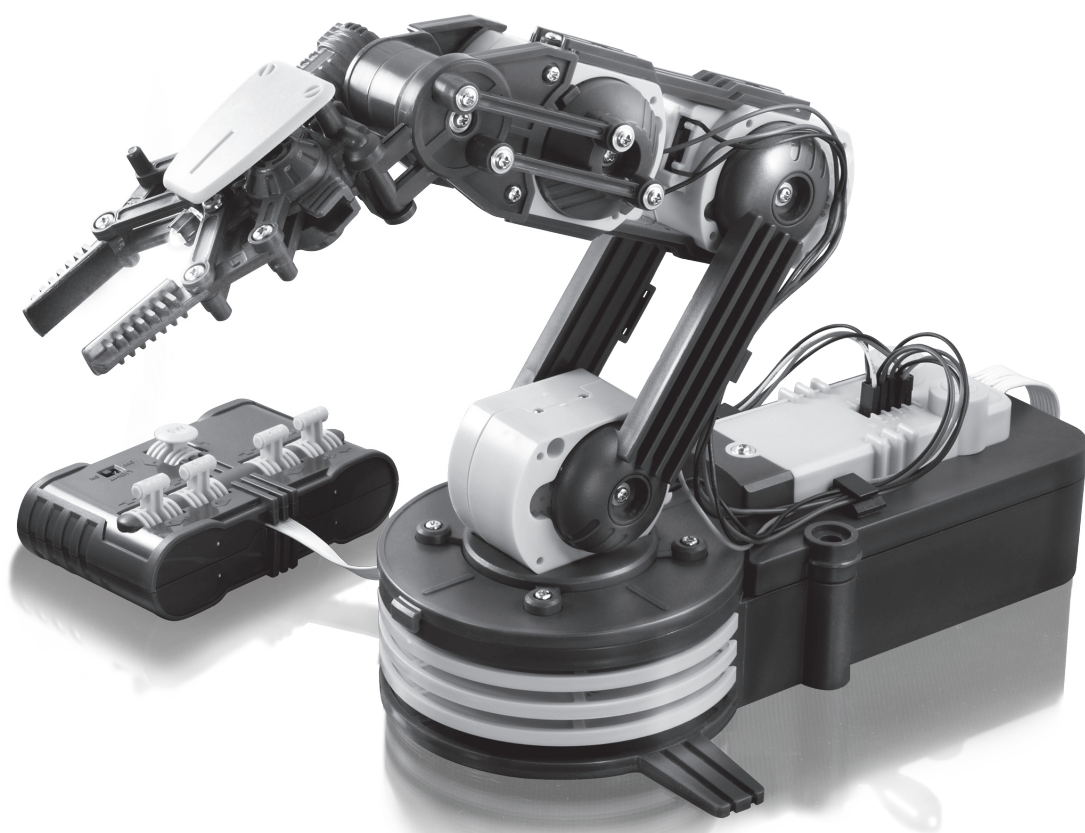


GE-535N

Pro'sKit®

動力機器手臂

Wired Control Robot Arm



Assembly & Instruction
Manual
組裝說明手冊

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遙控器：

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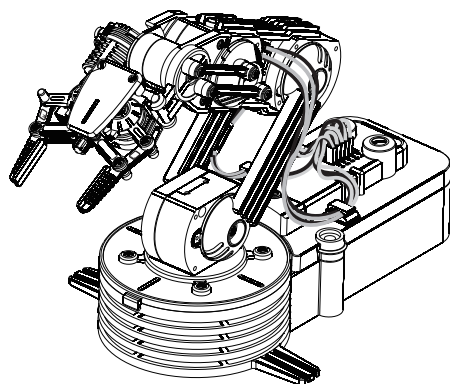


機器手臂

1

產品介紹

這款機器手臂可使孩子們透過組裝及操作過程，可以認識與了解機器手臂的機械動力原理。機器手臂藉由遙控器上的五個開關來啟動手臂的五個馬達進行多軸控制，搭配270度旋轉的底座，180度腕關節旋轉，無論抓取、抬高、下降或是鬆開夾爪，操控起來相當順手，內建探照燈讓您在黑暗中也能操縱自如！

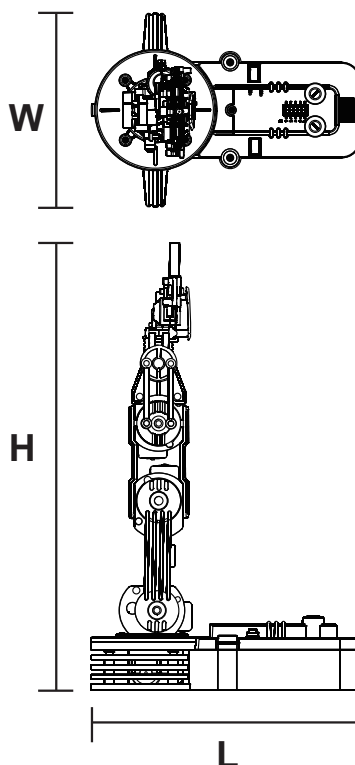


最大舉重：100g

尺寸：長 9" x 寬 6.3" x 高15"

重量：658g

電池：1號(D)電池 x 4(產品未付)



警告

1. 本玩具內含小物件，請勿讓三歲以下孩童取得，以免放入口中造成窒息。
2. 兒童使用剪切工具時，請家長指導使用方式，並請在家長監督下使用，以免發生意外。
3. 為避免嬰兒或兒童產生窒息的危險，請於拆卸後立即將塑膠袋銷毀或遠離嬰兒及兒童。

2

自備工具如下

尖嘴鉗



斜口鉗



十字起子

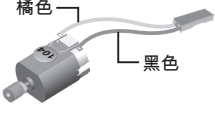


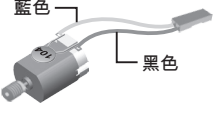
1號(D)電池 x 4

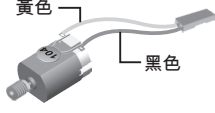


3 零件清單：

! 部分零件含有銳利的邊緣及尖角，組裝時請注意

P1	馬達端子組(M4.M5)	數量
		2

P2	馬達端子組(M2.M3)	數量
		2

P3	馬達端子組(M1)	數量
		1

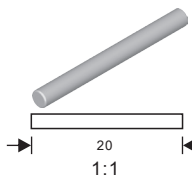
P4	齒輪(灰)	數量
		10

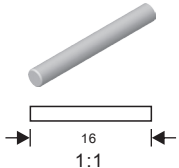
P5	齒輪(棕)	數量
		5

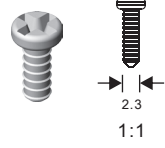
P6	轉接齒輪(藍)	數量
		5

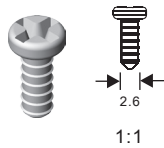
P7	出力齒輪(黑)	數量
		4

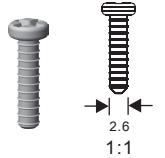
P8	出力齒輪(白)	數量
		1

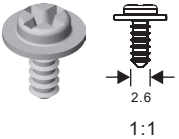
P9	圓軸	數量
		9 (2x20)

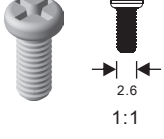
P10	圓軸	數量
		1 (2x16)

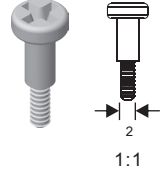
P11	自攻螺絲	數量
		5 (2.3x7)

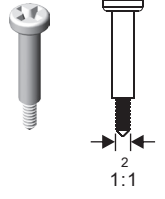
P12	自攻螺絲	數量
		11 (2.6x6)

P13	自攻螺絲	數量
		19 (2.6x10)

P14	華司螺絲	數量
		12 (2.6x6)

P15	機械螺絲	數量
		10 (2.6x6)

P16	自攻螺絲	數量
		4 (3x11)

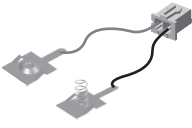
P17	自攻螺絲	數量
		3 (3x16)

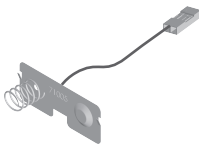
P18	螺母	數量
		16

❗ 請勿將電線連接到其他電源或牆上插座

❗ 請勿將電線連接到其他電源或牆上插座

P19	華司
	數量
	3

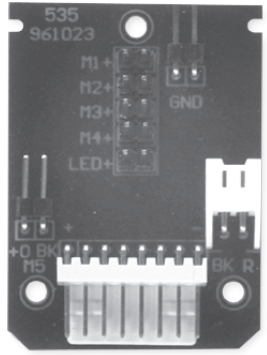
P20	電池彈片端子組
	數量
	1

P21	電池彈片連接器組
	數量
	1

P22	LED組
	數量
	1

P23	泡棉(黑)
	數量
	2

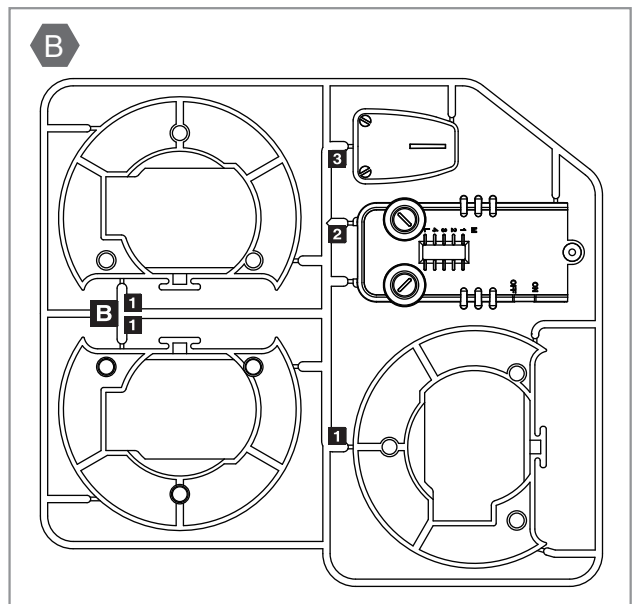
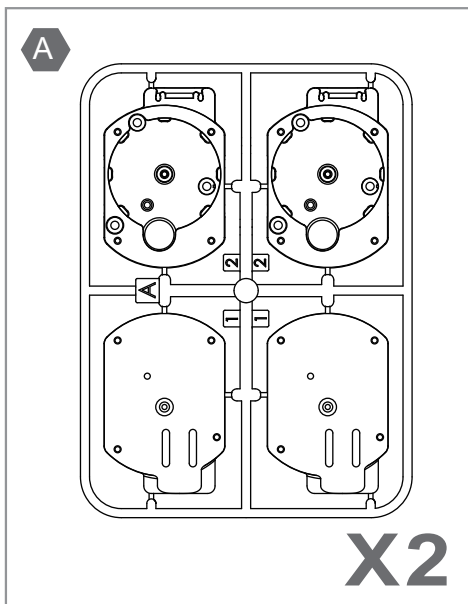
P24	線夾
	數量
	3

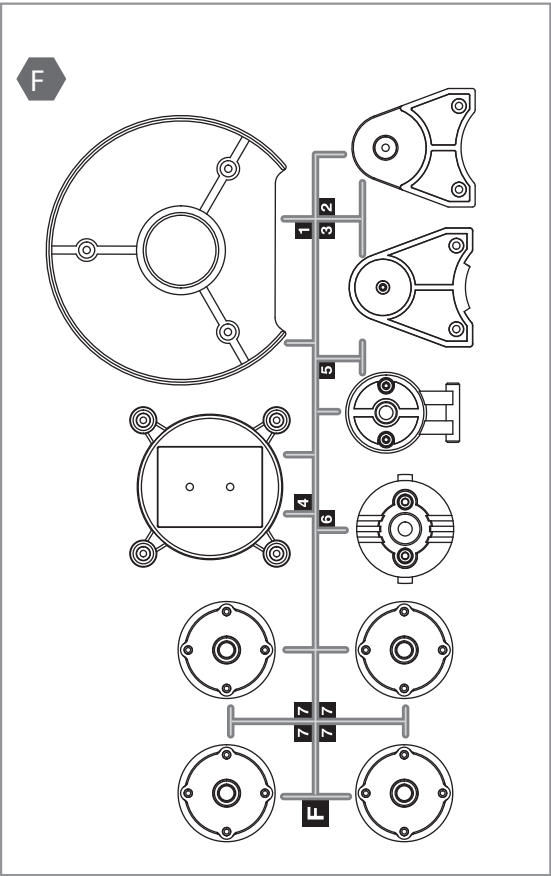
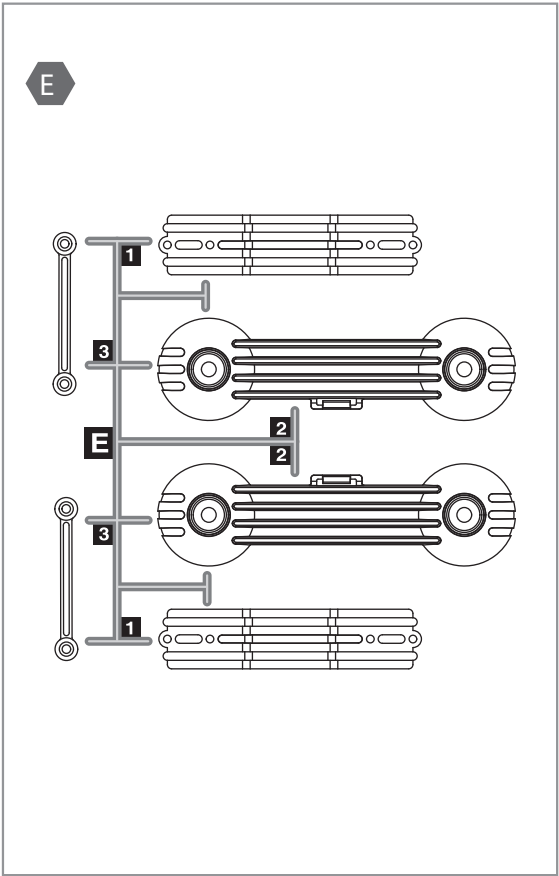
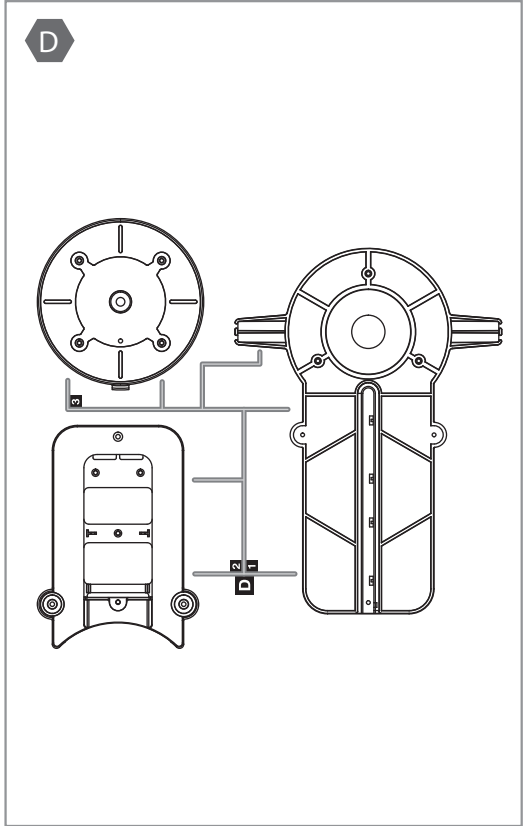
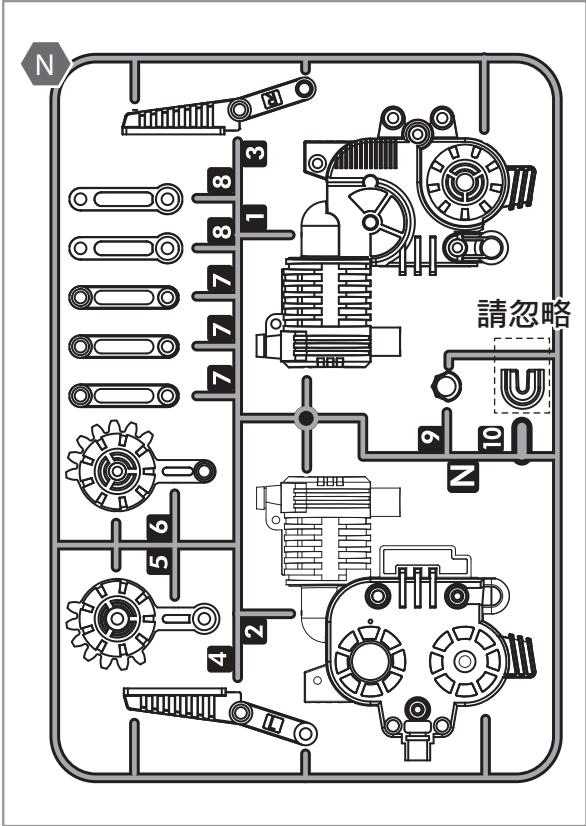
P25	電路板
	數量
	1

P26	墊片
	數量
	3

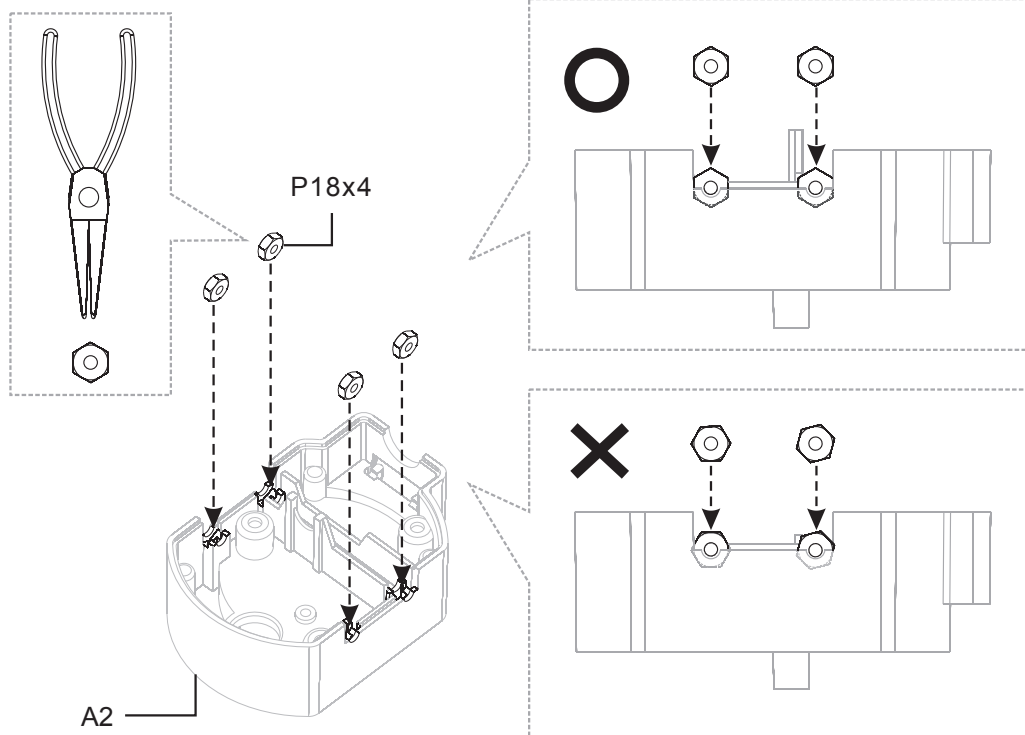
4

塑膠模型零件

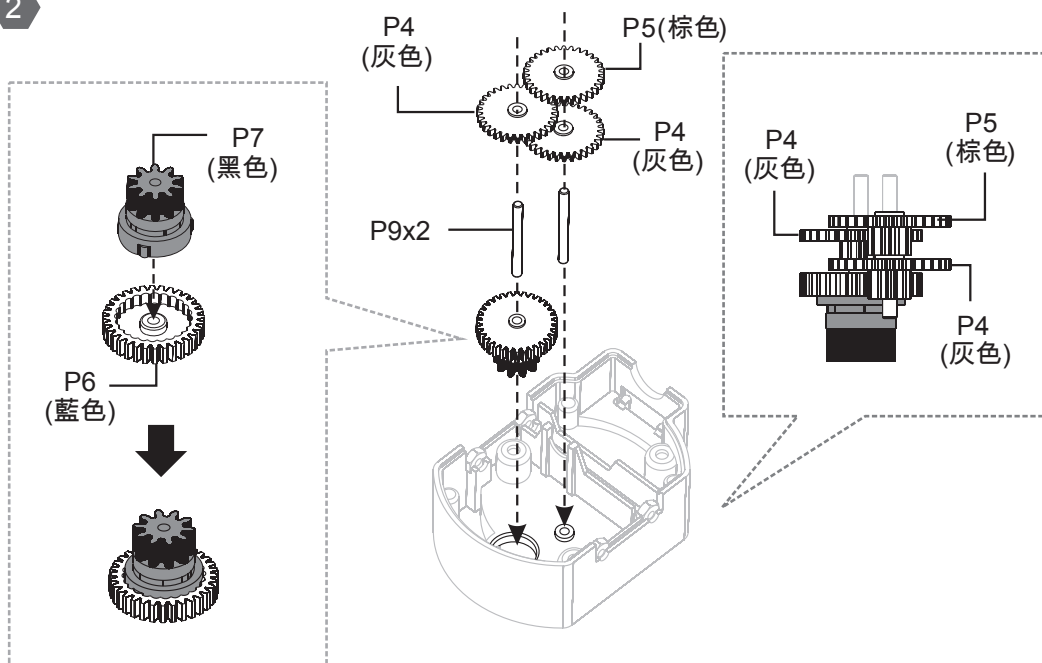




1 齒輪箱組裝(M4 / M5)



2



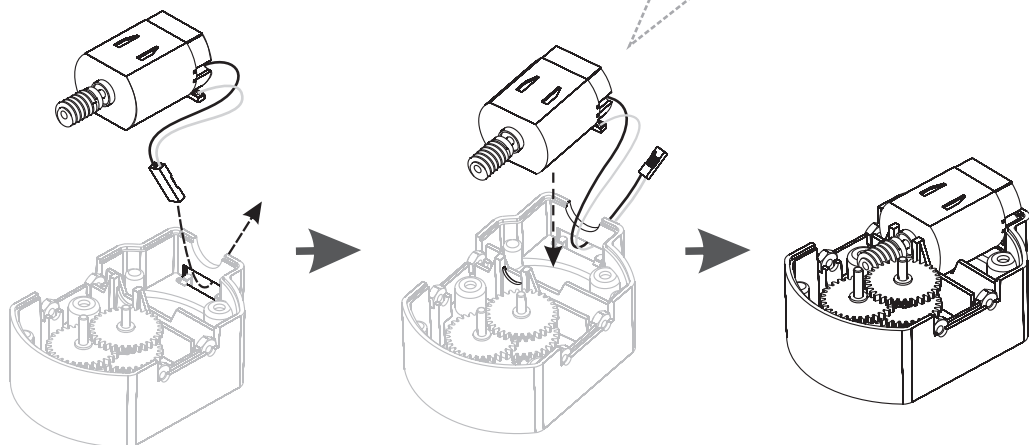
3

黑色
橘色

P1

×

○



4

A1

P13x3

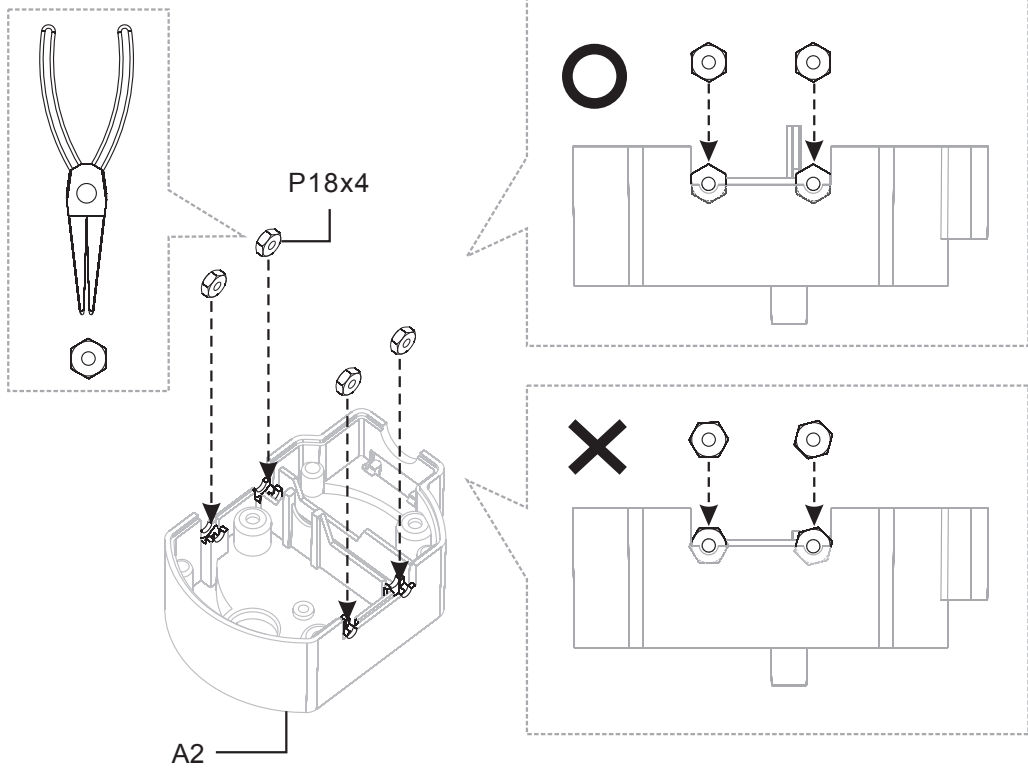
橘色

黑色

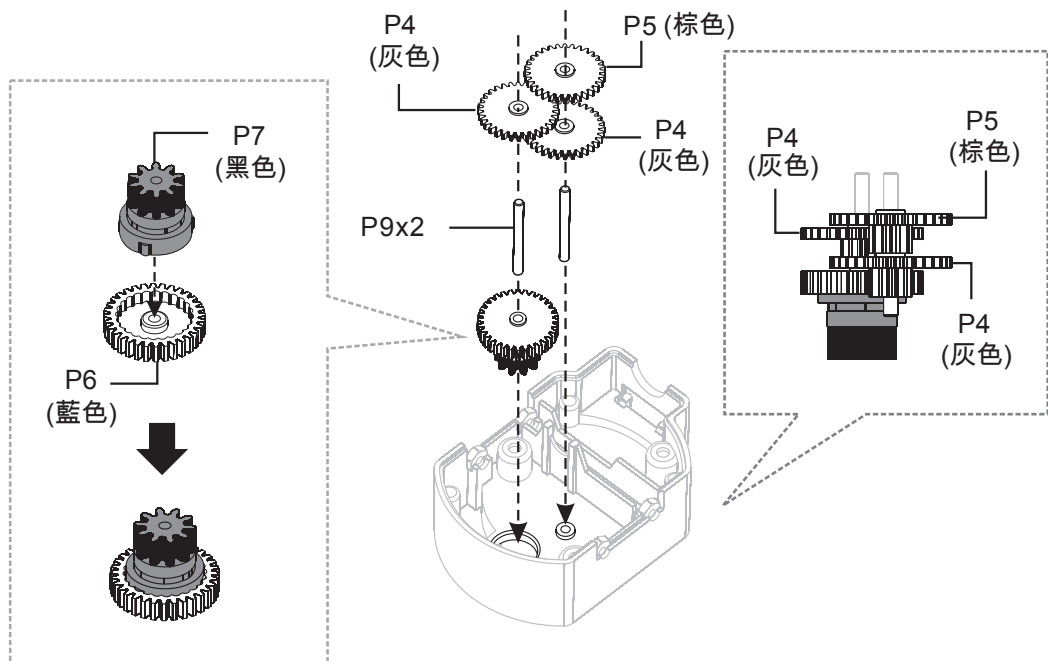
(M4 / M5)

請做 2 組

5 齒輪箱組裝(M3)



6



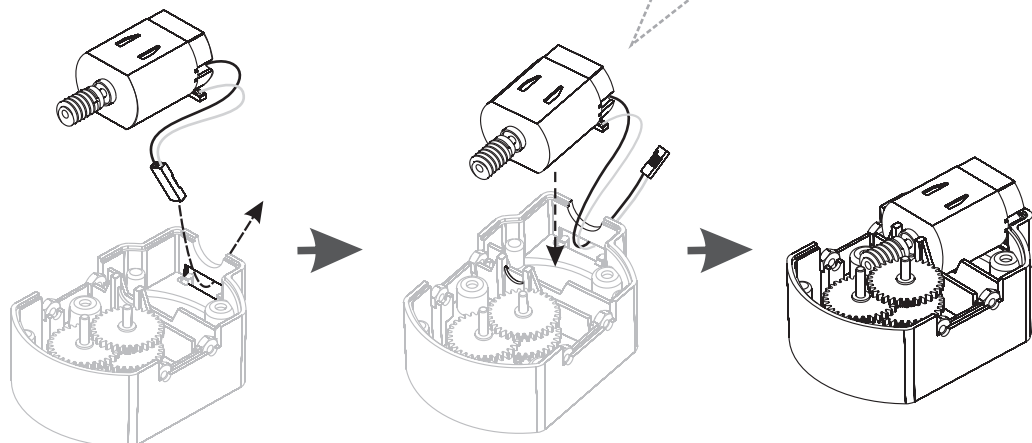
7

黑色
藍色

P2

×

○



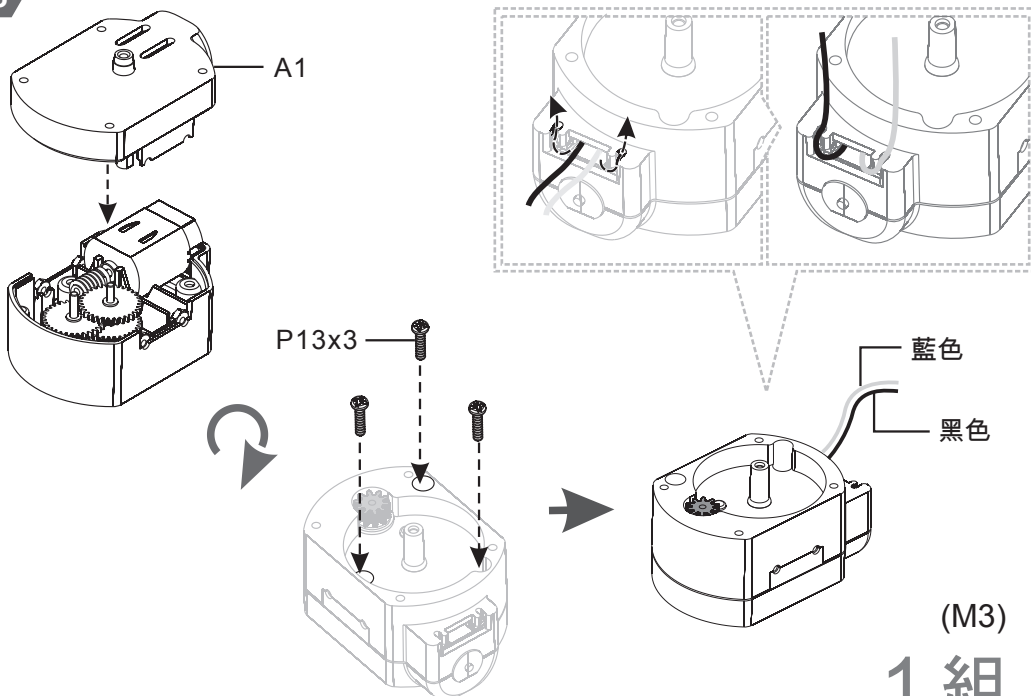
8

P13x3

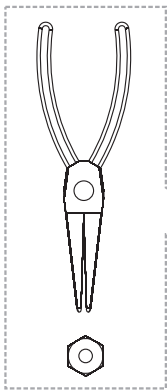
藍色
黑色

(M3)

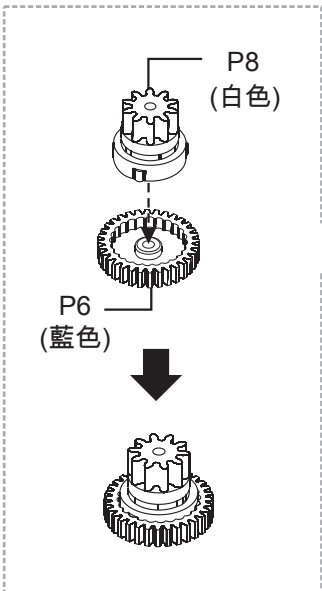
1 組



9



10



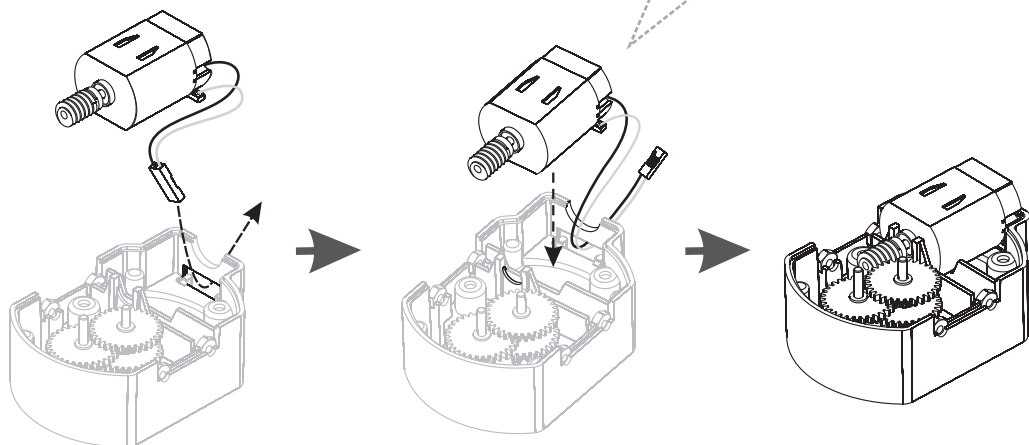
11

黑色
藍色

P2

×

○



12

A1

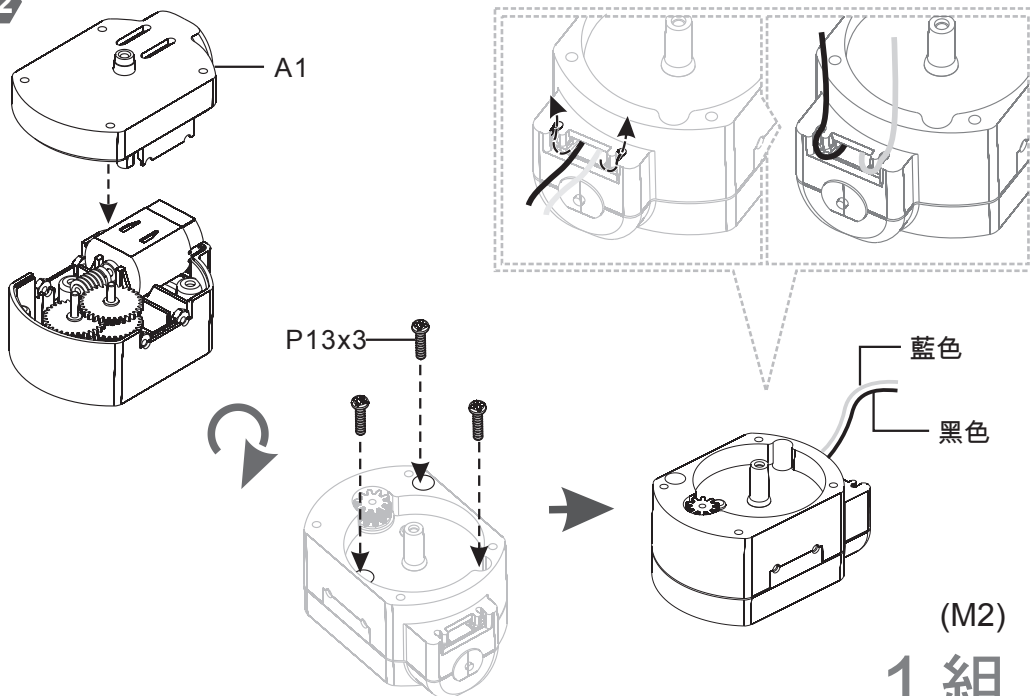
P13x3

藍色

黑色

(M2)

1 組



13

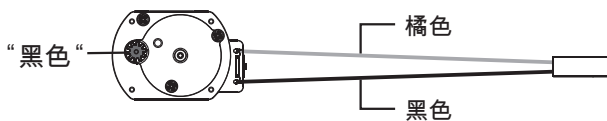
M2



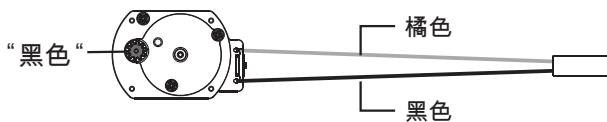
M3



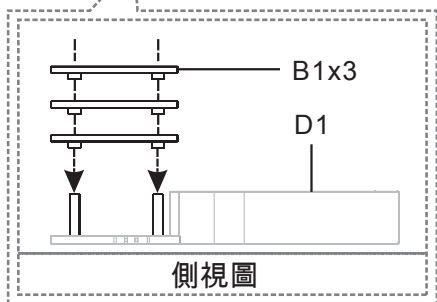
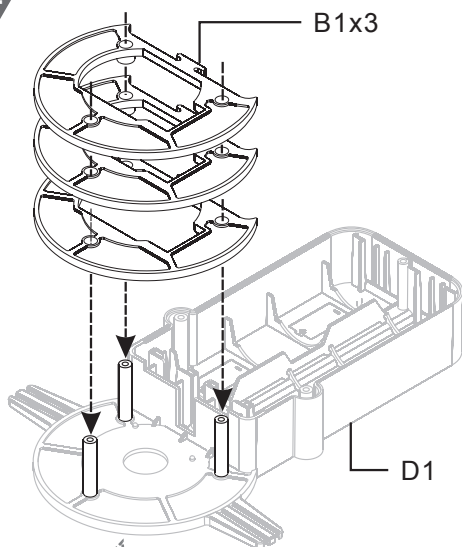
M4



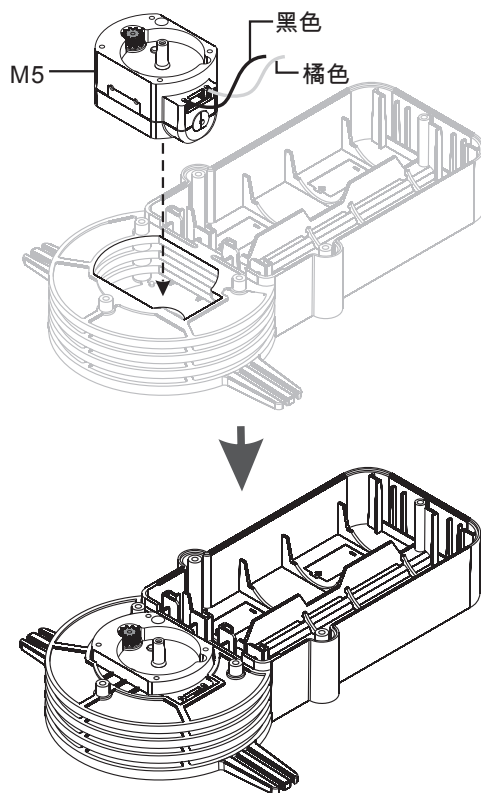
M5



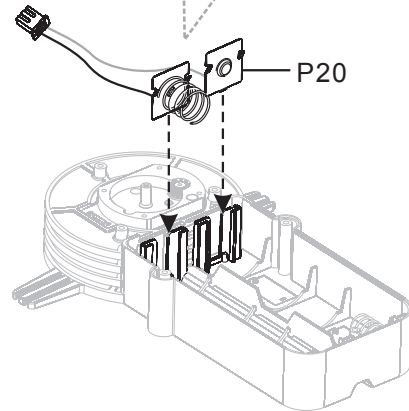
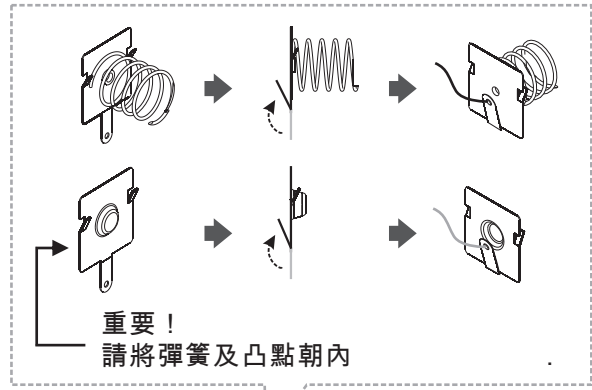
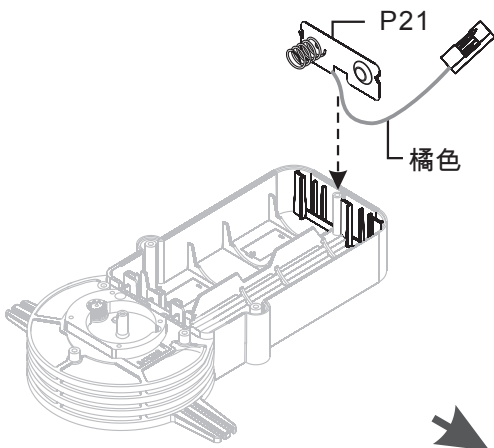
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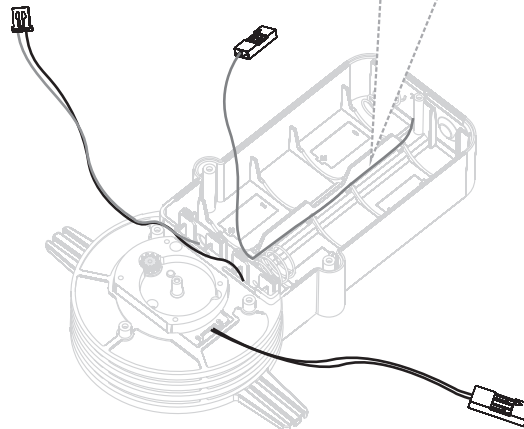
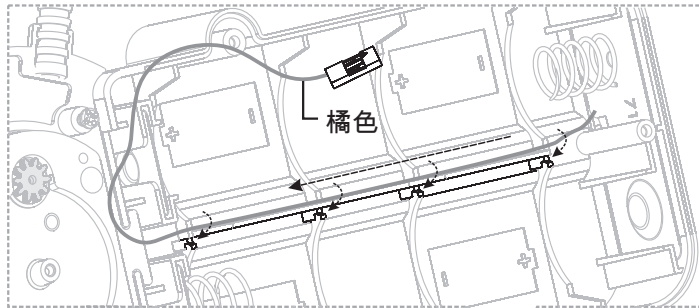
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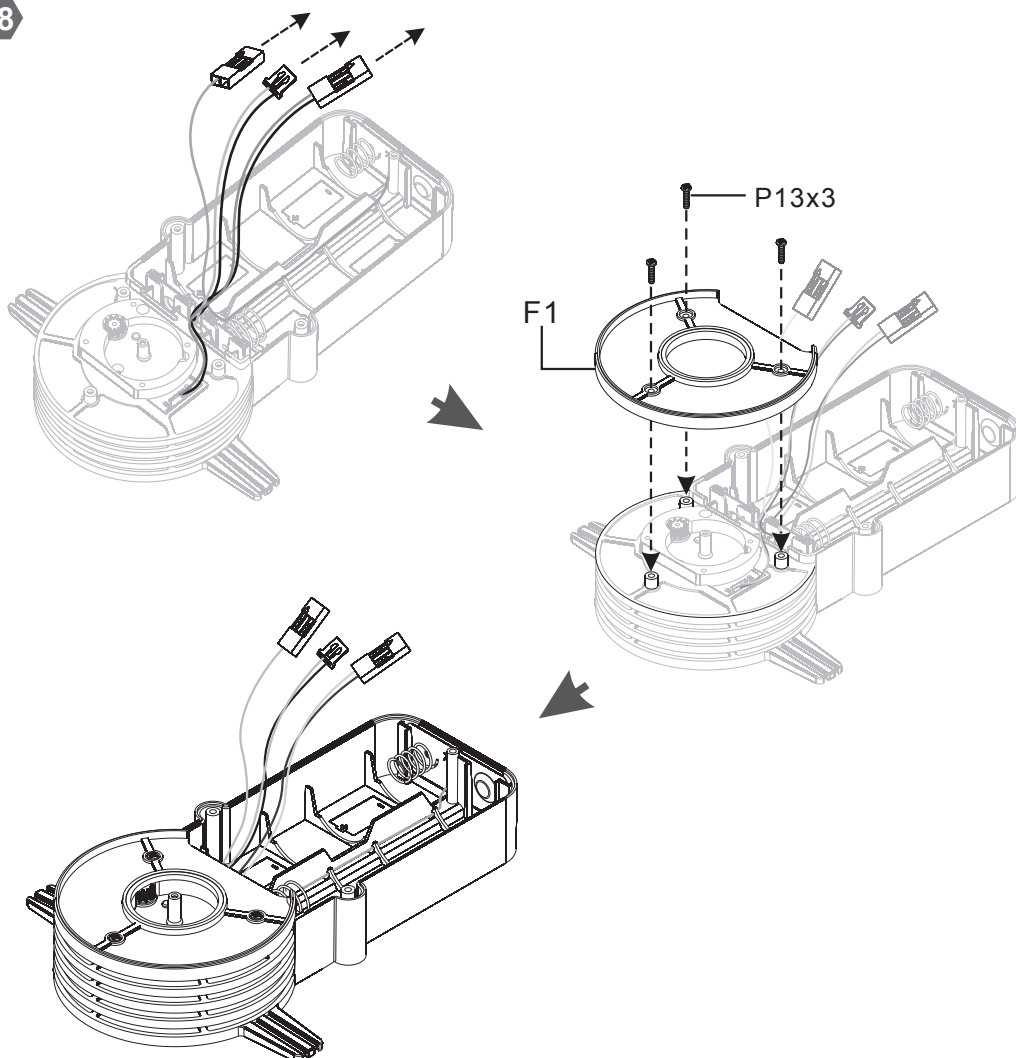
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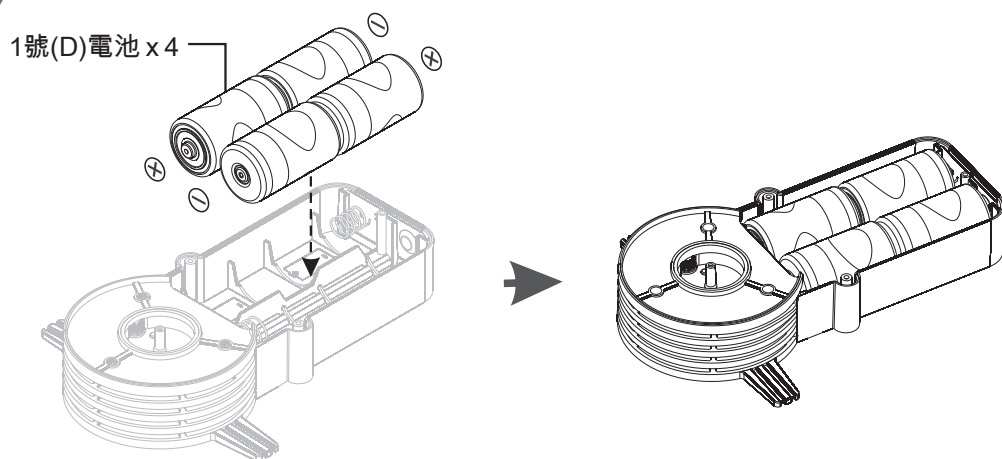
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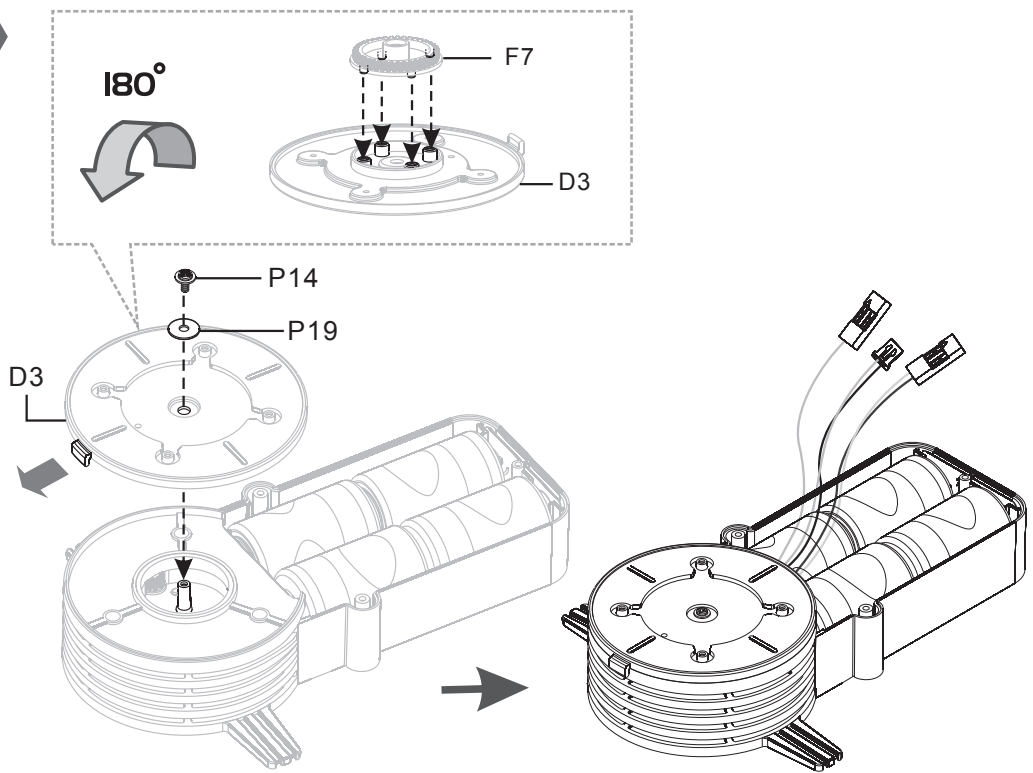
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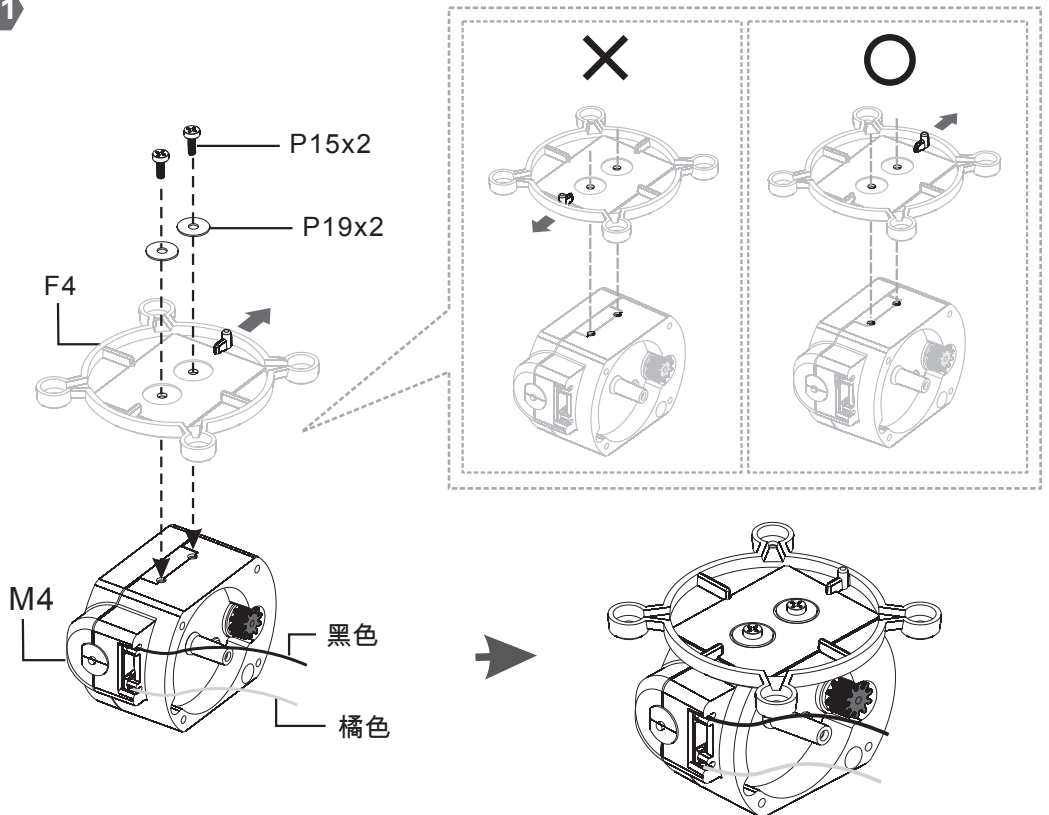
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20



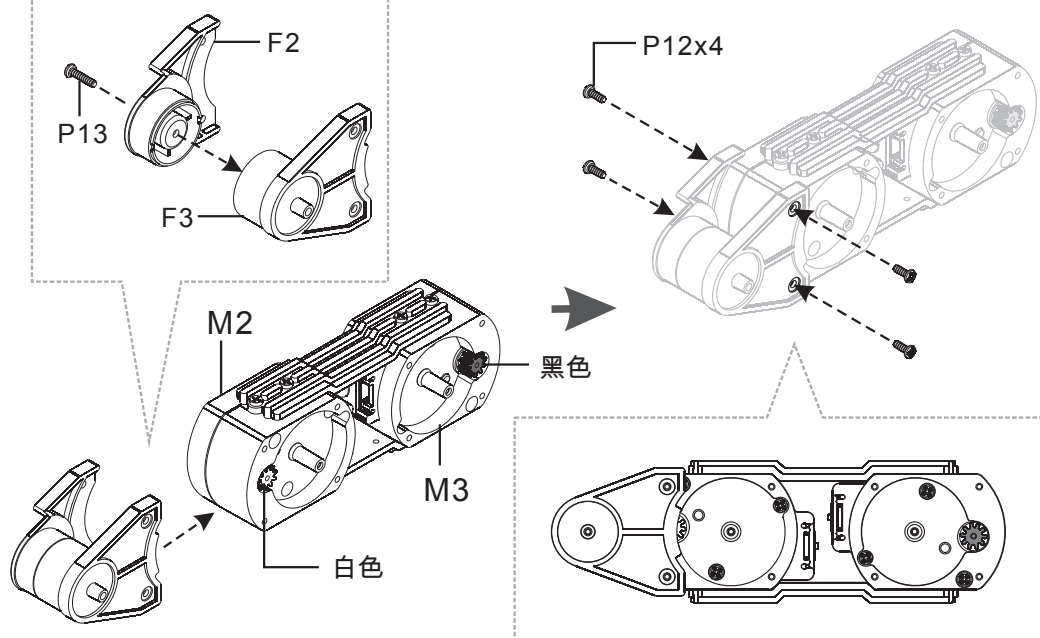
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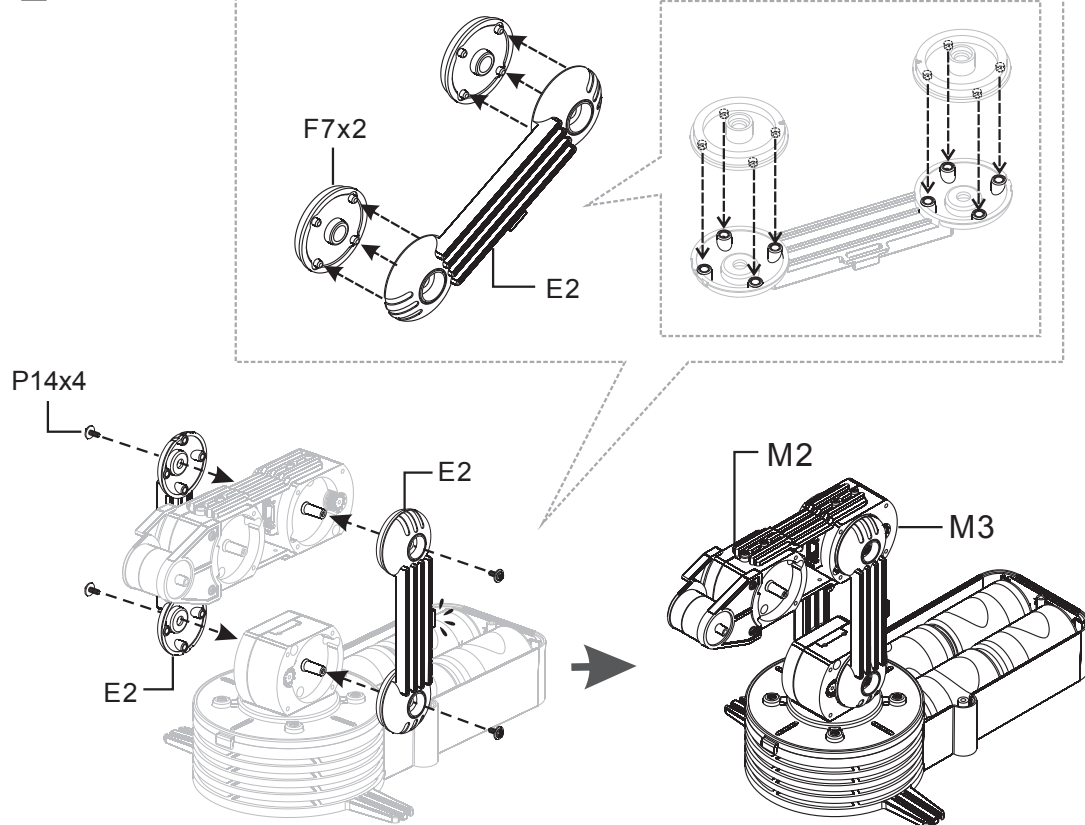
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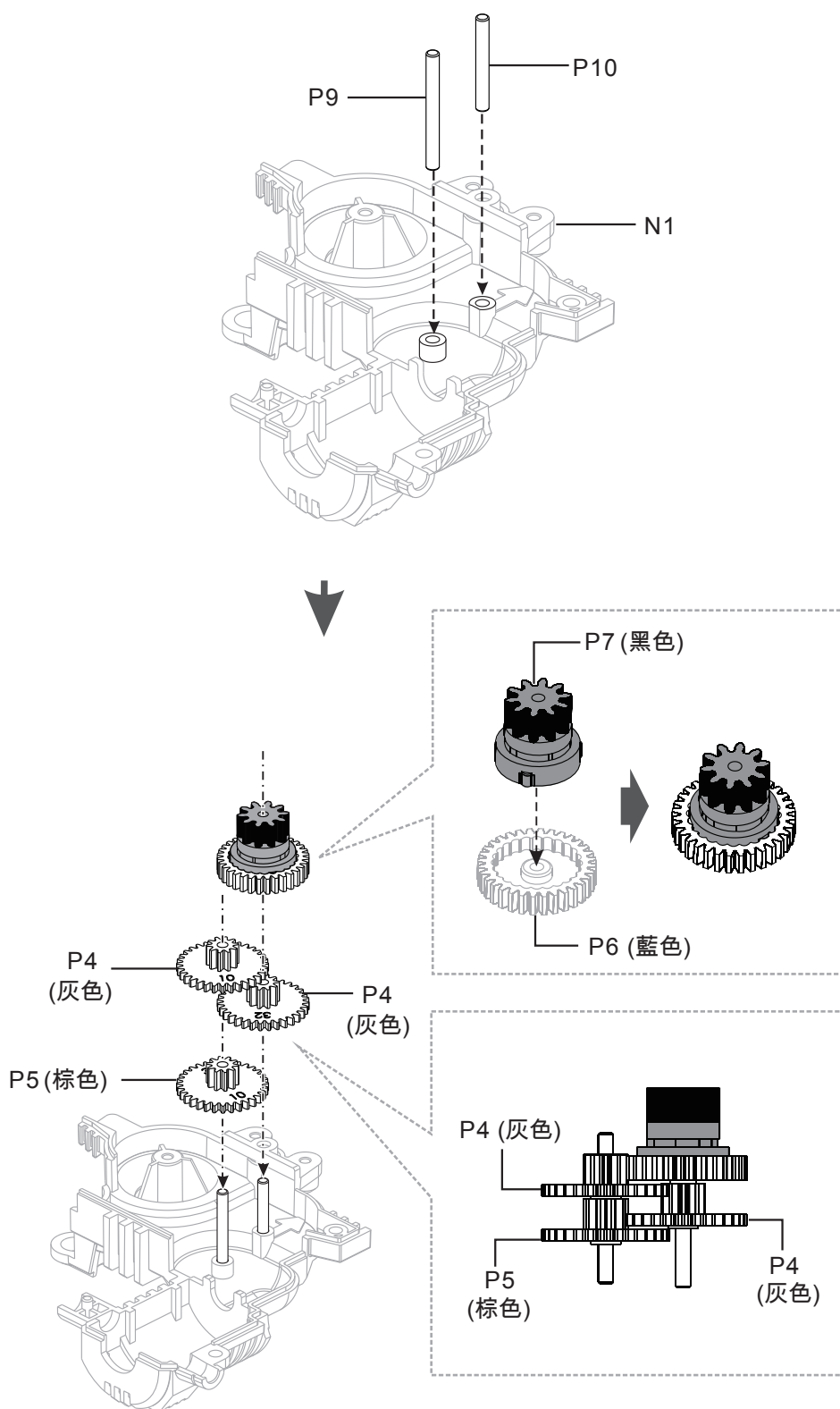
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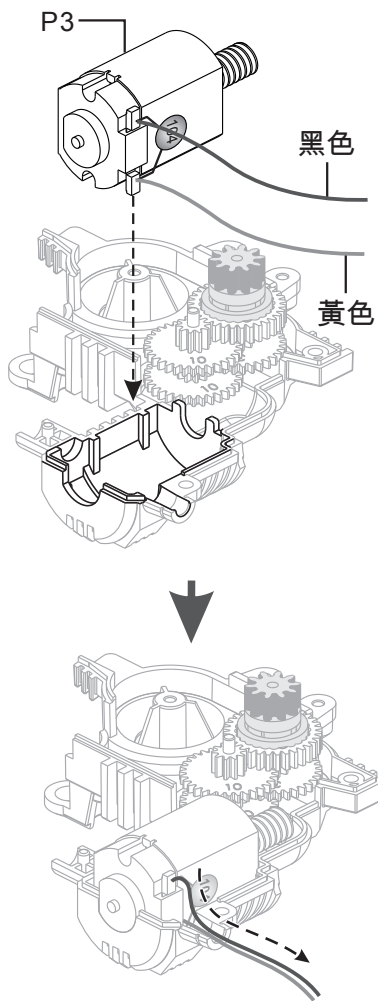
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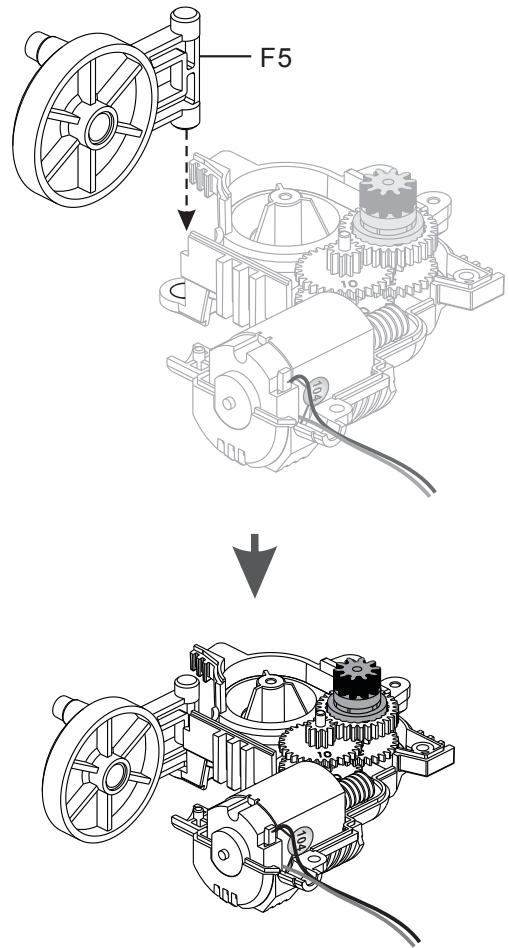
26 齒輪箱組裝(M1)



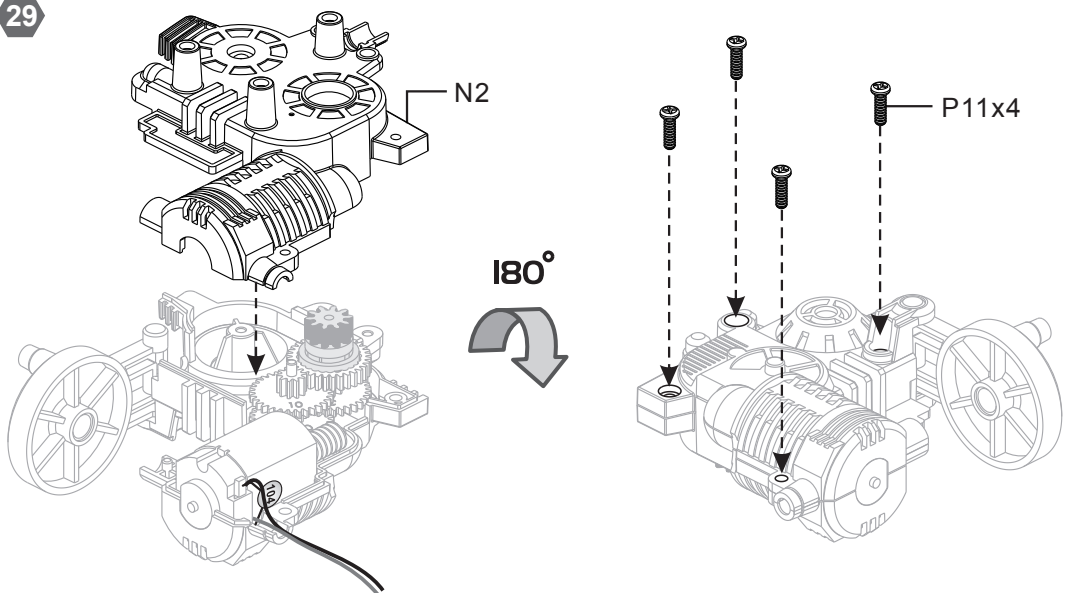
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28

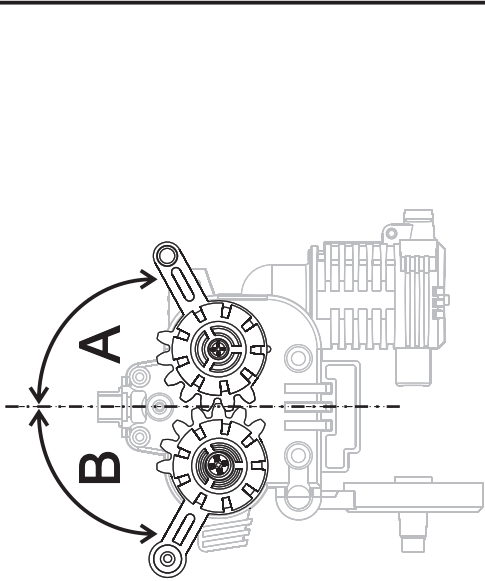


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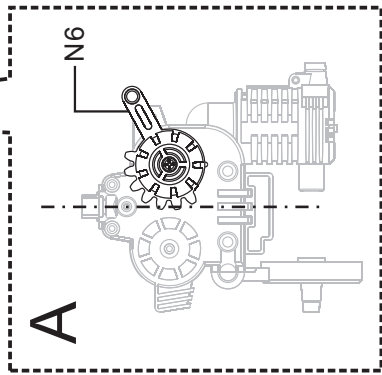
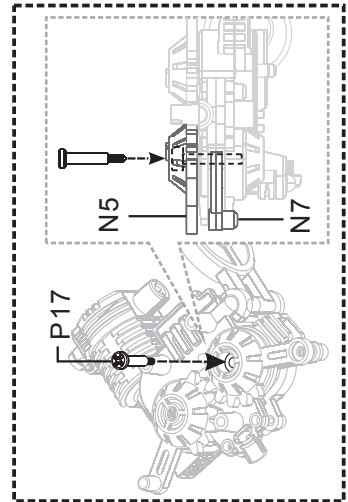
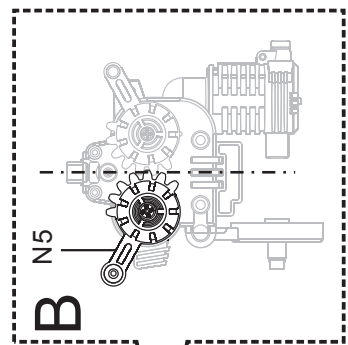
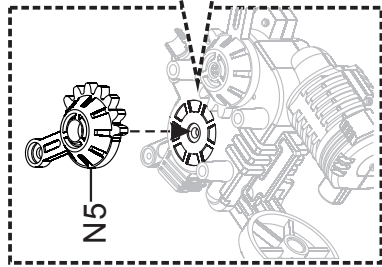
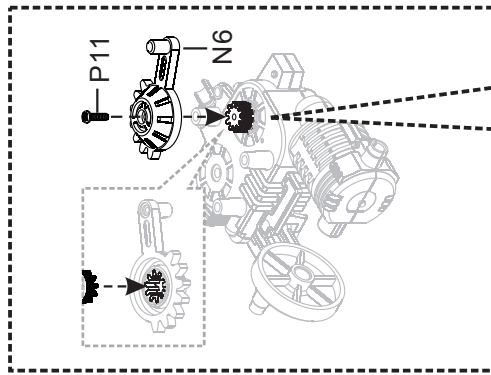
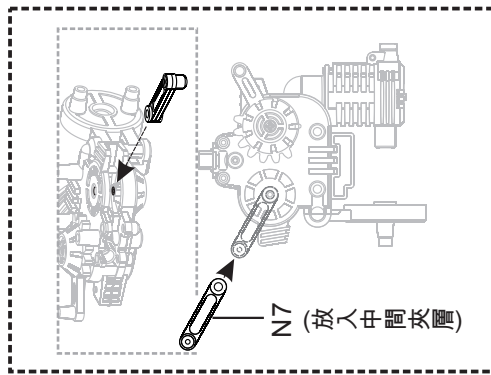
步驟1

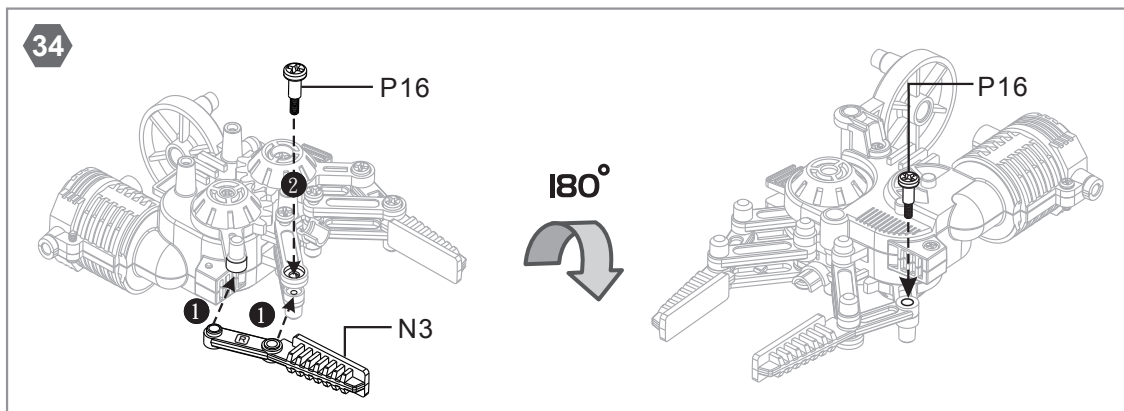
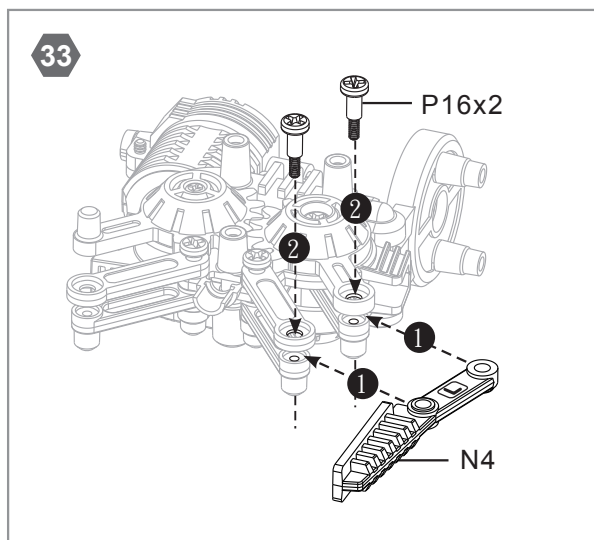
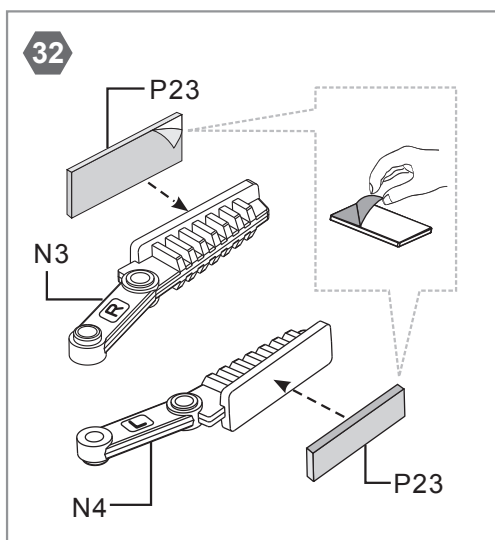
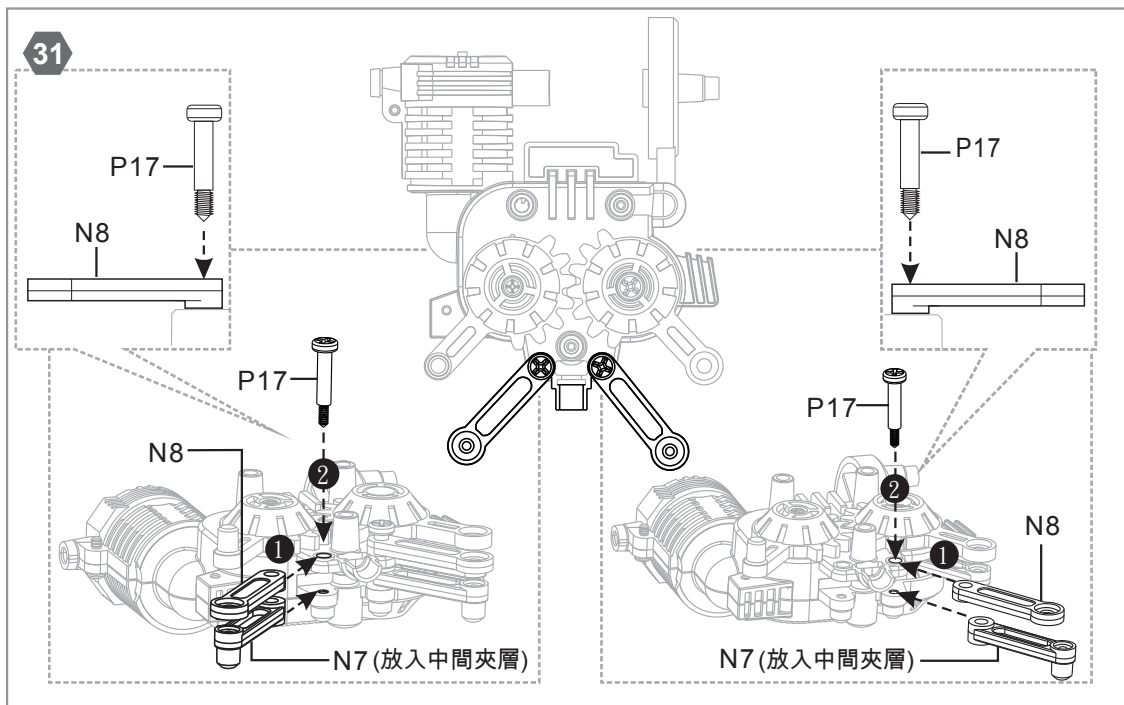
重要！



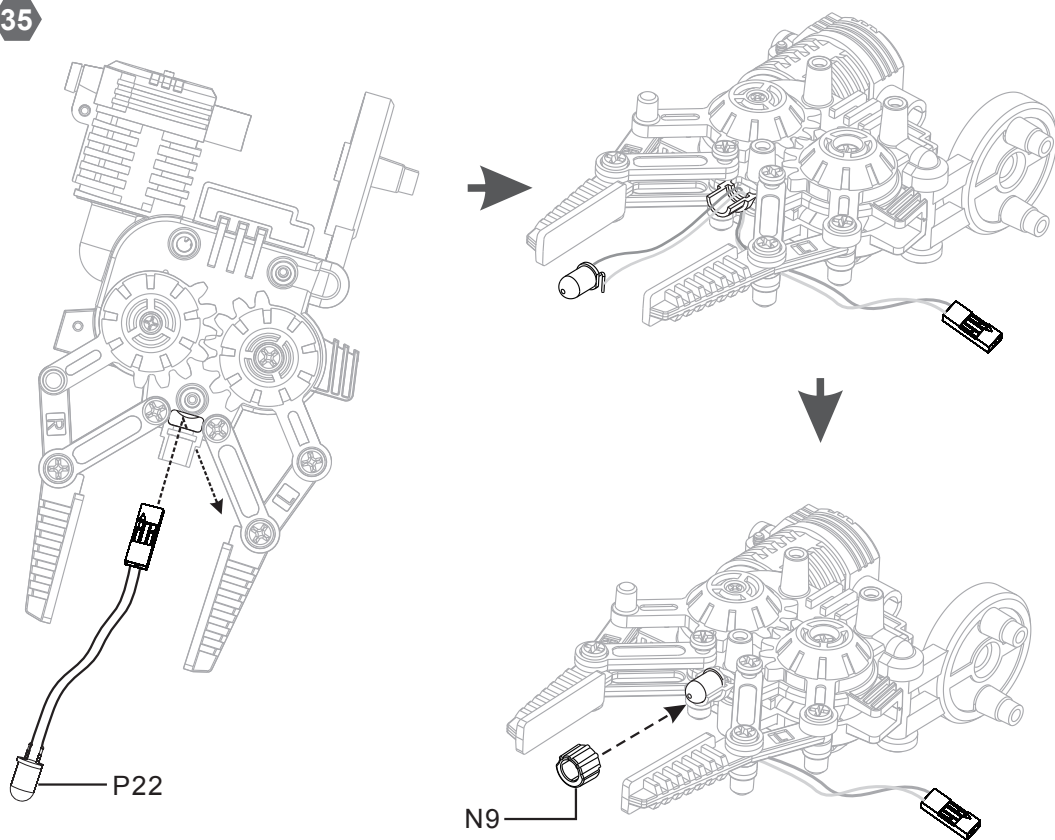
A 組和 B 組與中心線距離須等距

步驟2

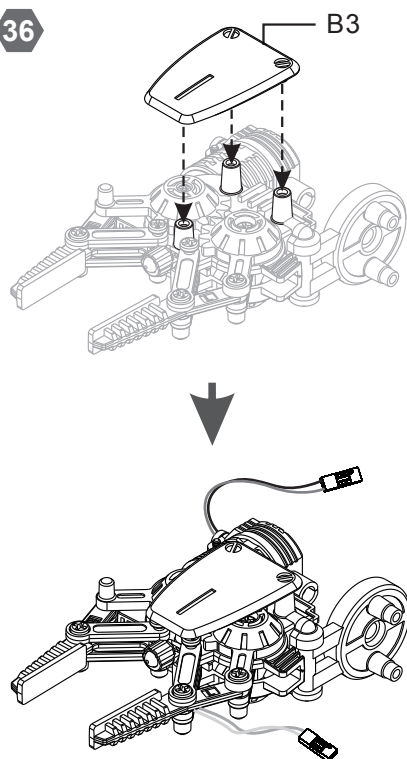




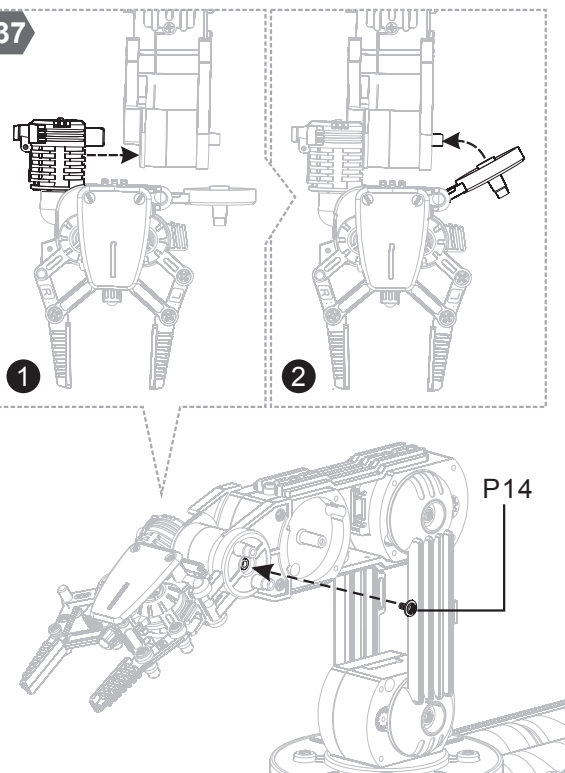
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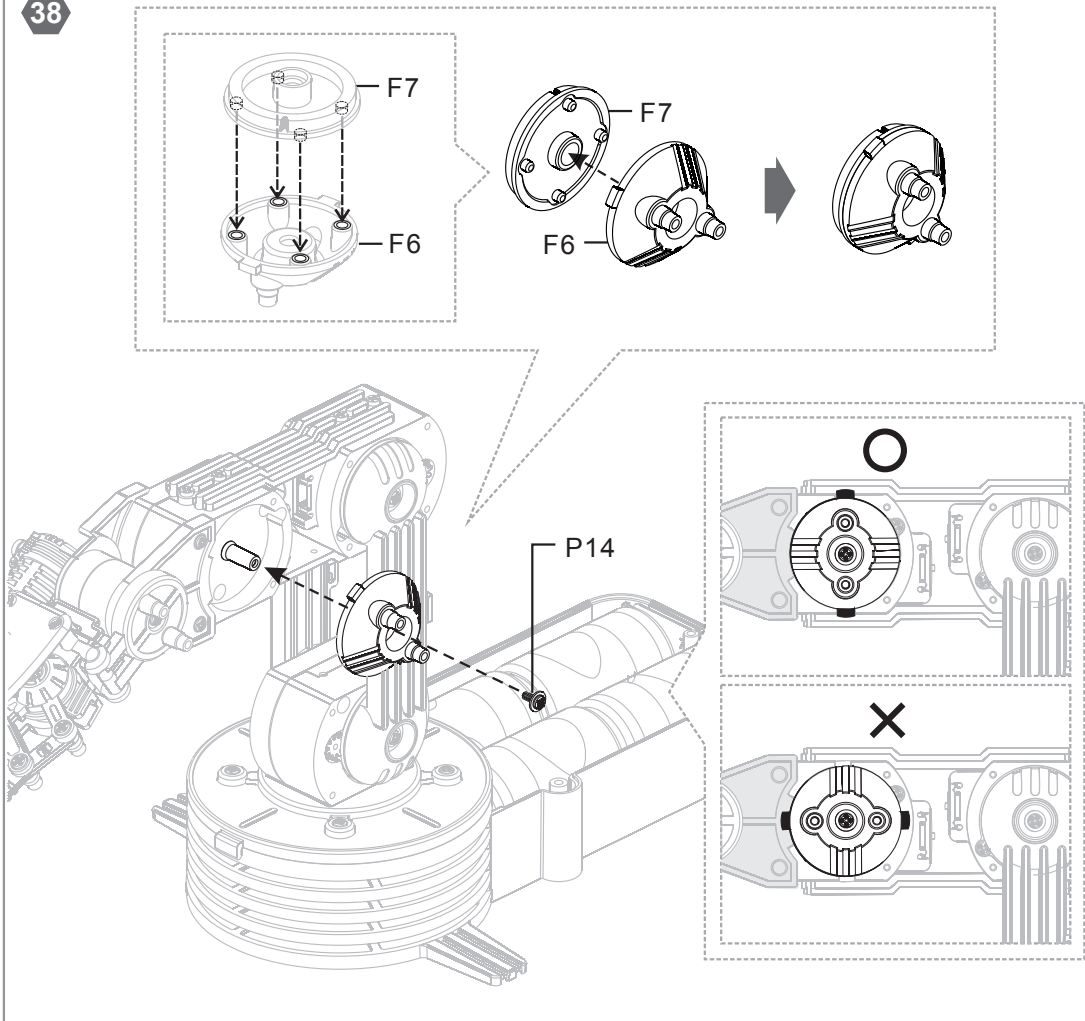
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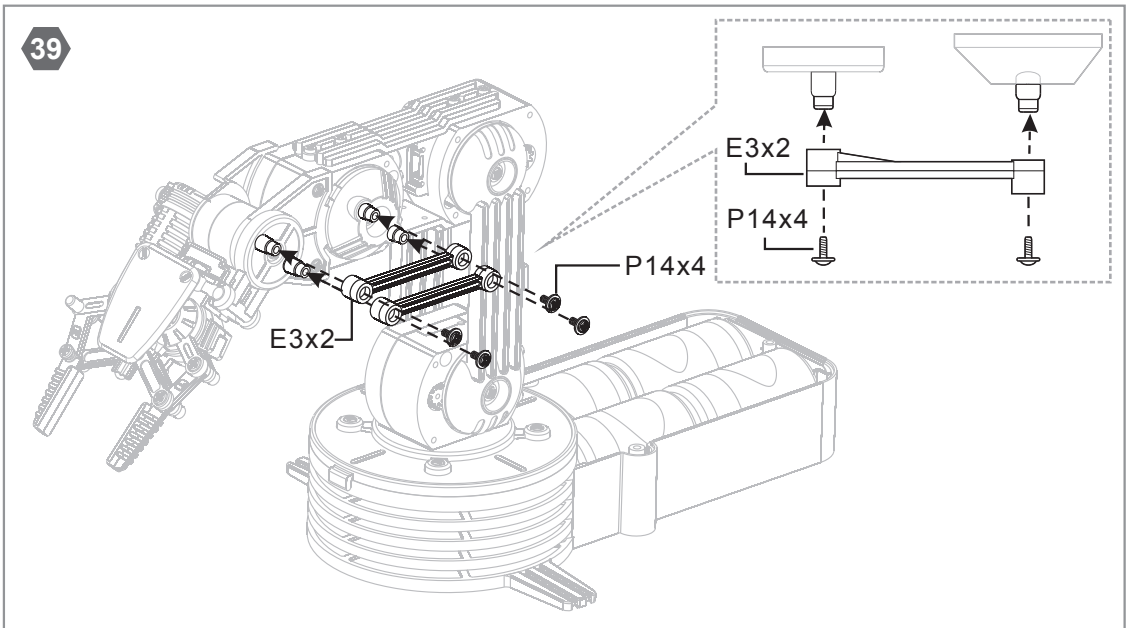
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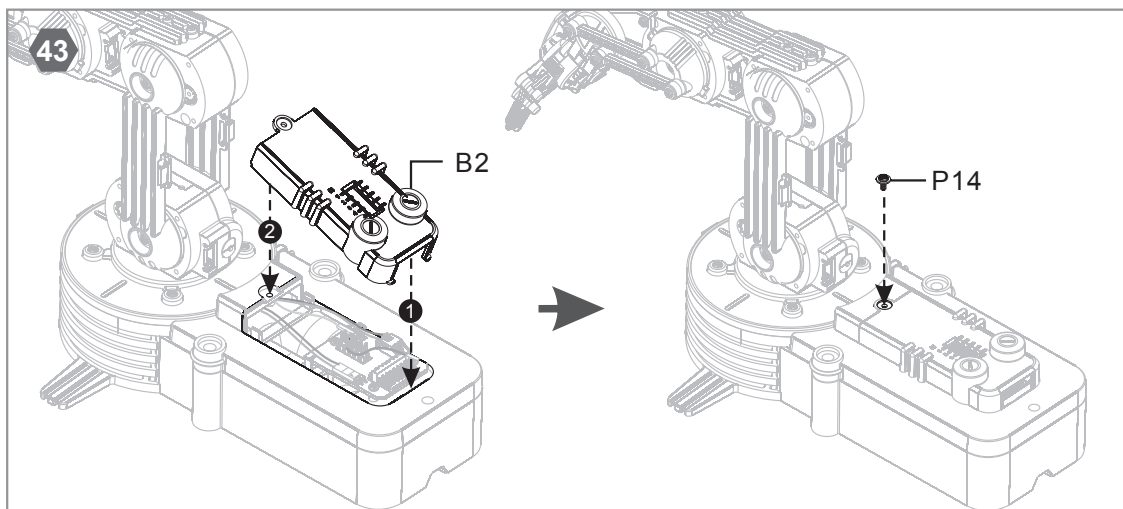
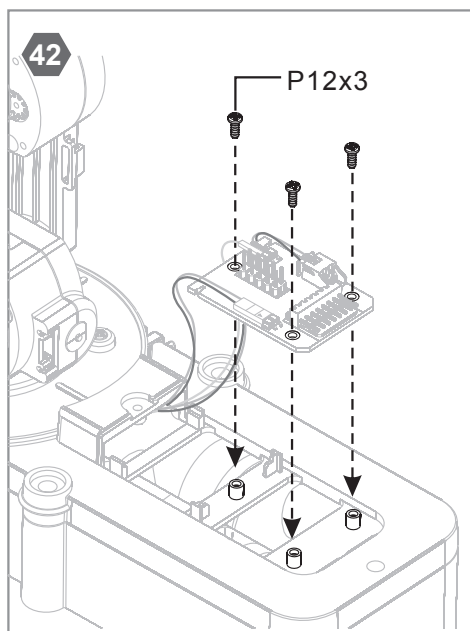
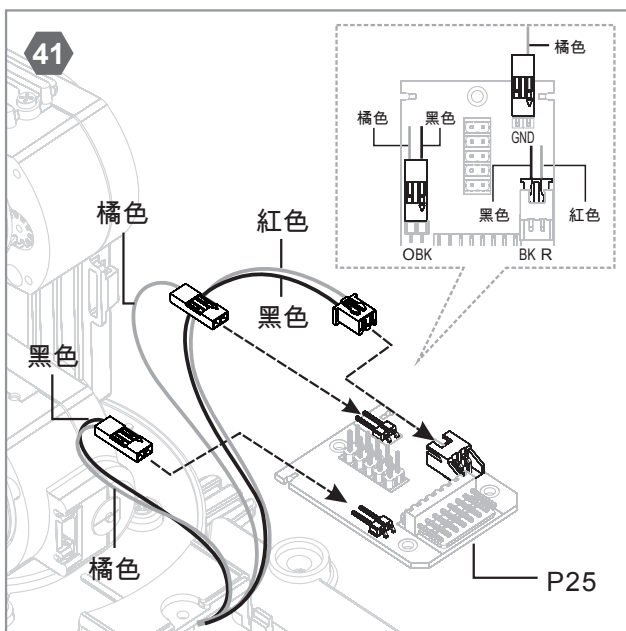
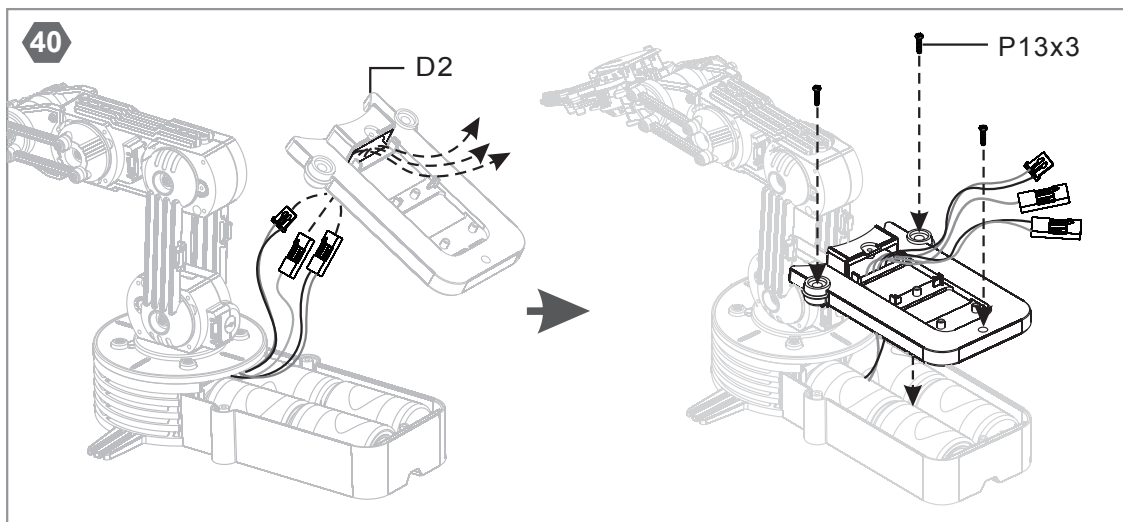


38



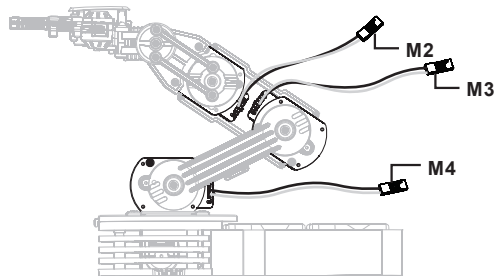
39



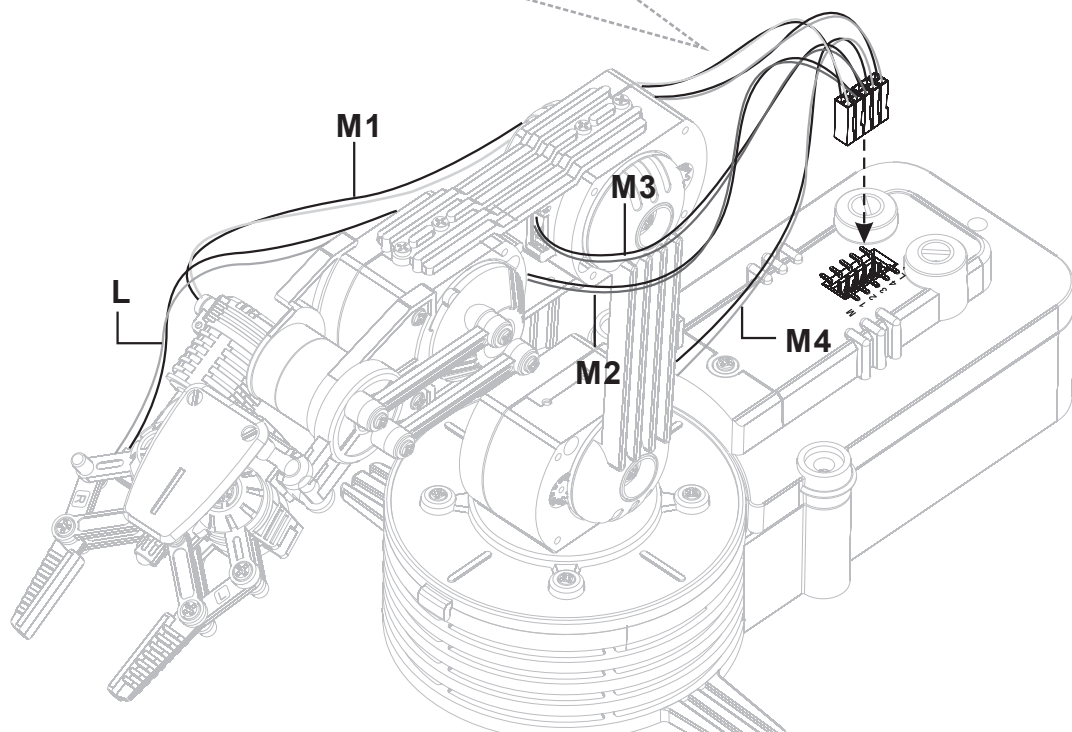
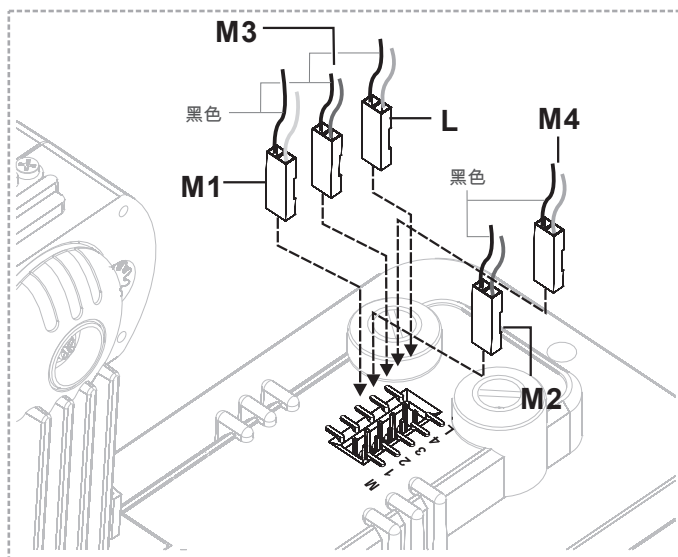
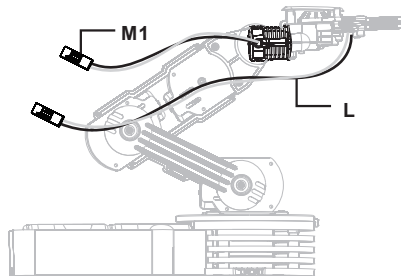


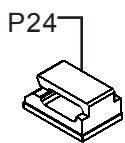
44 接線安裝

左視圖

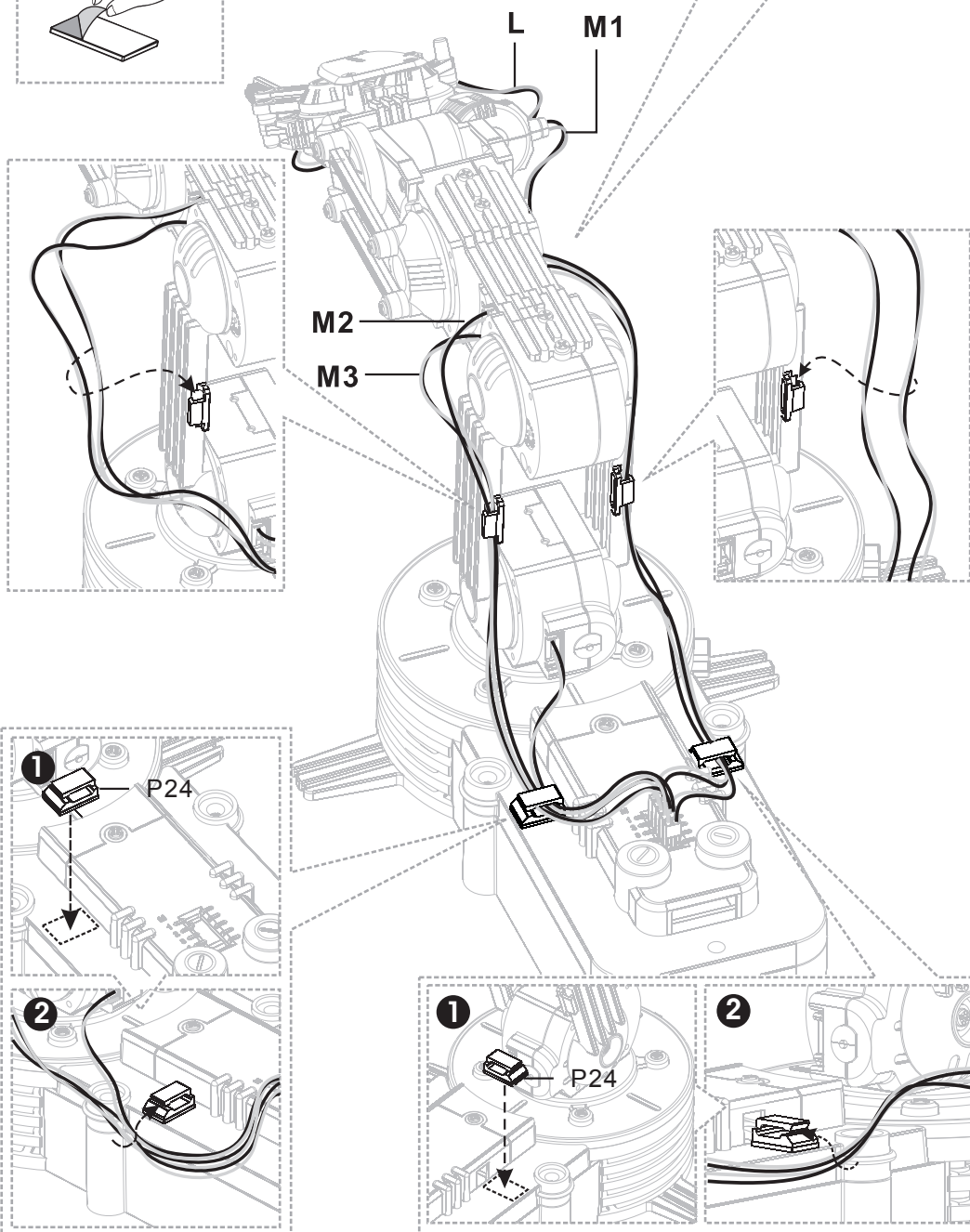
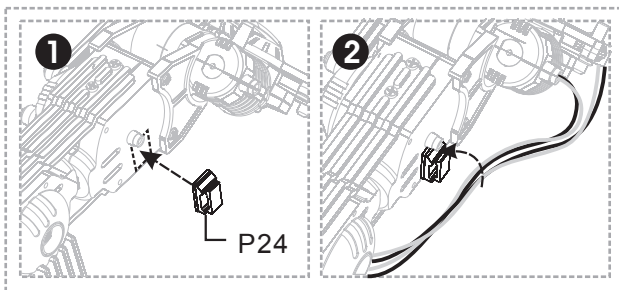
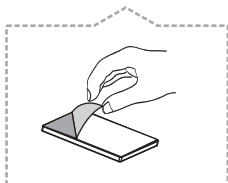


右視圖

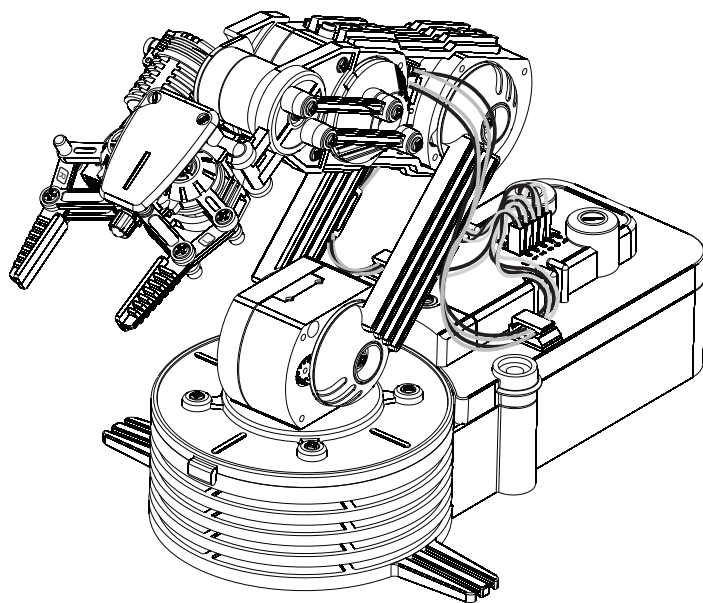




X3



46 恭喜完成！

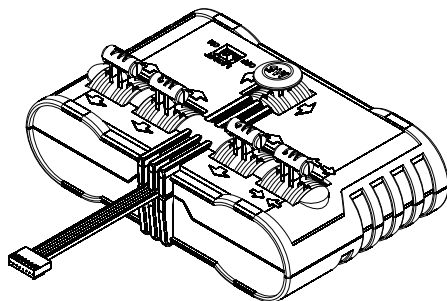


遙控器

1

產品介紹

機器手臂上下、左右移動由五個操縱桿控制，
另有開關控制LED燈，提供操作時照明使用。
連接主體的排線長度約100cm。



2

自備工具如下

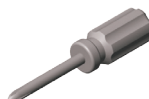
尖嘴鉗



斜口鉗



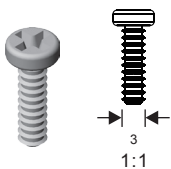
十字起子

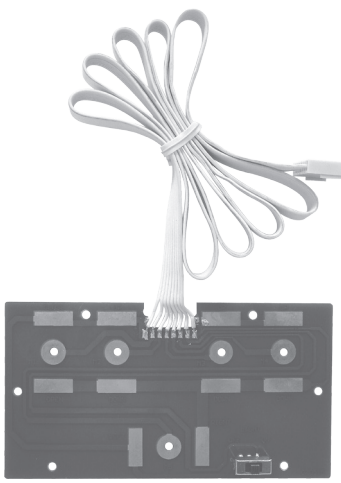


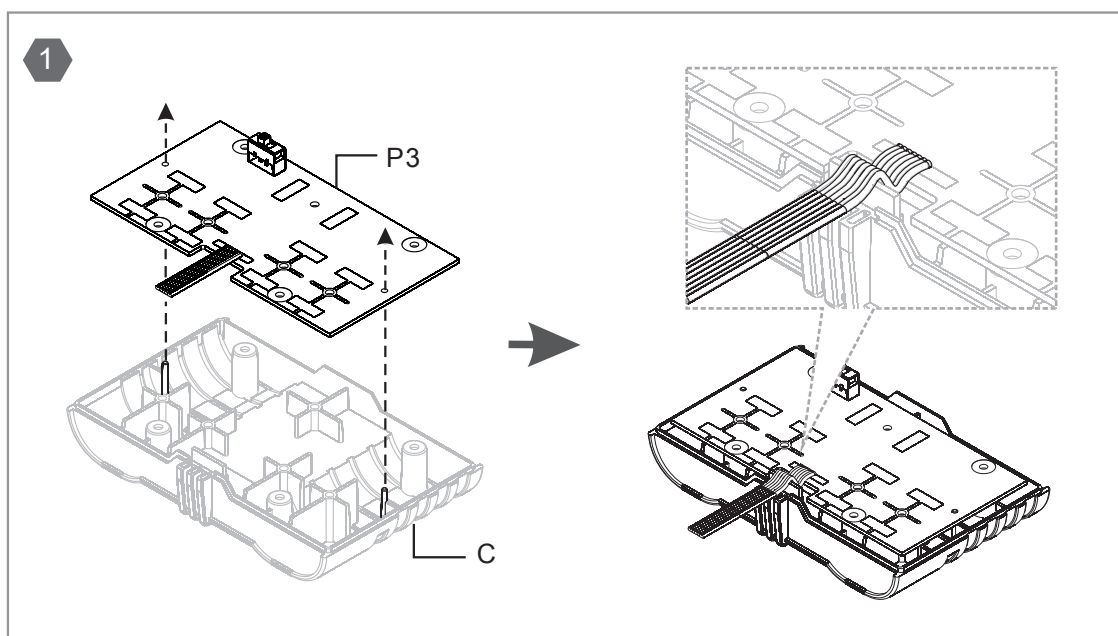
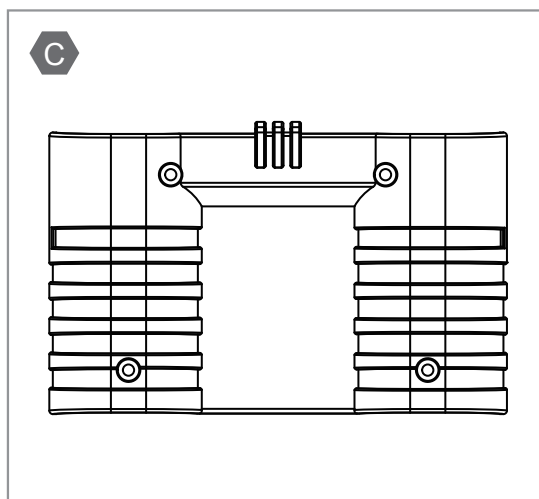
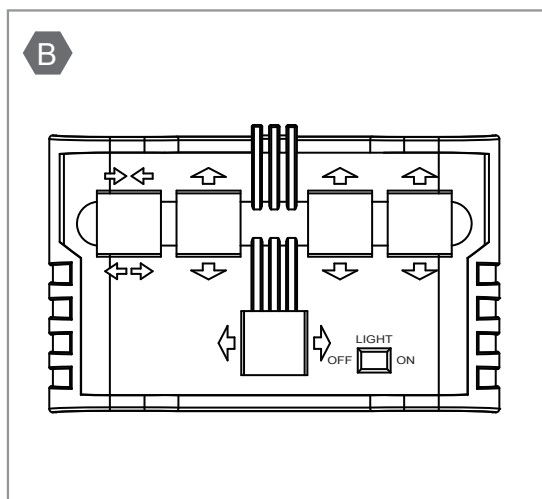
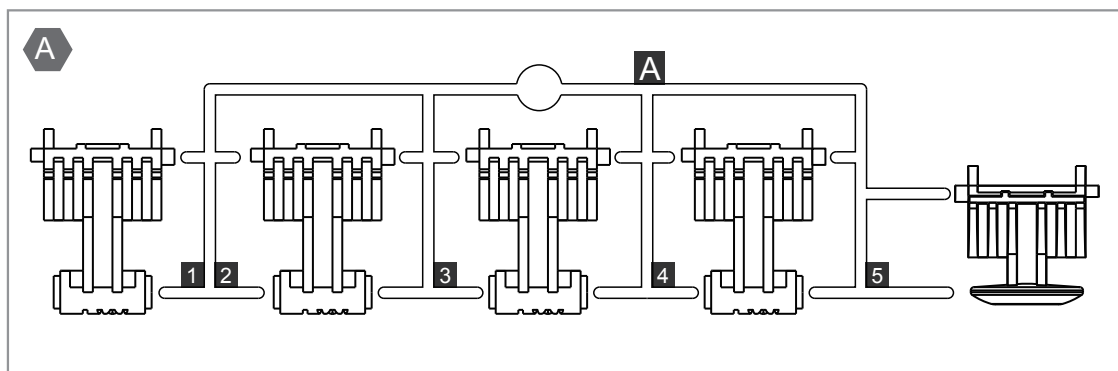
3

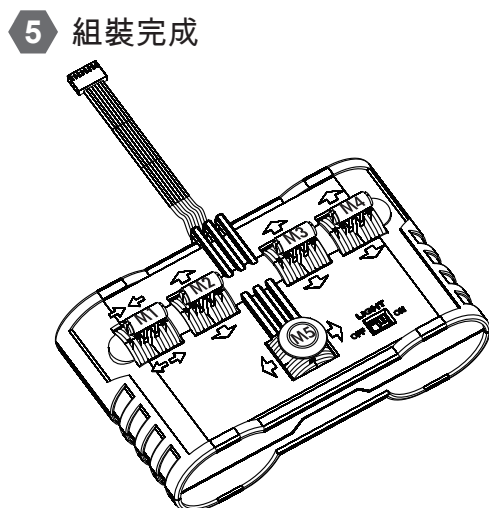
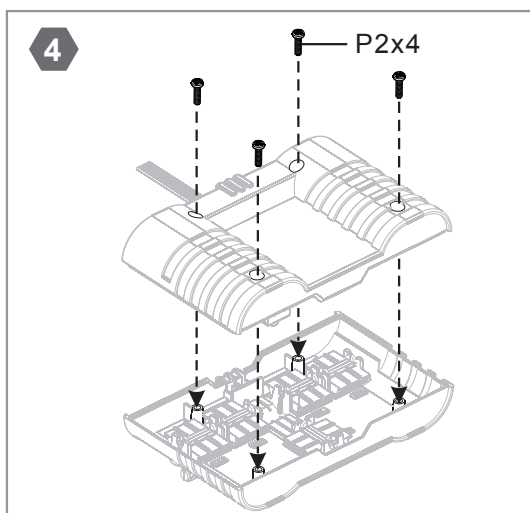
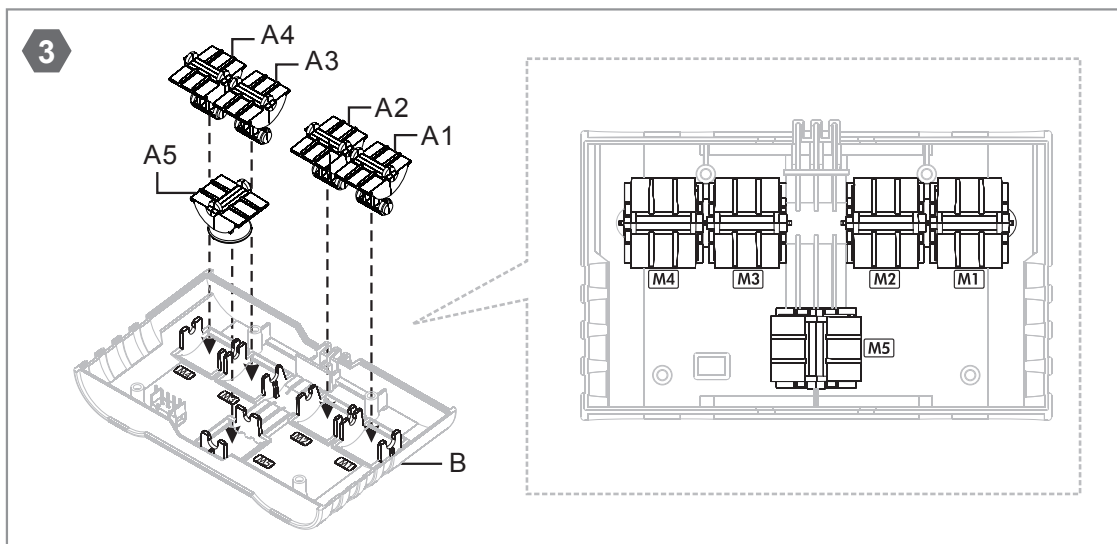
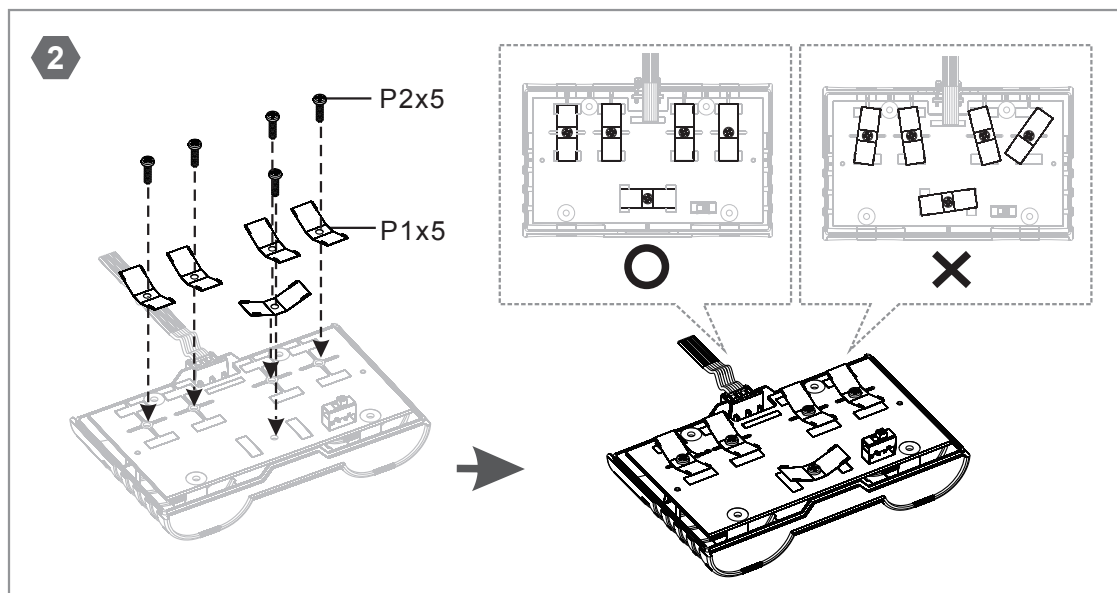
零件清單

P1	金屬彈片	數量
		5

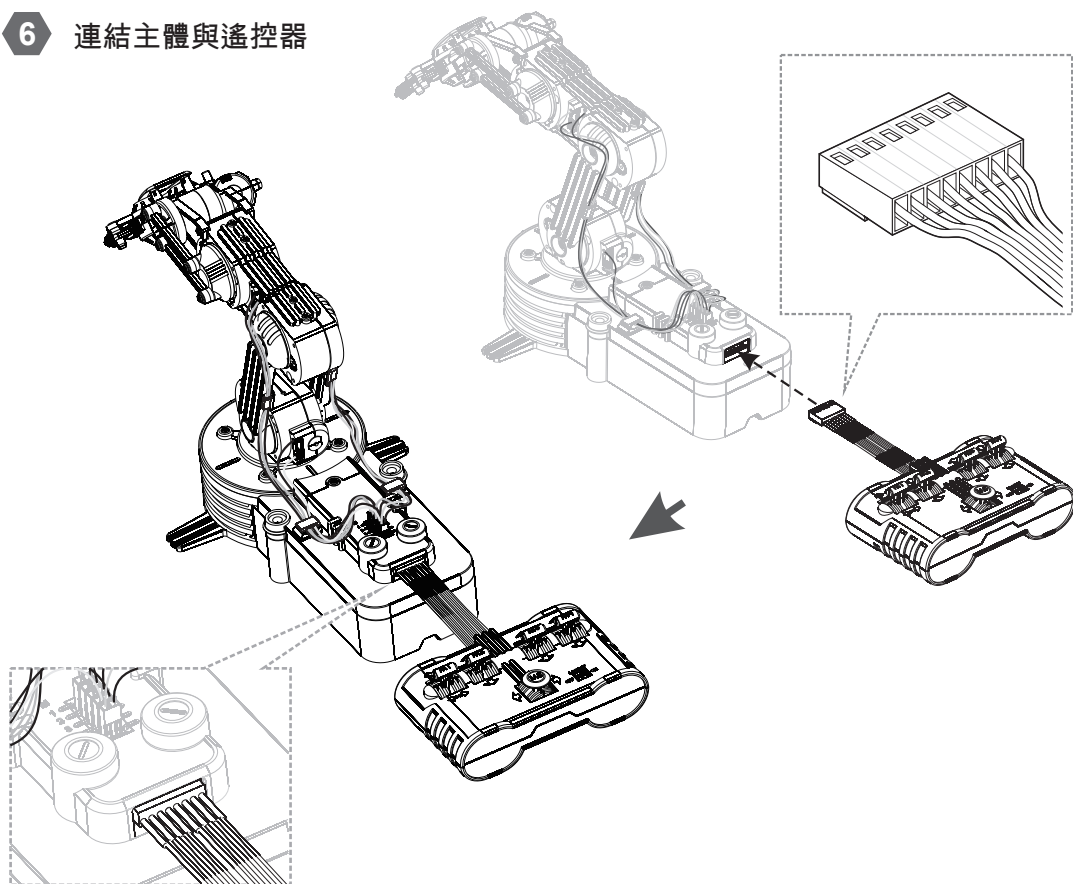
P2	自攻螺絲	數量
		9 (3x10)

P3	電路板	數量
		1

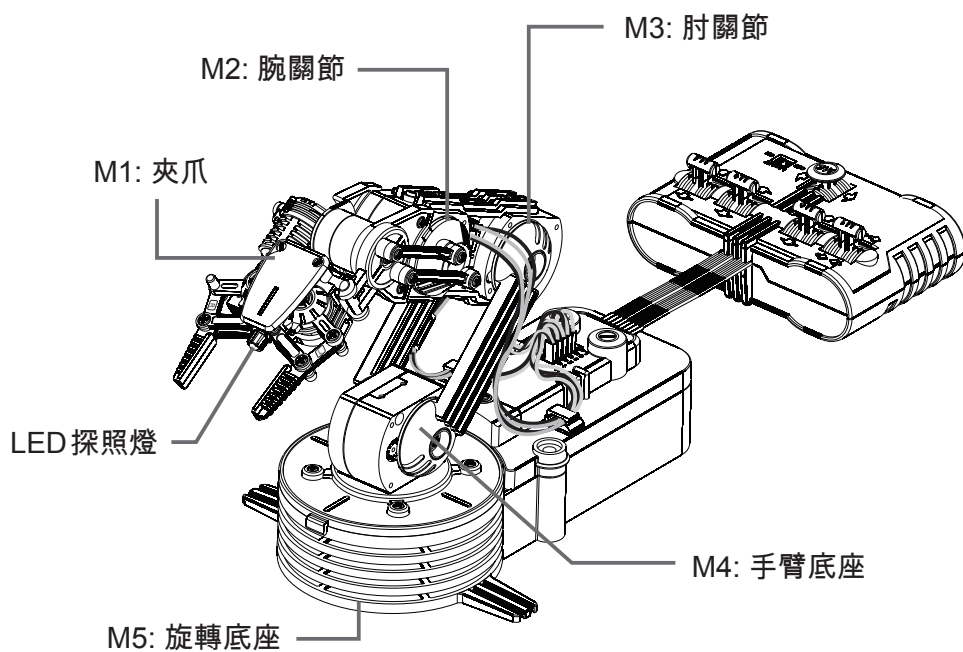




6 連結主體與遙控器

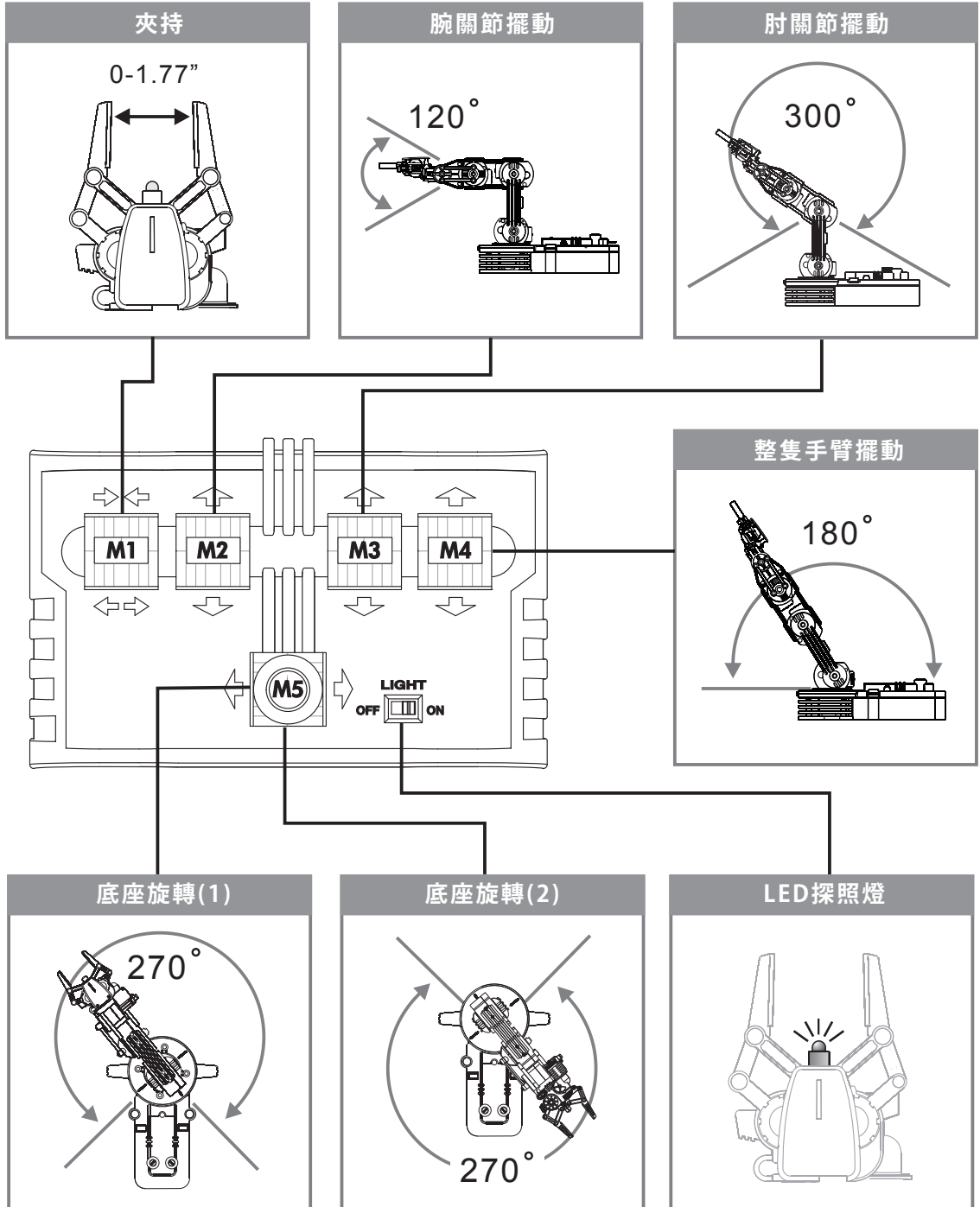


7 恭喜完成

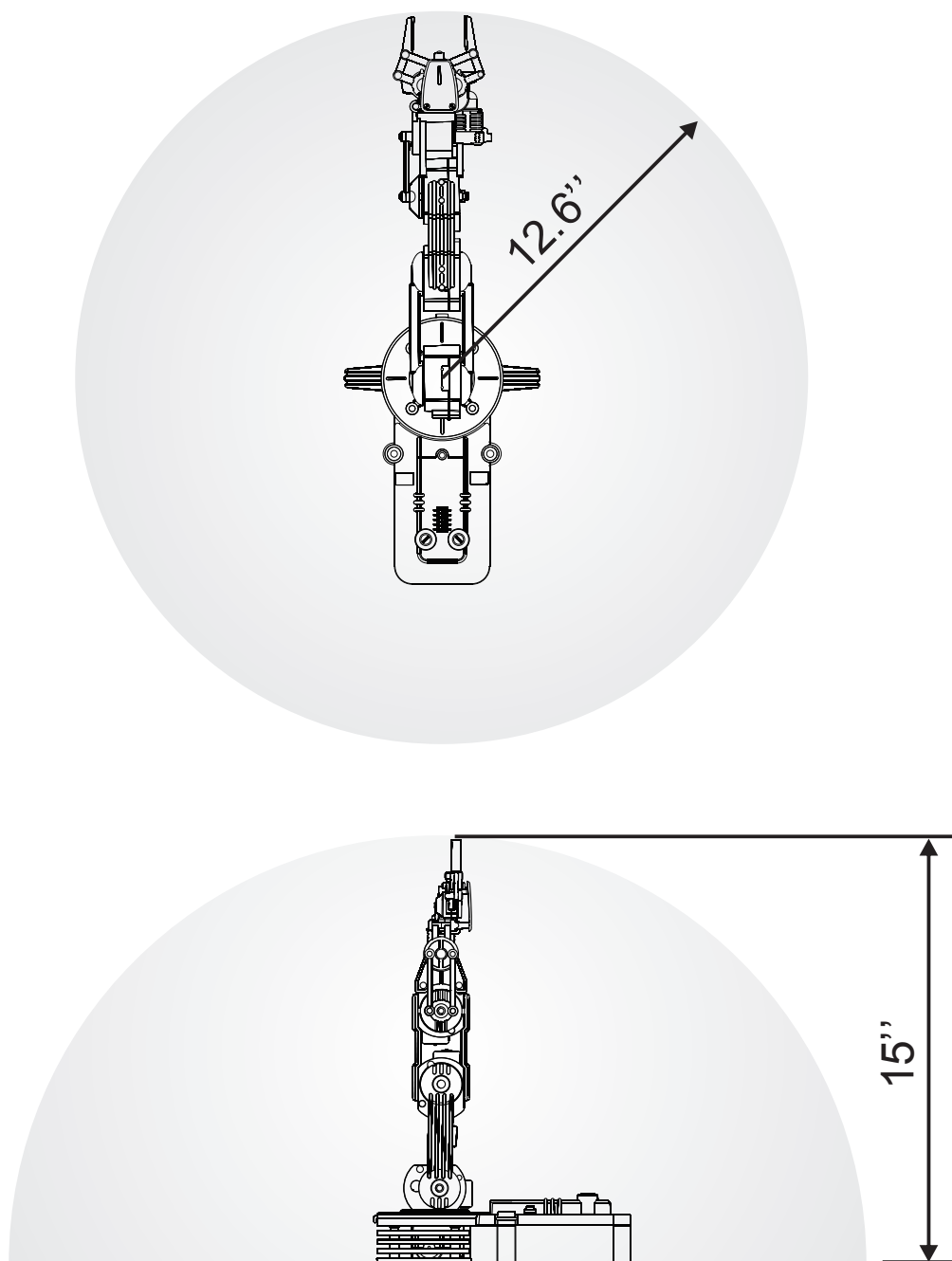


操作方式

1. 推動遙控器上的任意操縱桿開始操作
2. 如下圖所示共有12種不同的動作



3. 工作區域

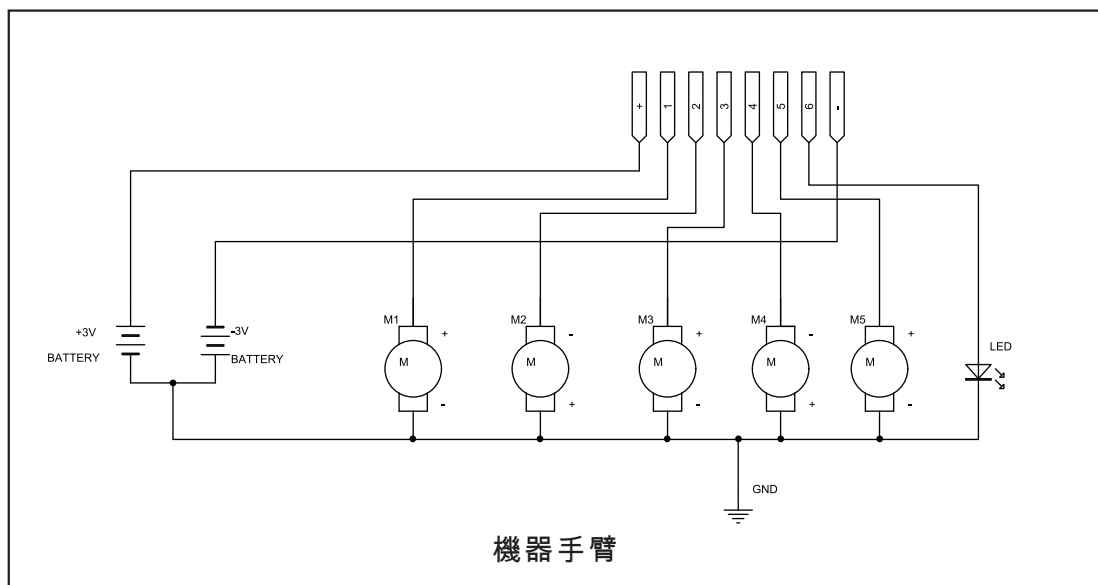
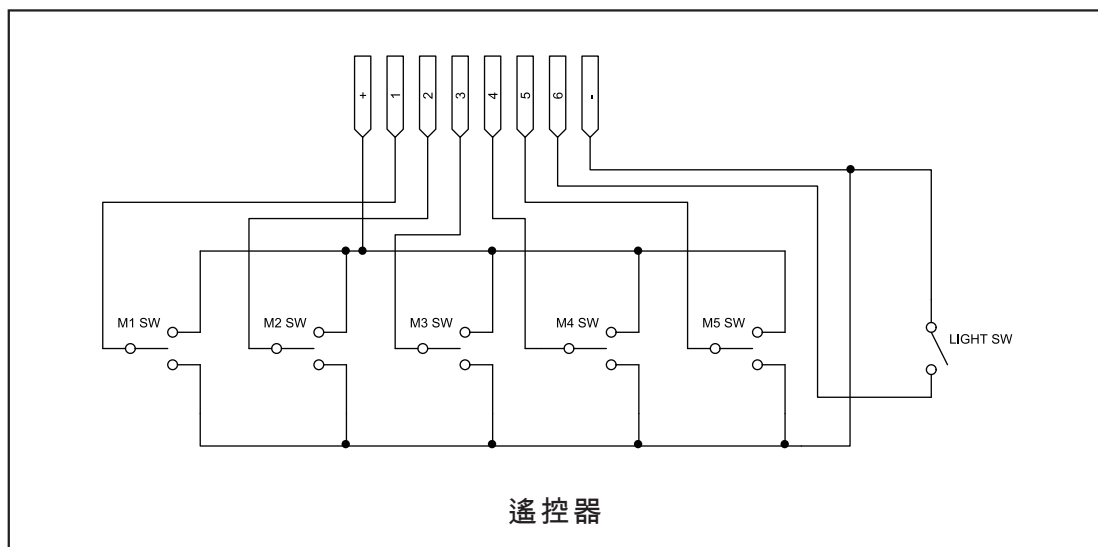


4. 五個齒輪箱均配有安全裝置，當手臂張開、閉合或上下左右移動到最大角度時，若玩家持續推動操縱桿，齒輪箱會發出“答答答”警示聲提醒
5. 為了延長齒輪箱使用壽命，當聽到“答答答”警示聲時請立刻放開操縱桿

簡易故障排除

1. 請確認所有接線方式是否正確(請參考第23頁步驟 41 及24頁步驟 44)
2. 若機器手臂對遙控器的操作沒有反應，請確認電池排線及”GND”連接線是否插入正確位置或是電池是否裝反(請參考第23頁步驟 41 及13頁步驟 19)
3. 如果機器手臂未按照操作方向移動，請確認M1、M2、M3、M4、M5連接線是否裝反(請參考第23頁步驟 41 及24頁步驟 44)
4. 如果LED燈不亮，請確認”L”連接線是否插入正確位置(請參考第24頁步驟 44)

電路圖



若需要購買零件，請參照以下零件表

1. 請留下訂購人姓名、寄送地址、連絡電話、E-mail
2. 請註明產品名稱、產品型號、零件名稱、零件型號以及數量
3. 請以傳真、E-mail、電話或上寶工購物網 <https://shop.prokits.com.tw> 訂購

寶工實業股份有限公司

新北市新店區民權路130巷7號5樓

客服專線:02-22183233 分機327

傳 真:02-22180267

<https://science.prokits.com.tw>

E-mail: science@mail.prokits.com.tw

寶工購物網: <https://shop.prokits.com.tw>

GE-535N 動力機器手臂 零件表

零件型號	零件名稱	數量
5GE-535N00P1	馬達端子組(M4,M5)(橘色、黑色)	
5GE-535N00P2	馬達端子組(M2,M3)(藍色、黑色)	
5GE-535N00P3	馬達端子組(M1)(黃色、黑色)	
5GE-535N00P4	齒輪 32/10T(灰)	
5GE-535N00P5	齒輪 32/10T(棕)	
5GE-535N00P6	轉接齒輪 32T(藍)	
5GE-535N00P7	出力齒輪10T(黑)	
5GE-535N00P8	出力齒輪10T(白)	
5GE-535N00P9	圓軸 (2 x 20)	
5GE-535N00P10	圓軸 (2 x 16)	
5GE-535N00P11	自攻螺絲 (2.3 x 7)	
5GE-535N00P12	自攻螺絲 (2.6 x 6)	
5GE-535N00P13	自攻螺絲 (2.6 x 10)	
5GE-535N00P14	華司螺絲	
5GE-535N00P15	機械螺絲	
5GE-535N00P16	自攻螺絲 (3 x 11)	
5GE-535N00P17	自攻螺絲 (3 x 16)	
5GE-535N00P18	螺母	
5GE-535N00P19	華司	
5GE-535N00P20	電池彈片端子組	
5GE-535N00P21	電池彈片連接器組	
5GE-535N00P22	LED組	
5GE-535N00P23	泡棉	
5GE-535N00P24	線夾	
5GE-535N00P25	電路板	
5GE-535N00P26	墊片	
5GE-535N00PP1	塑膠模型零件 A	
5GE-535N00PP2	塑膠模型零件 B	
5GE-535N00PP3	塑膠模型零件 N	
5GE-535N00PP4	塑膠模型零件 D	
5GE-535N00PP5	塑膠模型零件 E	
5GE-535N00PP6	塑膠模型零件 F	
5GE-535N00IM	說明書	

1. 電池移除或更換應由成人或在成人監督下進行。
 2. 請避免電池或電池連接器端子短路。
 3. 電池長期不用或電力耗盡時請取出以避免電池漏液。
 4. 請勿混用新舊電池及不同廠牌、種類的電池，以免造成危險或電器損耗。
 5. 請勿混合鹼性、碳鋅電池或充電電池使用。
 6. 電池放入前請先確認正確正負極性方向。
 7. 請勿試圖對非充電電池進行充電。
 8. 充電電池應在成人監督下進行充電。
- 充電前請將充電電池自玩具中取出。

動力機器手臂

Wired control robot arm kit

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新北市新店區民權路130巷7號5樓

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