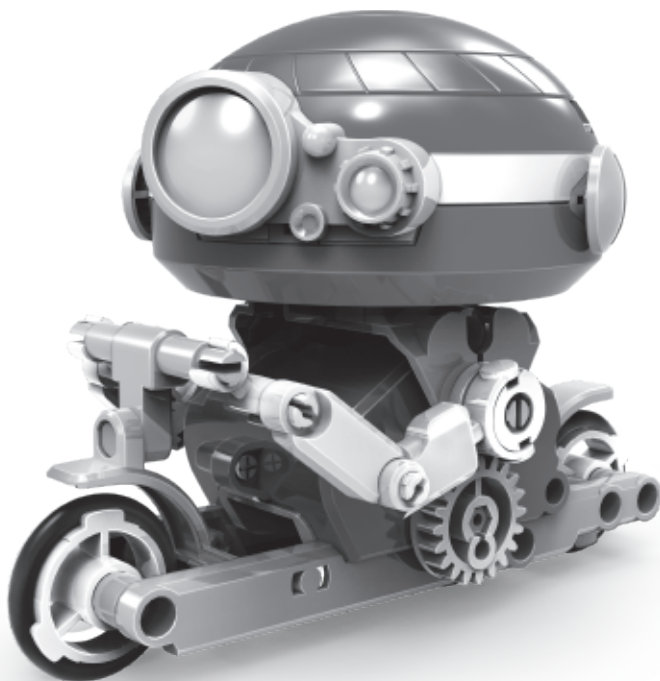


GE-635

Pro'sKit®

6 in 1 Spin The Rotor To Master Gyro Basics
GYROSCOPE kit

六合一搖擺陀螺



Assembly & Instruction
Manual

組裝說明手冊

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六合一搖擺陀螺 6 in 1 Gyroscope Kit

產品介紹 Product Introduction

一提到陀螺，你會想到什麼？是...圓圓的小東西在地上打轉？這個答案不算錯，但其實還有更多可能！這款陀螺機器人可重複拼裝、拆解、再拼裝成6種不同造型，每款造型遊戲難度不一，將陀螺遊戲提升到另一新境界！從基本的將陀螺穩定在尖塔上旋轉，到高難度的把陀螺小子平衡在“雲霄飛車”軌道上並跑完全程，每一關都再挑戰你的技巧，同時也將陀螺儀的基本概念潛移默化進你的知識庫裡。

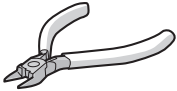
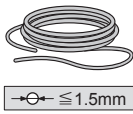
What comes up to your mind when you think about spinning top? A round-shaped object spinning a long time on the ground? Yes, it could be right, but it can be something more fascinating! The 6-in-1 gyroscope experimental kit offers you a total of 6 brand new ideas, taking the spinning top game to a whole new level. From stage 1- keep the spinning top rotating without falling down from the tower, to stage 6- lead and secure the little guy finishing a long track in the 3D world, you will not only have a lot of fun challenging your techniques, but also learning the gyroscopic basic physics, such as rotation, precession, nutation, and inertia at the same time. The environment-friendly kit needs no batteries at all. By pulling the rip cord, you can easily power and accelerate it. The kit can be dissembled and reassembled into 6 different styles.



警告
Warning

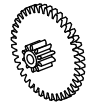
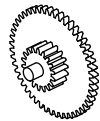
1. 本玩具內含小物件，請勿讓三歲以下孩童取得，以免放入口中造成窒息。
Choking hazard - Small parts. Not for children under 3 years.
2. 兒童使用剪切工具時，請家長指導使用方式，並請在家長監督下使用，以免發生意外。
Adult supervision is recommended when children use scissors.
3. 為避免嬰兒或兒童產生窒息的危險，請於拆卸後立即將塑膠袋銷毀或遠離嬰兒及兒童。
To avoid danger of suffocation, keep the plastic bag away from babies and children.

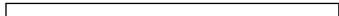
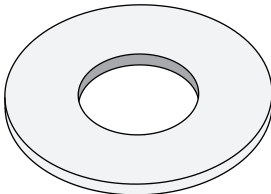
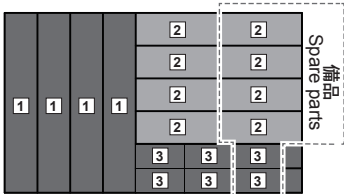
自備工具 Tools You May Need

Diagonal Cutter 斜口鉗	Hammer 錘子	Screwdriver 螺絲起子	Cup 杯子
 #推薦實工PM-201/PM-202			
Tissue Paper 衛生紙	Tape 膠帶	Cotton Swab 棉花棒	Rope 棉繩
			

零件清單 Mechanical Parts List

! 部分產品含有銳利邊、角，組裝時請特別注意
Product contains functional edges and sharp points.

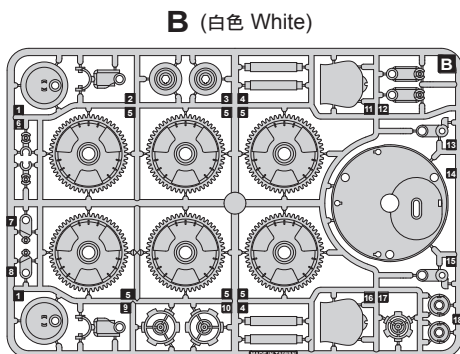
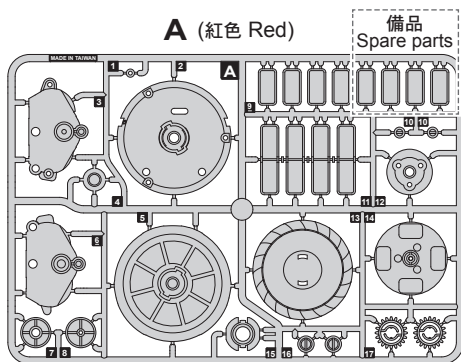
P1	Eyelet 雞眼圈	P2	Pinion Gear (White) 小齒輪(白色)	P3	Gear 24T (Red) 齒輪(紅色)	P4	Gear 40/10T (Green) 齒輪(綠色)
	 2 pcs		 5 pcs		 1 pc		 3 pcs
P5	Gear 48/18T (White) 齒輪(白色)	P6	Tapping Screw 機械螺絲	P7	Hex Shaft 六角軸		
	 1 pc		 1:1 14 pcs		 1:1 1 pc		

P8	Hex Shaft 六角軸	P9	Round Shaft (Short) 圓軸(短)	P10	Round Shaft (Medium) 圓軸(中)
 1:1 1 pc		 1 pc		 1:1 2 pcs	
P11	Round Shaft (Long) 圓軸(長)	P12	Sponge 泡棉貼		
 1:1 1 pc		 1 pc			
P13	Washer 墊片	P14	Sponge 泡棉貼		
 2 pcs		 1 pc			
P15	Oil Bag 油包				
  Please oil ONLY the parts as instructed, but not others. 請勿將潤滑油抹到非指示抹油處					
1 pc					

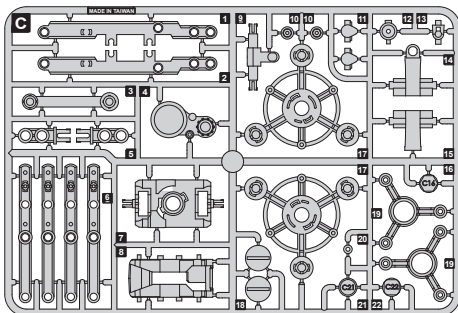
塑膠模型零件 Plastic Parts



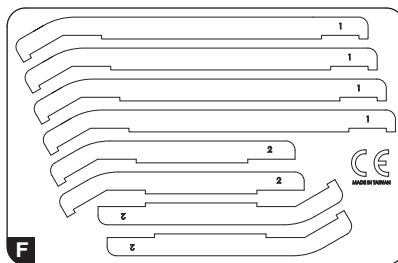
請依照組裝步驟將所需的零件剪下，事先全數剪下會在組裝時造成混淆。
Cut the plastic parts when they are required. Do not cut them in advance.



C (黃色 Yellow)



F (白色 White)



D (黑色 Black)



E (黑色 Black)



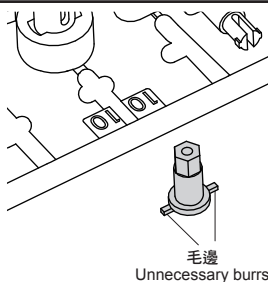
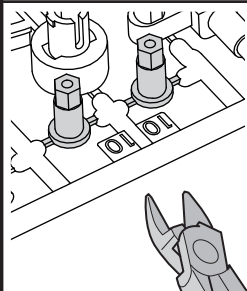
**組裝注意事項
Must-know**



**在開始組裝前，請仔細閱讀以下說明
Read It Before Assembly**

Please read through and follow the tips below before assembly.

去除毛邊 Remove burrs



修剪僅限毛邊，請勿誤剪本體上的塑料，以免造成組裝不完全
Trim off the burrs ONLY. Do not trim off the protrusion belonged to original plastic parts. All features of parts should be kept completely.

緊固螺絲 Fasten tapping screws



請使用正確尺寸的起子鎖螺絲，並請依循以下步驟
Use corresponding (size-compatible) screwdriver. By following steps below, you can fasten the tapping screws perfectly.

將起子頭對準螺絲上方
Put the screwdriver towards the top of screws.

- (1) 依鎖緊方向旋轉 Screw in
- (2) 感受阻力逐漸升高 Feel the tension getting higher
- (3) 繼續鎖緊 Keep screwing

持續旋轉直至螺絲被鎖緊
Repeat until screws are tightly fastened.

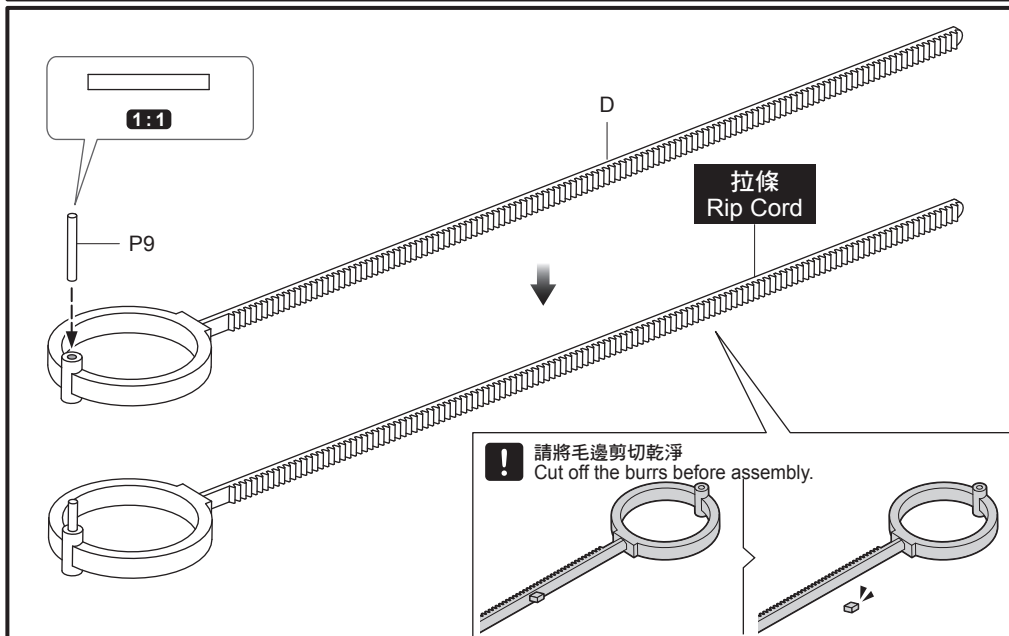


螺絲務必鎖緊，倘若螺絲未鎖緊，可能會導致組裝崩解或是產品無法正常使用

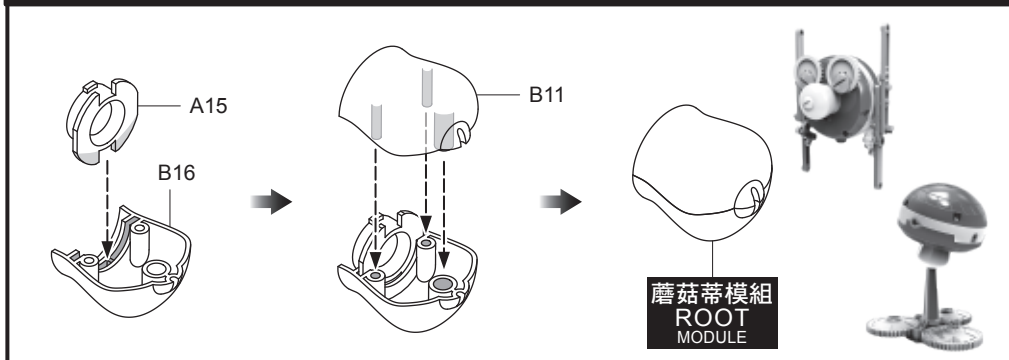
Please lock screws all the way down to the bottom. If they are not fastened tightly enough, parts may come off. The product may consequently not work.



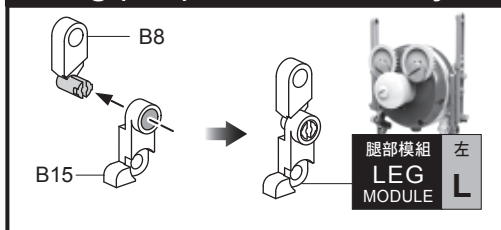
拉條組裝 Rip Cord Assembly



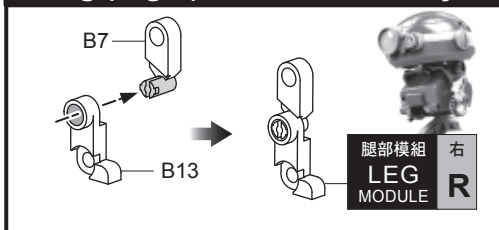
蘑菇蒂組裝 Root Module Assembly



左腿組裝 Leg (Left) Module Assembly



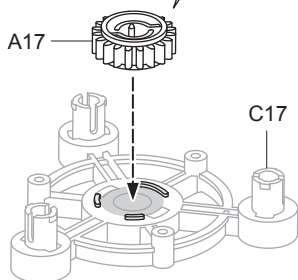
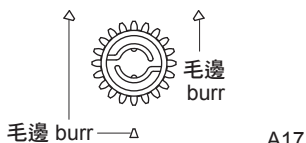
右腿組裝 Leg (Right) Module Assembly



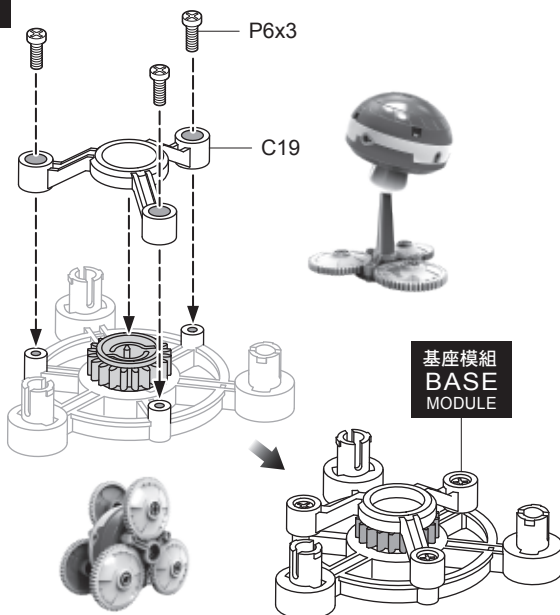
基座組裝 Base Module Assembly

1

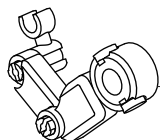
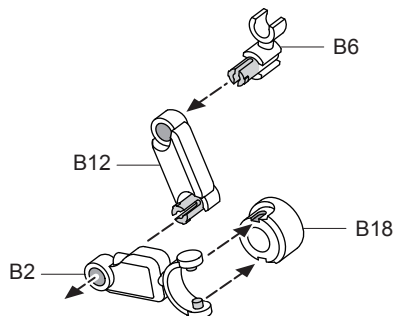
! 請將毛邊剪切乾淨
Cut off the burrs before assembly.



2

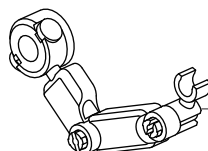
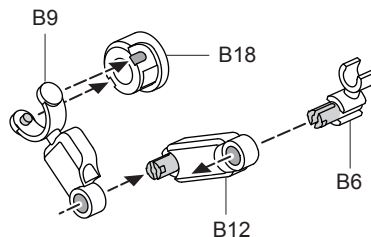


左臂組裝 Arm (Left) Module Assembly



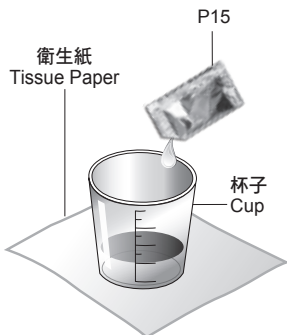
手臂模組 左
ARM
MODULE L

右臂組裝 Arm (Right) Module Assembly



手臂模組 右
ARM
MODULE R

抹油方式 How to Oil The Parts



= 抹油
Apply Oil

注意: 出現此圖  代表零件需抹油

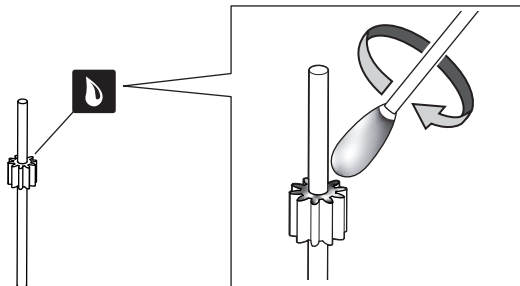
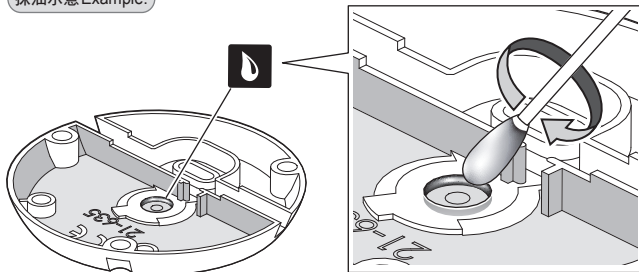
Note : Oil the parts when  appears.



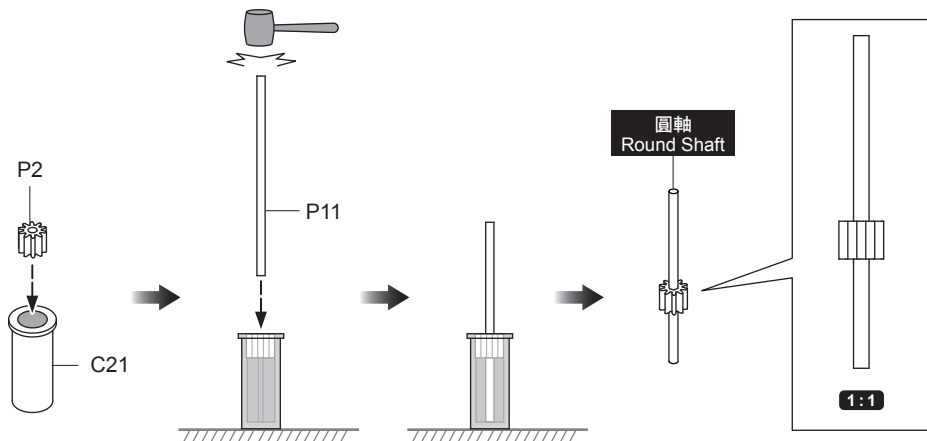
請勿將潤滑油抹到非指示抹油處

Do not oil outside the shadow as shown below.

抹油示意Example:

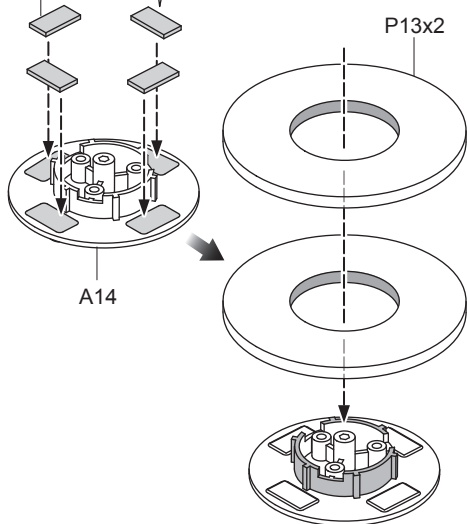


1



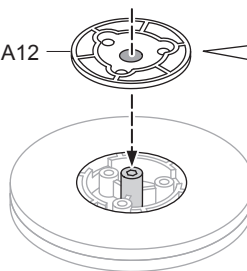
2

P14 Sponge 泡棉貼

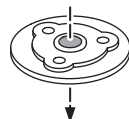
P14 **3** x4

3

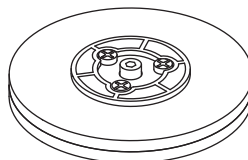
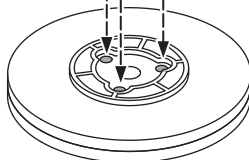
A12



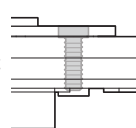
✗ 錯誤
Incorrect



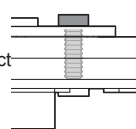
P6x3



✓ 正確
Correct



✗ 錯誤
Incorrect



4

C12

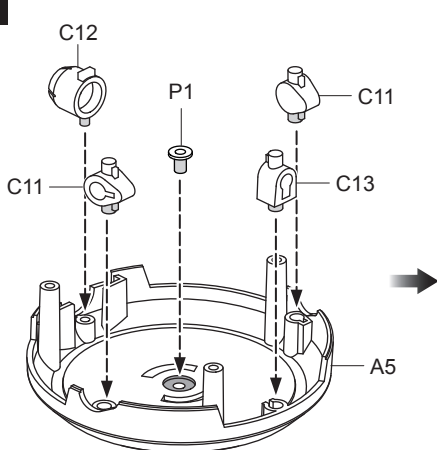
P1

C11

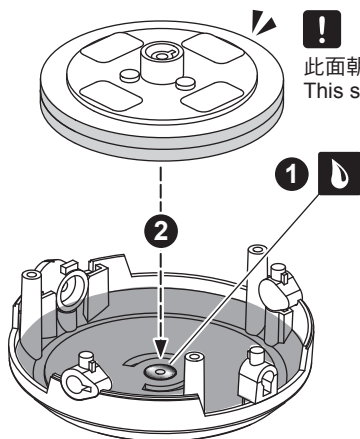
C11

C13

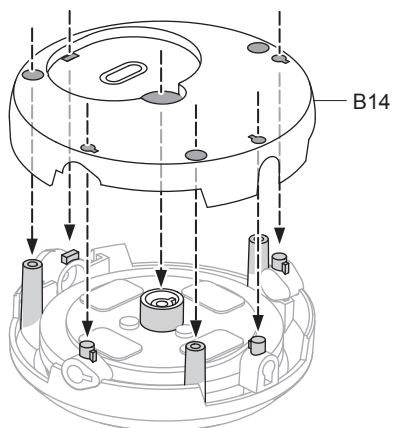
A5



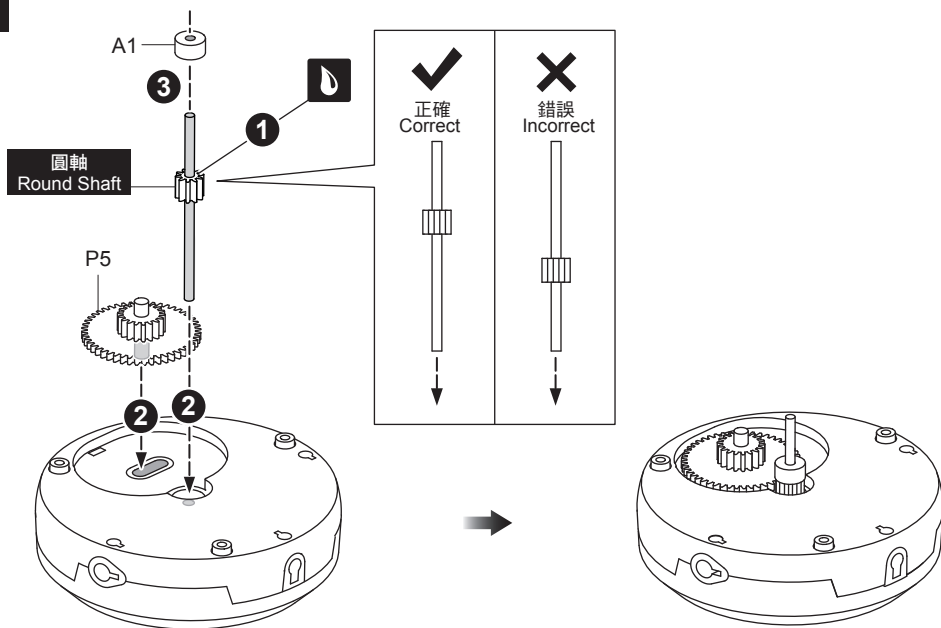
此面朝上
This side faces up.



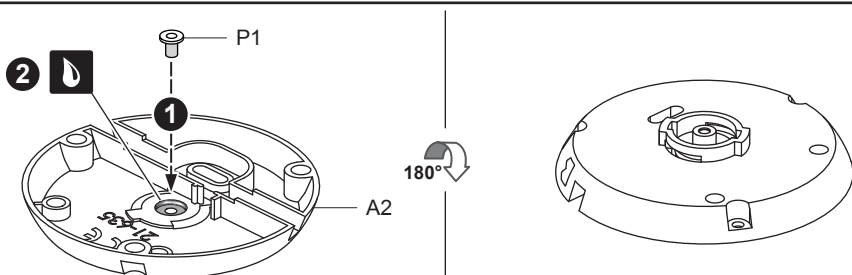
5



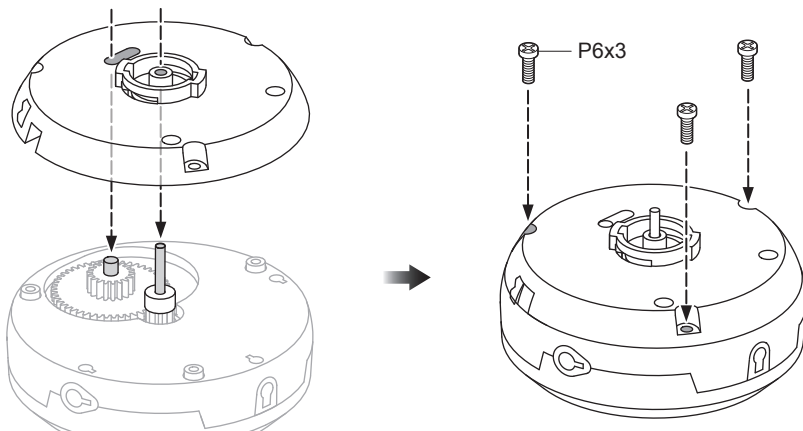
6



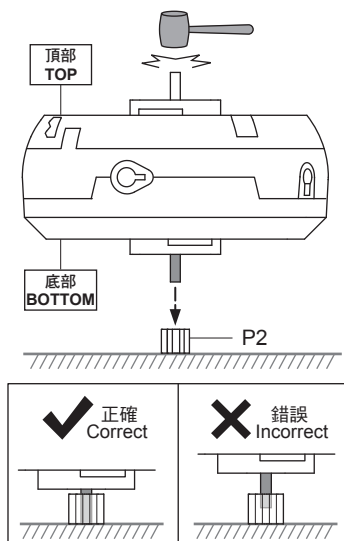
7



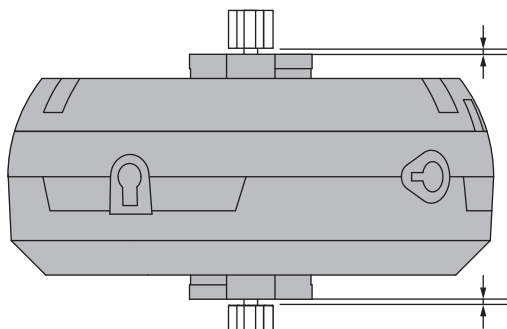
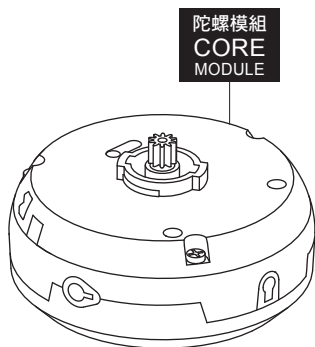
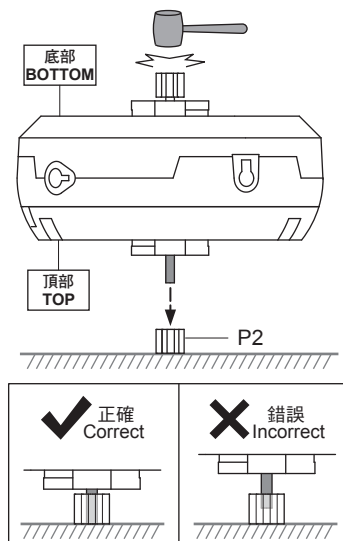
8



9



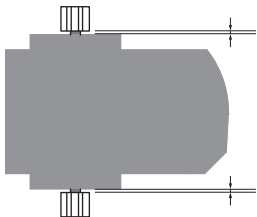
180°



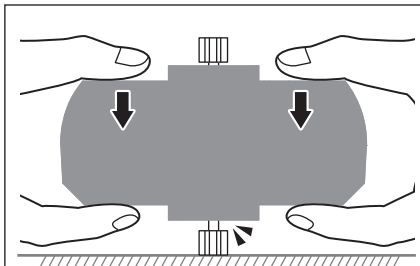
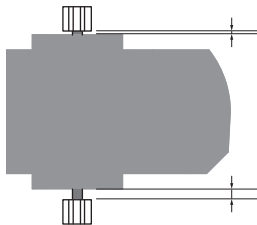
距離頂端和底端的間隙必須一樣

The gap lengths of the both sides should be the same.

✓ 正確
Correct



✗ 錯誤
Incorrect

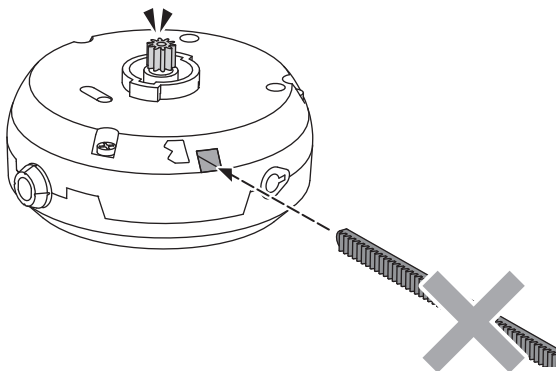
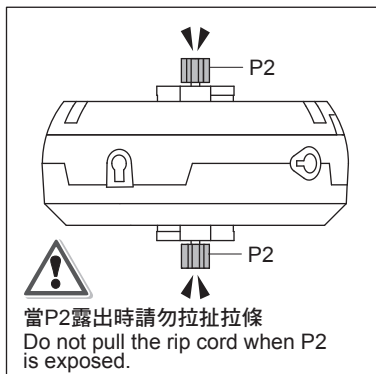


! 往下壓使兩端與P2的距離一致
Press down the body to make both sides of gap equal length.

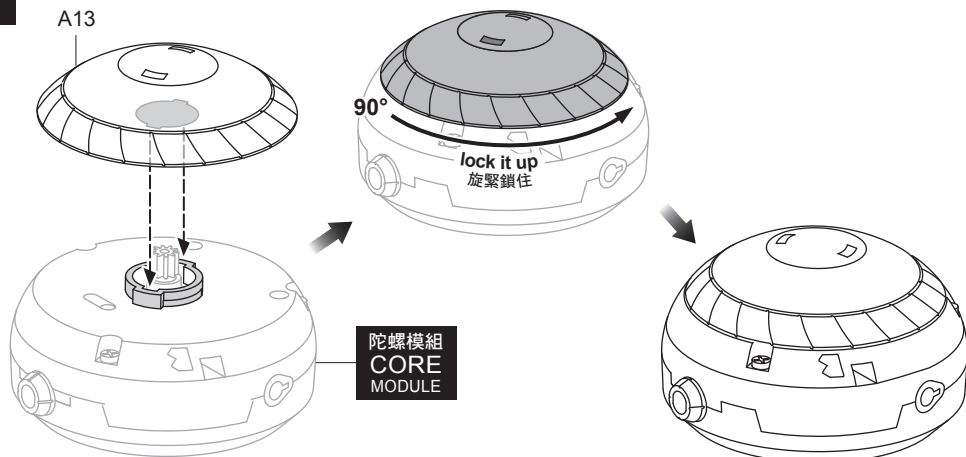
陀螺運轉測試 Core Rotor Functional Testing



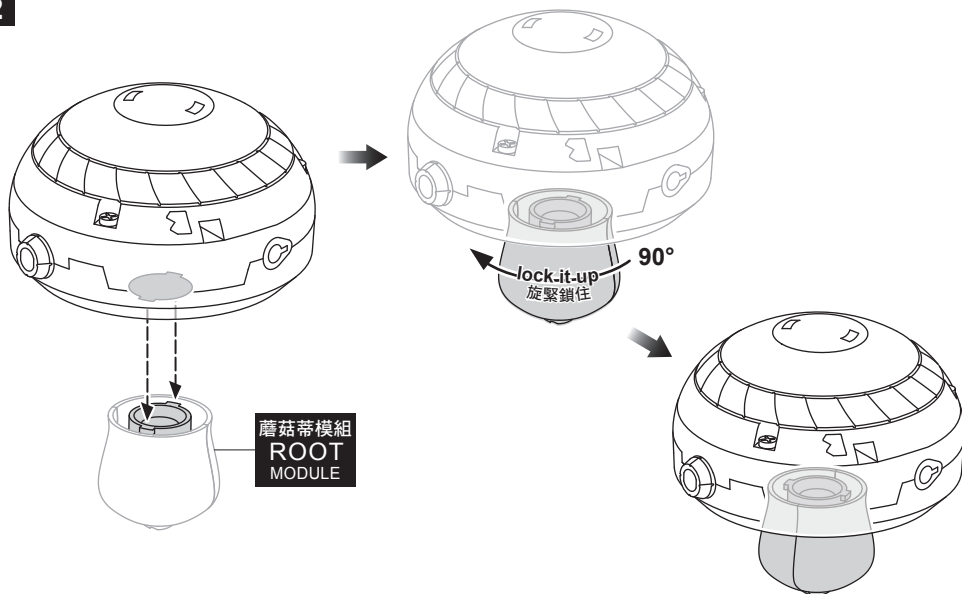
警告 Warning:



1

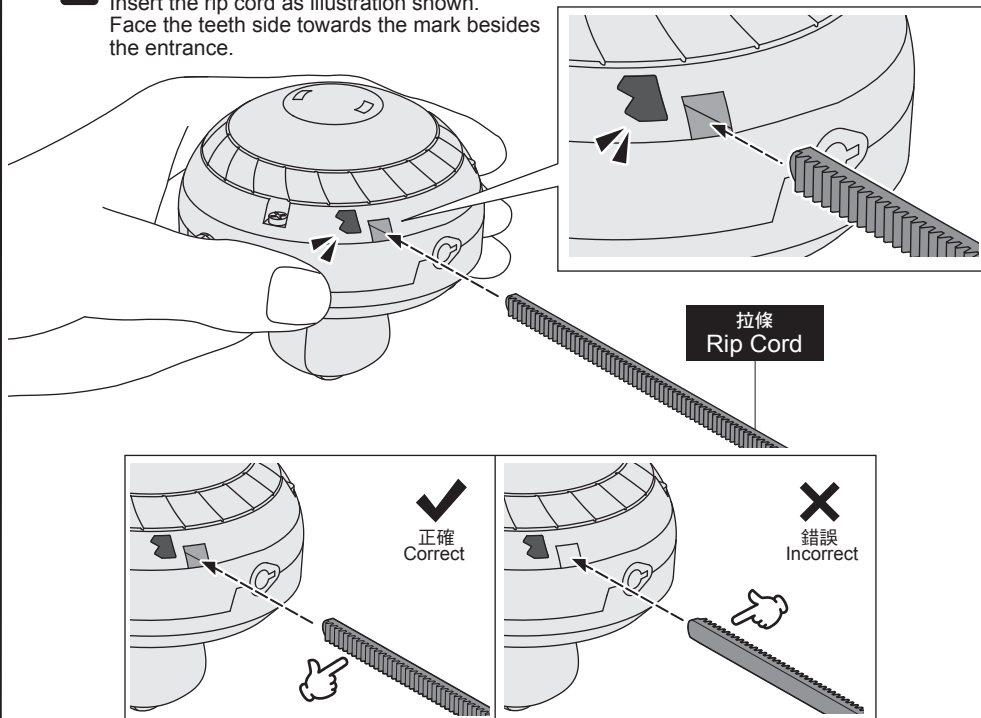


2



3

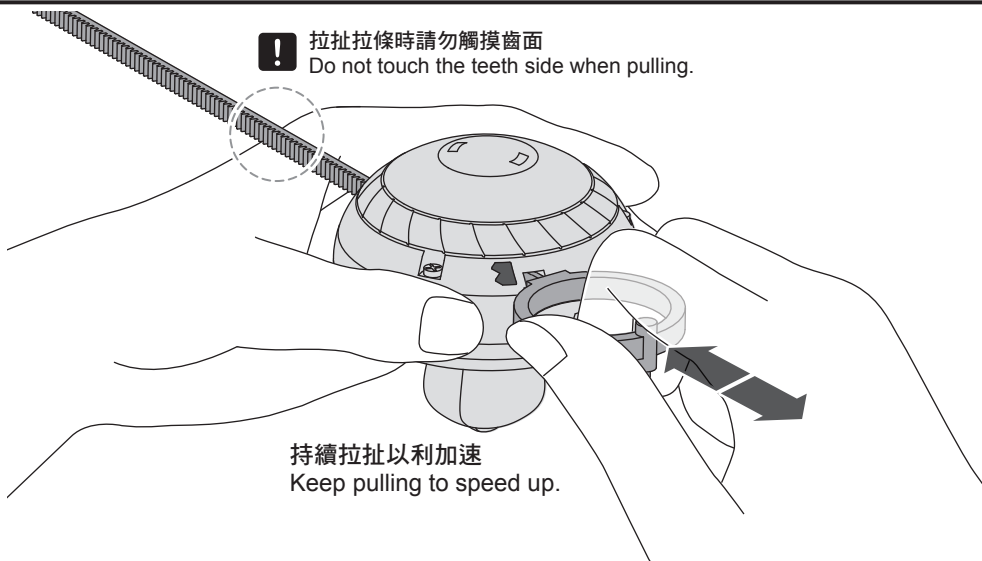
- !** 將拉條如圖示插入。將齒面朝向洞口標示處
Insert the rip cord as illustration shown. Face the teeth side towards the mark besides the entrance.





拉扯拉條時請勿觸摸齒面

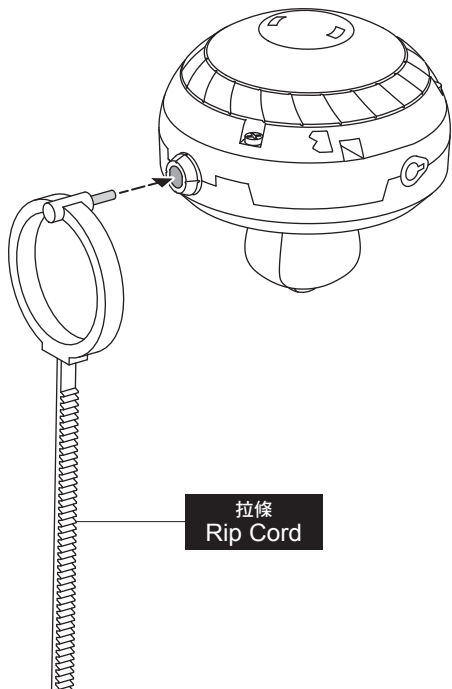
Do not touch the teeth side when pulling.



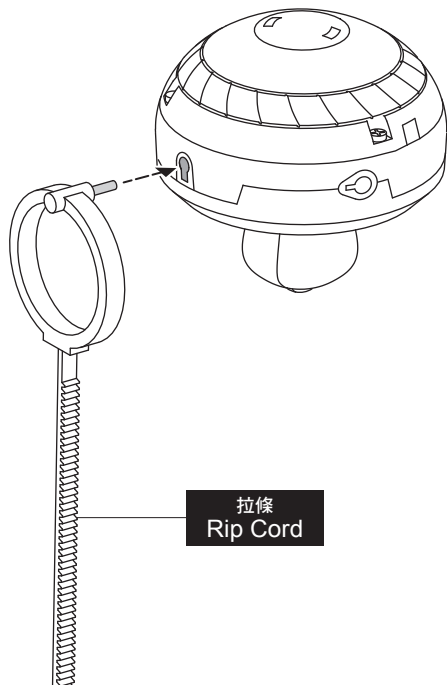
持續拉扯以利加速
Keep pulling to speed up.

停止測試 Stop the Testing

將鐵桿插入洞中，停止陀螺轉動 Put the metal rod into the hole on Body to stop the rotor from running.



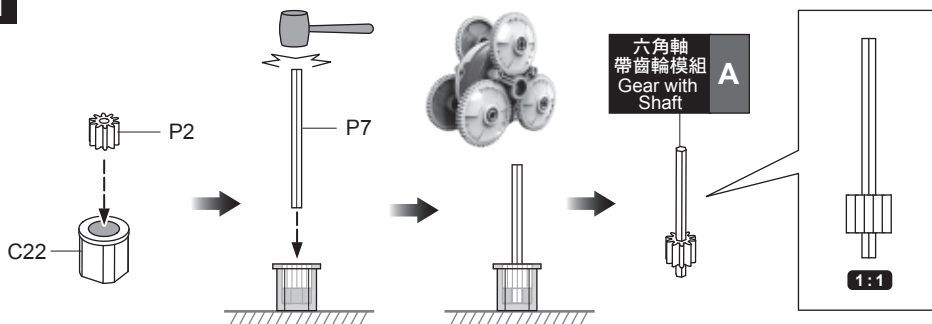
拉條
Rip Cord



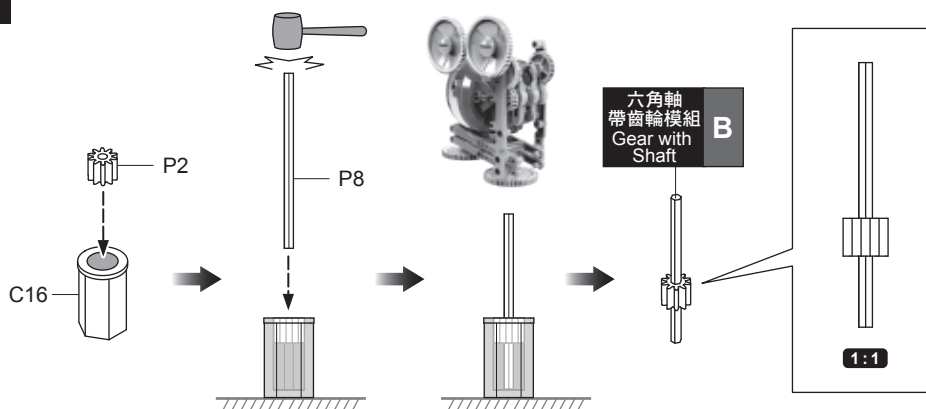
拉條
Rip Cord

齒輪箱組裝 Gear Box Module Assembly

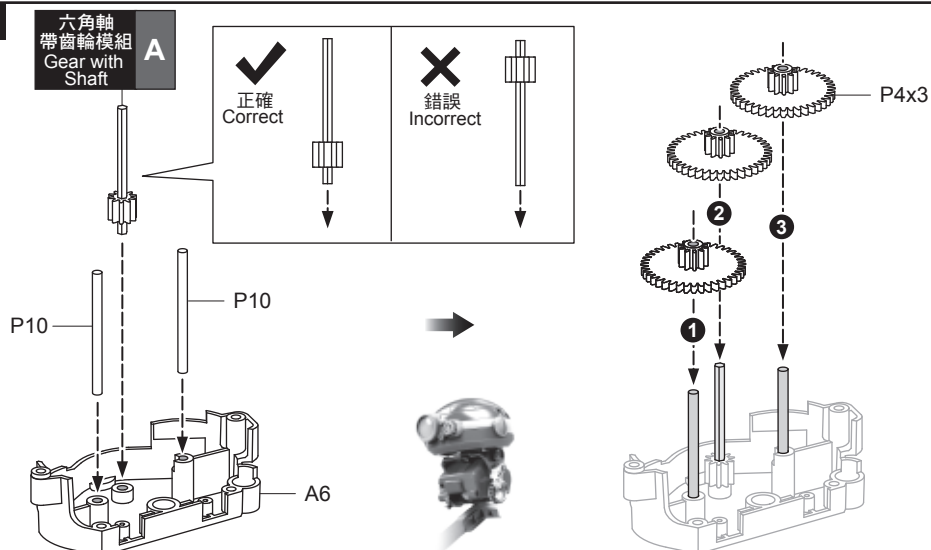
1



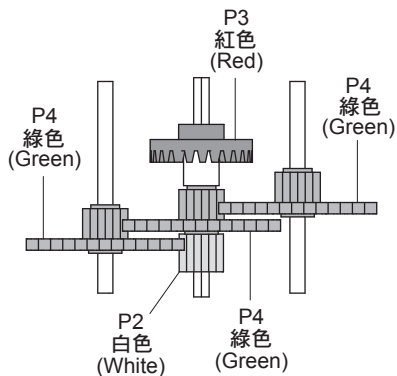
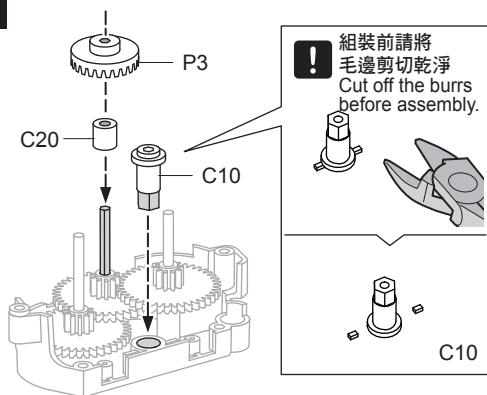
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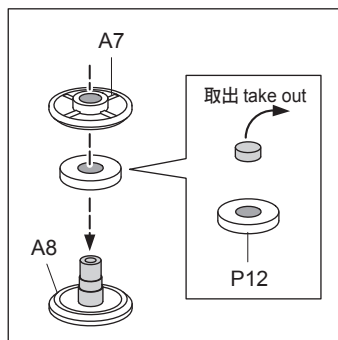
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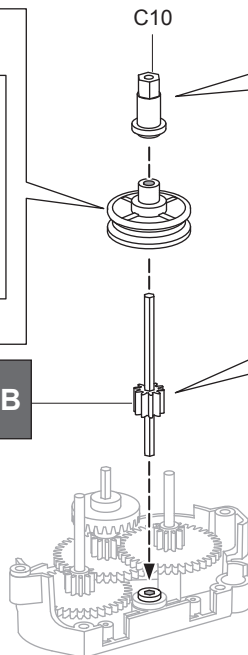
4



5



六角軸
帶齒輪模組
Gear with
Shaft



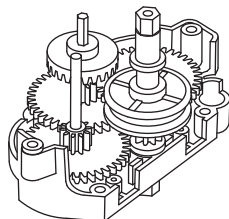
組裝前請將毛邊剪切乾淨
Cut off the burrs before assembly.

C10

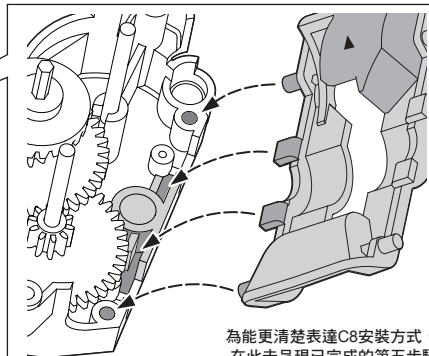
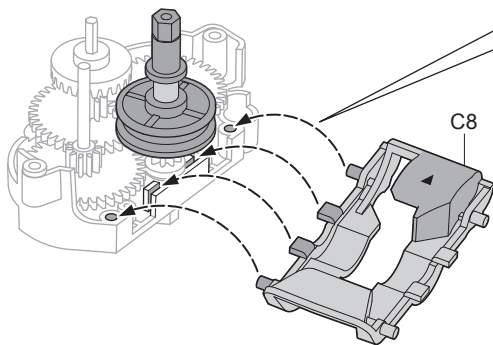
✓
正確
Correct



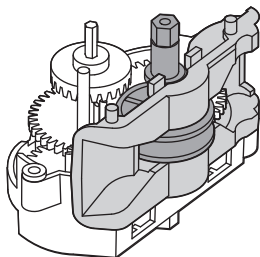
✗
錯誤
Incorrect



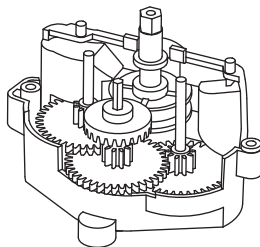
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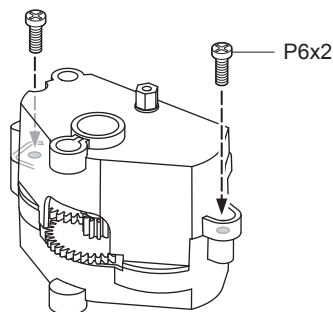
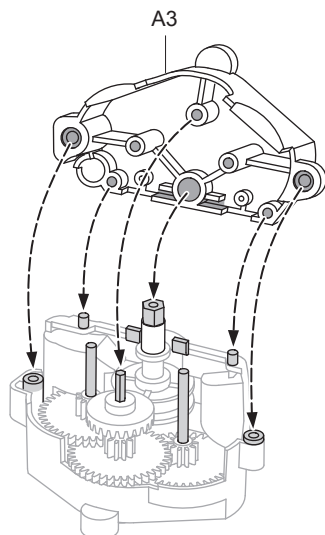
為能更清楚表達C8安裝方式，
在此未呈現已完成的第五步驟
For better understanding of how C8 is assembled,
the finished Step 5 is omitted in the illustration.



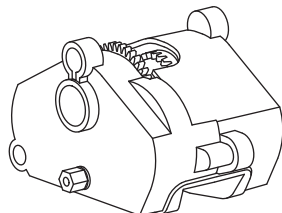
90°

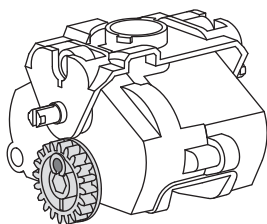
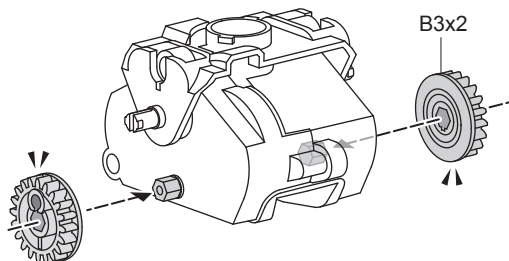
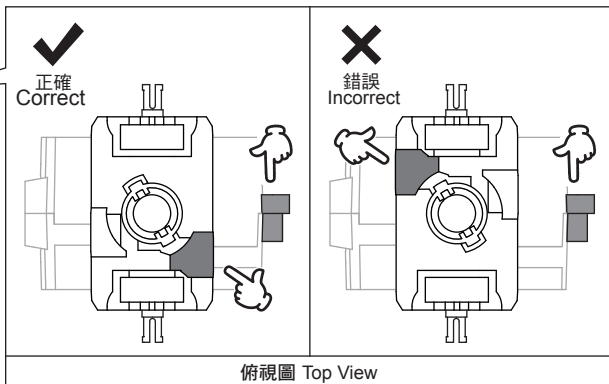
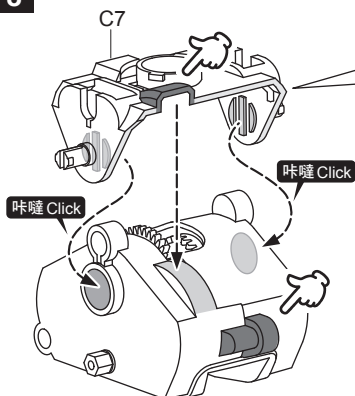


7

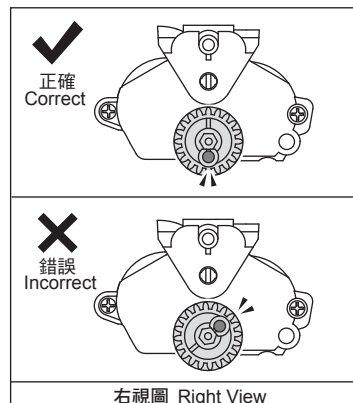
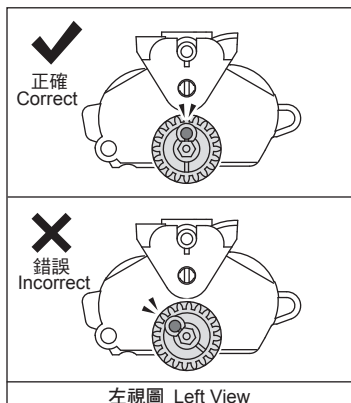
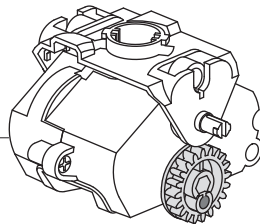


90°



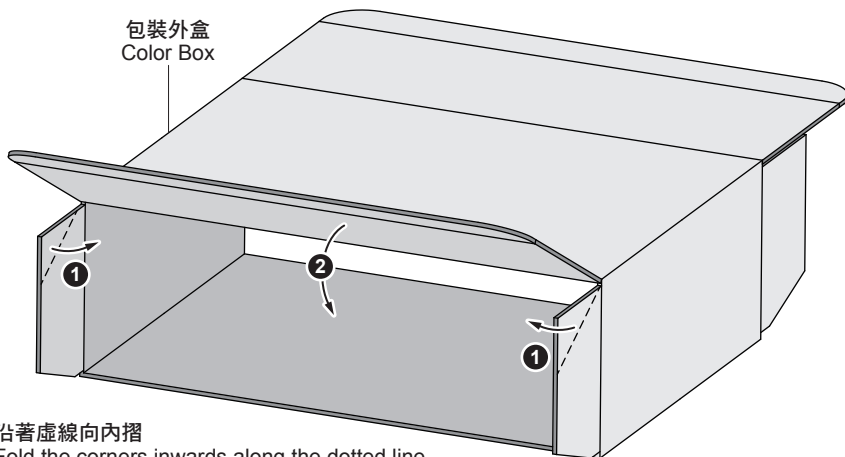


齒輪箱模組
GEAR BOX
MODULE



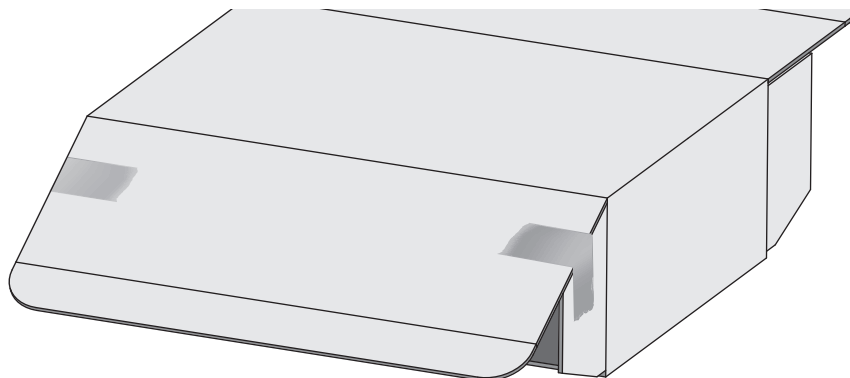
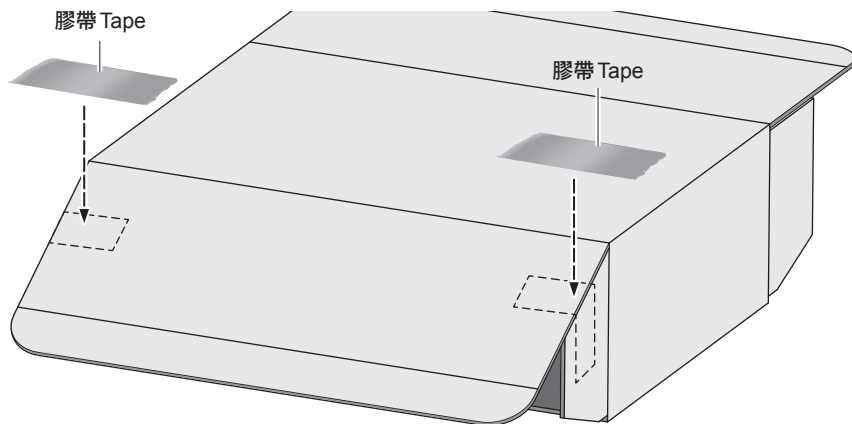
1

包裝外盒
Color Box

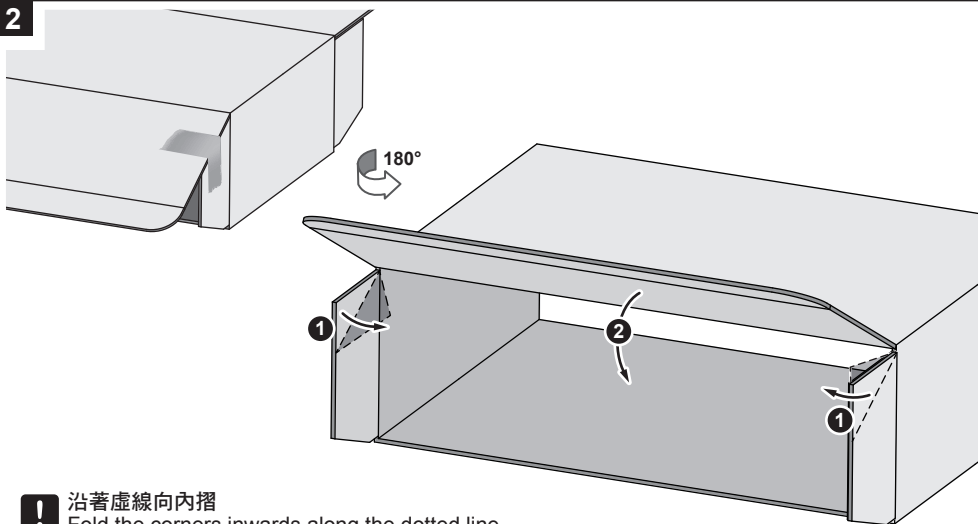


! 沿著虛線向內摺
Fold the corners inwards along the dotted line.

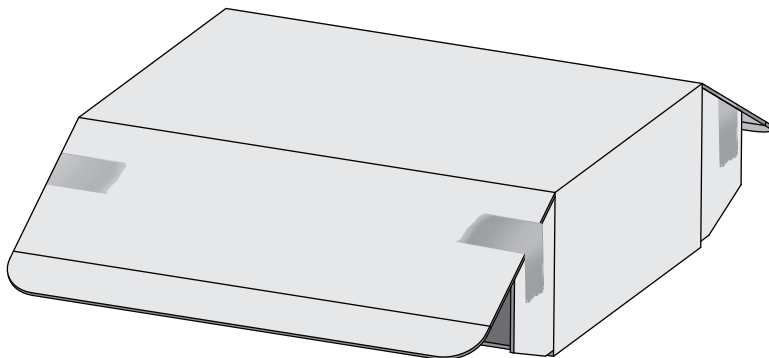
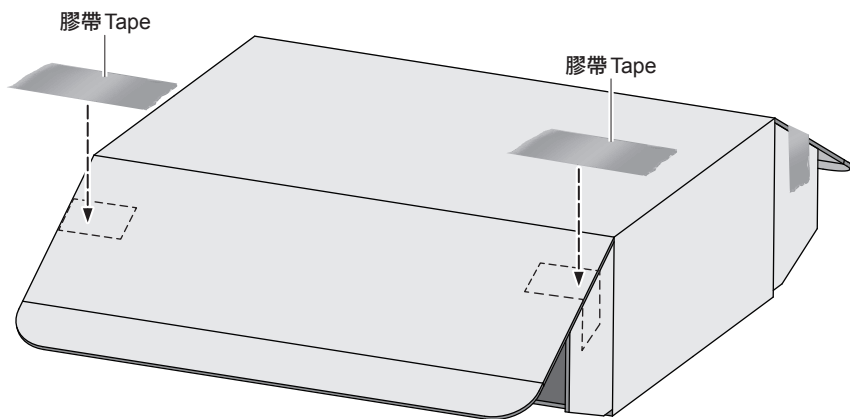
膠帶 Tape



2



! 沿著虛線向內摺
Fold the corners inwards along the dotted line.



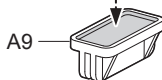
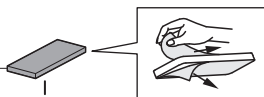
3

P14 泡棉貼 Sponge

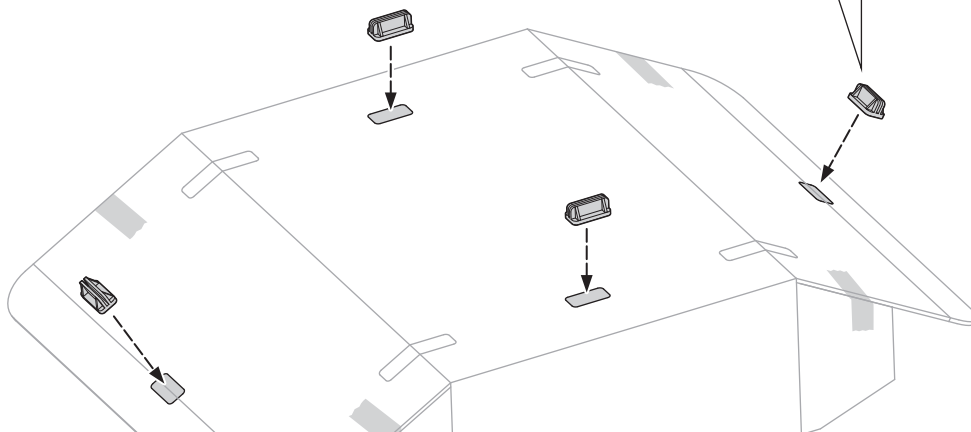


P14 2

A9



x4



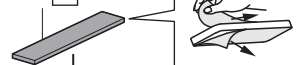
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P14 泡棉貼 Sponge

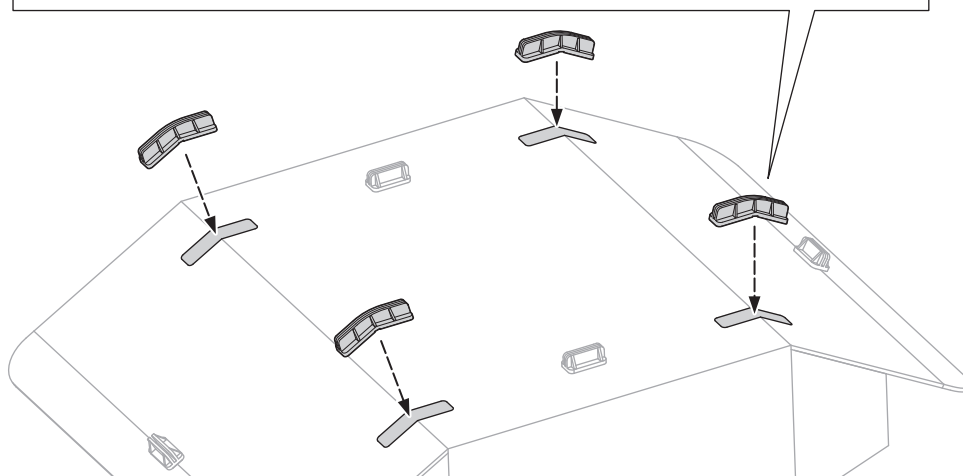


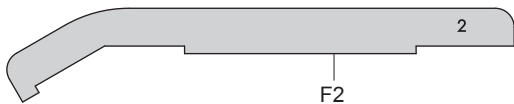
P14 1

A11

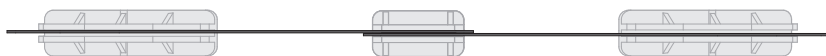
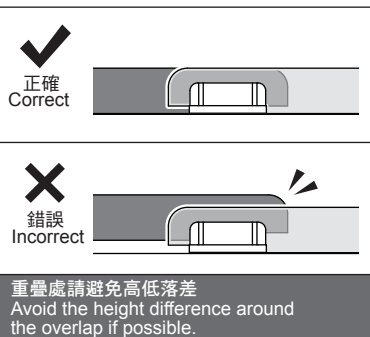
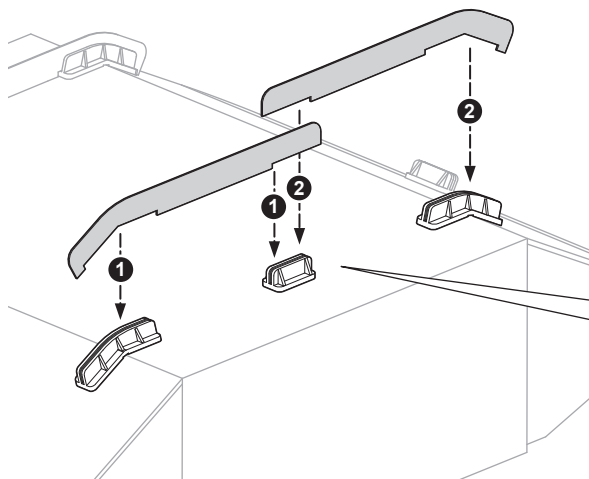
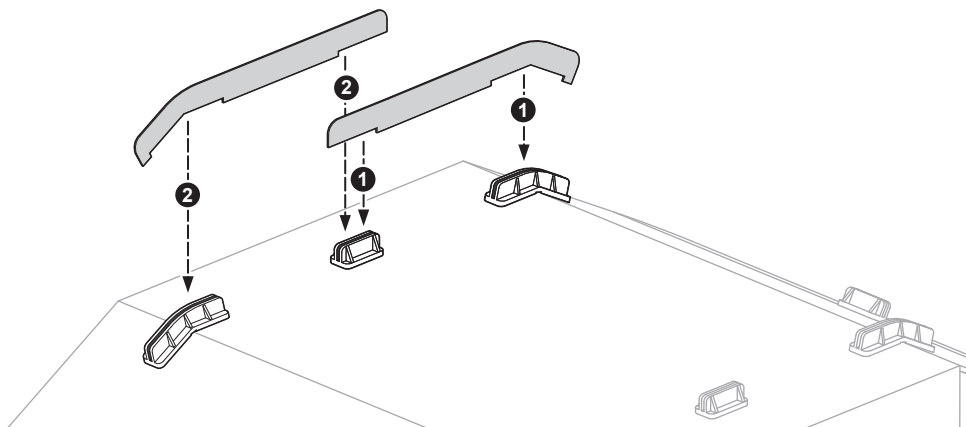


x4





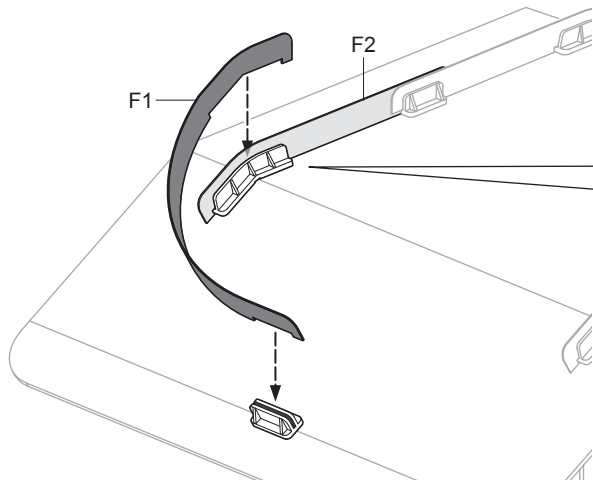
x4



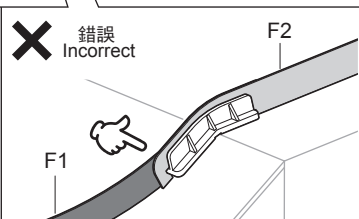
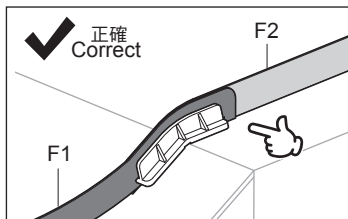
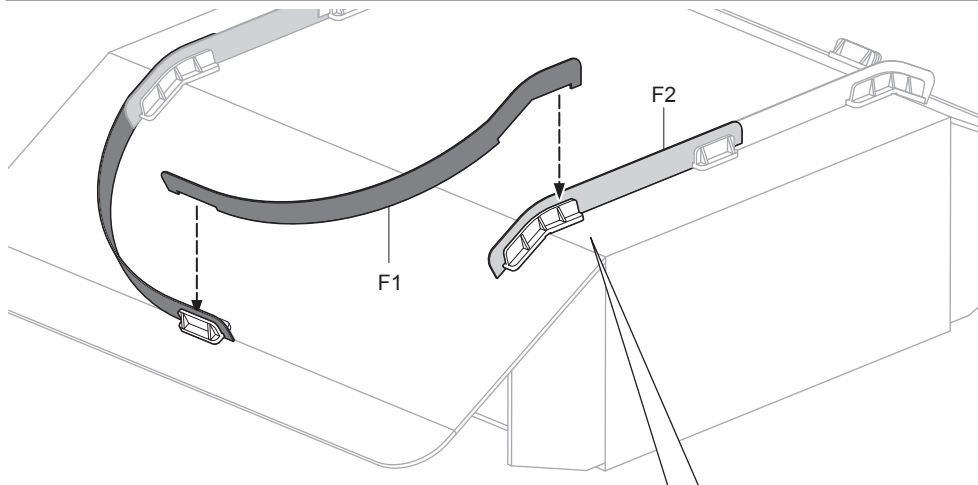
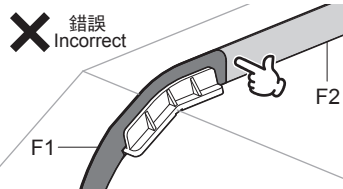
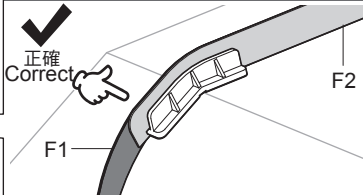
請避免尾端曲折 Try your best to prevent the ends from puckering up.



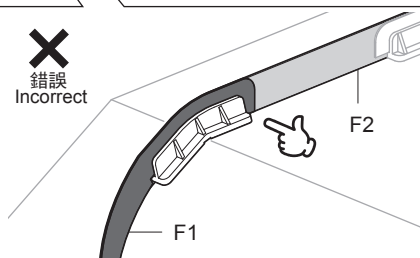
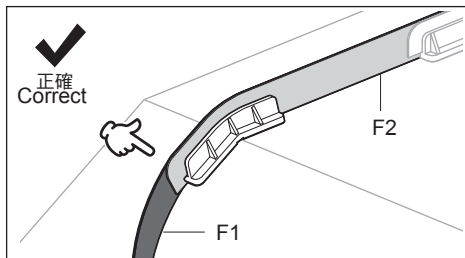
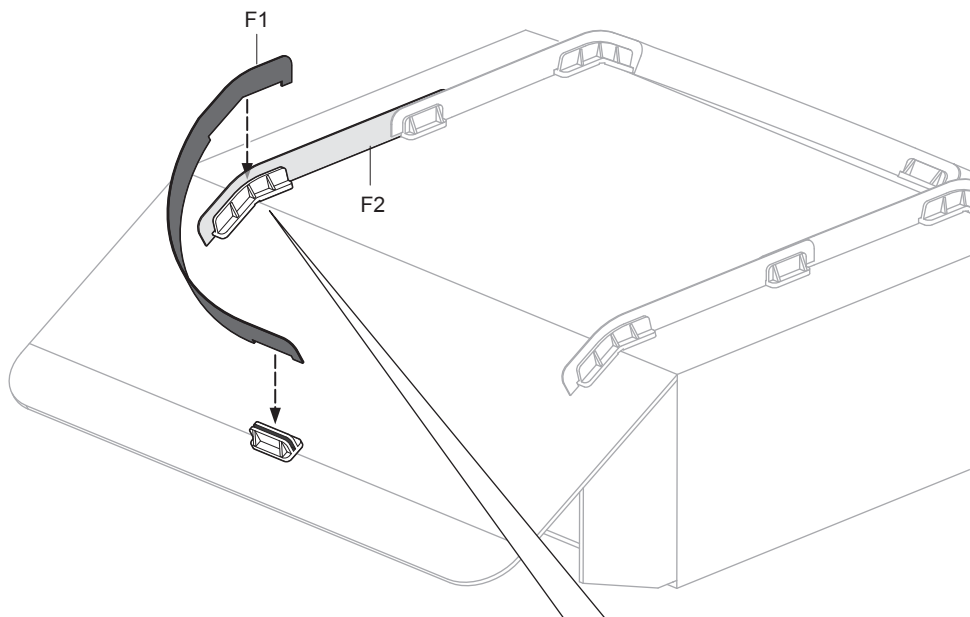
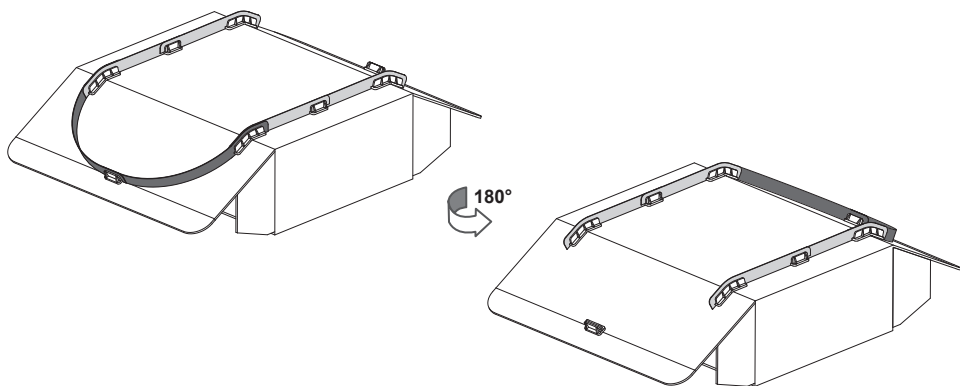
x4



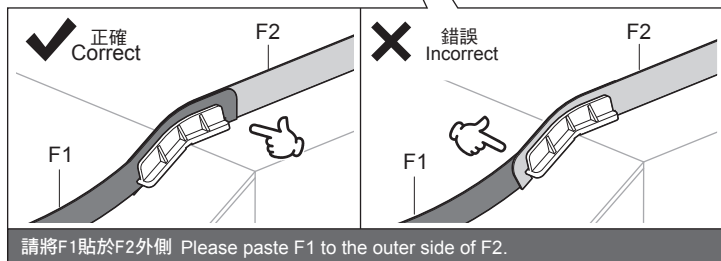
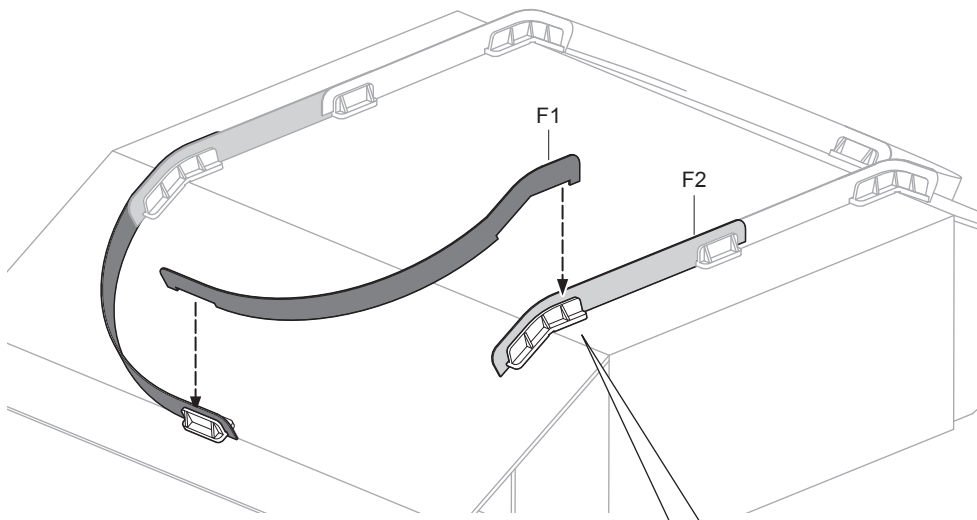
請將F1貼於F2外側
Please paste F1 to the outer side of F2.



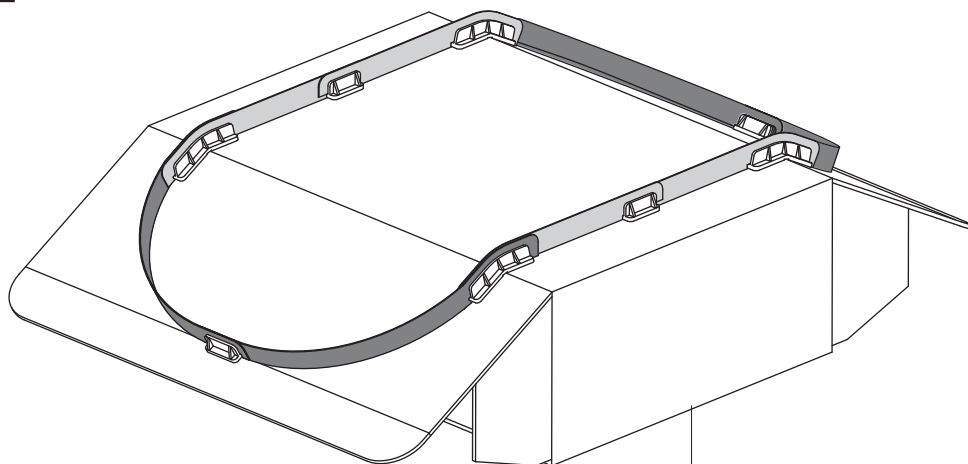
請將F1貼於F2外側 Please paste F1 to the outer side of F2.



請將F1貼於F2外側 Please paste F1 to the outer side of F2.



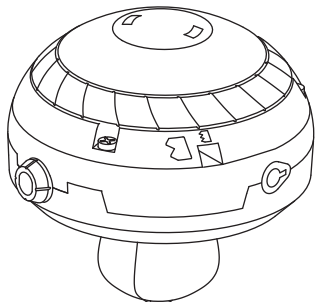
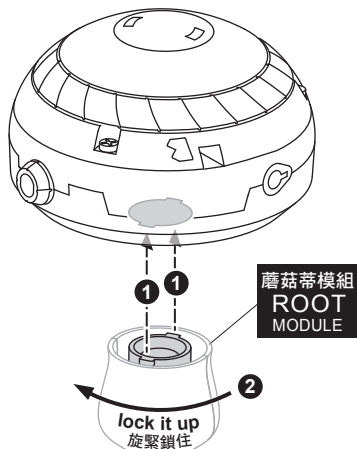
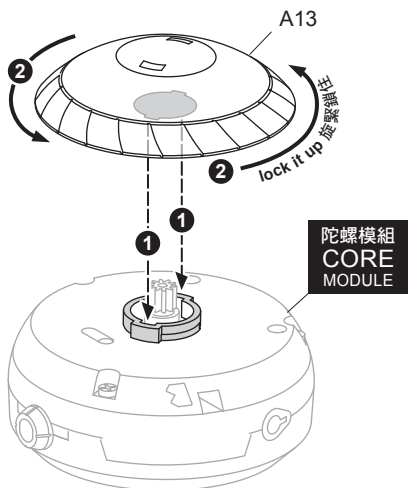
7



軌道模組
TRACK
MODULE

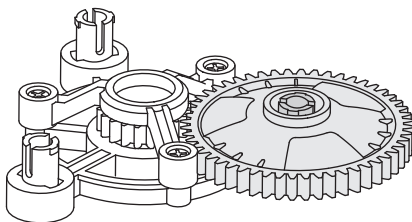
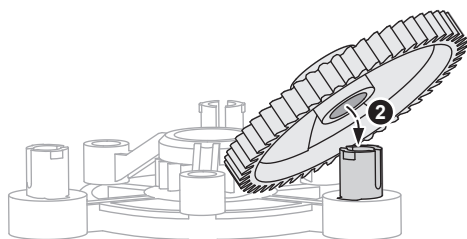
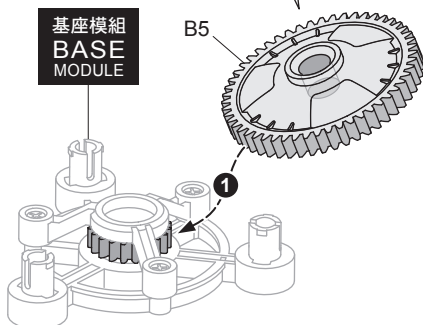
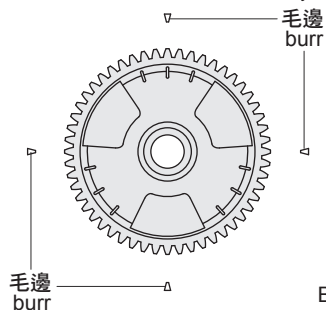
01戰鬥蘑菇組裝 Mech-Mushroom Assembly

1

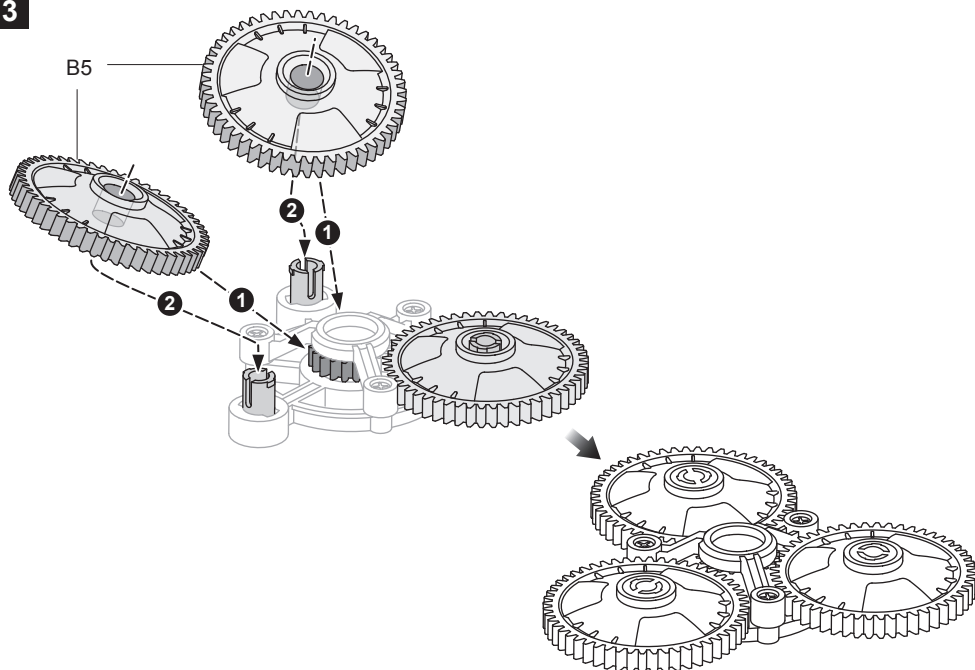


2

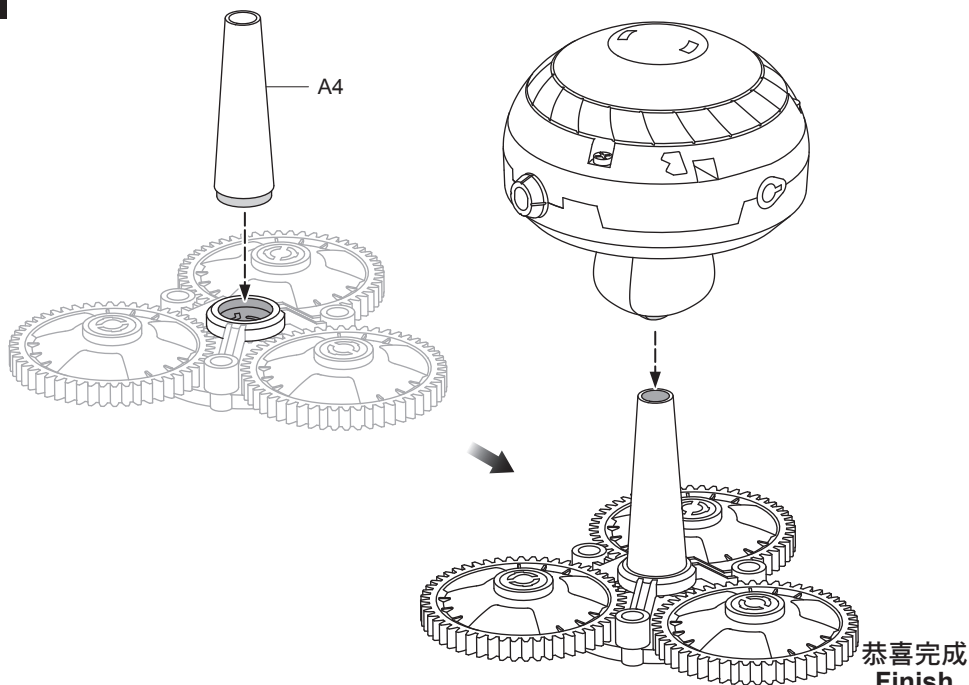
! 組裝前請將毛邊剪切乾淨
Cut off the burrs before assembly.



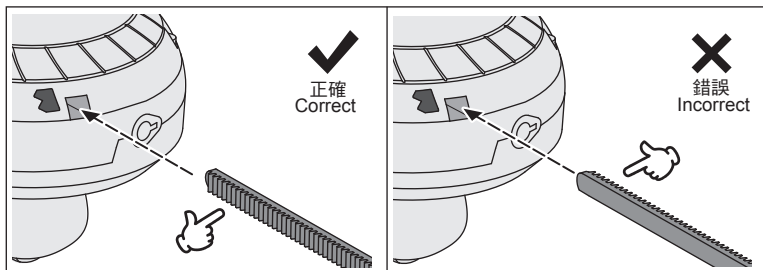
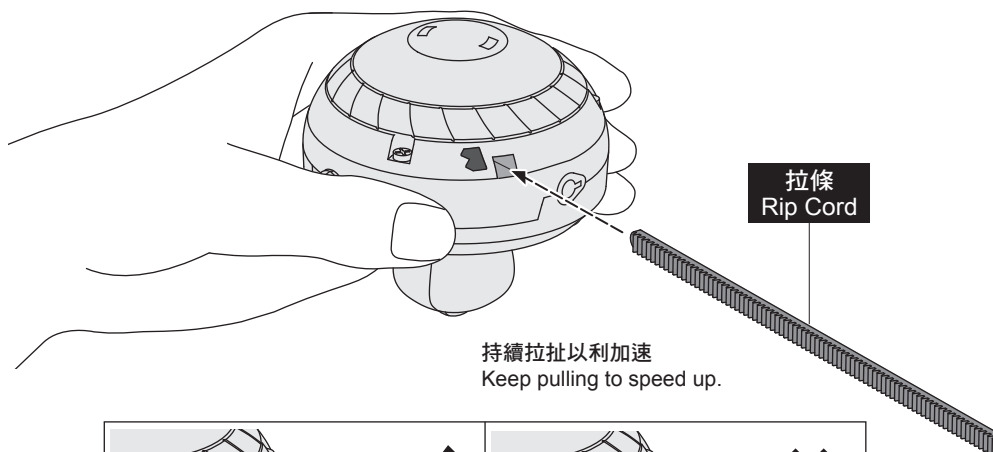
3



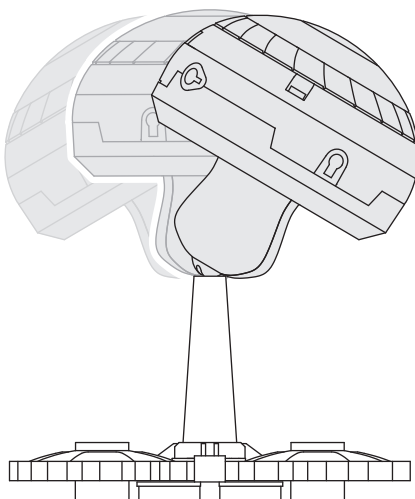
4



遊戲方式 How to Play



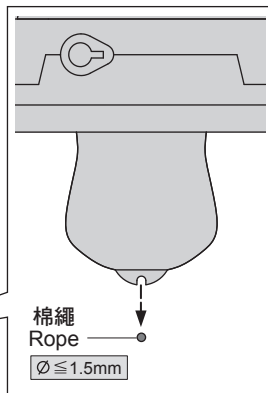
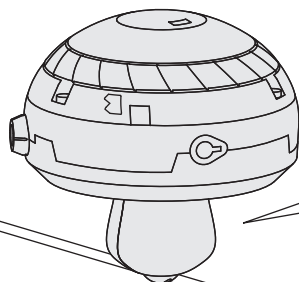
玩法
PLAY
1



建議拉扯次數: 1~5次
Suggest pulling 1~5 times.

玩法
PLAY
2

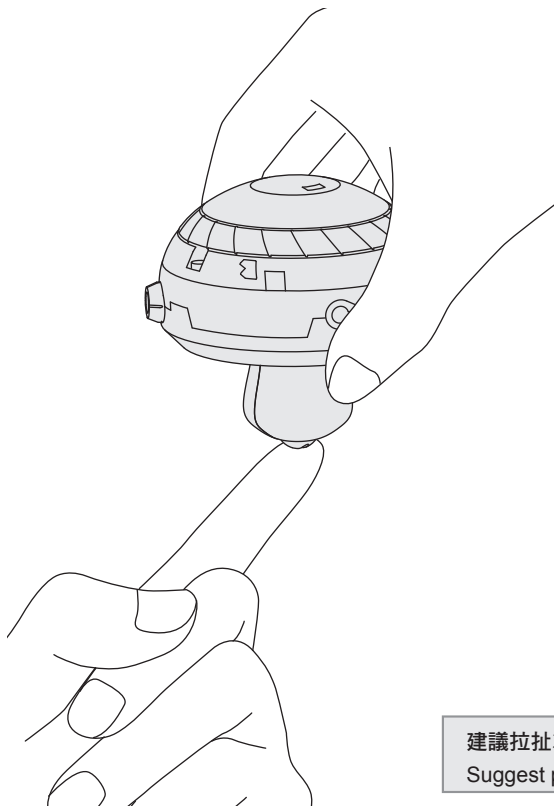
棉繩
Rope



建議拉扯次數: **1~5**次

Suggest pulling **1~5** times.

玩法
PLAY
3

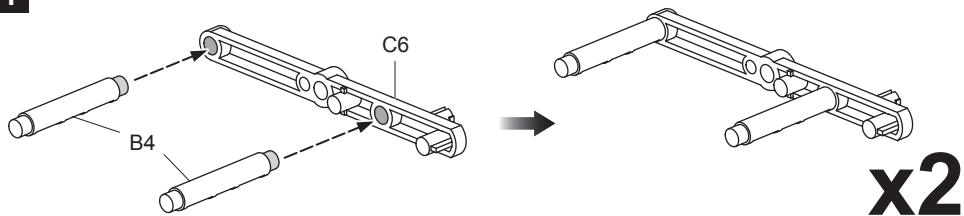


建議拉扯次數: **1~5**次

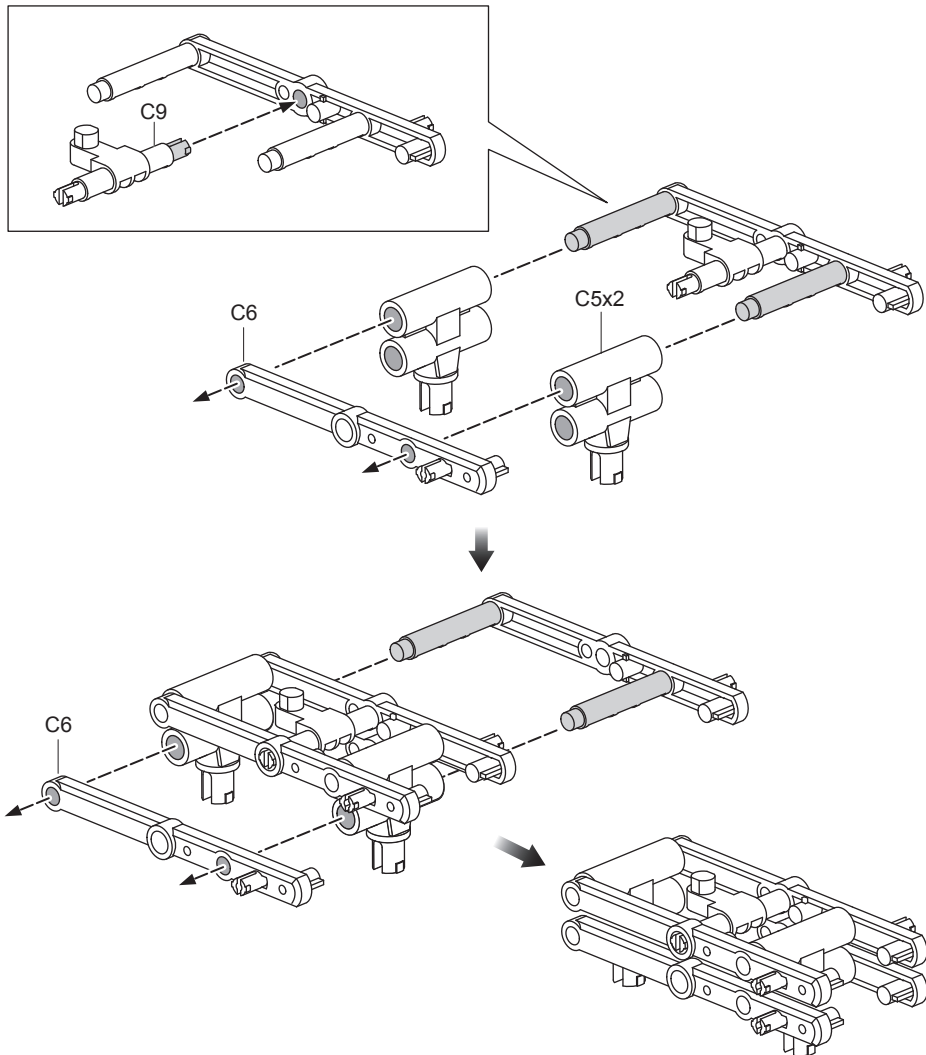
Suggest pulling **1~5** times.

02 搖擺機器人組裝 Robbie Dizzie Assembly

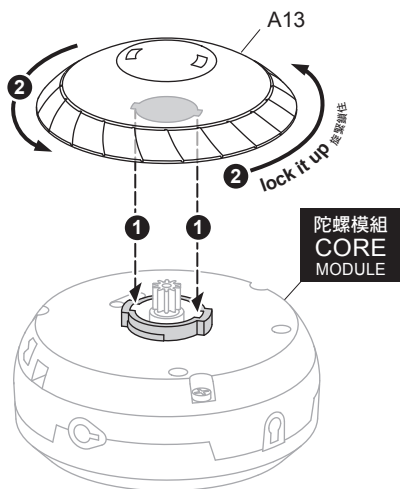
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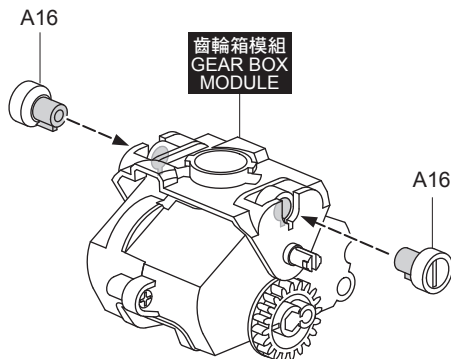
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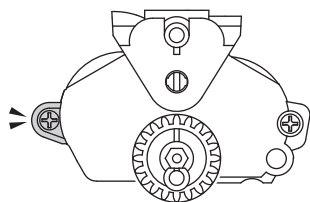
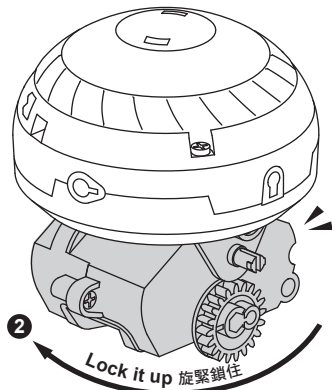
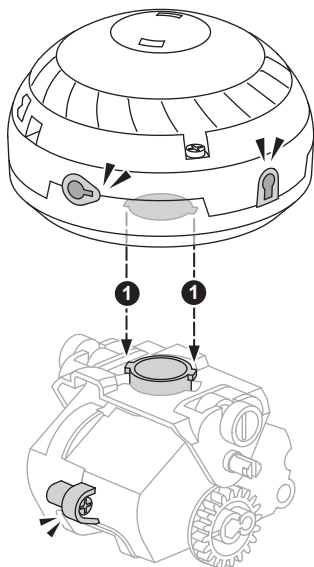
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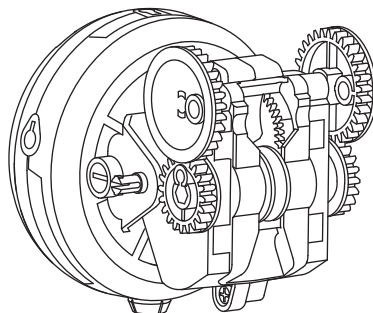
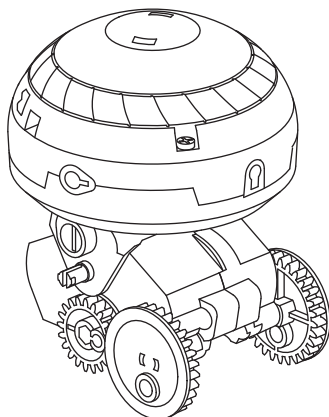
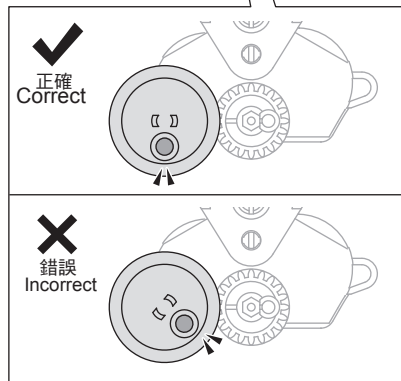
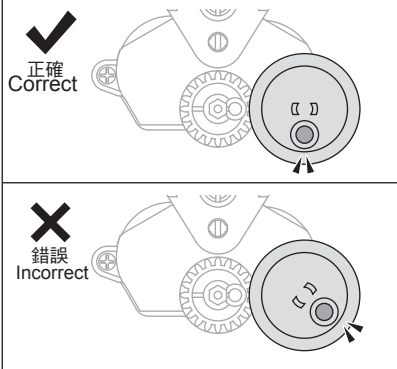
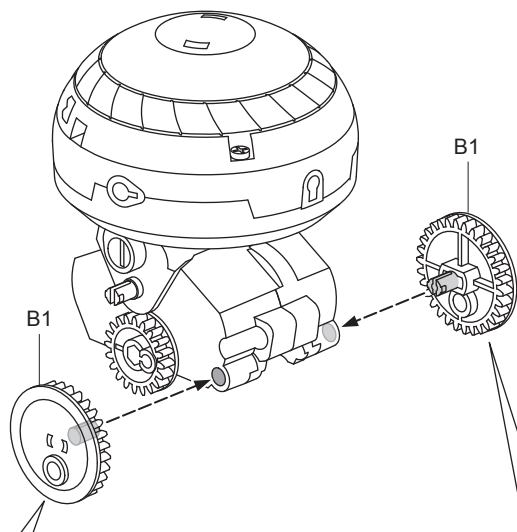
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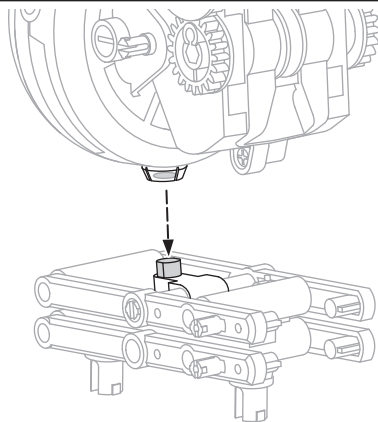
5



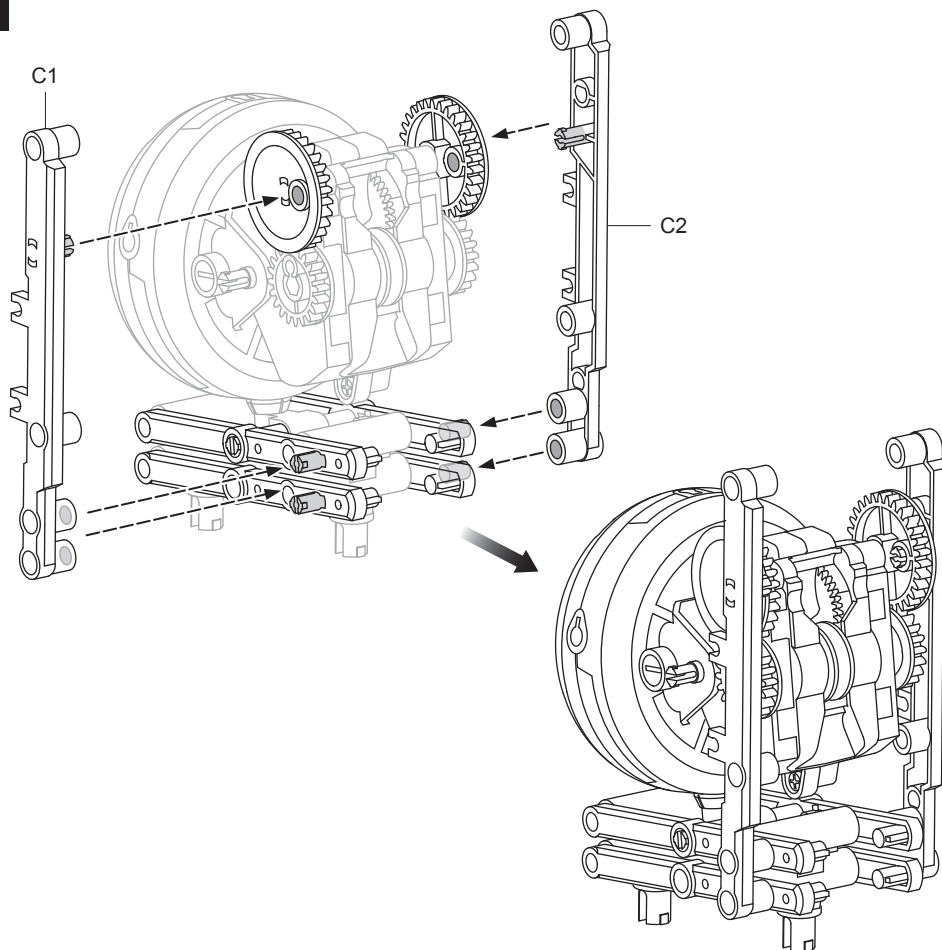
側視圖 Side View



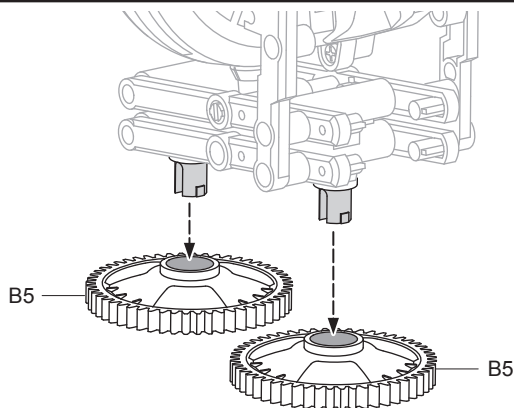
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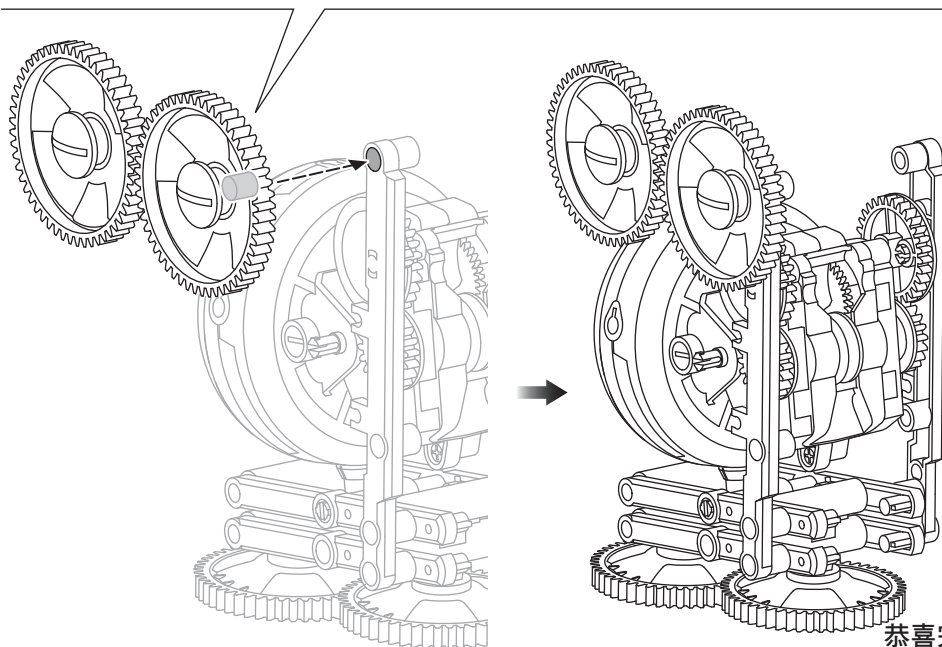
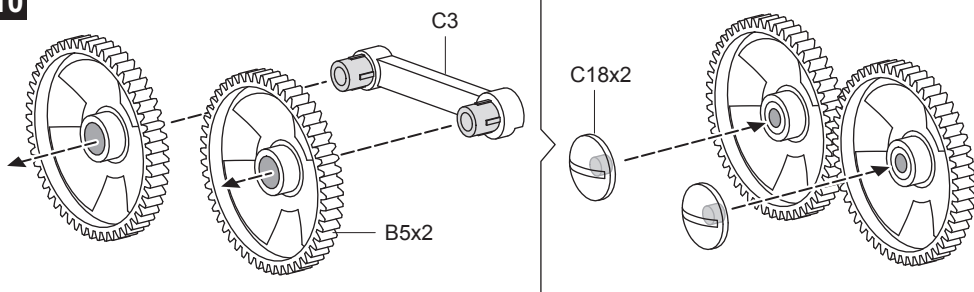
8



9



10



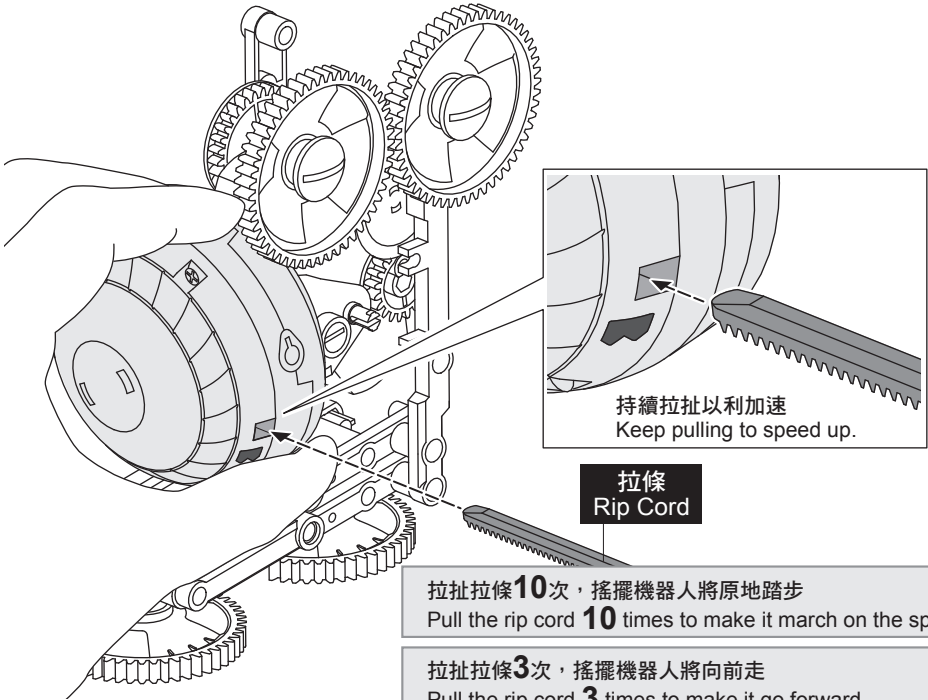
恭喜完成
Finish

遊戲方式 How to Play



請如圖示握持陀螺

Please hold the core module as shown in the illustration.

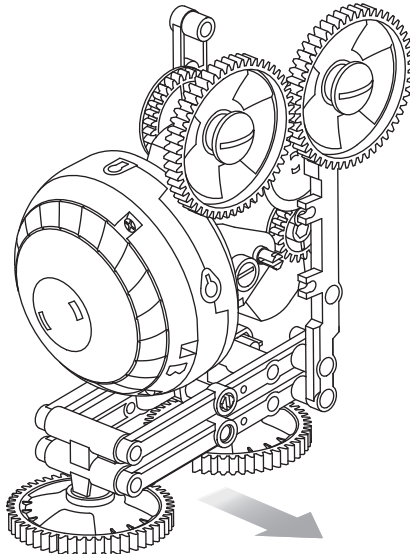


拉拉拉條**10**次，搖擺機器人將原地踏步

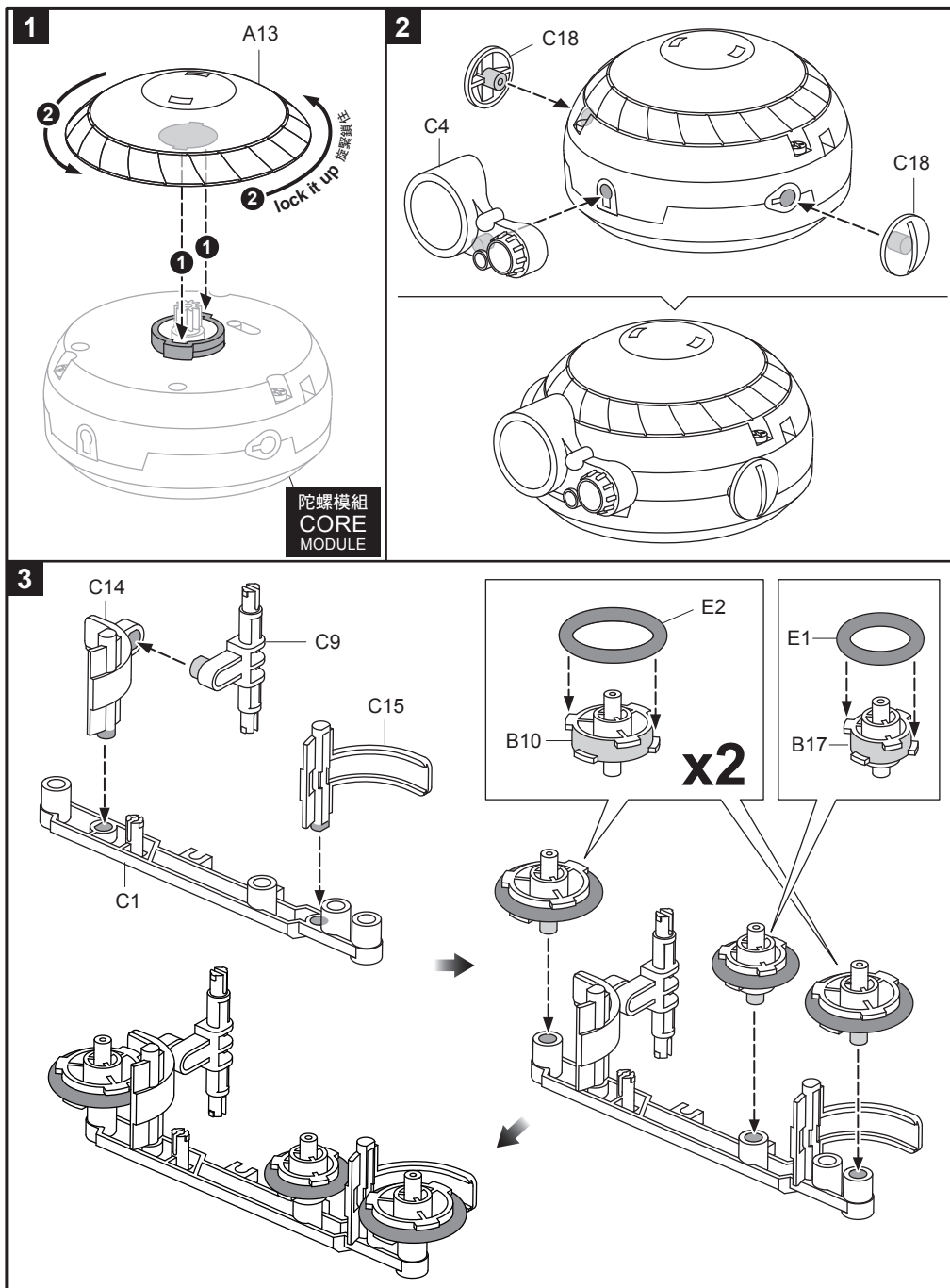
Pull the rip cord **10** times to make it march on the spot.

拉拉拉條**3**次，搖擺機器人將向前走

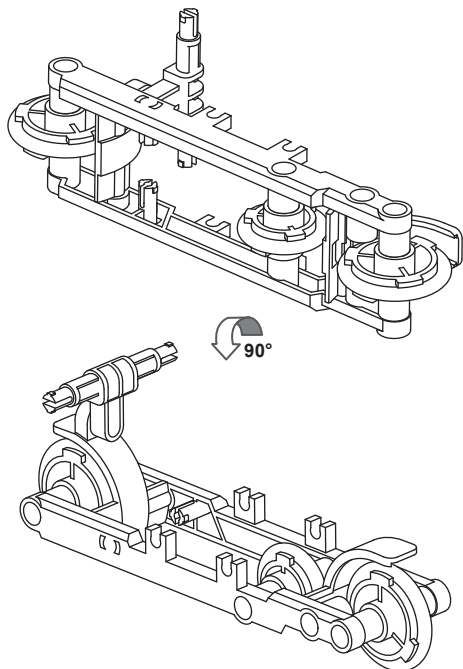
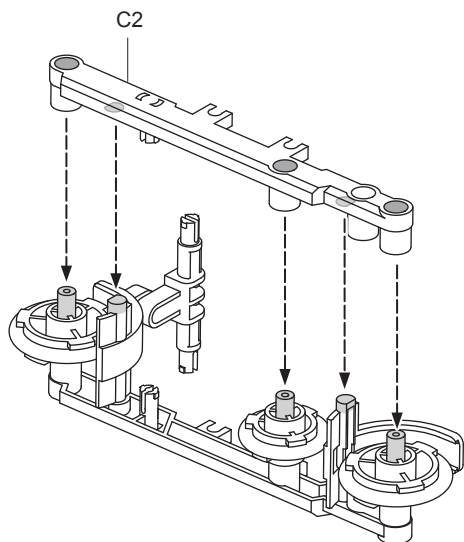
Pull the rip cord **3** times to make it go forward.



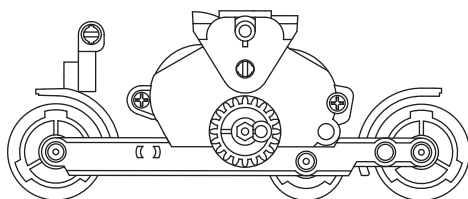
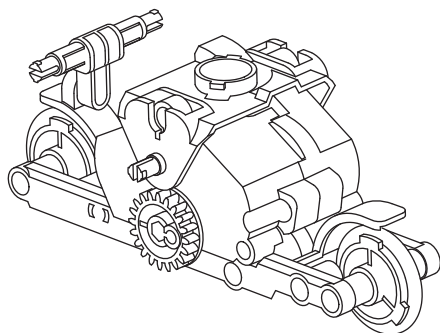
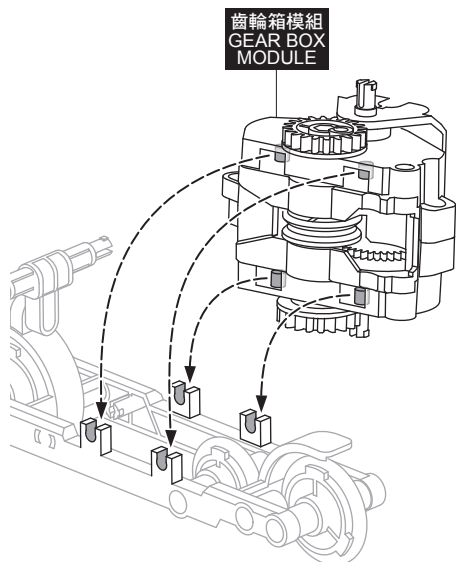
03 單車小騎士組裝 Scooter Rider Assembly



4

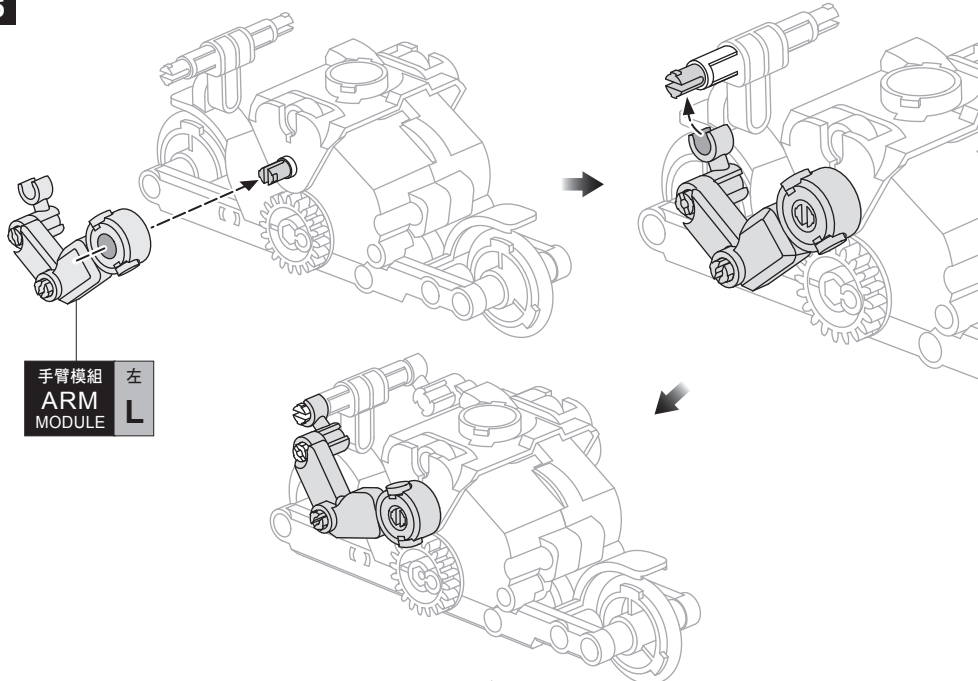


5



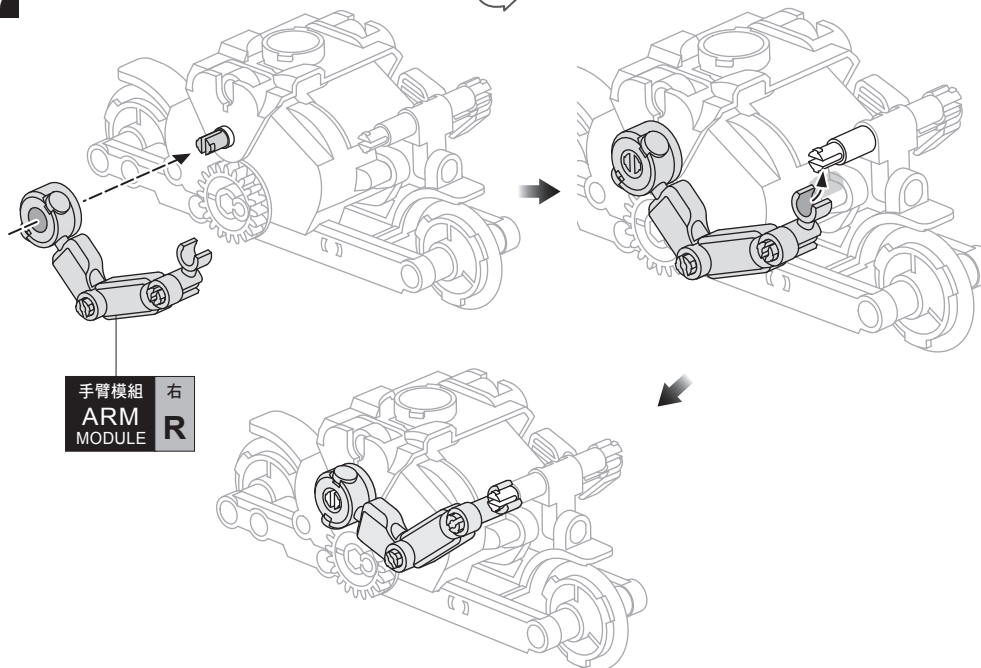
側視圖 Side View

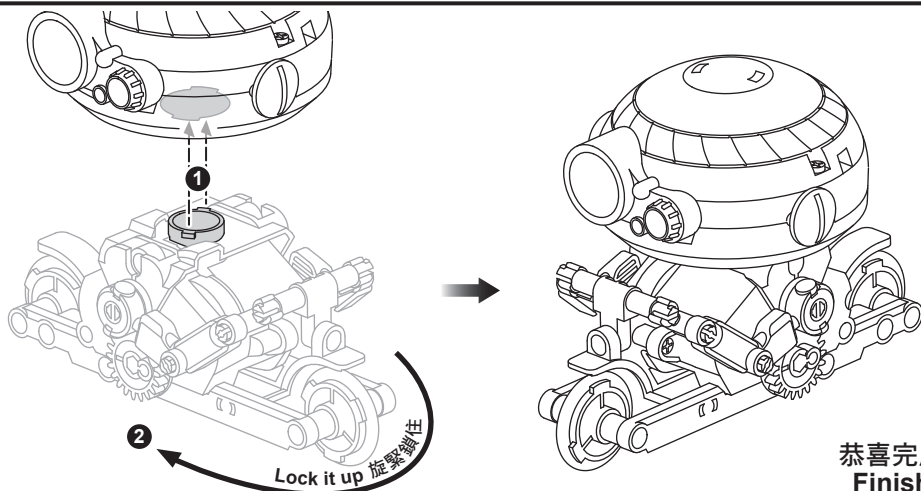
6



7

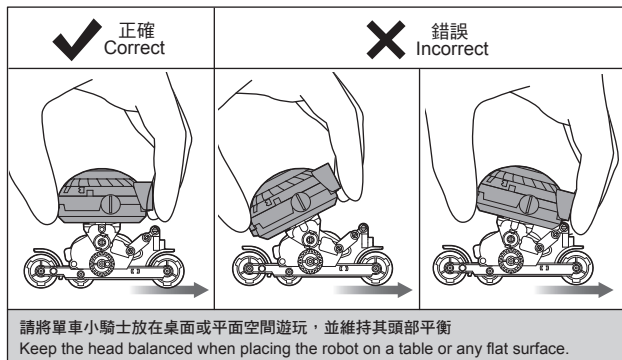
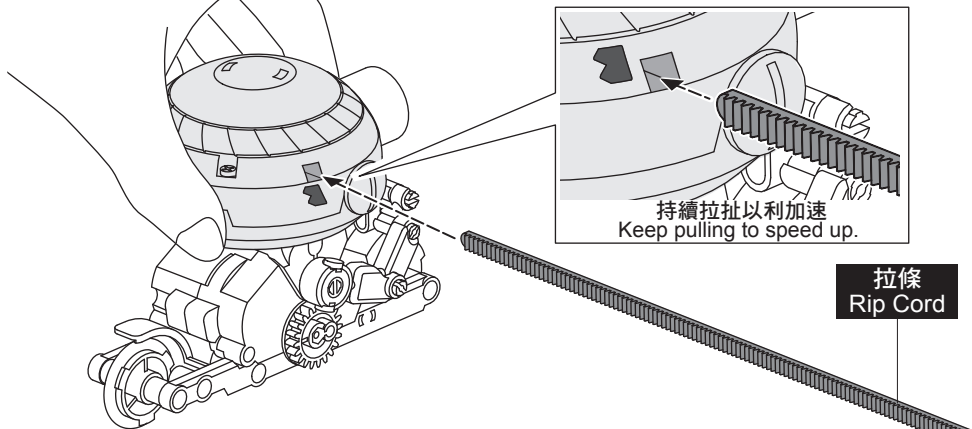
180°





遊戲方式 How to Play

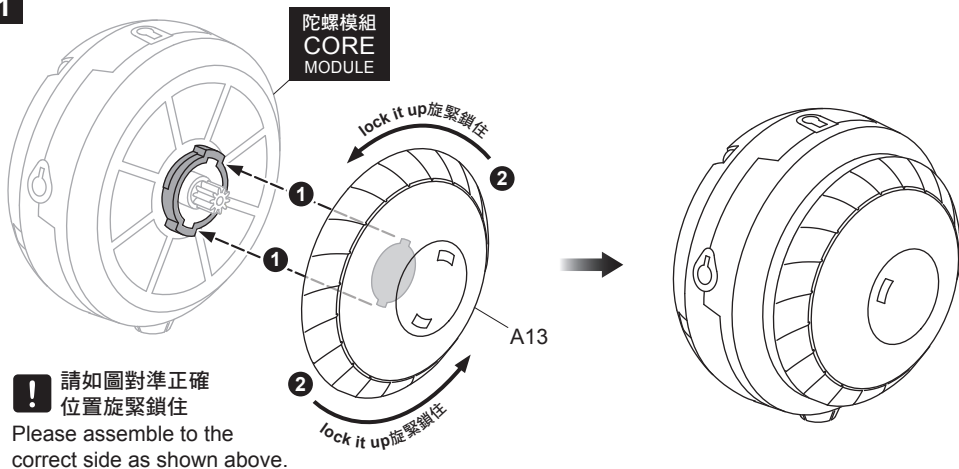
! 請如圖示握持陀螺
Please hold the core module as shown in the illustration.



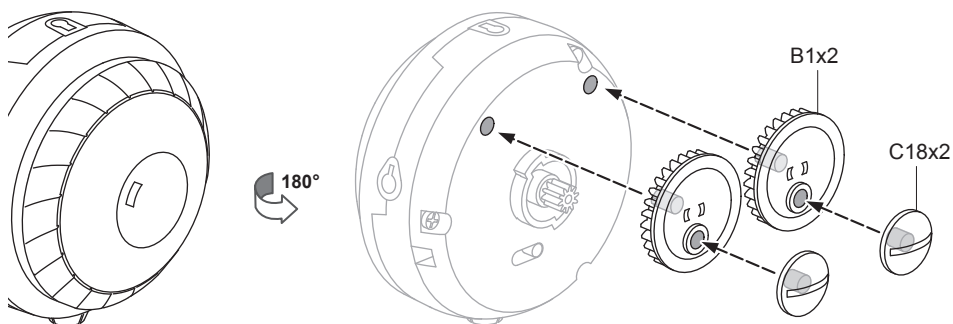
建議拉扯次數: 5~10次
Suggest pulling 5~10 times.

04 高蹺特技人組裝 Stilts-bot Module Assembly

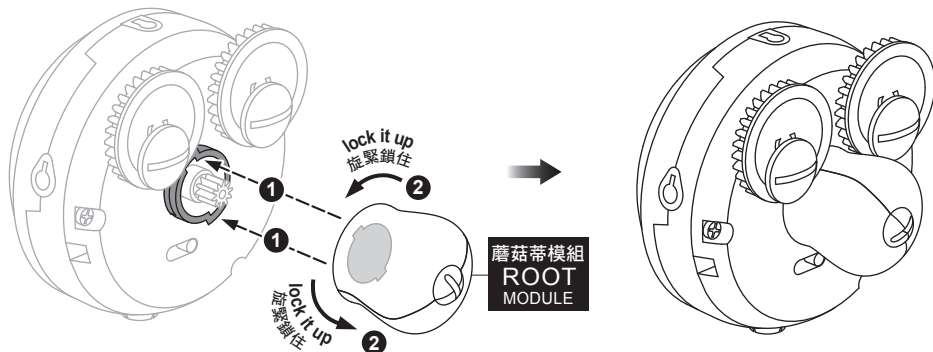
1



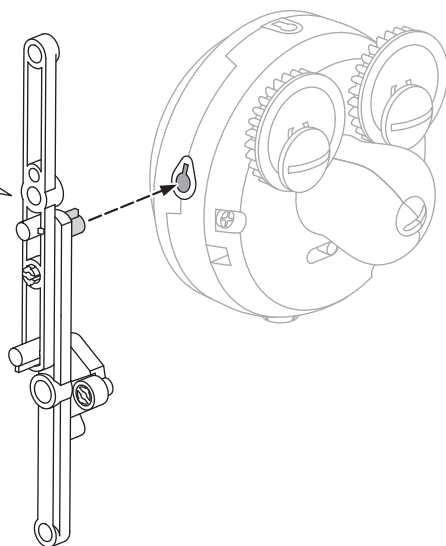
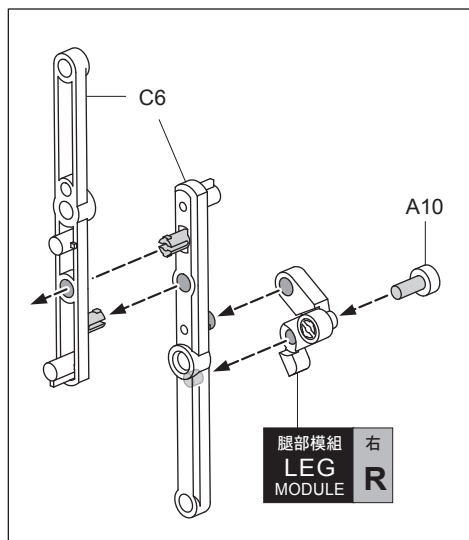
2



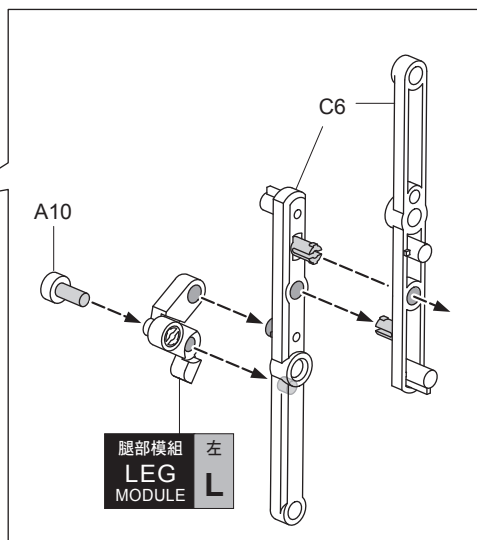
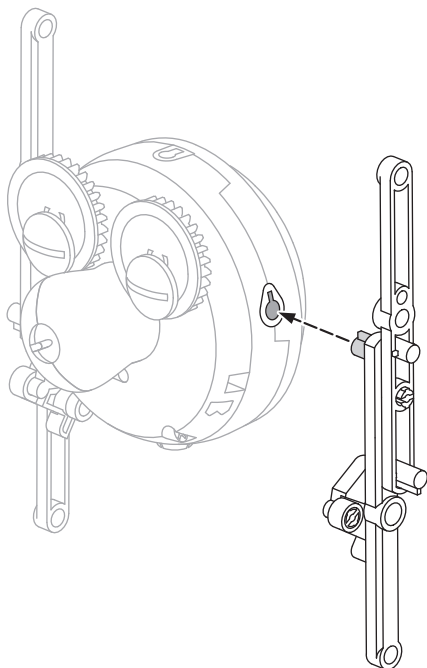
3



4



5 恭喜完成 Finish

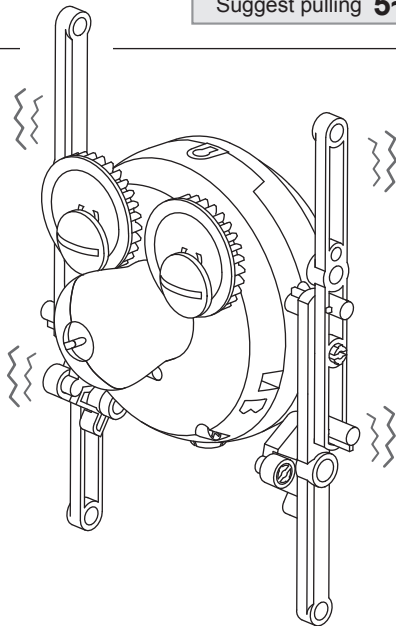
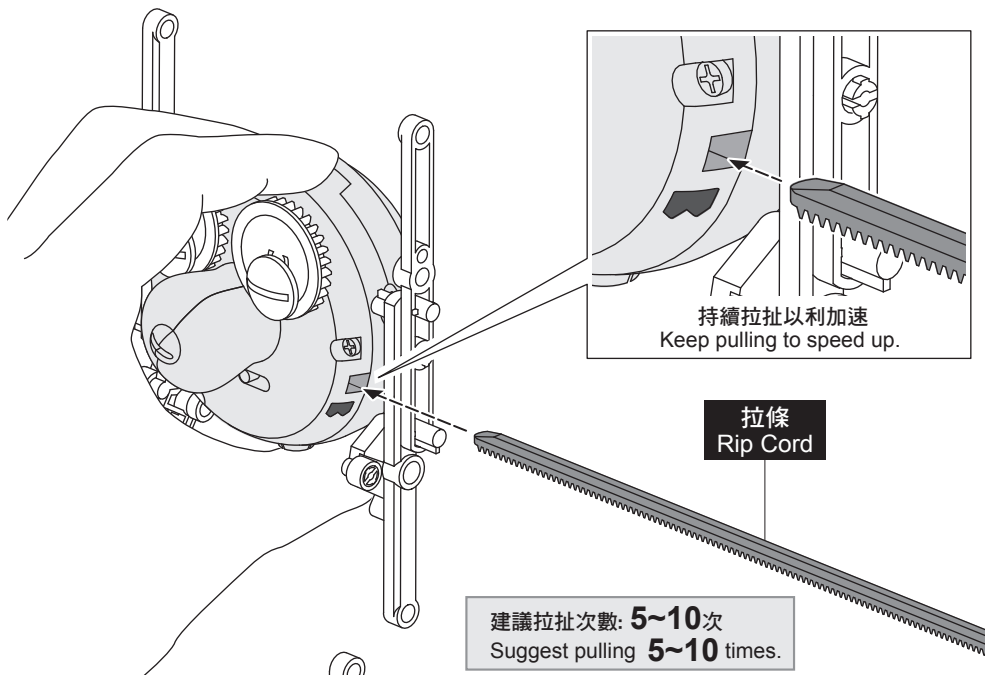


遊戲方式 How to Play



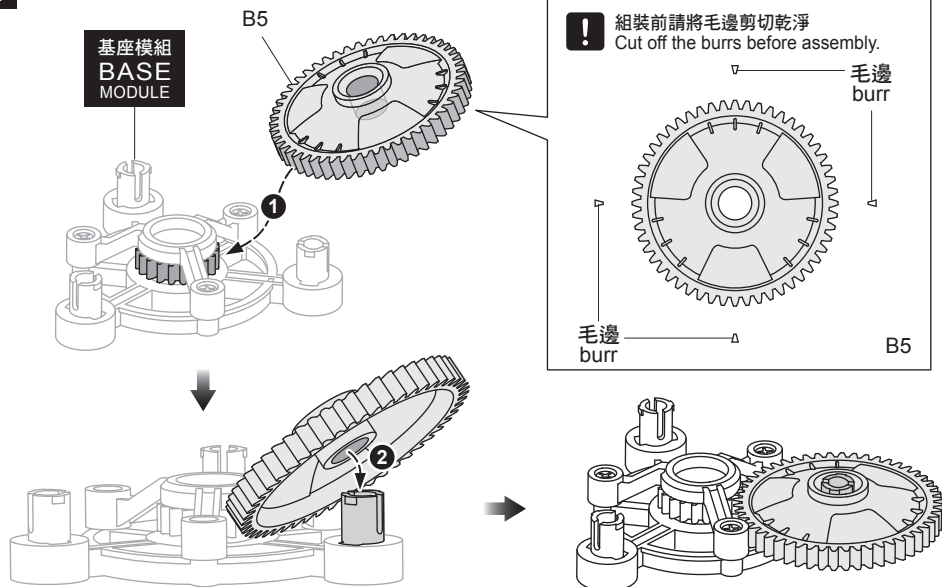
請如圖示握持陀螺

Please hold the core mouldle as shown in the illustration.

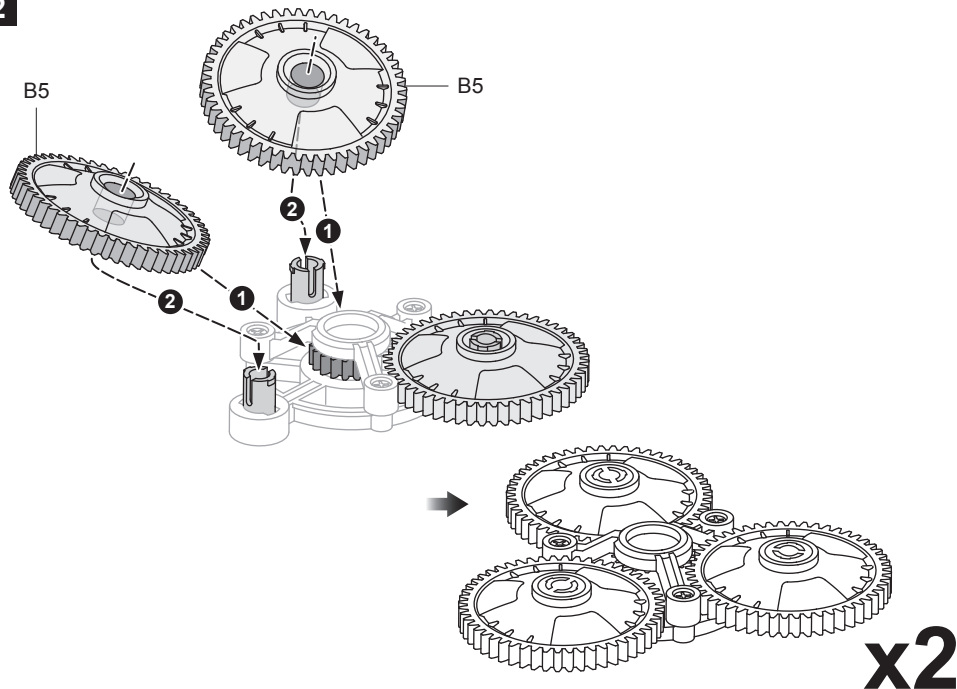


05 極速探險車組裝 Speedy Rover Module Assembly

1

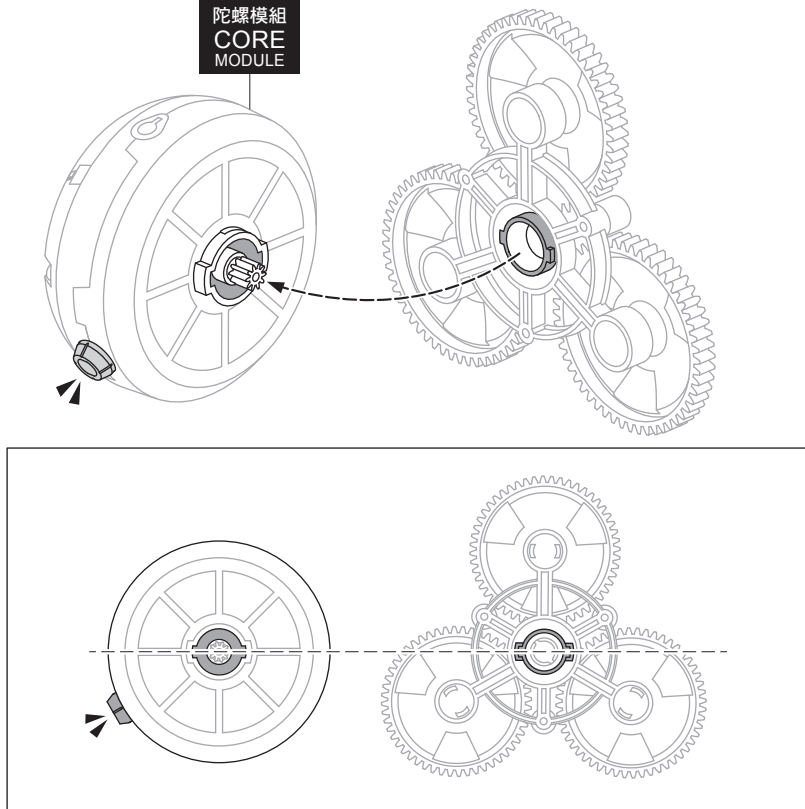


2

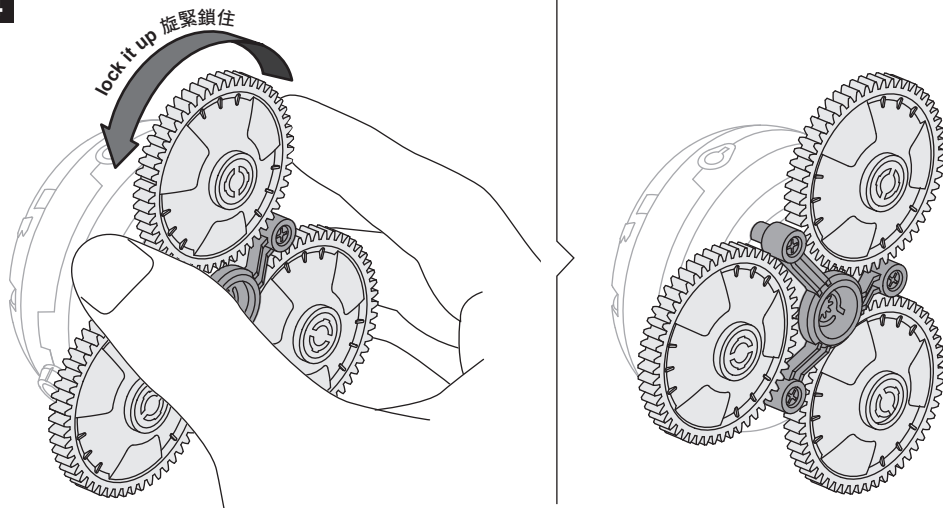


3

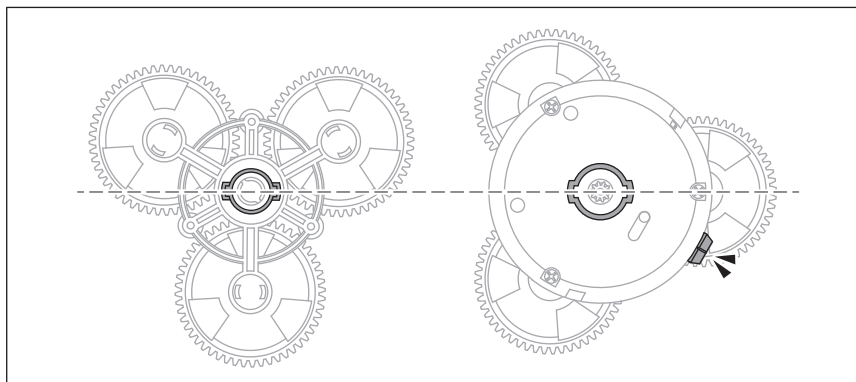
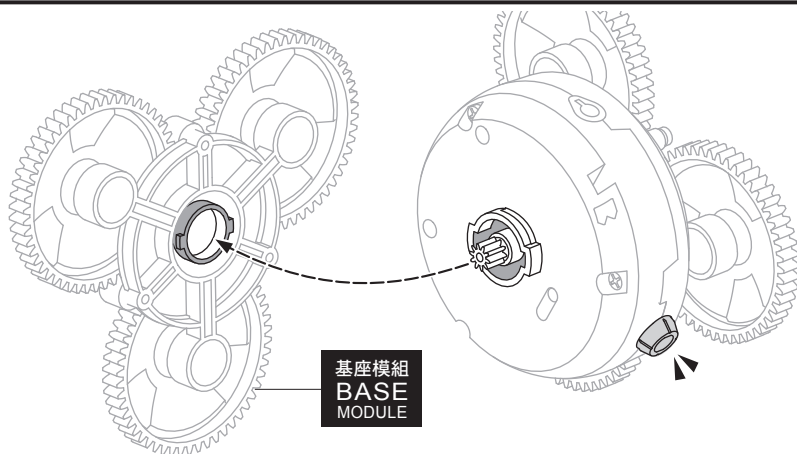
陀螺模組
CORE
MODULE



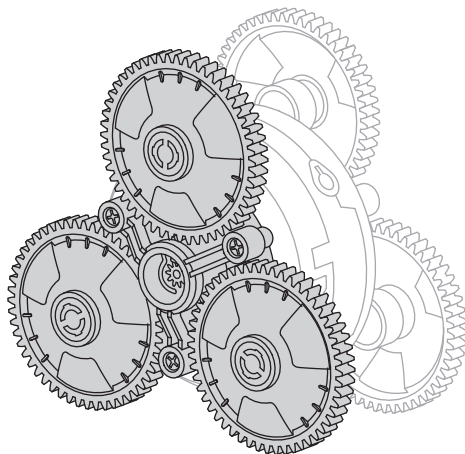
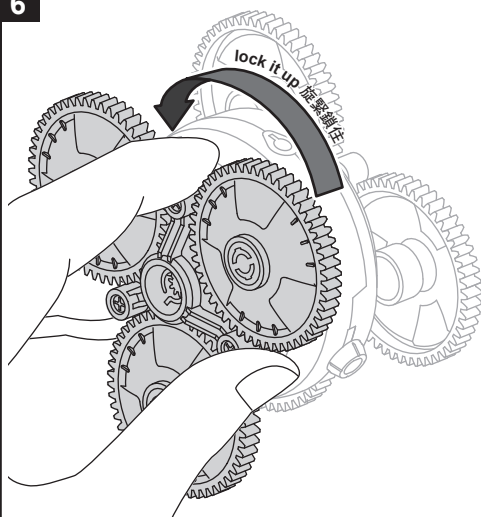
4



5



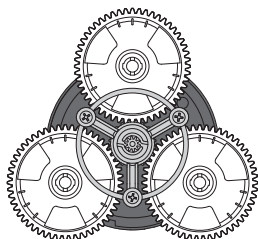
6



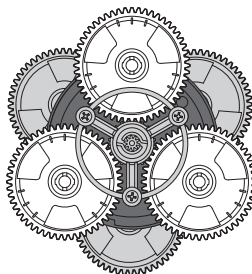
正視圖 Front View



正確
Correct



錯誤
Incorrect

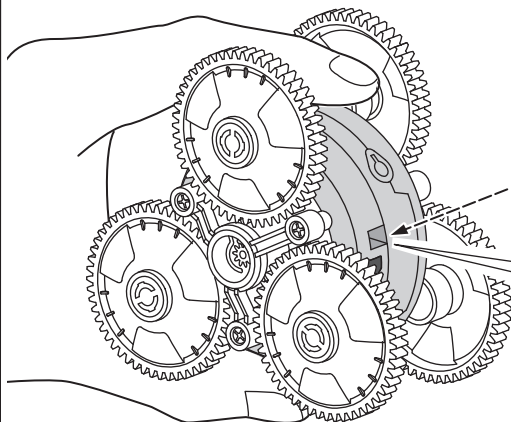


遊戲方式 How to Play

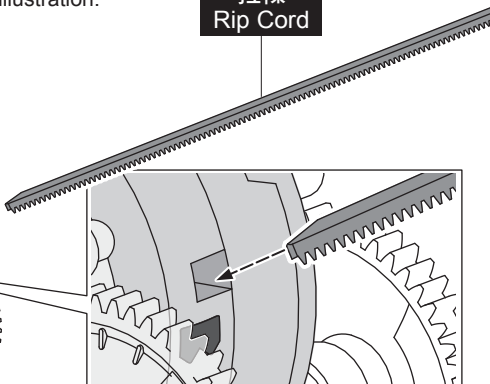


請如圖示握持陀螺

Please hold the core module as shown in the illustration.



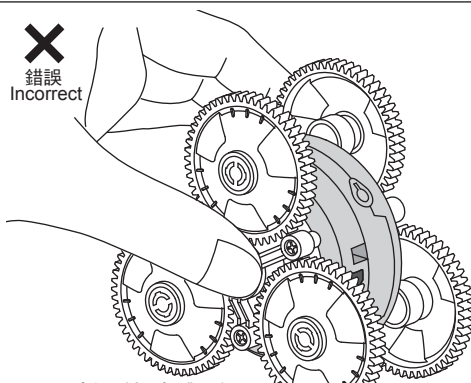
拉條
Rip Cord



持續拉扯以利加速
Keep pulling to speed up.

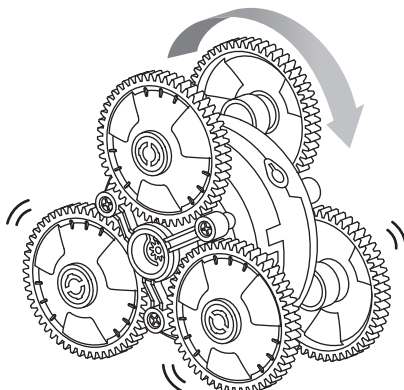


錯誤
Incorrect



請勿手握車體兩側

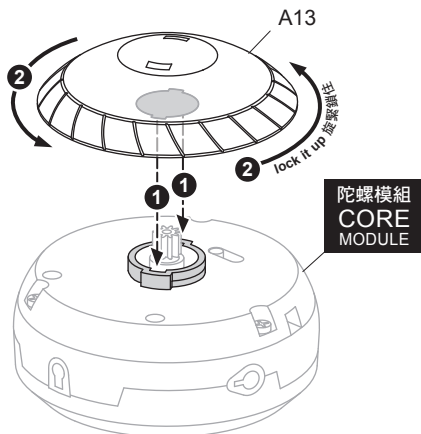
Do not hold the rover on its two sides.



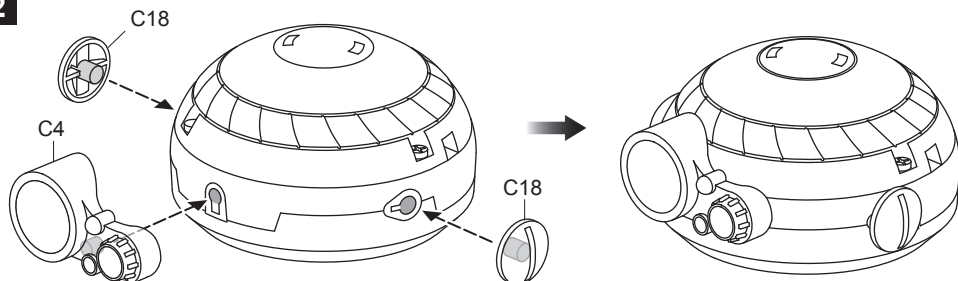
建議拉扯次數: 2次
Suggest pulling 2 times.

06 陀螺小子闖雲霄組裝 Roboller Coaster Module Assembly

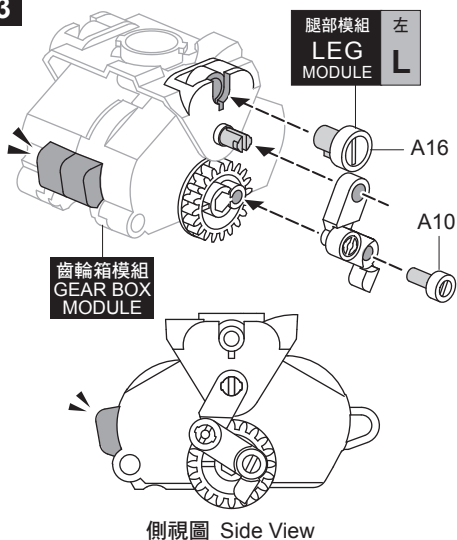
1



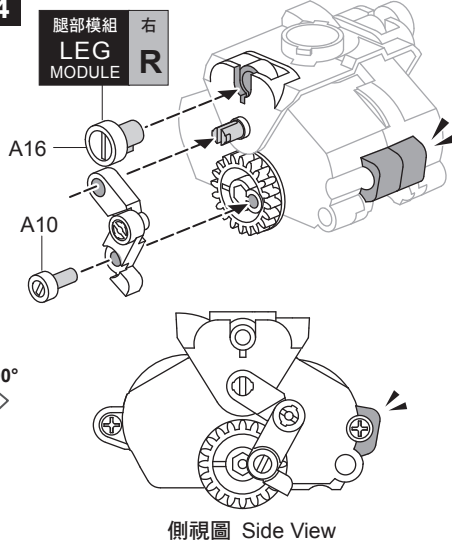
2



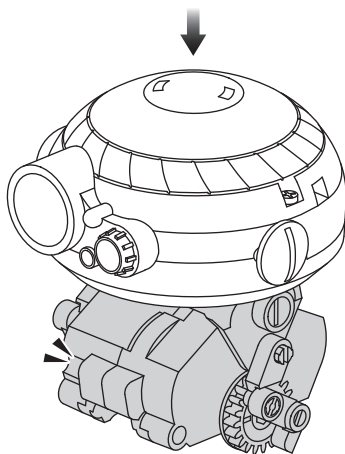
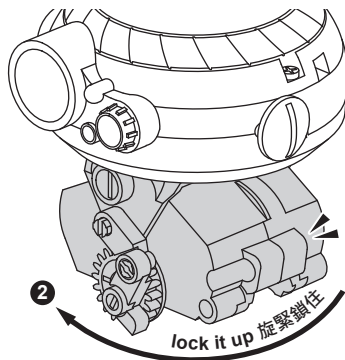
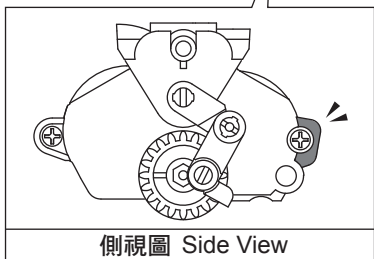
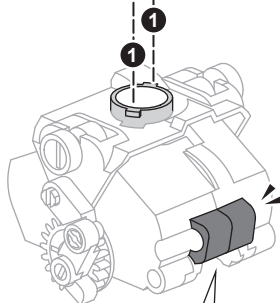
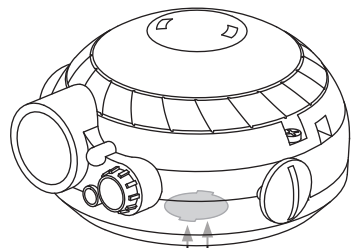
3



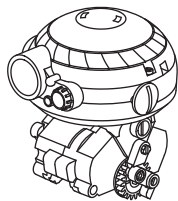
4



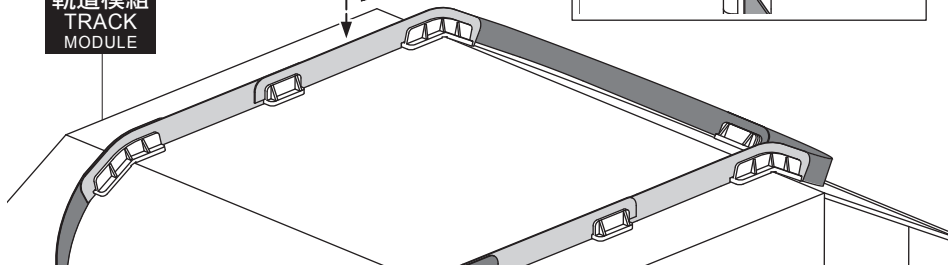
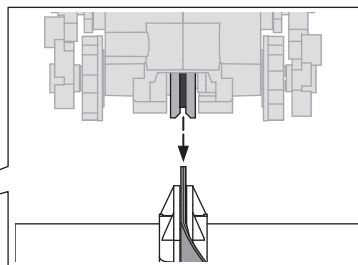
5



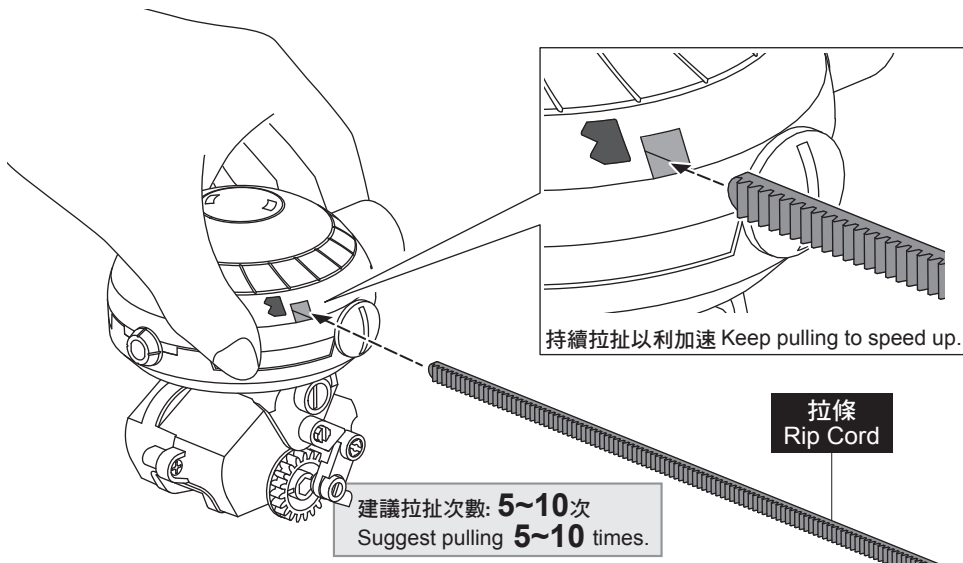
6 恭喜完成 Finish



軌道模組
TRACK
MODULE



遊戲方式 How to Play



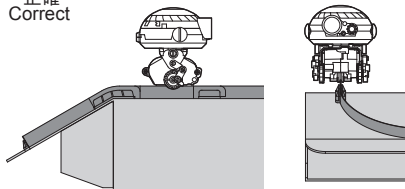
示範影片
Demonstration Video



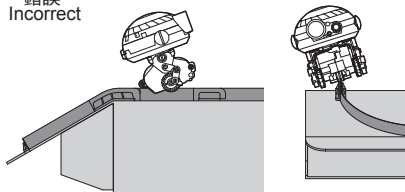
將陀螺小子穩定平衡在軌道上
Balance the robot on the track.



正確
Correct



錯誤
Incorrect



遊玩時請將陀螺小子身體維持平衡，勿前傾或向後
Keep the body balanced when placing the robot on the track. Do not let it lean forward or back.

1. 如果陀螺模組無法順利轉動，請回到第6頁步驟 **1** ~第9頁步驟 **9** 確認是否安裝正確
If the Core Module does not run smoothly, please check page 6 step **1** to page 9 step **9**.
2. 如果搖擺機器人無法順利行進或容易跌倒，請回到第30頁步驟 **6** 確認B1是否安裝正確
If the Robbie Dizzie does not run smoothly or if falls down easily, please check page 30 step **6** to make sure B1 is assembled correctly.
3. 如果單車小騎士無法順利行進，請回到第35頁步驟 **5** 確認是否安裝正確
If the Scooter Rider does not run smoothly, please check whether page 35 step **5** is assembled correctly.
4. 請回到第20頁步驟 **5** ~第23頁步驟 **7** 確認確認軌道模組是否安裝正確
Make sure Track Module on page 20 step **5** to page 23 step **7** is assembled correctly.



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。
不可對著人臉和眼部衝撞，避免造成意外傷害。

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-635 零件表 Parts List

零件型號 Part Number	零件名稱 Part Name	數量 Qty
5GE-63500P1	雞眼圈 Eyelet	
5GE-63500P2	小齒輪(白色) Pinion Gear (White)	
5GE-63500P3	齒輪(紅色) Gear 24T (Red)	
5GE-63500P4	齒輪(綠色) Gear 40/10T (Green)	
5GE-63500P5	齒輪(白色) Gear 48/18T (White)	
5GE-63500P6	機械螺絲 Tapping Screw	
5GE-63500P7	六角軸 Hex Shaft	
5GE-63500P8	六角軸 Hex Shaft	
5GE-63500P9	圓軸(短) Round Shaft (Short)	
5GE-63500P10	圓軸(中) Round Shaft (Medium)	
5GE-63500P11	圓軸(長) Round Shaft (Long)	
5GE-63500P12	泡棉貼 Sponge	
5GE-63500P13	墊片 Washer	
5GE-63500P14	泡棉貼 Sponge	
5GE-63500P15	油包 Oil Bag	



此產品為模型組件拆封修剪或包裝不完整，恕不退換

Goods cut are not returnable.

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Spin The Rotor To Master Gyro Basics

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