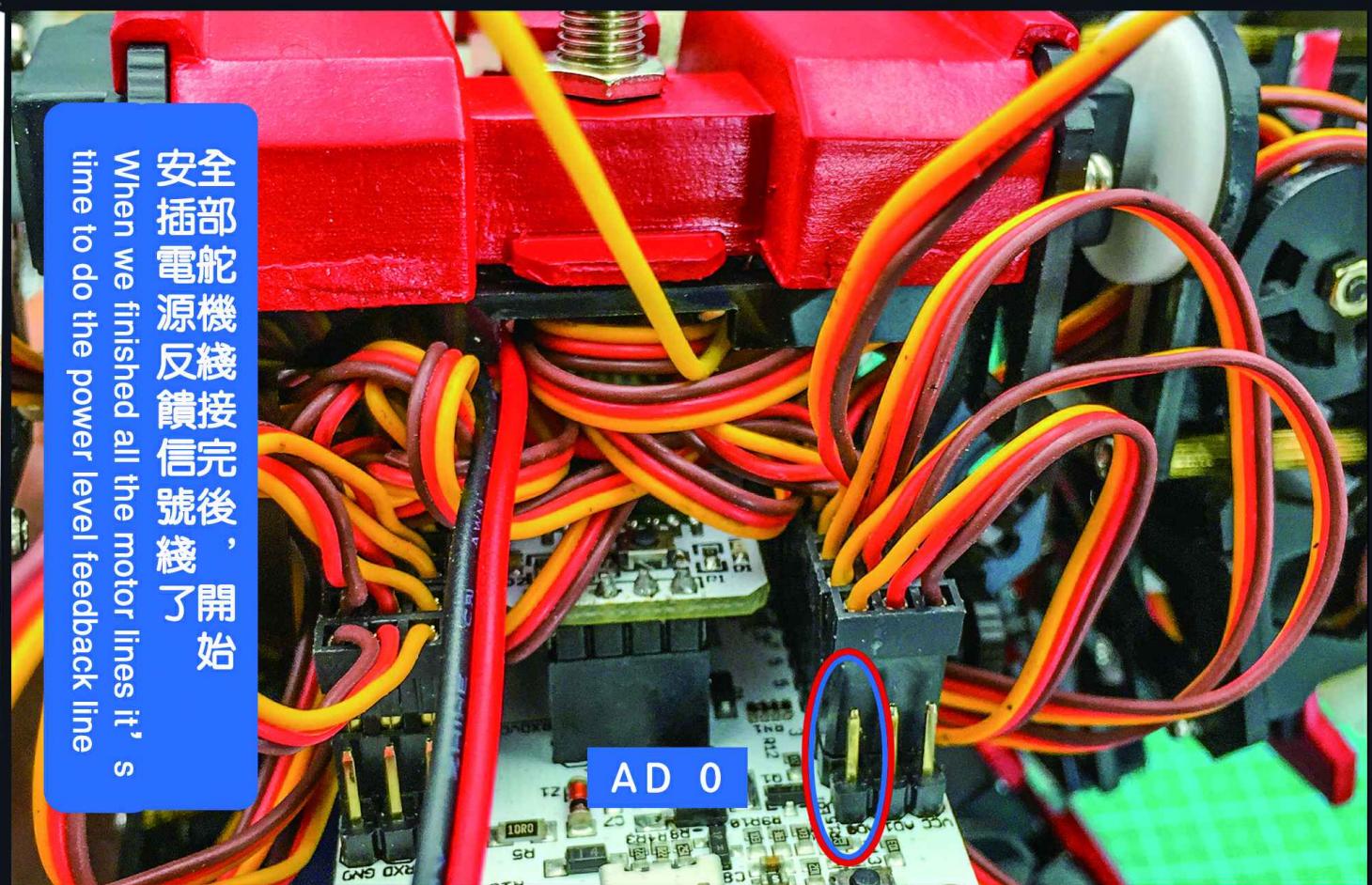


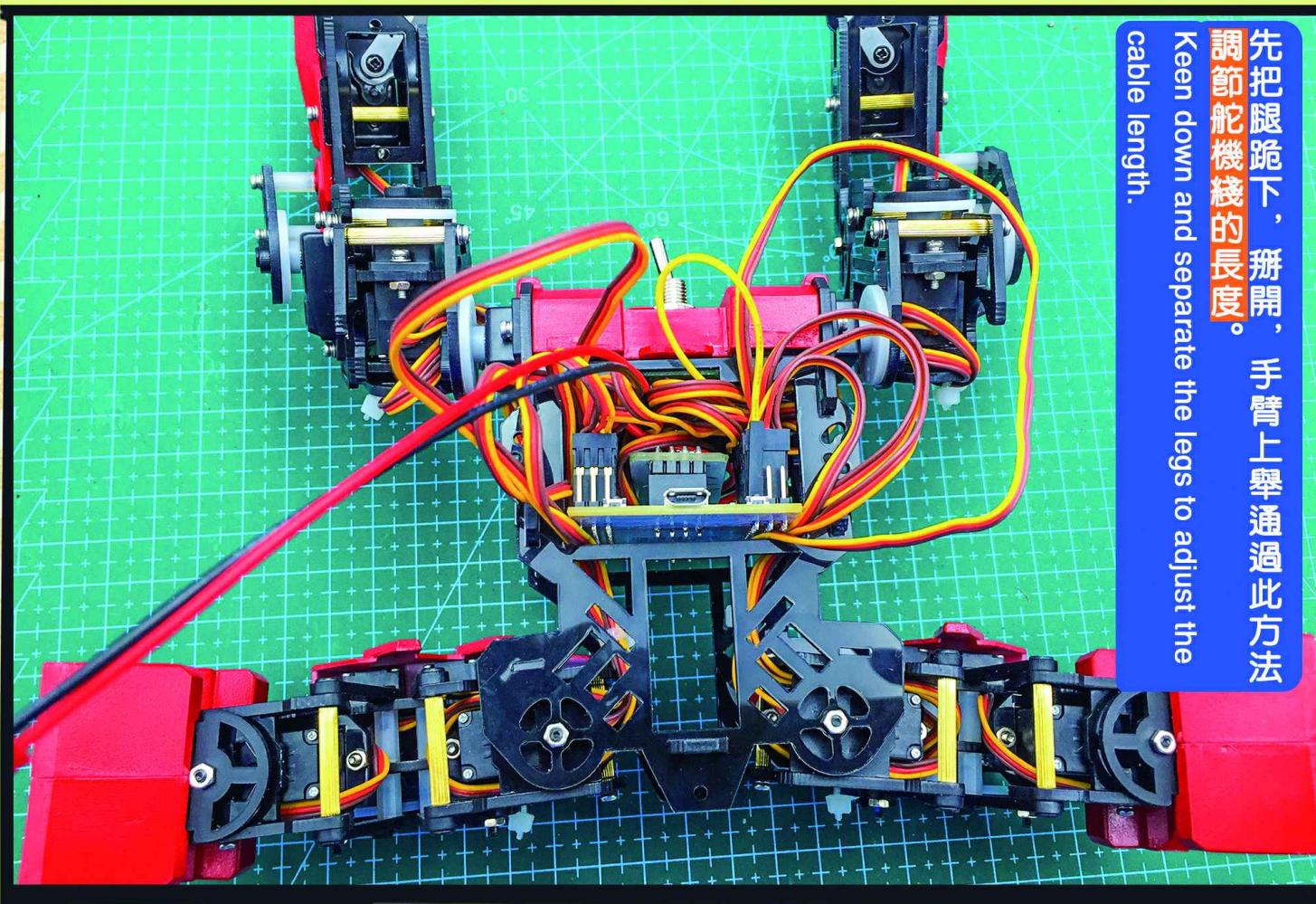
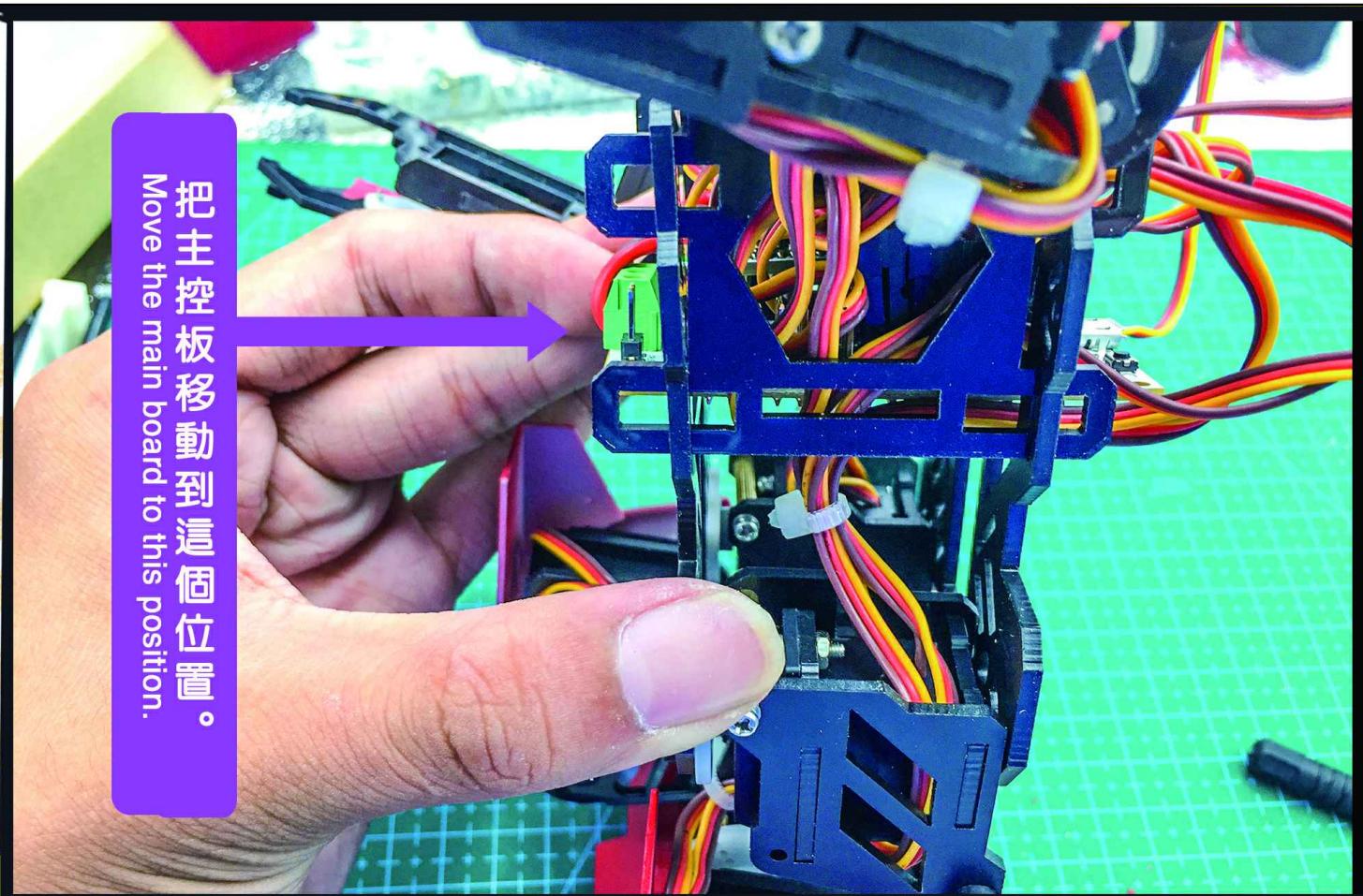


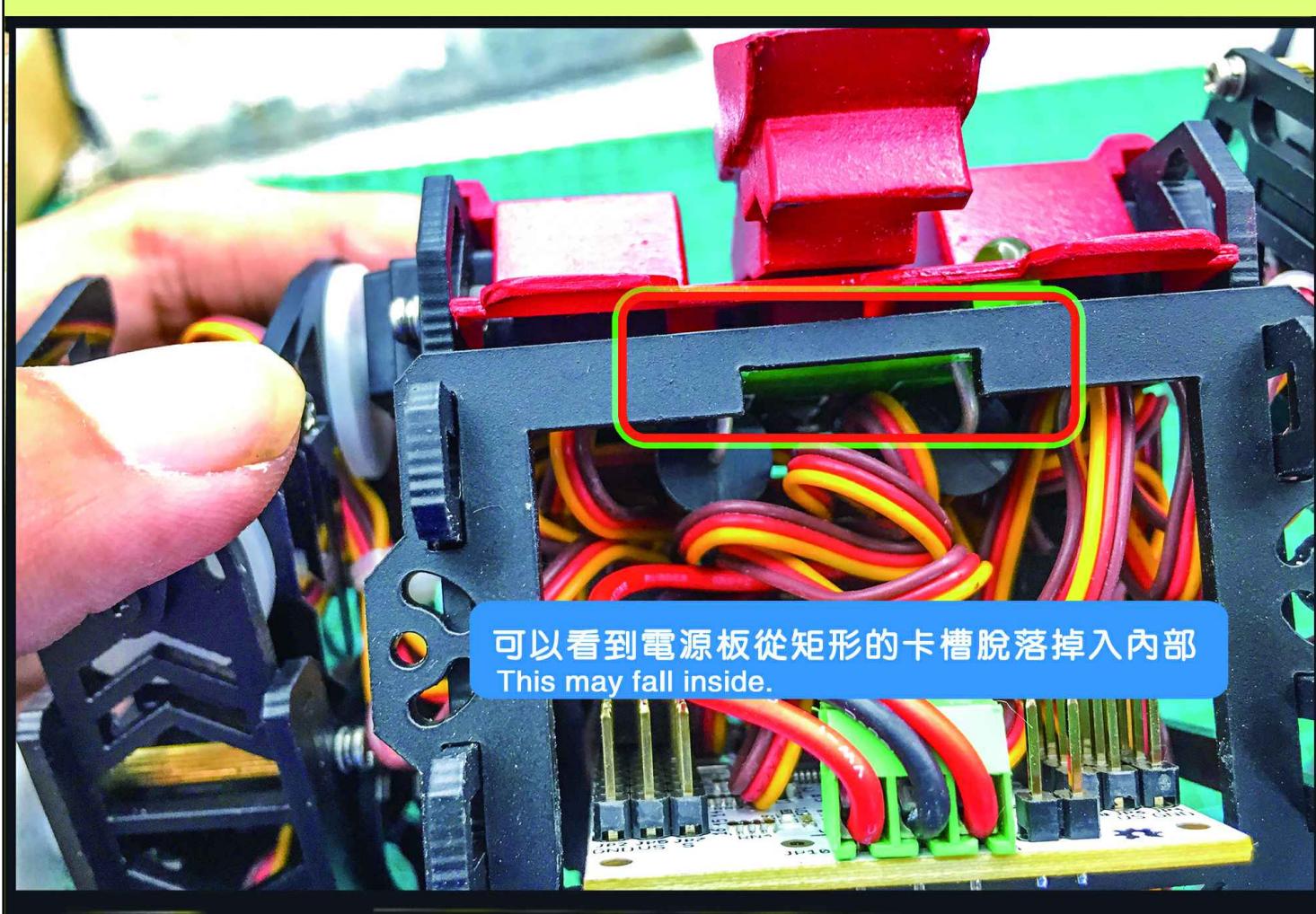
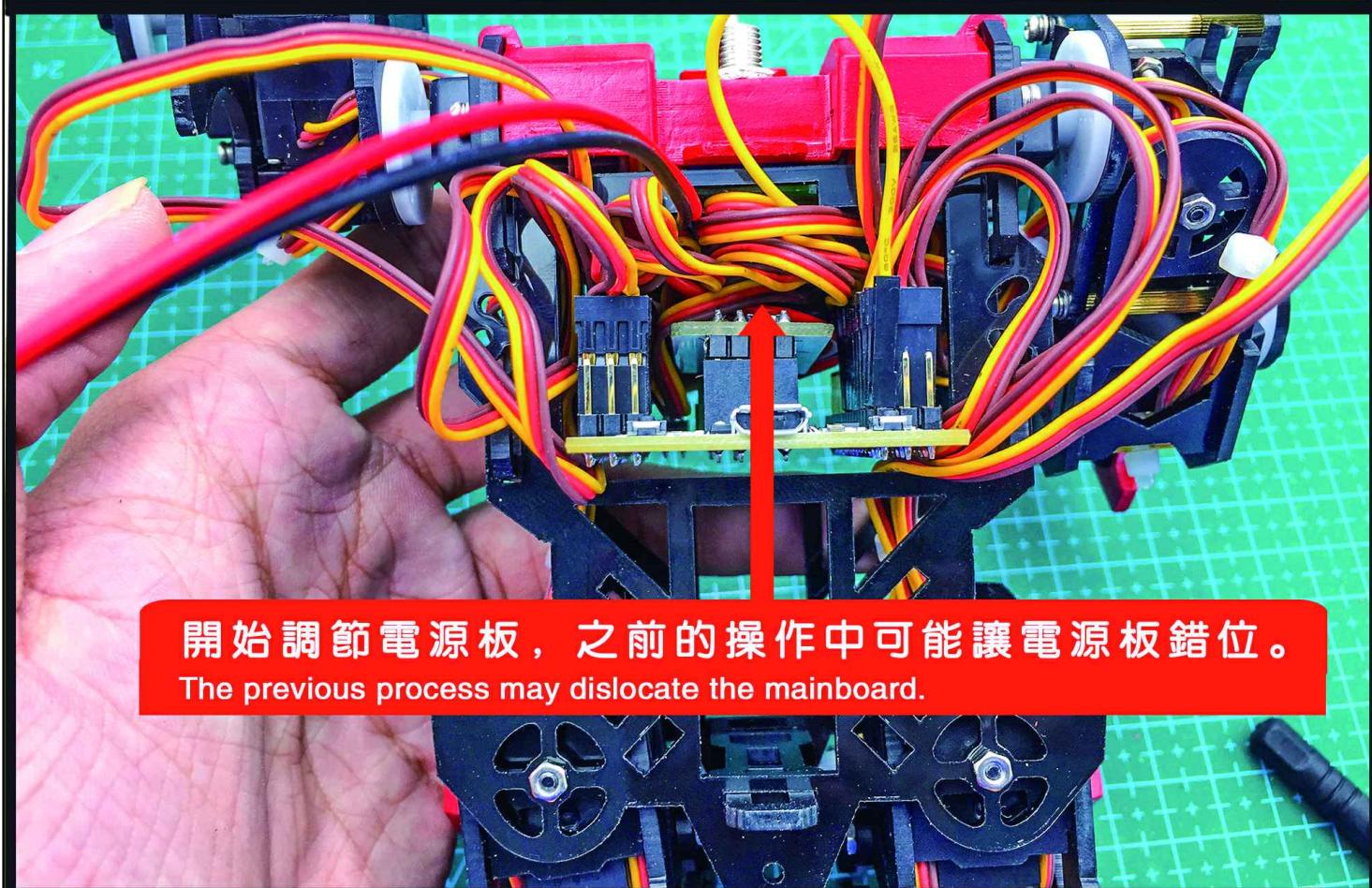


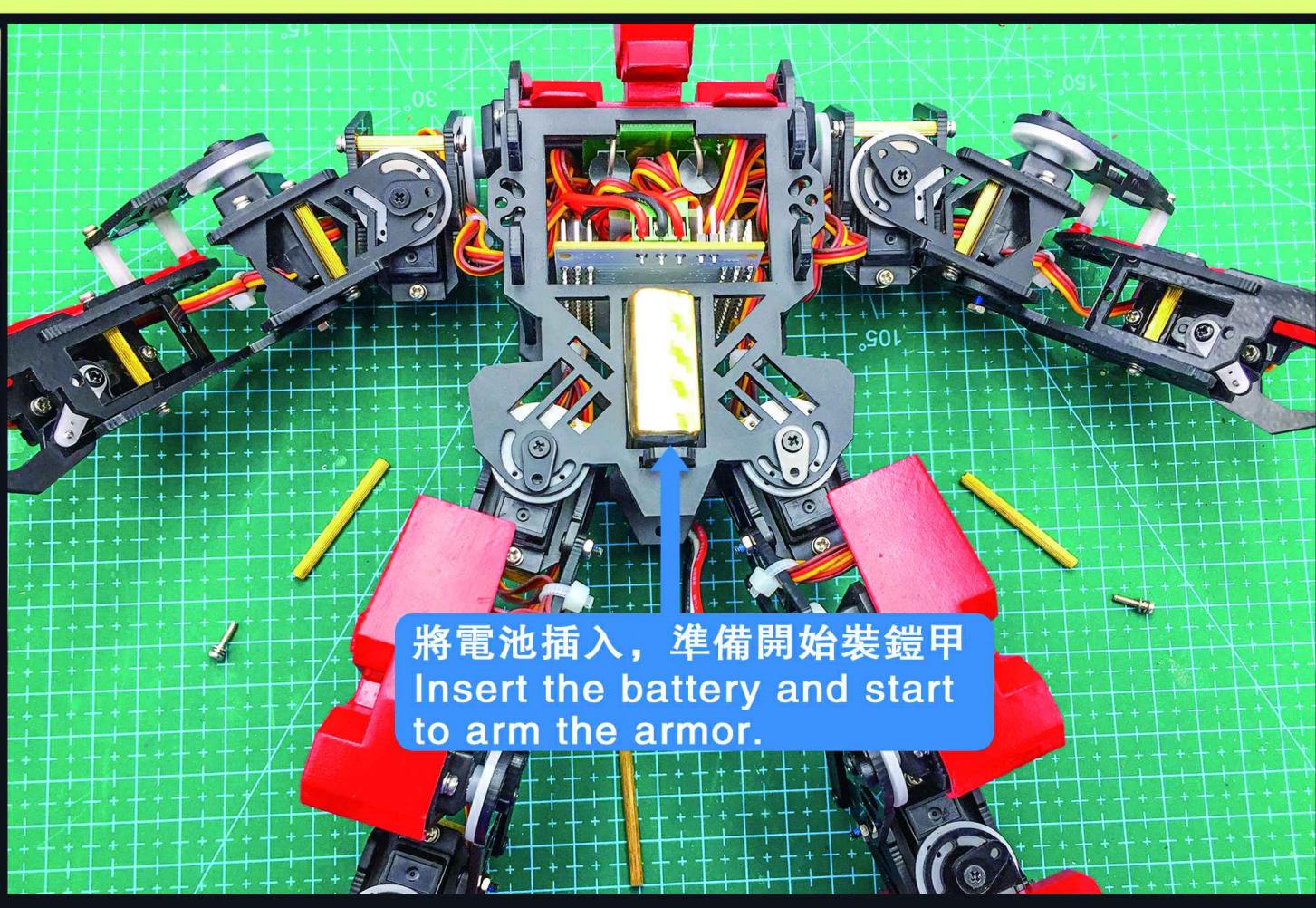


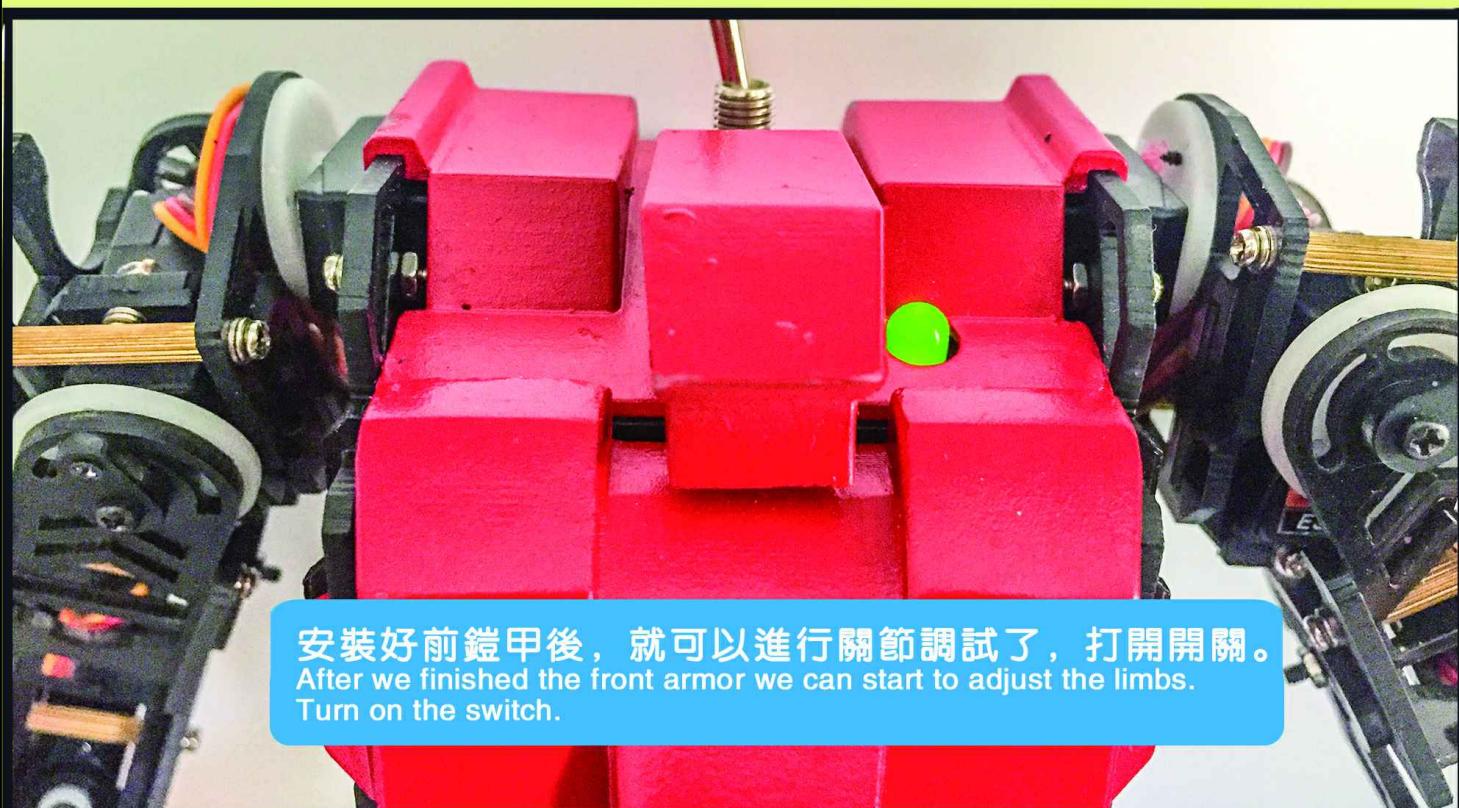
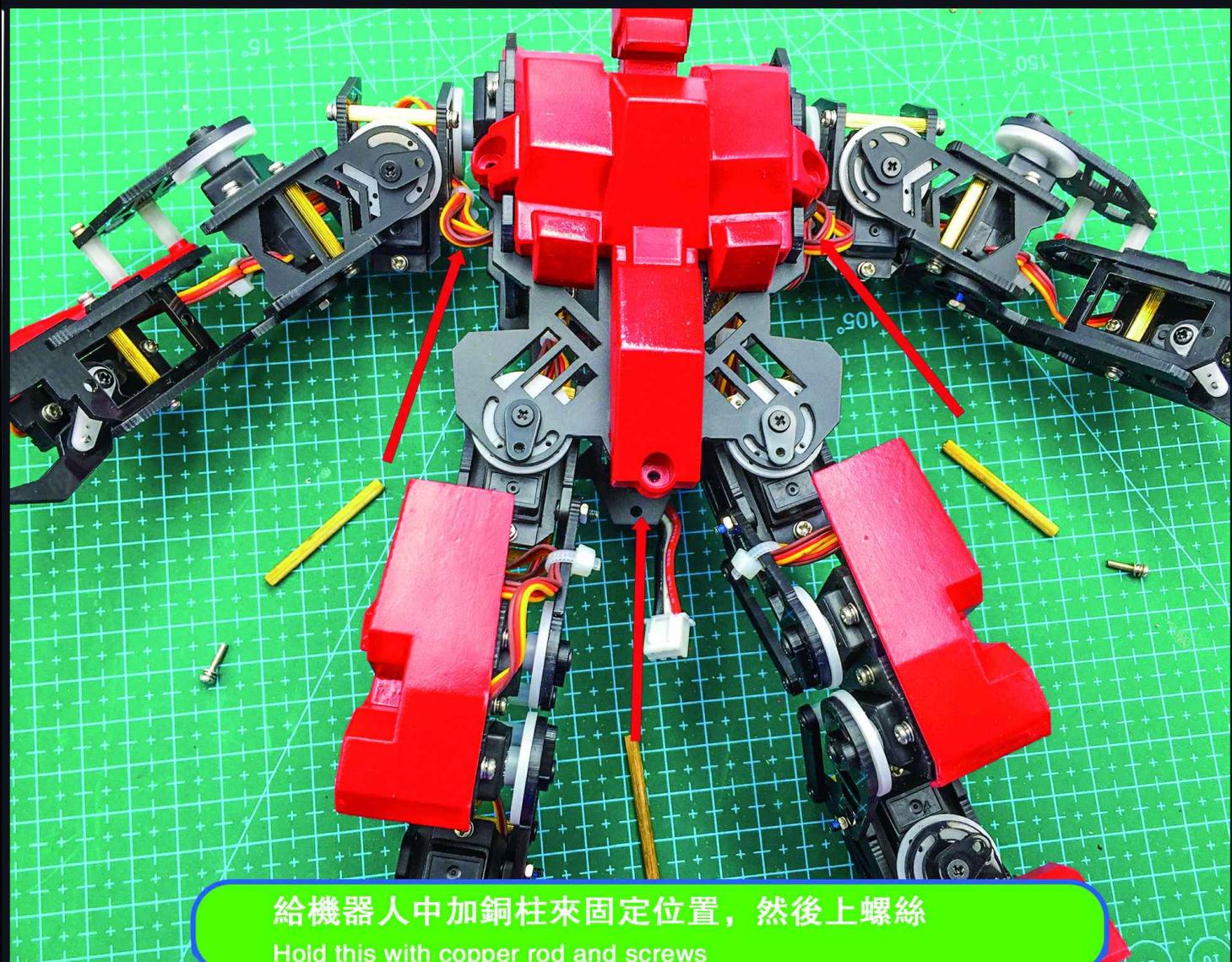


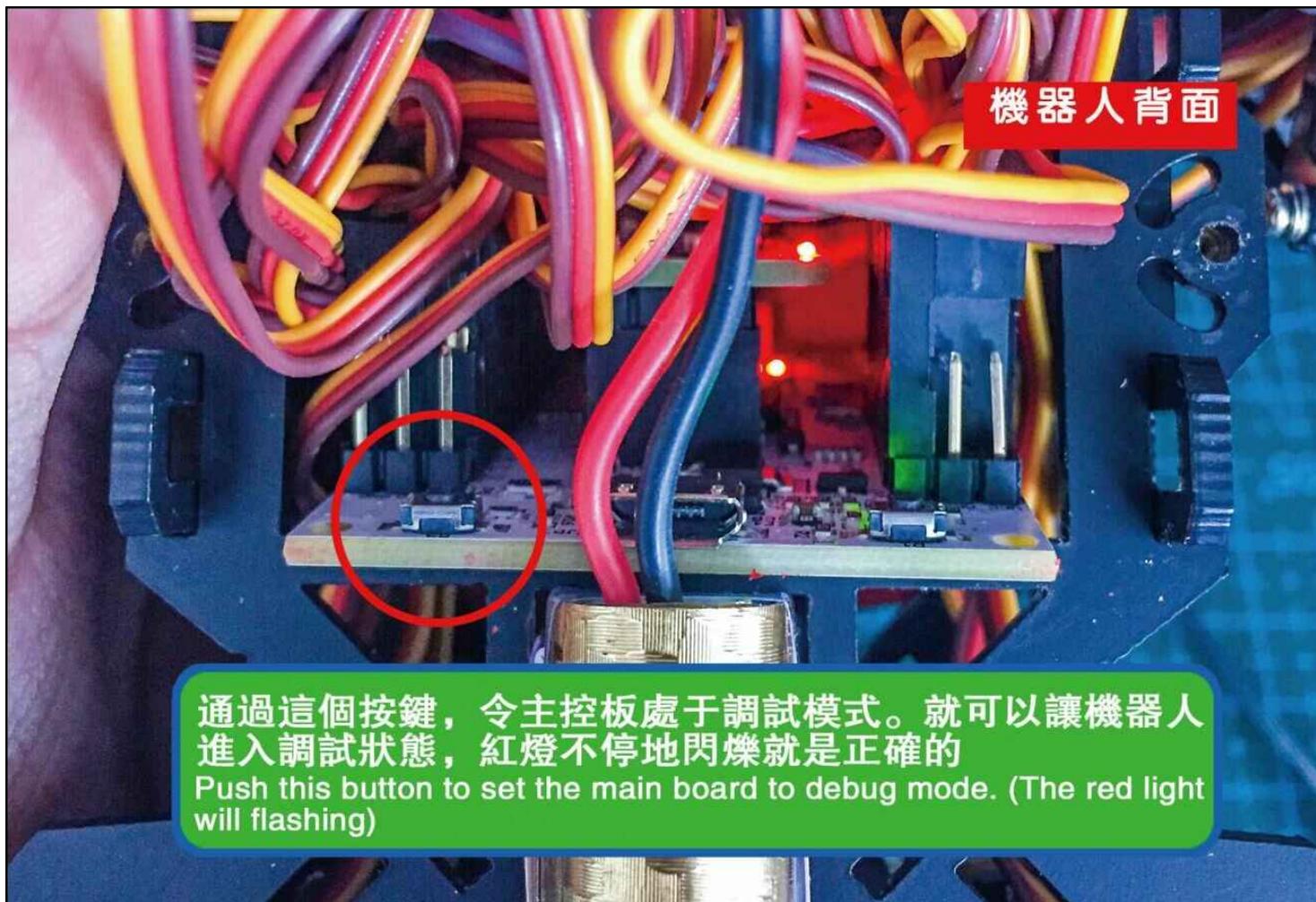






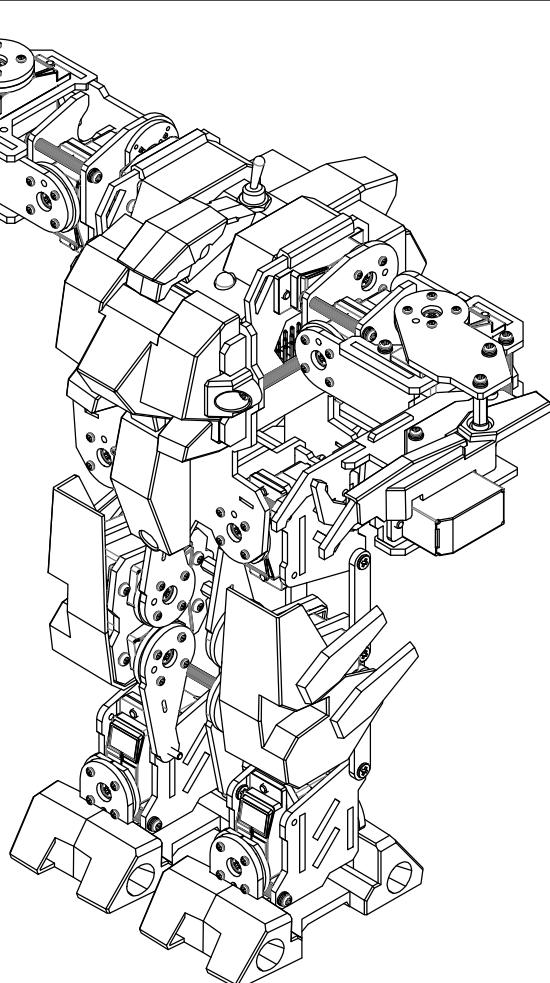




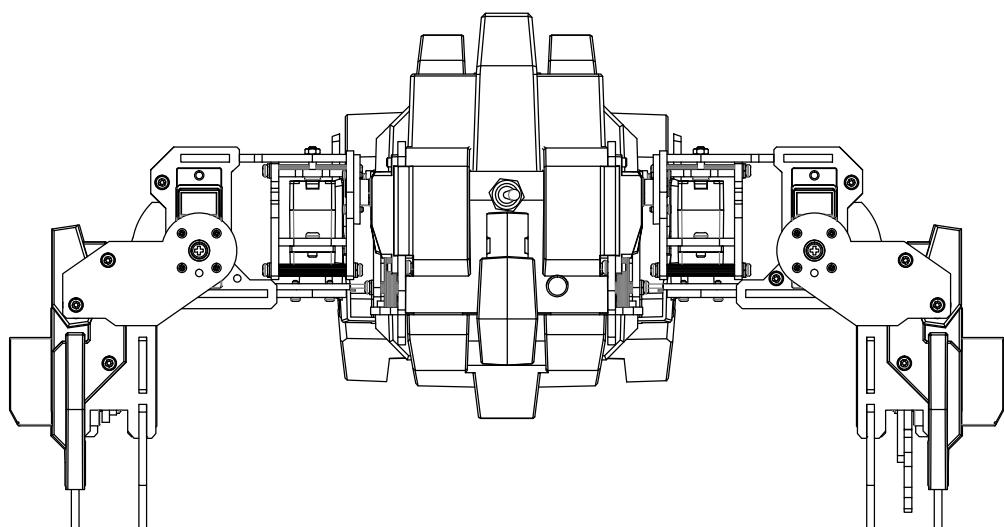
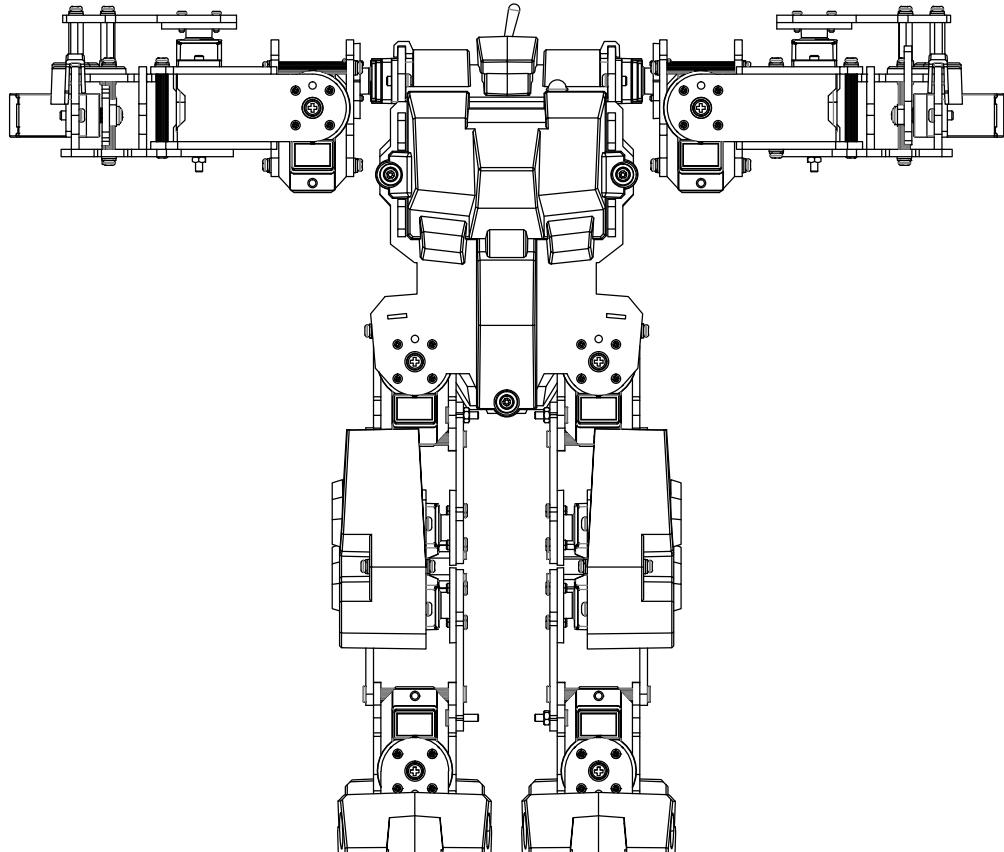


进入调试状态后，机器的各个关节会自动运动到调试姿态。

After entering the debug state of each joint of the machine will automatically move to the debug attitude.



调试状态
Debug state



调试状态下，机器各个关节的姿态应与上图一致，否则需要将舵盘与舵机分离然后重新装回去。

Debug mode, the machine each joint should be consistent with the attitude of the figure, or the need to separate the servo pad and the servo and then assembly back.

AIF-44-0 完成后 我还可以做什么

當你制作好阿波羅以後，一定很有成就感吧？
相信在這個時候，你一定會有一個疑問：

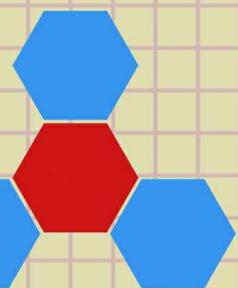
或者比你可許我用它來做什麼？
或者後如你以試着能給你用阿波羅做
分分你每天都能使你用阿波羅做
享給你都的小會做些建議
給你的小伙伴們那樣做
使的伙們欣賞

不關注它來錄制視頻制作你的專屬小電影
用它來錄制視頻制作你的專屬小電影

期還但注我們的官網和微博以及公眾號
期待你在我們官方的和你一樣的網友互交
相信你駕駛着你的將來動機甲我們官方擊敗對定期交舉辦
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