

GE-753

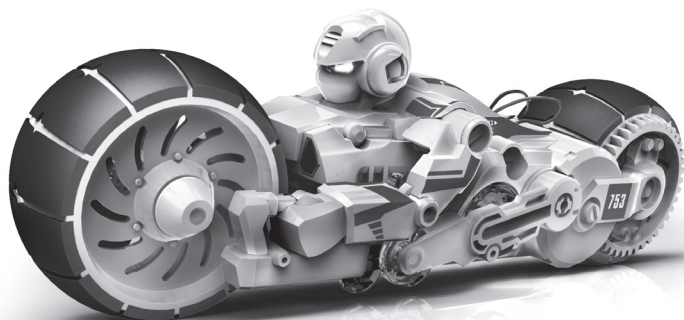
Pro'sKit®

Salt Water

FUELCELL

鹽水動力巡弋車

Motorcycle KIT



Assembly & Instruction
Manual

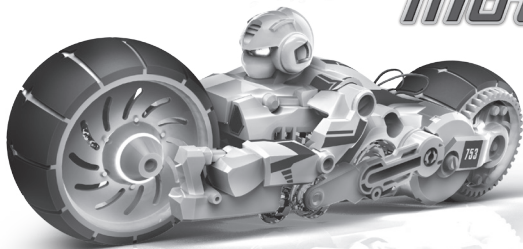
組裝說明手冊

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Salt Water

FUEL CELL Motorcycle KIT



歡迎購買寶工GE-753，這是一款對環境安全、無毒、乾淨的鹽水燃料電池玩具。採用自動復原不倒翁設計，具有直線行走、繞圈行走、S形行走的動能。透過組裝與操控的樂趣中，孩子們自然的瞭解機械的傳動原理，透過探索綠色科技，獲取低碳環保新能源的知識。8歲以上兒童可嘗試獨立組裝，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。



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

自備工具如下:



杯子



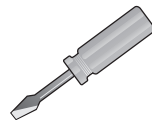
鹽



攪拌棒

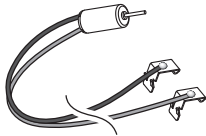
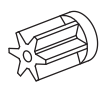


斜口鉗



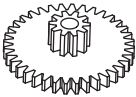
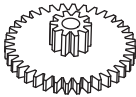
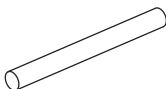
一字起子

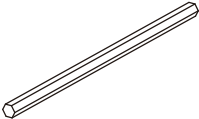
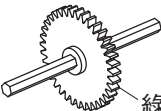
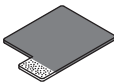
零件清單

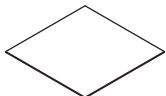
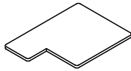
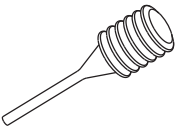
P1	馬達端子組	P2	串連端子	P3	小齒輪(黃色)
					
數量		數量		數量	
1		1		1	

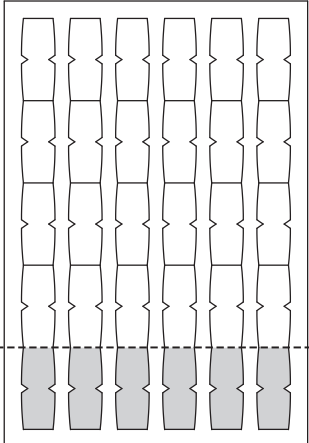
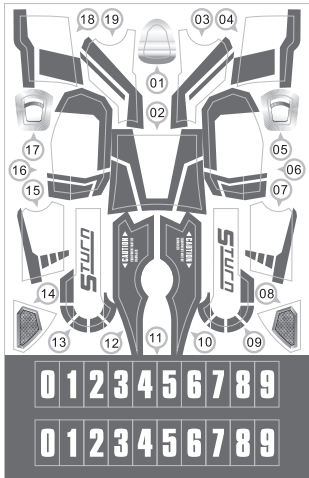


- 1.請勿將電線連接到其他電源或牆上插座
- 2.部分零件含有銳利的邊緣及尖角，組裝時請注意

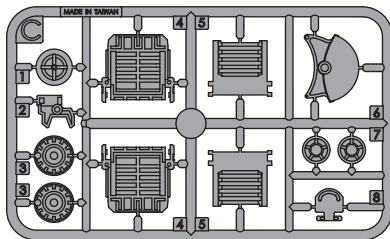
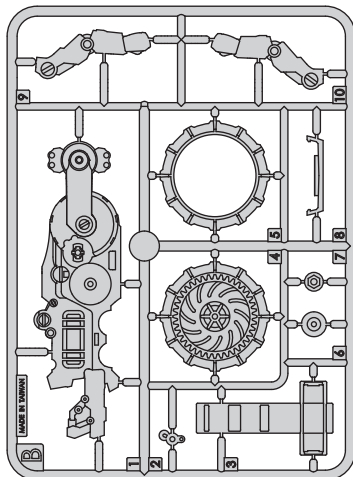
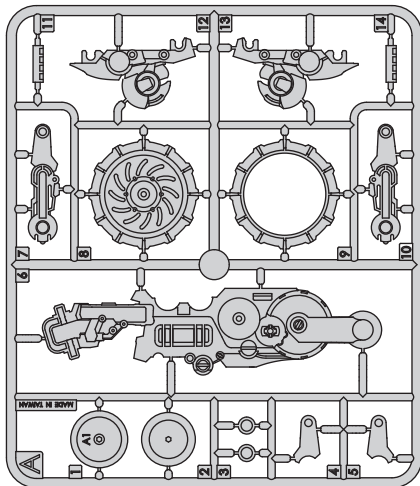
P4齒輪(藍色)		P5齒輪(橘色)		P6圓軸	
					
數量		數量		數量	
1		3		5	

P7六角軸		P8六角軸齒輪組		P9空氣極(黑色)	
					
數量		數量		數量	
1		1		2	

P10不織布		P11鎂合金片		P12滴管	
					
數量		數量		數量	
2		2		1	
(附備品2片)		(附備品4片)			

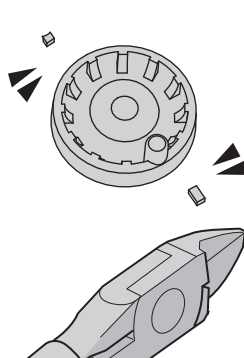
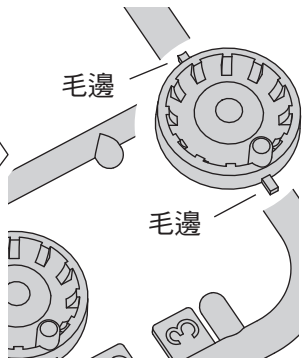
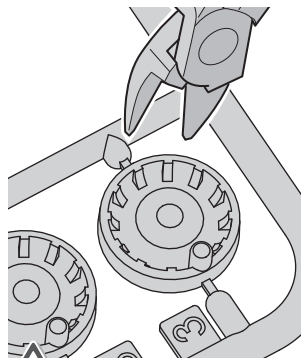
P13泡棉		P14貼紙	
			
(備品)			
數量		數量	
1		1	

塑膠模型零件



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。

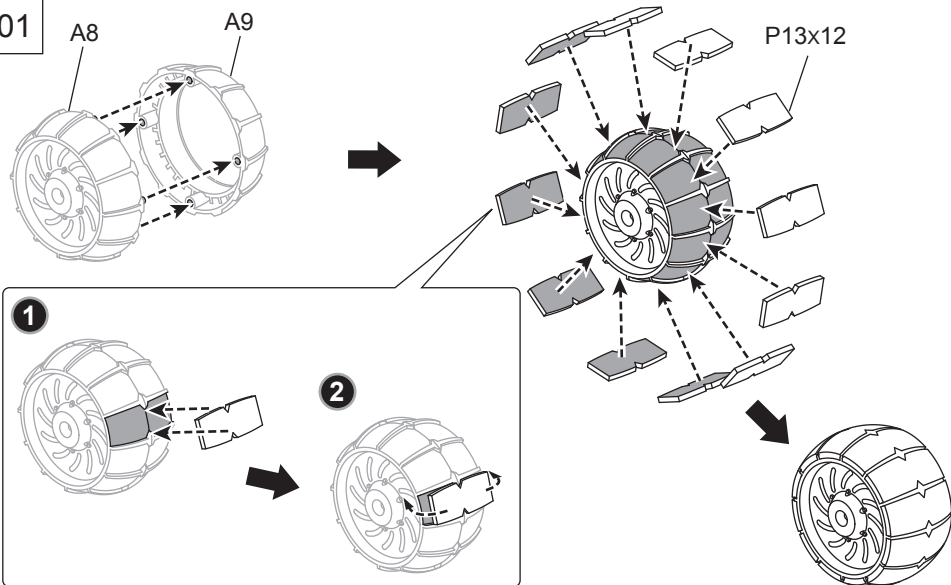
小技巧提醒



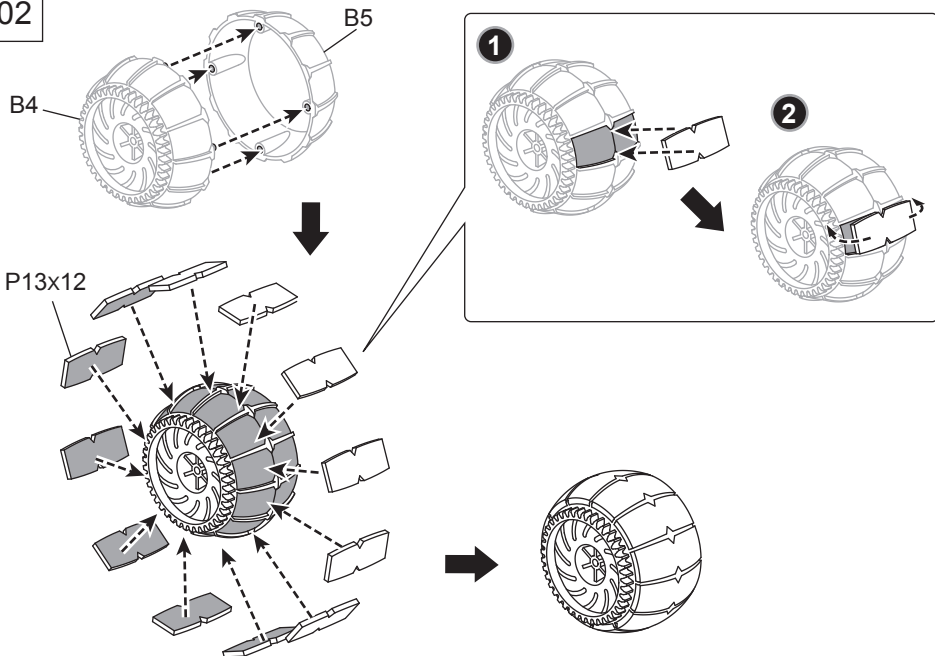
剪下零件時請將毛邊剪切乾淨，以免產生間隙影響組裝

模型零件組裝

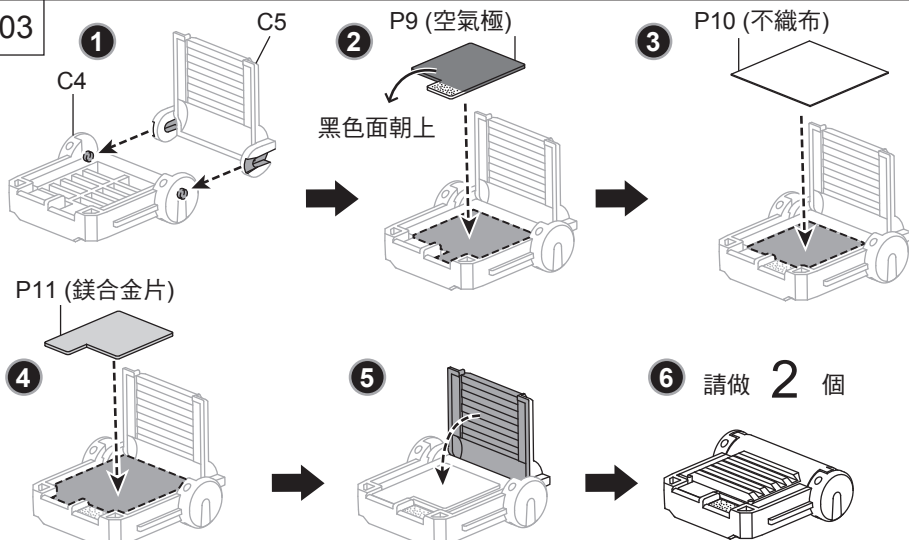
01



02

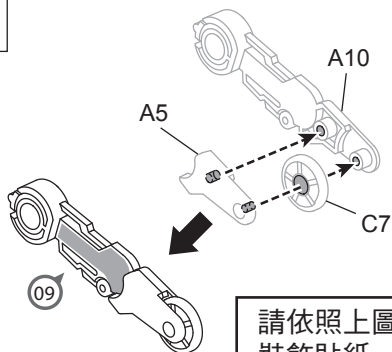


03

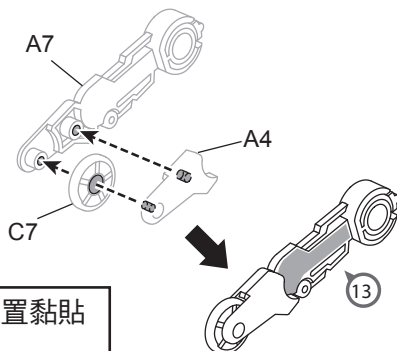


請確認P9/P10/P11以正確的順序組裝，且放置位置正確

04

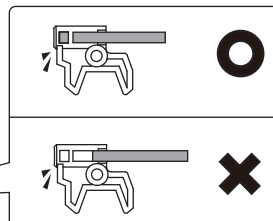
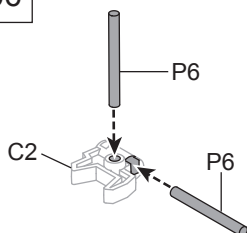


05



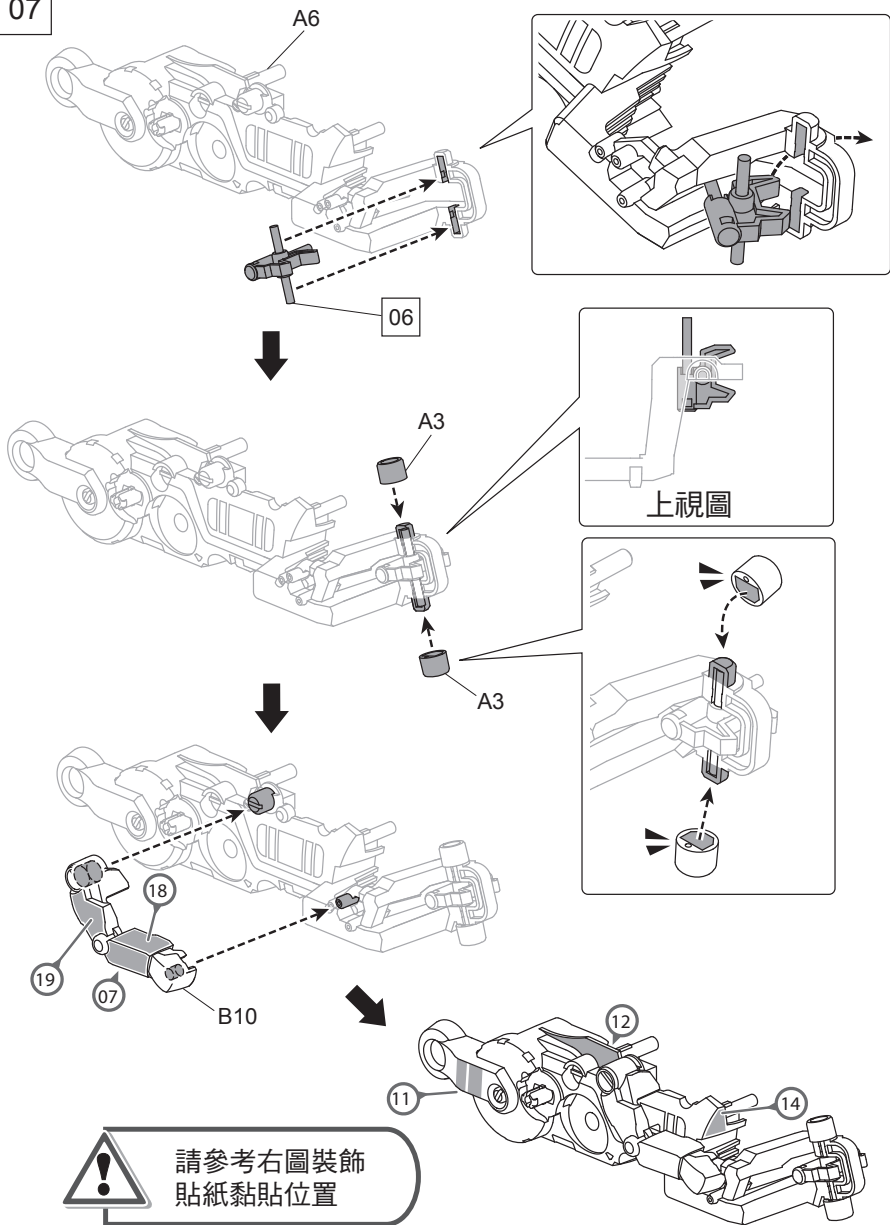
請依照上圖所示位置黏貼裝飾貼紙

06

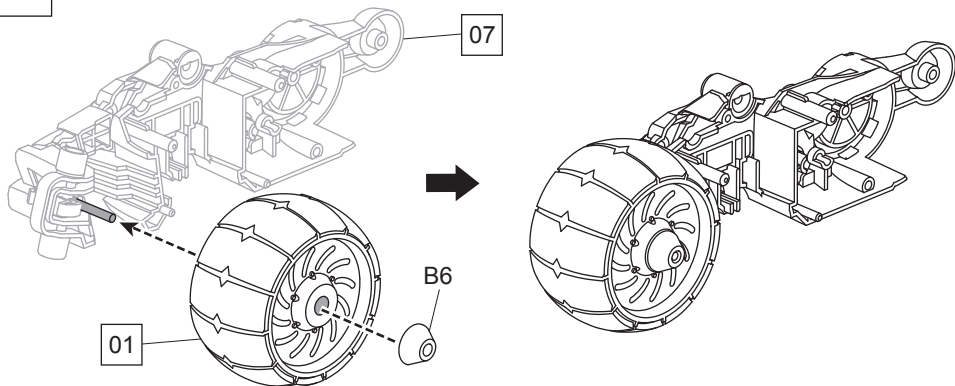


將P6如上圖所示推到底

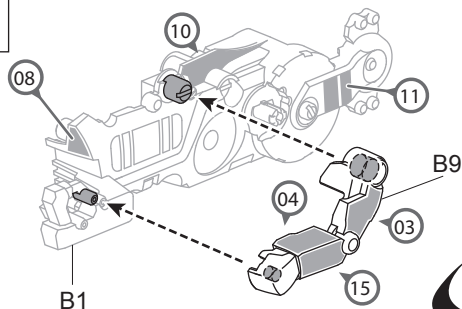
07



08

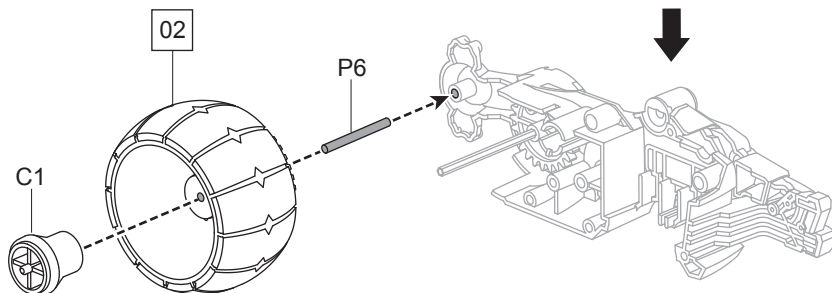
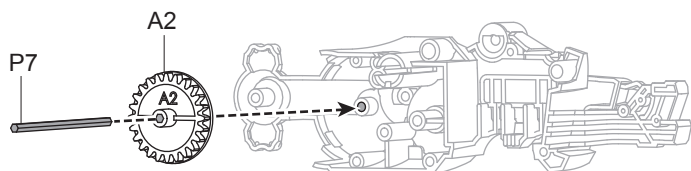


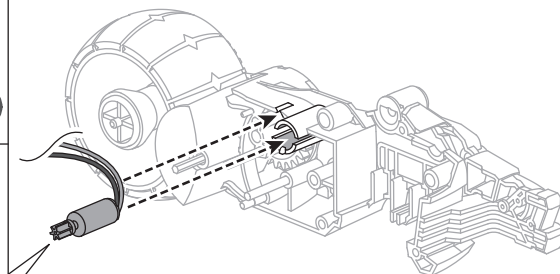
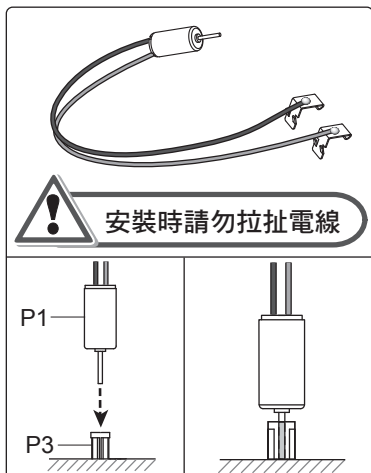
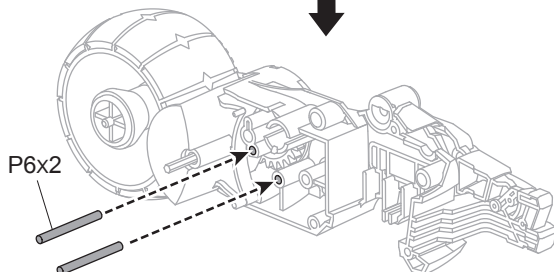
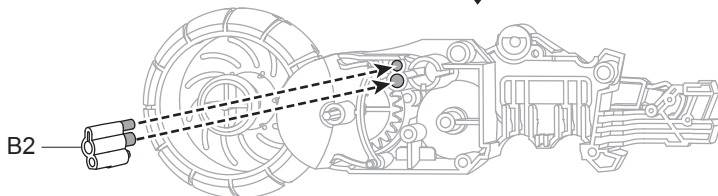
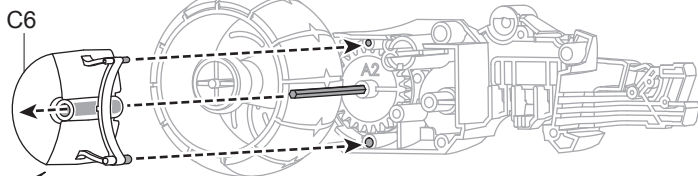
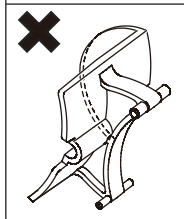
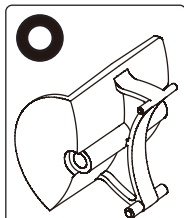
09

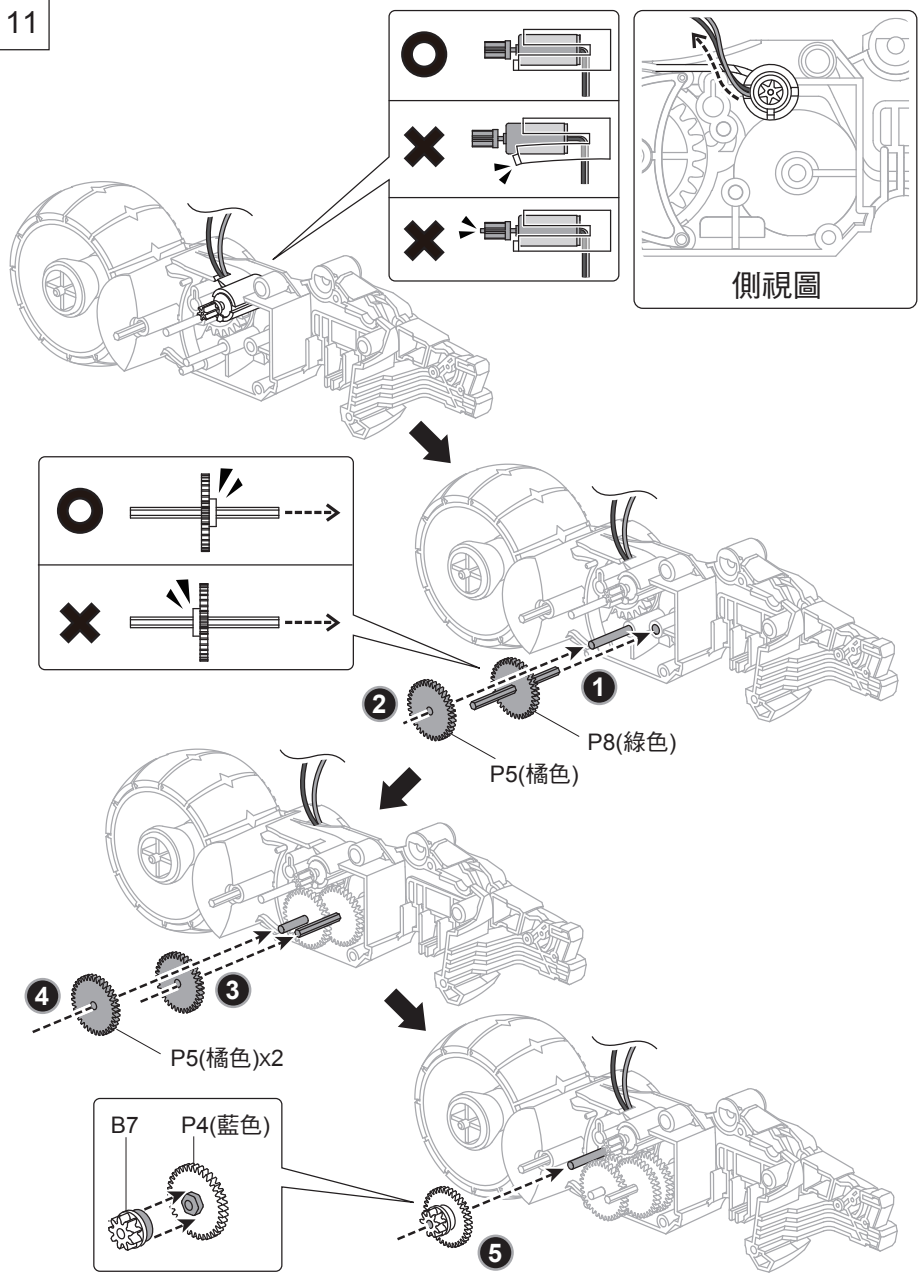


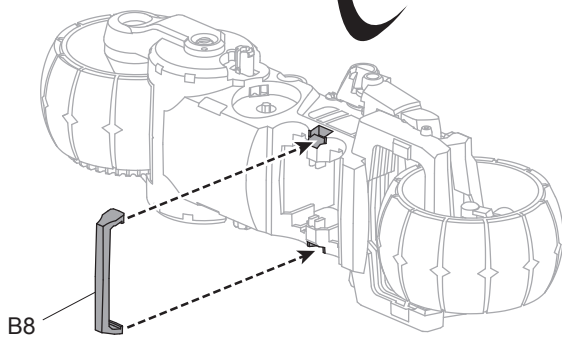
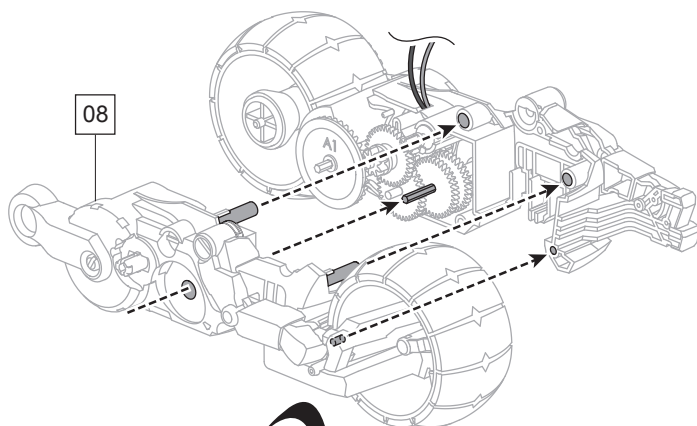
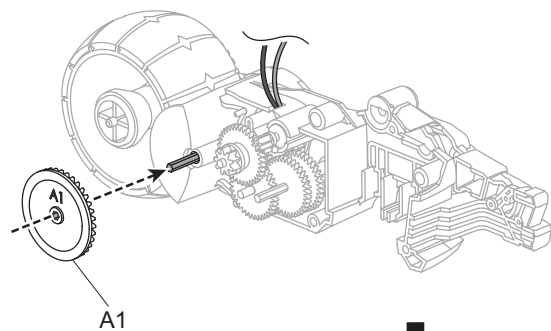
請參考左圖裝飾
貼紙黏貼位置

轉90度



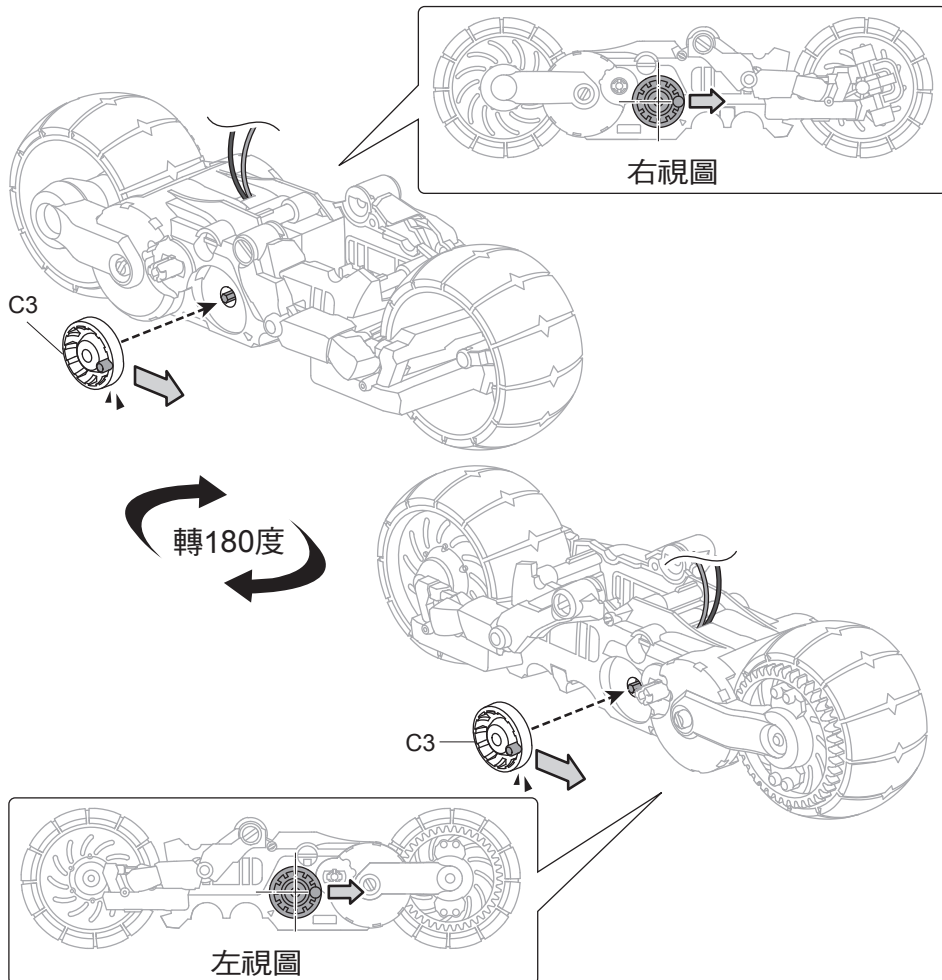
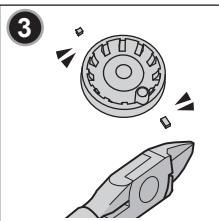
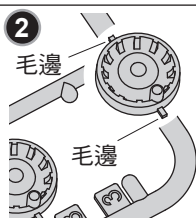
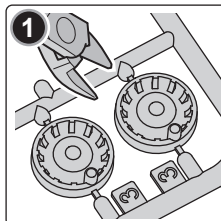




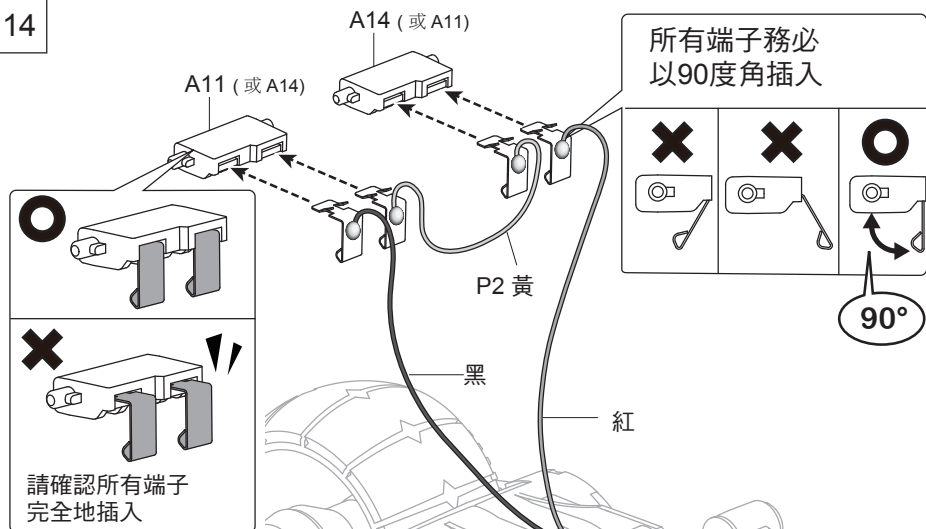




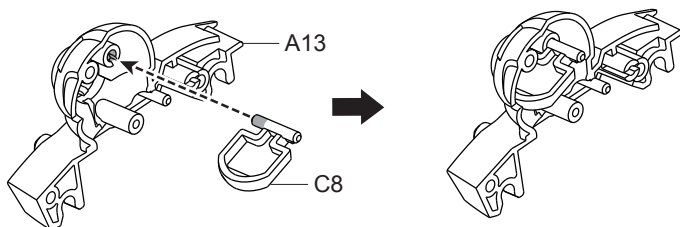
組裝前請將C3毛邊剪掉



14



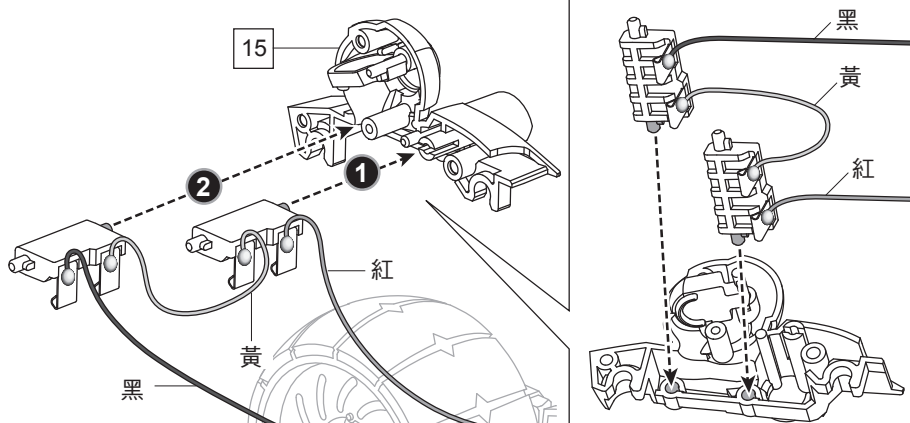
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16

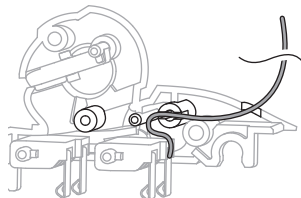


請確認以下零件以正確的順序組裝
且放置位置正確

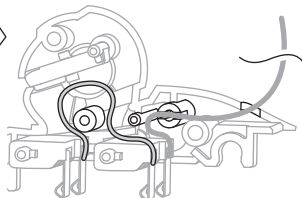


線序整理方式如下

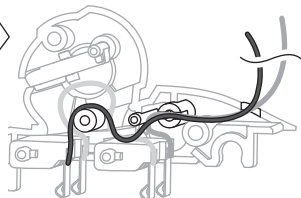
紅線



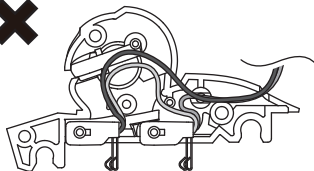
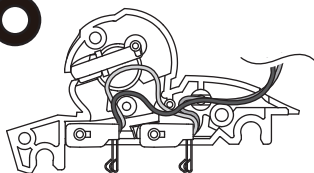
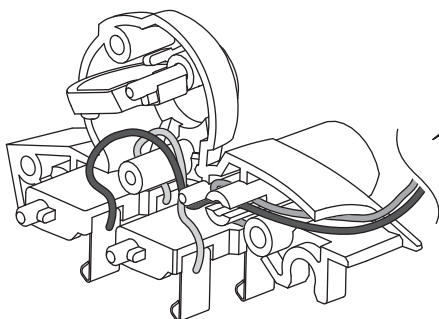
黃線



黑線

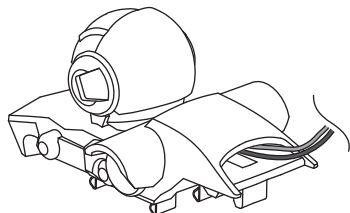
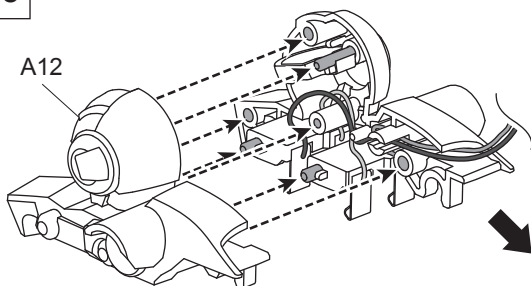


17



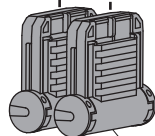
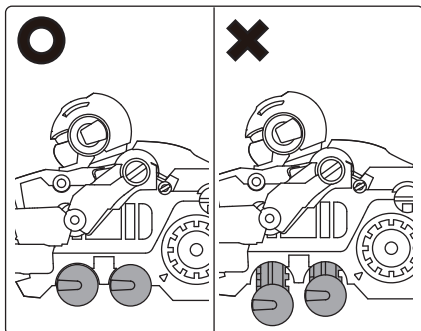
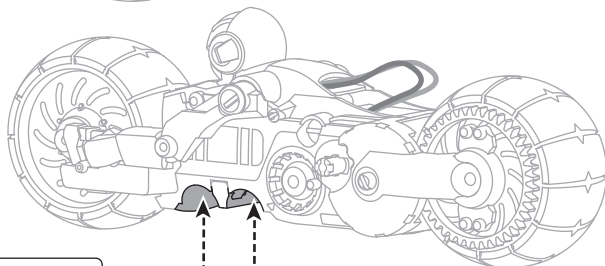
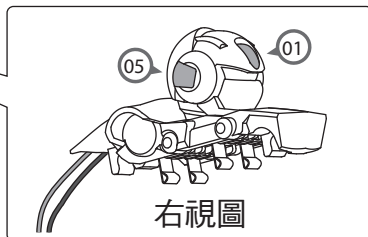
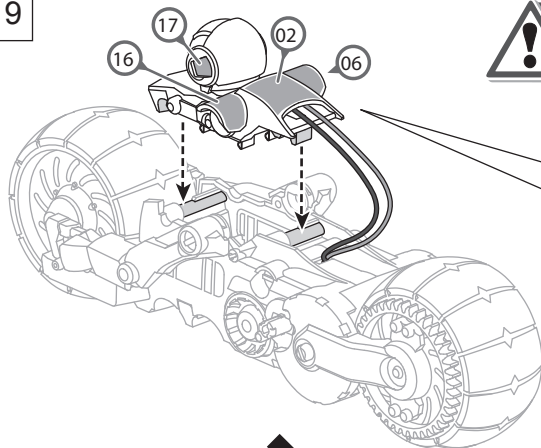
18

A12

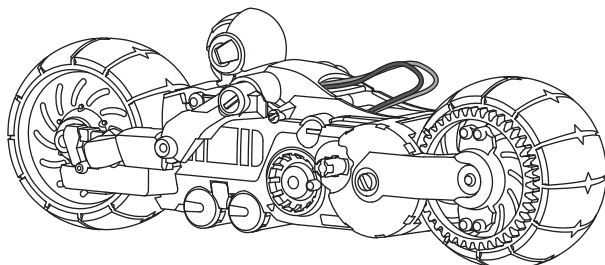
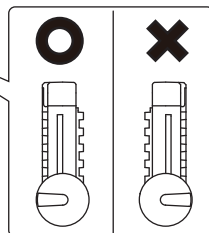




請依照左圖所示位置黏貼
裝飾貼紙

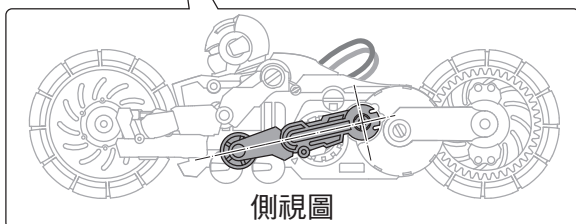
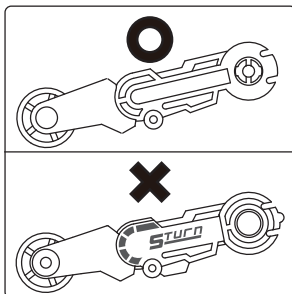
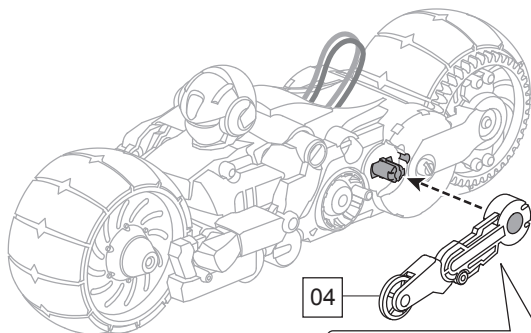


03 x2



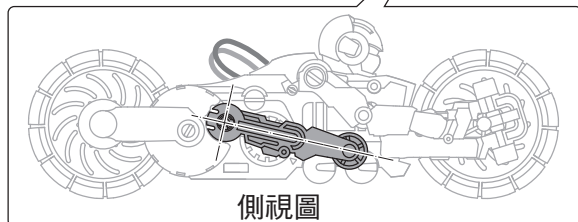
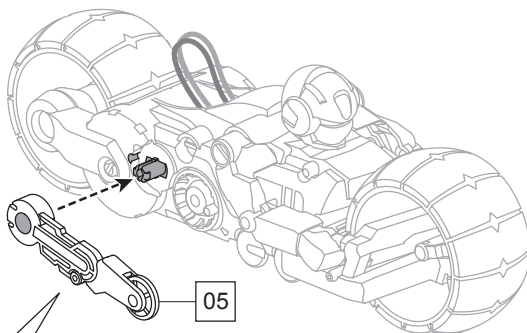
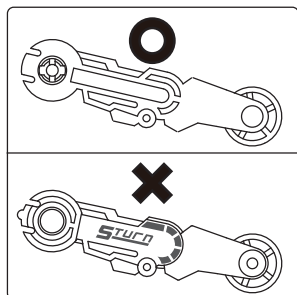
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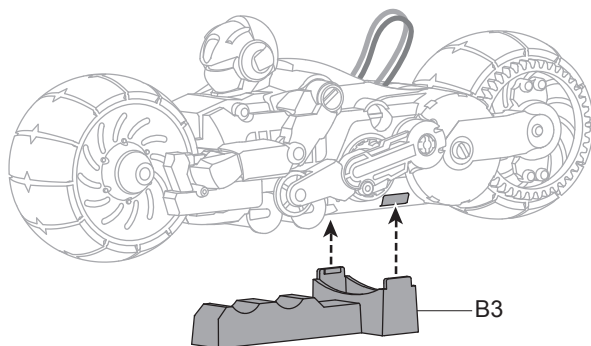
左側配件組裝



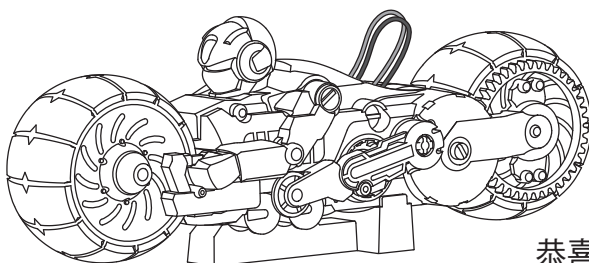
21

右側配件組裝

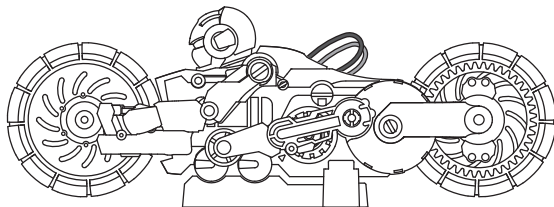




(將B3立起以便停放摩托車)



恭喜完成



側視圖

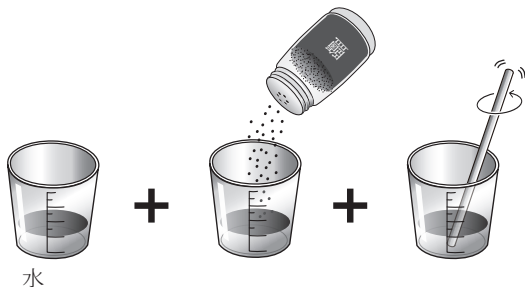
鹽水電池製作

- 鹽水能量 **大約20分鐘後** 就會耗盡，摩托車速度會變慢並停止。此時請再依照附圖**③**位置增加鹽水即可
- 每個鎂合金片約可持續使用**3小時**，當鎂合金片氧化至不堪使用時請更換新鎂合金片。本產品隨貨附贈4片鎂合金片備品
- 本產品是對環境安全、無毒、乾淨的鹽水燃料電池玩具，無須擔心丟棄會造成環境危害。



使用前請耐心閱讀以下注意事項

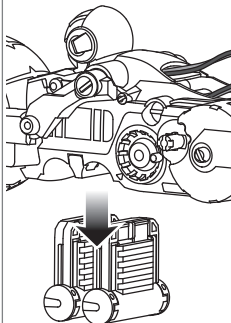
- ① 鹽水製作：**請取出容器裝水，以鹽 1:5水的比例調製，基本上鹽的比例從20%~99%都可以驅動摩托車，但以鹽佔20%的效果最好。



水

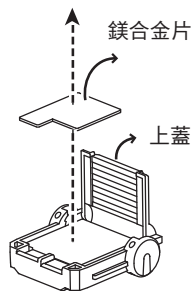
- ② 如何將鹽水添加到摩托車**

a.



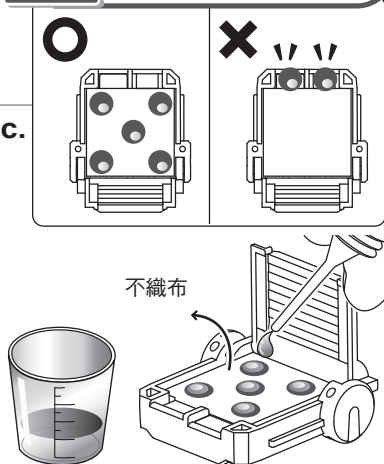
將電池盒取出

b.



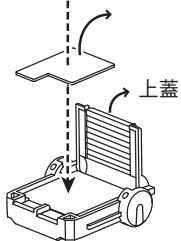
打開上蓋取出鎂合金片

c.



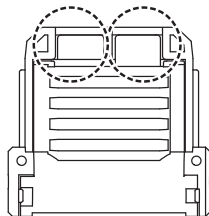
以滴管吸取鹽水點在不織布上

d. 鎂合金片



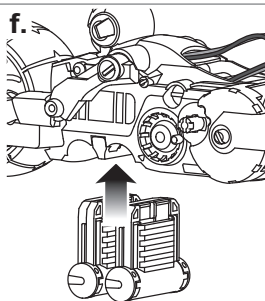
將鎂合金片及上蓋蓋回

e.



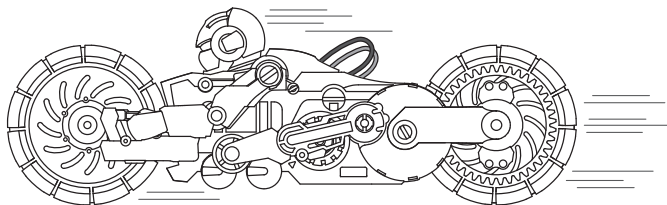
確認電池正負極位置是乾燥
沒有鹽水

f.



將電池盒插回原位

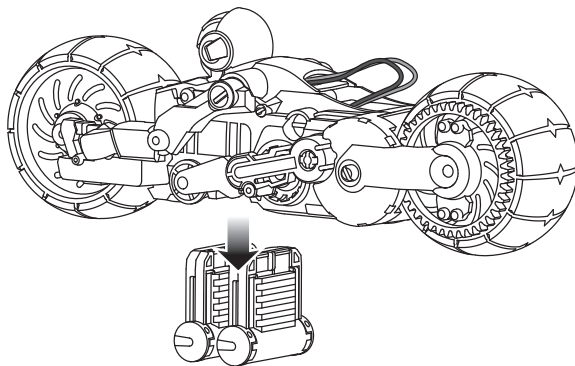
g.



開始狂奔囉~~

③ 如何重新填充鹽水：當摩托車速度開始變慢或停止時，可加幾滴鹽水在圖示 2C 位置，請勿加到電極位置以免氧化。在每次使用前可用一字起子刮除端子及鎂合金片上的氧化物。(請參考下圖)

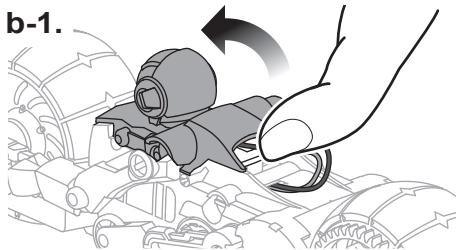
a.



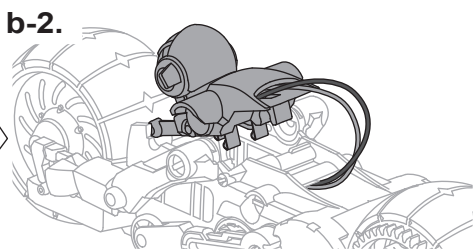
將電池盒從摩托車取出

請將機車騎士取下

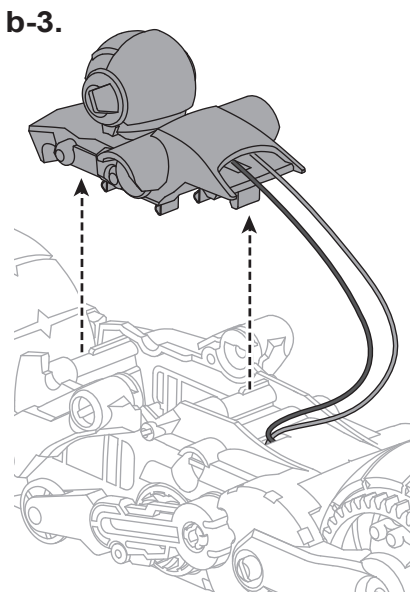
b-1.



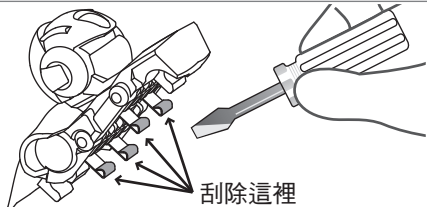
b-2.



b-3.

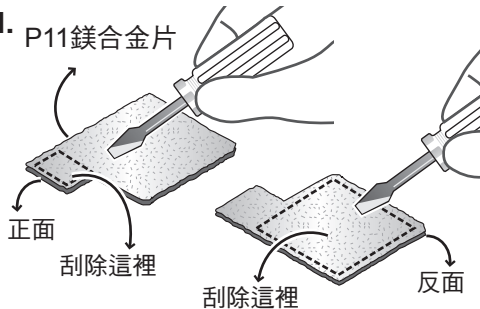


c.



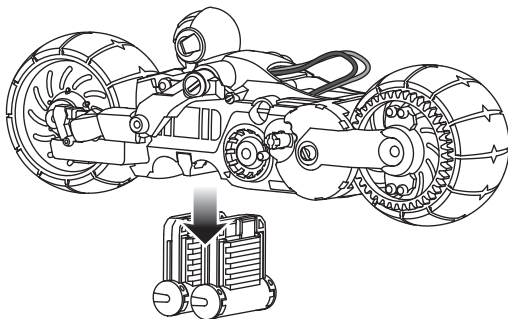
d.

P11 鎂合金片



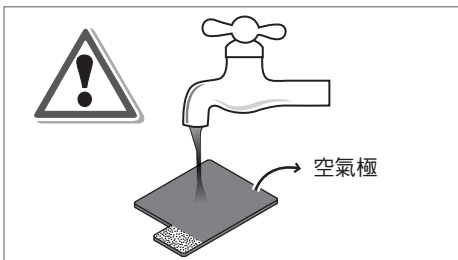
請刮除端子及鎂合金片上的氧化物

④ 將電池盒取出即停止狂奔

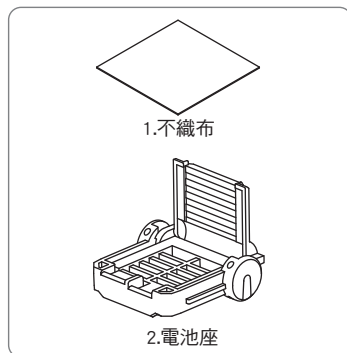
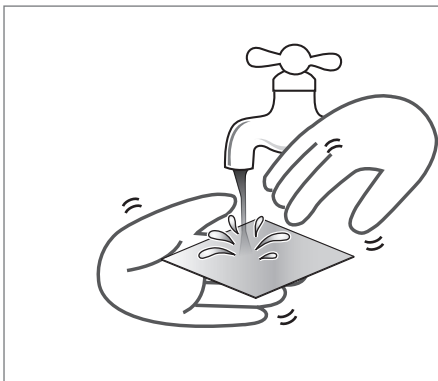


5 燃料電池組保養方式：每次使用後請進行清潔

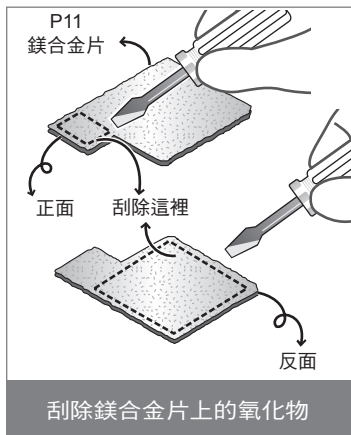
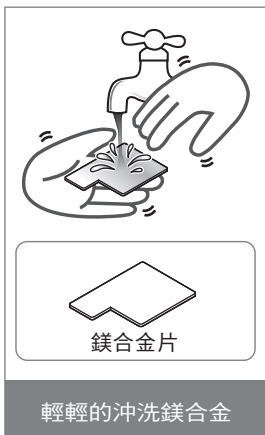
5-1 每次使用後或收藏前，請在自來水下輕輕地清洗黑色空氣極，請勿搓揉表面以維護品質



5-2 請沖洗以下零件並以手擦拭表面，確認沒有鹽分殘留。請個別乾燥。(請注意:如果鹽分殘留在鎂合金片上將會使其使用壽命減短)



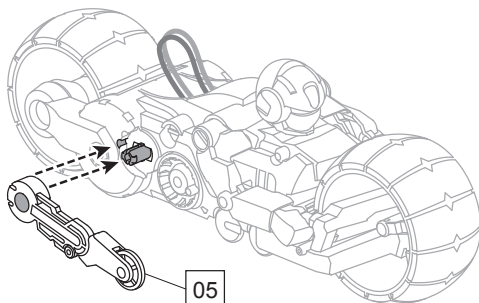
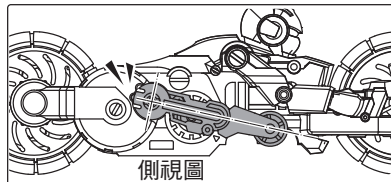
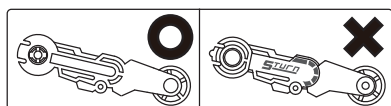
5-3 如下圖所示，請沖洗並刮除鎂合金片上的氧化物



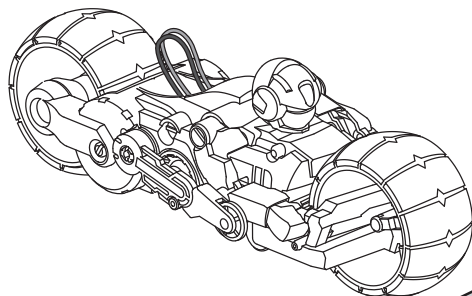
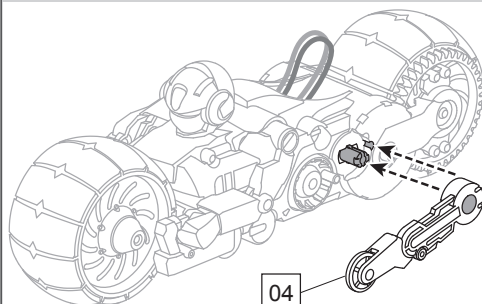
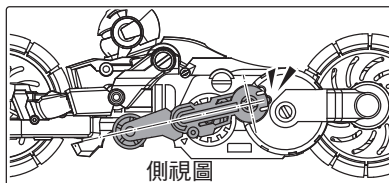
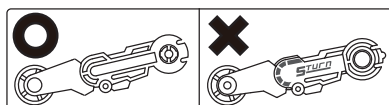
操作方式

直線前進

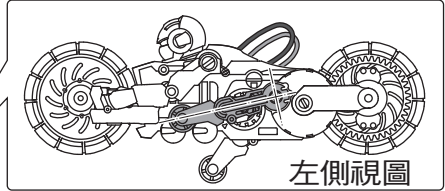
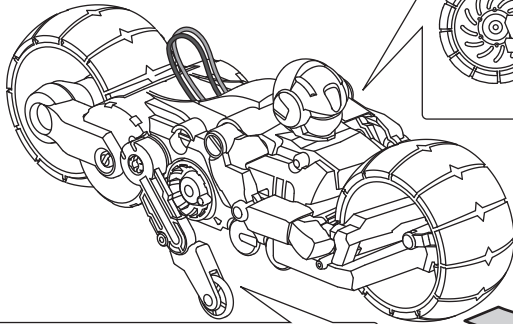
右側組裝



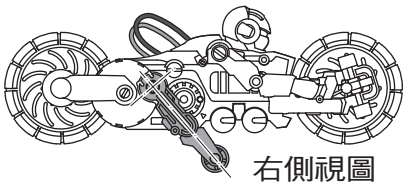
左側組裝



往左繞圈迴轉

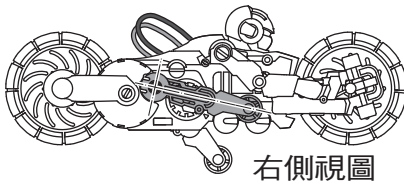


左側迴轉



右側視圖

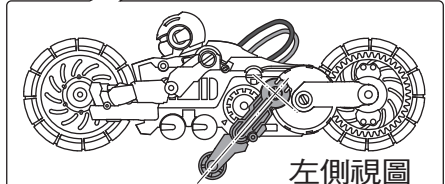
往右繞圈迴轉



右側視圖

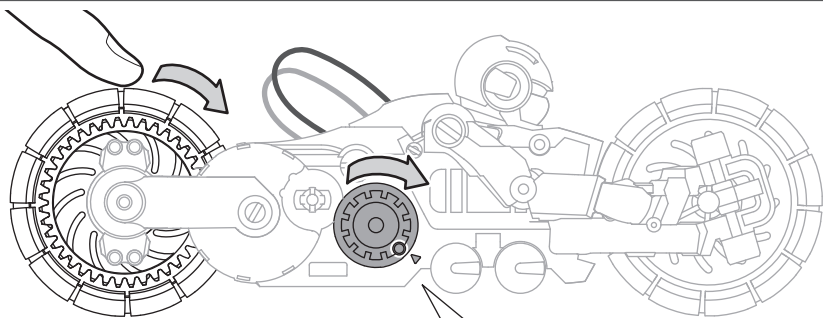


右側迴轉



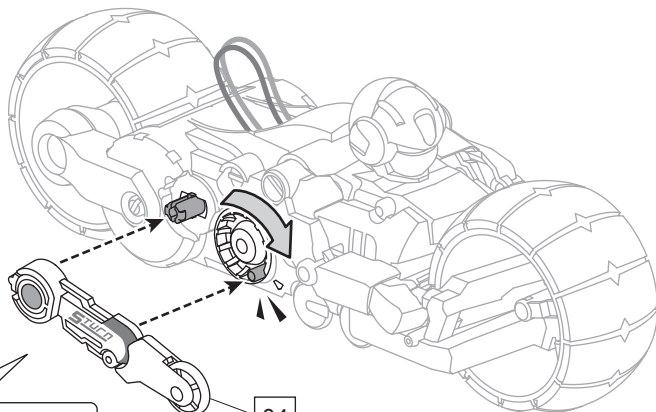
左側視圖

S形行走

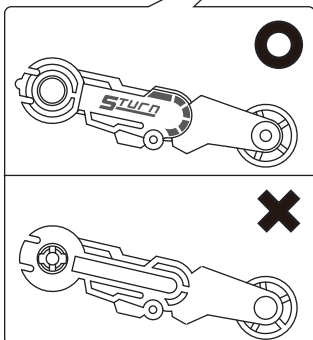


手指旋轉後輪直到 ” ▲ ” 指向兩側的突起柱

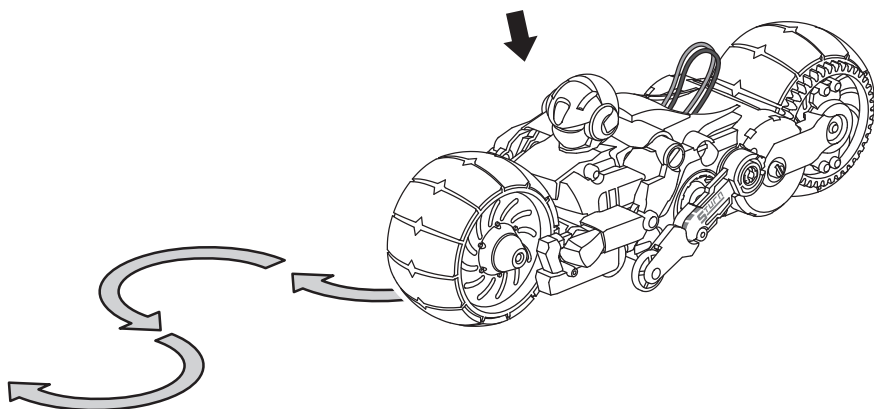
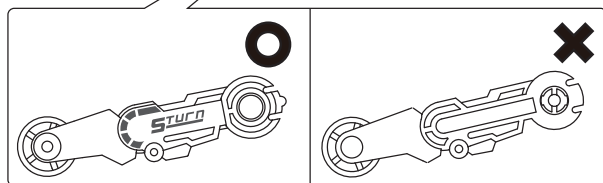
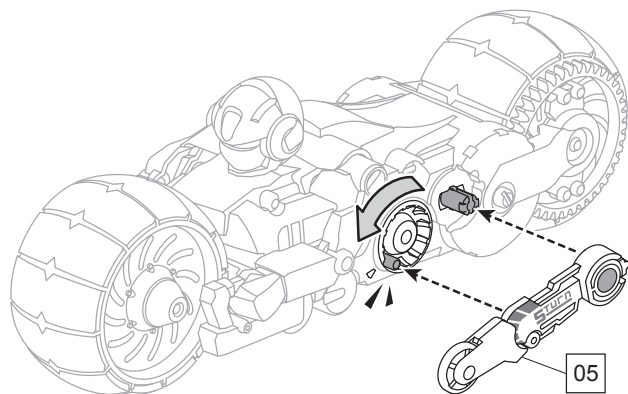
右側組裝



04



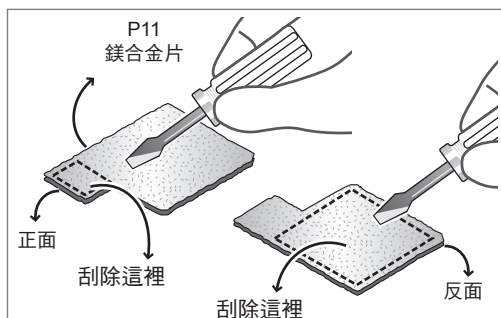
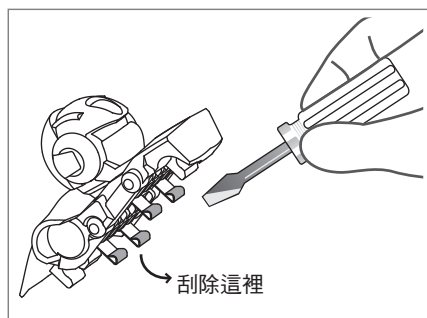
左側組裝



故障排除

若添加鹽水後摩托車沒有動作,請依照以下步驟確認

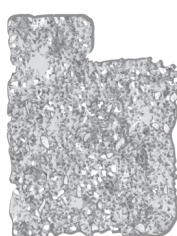
- ❶ 請確認電池組是以正確的順序組裝，且放置位置正確：
黑色空氣極 → 不織布 → 鎂合金片(參考P.5步驟 **STEP 3**)
- ❷ 請確認空氣極為黑色面朝上(參考P.5步驟 **STEP 3**)
- ❸ 不織布用來隔絕空氣極及鎂合金片，請確認空氣極及鎂合金片沒有接觸 以免短路。(參考P.5步驟 **STEP 3**)
- ❹ 請確認電池正負極位置是乾燥沒有鹽水。(參考P.17 **2 C**)
- ❺ 請確認正負極端子及燃料電池組已完全地插入且位置正確。(參考步驟 **STEP 19**)
- ❻ **重要!**鹽水容易形成氧化，在每次使用前可用一字起子，刮除端子及鎂合金片上的 氧化物。請參考下圖示實做。



- ❼ 當鎂合金片出現以下侵蝕狀況請更新。



(新)



(已侵蝕須換新)

- ❽ 請確認每個連接器端子安裝在正確位置(參考步驟 **STEP 16**)
- ❾ 請確認馬達及齒輪是否安裝在正確位置
- ❿ 請確認零件C3毛邊是否剪切乾淨

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

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

寶工購物網:<https://shop.prokits.com.tw>

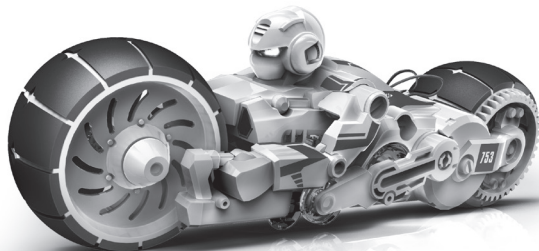
GE-753 鹽水動力巡弋車 零件表

零件型號	零件名稱	數量
5GE-75300P1	馬達端子組	
5GE-75300P2	連接端子	
5GE-75300P3	小齒輪(黃色)	
5GE-75300P4	齒輪(藍色)	
5GE-75300P5	齒輪(橘色)	
5GE-75300P6	圓軸	
5GE-75300P7	六角軸	
5GE-75300P8	六角軸齒輪組	
5GE-753SP	6個鎂合金片， 2個空氣極， 2片不織布	
5GE-75300P12	滴管	
5GE-75300P13	泡棉	
5GE-75300P14	貼紙	
5GE-75300PPA	塑膠模型零件A	
5GE-75300PPB	塑膠模型零件B	
5GE-75300PPC	塑膠模型零件C	
5GE-75300IM	組裝操作說明	

Salt Water

FUEL CELL

鹽水動力巡弋車 *Motorcycle KIT*



Pro'sKit®

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

電話:02-22183233

傳真:02-22182722

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

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



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