

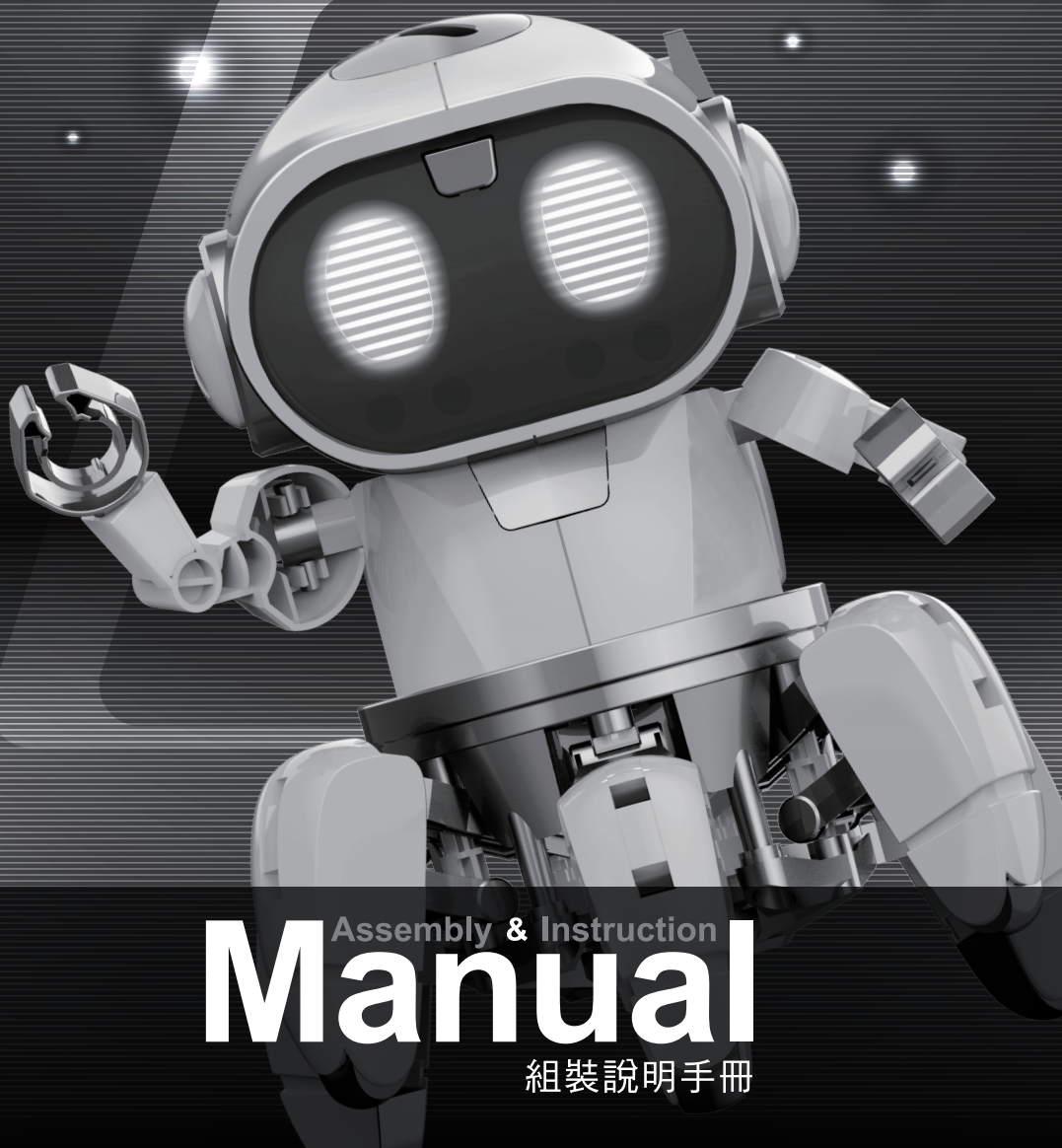
GE-893

Pro'sKit®

Probbie The Robot



• Your adorable smart friend • **Ai 智能寶比**



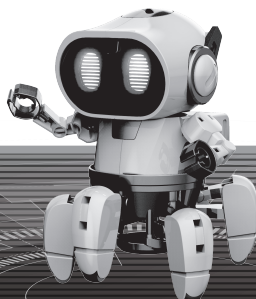
Assembly & Instruction Manual

組裝說明手冊

目錄

Contents

產品介紹 Product Introduction	1
自備工具 Tools You May Need	1
零件清單 Mechanical Parts List	1
塑膠模型零件 Plastic Parts	3
小技巧提醒 Tip:Cut Off The Burrs Before Assembly	3
身體組裝 Body Module Assembly	4
頭部組裝 Head Module Assembly	10
手/腳組裝 Feet & Arms Module Assembly	24
電池安裝 Battery Installation	26
遊戲方式 How To Play	27
注意事項 Warning	29
簡易故障排除 Trouble Shooting	30



AI 智能寶比

Probbie The Robot

產品介紹 Product Introduction

Probbie寶比是一個智能的六腳機器人，設計有兩個遊戲模式”跟隨”或”探索”跟小朋友們一起玩 - 在“跟隨”模式中，寶比能跟隨著主人，聽話的像個你專屬好朋友;而在”探索”模式中，寶比可以避開障礙物並找到一個新的路線繼續前進。同時，寶比會發出美妙的聲音和燈光，展現自己的情緒，活靈活現的像是你的寵物。

聲光效果十足的寶比，讓您在玩樂中體會紅外線感測與AI機器人的最貼近的互動效果。

Probbie is an intelligent six legs robot which provides great interaction with children. Probbie has two programmed modes to follow or avoid objects. In "Follow Me" mode, Probbie follows the object which ever approaches it, and makes it feels like an obedient pet.

Possessing IR auto detect, Probbie can avoid obstacle in the "Explore" mode and find a new route to keep moving. The little robot offers wonderful sound and light effect which develops its own emotions and gestures, just like a living pet. Try to challenge Probbie and figure out what it can do. Create a maze for it or allow it to follow you. Most of all, do not treat it as a normal robot, but an adorable smart friend.



警告

Warning

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。

Choking hazard - Small parts. Not for children under 3 years.

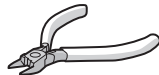
2.兒童使用剪切工具時，請家長指導使用方式，並請在家長監督下使用，以免發生意外。

Adult supervision is recommended when children use scissors.

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。

To avoid danger of suffocation, keep the plastic bag away from babies and children.

自備工具如右 Tools You May Need



斜口鉗
Diagonal Cutter



十字起子
Screwdriver



AAA電池4顆
Battery(AAA) x 4

建議使用鹼性電池(出貨不含)
Alkaline batteries are recommended
(not included)

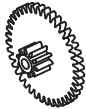
零件清單 Mechanical Parts List



部分零件含有銳利的邊緣及尖角，組裝時請注意

Product contains functional edges and sharp points.

P1 小齒輪(白色) Pinion Gear(White)		P2 齒輪(灰色) Gear 32/10T(Gray)		P3 齒輪(藍色) Gear 32T(Blue)	
	數量 QTY		數量 QTY		數量 QTY
	2		1		1
P4 齒輪(綠色) Gear 36/14T(Green)		P5 齒輪(白色) Gear 36/14T(White)		P6 齒輪(橘色) Gear 36T(Orange)	
	數量 QTY		數量 QTY		數量 QTY
	1		2		1

P7 齒輪(粉紅色) Gear 40/10T(Pink)	
	數量 QTY 1

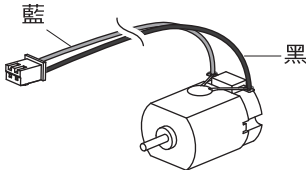
P8 出力齒輪(橘色) Gear 10T(Orange)	
	數量 QTY 2

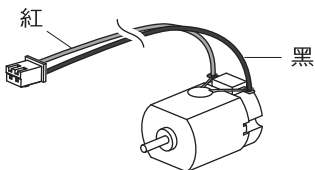
P9 自攻螺絲 Tapping Screw	
	數量 QTY 19

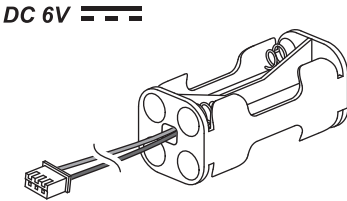
P10 華司螺絲 Tapping Screw	
	數量 QTY 4

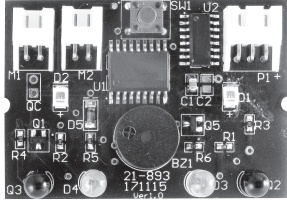
P11 圓軸(短) Shaft (Short)	
	數量 QTY 3

P12 圓軸(長) Shaft (Long)	
	數量 QTY 2

P13 馬達端子組 Motor With Connector	
	數量 QTY 1

P14 馬達端子組 Motor With Connector	
	數量 QTY 1

P15 電池座 Battery Holder With Connector	
	數量 QTY 1

P16 電路板 PC Board	
	數量 QTY 1

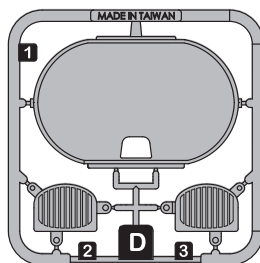
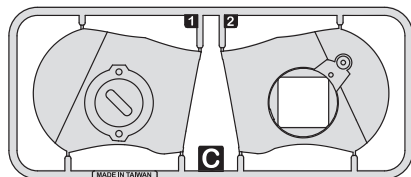
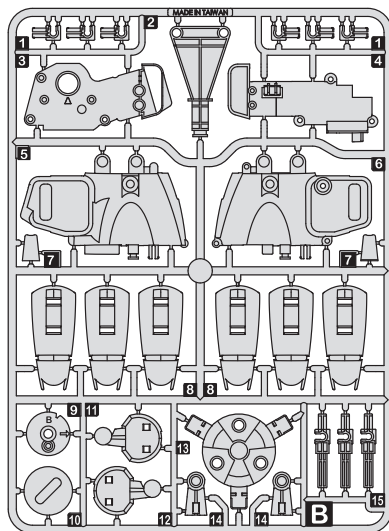
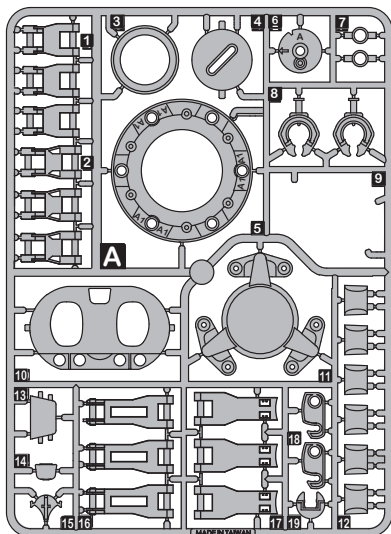
P17 貼紙 Sticker	
	數量 QTY 1

P18 帶螺絲的電池盒蓋 Battery Installation	
	QTY 1

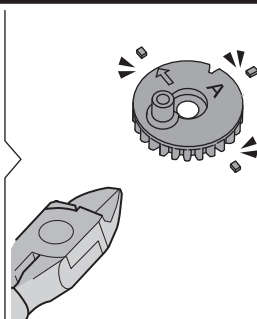
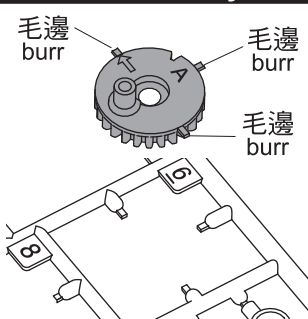
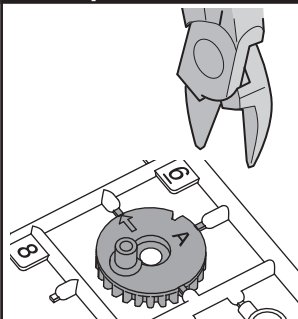
塑膠模型零件 Plastic Parts



請依照組裝步驟將所需的零件剪下，以免組裝時造成零件混淆。
Cut the plastic parts when they are required. Do not cut them in advance.

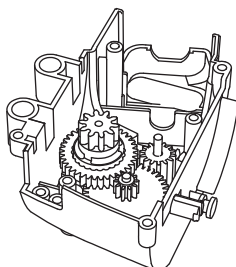
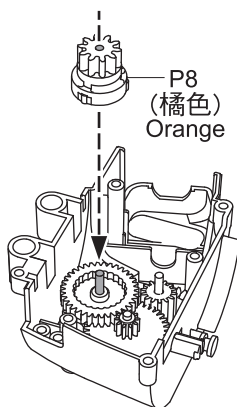
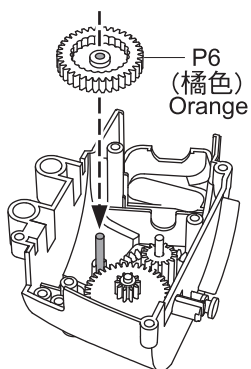
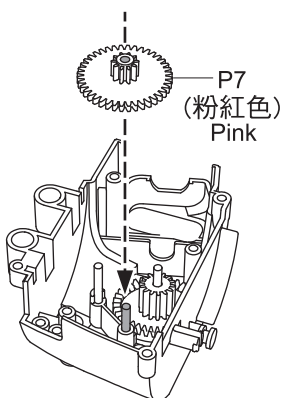
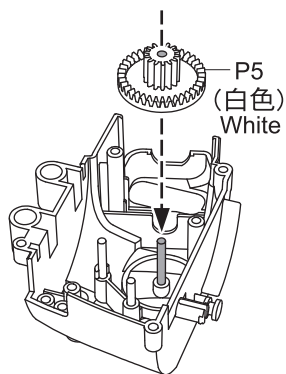
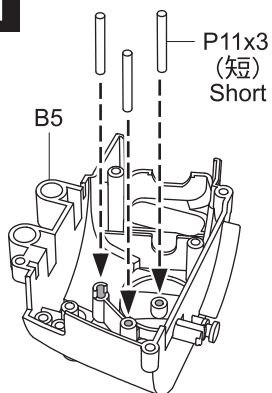


小技巧提醒: 請將毛邊剪切乾淨，以免產生間隙導致運作不良
Tip: cut off the burrs before assembly

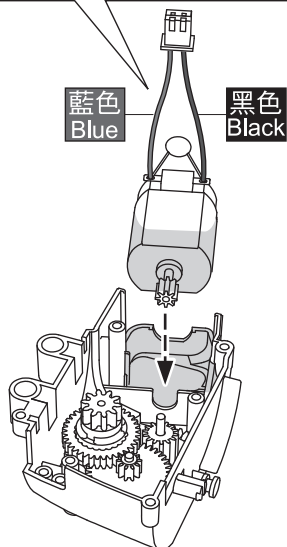
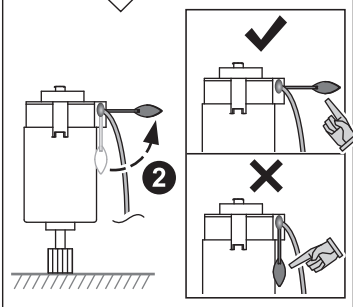
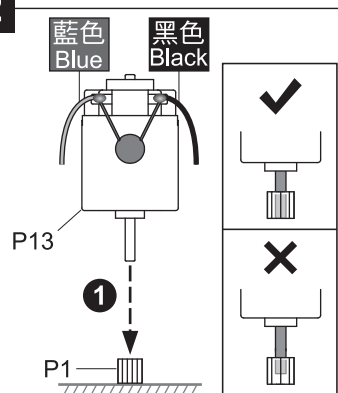


身體組裝 Body Module Assembly

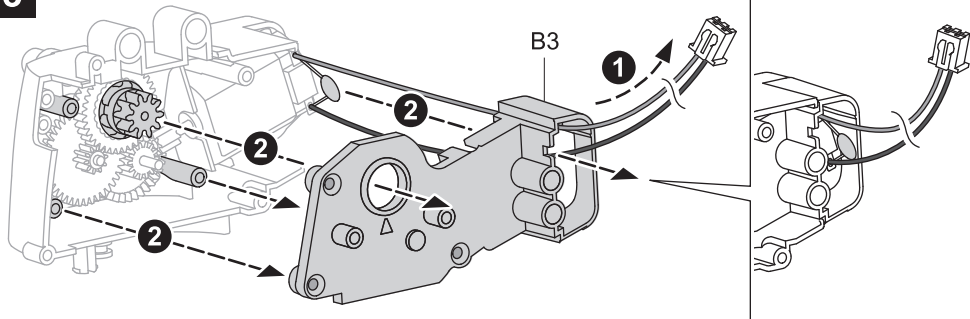
1



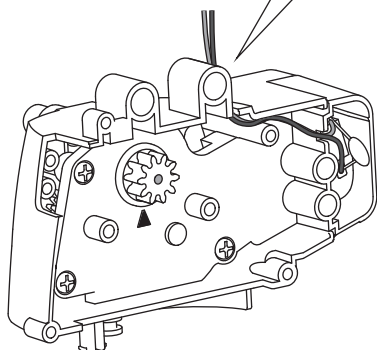
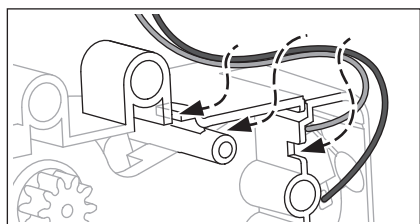
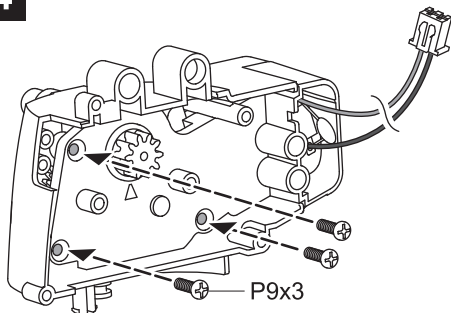
2



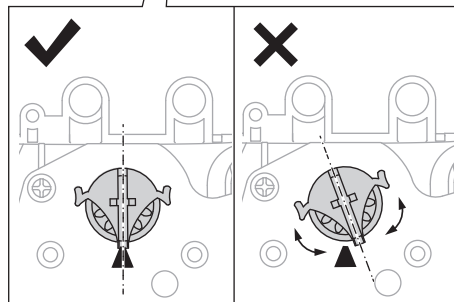
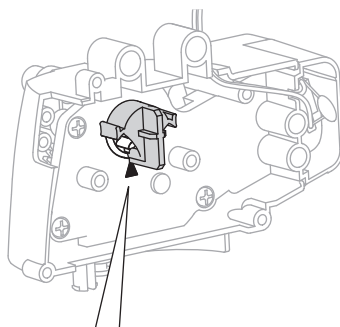
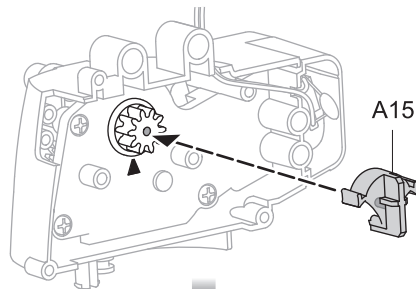
3



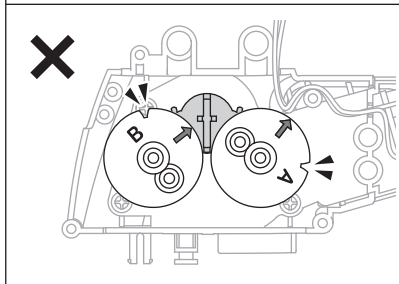
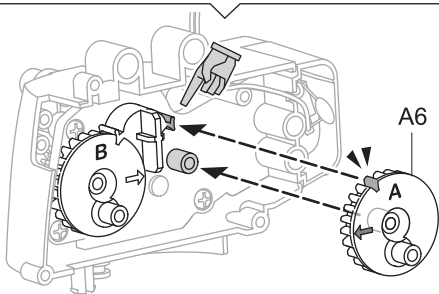
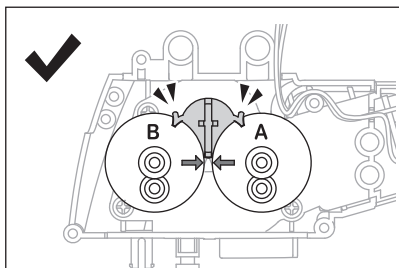
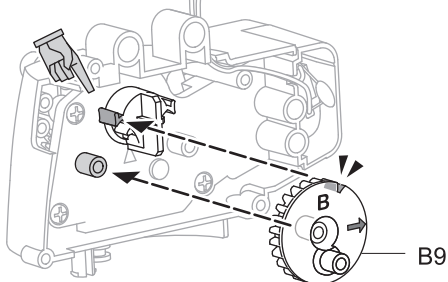
4



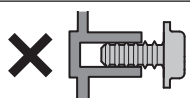
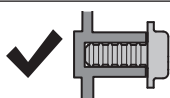
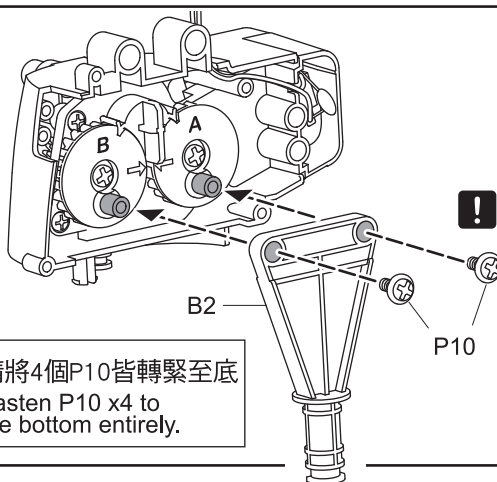
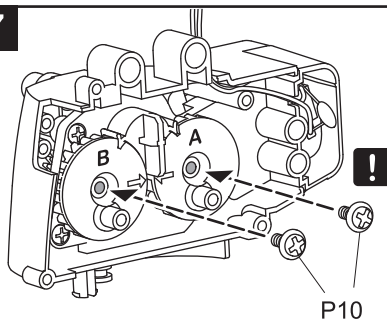
5



6

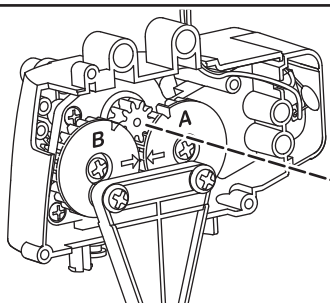


7

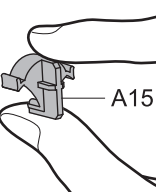


請將4個P10皆轉緊至底
Fasten P10 x4 to the bottom entirely.

8



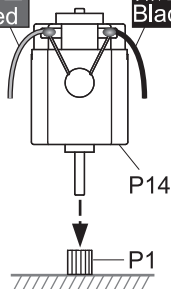
取下
REMOVE



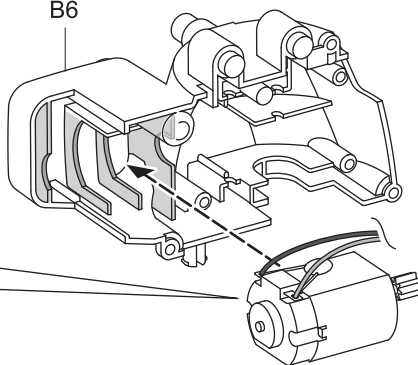
注意: A15僅為輔助工具，以上步驟皆完成後請將A15取下
Important: Remove assistance tool-A15 after above steps are finished.

9

紅色 Red
黑色 Black



B6

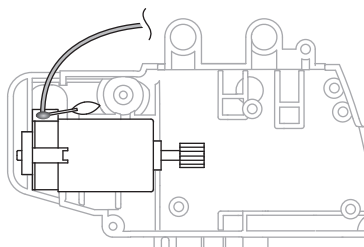
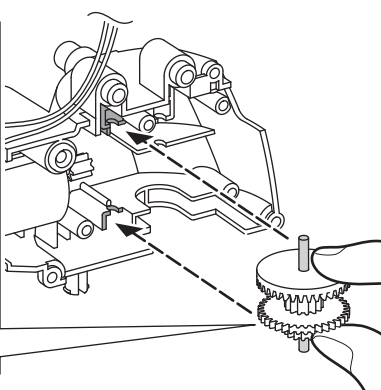


10

P12 (長) Long

P5 (白色) White

P4 (綠色) Green



側視圖 Side View

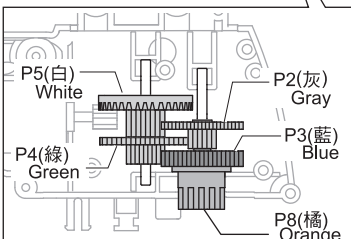
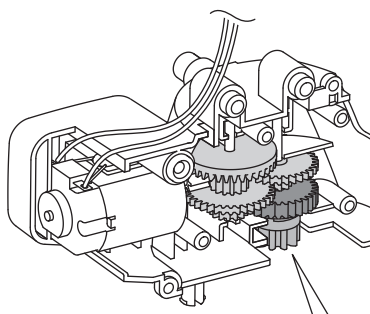
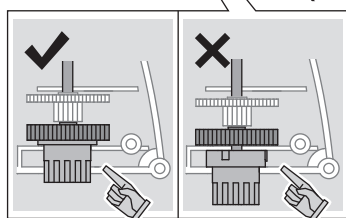
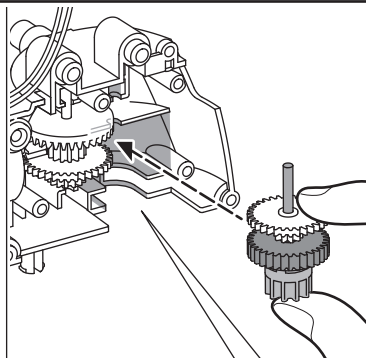
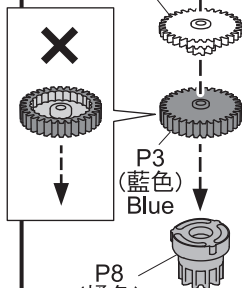
11

P12 (長) Long

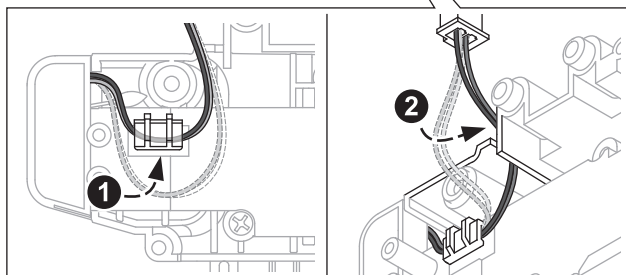
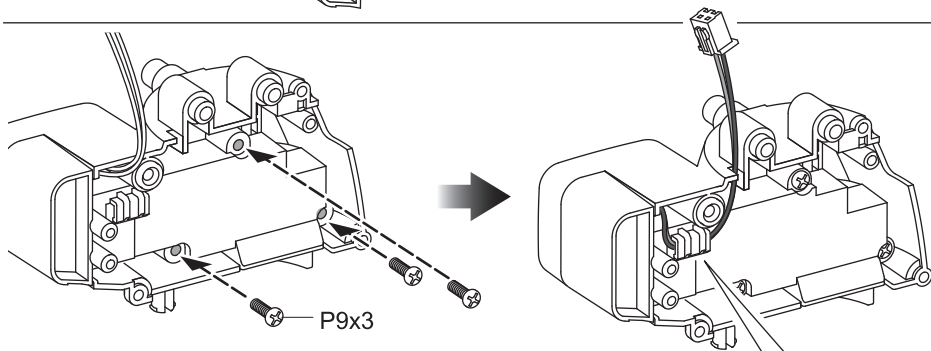
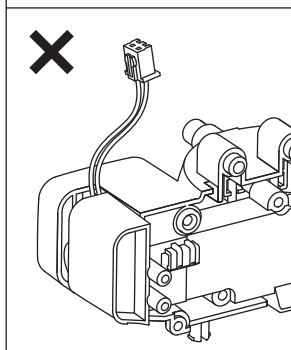
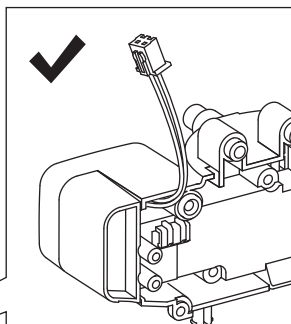
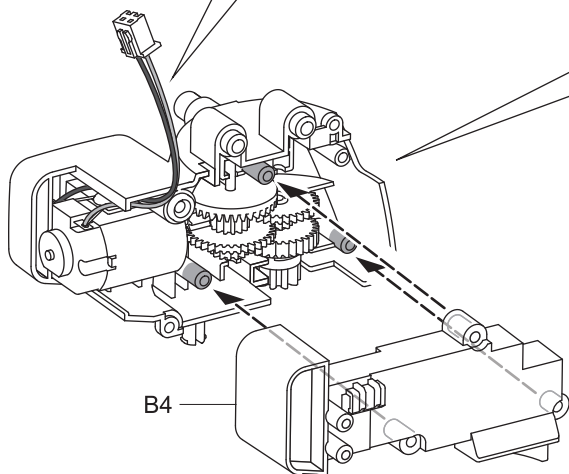
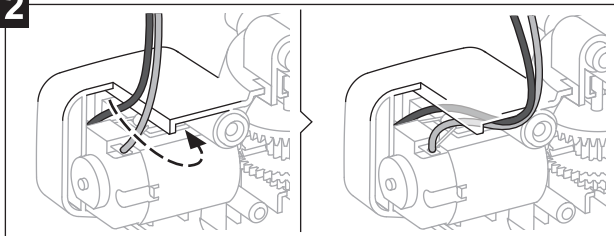
P2 (灰色) Gray

P3 (藍色) Blue

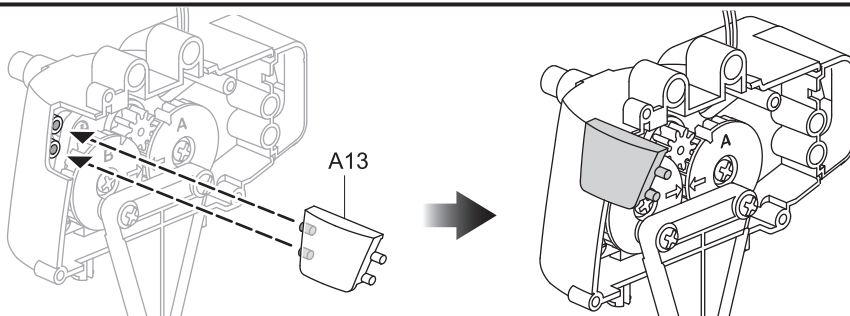
P8 (橘色) Orange



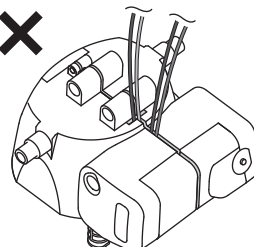
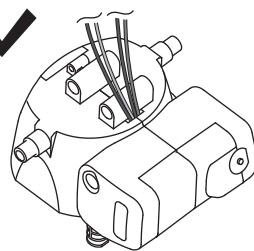
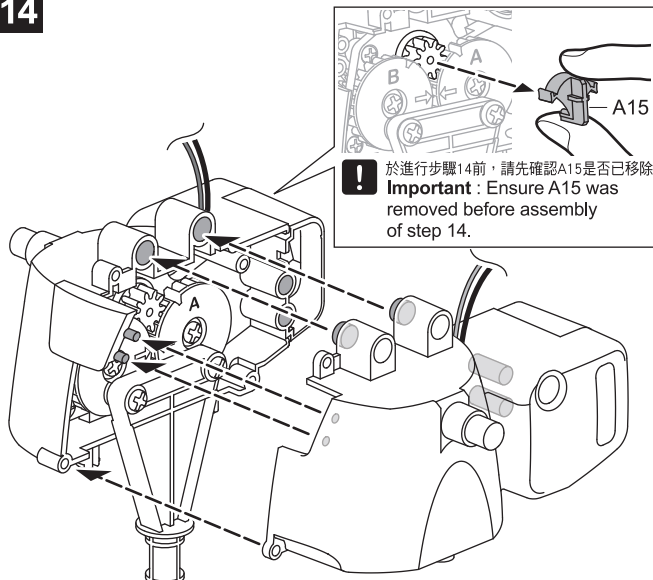
12



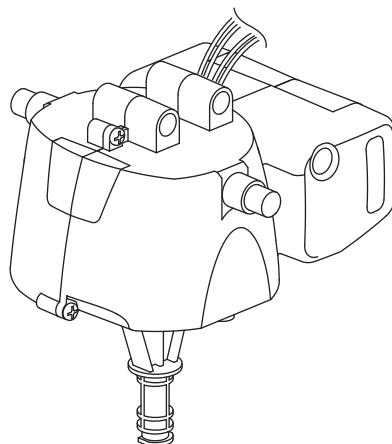
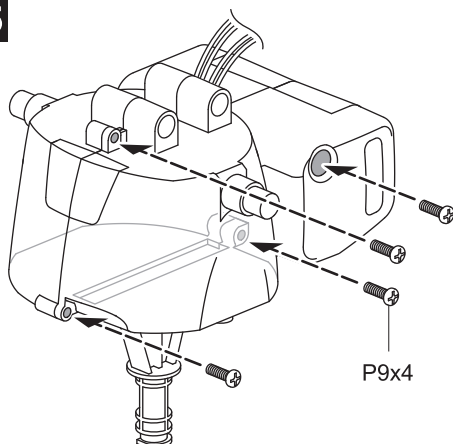
13



14

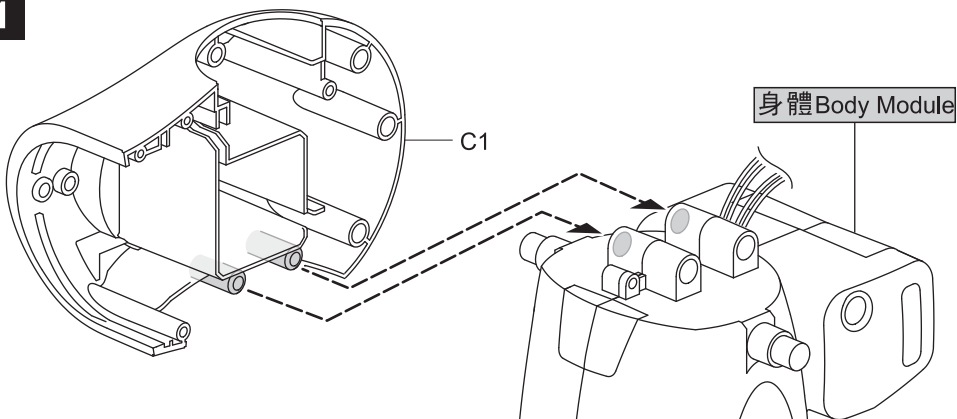


15

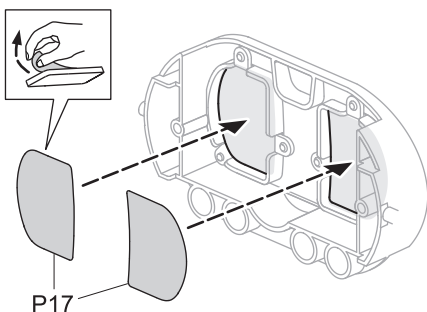
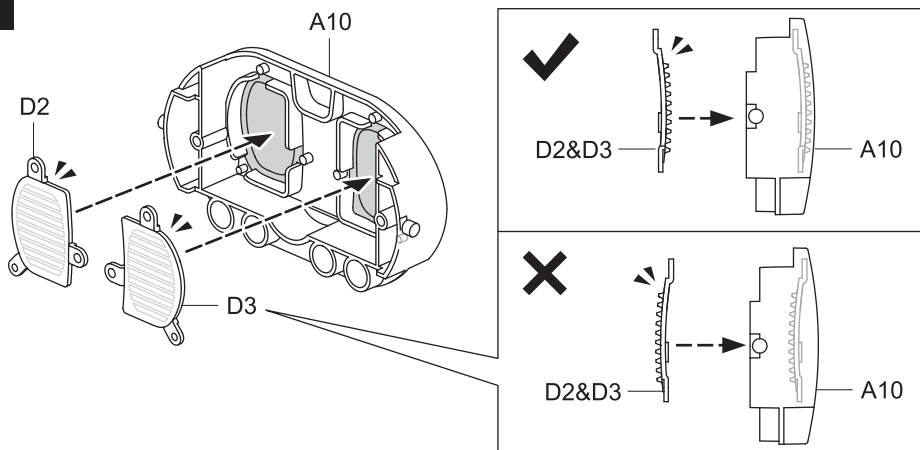


頭部組裝 Head Module Assembly

1

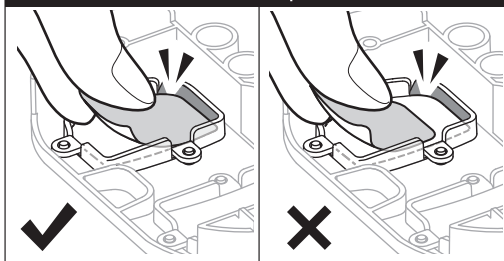


2



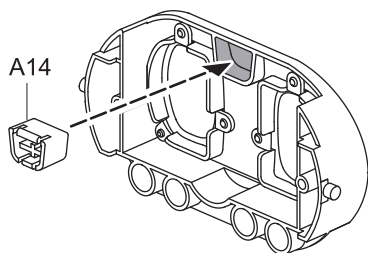
*請先將P17自白色離型紙取下
P17 is on a white sticker sheet

請注意! Important!

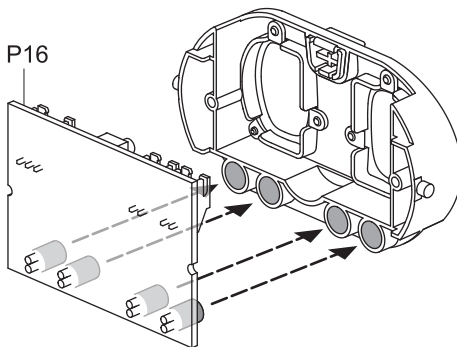


請將P17沿著A10缺口貼齊
Post P17 against corner of indent in A10

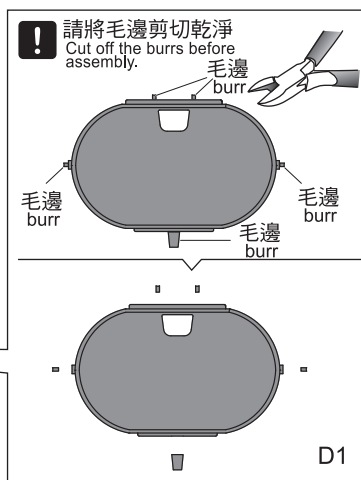
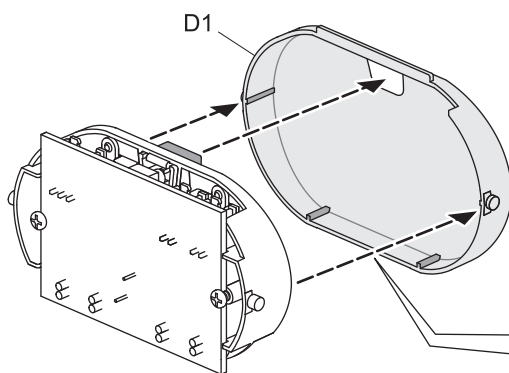
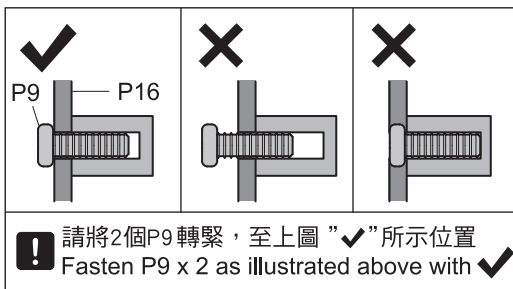
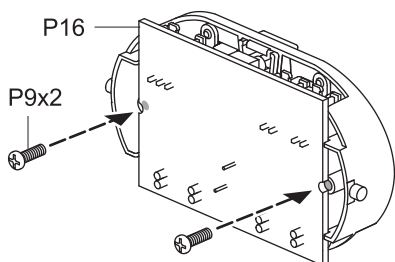
3



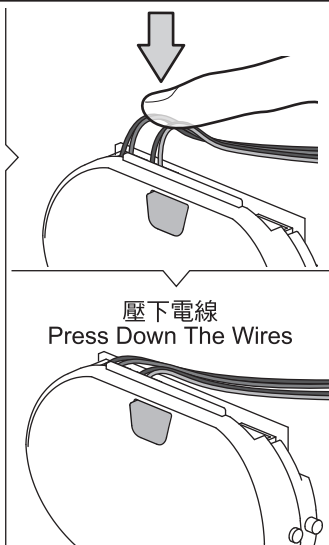
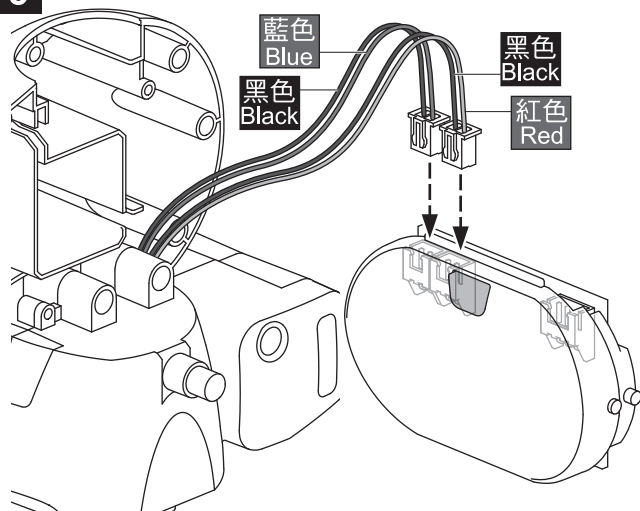
P16



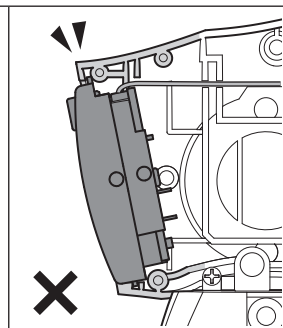
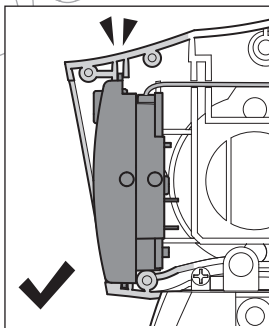
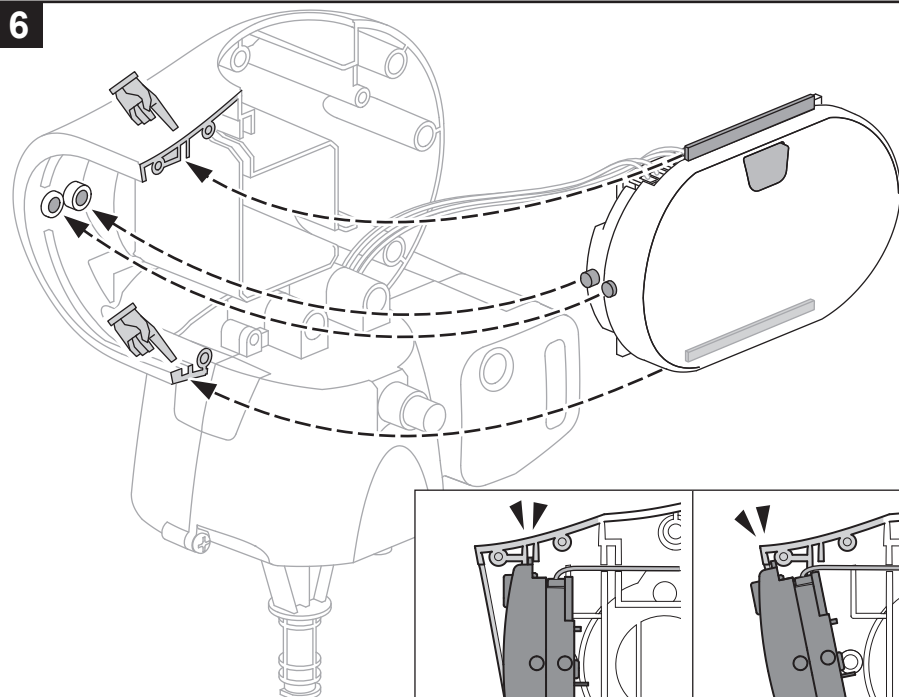
4



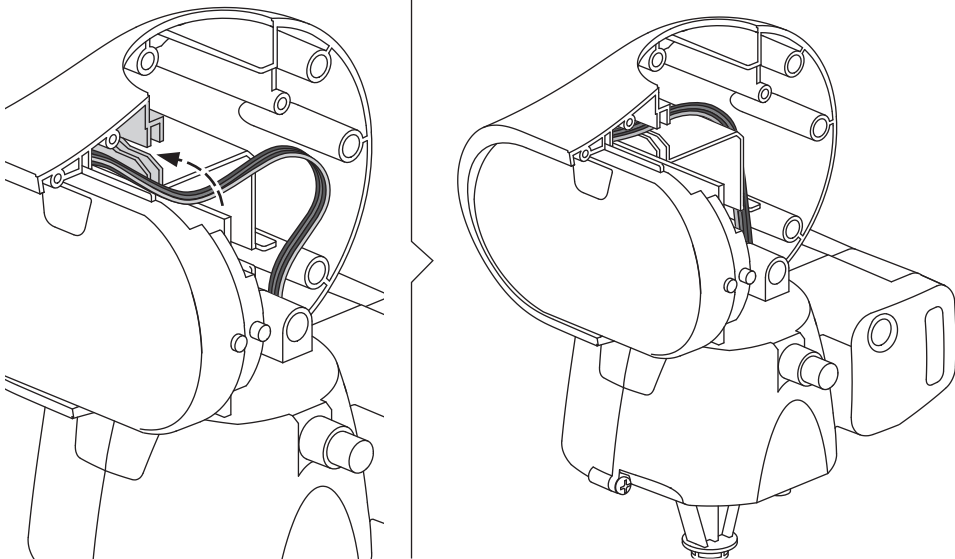
5



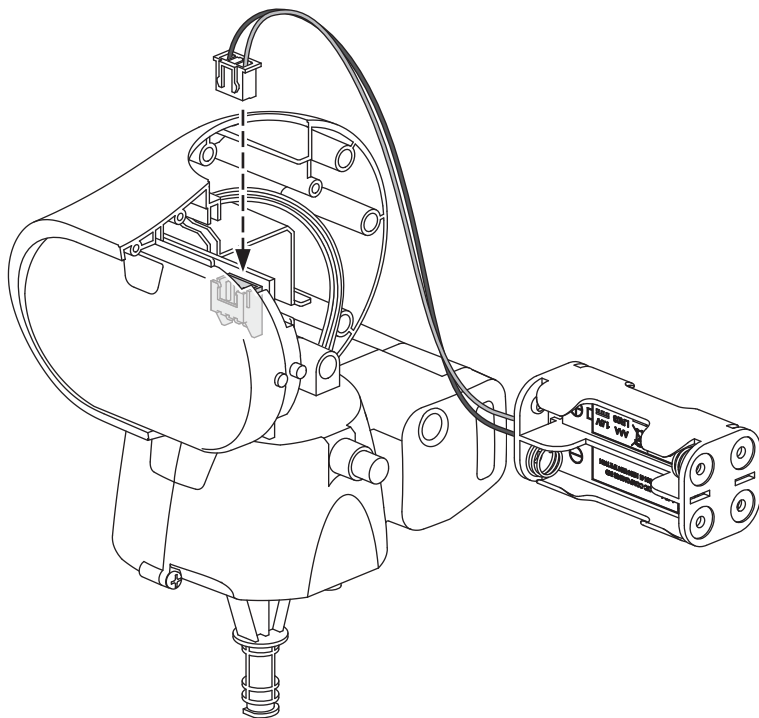
6

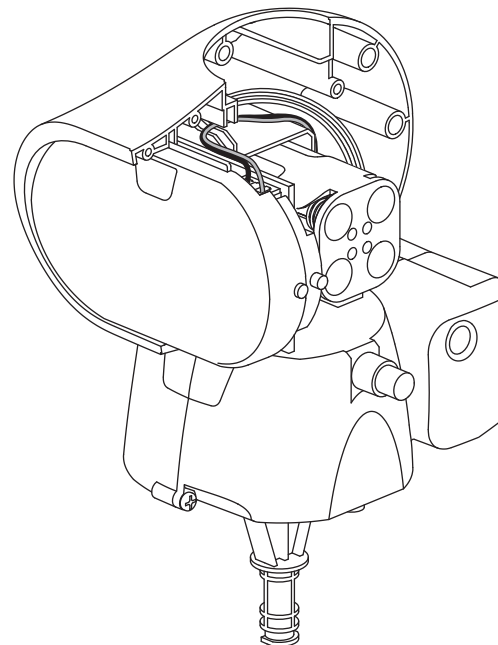
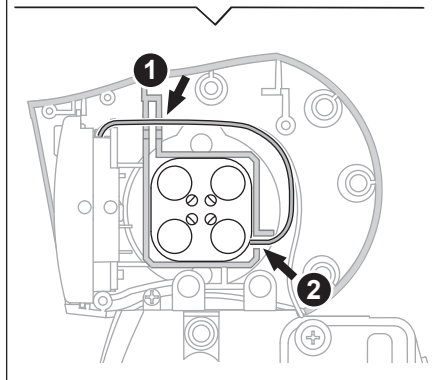
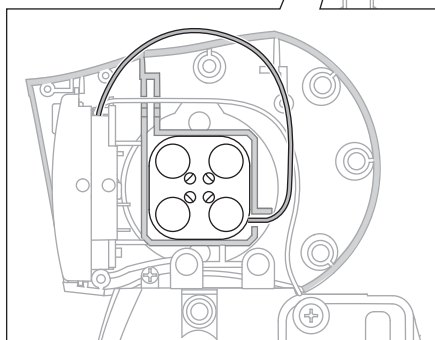
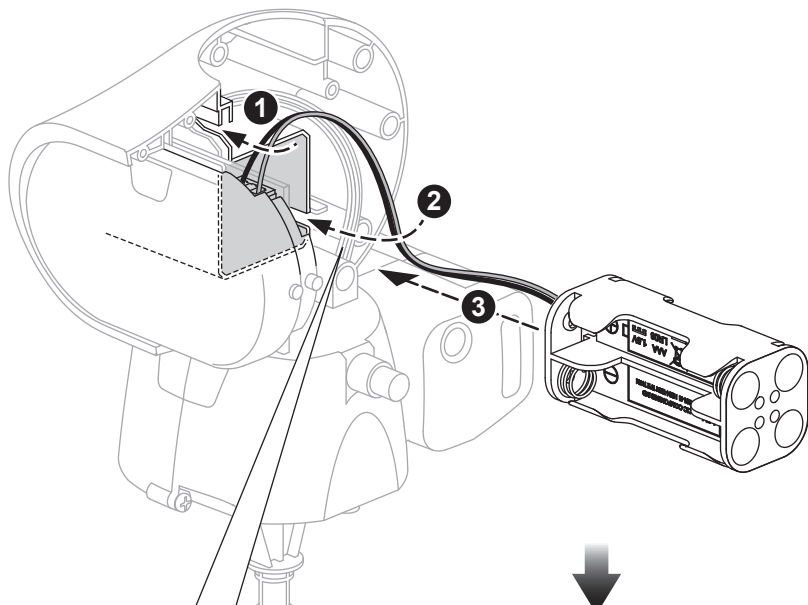


7

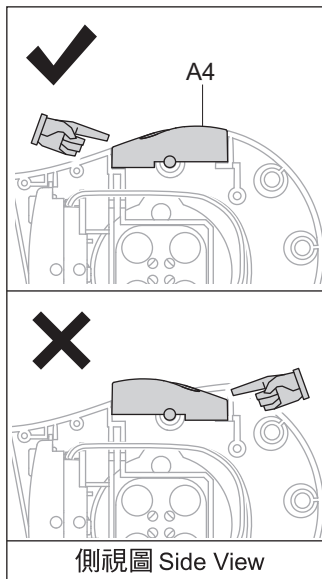
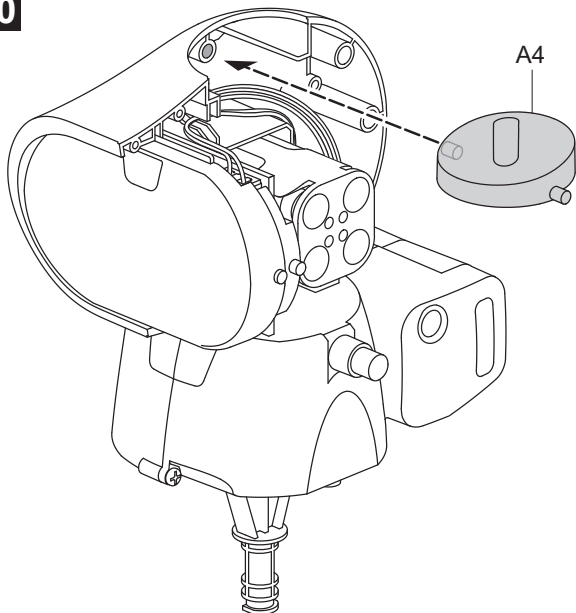


8

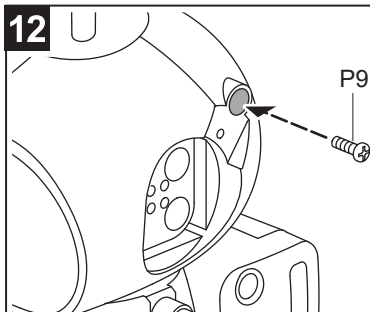
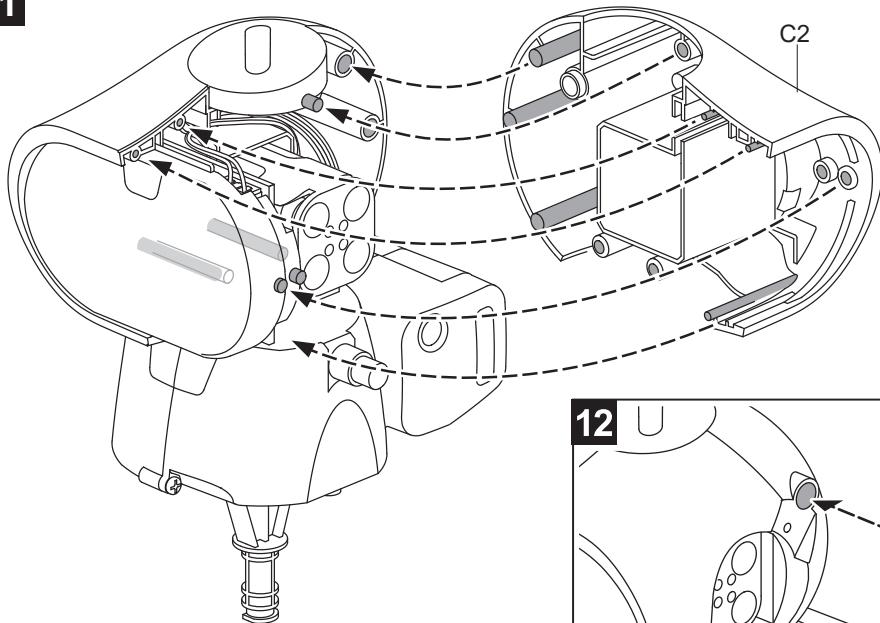




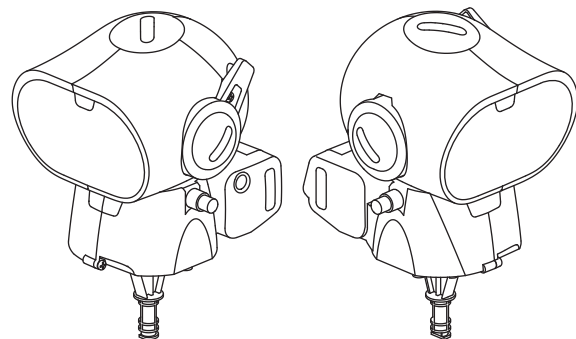
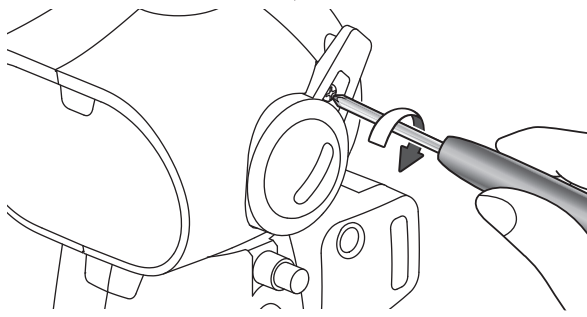
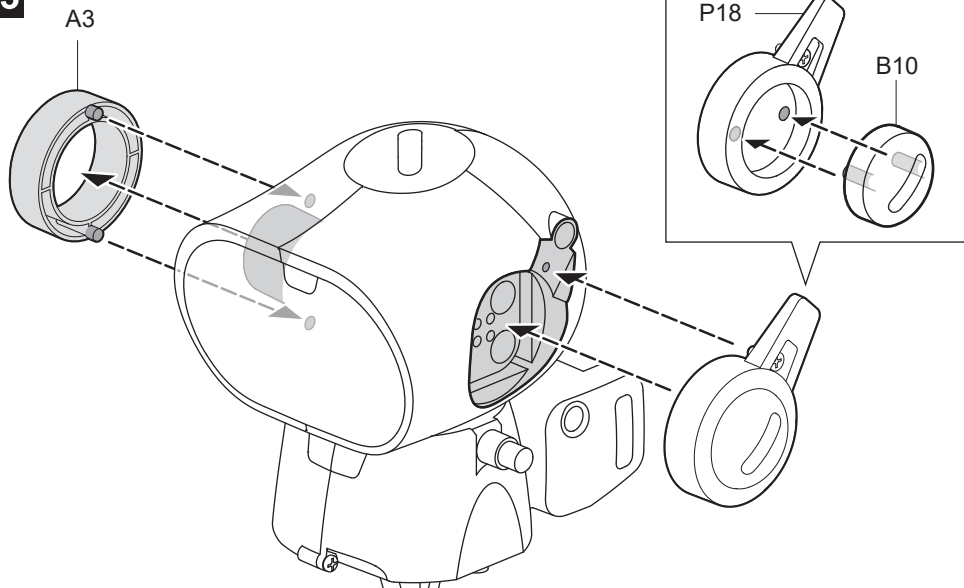
10



11



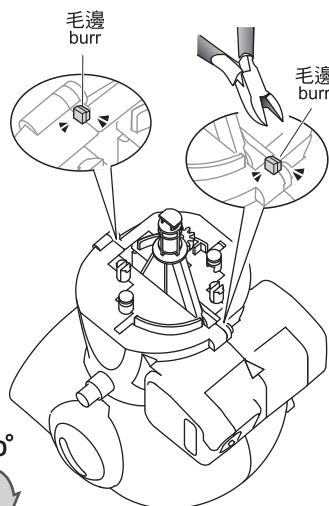
13



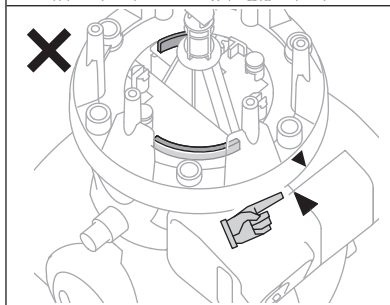
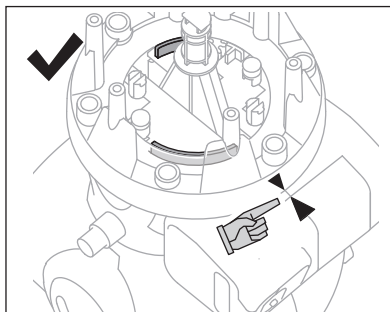
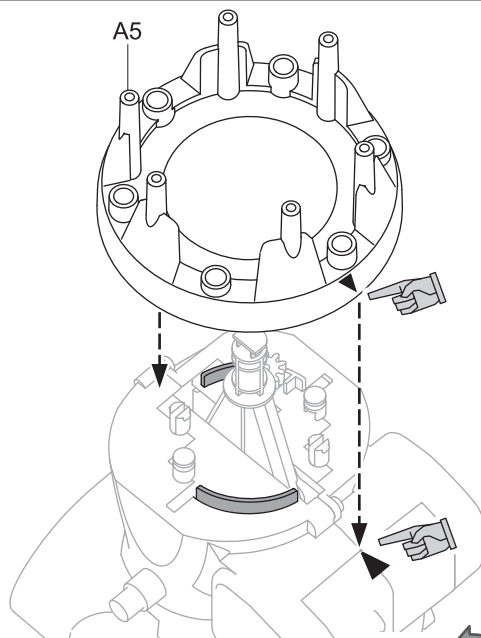
右視圖 Right View

左視圖 Left View

! 小技巧提醒: 請將毛邊剪切乾淨, 以免產生間隙導致運作不良
Tip: cut off the burrs before assembly

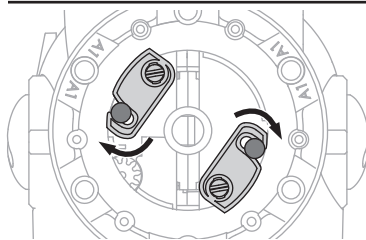
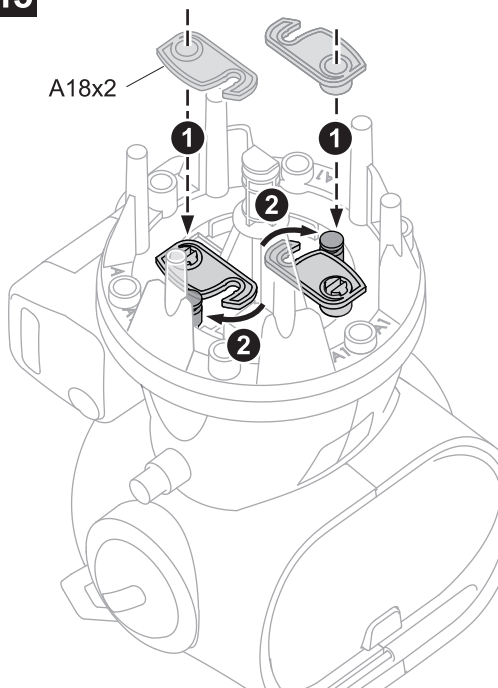


14

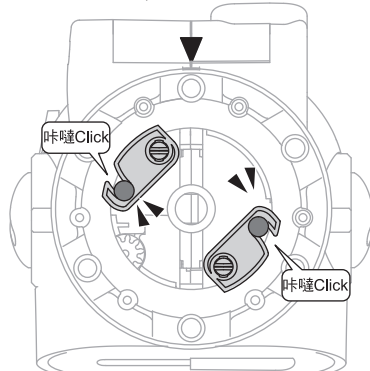


15

180°

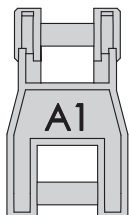


! 請確定A18安裝有發出"咔噠"聲
Make sure to snap on A18 with a "Click"



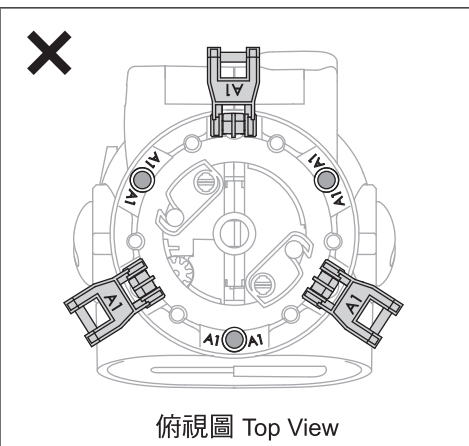
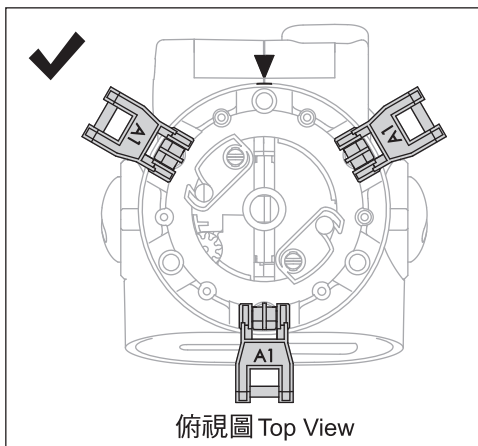
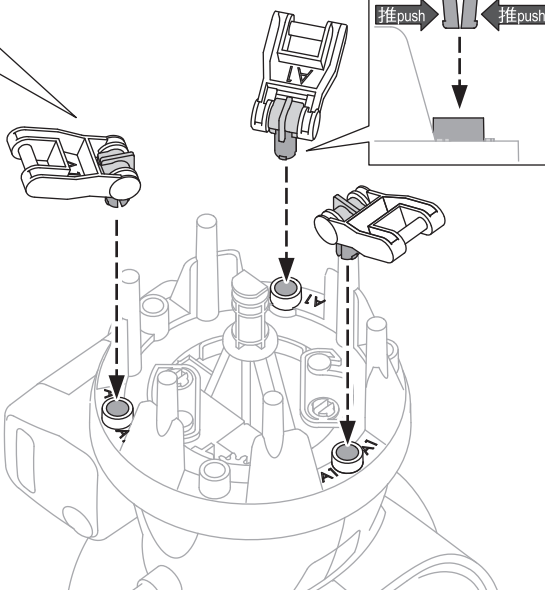
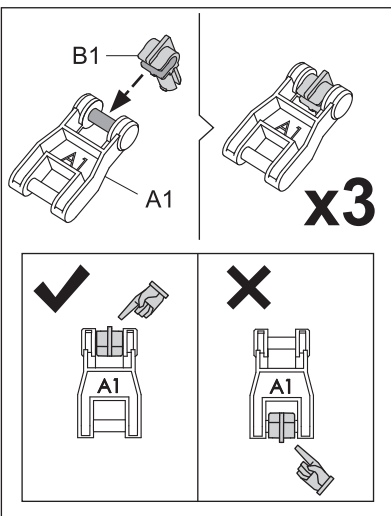
俯視圖 Top View

16

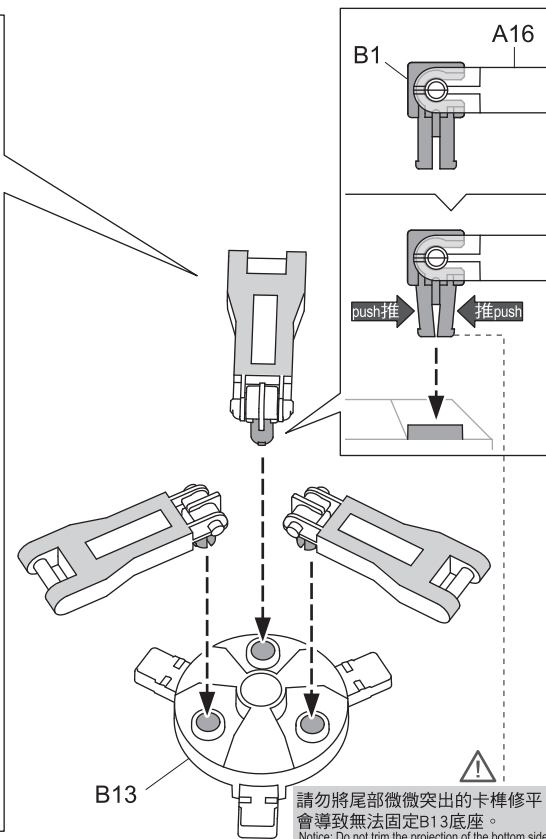
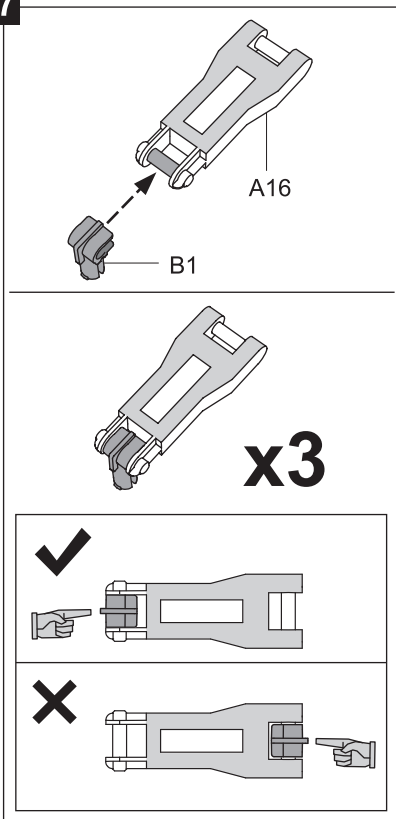


! 請勿將
A1 與 A2 混淆
Don't mix up
A1 & A2.

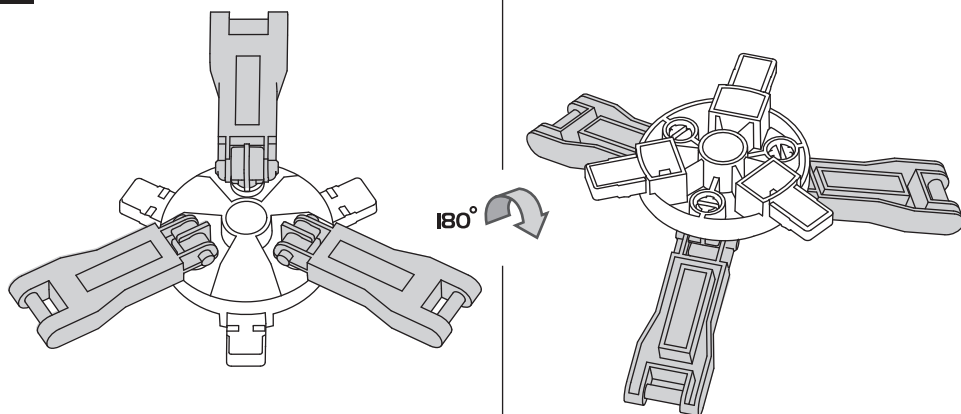
比例 1:1

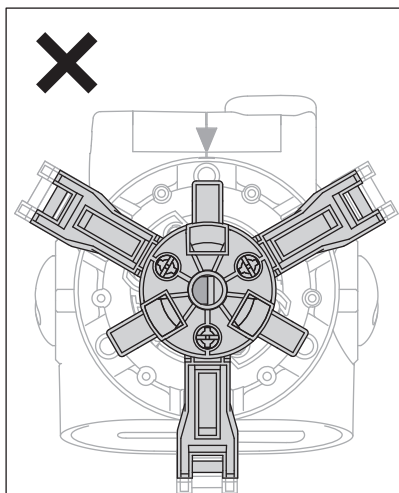
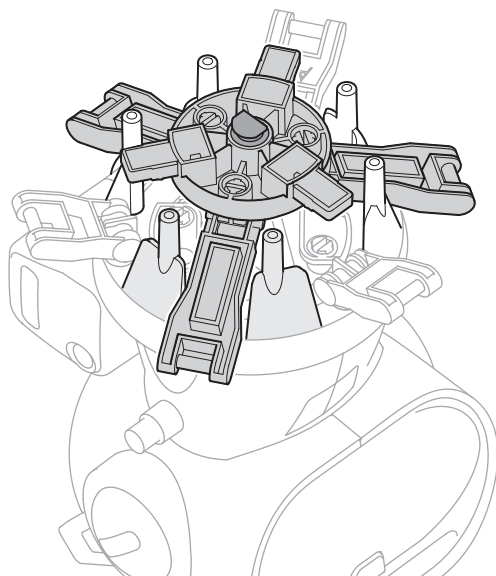
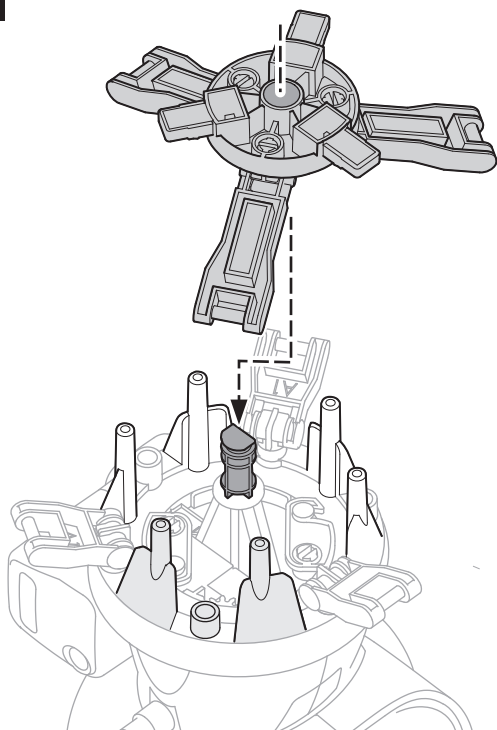


17

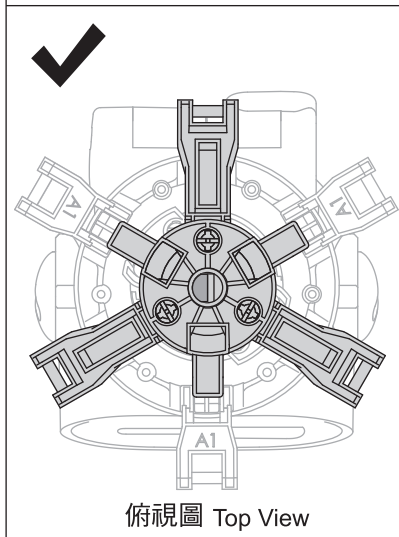


18



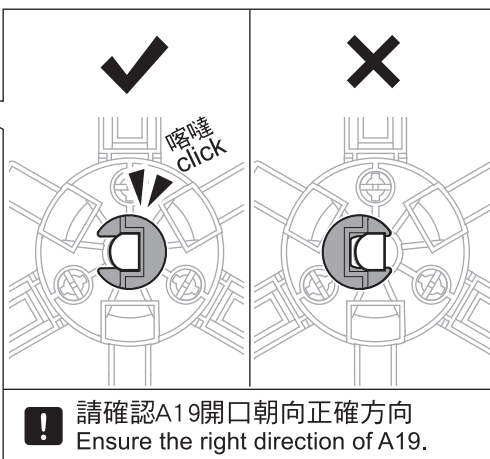
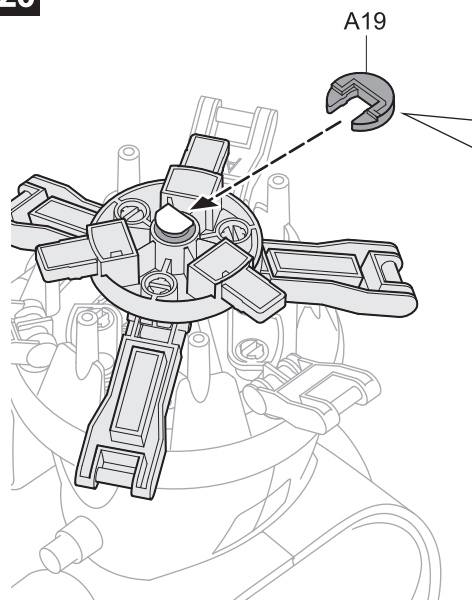


俯視圖 Top View

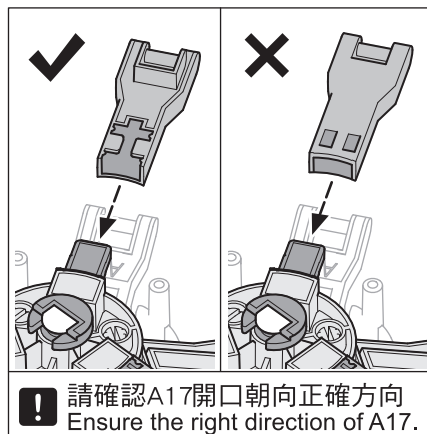
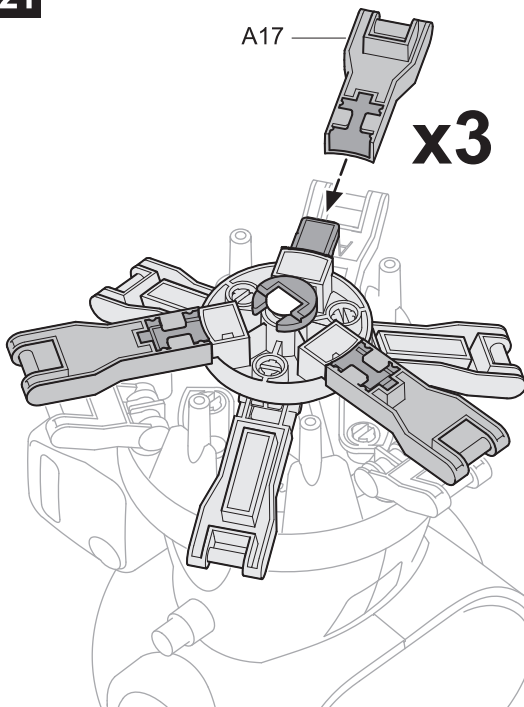


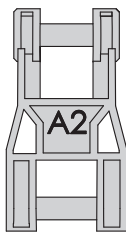
俯視圖 Top View

20



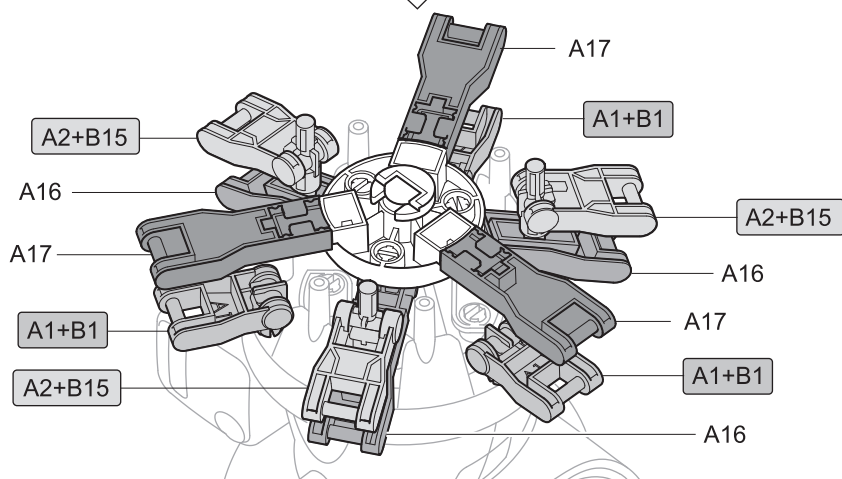
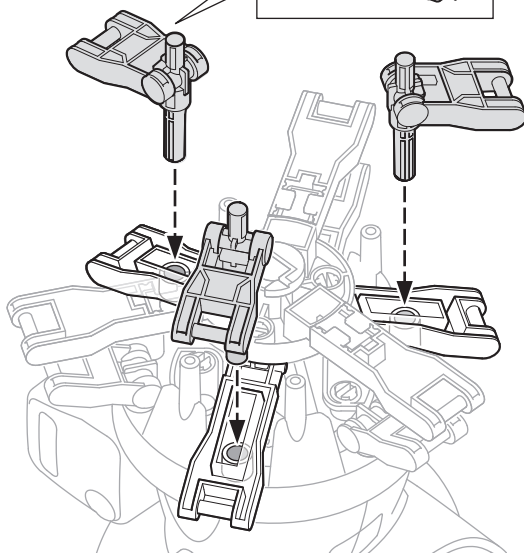
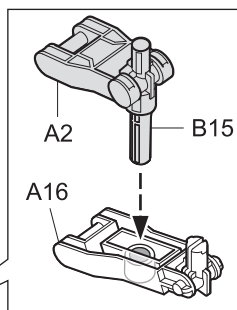
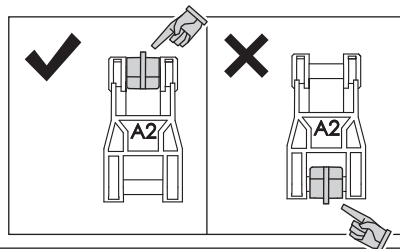
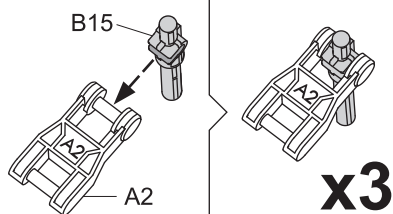
21



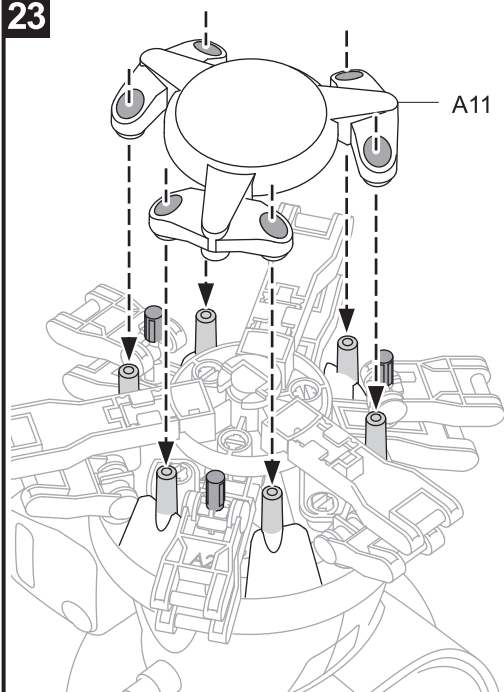


比例 1:1

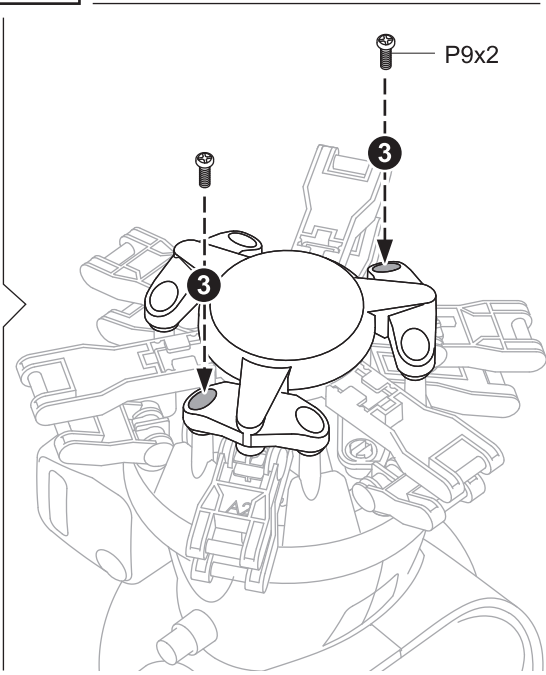
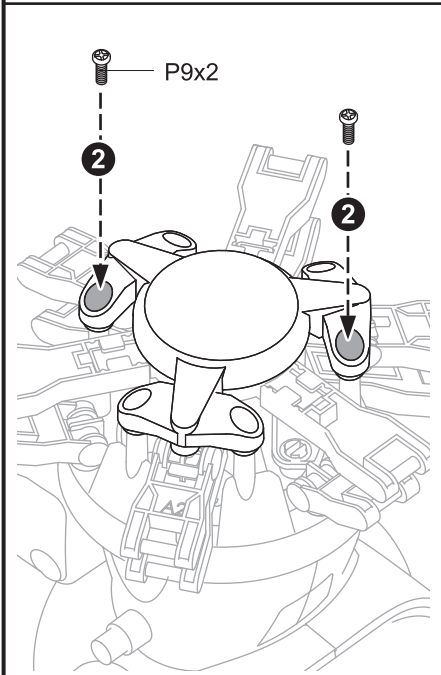
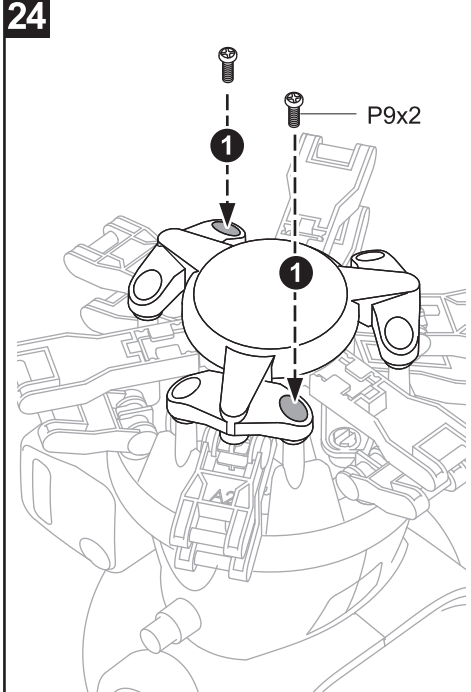
! 請勿將A2與A1混淆
Don't mix A2 & A1.



23

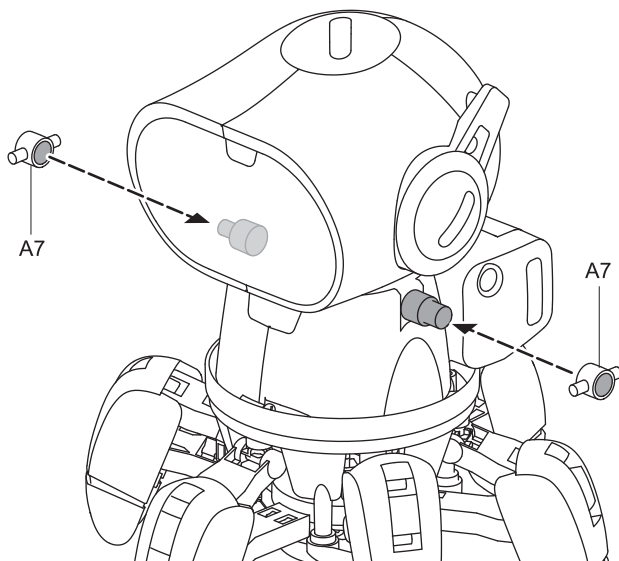
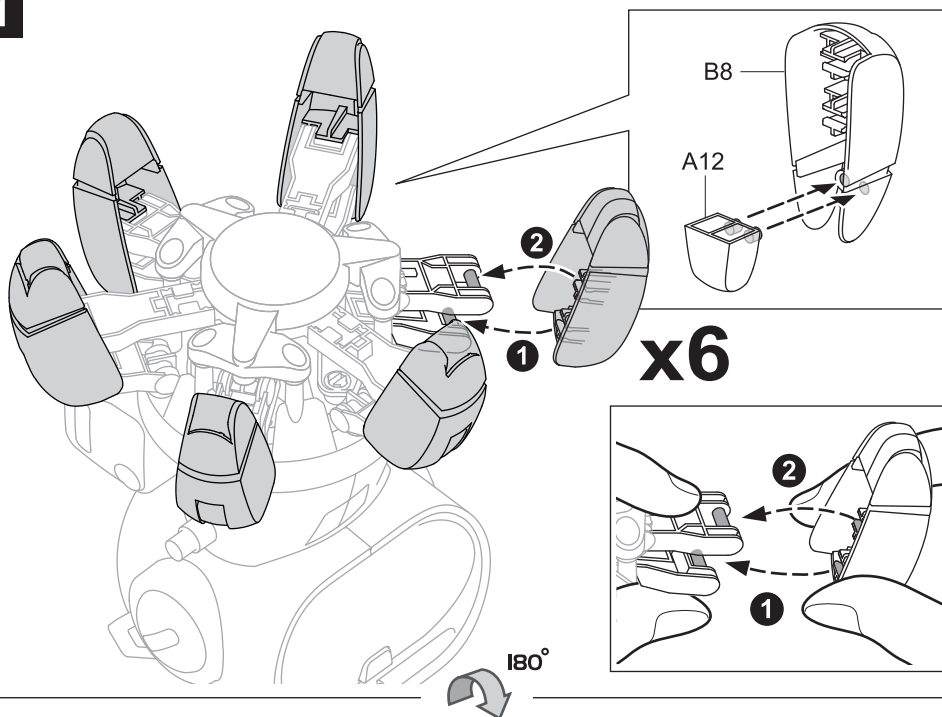


24



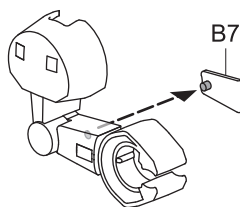
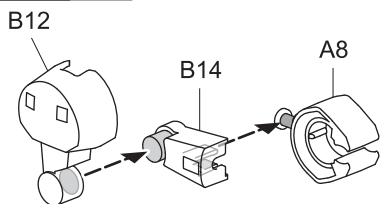
腳 / 手組裝 Feet & Arms Module Assembly

1



2

手臂 右
Arm R

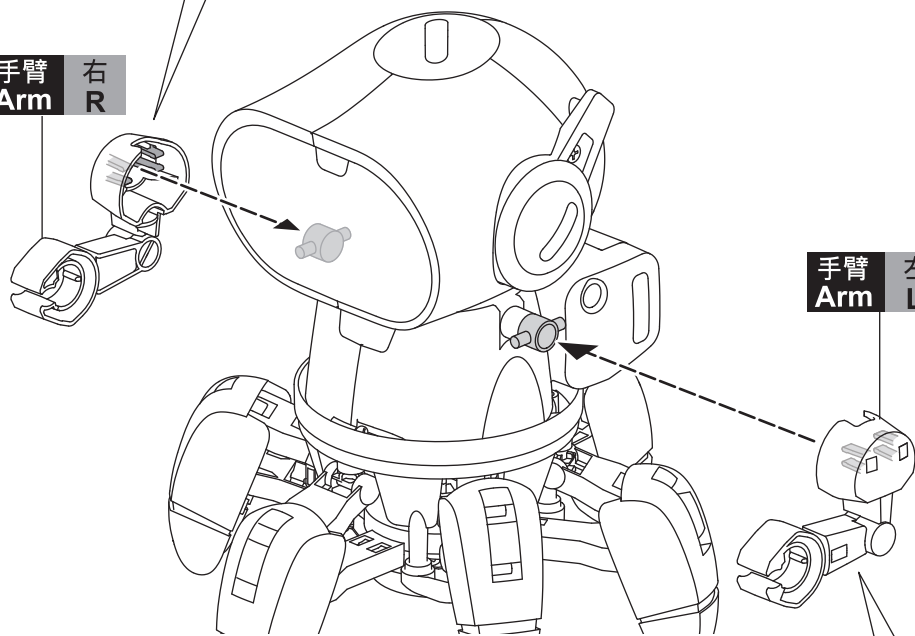


! 請將毛邊剪切乾淨
Cut off the burrs
before assembly.



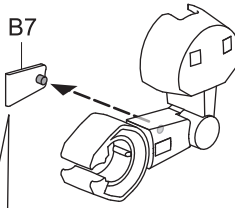
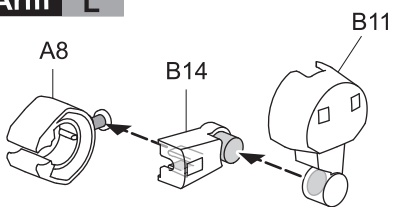
B7

手臂 右
Arm R



手臂 左
Arm L

手臂 左
Arm L

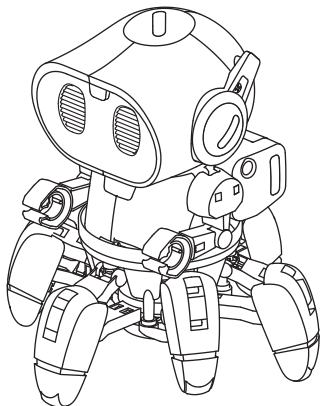


! 請將毛邊剪切乾淨
Cut off the burrs
before assembly.



B7

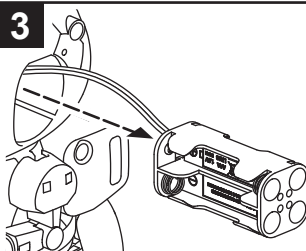
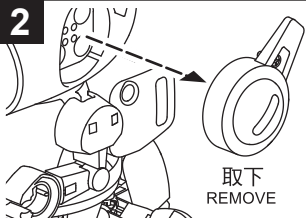
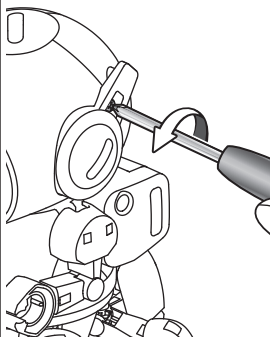
3 恭喜完成 Finish



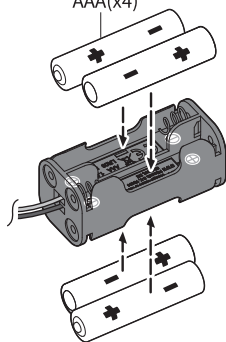
電池安裝 Battery Installation

1 ! 請在齒輪箱模組組裝完成後再裝上電池。

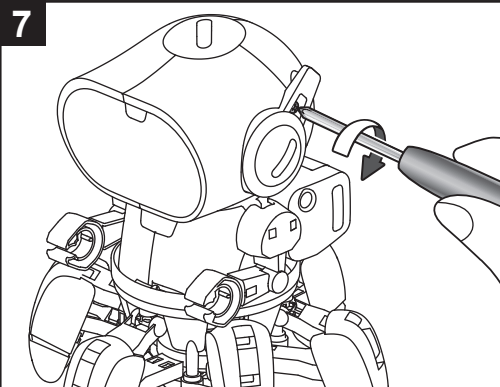
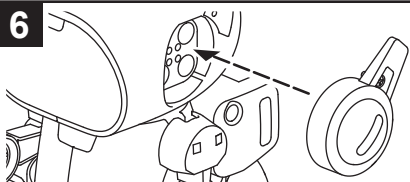
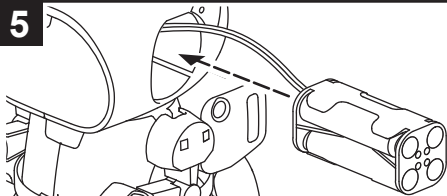
Only insert batteries when the gear box module assembly is completely finished.



4 AAA電池4顆 AAA(x4)



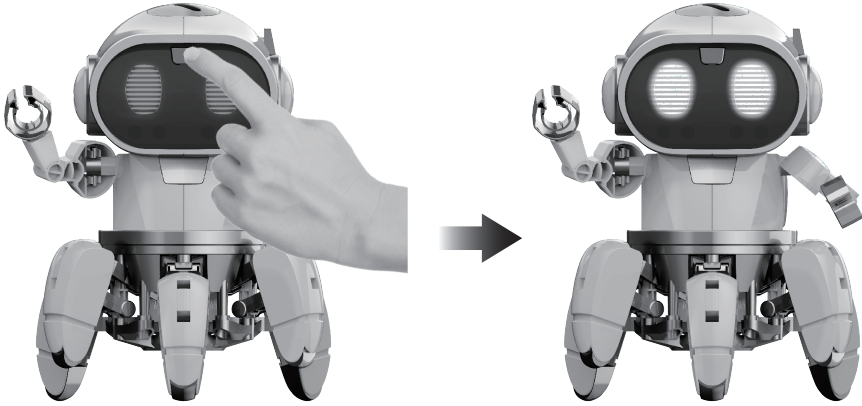
- 電池的安裝和更換應由成人操作或在成人監督下進行。
Removal and replacement of batteries should be carried out by adults or under adult supervision.
- 避免在電池盒內或電池端子之間造成短路。
Avoid short circuiting the contacts in the battery compartment or the battery terminals.
- 請將耗盡的電池從產品中移除，以避免漏液。
Remove exhausted batteries from the product to avoid leakage.
- 請勿混合使用舊電池與新電池，或不同類型的電池。
Do not mix used batteries and new batteries or batteries of different types.
- 請勿混合使用鹼性電池、標準（碳鋅）電池或可充電（鎳鎘）電池。
Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- 電池應按正確的極性插入。Batteries are to be inserted with the correct polarity.
- 請勿嘗試為不可充電的電池充電。Do not attempt to recharge non-rechargeable batteries.
- 可充電電池只能在成人監督下充電。
Rechargeable batteries are only to be charged under adult supervision.
- 可充電電池在充電前需從玩具中取出。
Rechargeable batteries are to be removed from the toy before being charged.
- 玩具連接的電源不得超過建議的數量上限。
The toy is not to be connected to more than the recommended number of power supplies.



遊戲方式 How To Play

1 開機-待機模式 Power On - " Standby " Phase

1. 長按開關鍵兩秒，寶比的眼睛(LED)將伴隨開機音效亮起
Long-press the switch for 2 secs. Probbie's eyes (LED) light up with sound effects
2. 寶比眼睛(LED) 閃爍 → 進入待機狀態 → 選擇遊戲模式
LED flashes → enter " Standby " phase → select playing mode.



<< 注意 >>: 待機模式期間，寶比會伴隨音效不斷跺步，提醒小主人選擇遊戲模式；
若超過60秒未選擇遊戲模式，寶比將自動關機。

Note: Do not keep Probbie waiting too long. Probbie will keep stamping its feet with sound alerts to remind you. If " Standby " phase stays more than 60 secs without mode selection, Probbie will " power off ".

2 兩種互動模式

操作簡單，一個開關即能迅速切換至遊戲模式1或2。
One single button to switch between modes (Funway 1 / Funway 2) alternatively

例Example:

按一次開關鍵 → 左眼(LED) 亮，進入遊戲模式一

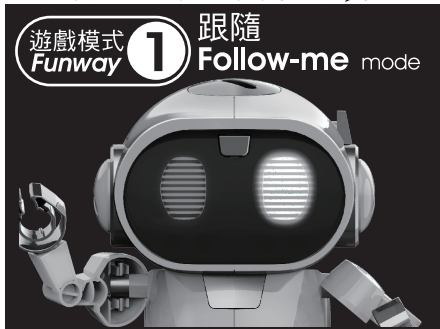
Press the switch once- LED (left) lights up → goes into mode "Funway 1"

再按一次開關鍵 → 右眼(LED) 亮，進入遊戲模式二

-redo(repress button) - LED (right) lights up → goes into mode "Funway 2"

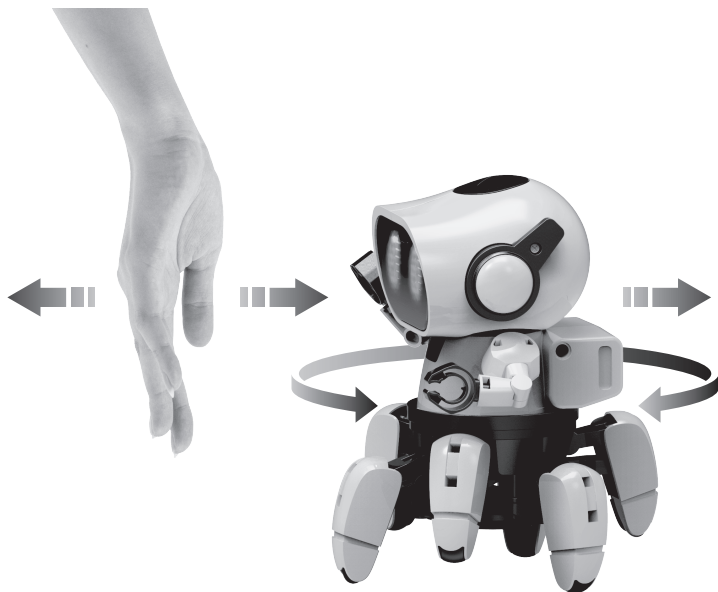
再按一次開關鍵 → 左眼(LED) 亮，進入遊戲模式一

-redo(repress button) - LED (left) lights up → goes into mode "Funway 1"



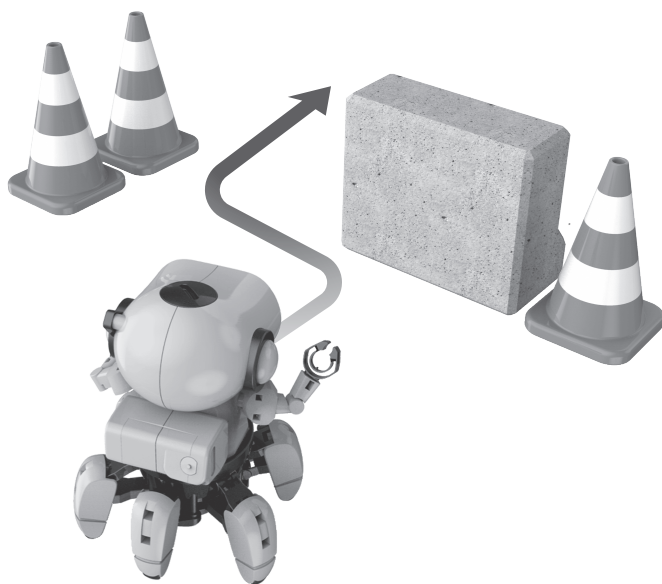
遊戲模式 1
Funway

跟隨 Follow-me
mode



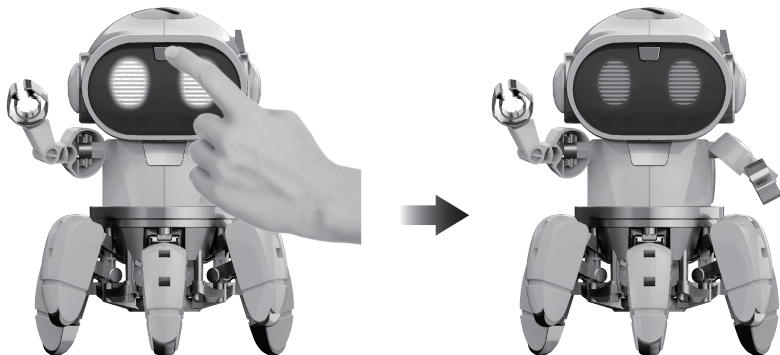
遊戲模式 2
Funway

探索 Explore
mode

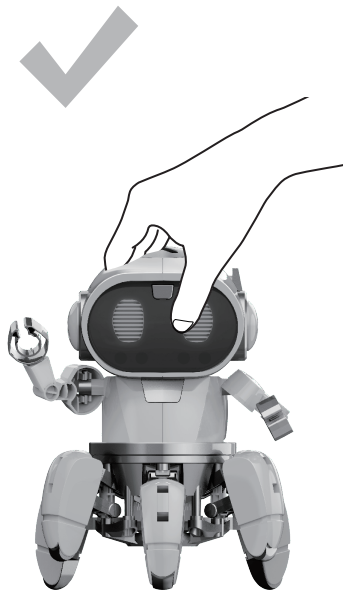


3 關機 Power Off

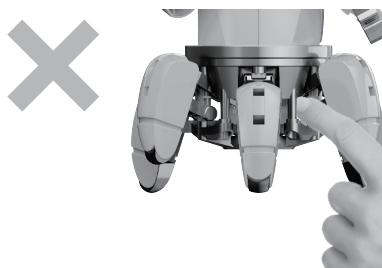
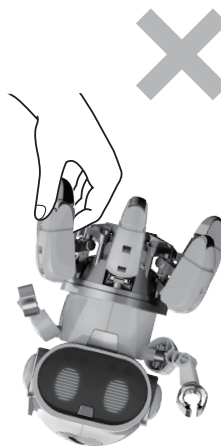
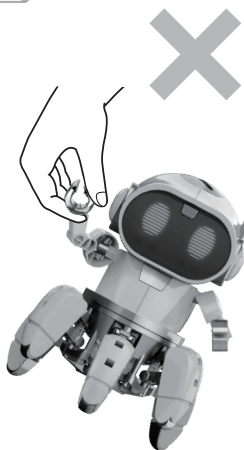
1. 長按開關鍵三秒
Long-press the switch for 3 secs.
2. 寶比活動力減緩，眼睛亮光（LED）伴隨關機音效漸滅 → 關機
Probbie becomes inactive, its LED eyes/Sound effects fade and then power off.
Probbie goes into "power off" mode.



注意 Warning

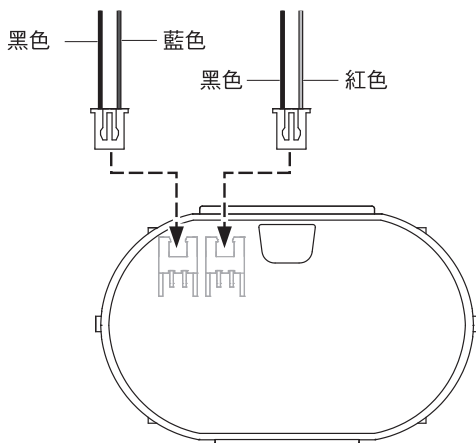


拿取時，請小心握住寶比的頭部位置。
抓取錯誤的位置(如右圖)將可能導致故障。
Be gentle when holding Probbie by its head, any improper motions(as shown to the right) might cause malfunction.



簡易故障排除 Trouble Shooting

1. 請確保電池安裝位置是否正確 (見第13頁，步驟 **7**)
Ensure batteries are placed in correct polarity. (refer to page 13, step **7**)
2. 開機後寶比仍無法動作(眼睛LED 燈不亮)，請確認螺絲是否鎖到底(見第11頁，步驟 **3**)
If Probbie does not work (LED doesn't flash) when pressing " power switch ", check and ensure the screws are fastened to the bottom entirely (refer to page 11, step **3**)
3. 請確認線路安裝位置正確(見第12頁，步驟 **5** ，線路圖如下)
Ensure all wirings are correct (refer to page 12, step **5** wire configuration as below)



4. 請避免在陽光下或鹵素燈下與寶比遊戲，以免寶比在移動時方向錯誤。
Do not play the Probbie under direct sunlight or halogen lamp, it may cause the robot to go wrong direction.
5. 當電池已達低電量狀態時，寶比會發出嗶嗶聲響。當電池電量耗盡時，再更換電池。
If Probbie emitted a sound " Bee Bee Bee " while playing, it is on " low-battery " alert. Replace new battery once it is exhausted.
6. 在探索模式時，若寶比無法動作且齒輪機箱持續運轉並發出 “答答”聲響，請依如下方式檢查：
Under " Explore " mode, if gearbox is still working but Probbie does not move and come with abnormal sound " Da Da Da " .
 - ① 請確認A19皆安裝正確(見第21頁，步驟**20**)
Refer to page 21, step **20**, check and ensure A19 is Installed correctly.
 - ② 請確認A15是否已取下(見第6頁，步驟**8**)
Refer to page 6, step **8**, check and ensure A15 is removed.
 - ③ 請確認所有螺絲皆如指示位置鎖緊(見第6頁，步驟**7** 及第11頁，步驟**3**)
Refer to page 6, step **7** and page 11, step **3**, check and ensure all screws are fastened tightly.
7. 若寶比走路不穩或跌倒，請確認 A1(見第18頁，步驟**16** 、
A2(見第22頁，步驟**22** 是否混淆且是否組裝正確。
If Probbie is walking unstably or tumbling, check if A1(refer to page 18, step **16**) & A2 (refer to page 22, step **22**) are not mixed, ensure both parts are installed correctly.

若需要購買零件，請參照以下零件表

When ordering parts, please include the following

1. 請留下訂購人姓名、寄送地址、連絡電話、E-mail
Name, address (no P.O. Box), telephone number, and email address.
2. 請註明產品名稱、產品型號、零件名稱、零件型號以及數量
Model name and model number.Part number, part name, and quantity.
3. 如有任何需求，請洽您的經銷商
Please contact local distributor if any query.

GE-893 AI智能寶比 零件表 Parts List

零件型號Part Number	零件名稱Part Name	數量 Qty
5GE-89300P1	小齒輪(白色) Pinion Gear(White)	
5GE-89300P2	齒輪(灰色) Gear 32/10T(Gray)	
5GE-89300P3	齒輪(藍色) Gear 32T(Blue)	
5GE-89300P4	齒輪(綠色) Gear 36/14T(Green)	
5GE-89300P5	齒輪(白色) Gear 36T(White)	
5GE-89300P6	齒輪(橘色) Gear 36T(Orange)	
5GE-89300P7	齒輪(粉紅色) Gear 36T(Pink)	
5GE-89300P8	出力齒輪(橘色) Gear 10T(Orange)	
5GE-89300P9	自攻螺絲 Tapping Screw	
5GE-89300P10	華司螺絲 Tapping Screw	
5GE-89300P11	圓軸(短) Shaft (Short)	
5GE-89300P12	圓軸(長) Shaft (Long)	
5GE-89300P13	馬達端子組(藍黑) Motor With Connector	
5GE-89300P14	馬達端子組(紅黑) Motor With Connector	
5GE-89300P15	電池座 Battery Holder Connector	
5GE-89300P16	電路板 PC Board	
5GE-89300P17	貼紙 Sticker	
5GE-89300P18	帶螺絲的電池盒蓋 Battery Installation	

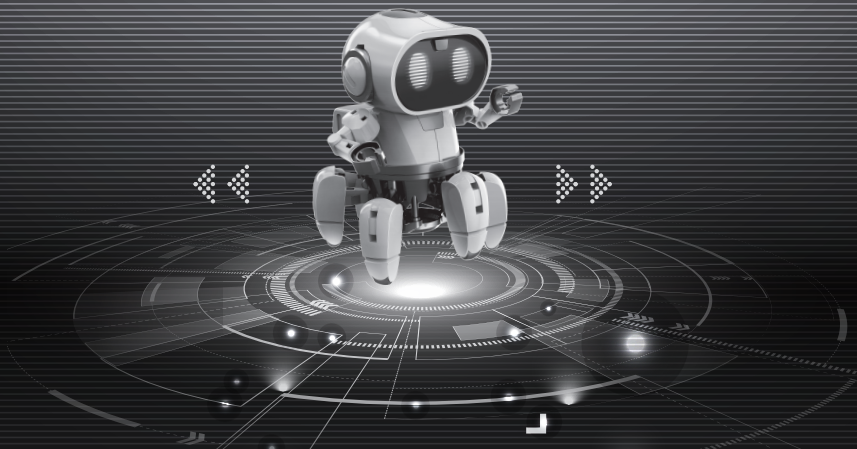


警告及注意事項

內含小零件，請勿讓三歲以下孩童使用，避免誤食危險。不可對着人臉和眼部衝撞，避免造成意外傷害。

Probbie The Robot

◦ Your adorable smart friend ◦ **AI 智能寶比**



- 電池移除或更換應由成人或在成人監督下進行。
Removal and replacement of batteries should be carried out by adult or under adult supervision.
- 請避免電池或電池連接器端子短路。
Avoid short circuiting the contacts in the battery compartment or the battery terminals.
- 電池長期不用或電力耗盡時請取出以避免電池漏液。
Remove exhausted batteries from the product to avoid leakage.
- 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。
Do not mix used batteries and new batteries or batteries of different types.
- 請勿混合鹼性、碳鋅電池或充電電池使用。
Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- 電池放入前請先確認正確正負極性方向。
Batteries are to be inserted with the correct polarity.
- 請勿試圖對非充電電池進行充電。
Do not attempt to recharge non-rechargeable batteries.
- 充電電池應在成人監督下進行充電。
Rechargeable batteries are only to be charged under adult supervision.
- 充電前請將充電電池自玩具中取出。
Rechargeable batteries are to be removed from the toy before being charged.

Pro'sKit®

寶工實業股份有限公司
PROKIT'S INDUSTRIES CO., LTD

新北市新店區民權路130巷7號5樓
5F, No. 7, Lane 130, Ming-Chung Rd., Hsin-Tien Dist,
New Taipei City, Taiwan, R.O.C Post code: 231023

服務專線 Tel: +886 2 2218 3233 #327

傳真 Fax: +886 2 2218 2722

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

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

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

