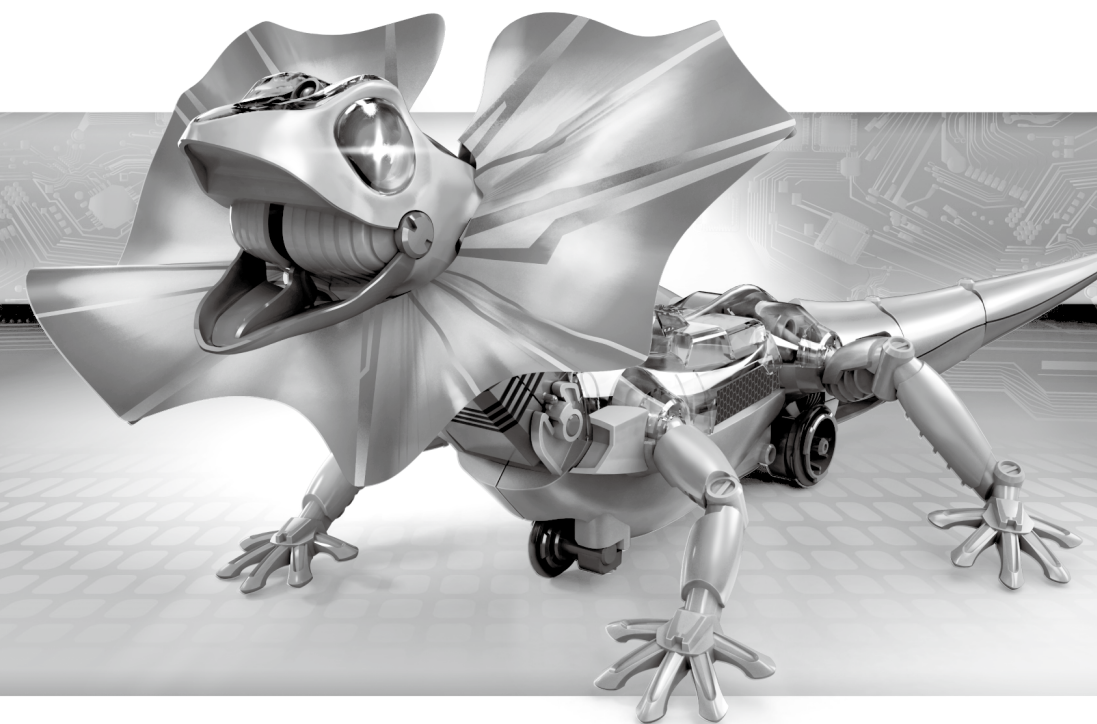


GE-892

Pro'sKit®

AI 智能傘蜥蜴

Frilled Lizard Robot Kit



Assembly & Instruction
Manual
組裝說明手冊

AI 智能傘蜥蜴 Frilled Lizard Robot

產品介紹 Product Introduction

歡迎購買實工GE-892，這是一款使用紅外線感測器的玩具，具有“跟隨”及“逃跑”兩種互動模式。當紅外線感測器設定為逃跑模式，AI智能傘蜥蜴測到物體時會自動作出威脅反應，張開頸部的傘狀皮褶並張狂的抖動雙頰，雙眼發出光亮後就逃走到安全地帶。如果紅外線感測器設定為跟隨模式，智能蜥會張開傘狀皮褶表示受到威脅並後退，若無感測到危險則智能蜥會如同寵物般跟隨你。本玩具聲光效果十足，互動性佳，兒童可在玩樂中體會紅外線感測的效果。8~10歲兒童可由父母協助一同組合，10歲以上可嘗試獨立組裝，父母在旁陪伴，簡單的組裝步驟讓您輕鬆上手，兒童也可從中得到自我滿足的成就感，同時快樂的享受親子共遊的樂趣。

Frilled Lizard Robot has an infrared sensor that is programmed to “escape” or “approach-me”. If the infrared sensor is activated in the “escape” mode the robot will automatically act “shocked!”, spreading its frill, dropping its jaw, illuminates its bicolor LED eyes and will scurry away until it escapes to a safe distance. If the infrared sensor is switched to the “approach-me” mode using the 2 way function switch, then the robot will assess danger by bluffing the attacker (unfurling and shaking its frill). When the robot does not sense danger it might approach you like a pet lizard.



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. 兒童使用剪刀工具時，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.


自備工具如下 Tools You May Need

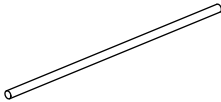
斜口鉗 Diagonal Cutter	十字起子 Screwdriver	美工刀 Knife	鎚子 Hammer	AAA電池4顆 Battery(AAA) x 4
				 (建議使用鹼性電池) (出貨不含) Alkaline batteries are recommended Not included

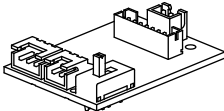
零件清單 Mechanical Parts List

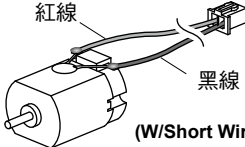
! 部分零件含有銳利的邊緣及尖角 Product contains functional edges and sharp points.

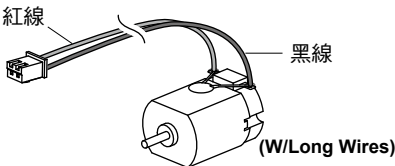
P1 小齒輪(白色) Pinion Gear(White)	P2 小齒輪(紅色) Gear(Red)	P3 齒輪(黃色) Gear(Yellow)	P4 齒輪(白色) Gear(White)
 數量 QTY 2	 數量 QTY 1	 數量 QTY 1	 數量 QTY 1
P5 齒輪(紫色) Gear(Purple)	P6 六角齒輪組 Gear With Shaft	P7 自攻螺絲 Tapping Screw	
 數量 QTY 1	 數量 QTY 1	 數量 QTY 5	
P8 六角軸(短) Hex Shaft(Short)	P9 六角軸(中) Hex Shaft(Middle)	P10 六角軸(長) Hex Shaft(Long)	
 (1:1) 數量 QTY 1	 (1:1) 數量 QTY 1	 (1:1) 數量 QTY 1	


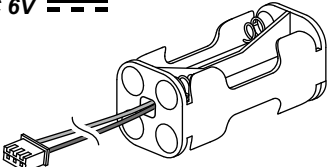
P11 圓軸(短) Round Shaft(Short)	
	數量 QTY 2

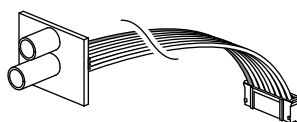
P12 圓軸(長) Round Shaft(Long)	
	數量 QTY 1

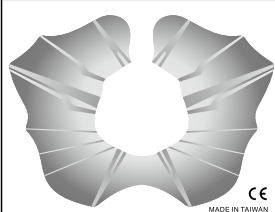
P13 電路板 PC Board	
	數量 QTY 1

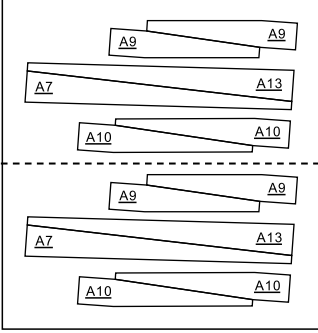
P14 馬達帶端子(短線) Motor With Connector	
 <p>紅線 黑線 (W/Short Wires)</p>	數量 QTY 1

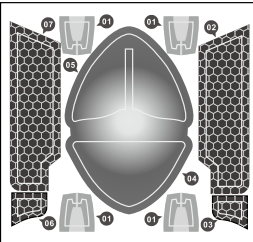
P15 馬達帶端子(長線) Motor With Connector	
 <p>紅線 黑線 (W/Long Wires)</p>	數量 QTY 1

P16 電池座 Battery Holder	
<p>DC 6V </p> 	數量 QTY 1

P17 紅外線感測電路 PC Board With Connector	
	數量 QTY 1

P18 傘狀皮摺 Frill	
 <p>CE MADE IN TAIWAN</p> <p>(附備品1片) Spare part : 1 pc</p>	數量 QTY 1

P19 雙面膠 Adhesive Tape	
 <p>(含備品) Spare Parts</p>	數量 QTY 1

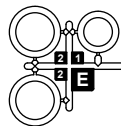
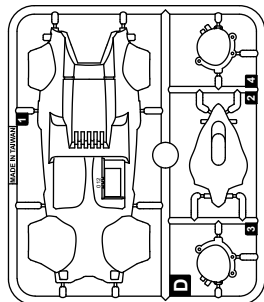
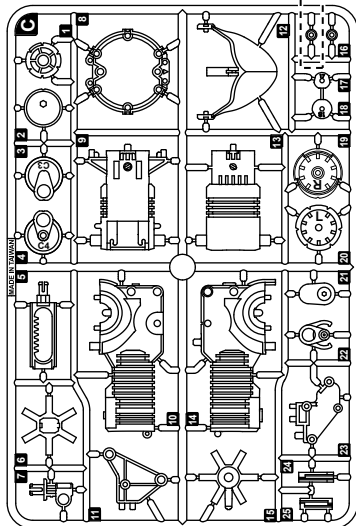
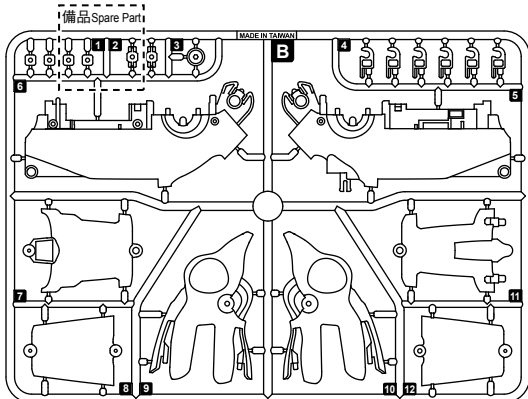
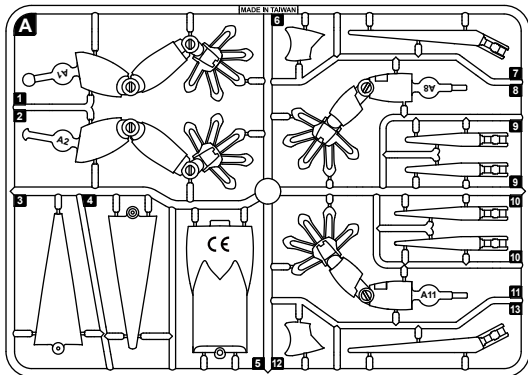
P20 貼紙 Sticker	
	數量 QTY 1

塑膠模型零件 Plastic Parts

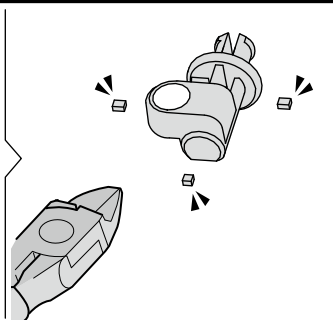
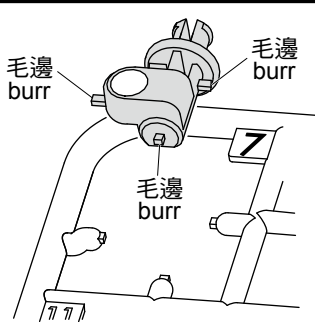
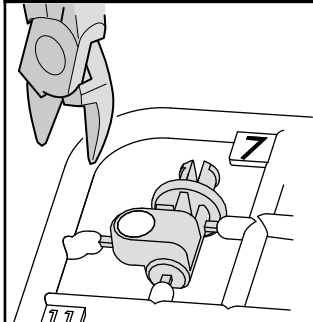


請依照組裝步驟將所需的零件剪下，事先全數剪下會在組裝時造成混淆。
Cut the plastic parts when they are required. Do not cut them in advance.

備品 Spare Part

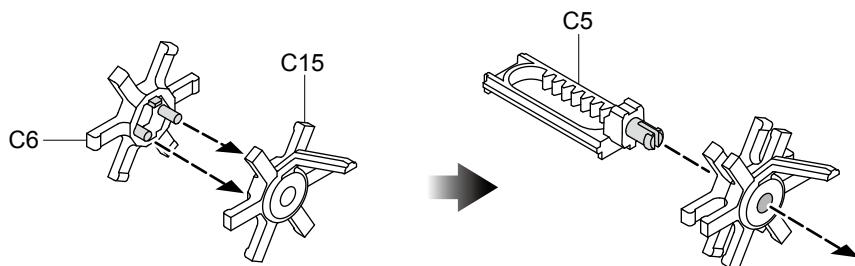


小技巧提醒：零件剪下時請將毛邊剪切乾淨，以免組裝後造成運作不良
Tip: cut off the burrs before assembly

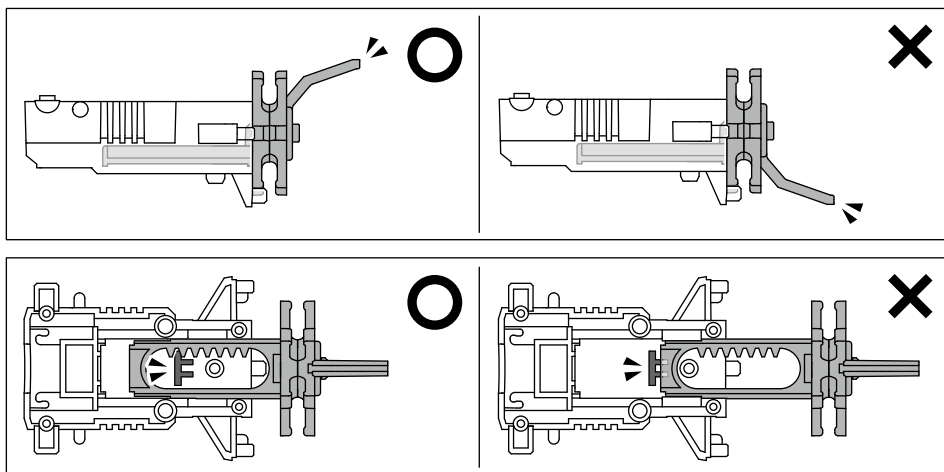
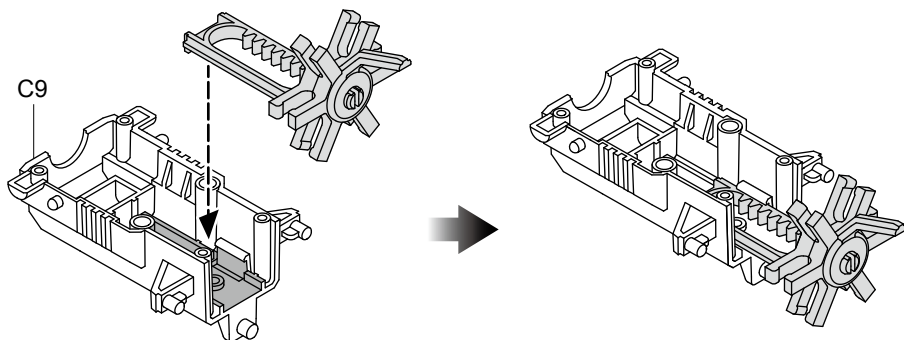


頭部模型組裝 Head Module Assembly

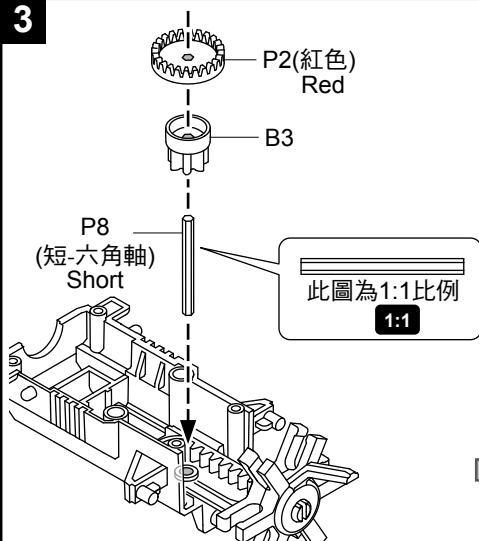
1



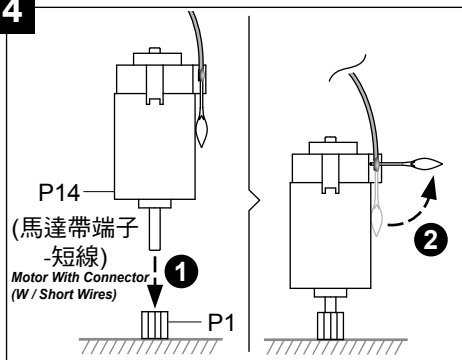
2



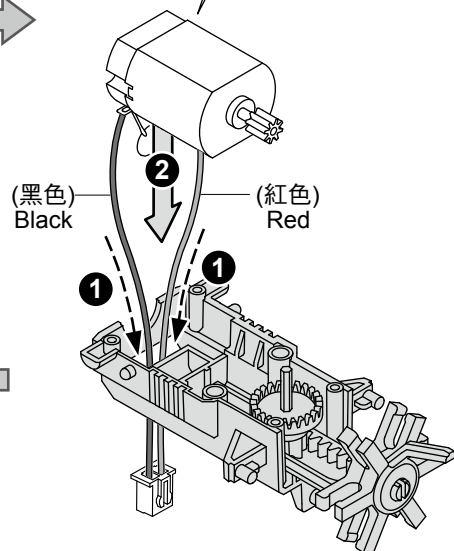
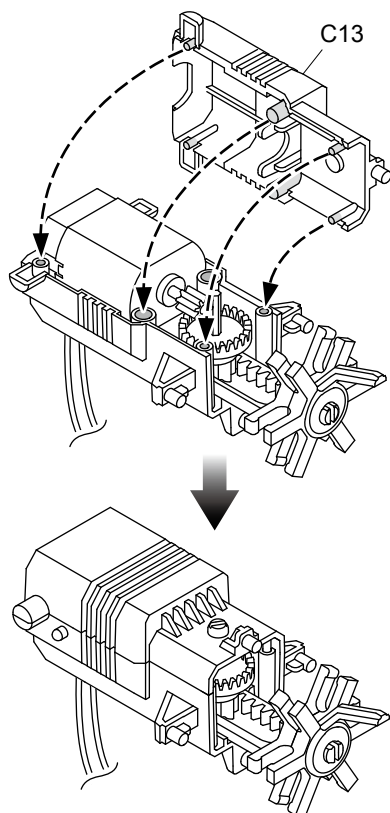
3



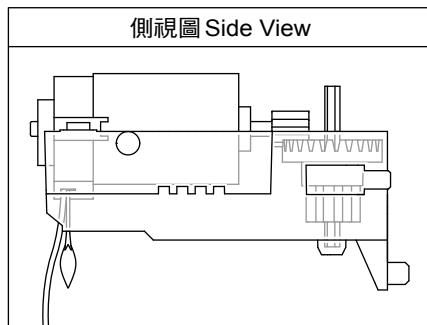
4



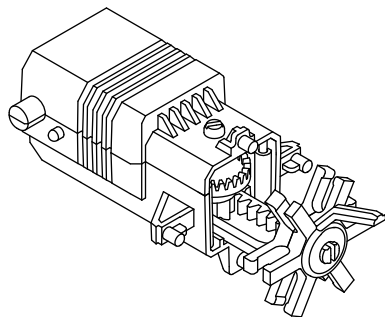
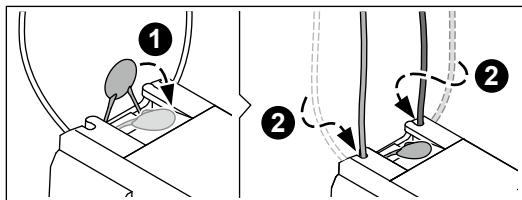
5



側視圖 Side View



6

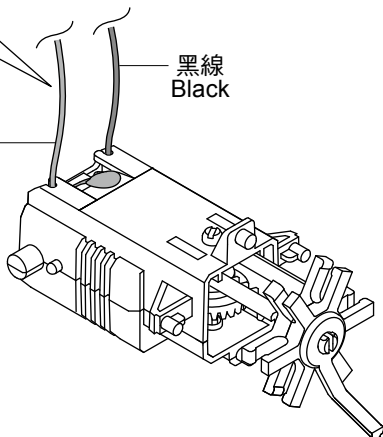


紅線
Red

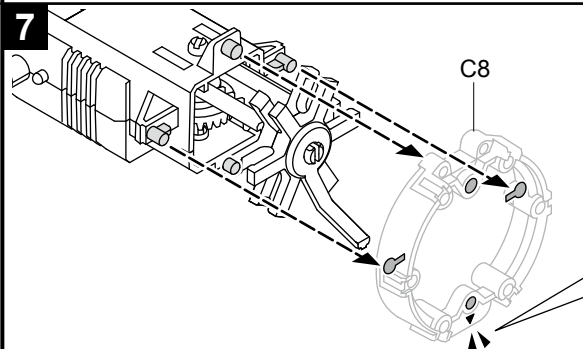
黑線
Black



180°

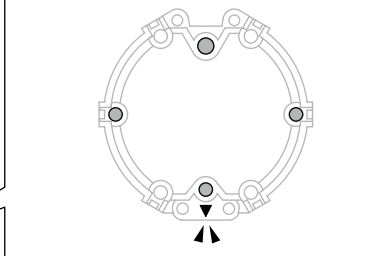


7

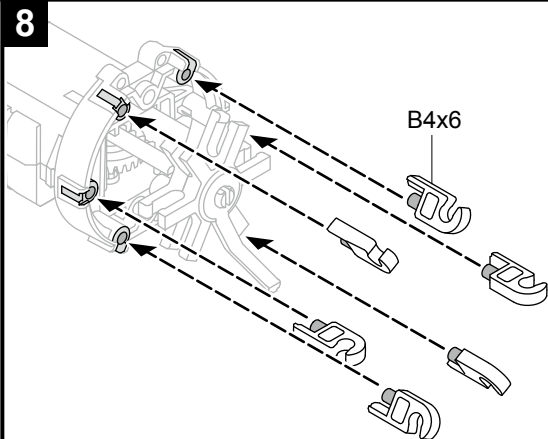


C8

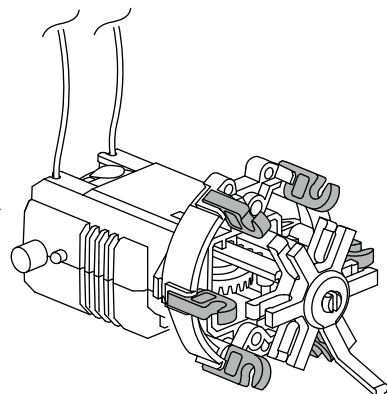
零件組裝後，注意"▼"必須面對您，才是正確方向
Make sure "▼" to be faced up to you, it is to assist you in assembling C8 correctly.



8



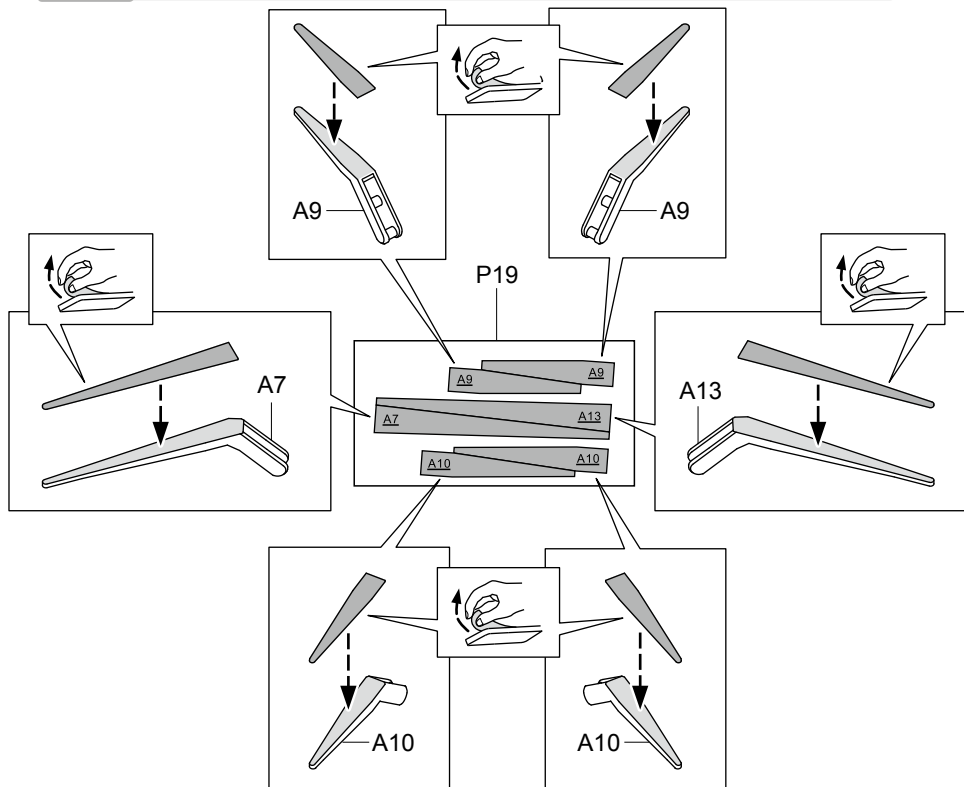
B4x6



9



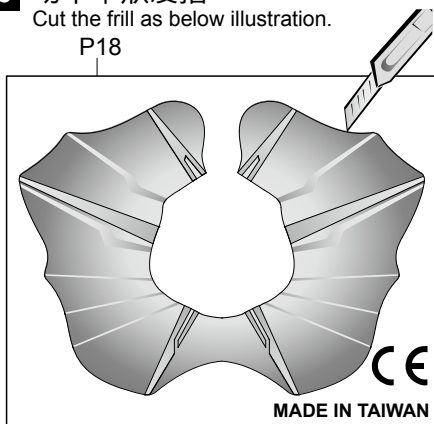
撕去離型紙時，請確認透明雙面膠已黏貼在模型上
Make sure adhesive tapes come with thin glued films while tearing off.



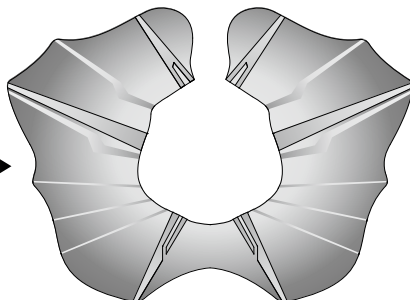
10 切下傘狀皮摺

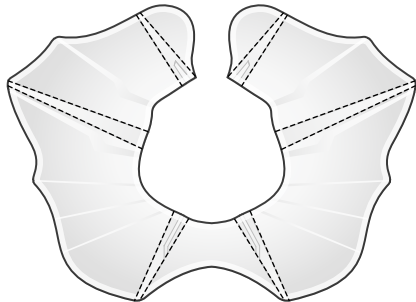
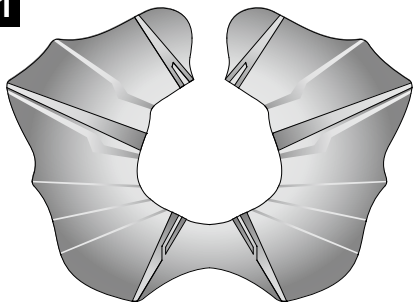
Cut the frill as below illustration.

P18



*另附一片備品
Includes an extra frill

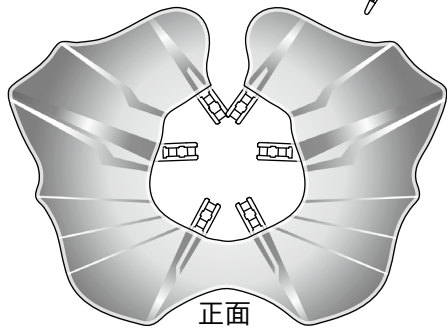
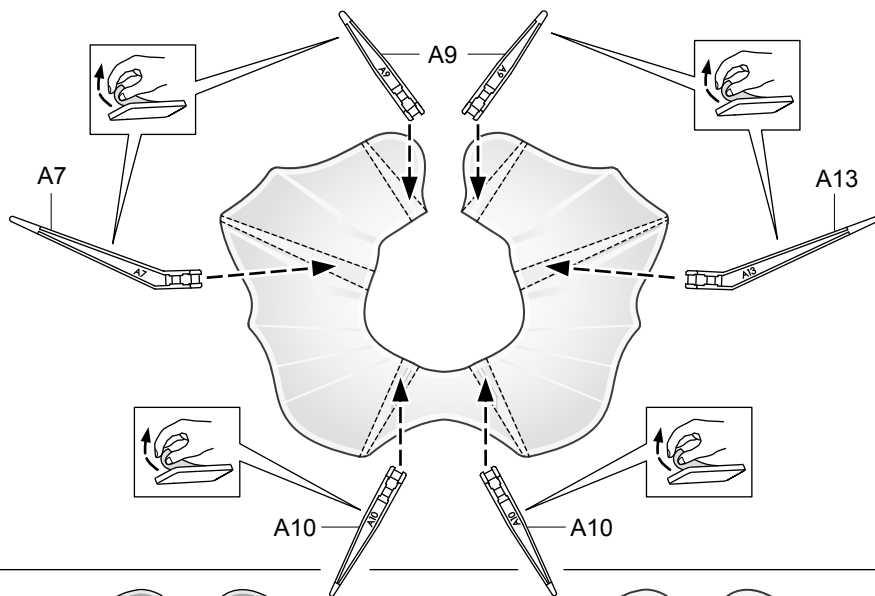




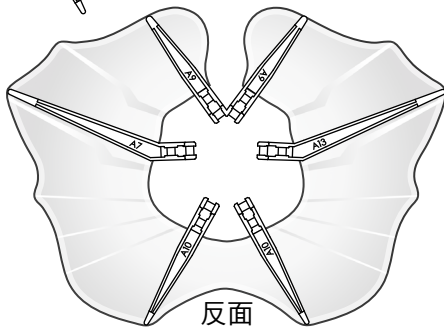
模型黏貼時請勿貼到印刷面
No stickers on the printing side.



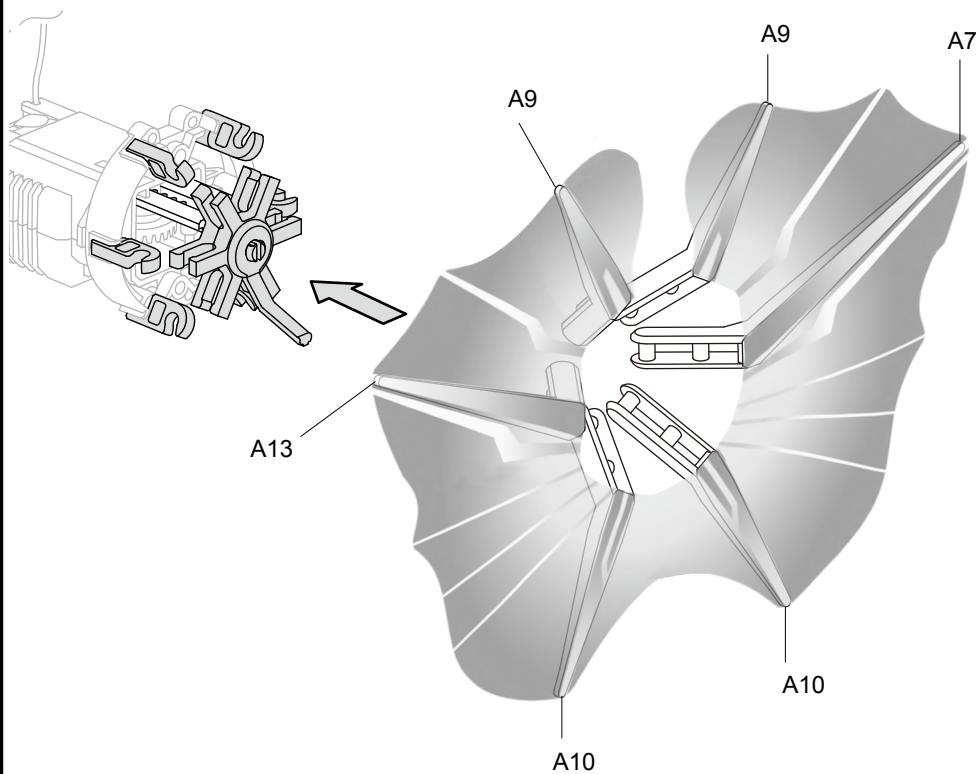
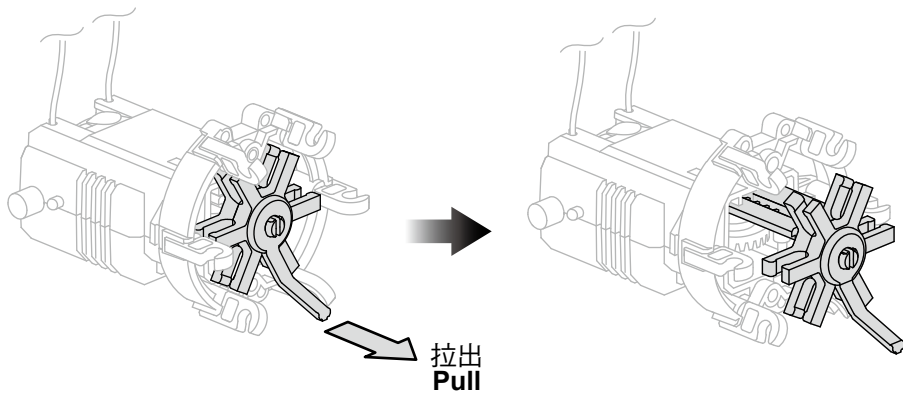
黏貼時反面朝上
The opposite (no printing)
side to be faced up.



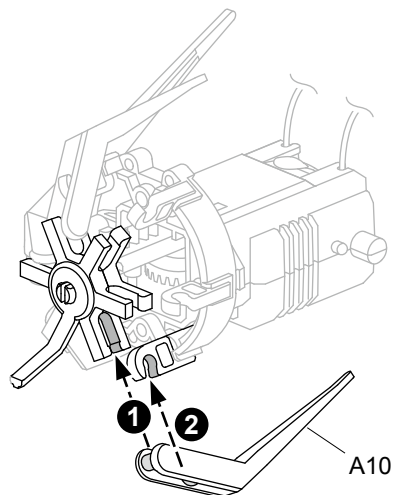
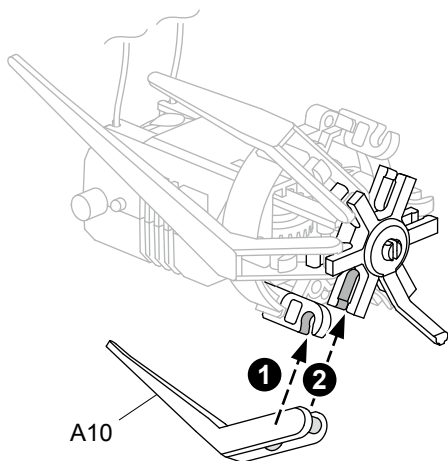
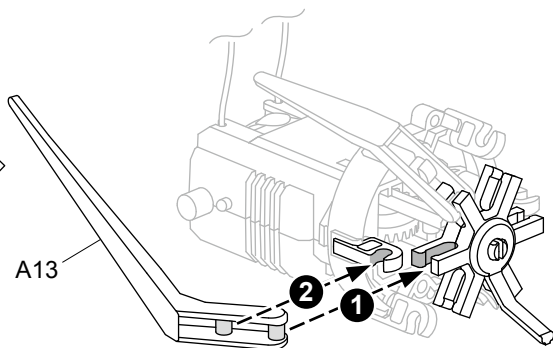
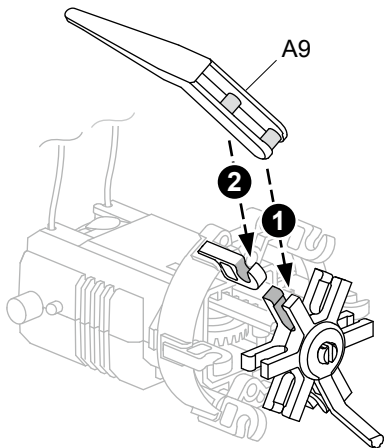
正面
Front

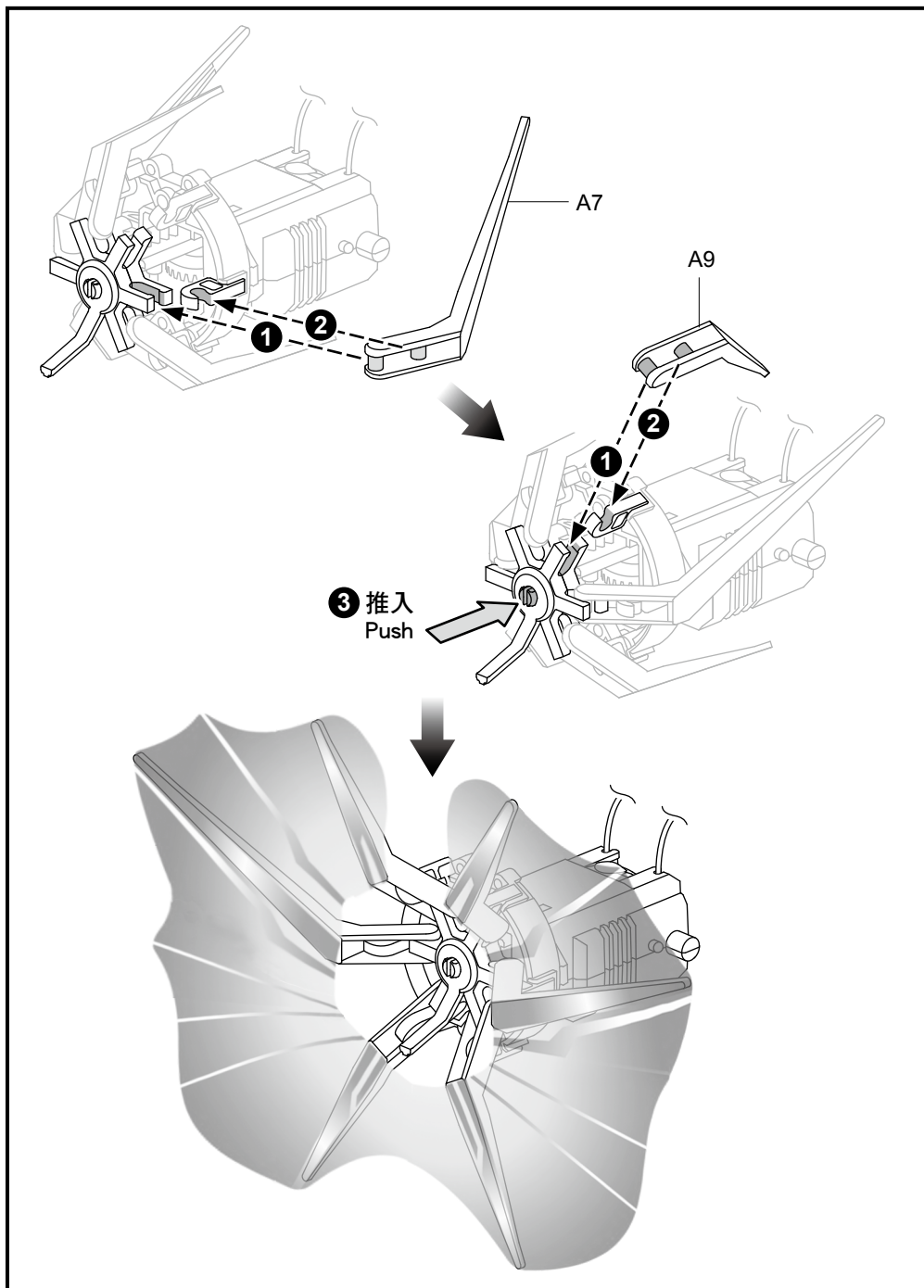


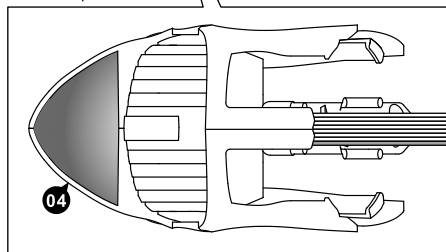
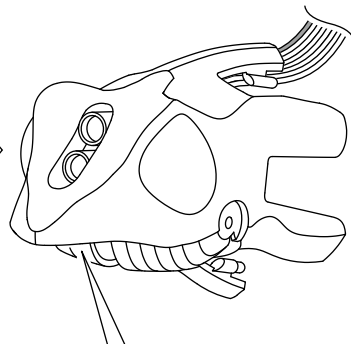
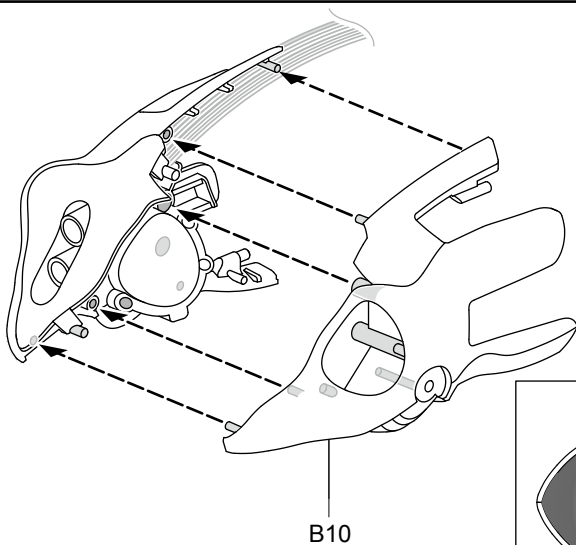
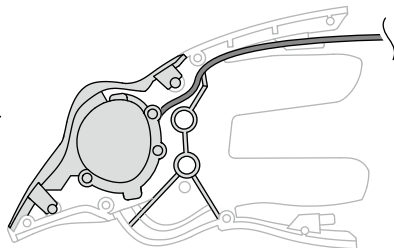
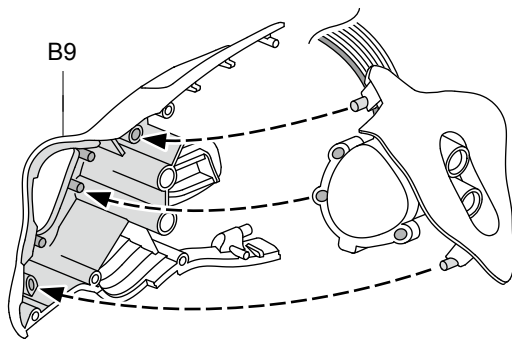
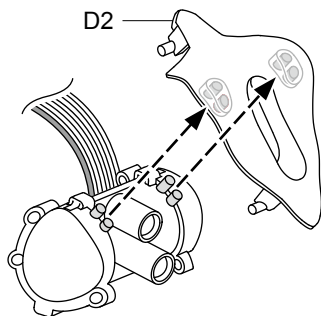
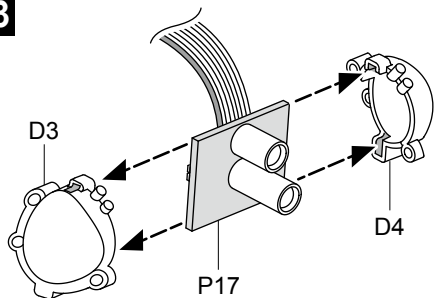
反面
Back



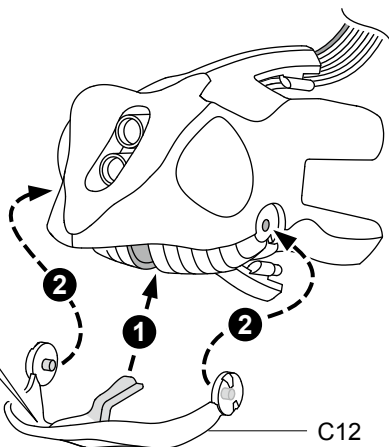
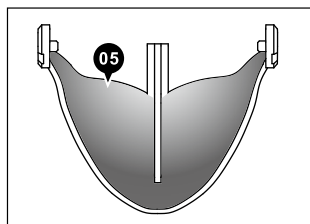
注意：以下圖片將傘狀皮摺省略，以便清楚看到組裝方式
Note: Frill is not pictured below to clearly illustrate assembly.



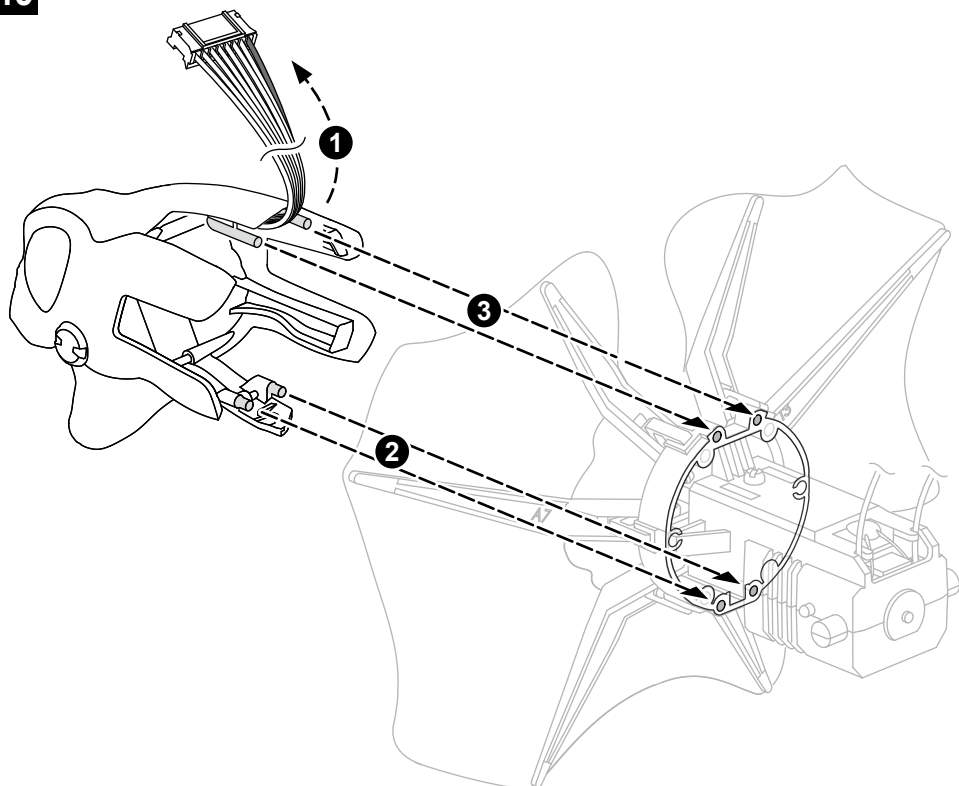


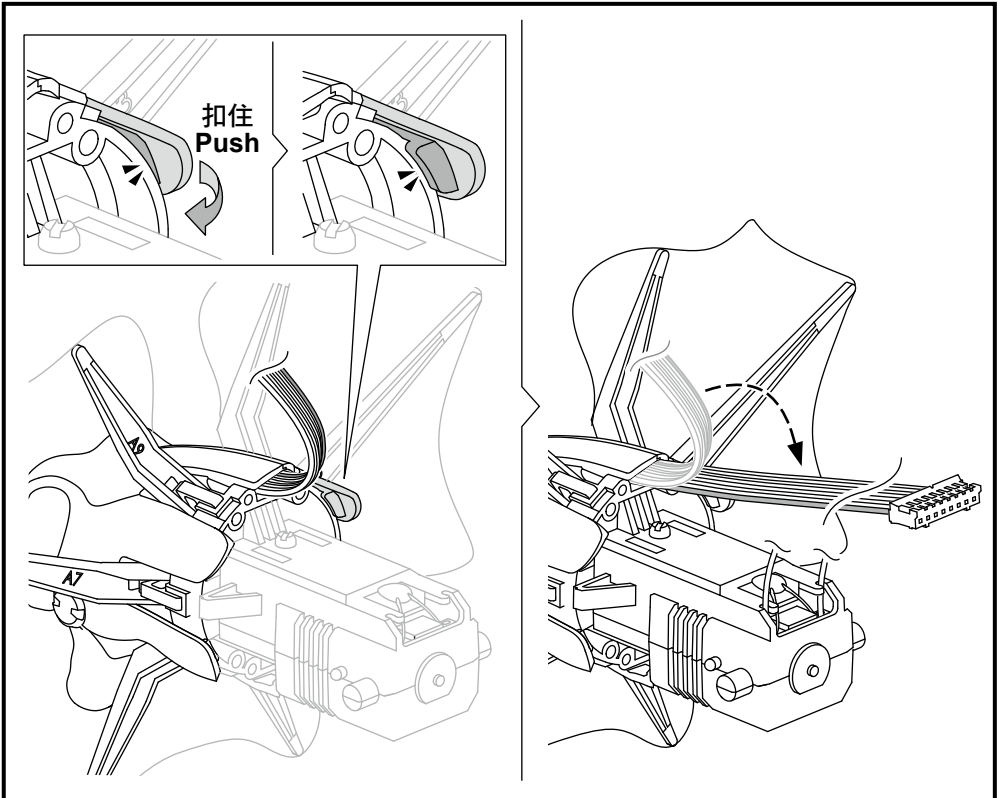


14

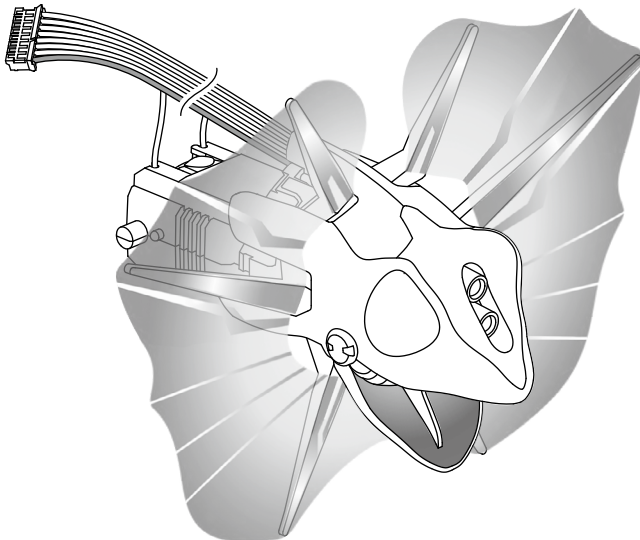


15





16



身體模型組裝 Body Module Assembly

1 請將長六角軸與下圖
比對確認尺寸後再組裝
Assemble before ensuring the hex shaft
length is the same as below size.

附圖為 1:1 比例 1:1

C22

P10(長六角軸
Long)

P5(紫色
Purple)

P3
(黃色 Yellow)

P11

C23

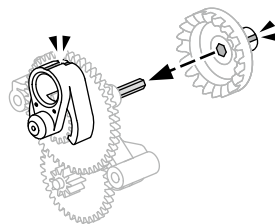
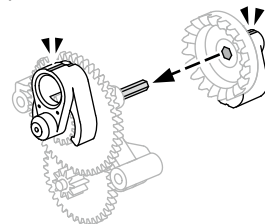
2



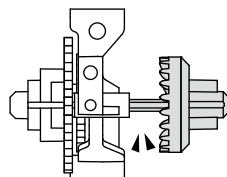
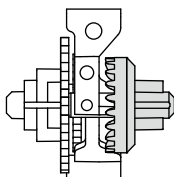
請勿將C3及C4弄錯，請確認使用C4組裝
Do not mix up C4 & C3, make sure
to use C4 for assembly.

C4

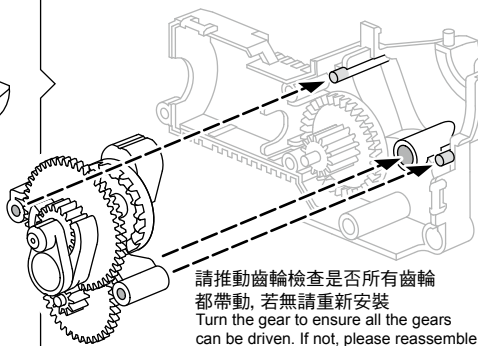
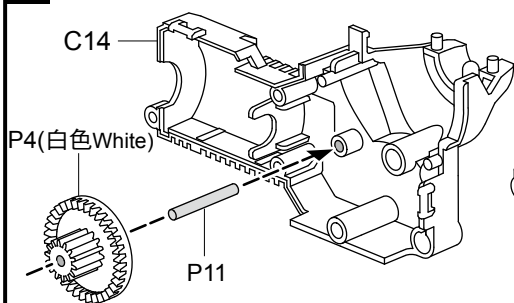
凹槽對齊同方向
Make sure the groove
is facing the right
position



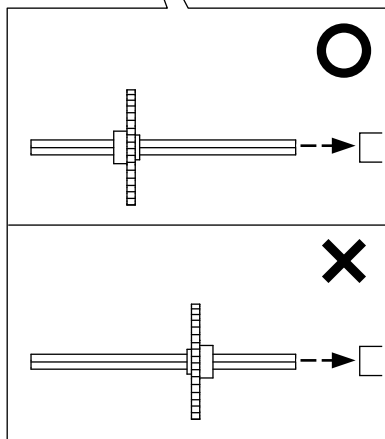
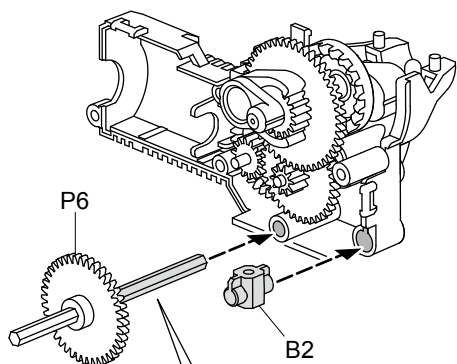
請特別注意!
Very important!



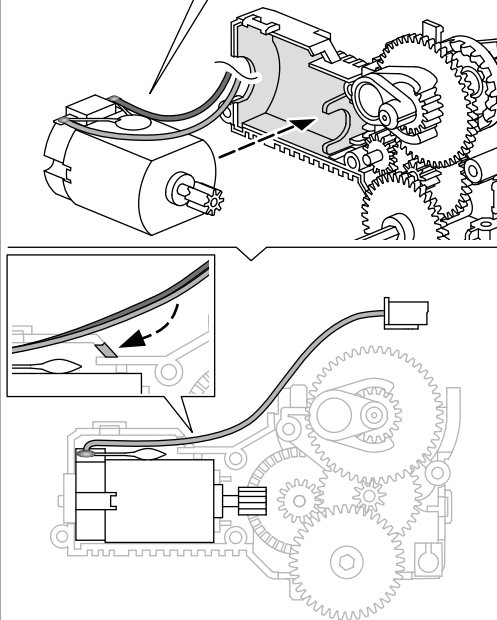
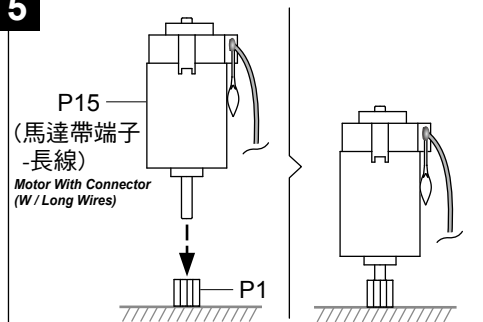
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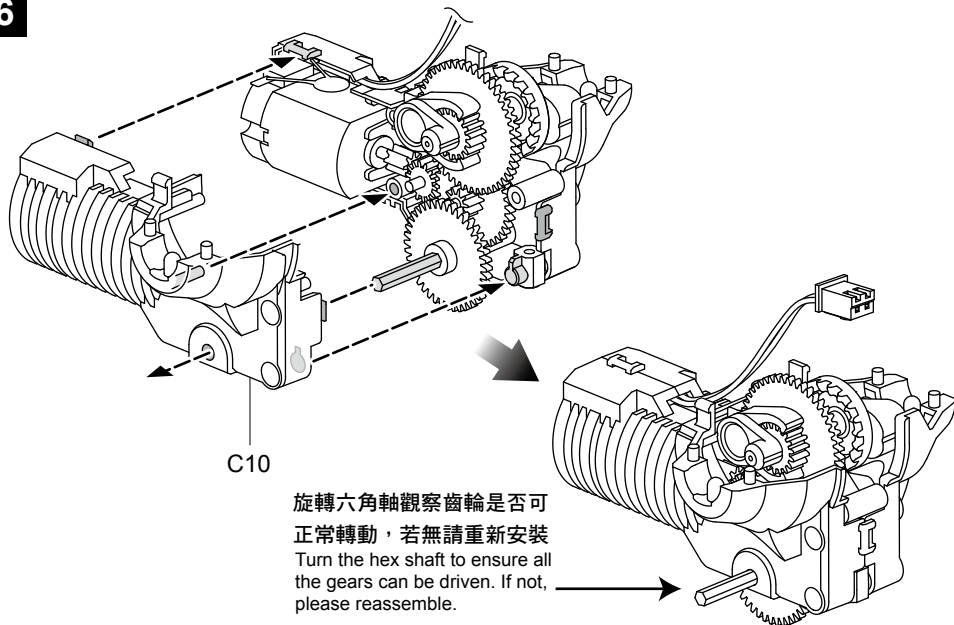
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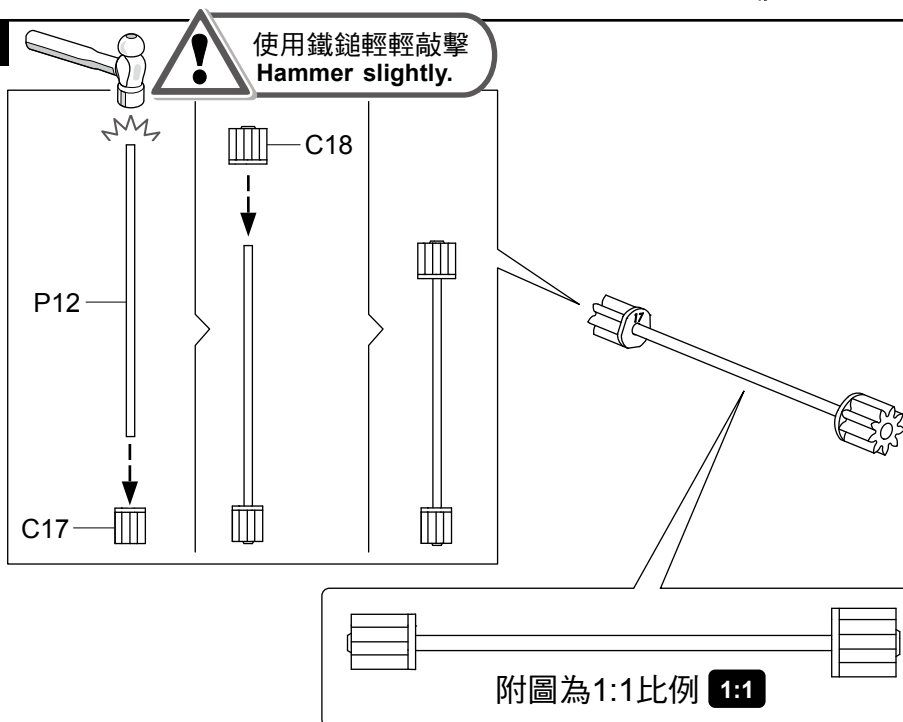
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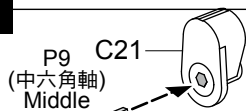
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7

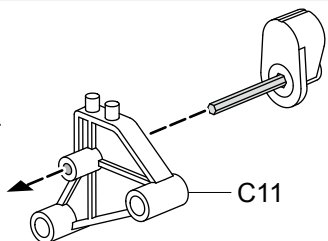


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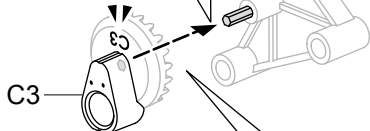
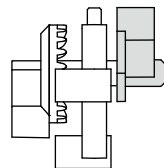


請將中六角軸與下圖比對確認尺寸後再組裝
Assemble before ensuring the hex shaft length
is the same as below size.

附圖為 1:1 比例

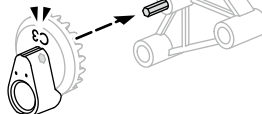
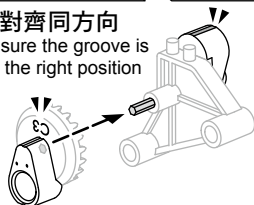


重要!
Important!

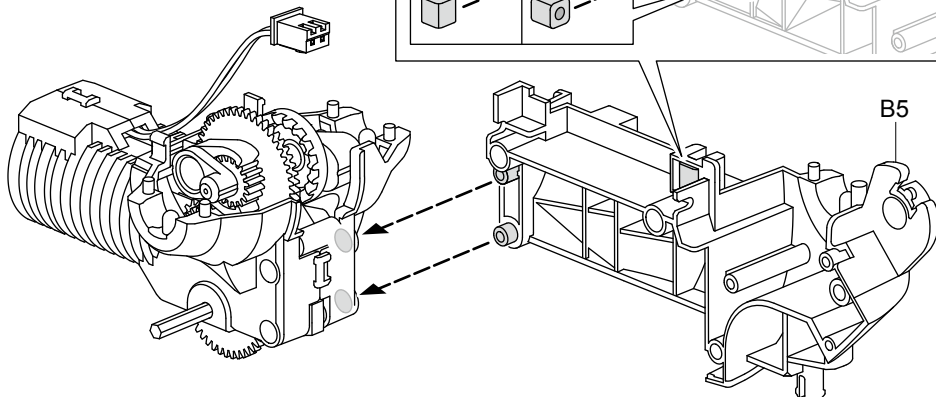
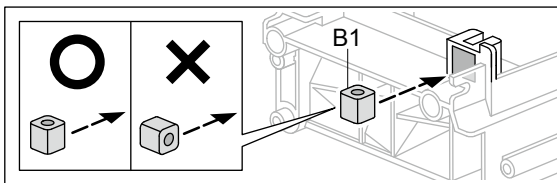


凹槽對齊同方向

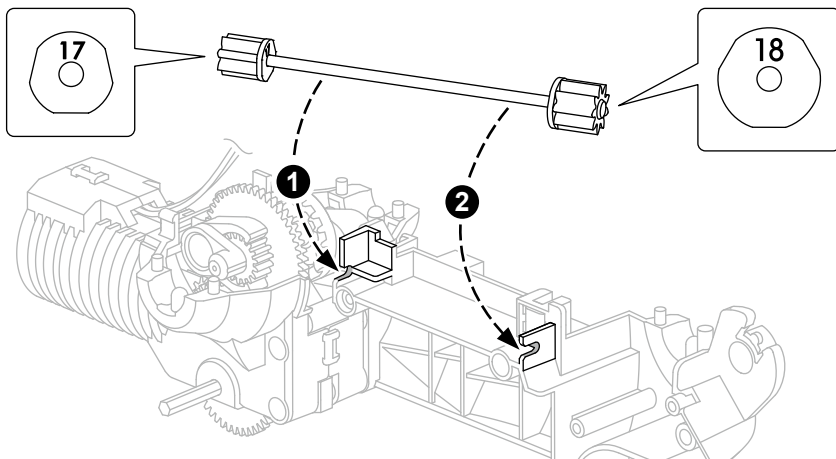
Make sure the groove is
facing the right position



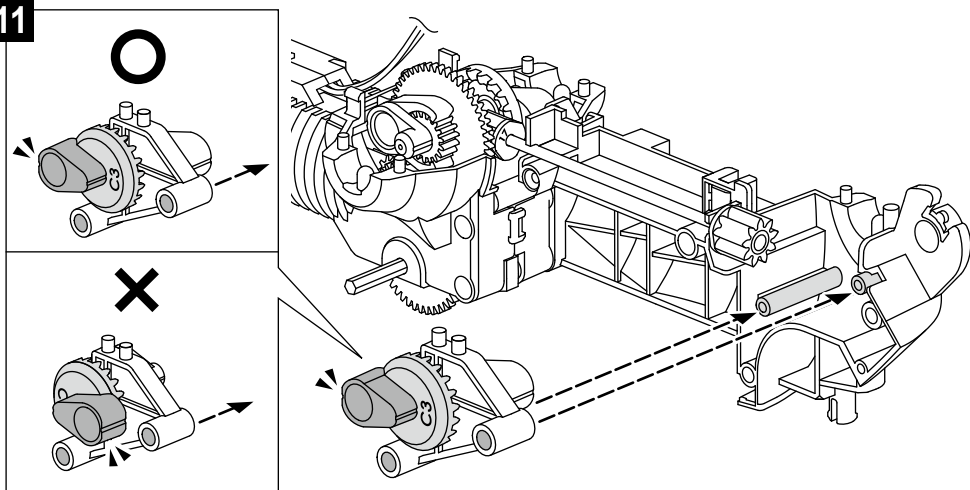
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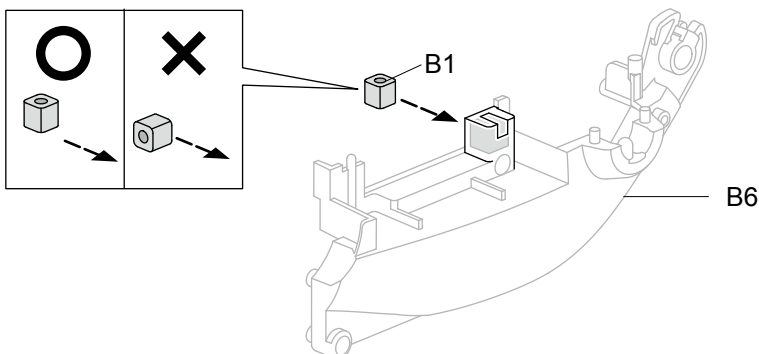
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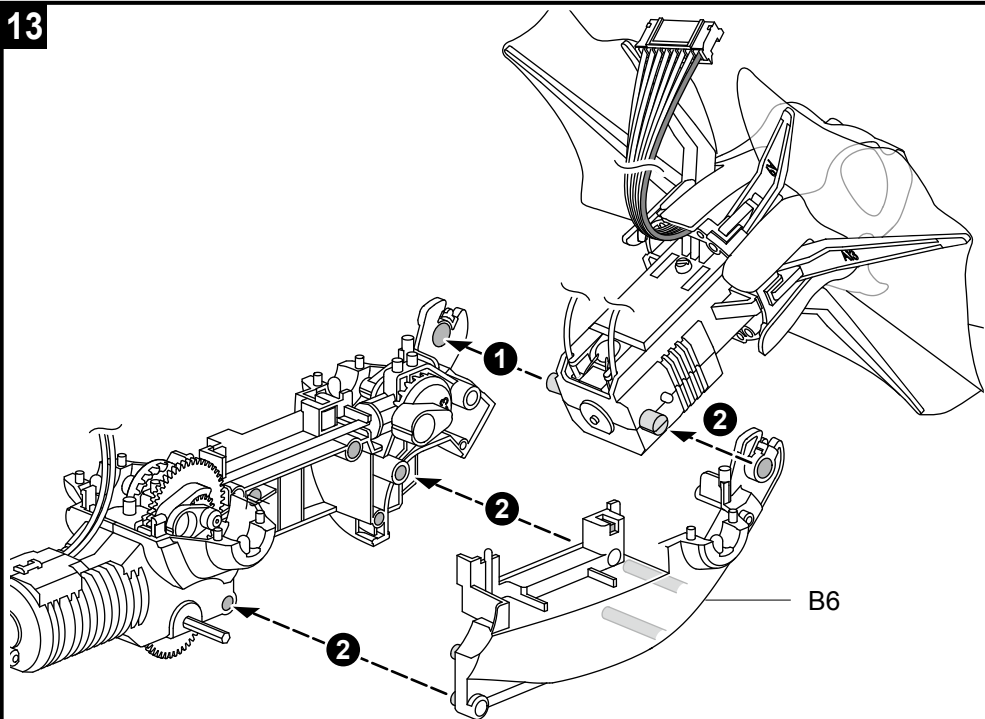
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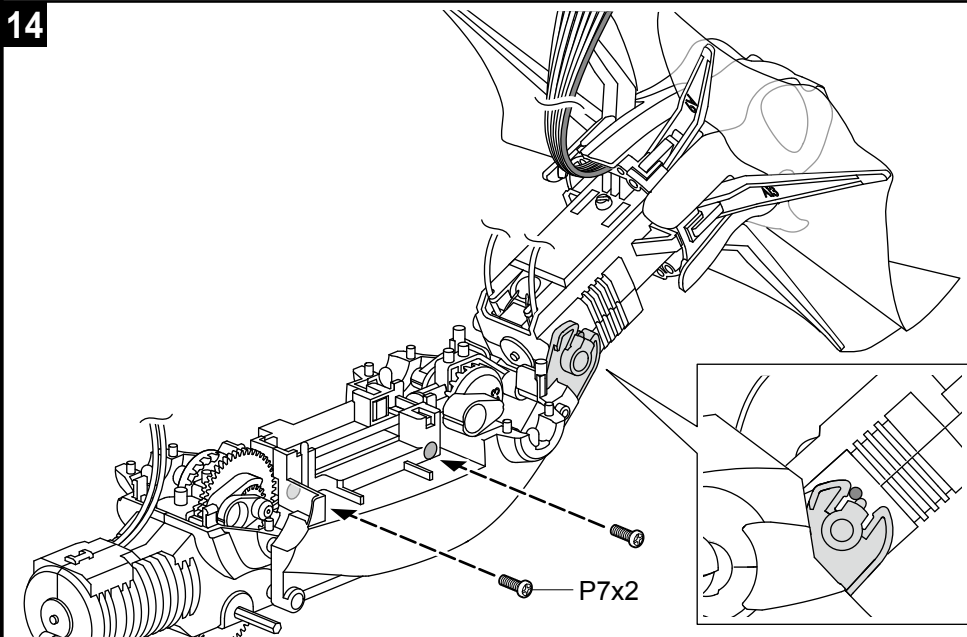
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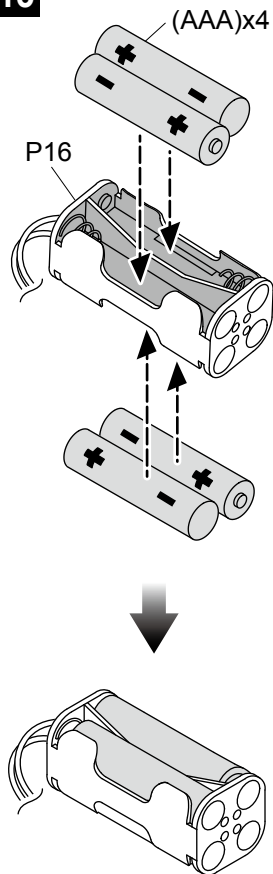
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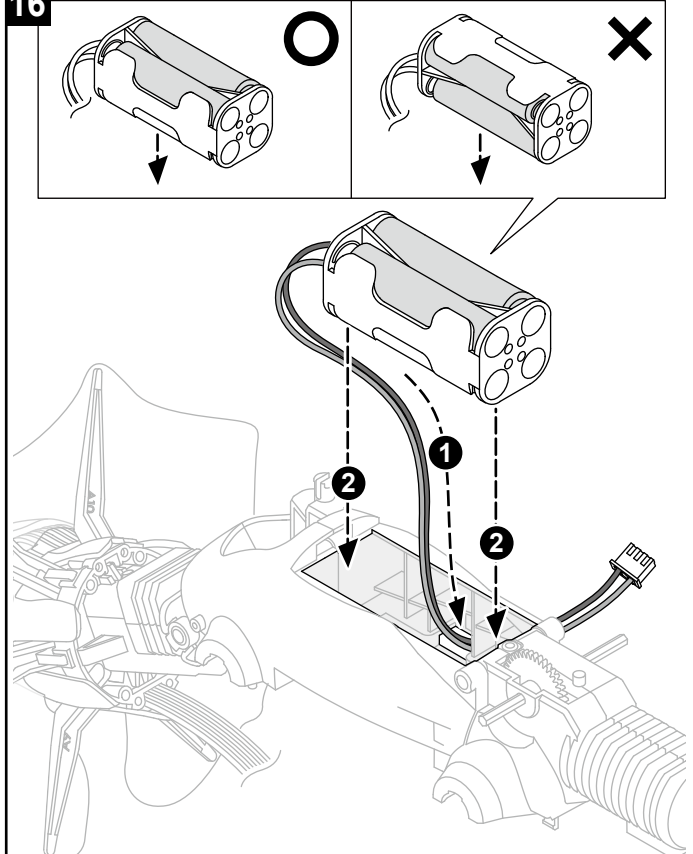
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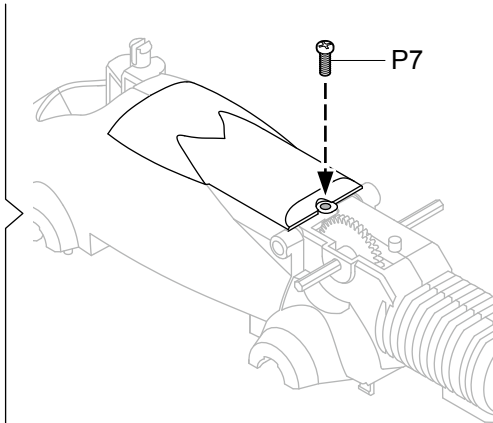
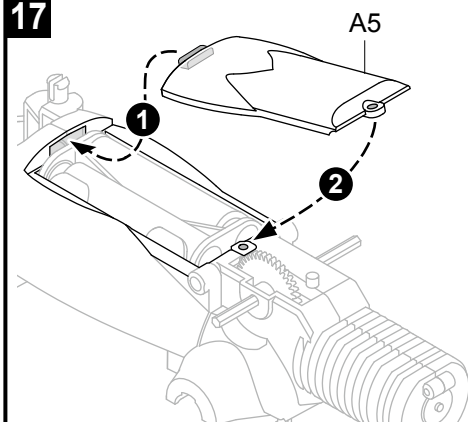
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16

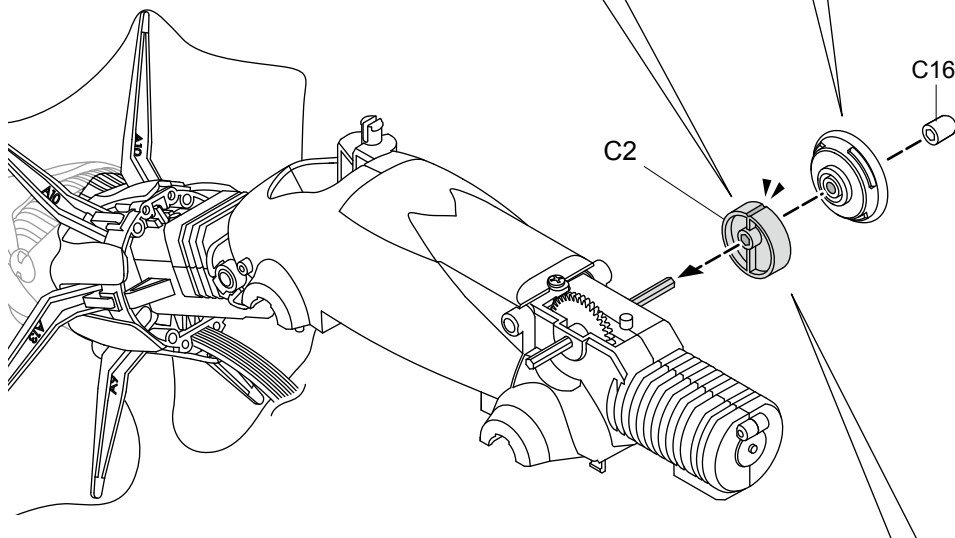
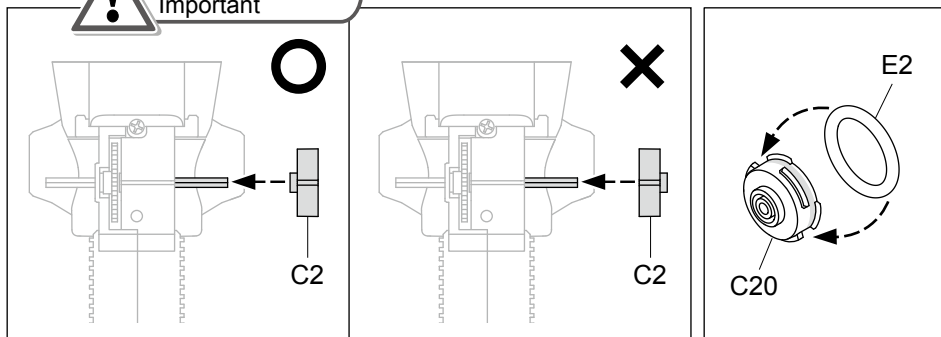


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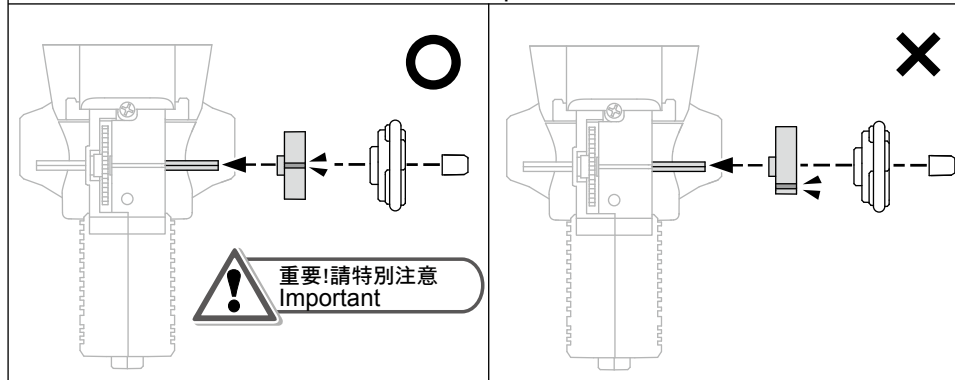


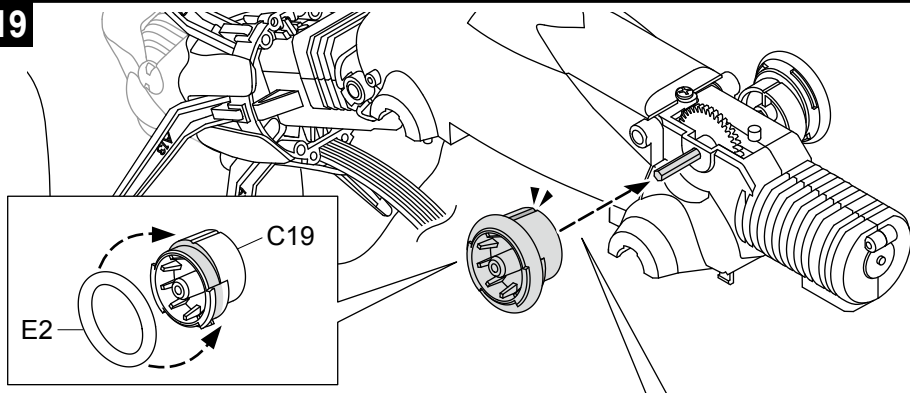


重要!請特別注意
Important

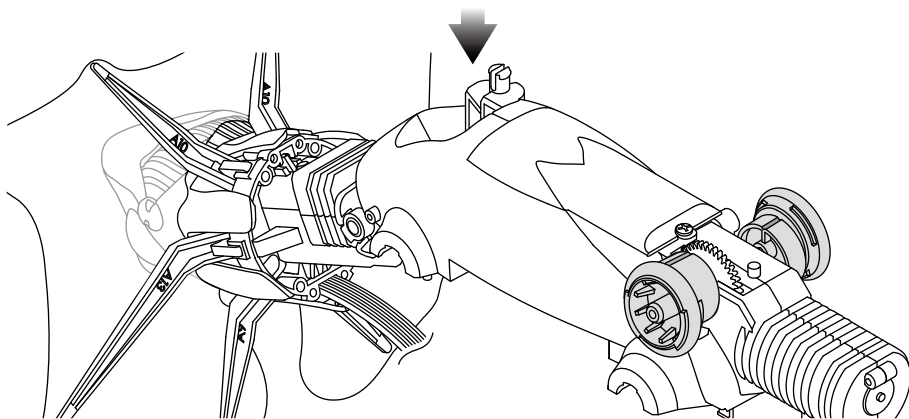
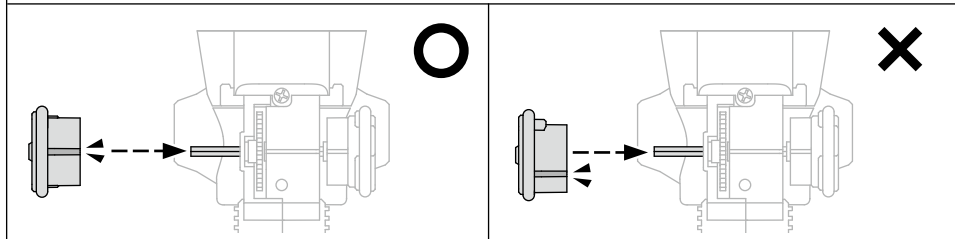


上視圖 Top View



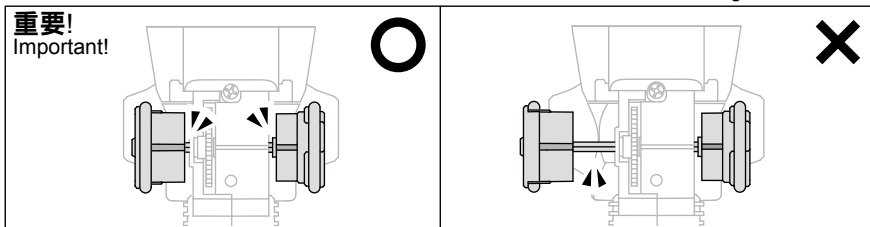


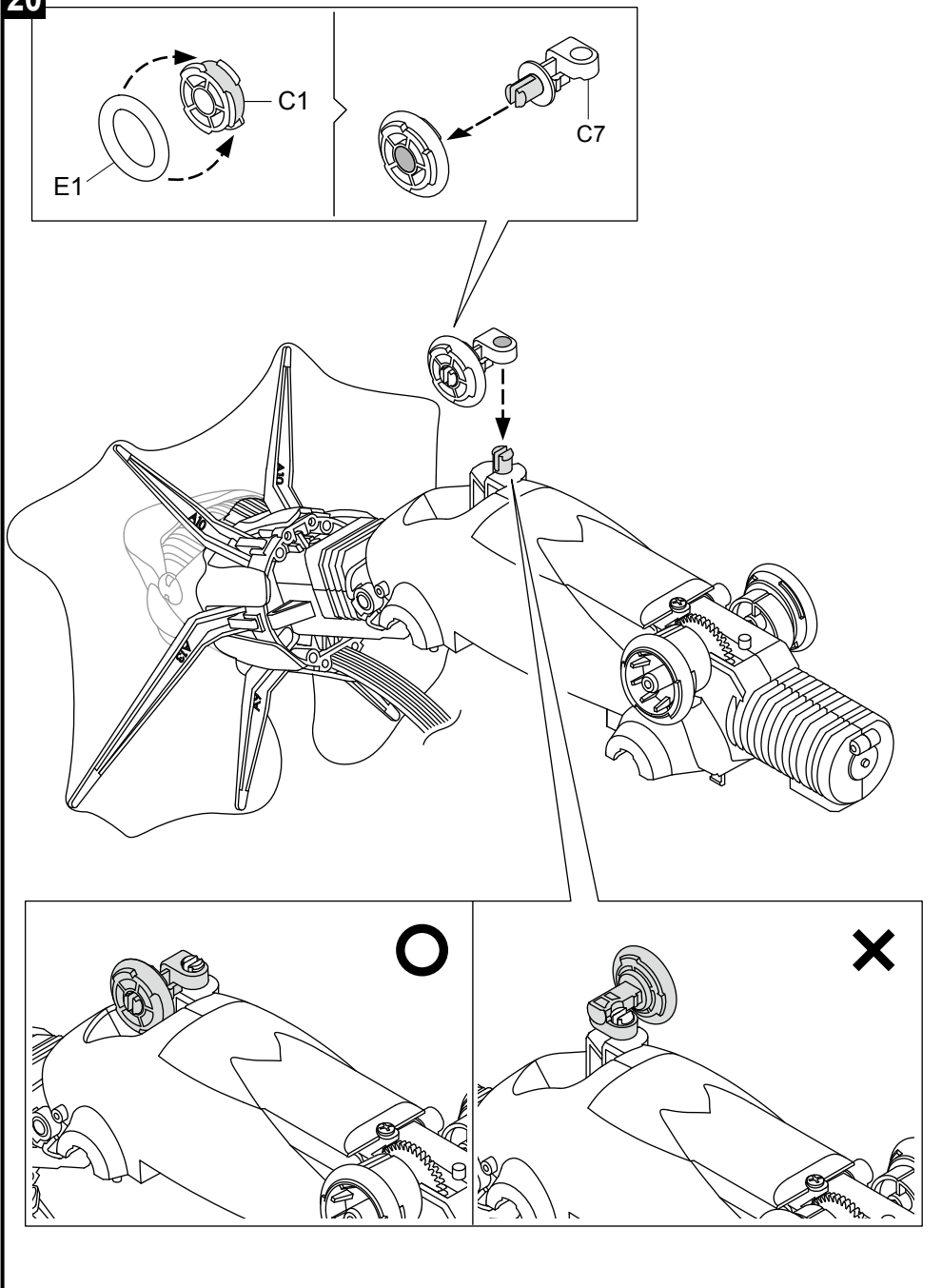
上視圖 Top View

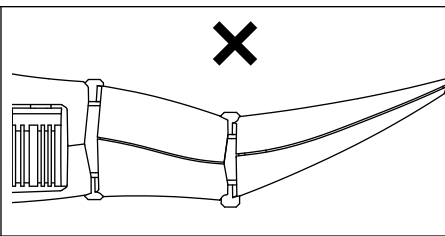
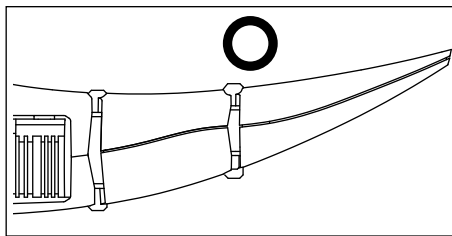
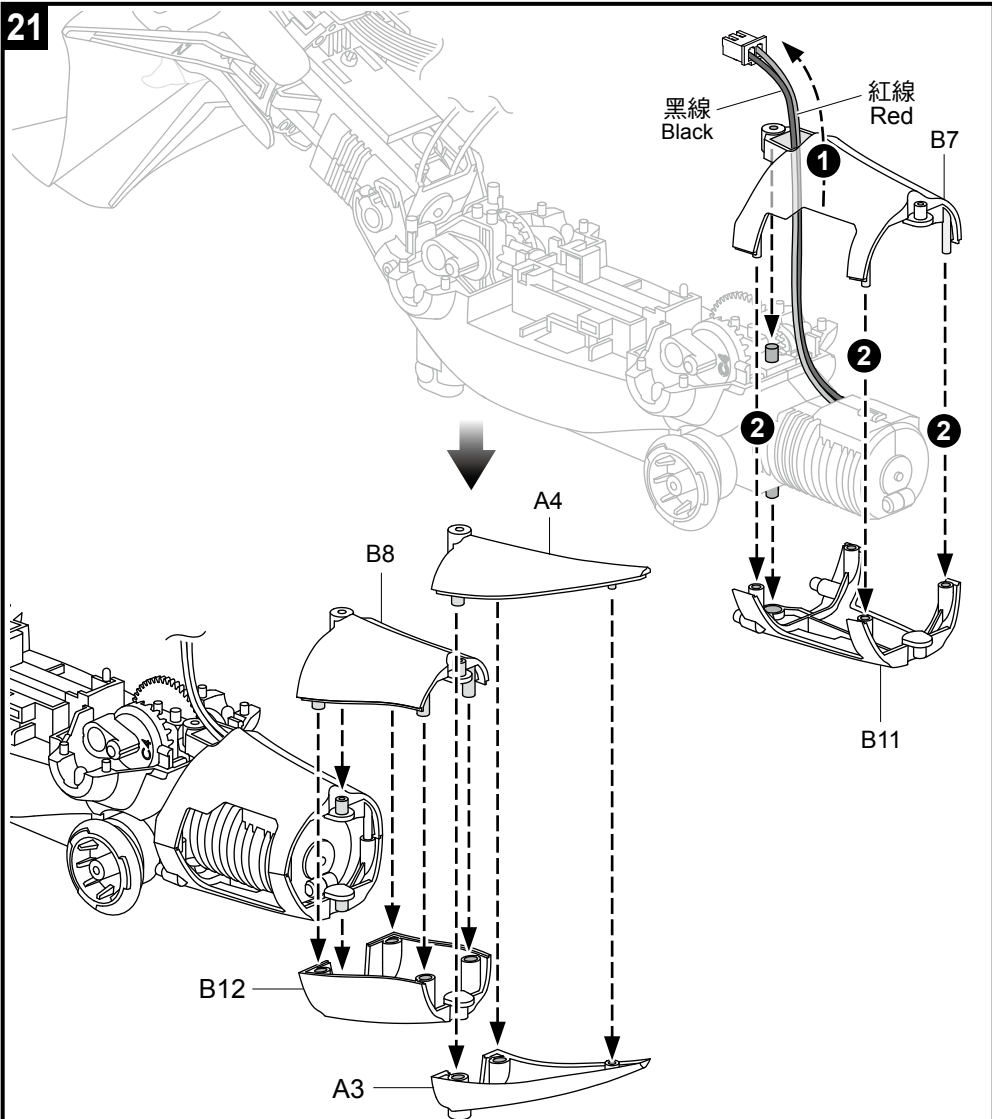


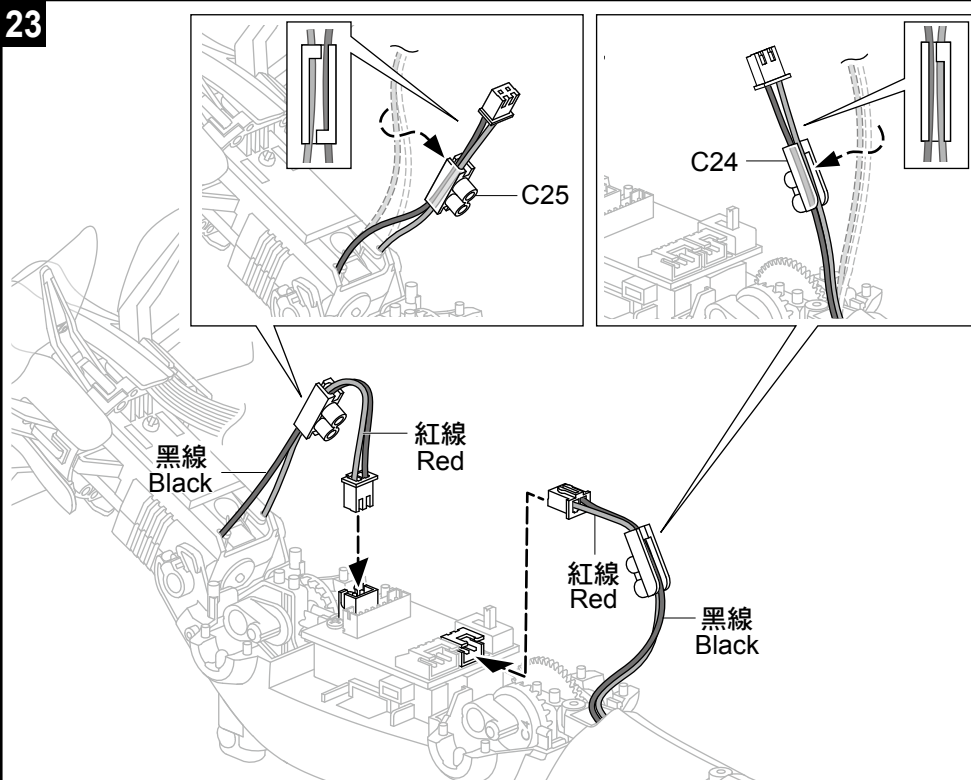
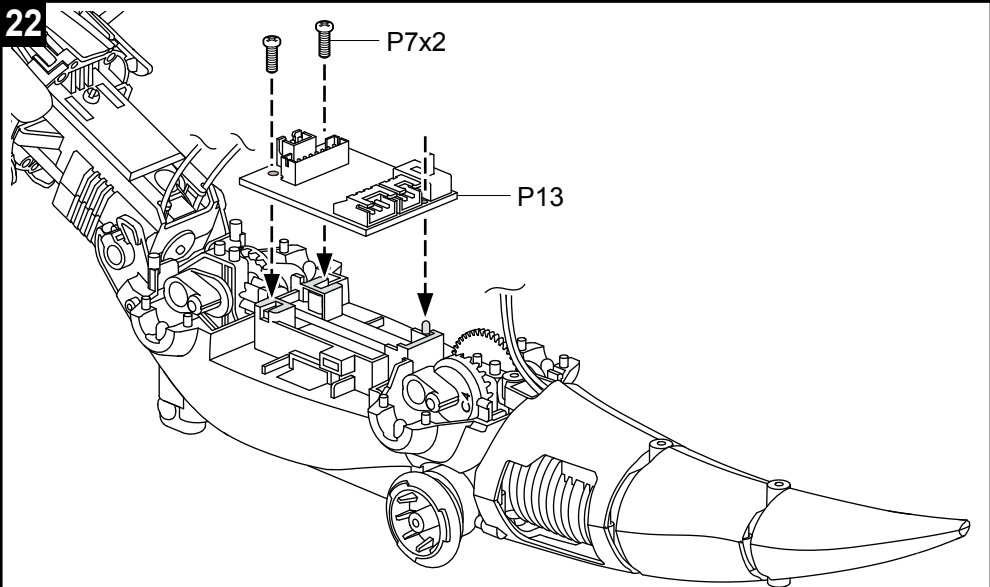
注意: 輪子不可裝得太鬆或太緊 Note: Make sure that the wheels are not too tight or too loose.

重要!
Important!

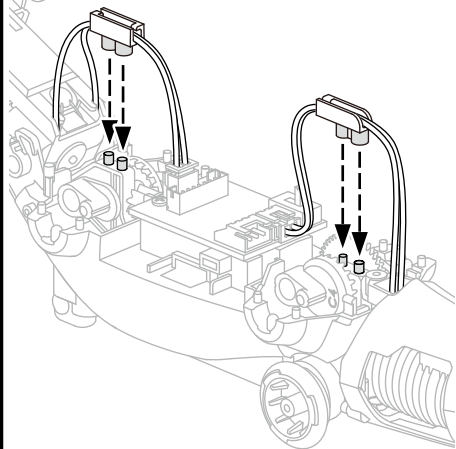




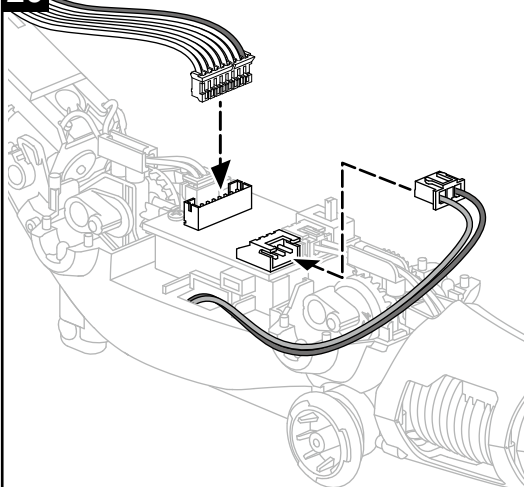




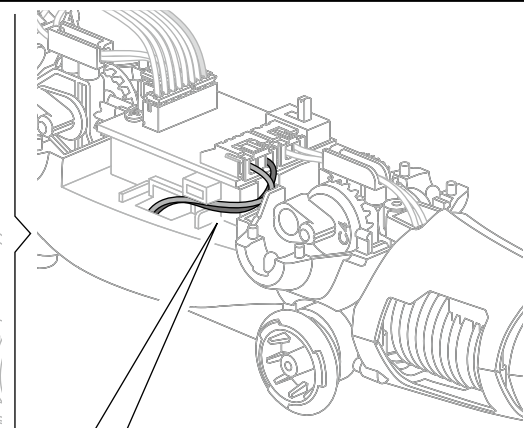
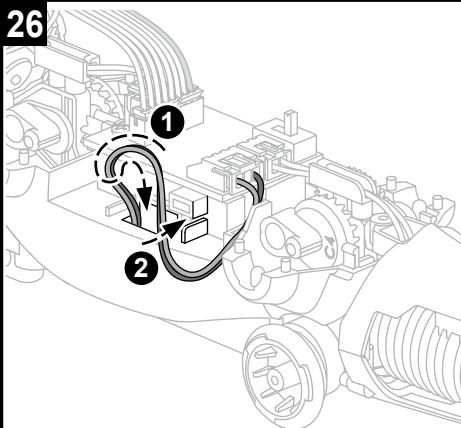
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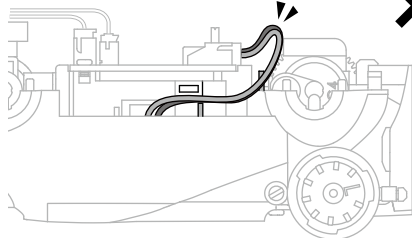
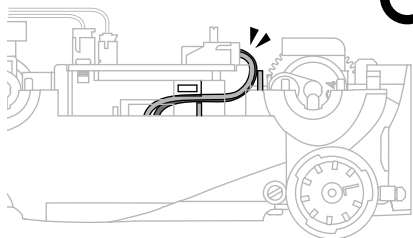
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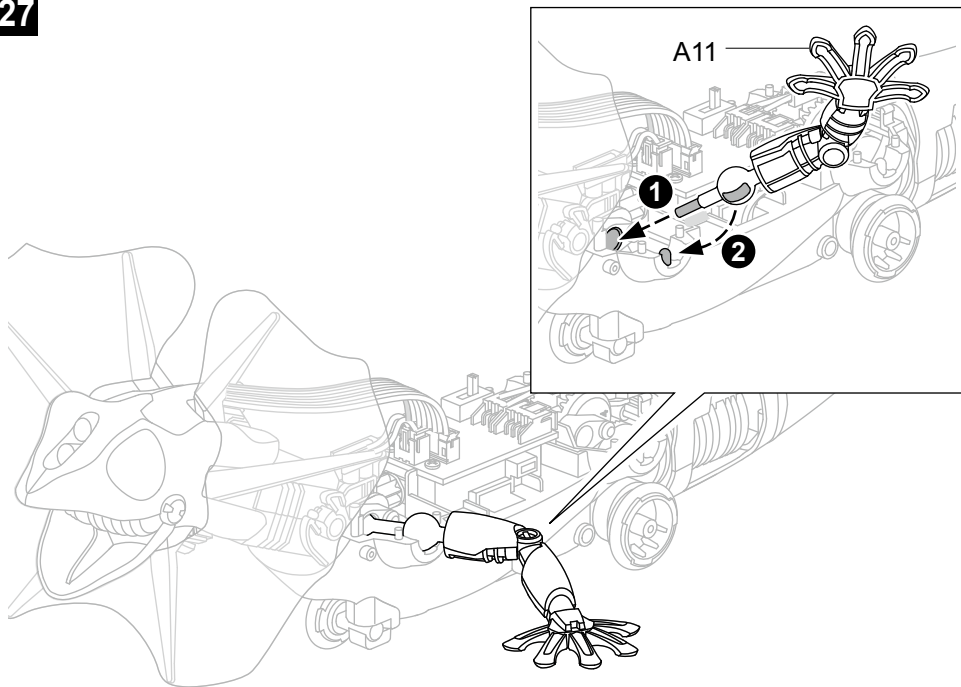
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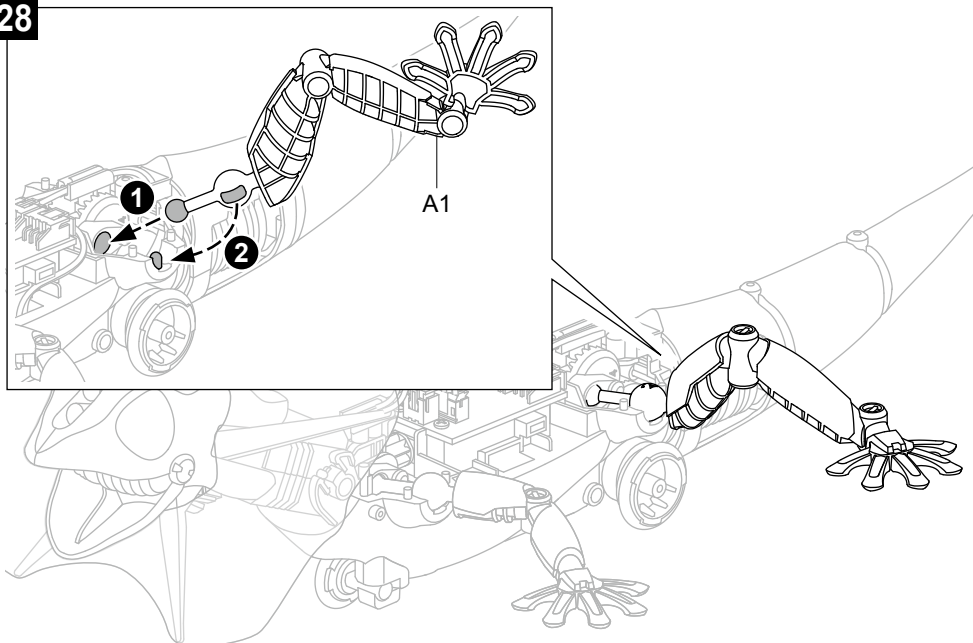
側視圖 Side View



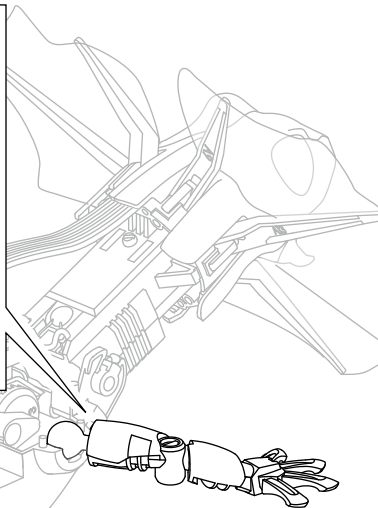
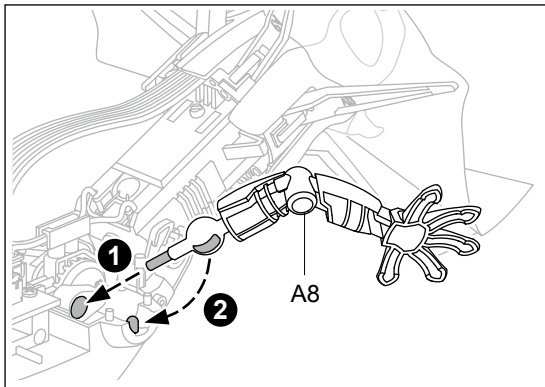
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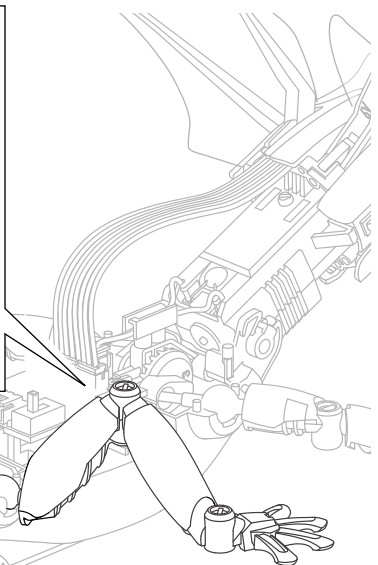
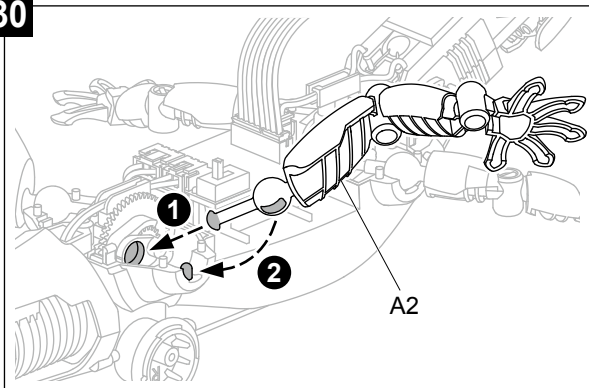
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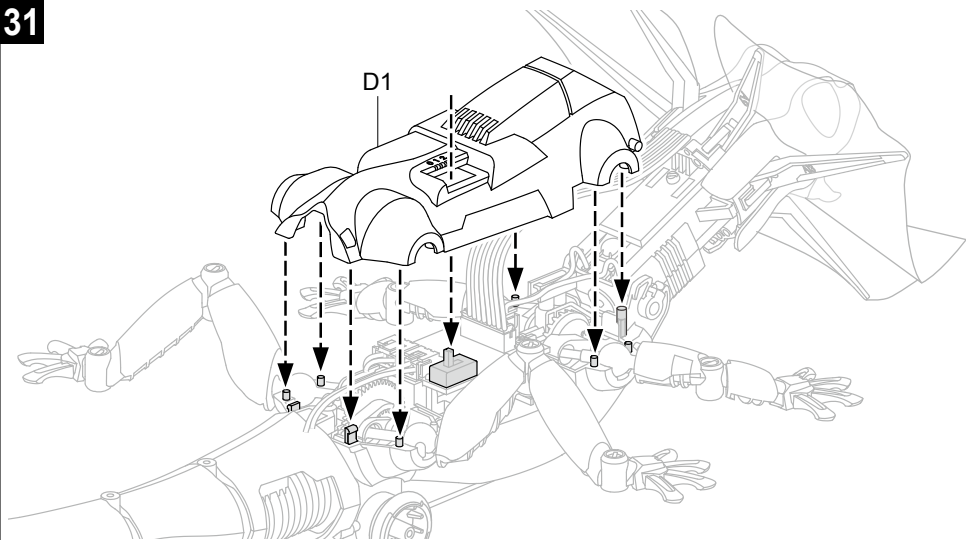
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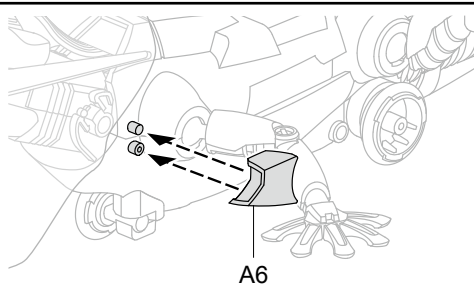
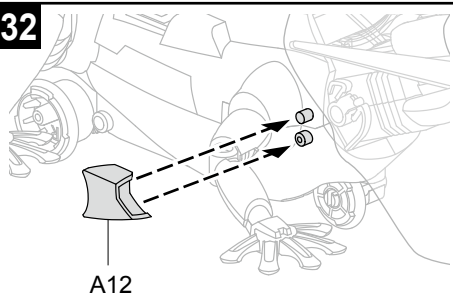
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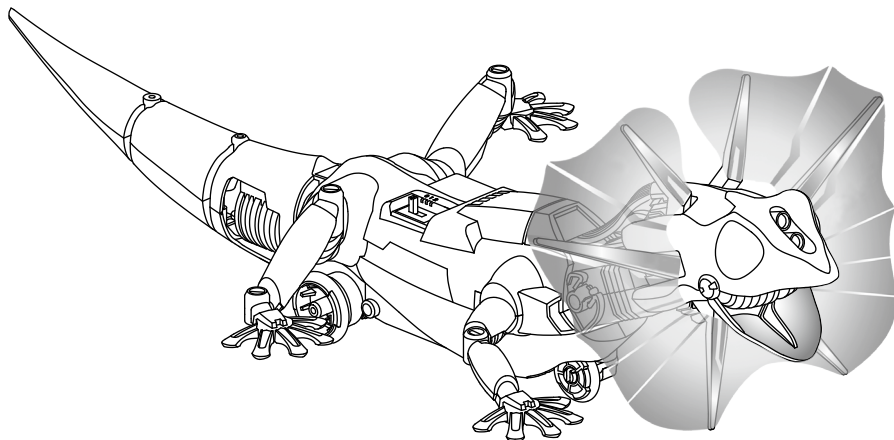
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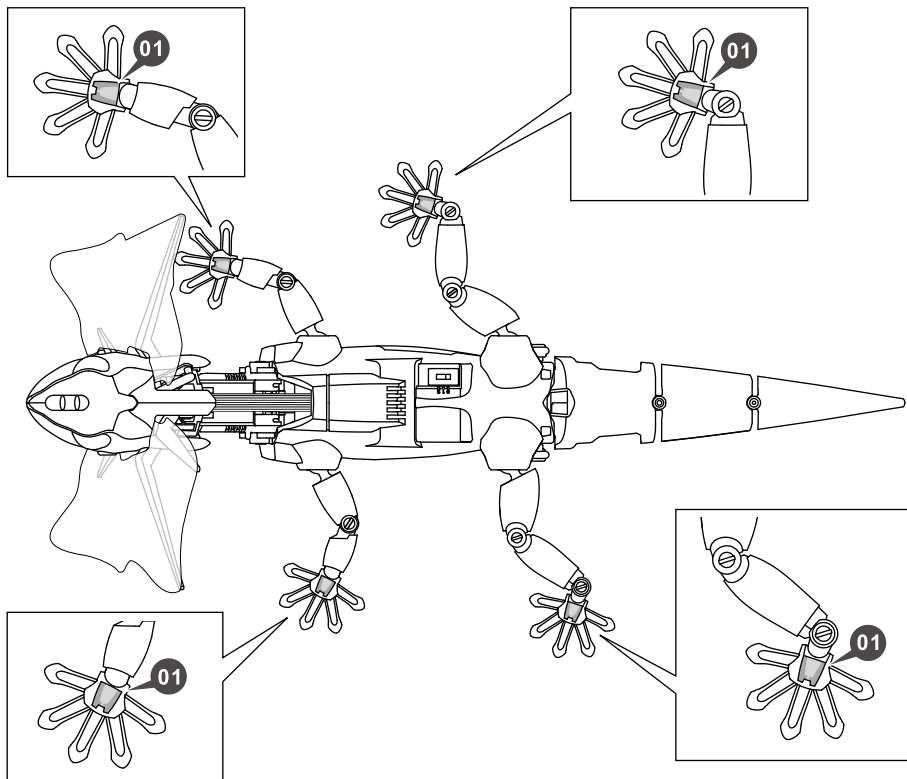
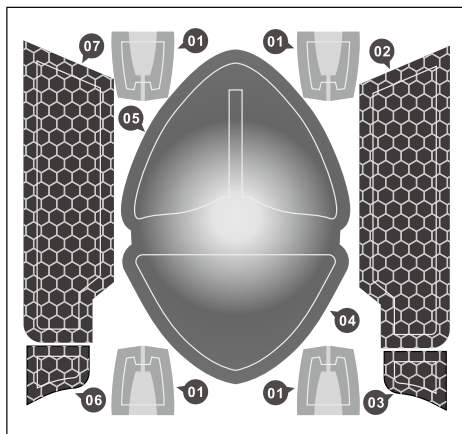
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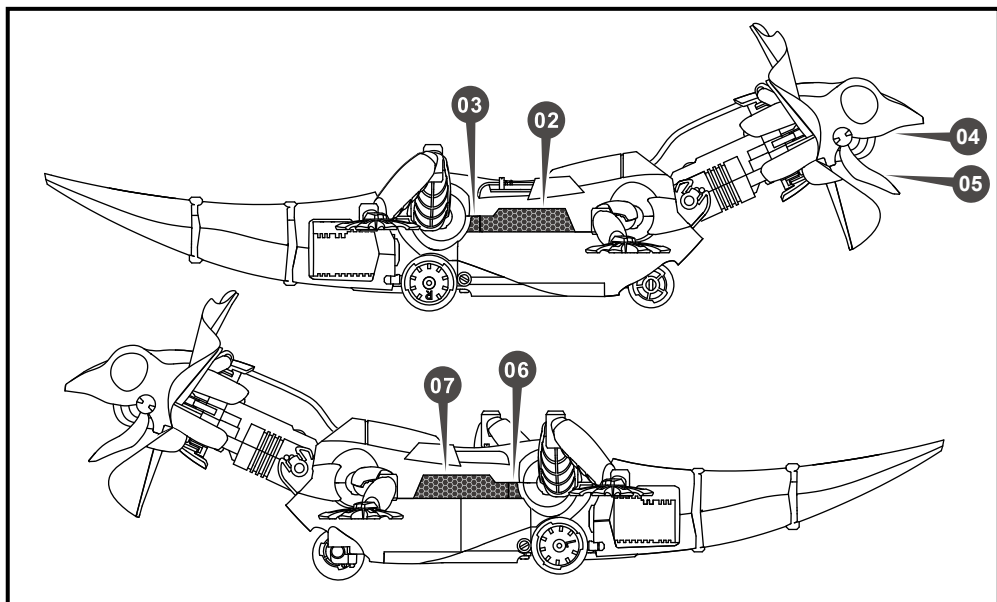


33 恭喜您! 大功告成了 Finished



貼紙 Stickers



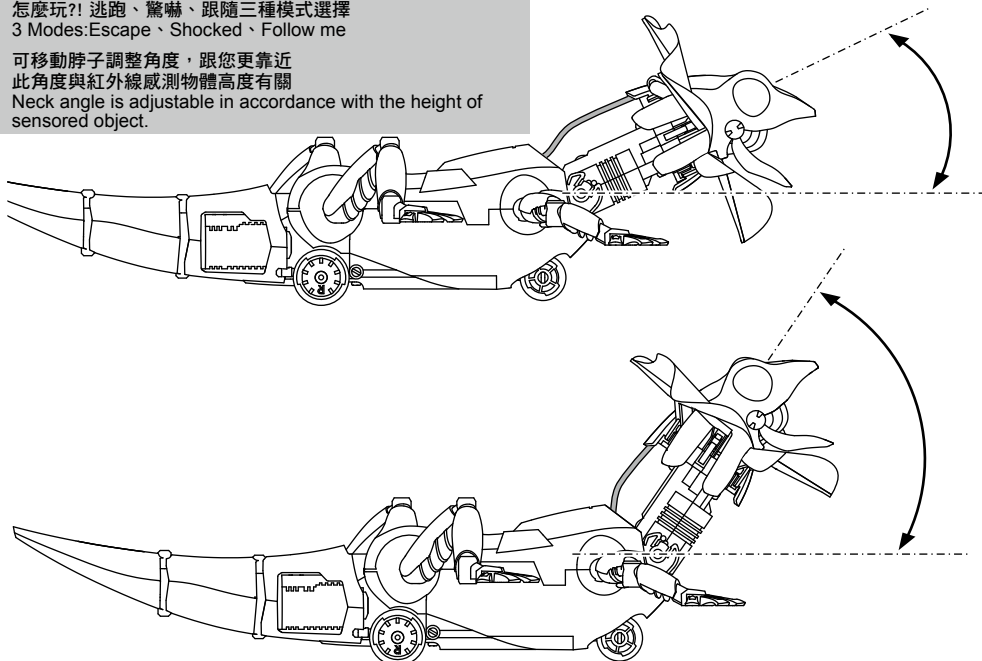


玩耍方式 How To Play

怎么玩?! 逃跑、驚嚇、跟隨三種模式選擇
3 Modes: Escape、Shocked、Follow me

可移動脖子調整角度，跟您更靠近
此角度與紅外線感測物體高度有關

Neck angle is adjustable in accordance with the height of sensed object.

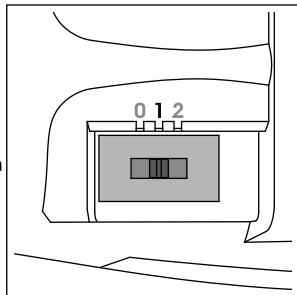


逃跑模式

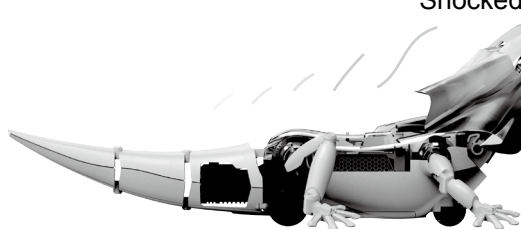
Escape mode

開關撥到1號位置

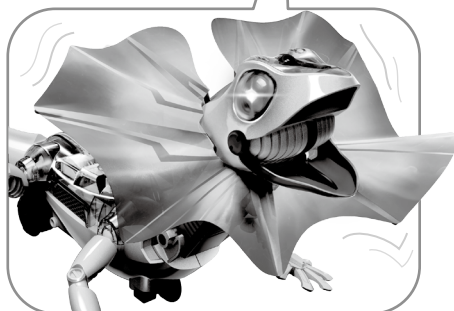
Switch to No. 1 position



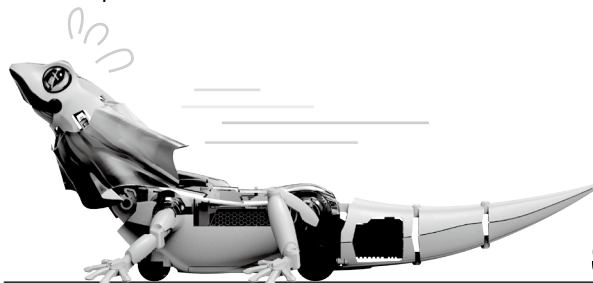
威測 !!
Shocked



張開傘狀皮摺示威，
驚嚇指數破表！
Bluffing



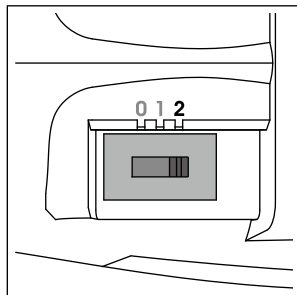
快閃~
Escape



跟隨模式

Follow-me mode

開關撥到2號位置
Switch to No. 2 position



感測到物體時，先張開傘狀皮摺示威
Bluffing attacker by popping up its frill.

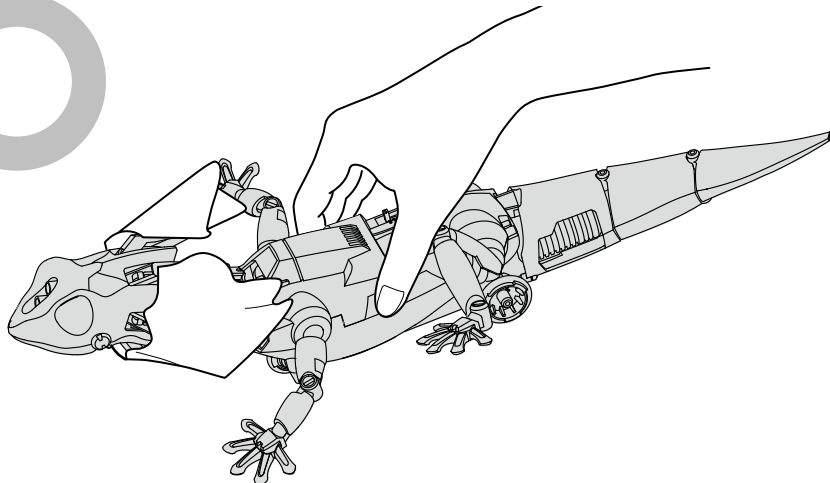
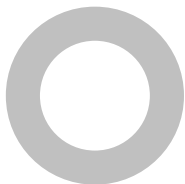


像寵物般跟隨主人
Follow me like a pet.

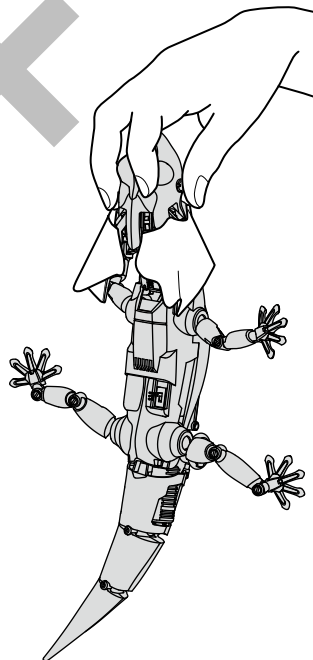
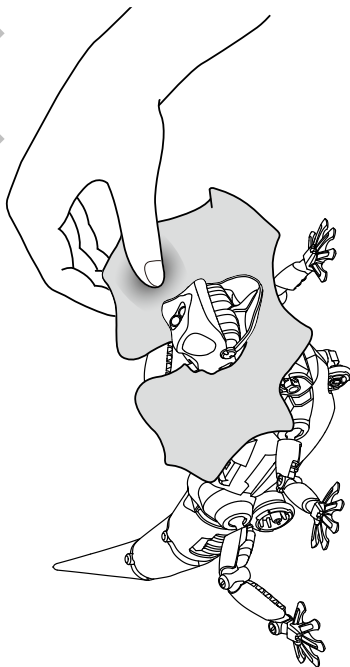


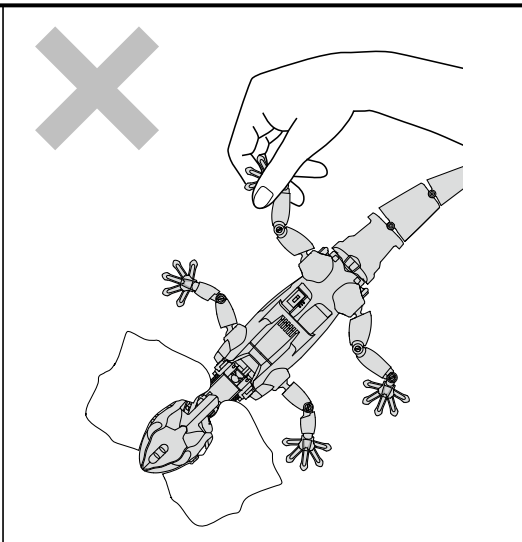
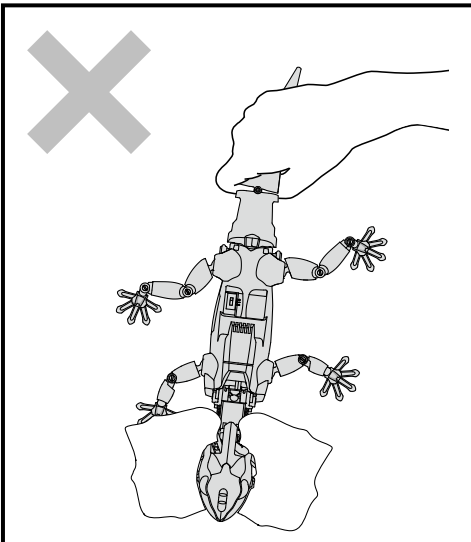


注意! Warning



拿取時請握住身體部分，抓取錯誤的位置(如下圖)將可能導致故障
Be gentle to hold your Lizard Robot, any improper manners (as below figs)
might cause its malfunction.





簡易故障排除 Trouble Shooting

1. 請確認線材安裝位置正確 (見第26, 27頁)。
Ensure all wirings are correct. (please refer to page 26,27)
2. 如果打開開關沒有動作, 請確認電池極性是否安裝正確(見第21頁)。
同時確認電池組的連接器是否正確地插入插座(見第27頁)。
If the lizard robot does not work, please check if batteries are placed in correct polarity. (please refer to page 21) Also make sure the connector of battery compartment plug to PC board . (please refer to page 27)
3. 在直射陽光下或鹵素燈下啟動, 會使得智能蜥在移動時方向錯誤。
Do not play the Lizard robot under direct sunlight or halogen lamp, it may cause the robot to go wrong direction.
4. 如果AI智能傘蜥移動時不靈活(正確安裝則移動時為四隻腳一起往前或往後) :
If the lizard robot goes unsmoothly:(4 legs shall move forward or backward at same time under correct installation)
 - 4.1 請確認前輪是否有被灰塵或其他物體卡住。
Pls check if front wheels are stuck by objects/or dust.
 - 4.2 回到第28頁, 確認前後腿的連接處(A11/A1/A8/A2)是否安裝正確(步驟27~30), 或是被灰塵或其他物體卡住)。
Back to page 28 , and check if the ball-joints (A11/A1/A8/A2) of the front /rear legs (on steps 27~30) are stuck by objects/or dust.
 - 4.3 回到第15頁, 確認步驟2零件C4/C22是否有緊固安裝?
是否誤裝成C3零件? 是否C4與C22凹槽沒有對齊同方向?
Back to page 15, make sure C4/C22 (on step 2) are installed tightly and face to correct direction.
 - 4.4 回到第18頁, 確認步驟8零件C3/C21是否有緊固安裝?
是否誤裝成C4零件? 是否C3與C21凹槽沒有對齊同方向?
Back to page 18, make sure C3/C21 (on step 8) are installed tightly and face to correct direction.

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-892 AI智能傘蜥蜴 零件表 Parts List

零件型號 Part Number	零件名稱 Part Name	數量 Qty
5GE-89200P1	小齒輪(白色) Pinion Gear	
5GE-89200P2	小齒輪(紅色) Gear (Red)	
5GE-89200P3	齒輪(黃色) Gear (Yellow)	
5GE-89200P4	齒輪(白色) Gear (White)	
5GE-89200P5	齒輪(紫色) Gear (Purple)	
5GE-89200P6	六角軸齒輪組 Gear With Shaft	
5GE-89200P7	自攻螺絲 Tapping Screw	
5GE-89200P8	六角軸(短) Hex Shaft (Short)	
5GE-89200P9	六角軸(中) Hex Shaft (Middle)	
5GE-89200P10	六角軸(長) Hex Shaft (Long)	
5GE-89200P11	圓軸(短) Round Shaft	
5GE-89200P12	圓軸(長) Round Shaft (Long)	
5GE-89200P13	電路板 PC Board	
5GE-89200P14	馬達帶端子(短線) Motor W/ Connector(Short)	
5GE-89200P15	馬達帶端子(長線) Motor W/ Connector(Long)	
5GE-89200P16	電池座 Battery Holder w/ Connector	
5GE-89200P17	紅外線感測電路 PC Board w/ Connector	
5GE-89200P18	傘狀皮摺 Frill	
5GE-89200P19	雙面膠 Adhesive Tape	
5GE-89200P20	貼紙 Sticker	
5GE-89200PPA	塑膠模型零件A Plastic Part A	
5GE-89200PPB	塑膠模型零件B Plastic Part B	
5GE-89200PPC	塑膠模型零件C Plastic Part C	
5GE-89200PPD	塑膠模型零件D Plastic Part D	
5GE-89200PPE	塑膠模型零件E Plastic Part E	

- 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: 23141

電話Tel: 02-22183233

傳真Fax: 02-22182722

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

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

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

