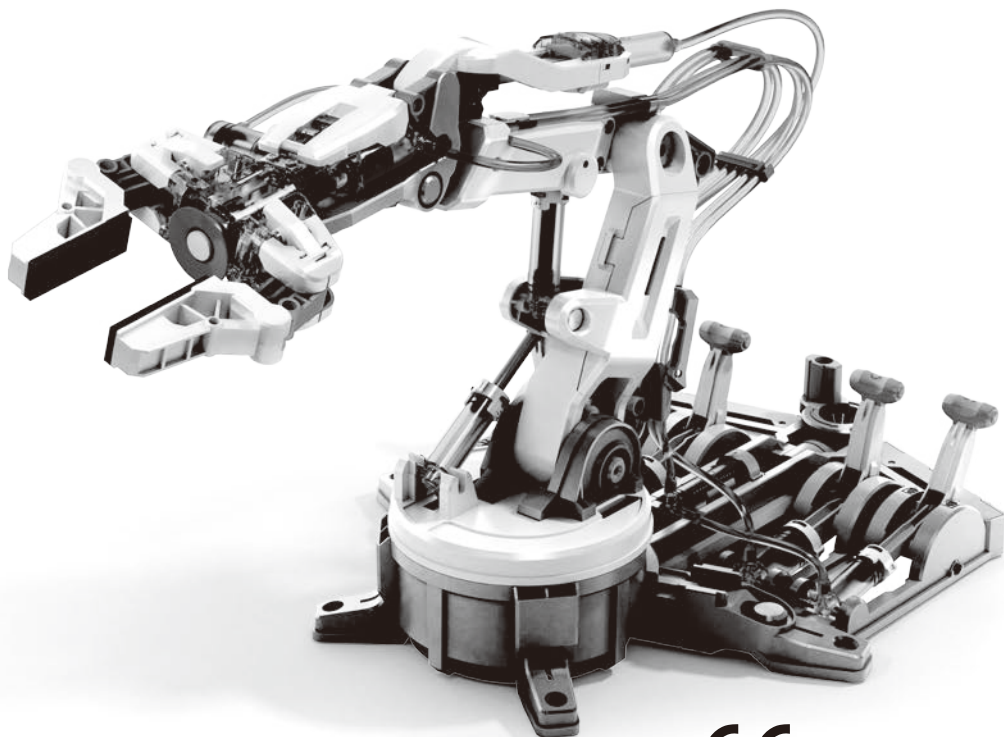


GE-632

Pro'sKit®

液壓機器手臂

Hydraulic Robot Arm



CE

Assembly & Instruction **Manual**

組裝說明手冊

目次頁

產品介紹	P.1
自備工具	P.1
零件清單	P.2
塑膠模型零件	P.3
組裝說明	
夾頭組裝	P.6
控制盤組裝	P.7
手臂組裝	P.13
液壓油使用說明	P.20
H0~H5液壓筒組裝	P.20
I1~ I5液壓筒組裝	P.26
軟管裁切	P.35
液壓筒填充說明	P.36
軟管與液壓筒組裝	P.37
液壓筒模組組裝	P.37
操縱桿組裝	P.49
控制盤與液壓筒模組組裝	P.51
液壓筒與手臂組裝	P.66
操作方式	P.76
簡易故障排除	P.86

液壓機器手臂

產品介紹

歡迎購買寶工GE-632液壓機器手臂。這是一款使用液壓方式操作的玩具，六軸設計液壓手臂可做出多種動作：前端夾具可進行開闔動作，最大開口約4.6cm，可旋轉180°，手腕可上下移動98°，肘部上下移動44°，肩部上下移動45°，底座可左右旋轉270°，手臂可上舉的最大高度約42cm，水平伸展約32cm，可夾舉重量為50g。卸下夾具後，還可使用吸盤裝置，吸盤設計不受物體大小限制，可吸取面積更大的物體。

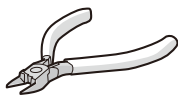
本產品由229個零件組成，組裝說明沒有多餘的文字敘述，詳細的圖示就可輕鬆組裝，同時可了解液壓原理，組裝後可實際操作應用，透過操縱桿使六軸動作配合無間，訓練手眼協調。不須電池、不須馬達、水就可驅動一切，歡迎工程系列愛好者挑戰本進階模型。推薦10歲以上兒童可嘗試獨立組裝，父母在旁陪伴，兒童可從中得到自我滿足的成就感，同時快樂的享受親子共遊的樂趣。



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



斜口鉗



十字起子



剪刀



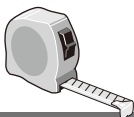
面紙



杯子和水



油性麥克筆(細字)



or



捲尺或尺

零件清單

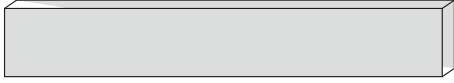
！ 部分零件含有銳利的邊緣及尖角

P1 華司螺絲(短)



9 pcs

P3 鐵塊(短)



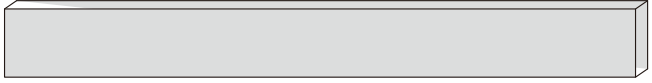
1 pc

P2 自攻螺絲(長)



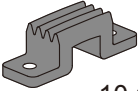
28 pcs

P4 鐵塊(長)



1 pc

P5 墊片



10 pcs

P6 活塞帽(小)



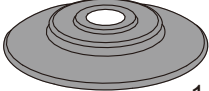
5 pcs

P7 活塞帽(大)



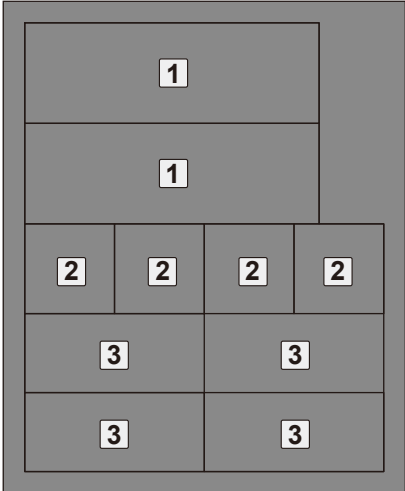
6 pcs

P8 吸盤



1 pc

P9 泡棉



1 pc

P10 彈簧(小)



5 pcs

P11 彈簧(短)



1 pc

P12 彈簧(中)



1 pc

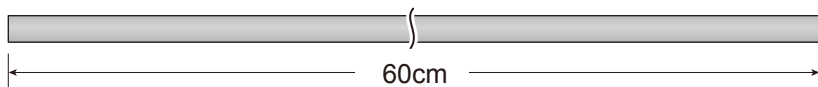
P13 彈簧(長)



1 pc

P14

軟管



60cm

5 pcs

P15

油包



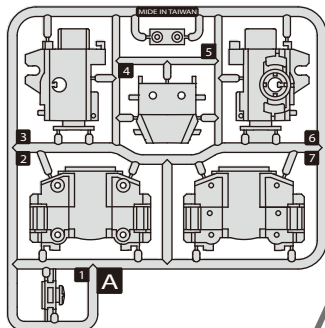
安裝軟管時請勿碰觸到油

1 pc

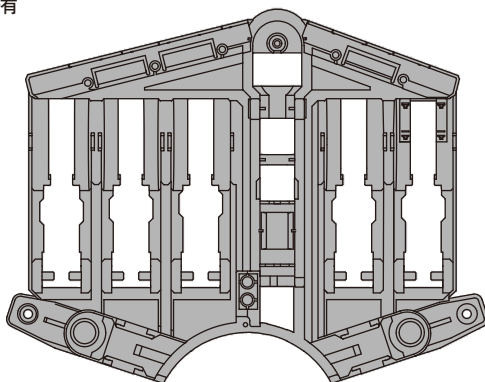
塑膠模型零件



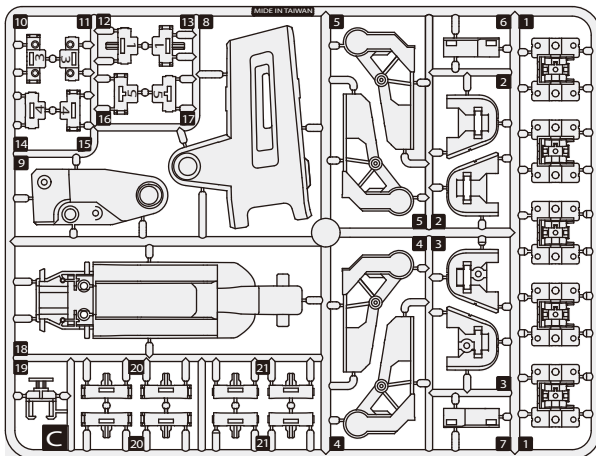
請依照組裝步驟將所需的零件剪下，
事先全數剪下會在組裝時造成混淆



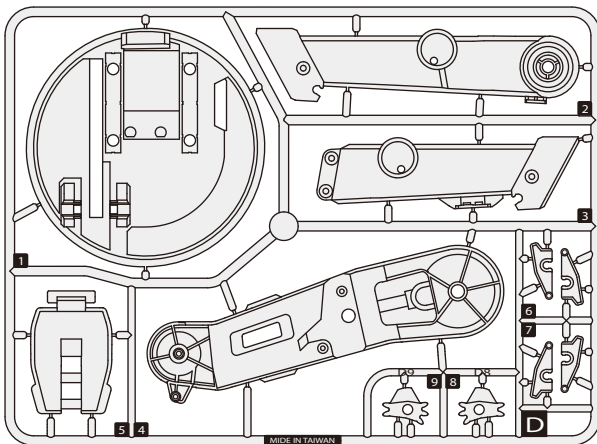
A



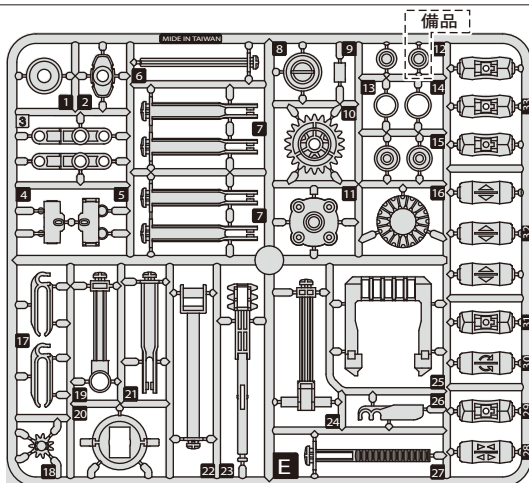
B



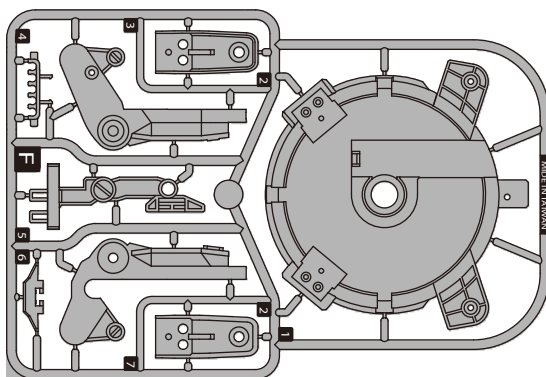
C



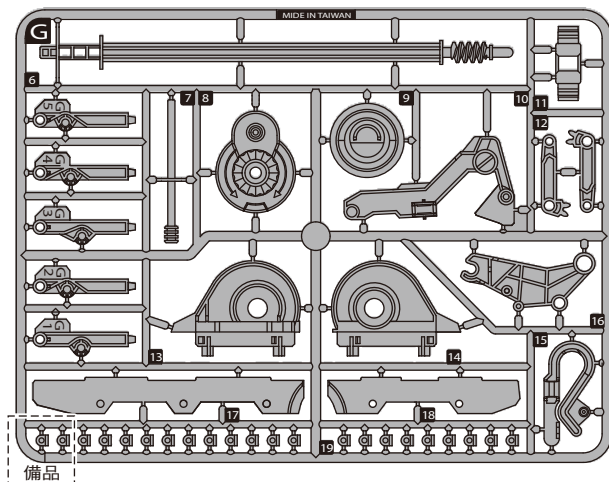
D



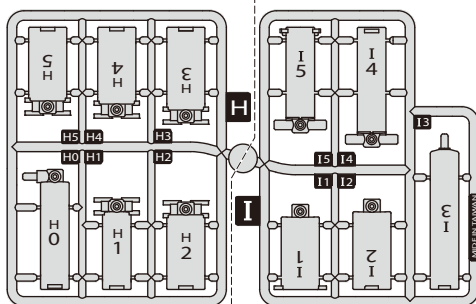
E



F



G

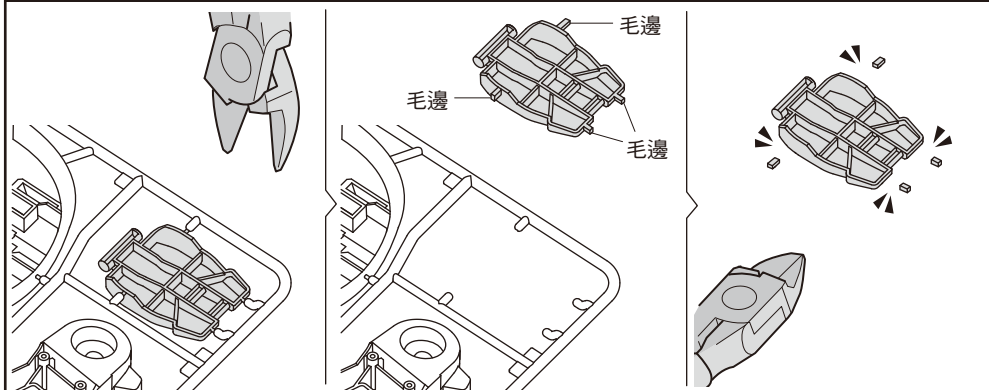


H

I



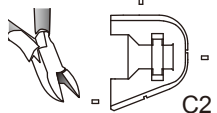
小技巧提醒：零件剪下時請將毛邊剪切乾淨，以免組裝時產生間隙



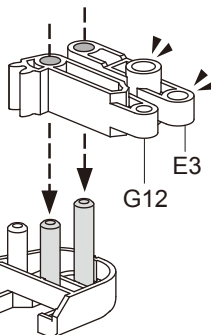
夾頭組裝

1

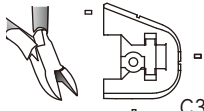
組裝前請先剪除毛邊



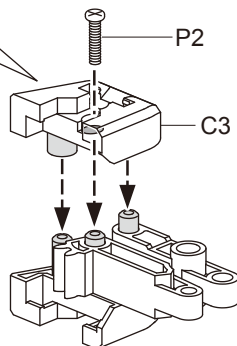
C2



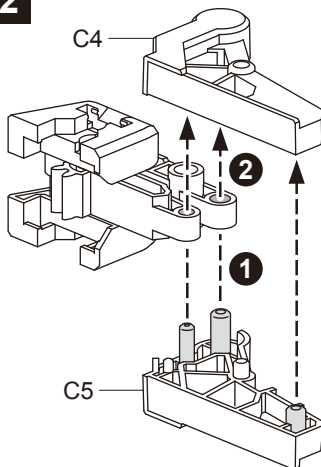
組裝前請先剪除毛邊



C3

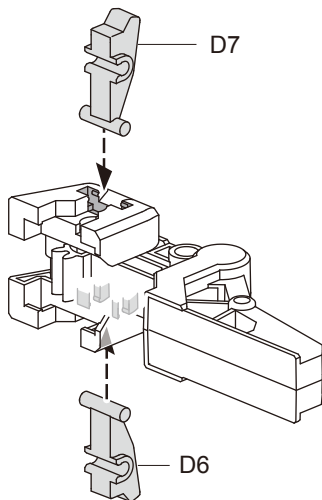


2



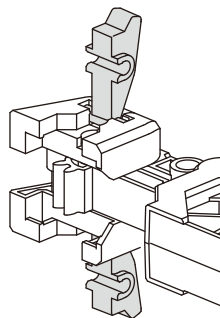
C4

C5

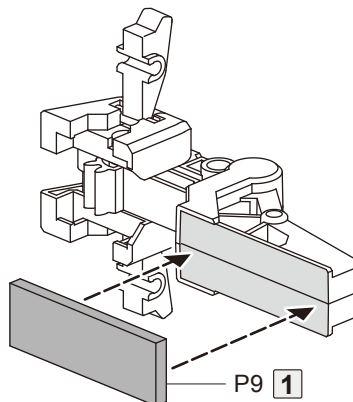


D7

D6

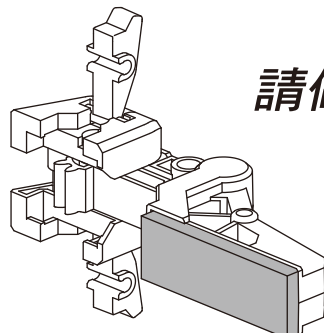


3



P9

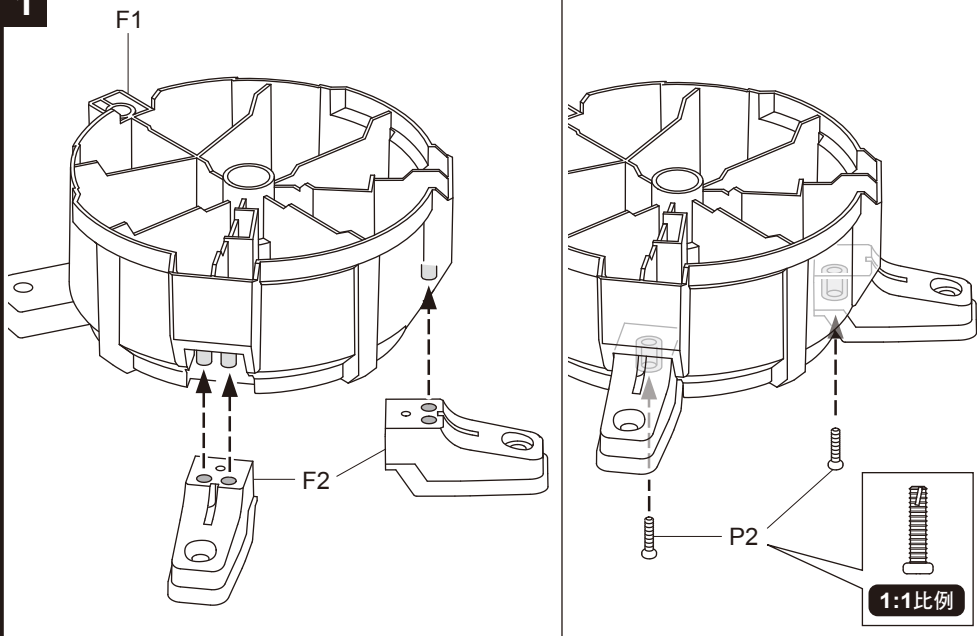
1



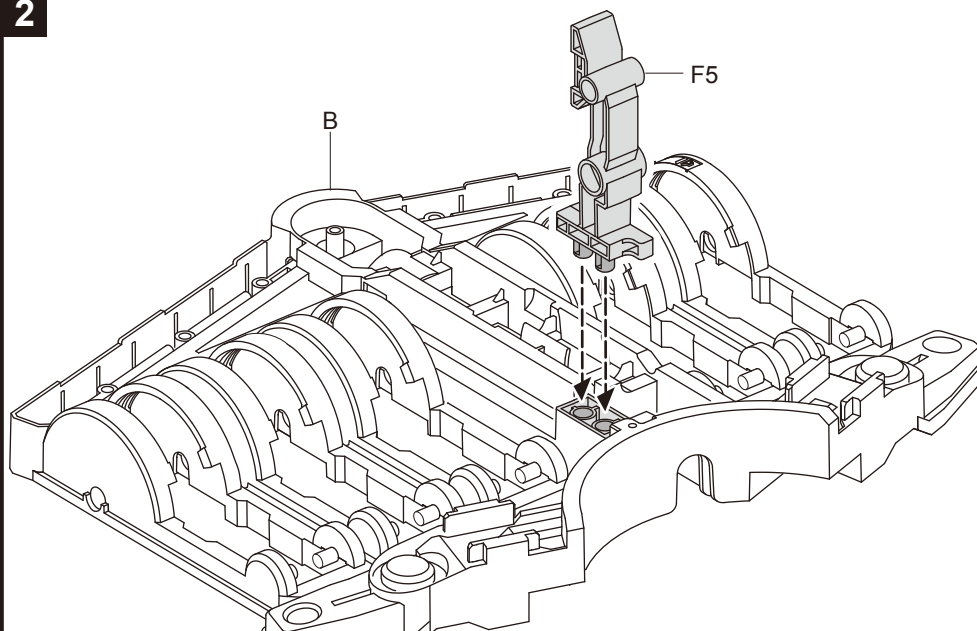
請做2組

控制盤組裝

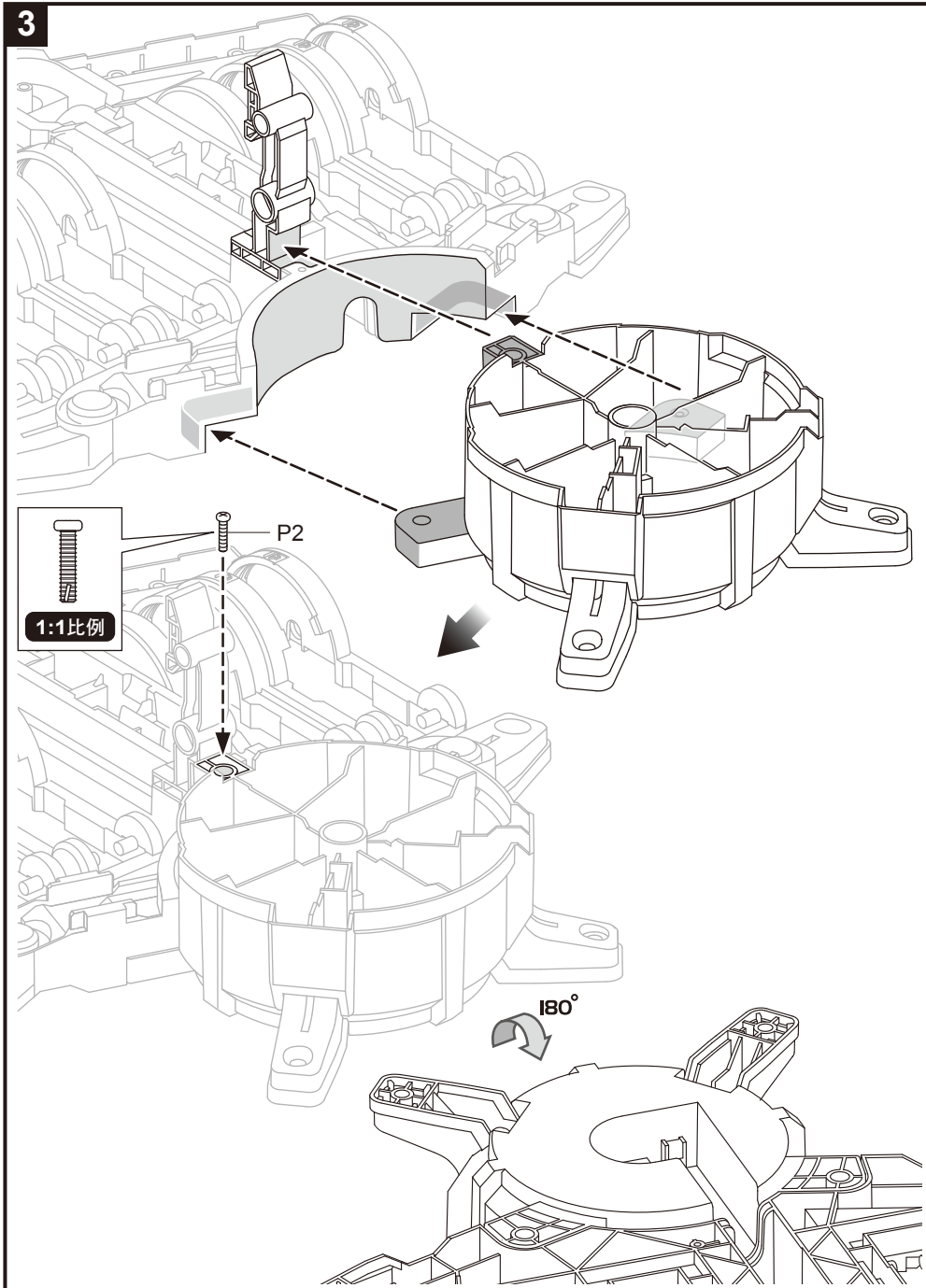
1



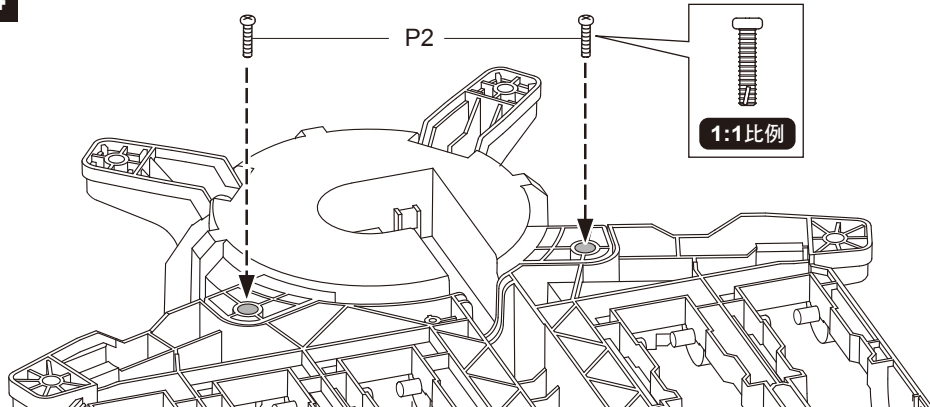
2



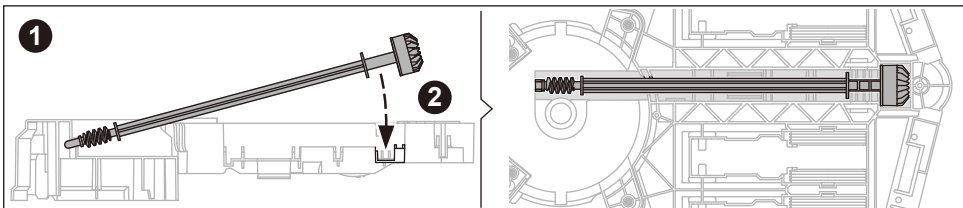
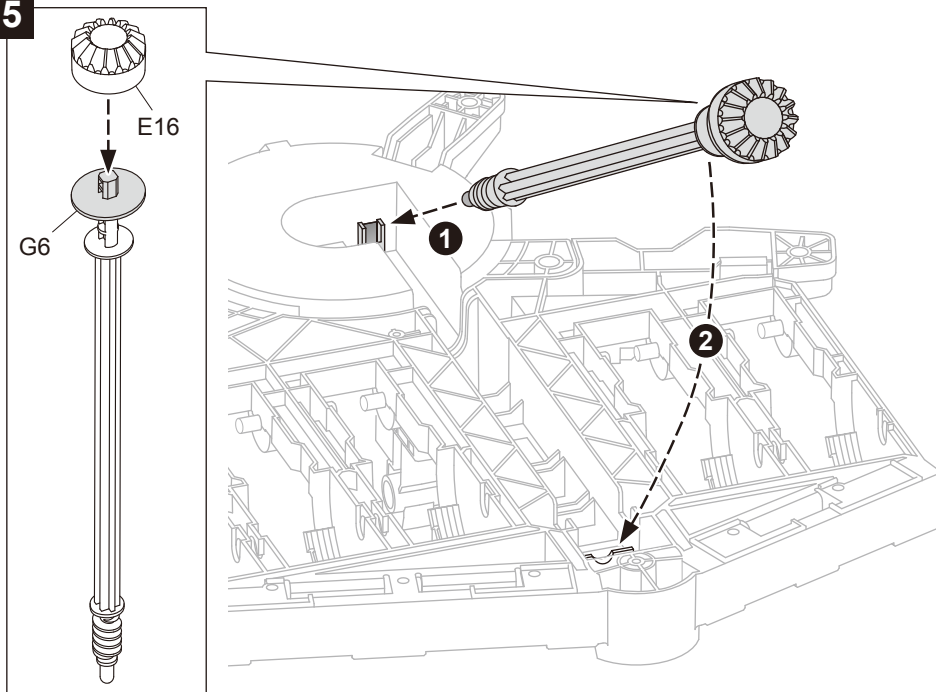
3



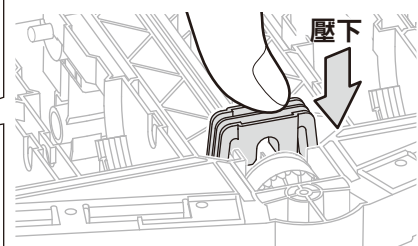
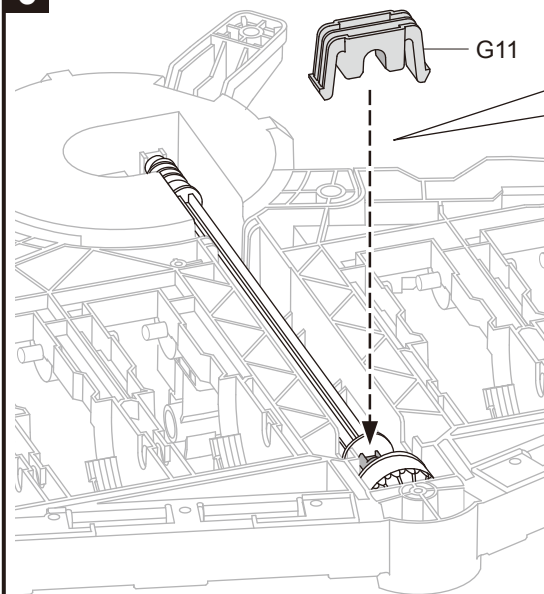
4



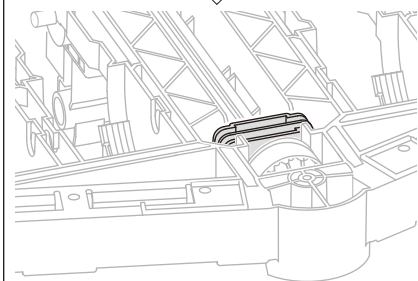
5



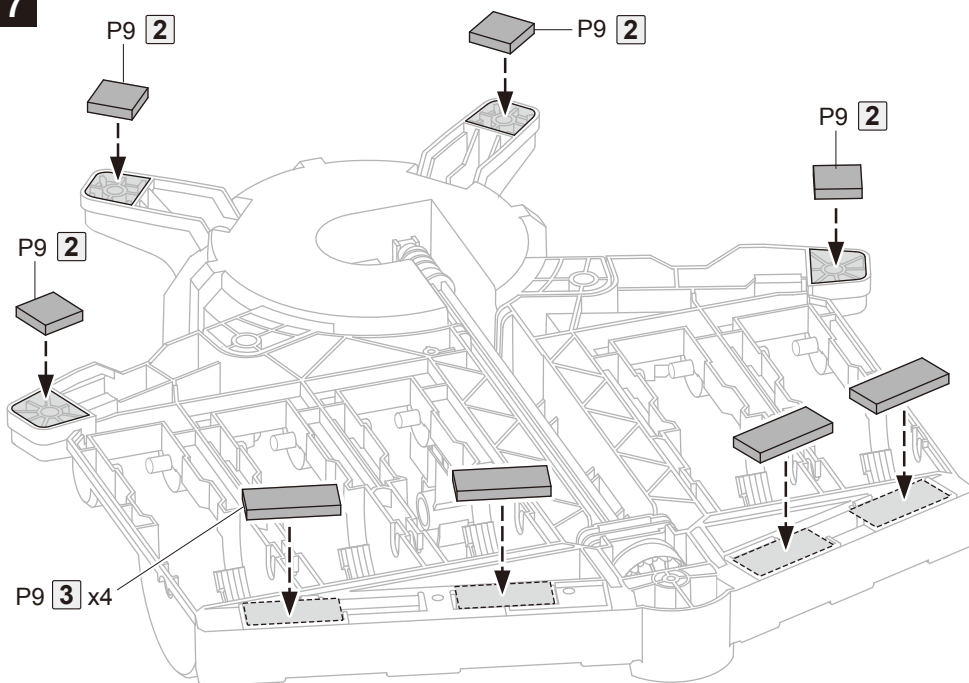
6



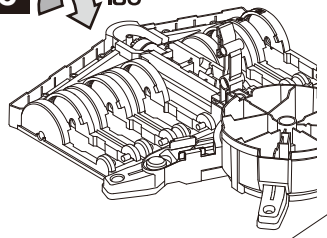
當您完全壓下時會聽到G11卡嗒一聲



7



8

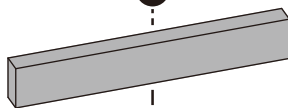


G17



G18

2

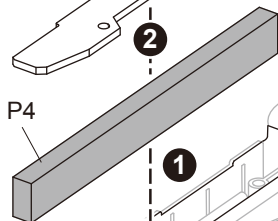


P3

1

P4

1



9

P1

1

E2

P1

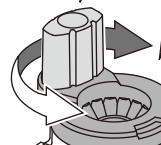
G8

2

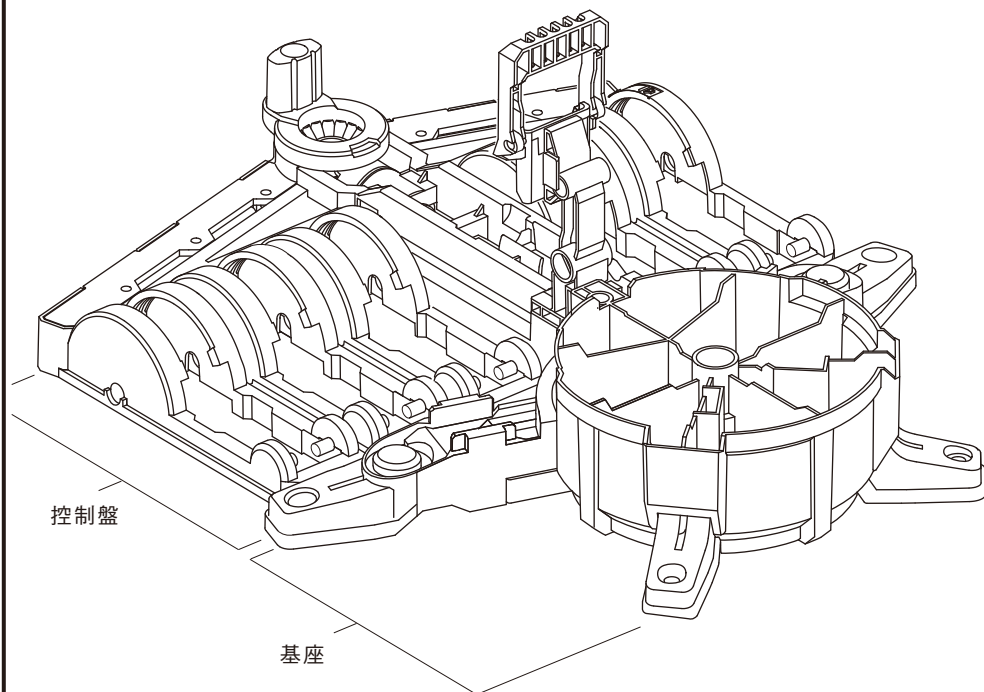
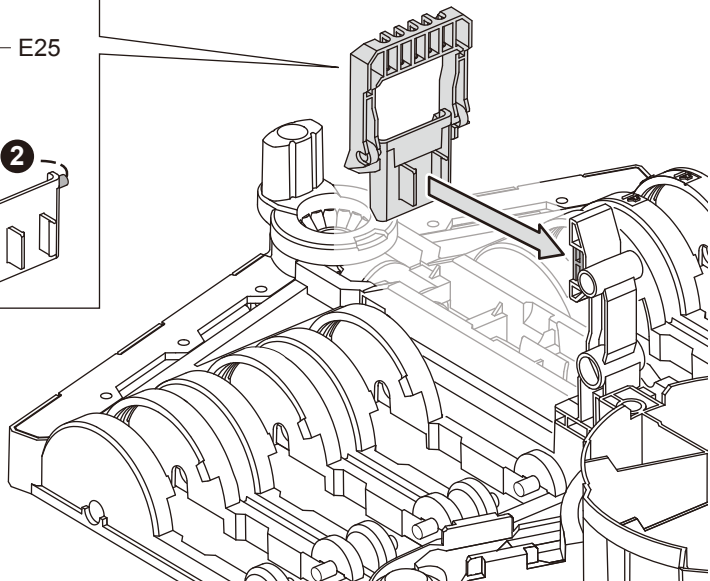
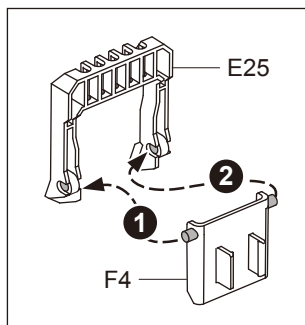
1:1比例



可自由旋轉

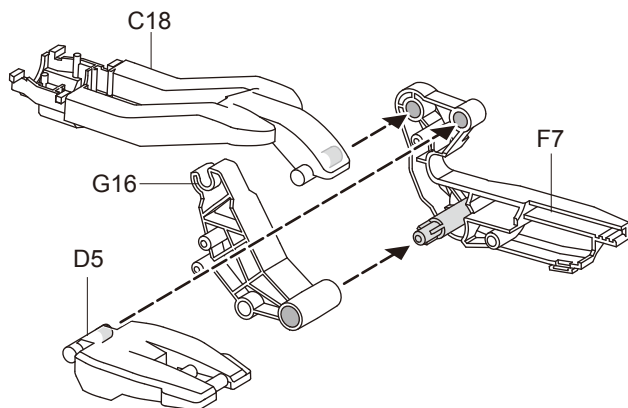


10

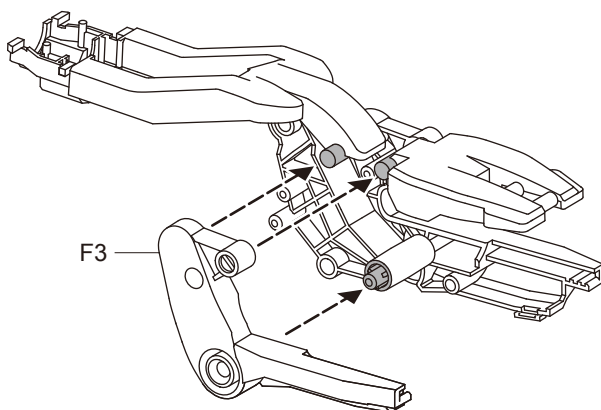


手臂組裝

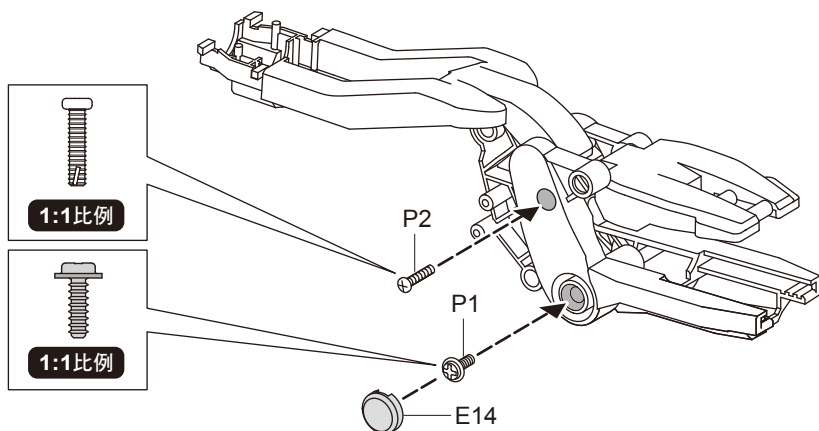
1



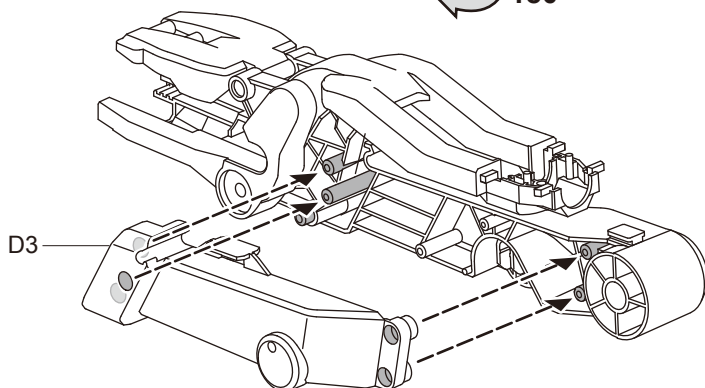
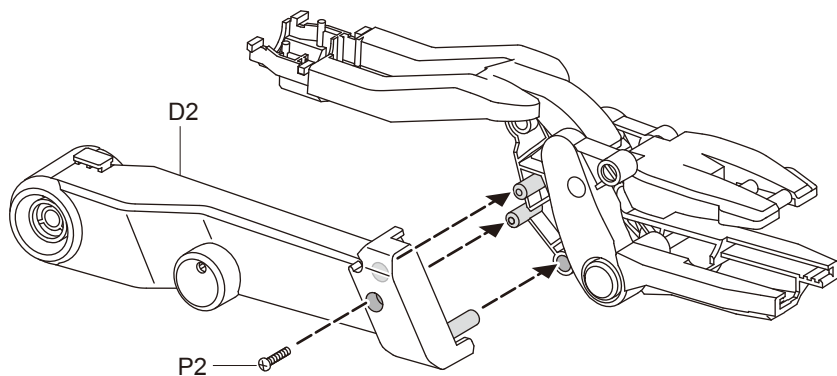
2



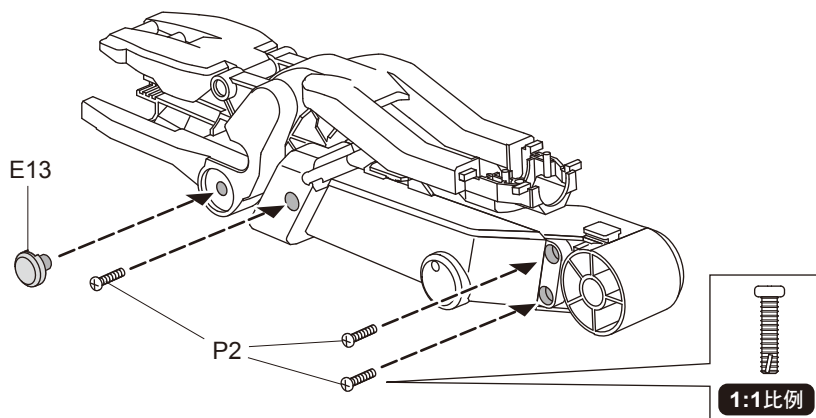
3



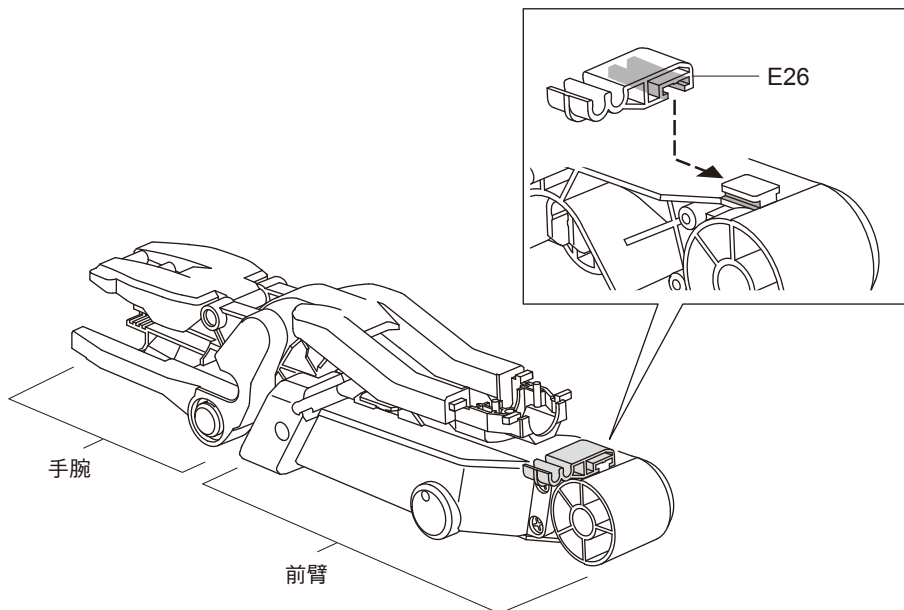
4



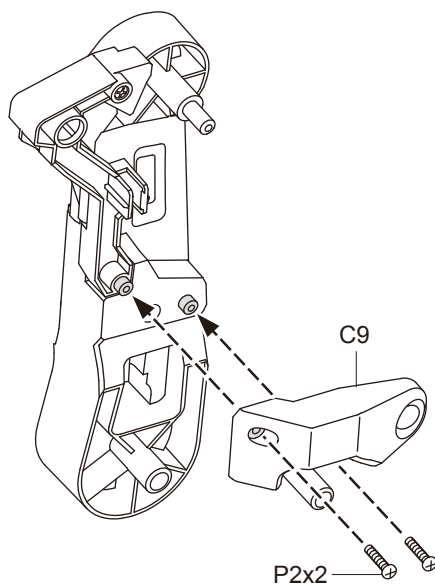
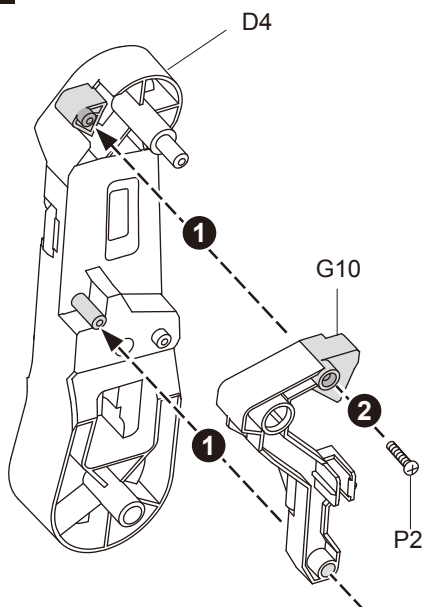
5



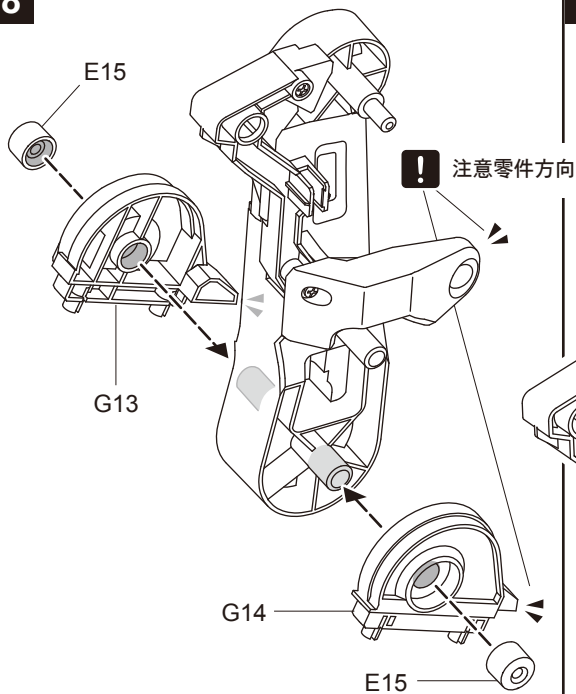
6



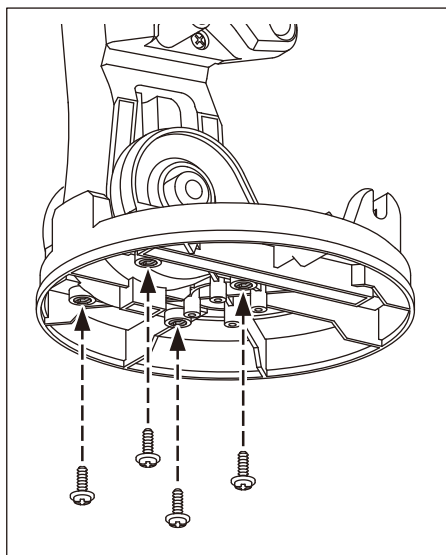
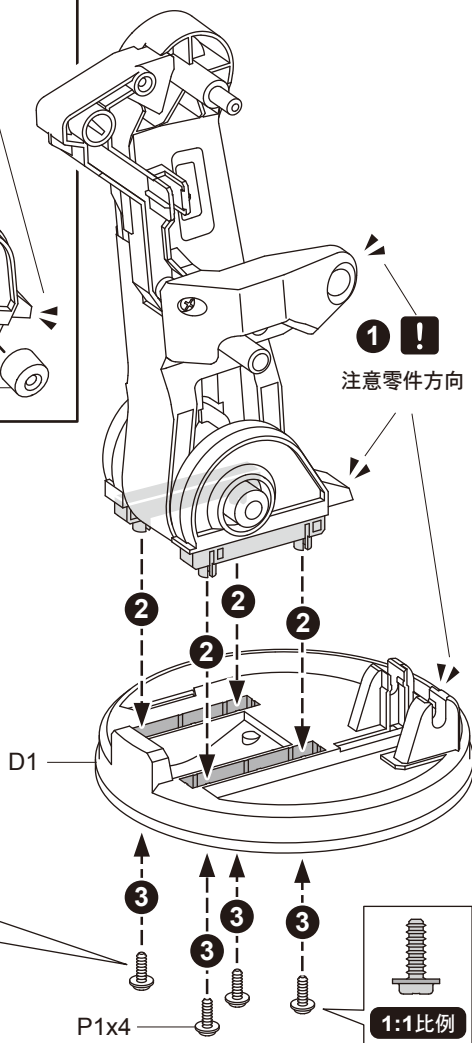
7



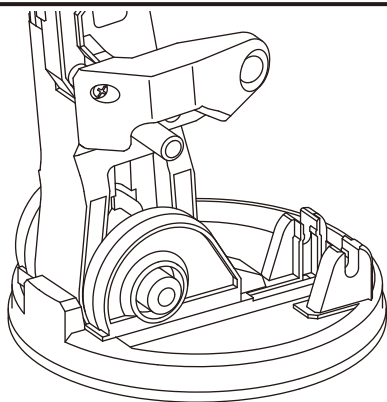
8



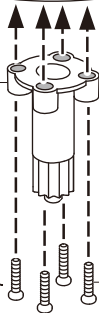
9



10

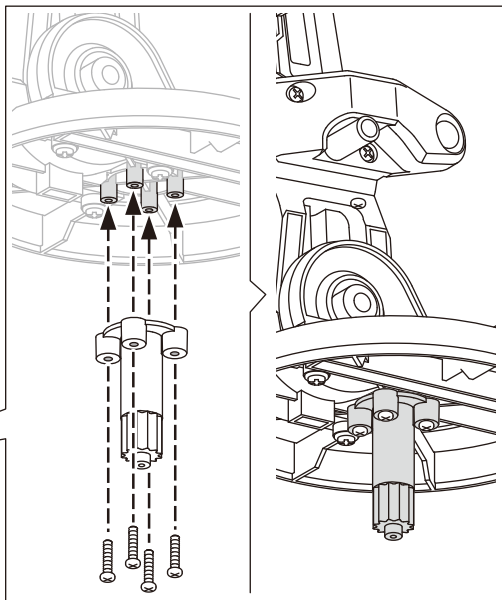


E11



P2x4

1:1比例

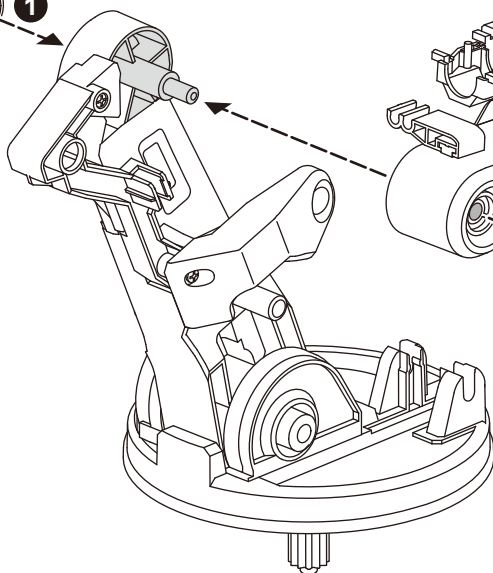


11

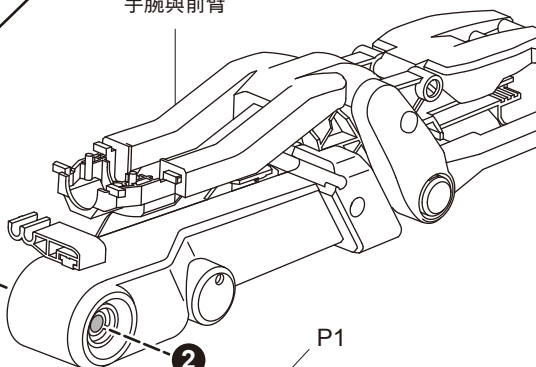


E1

1



手腕與前臂



2

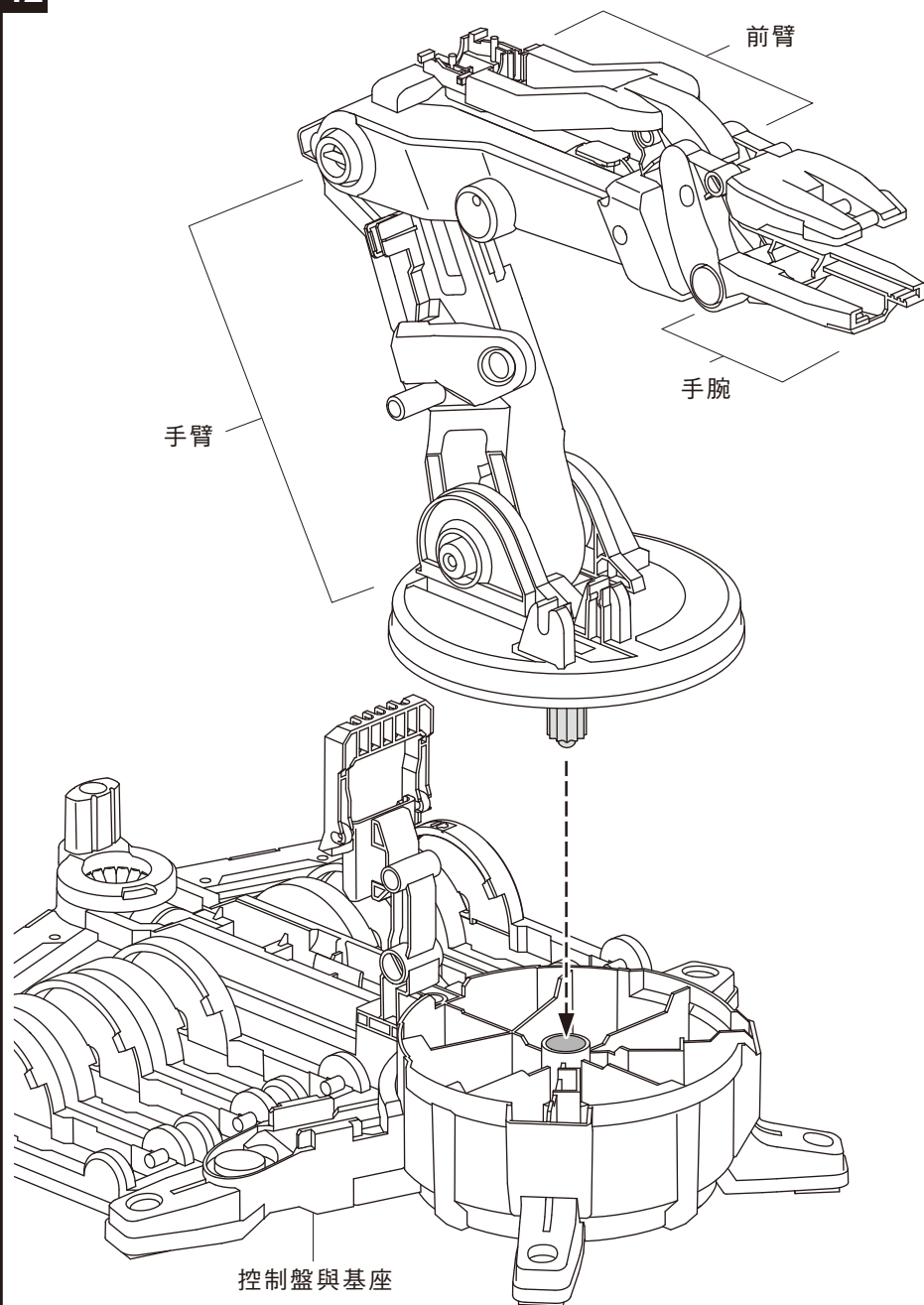
P1

3

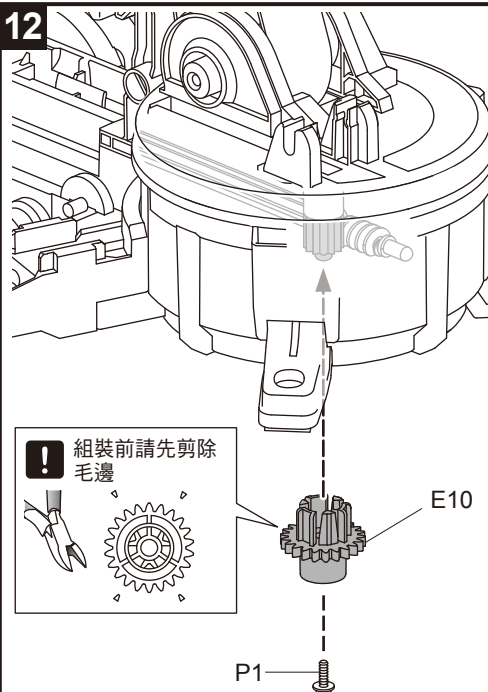


1:1比例

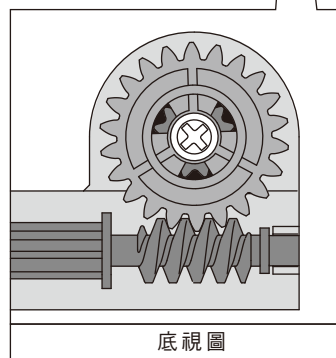
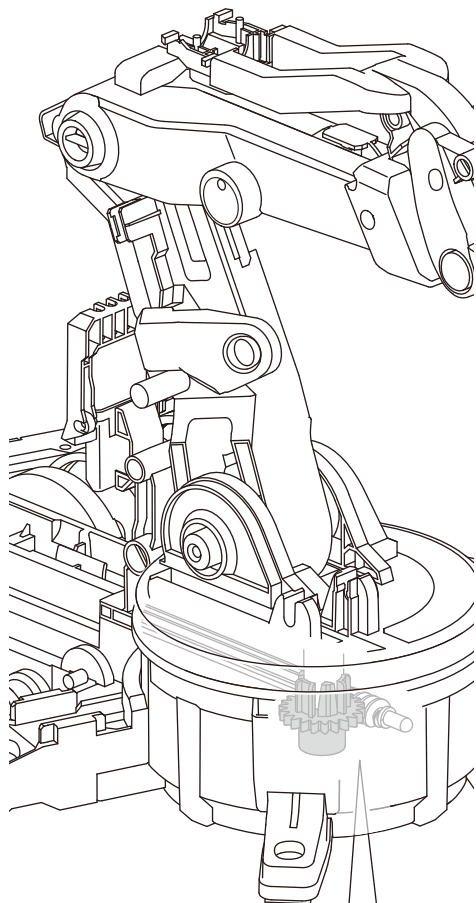
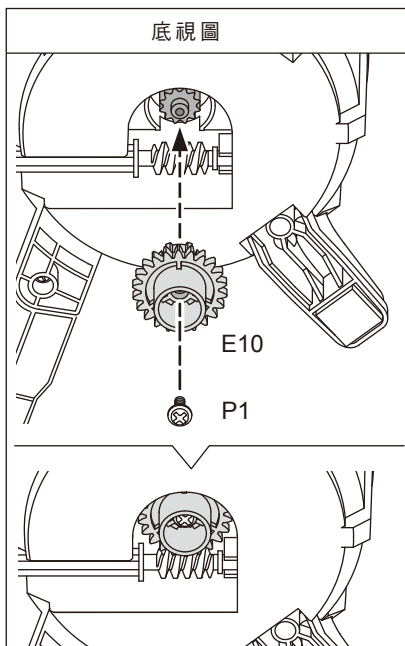
E8



12



! 請確認E10沒有上下顛倒



油包使用說明

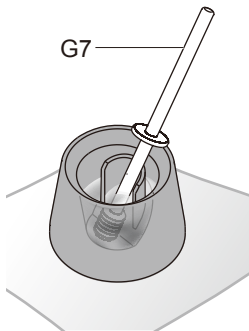
1

面紙

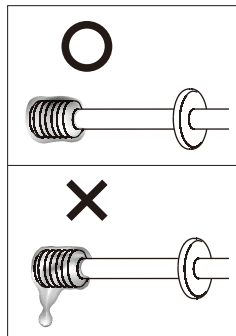


G9

G7



請小心將液壓油倒入G9，請勿溢出



2

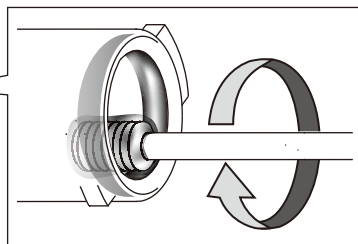


= 抹油

注意：出現此圖 代表零件需抹油



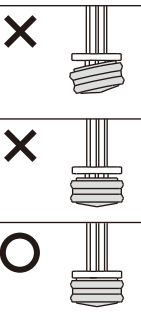
請勿將液壓油抹到外面



H0~H5 液壓筒組裝

H0 液壓筒組裝

E6



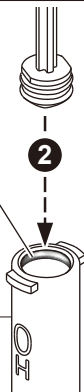
P6

1

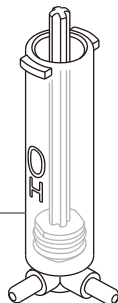


2

H0



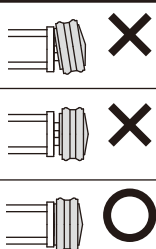
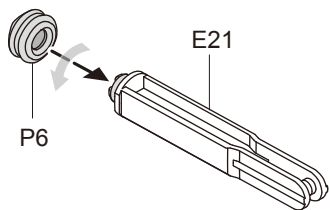
H0
液壓筒



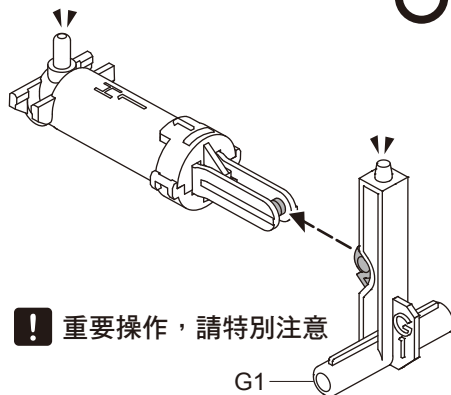
! 重要操作，請特別注意

H1 液壓筒組裝

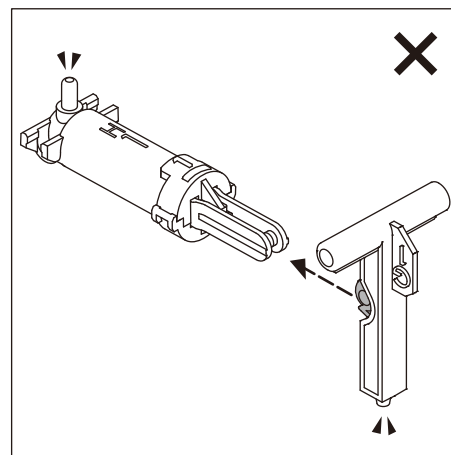
1



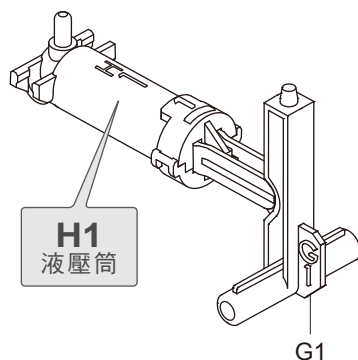
3



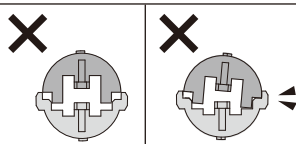
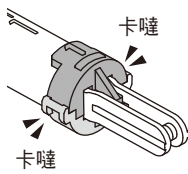
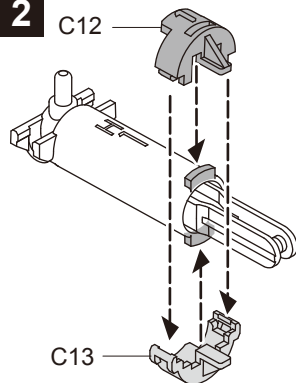
! 重要操作，請特別注意



4



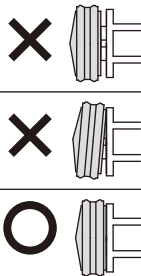
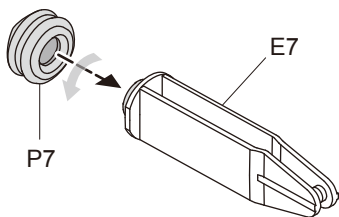
2



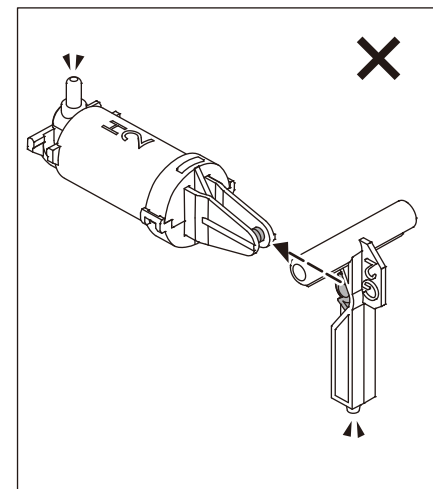
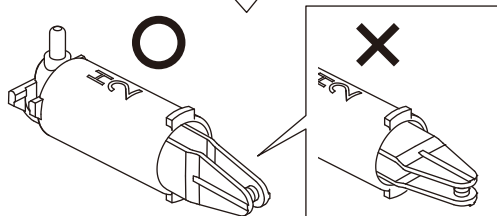
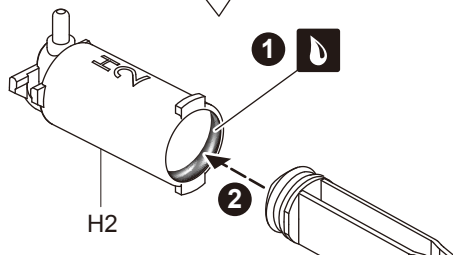
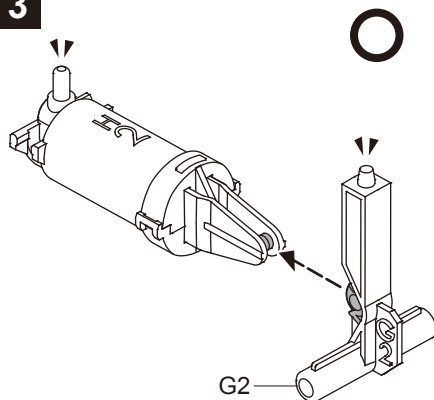
! 重要操作，請特別注意

H2 液壓筒組裝

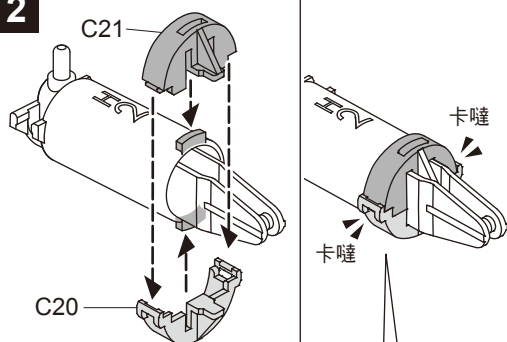
1



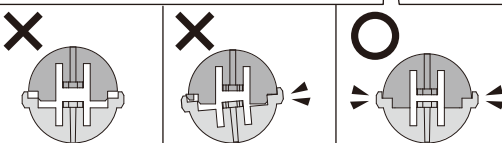
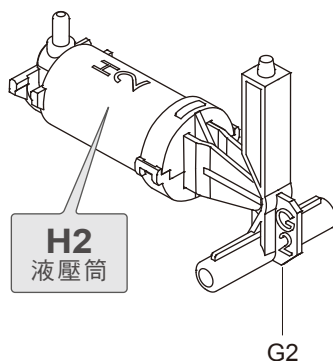
3



2

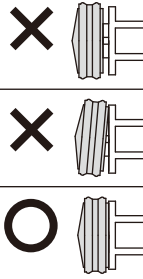
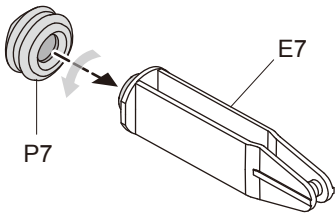


4

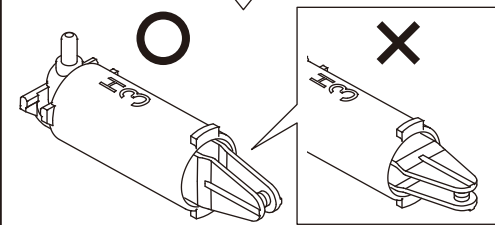
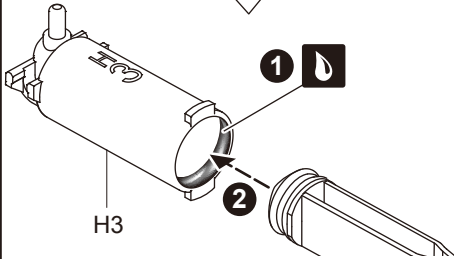
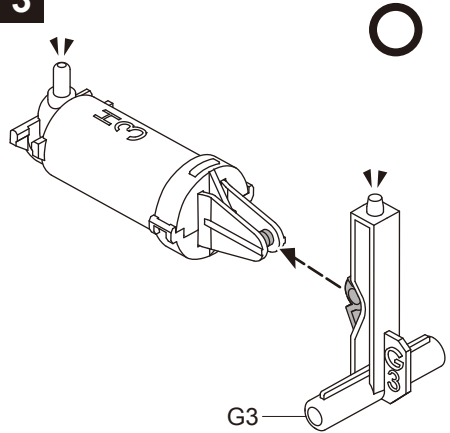


H3 液壓筒組裝

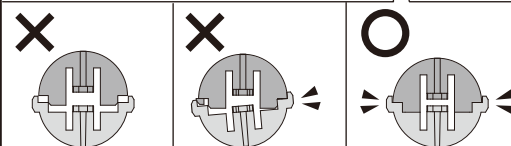
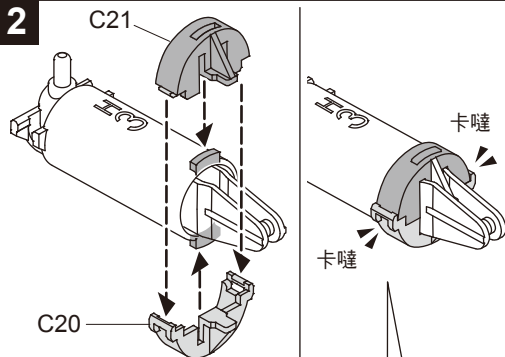
1



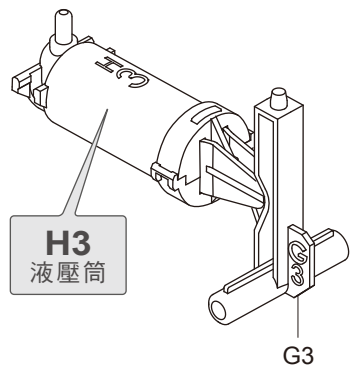
3



2



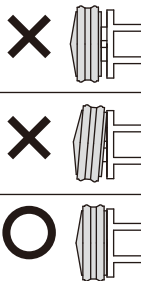
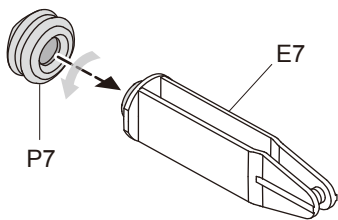
4



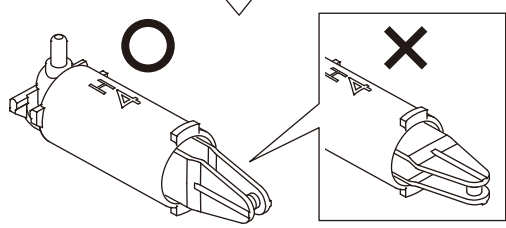
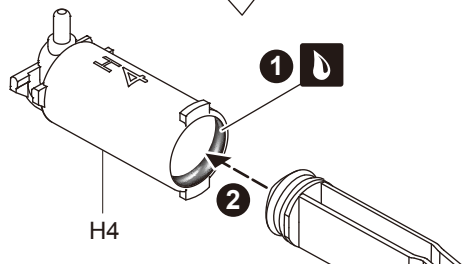
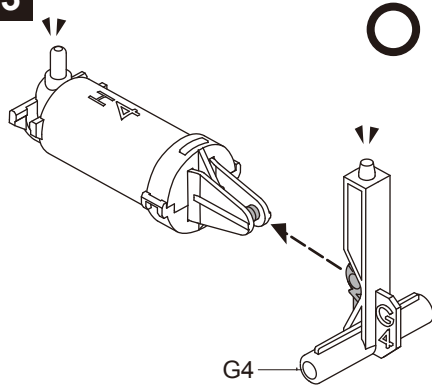
！重要操作，請特別注意

H4 液壓筒組裝

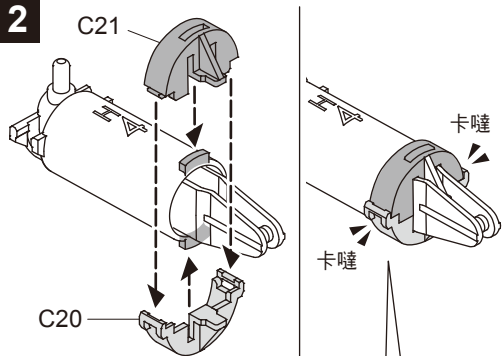
1



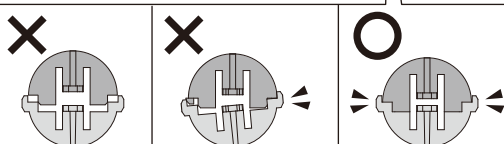
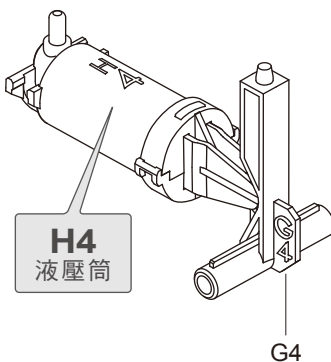
3



2

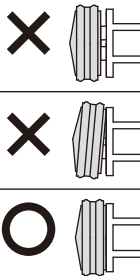
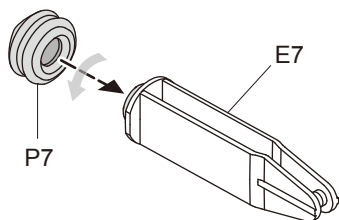


4

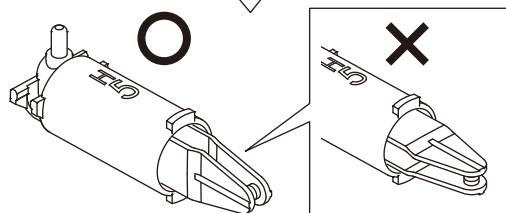
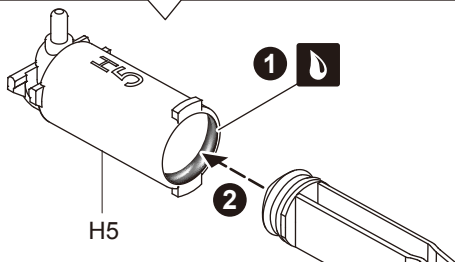
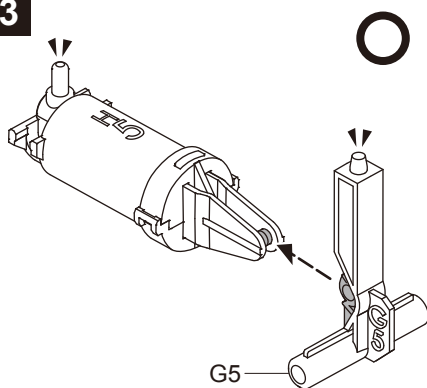


H5 液壓筒組裝

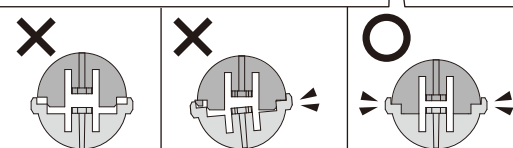
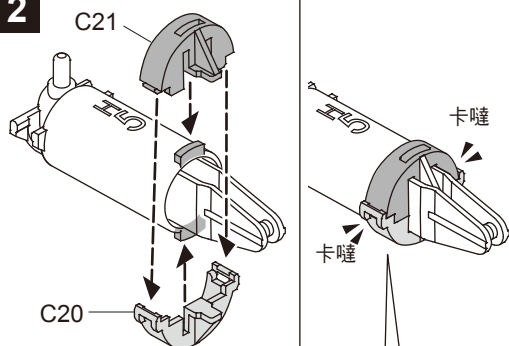
1



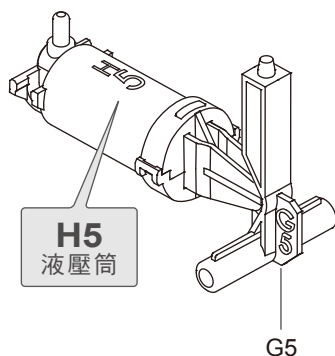
3



2



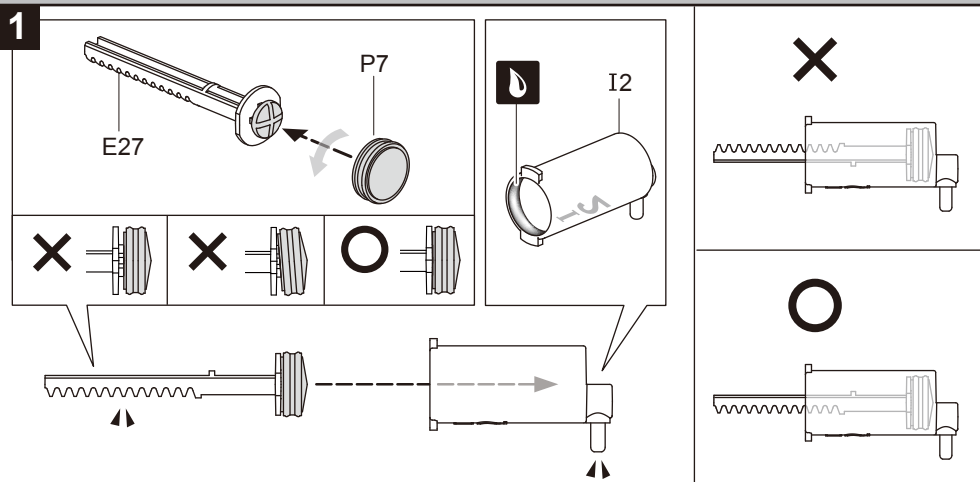
4



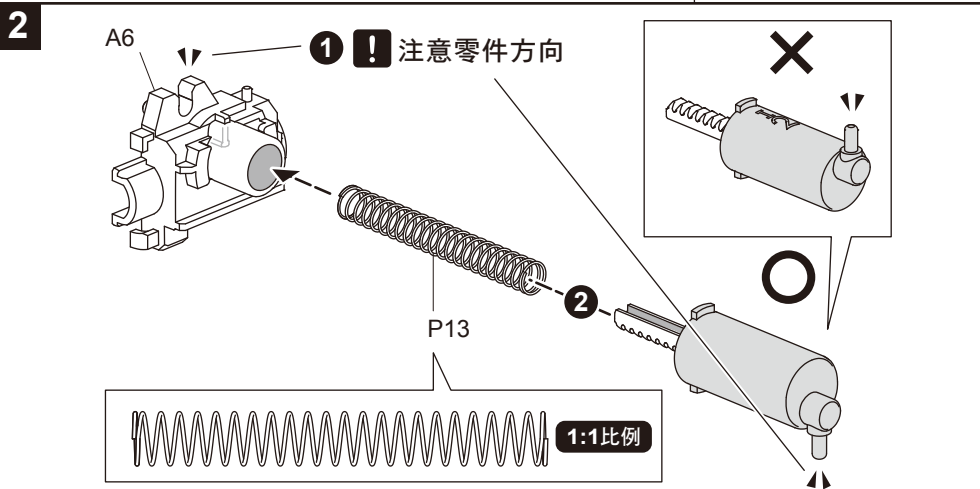
I 1~ I 5 液壓筒組裝

I 1~ I 2 液壓筒組裝

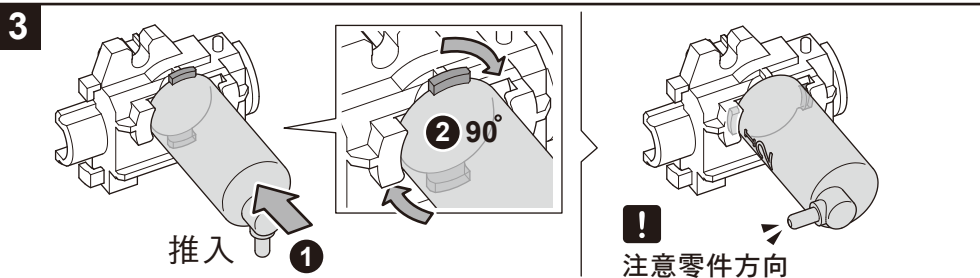
1



2

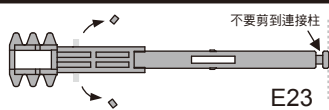


3



4

! 組裝前請先剪除毛邊



E23

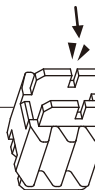


E18

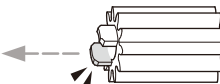
! 組裝前請先剪除毛邊

! 注意! 開口朝上

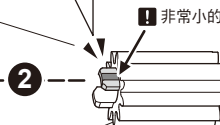
E23



1 ! 注意零件方向

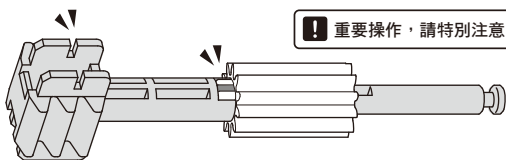


! 非常小的凹槽朝上

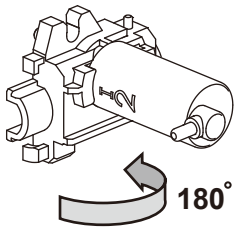


E18

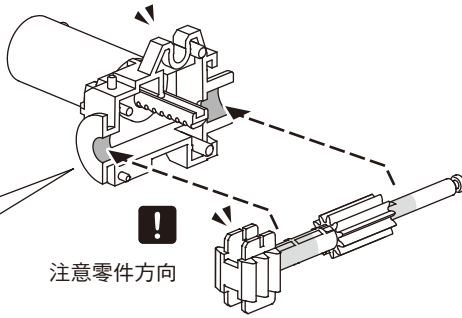
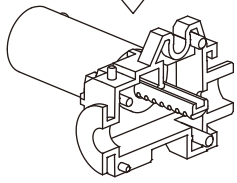
! 重要操作，請特別注意



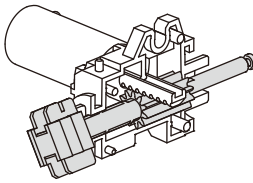
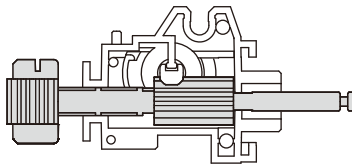
5



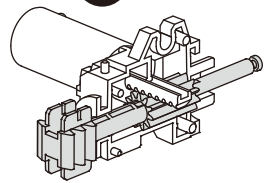
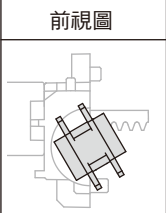
180°



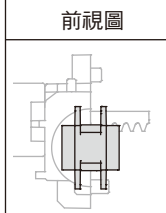
! 注意零件方向

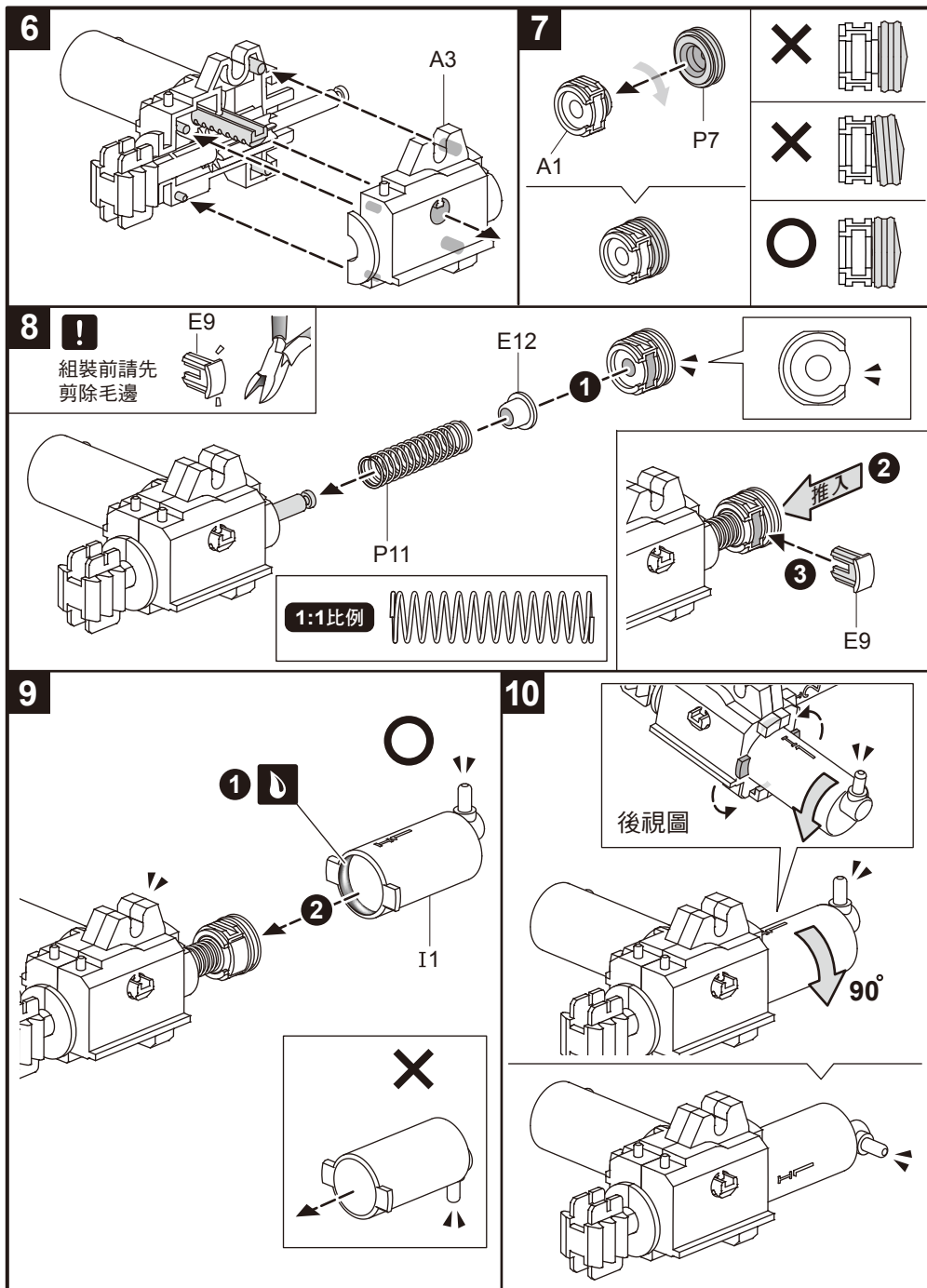


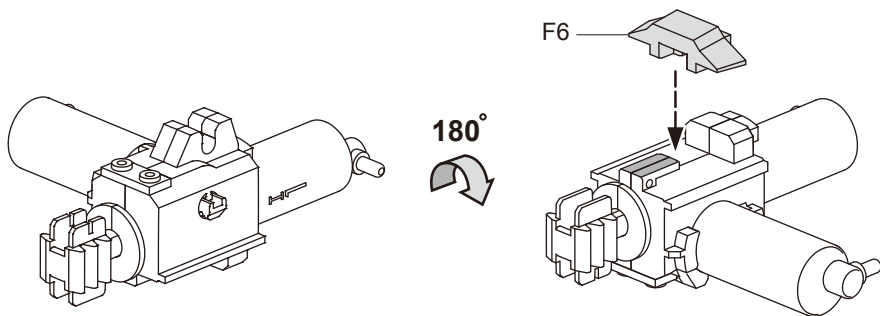
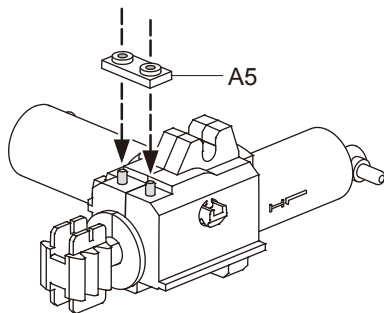
前視圖



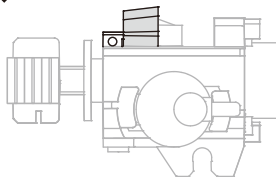
前視圖



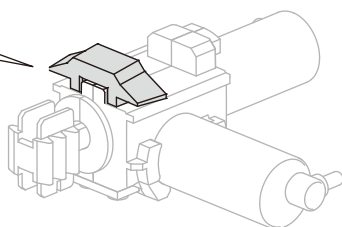
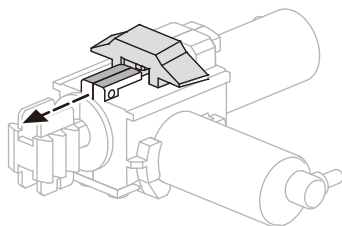
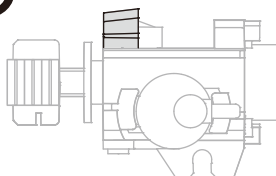




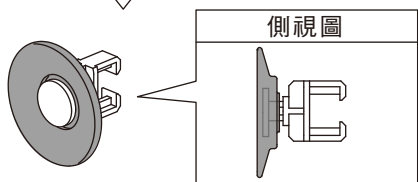
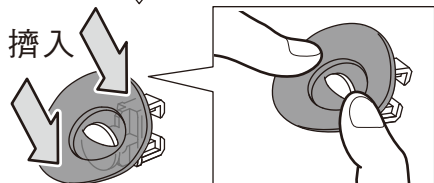
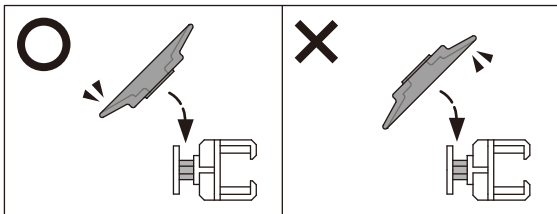
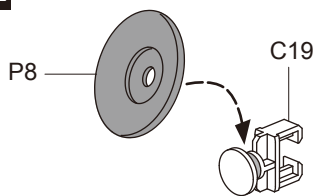
X



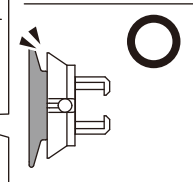
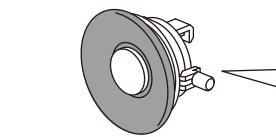
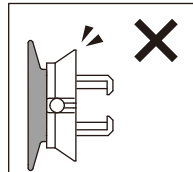
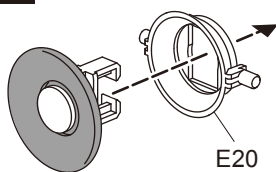
O



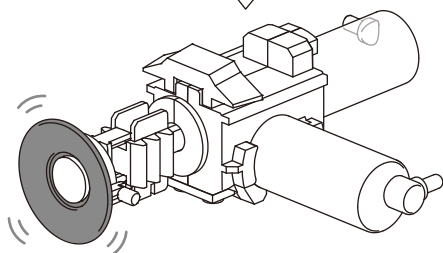
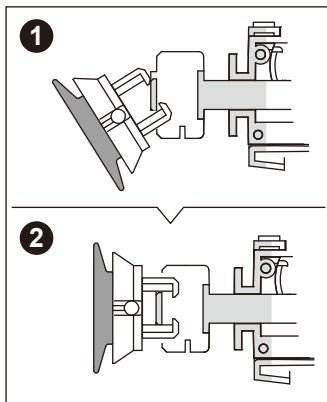
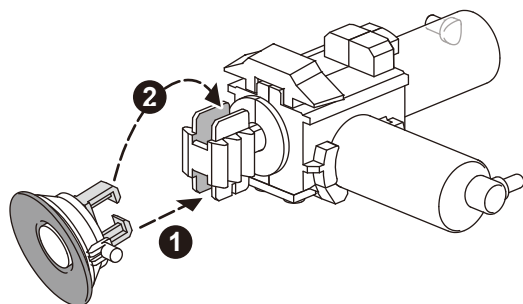
12

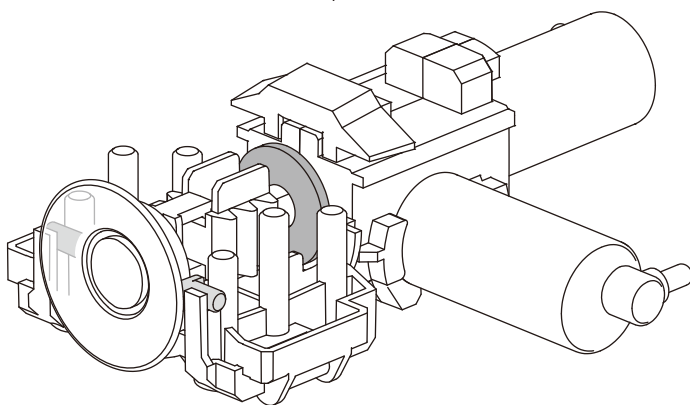
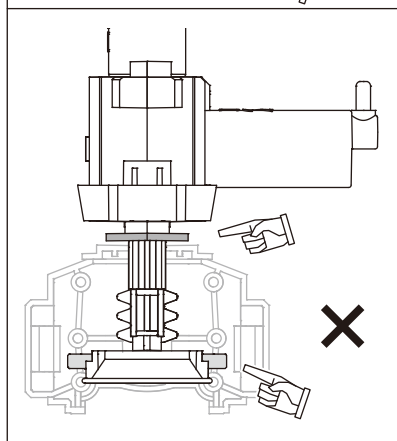
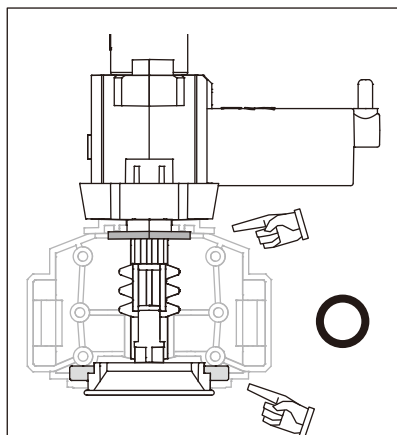
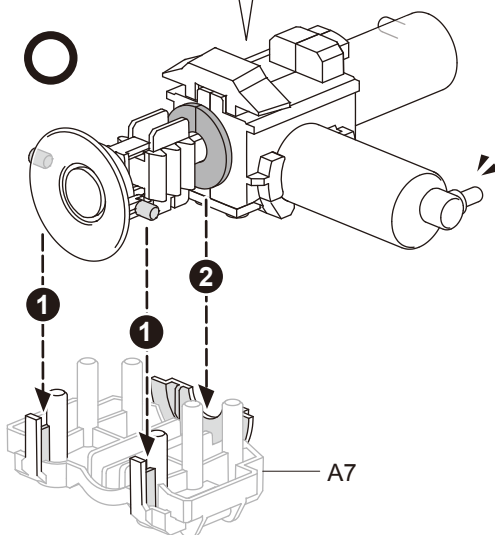
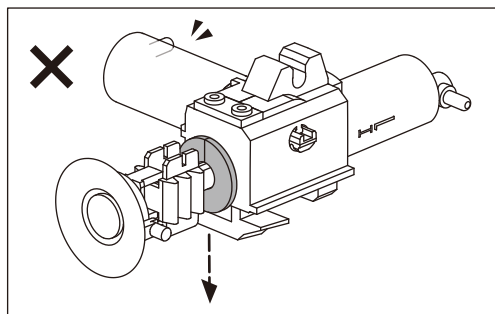


13



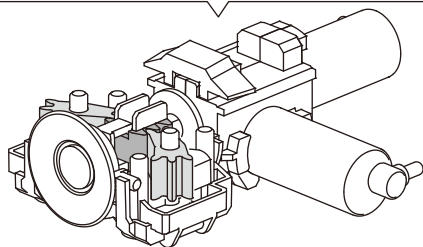
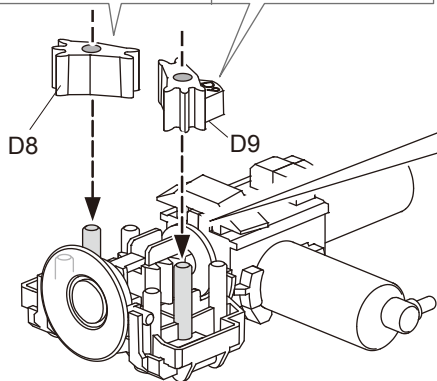
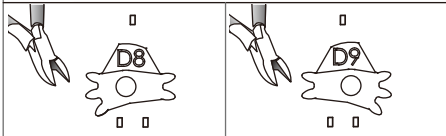
14



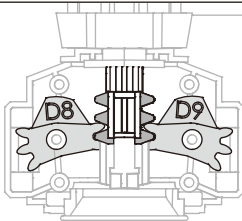
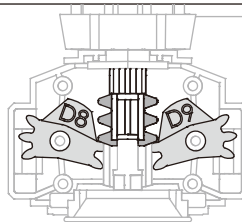
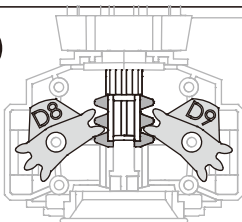


16

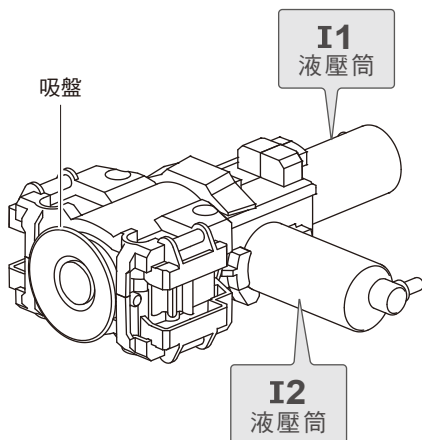
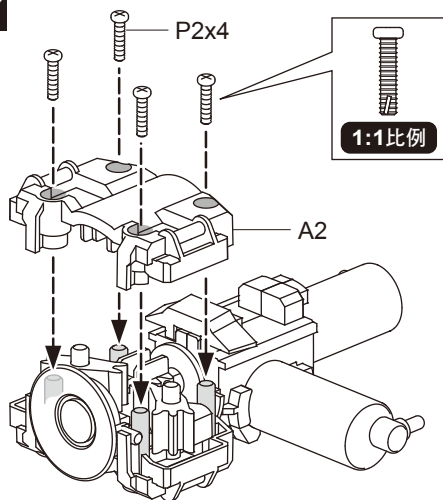
! 組裝前請先剪除毛邊



! 非常重要

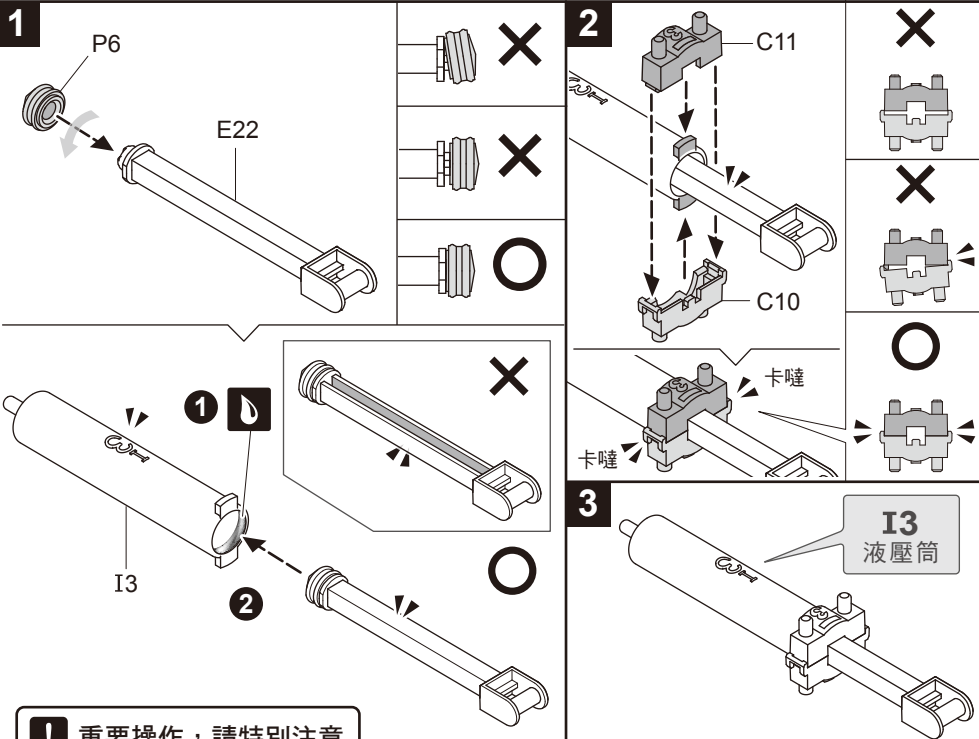


17



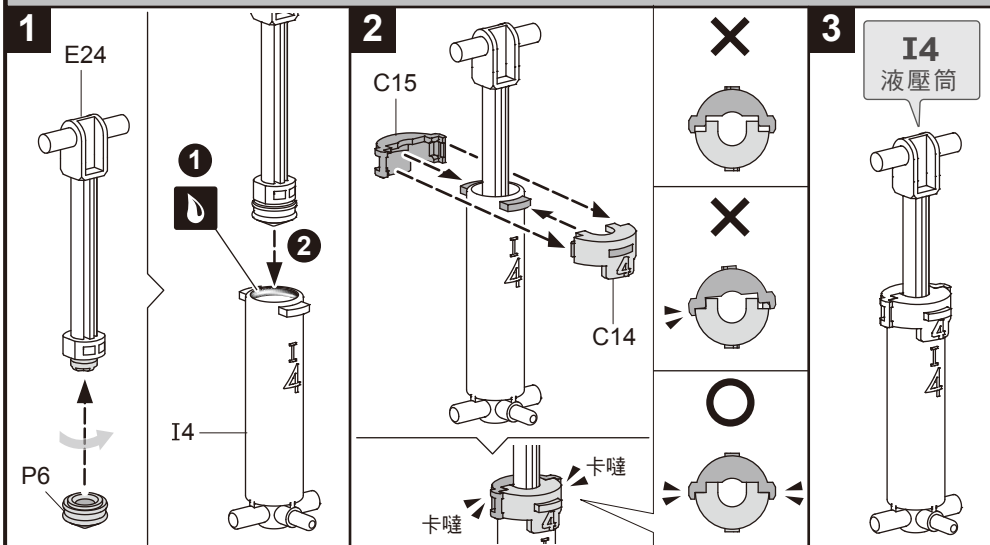
！重要操作，請特別注意

I 3 液壓筒組裝



！重要操作，請特別注意

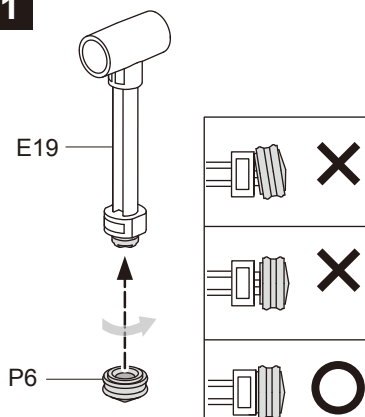
I 4 液壓筒組裝



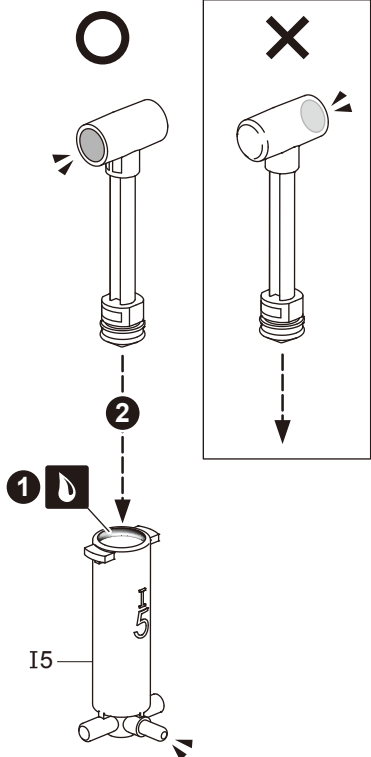
! 重要操作，請特別注意

I 5 液壓筒組裝

1

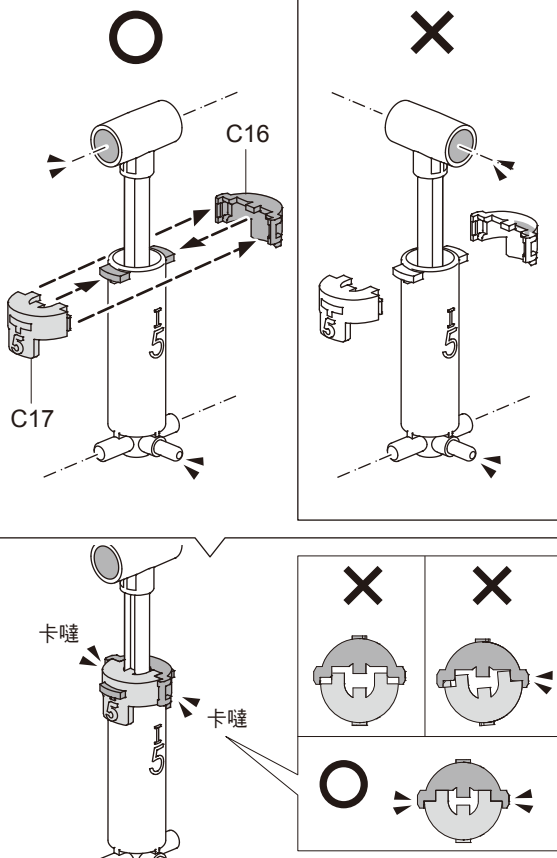


! 注意零件方向

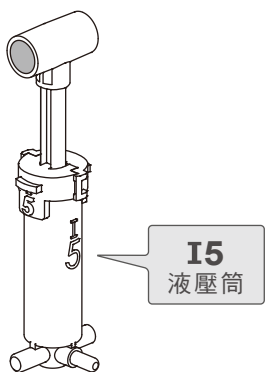


2

! 注意零件方向

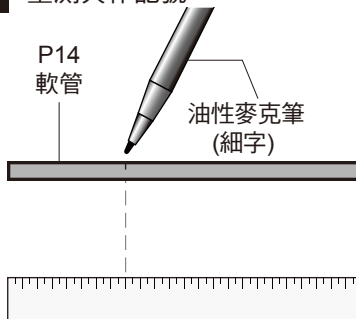


3

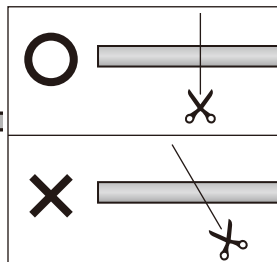
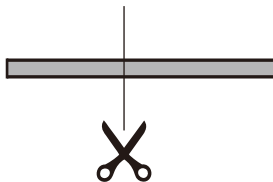


軟管裁切

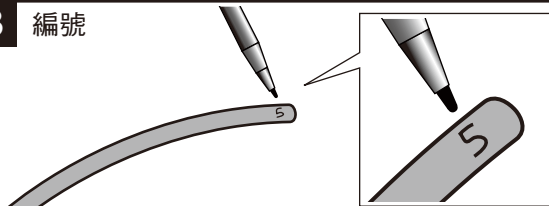
1 量測與作記號



2 剪下



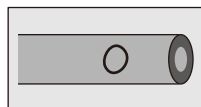
3 編號



4 ! 分別按照以下尺寸量測軟管與作記號, 剪下後予以編號。軟管1和軟管0請用同一根軟管剪切

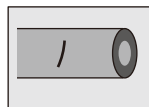
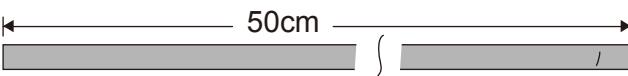
軟管

0



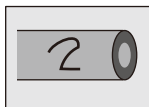
軟管

1



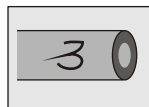
軟管

2



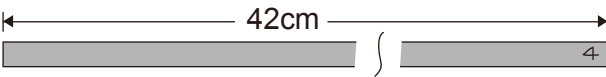
軟管

3



軟管

4



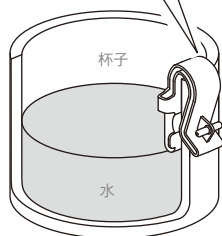
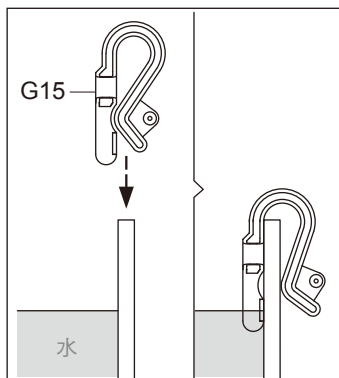
軟管

5



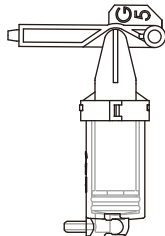
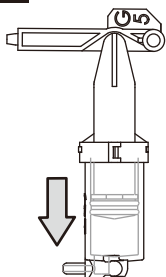
液壓筒裝水說明

1

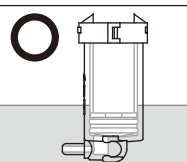
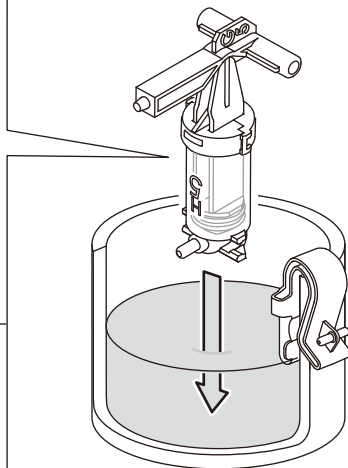


杯子內倒入一半的水

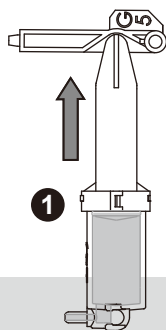
2



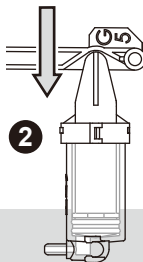
! 將活塞
推到底



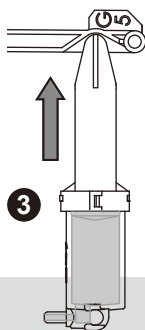
3



1



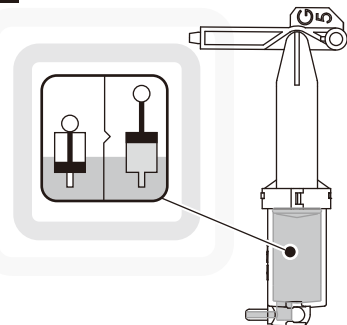
2



3

- ❶ 將活塞拉到上方
- ❷ 將活塞壓到底部
- ❸ 重複2 & 3步驟將液壓筒裝滿水

4

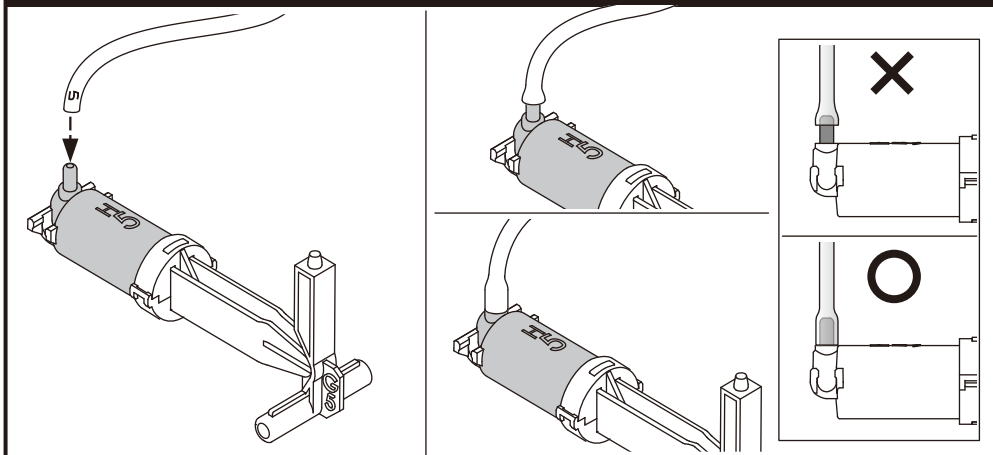


注意



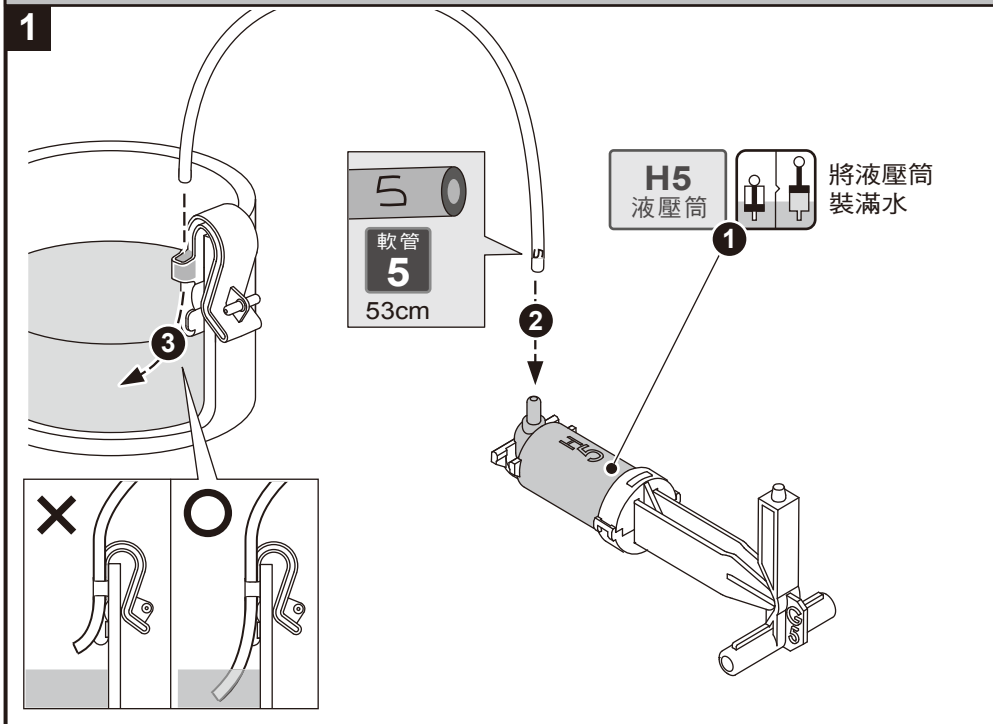
後續步驟出現此圖時，
依照步驟3方式將液壓
筒填滿水

軟管與液壓筒組裝

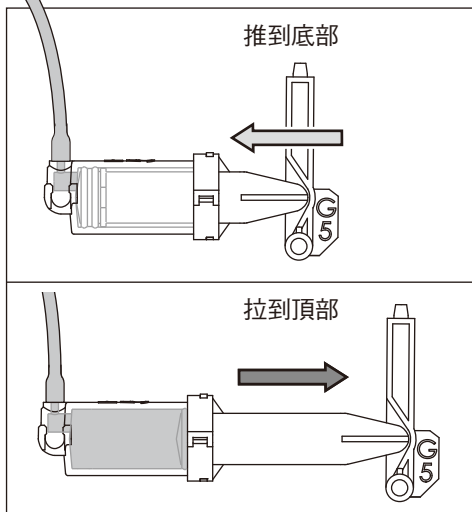
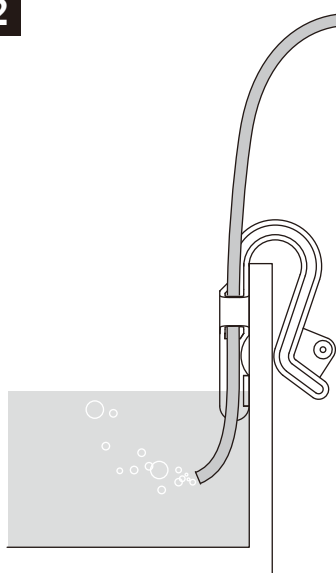


液壓筒模組組裝

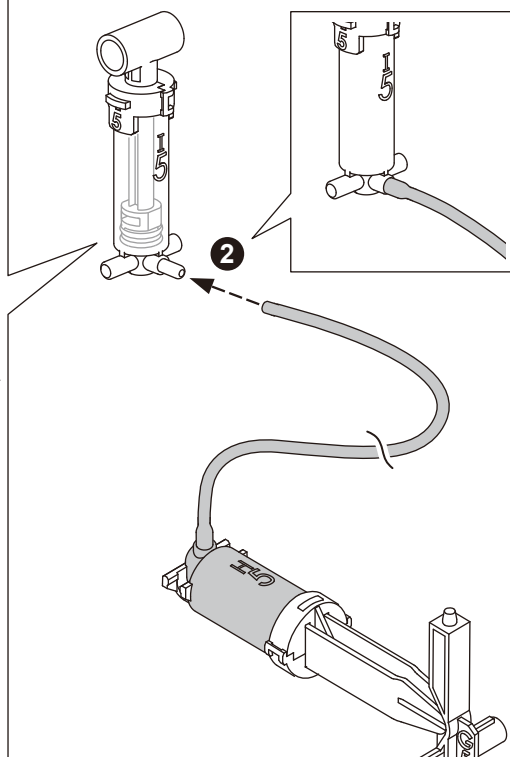
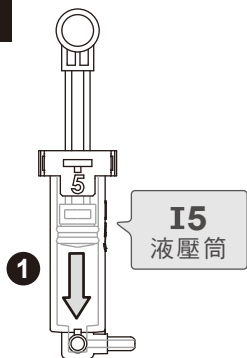
連接 H5 和 I5



2



3



! 將活塞推到底部

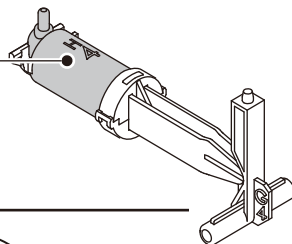
連接 H4 和 I4

1

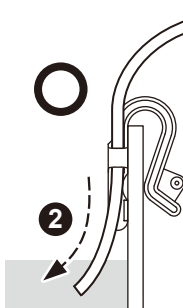
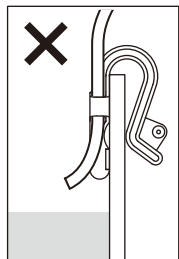
H4
液壓筒



將液壓筒裝滿水

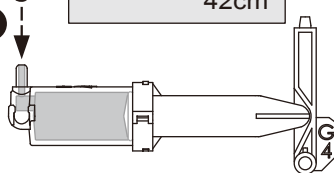


2

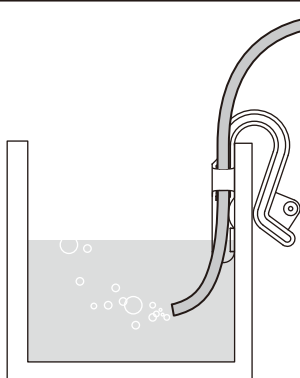


1

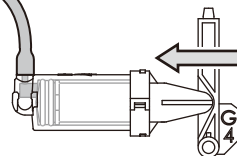
4
軟管
4
42cm



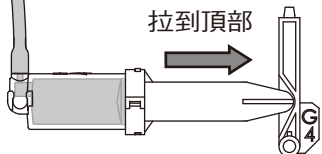
3



推到底部



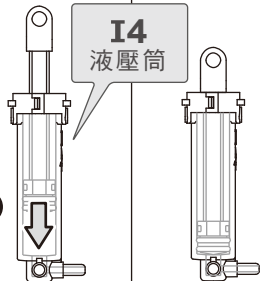
拉到頂部



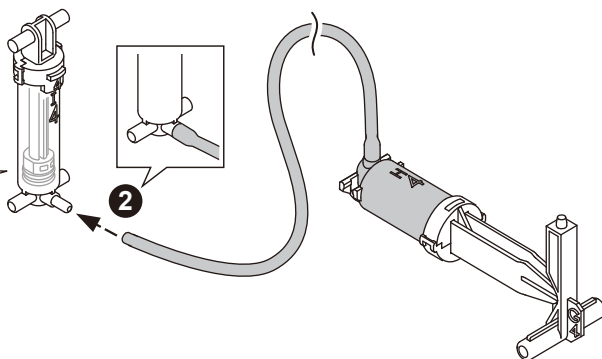
4

I4
液壓筒

1



2



! 將活塞推到底部

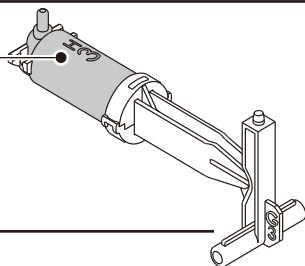
連接 H3 和 I3

1

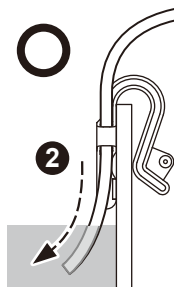
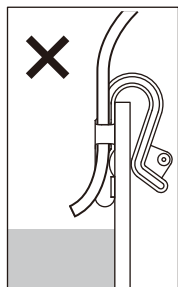
H3
液壓筒



將液壓筒裝滿水

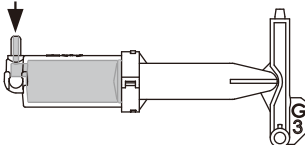


2

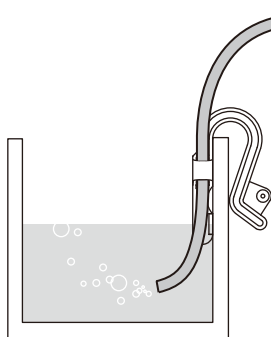


1

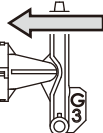
軟管 **3**
38cm



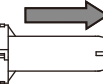
3



推到底部

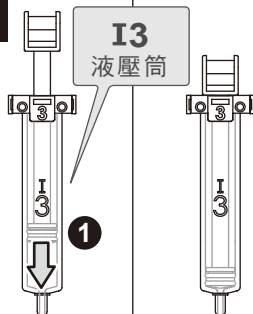


拉到頂部

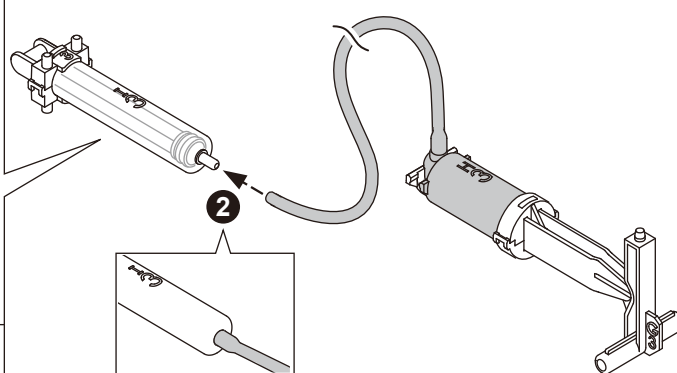


4

I3
液壓筒



！ 將活塞推到底部



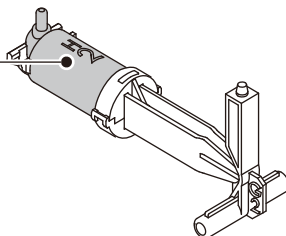
連接 H2 和 I2

1

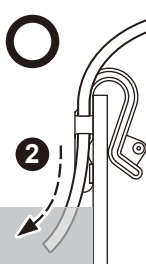
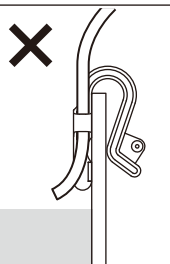
H2
液壓筒



將液壓筒裝滿水

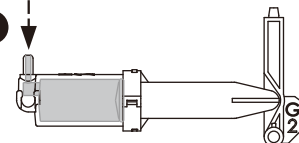


2

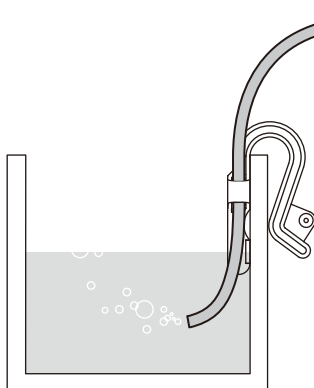


1

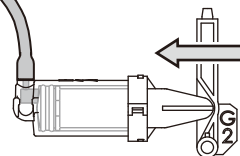
軟管
2
56cm



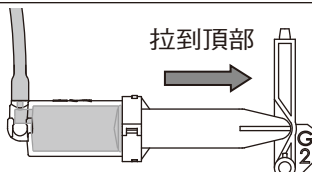
3



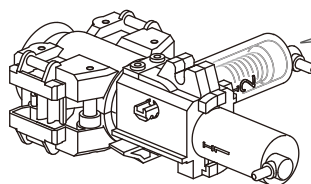
推到底部



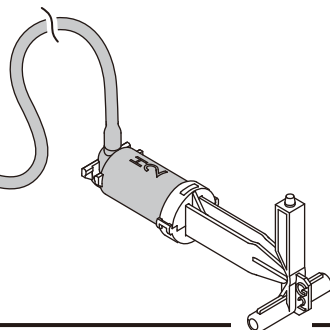
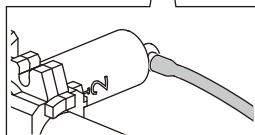
拉到頂部



4



I2
液壓筒



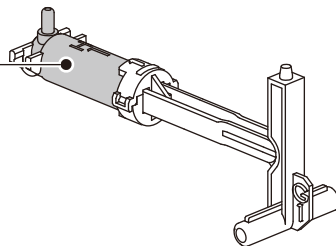
連接H1、H0和I1

1

H1
液壓筒



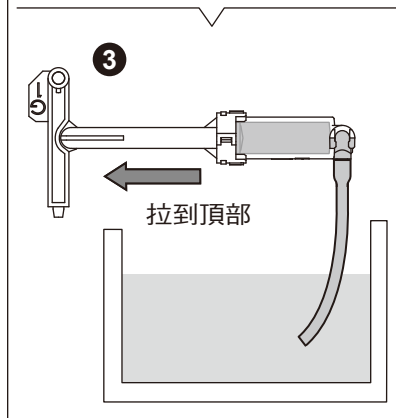
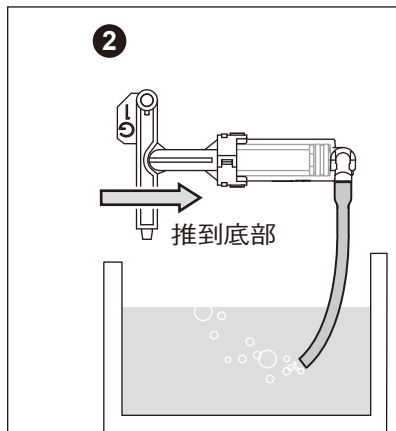
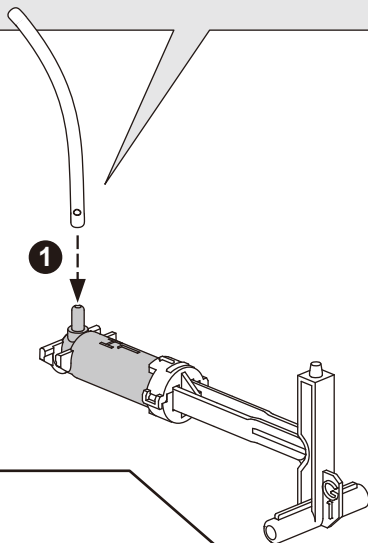
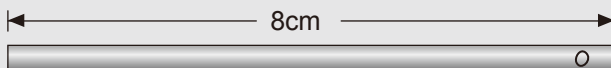
將液壓筒裝滿水



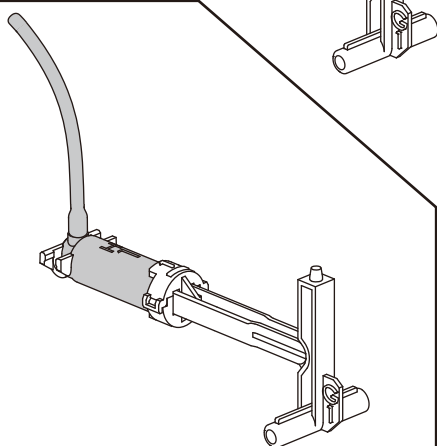
2

軟管
0

1:1



3



4

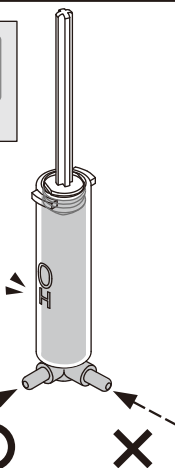
推到底部

拉到頂部

H0
液壓筒



軟管
1
50cm

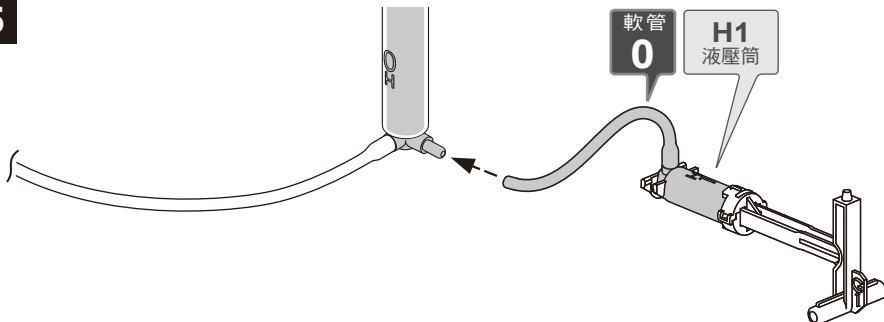


! 注意零件方向

5

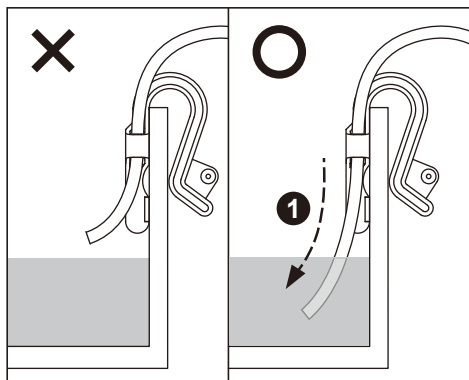
軟管
0

H1
液壓筒



6

2 將活塞推到底部

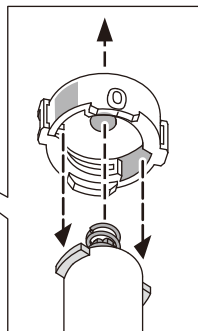
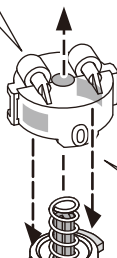
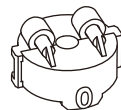
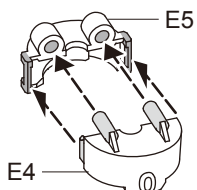
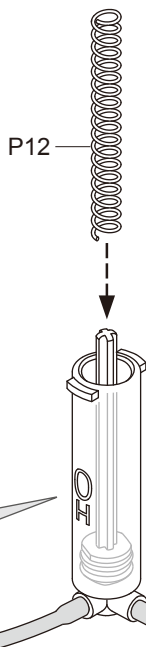


7

P12



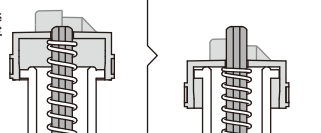
1:1比例

H0
液壓筒

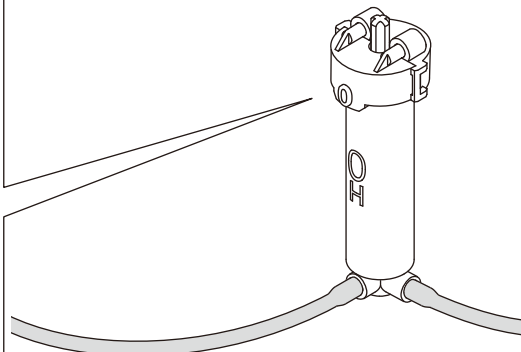
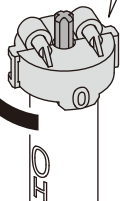
8

1

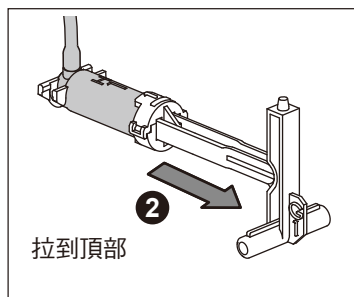
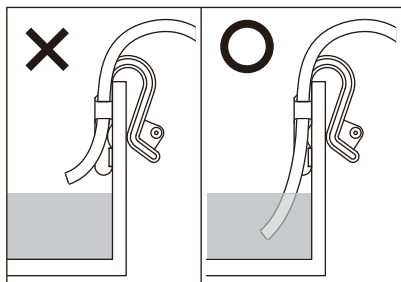
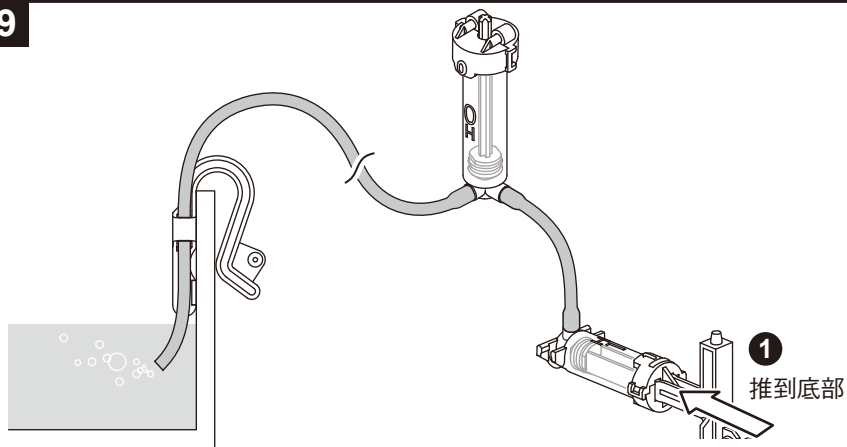
往下壓



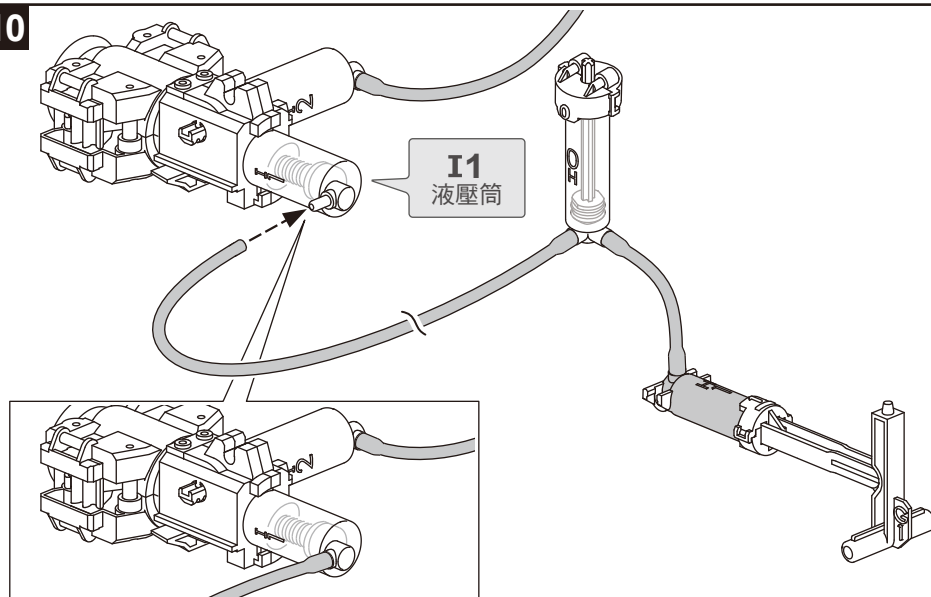
2



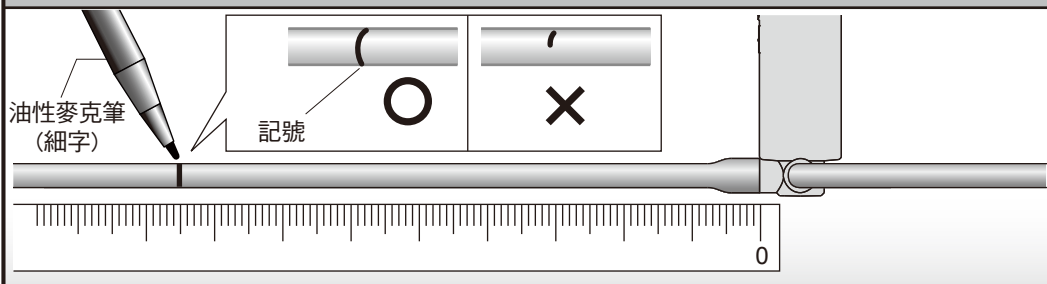
9



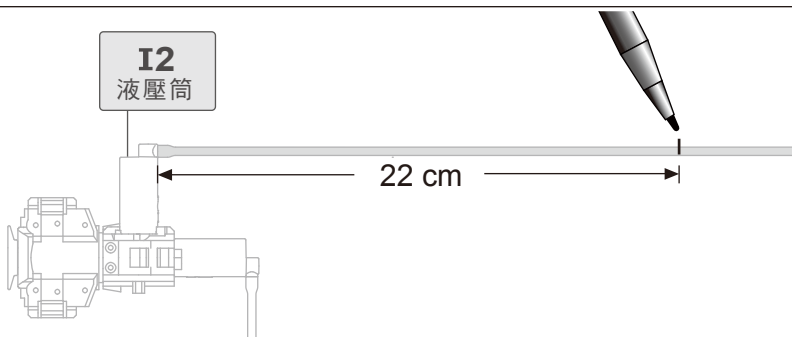
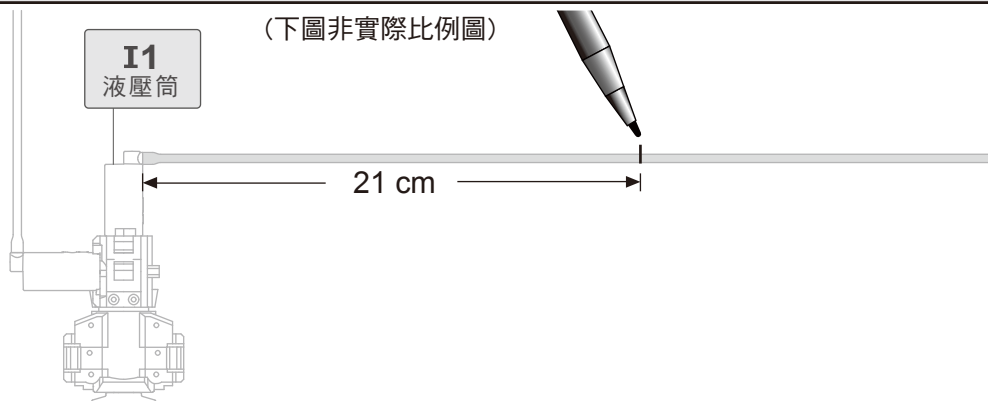
10

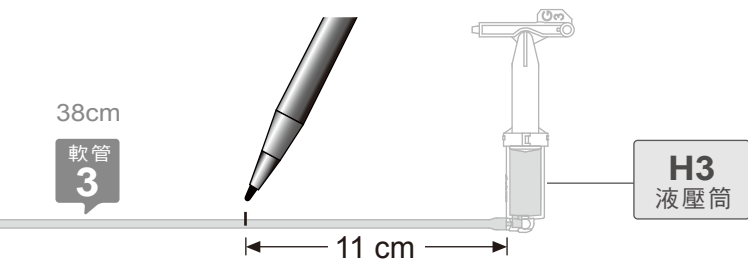
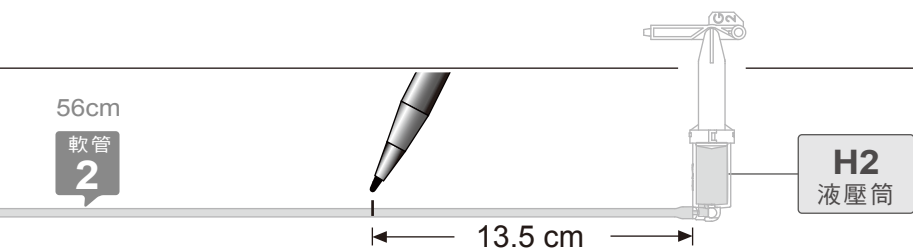
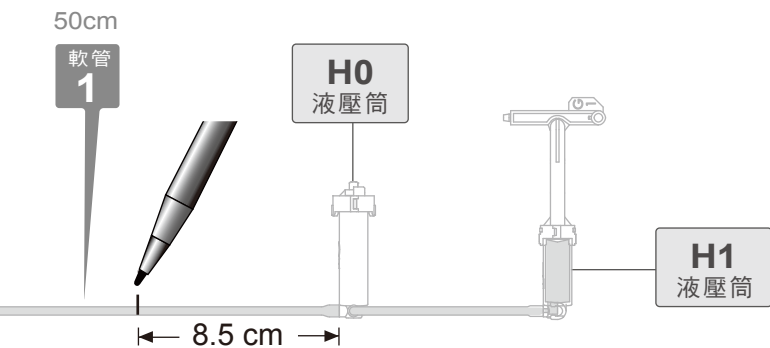


量測與作記號



(下圖非實際比例圖)





42cm
(16.54 inches)

軟管
4

I4
液壓筒

H4
液壓筒



5.5 cm

13.5 cm

53cm
(20.87 inches)

軟管
5

I5
液壓筒

H5
液壓筒



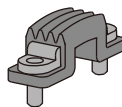
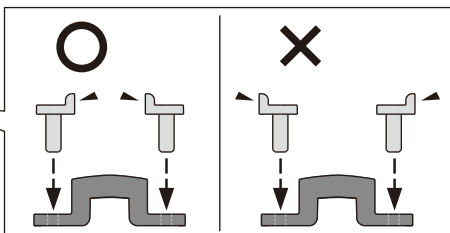
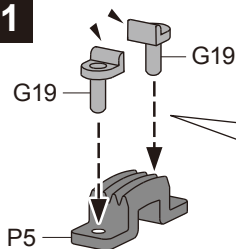
14.5 cm

15.5 cm



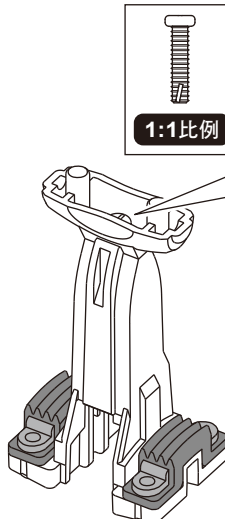
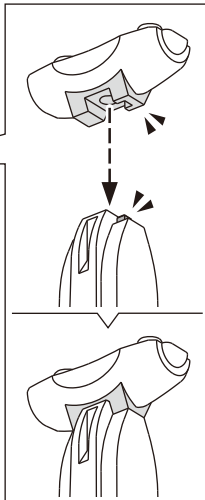
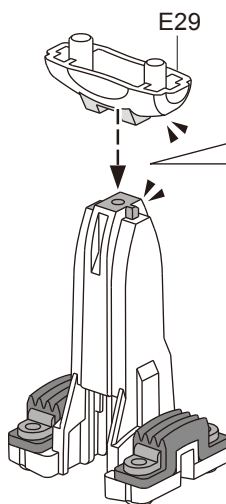
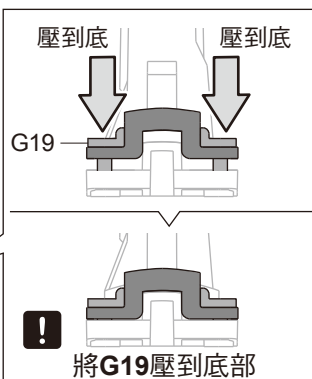
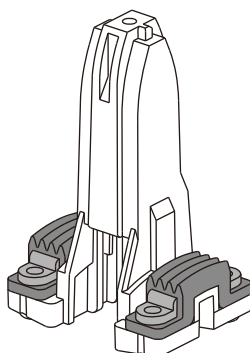
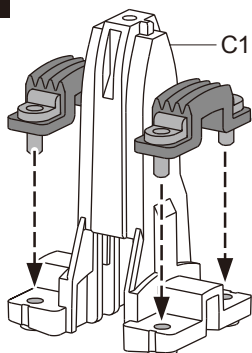
非常重要! P5 墊片必須乾淨不能沾到油，
組裝前請注意手是乾淨且P5是乾燥的

1



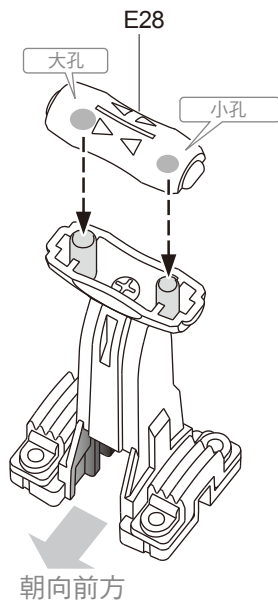
請做10組

2

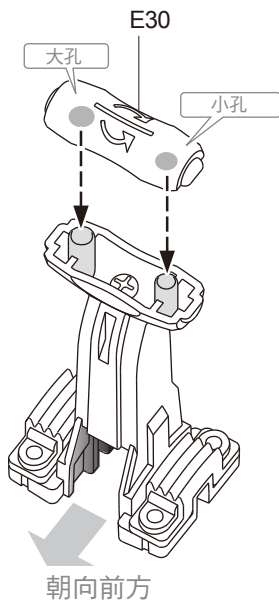


請做5組

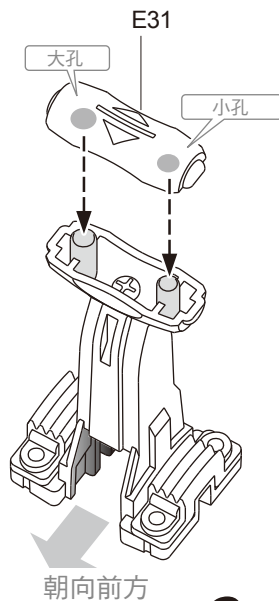
3



4

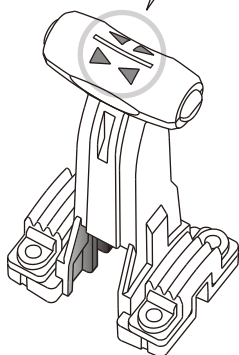


5

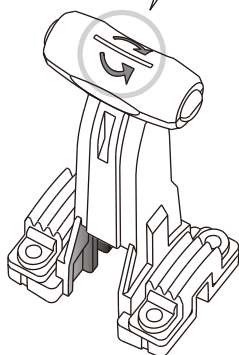


請做**3**組

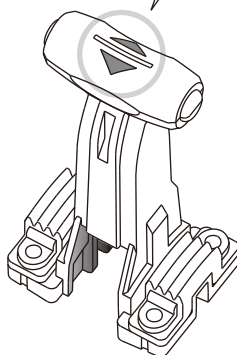
操縱桿 1



操縱桿 2



操縱桿 3.4.5



控制盤與液壓筒模組組裝

單元1：H0, H1 液壓筒與操縱桿 1

1

基座和控制盤

H1
液壓筒

P10

2

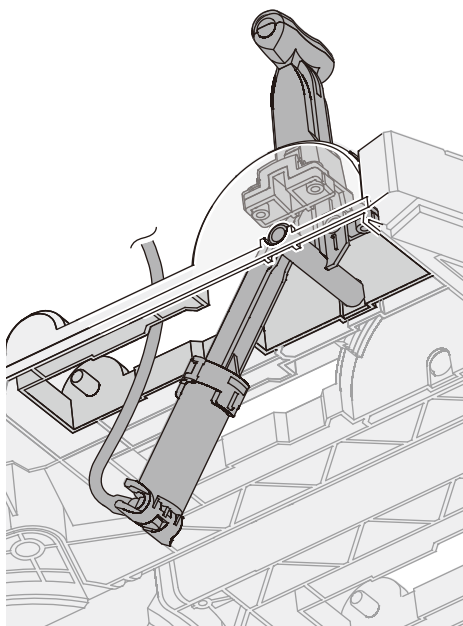
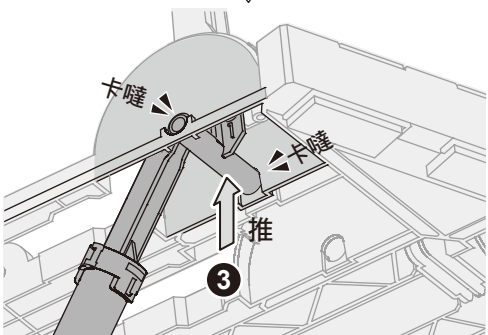
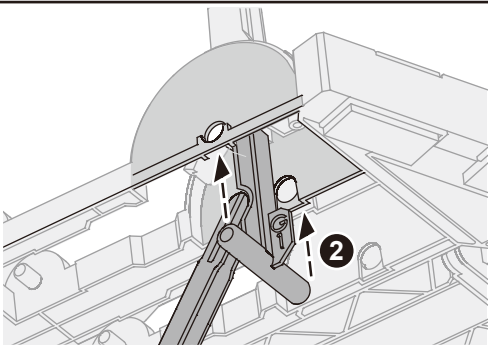
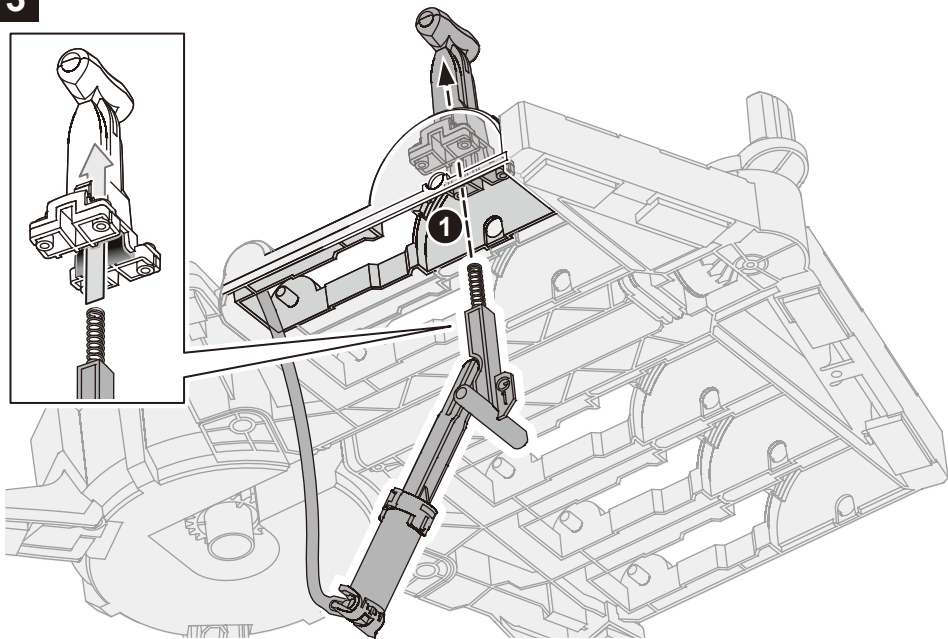
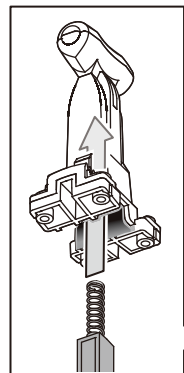
操縱桿1 !

朝向前方

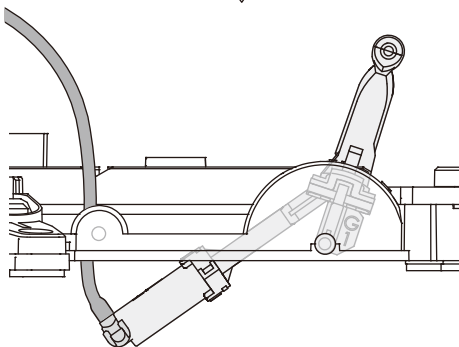
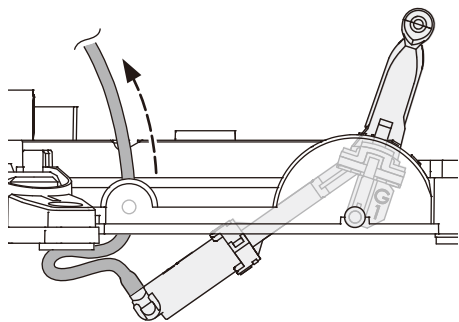
! 注意零件方向

前視圖

3

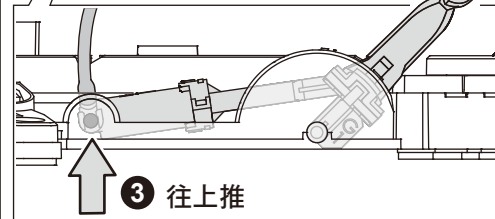
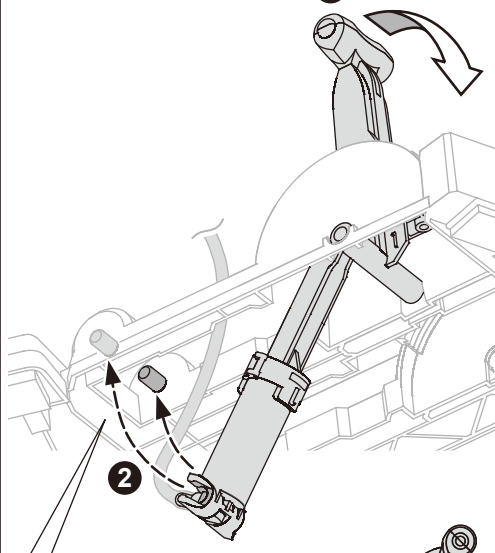


4

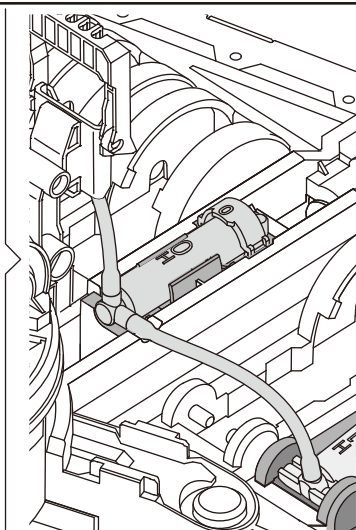
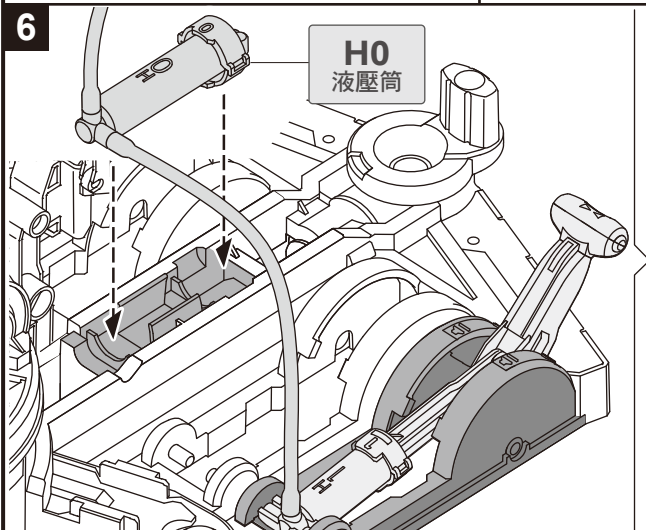


5

① 往後拉

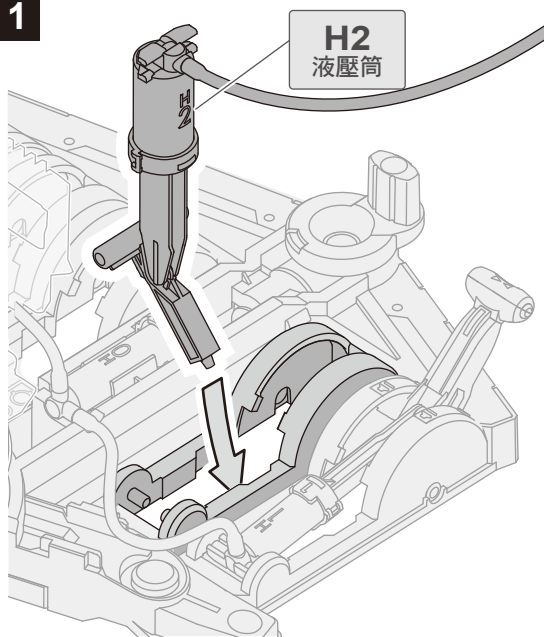


6

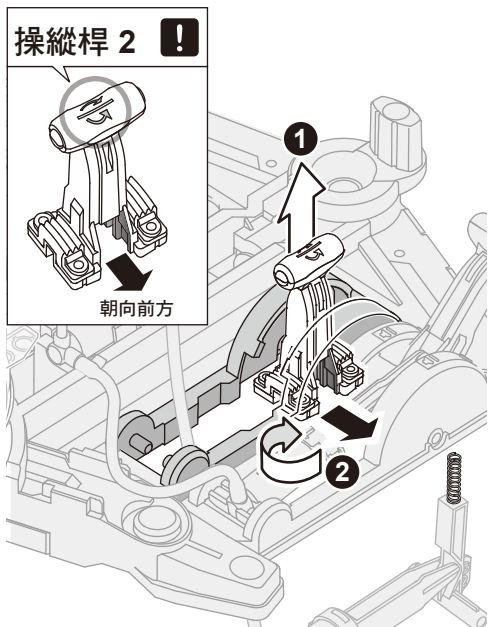
H0
液壓筒

單元2：H2 液壓筒與操縱桿 2

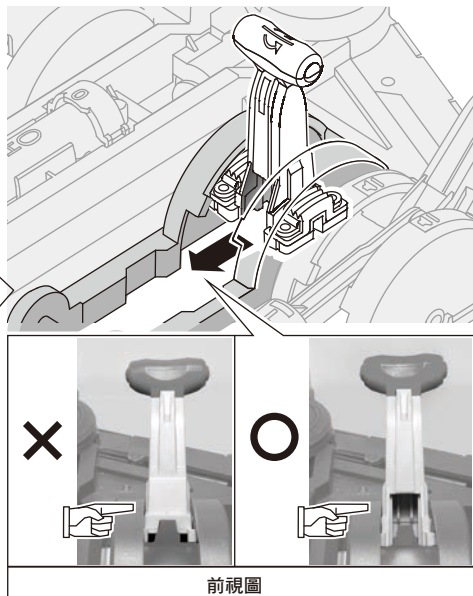
1



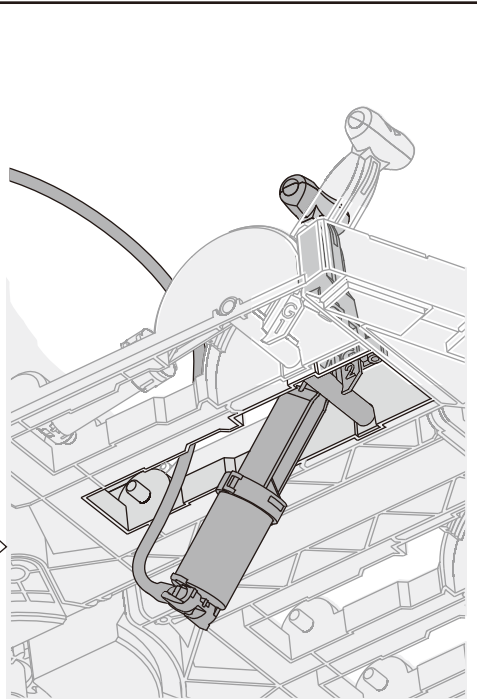
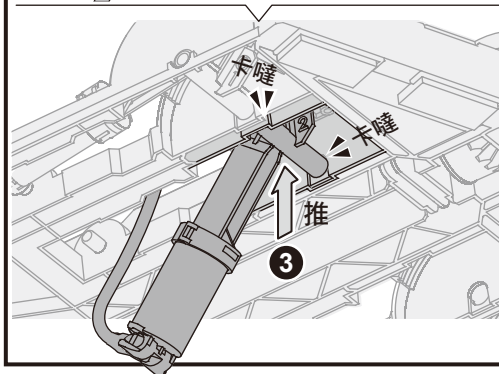
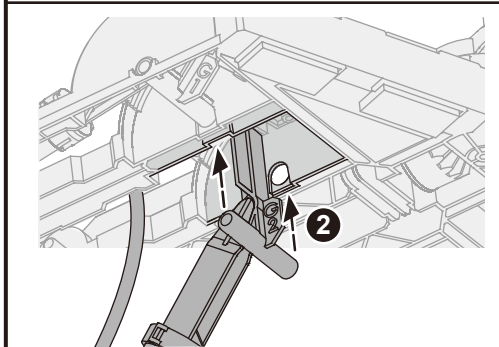
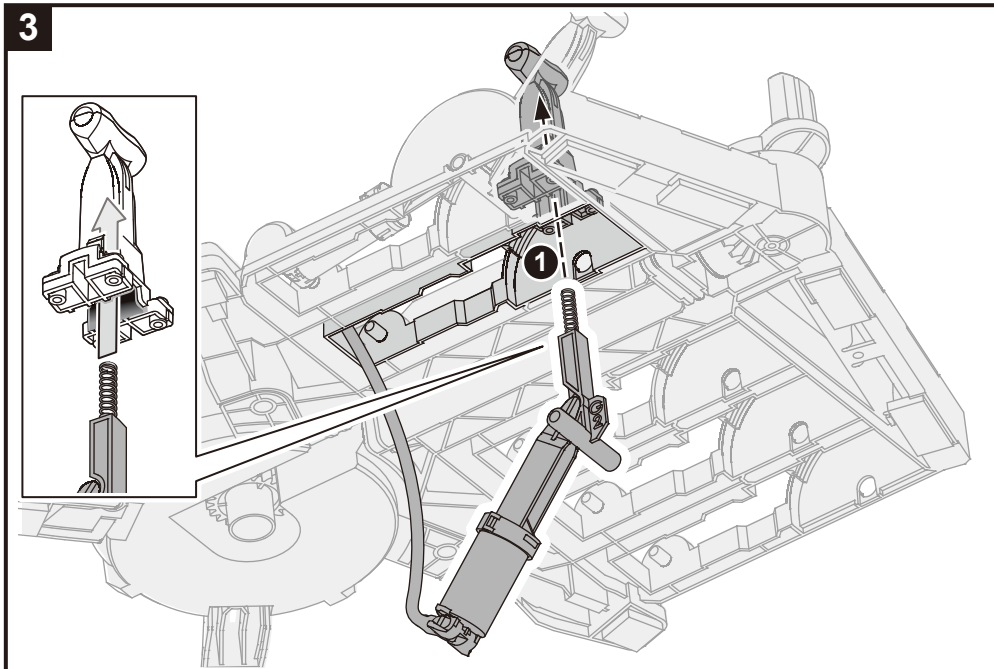
2

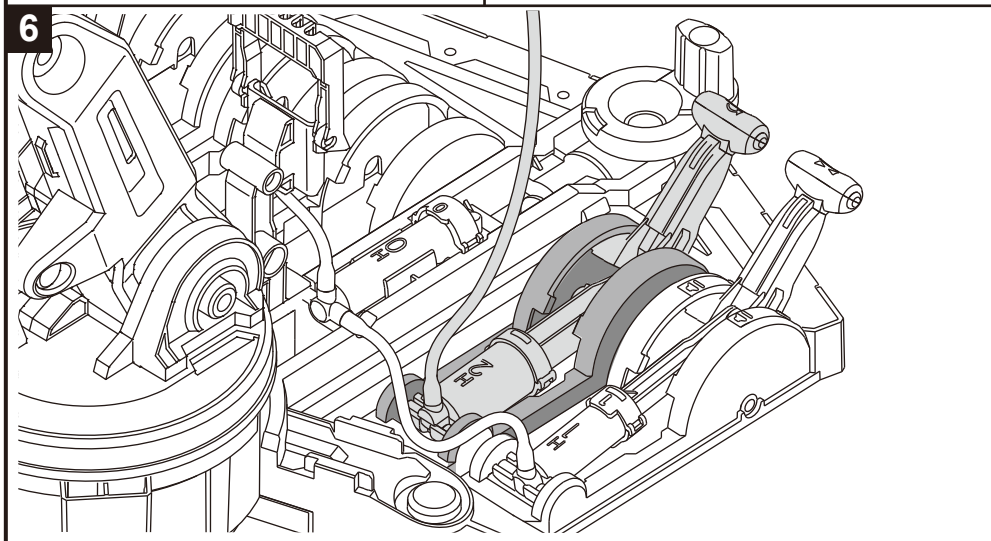
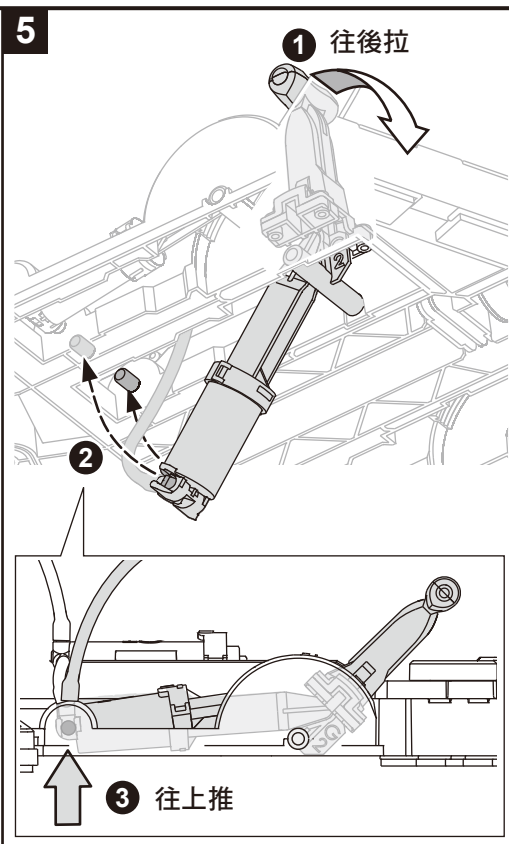
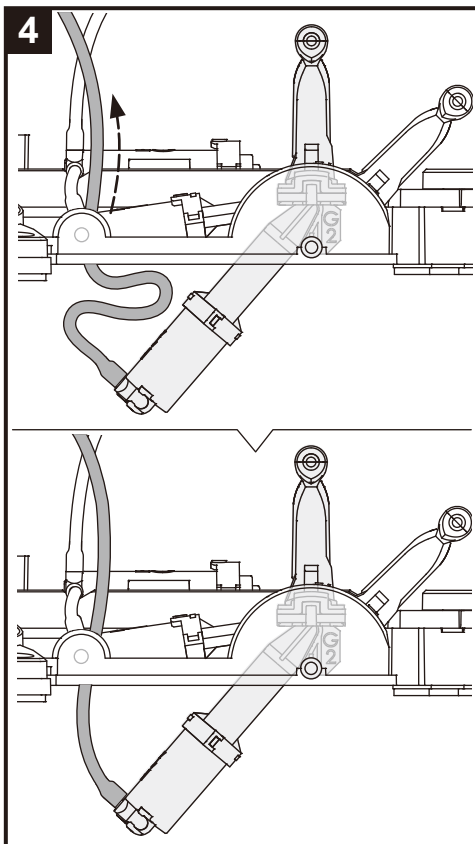


！ 注意零件方向

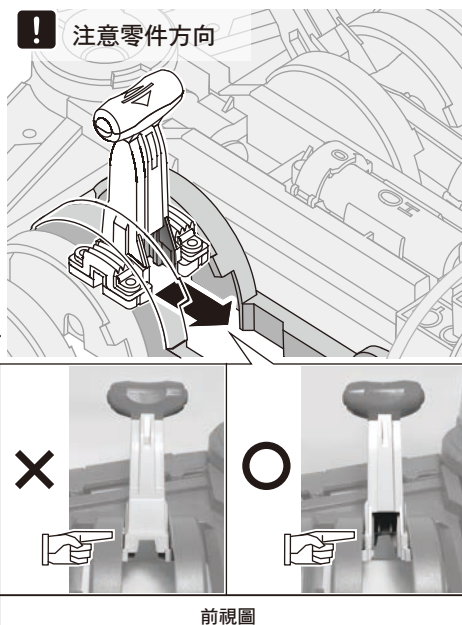
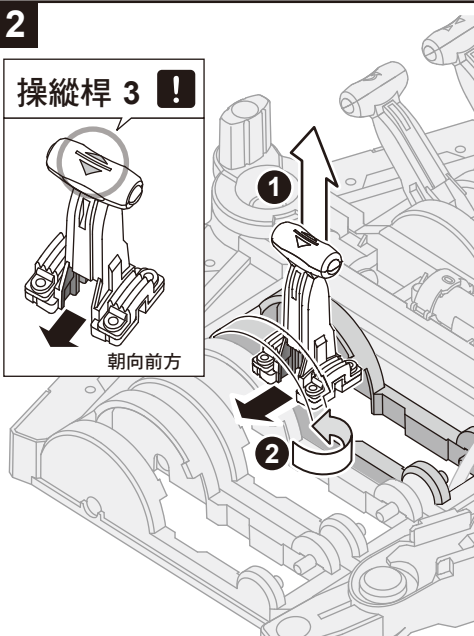
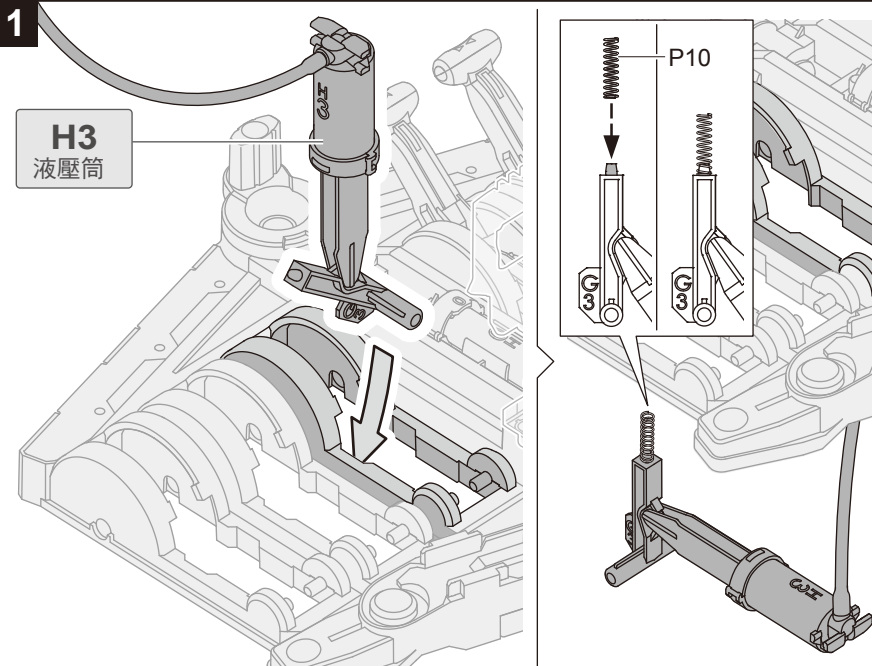


3

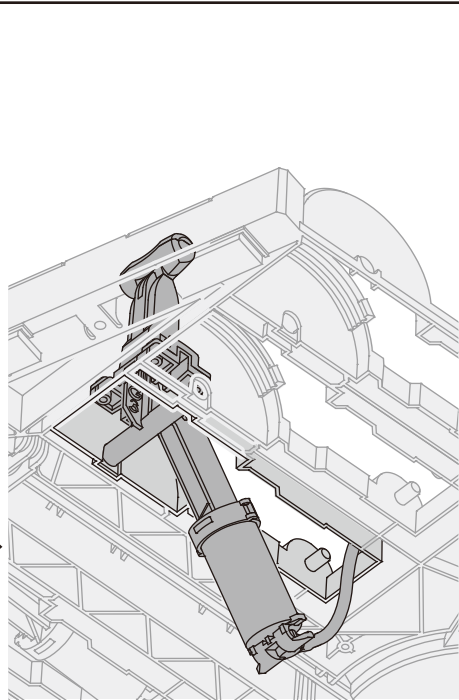
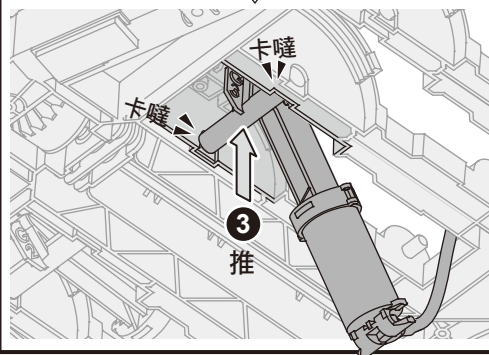
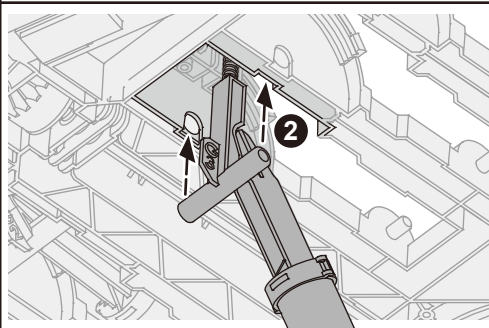
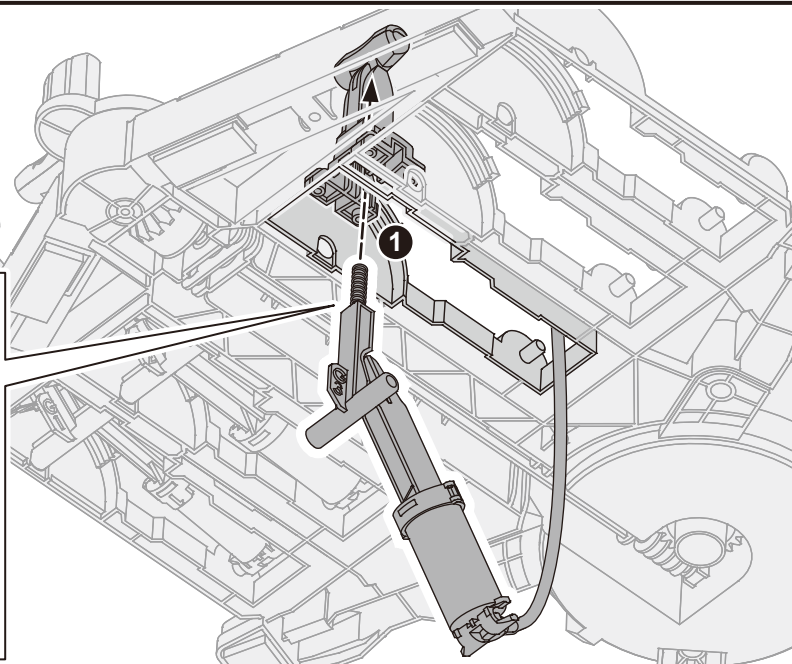
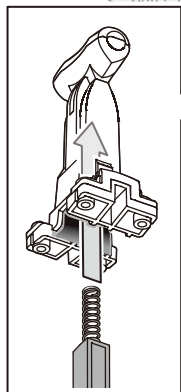




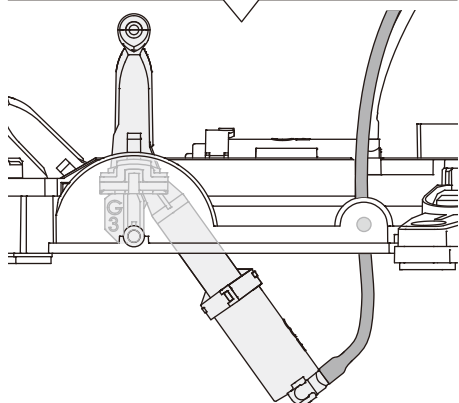
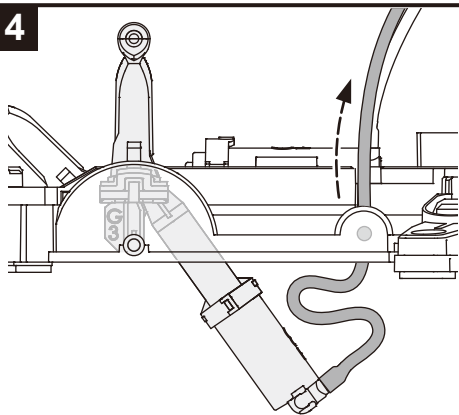
單元3：H3 液壓筒與操縱桿 3



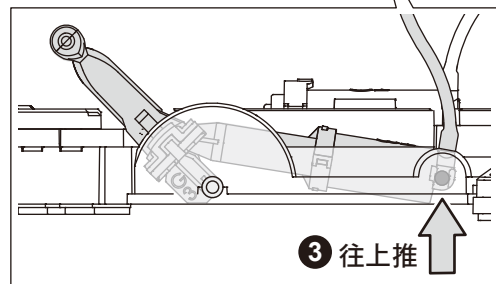
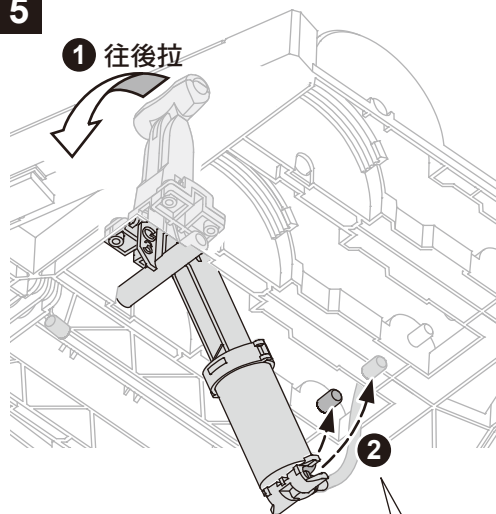
3



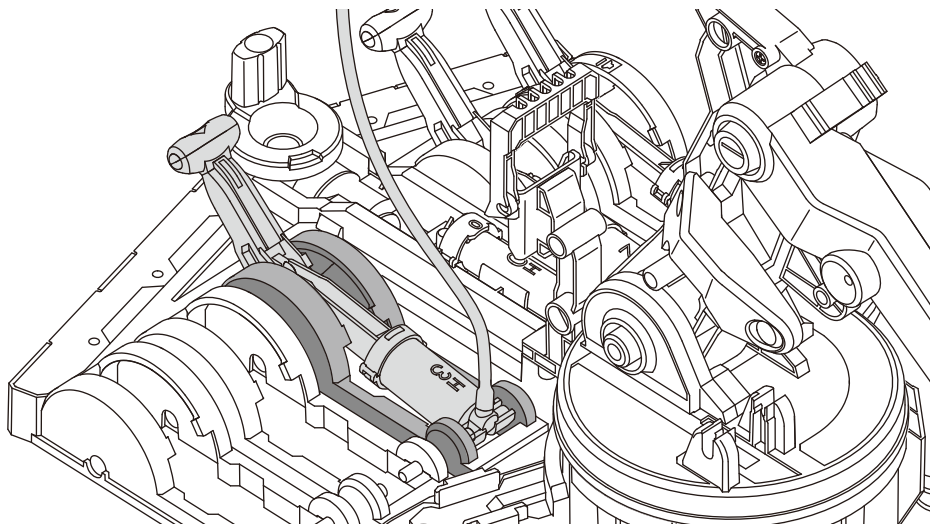
4



5

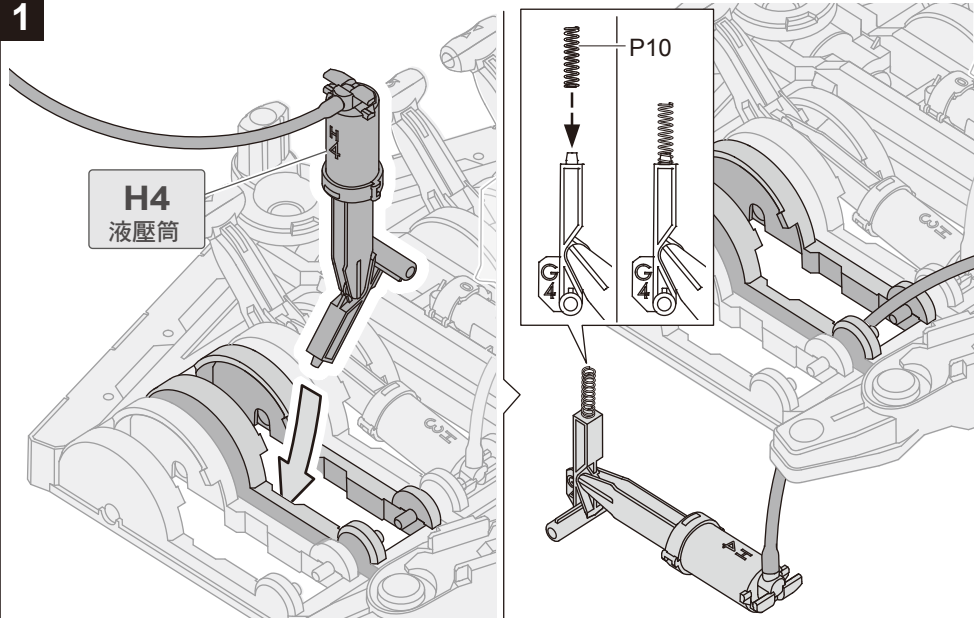


6

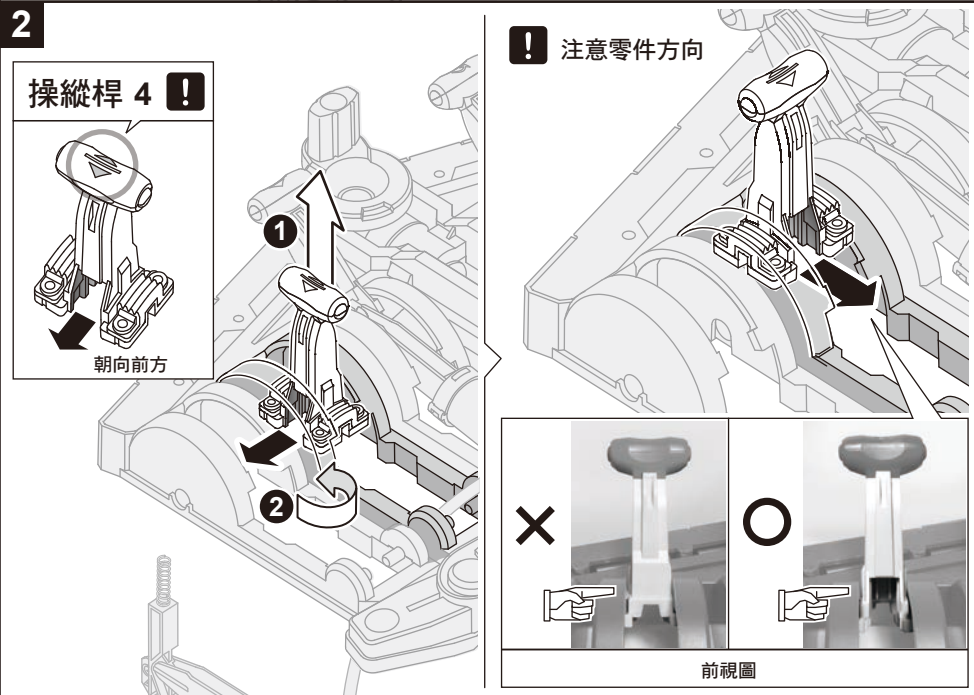


單元4：H4 液壓筒與操縱桿 4

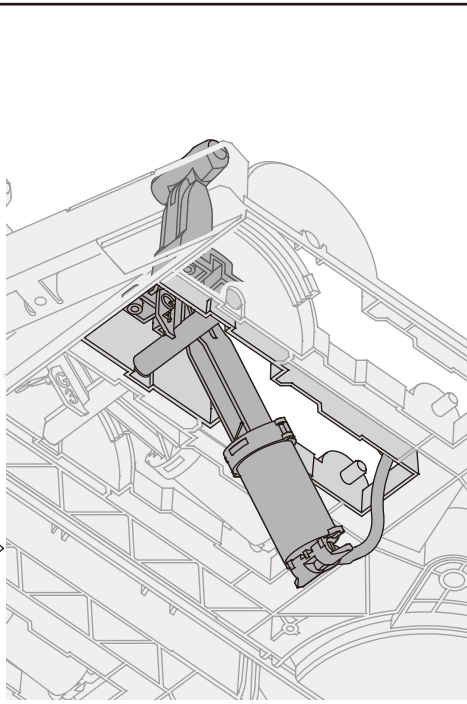
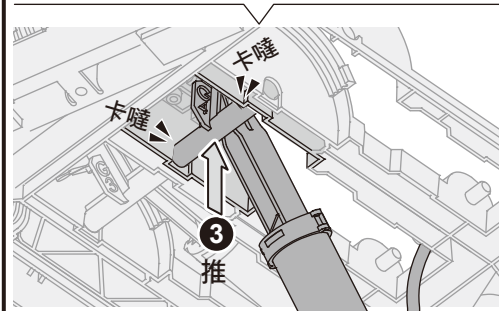
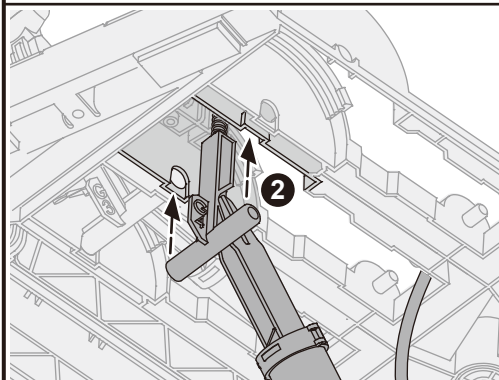
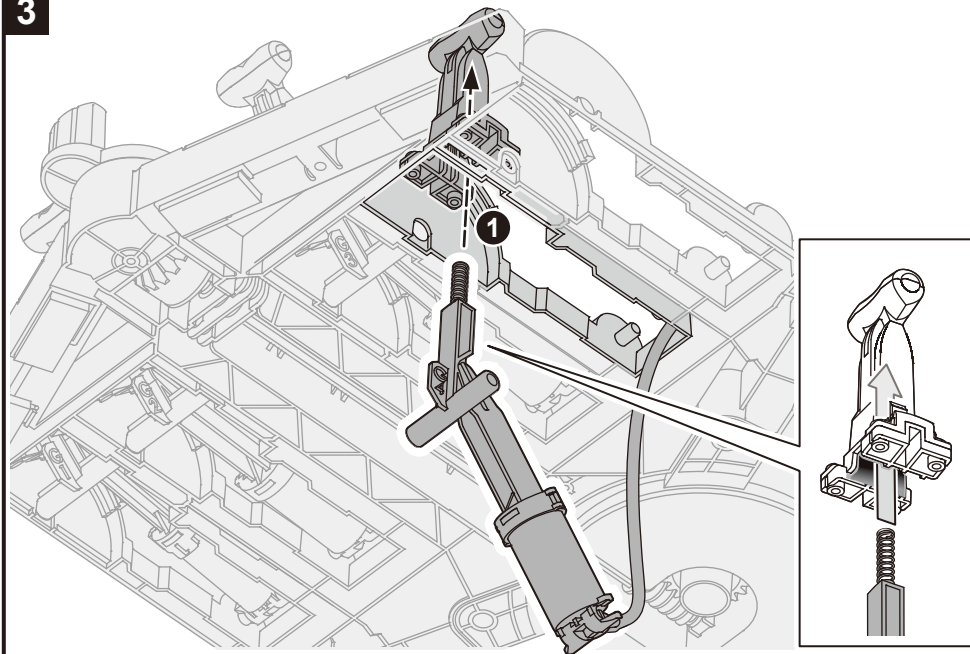
1



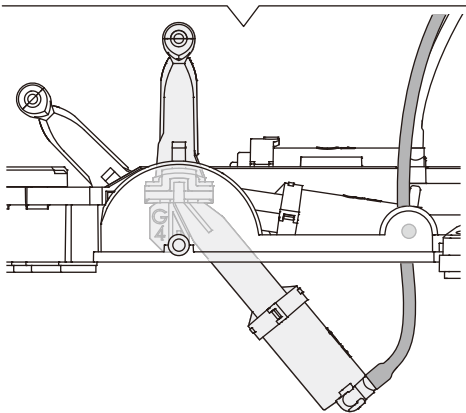
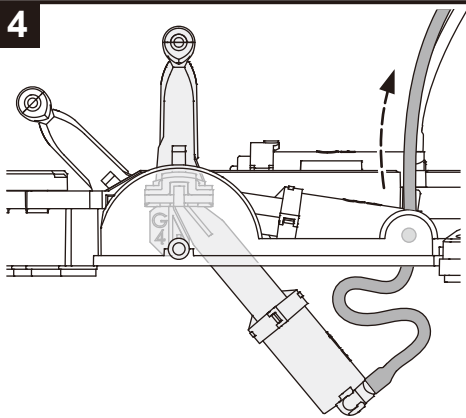
2



3

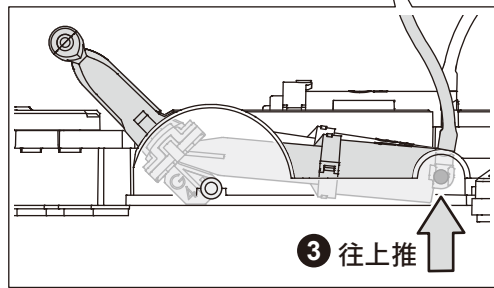
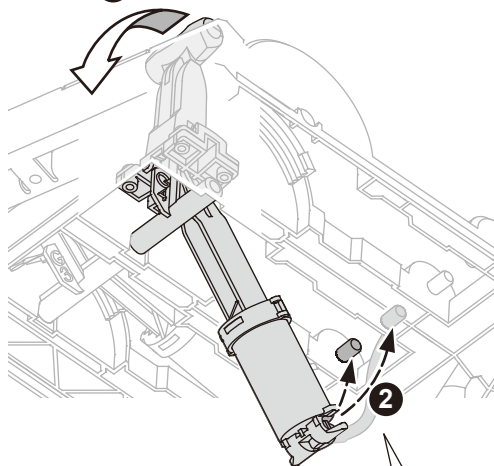


4

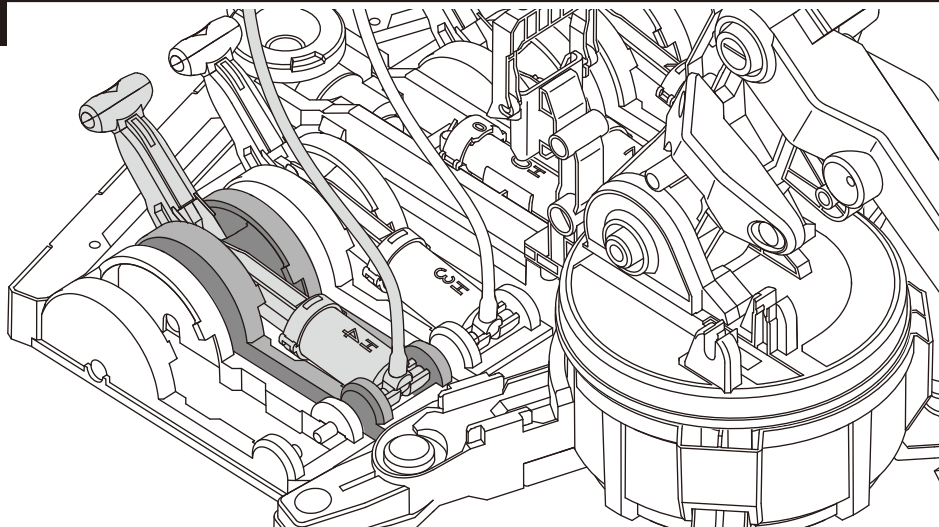


5

① 往後拉

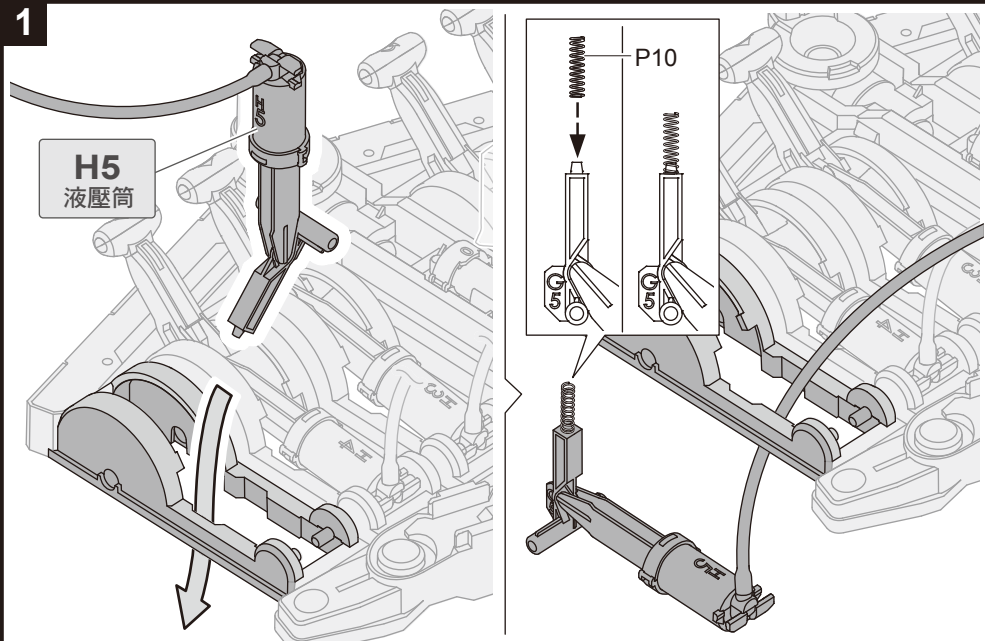


6



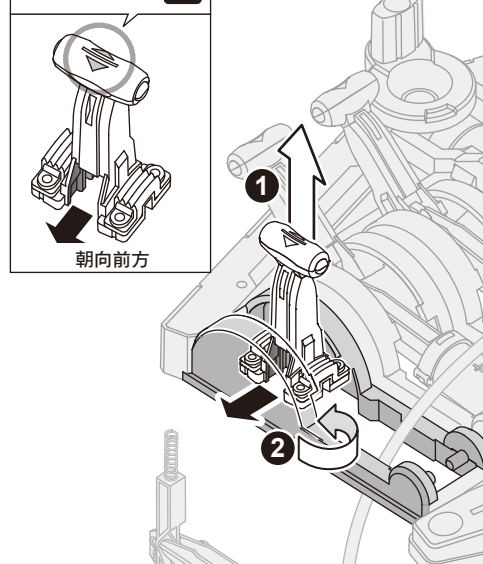
單元5：H5 液壓筒與操縱桿 5

1

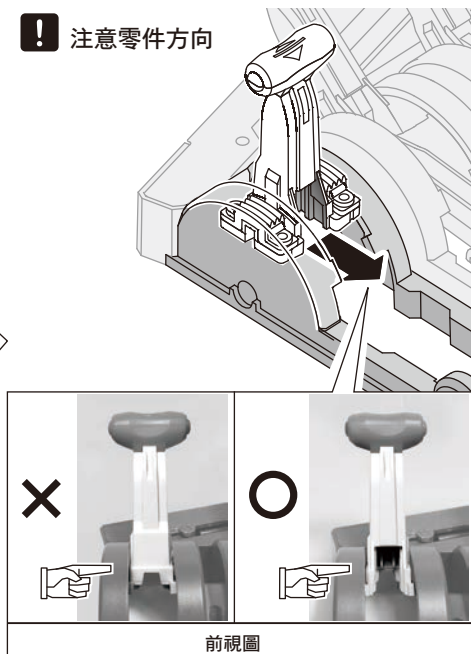


2

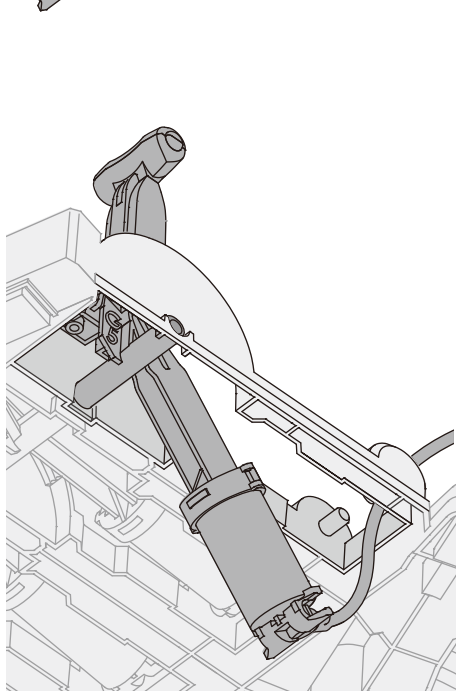
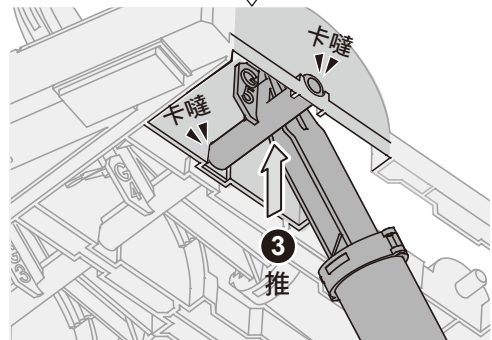
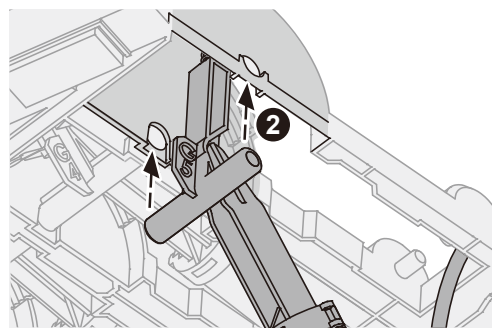
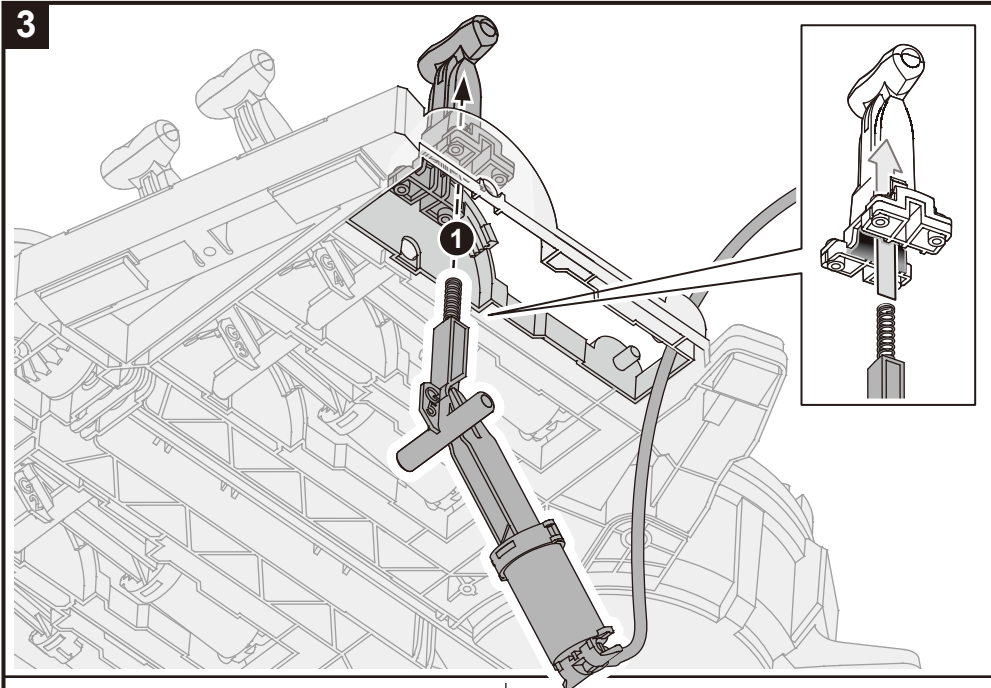
操縱桿 5 !

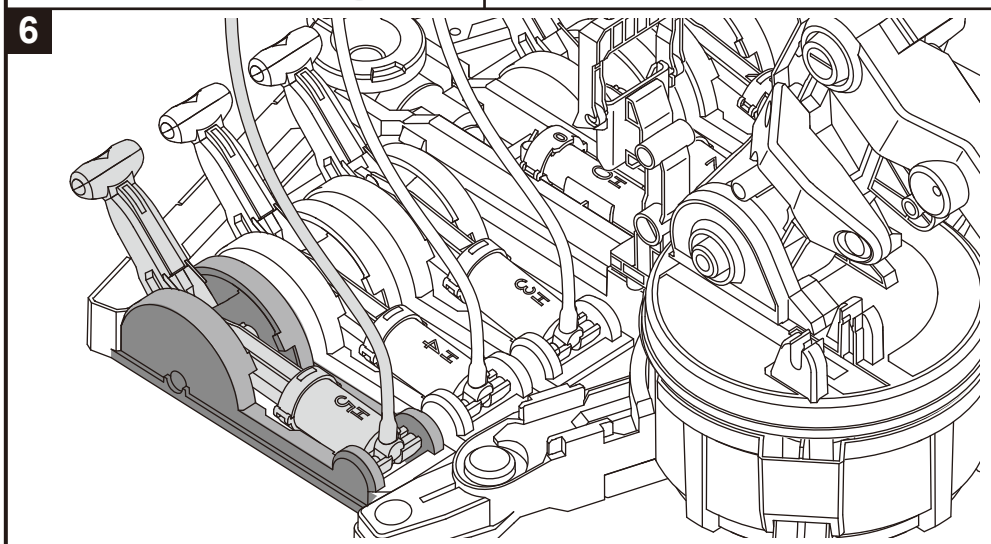
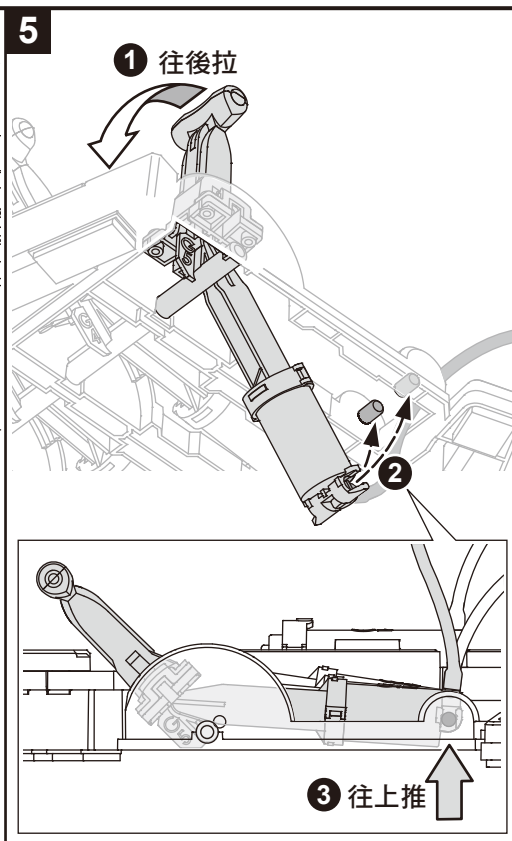
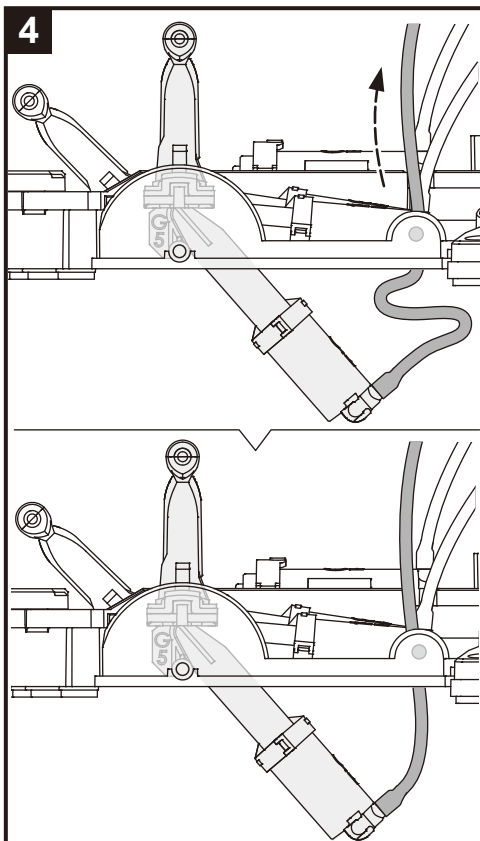


! 注意零件方向



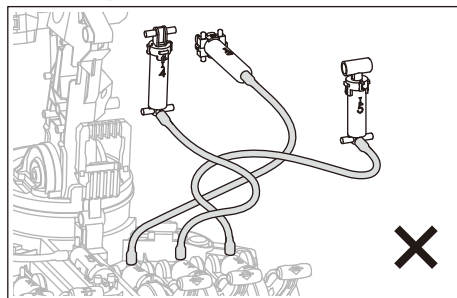
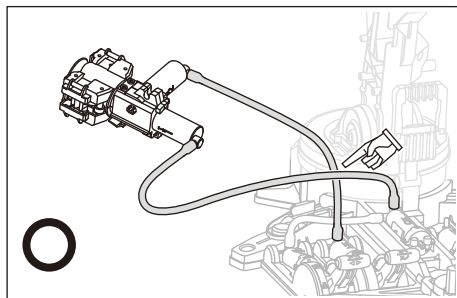
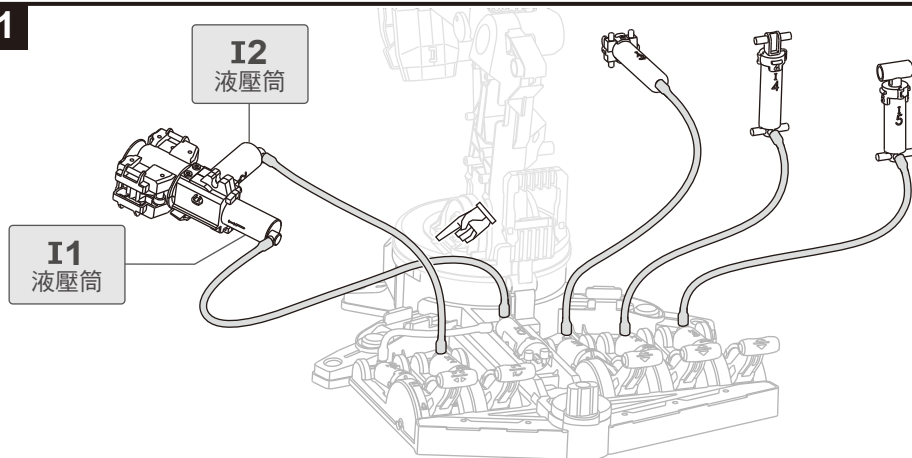
3



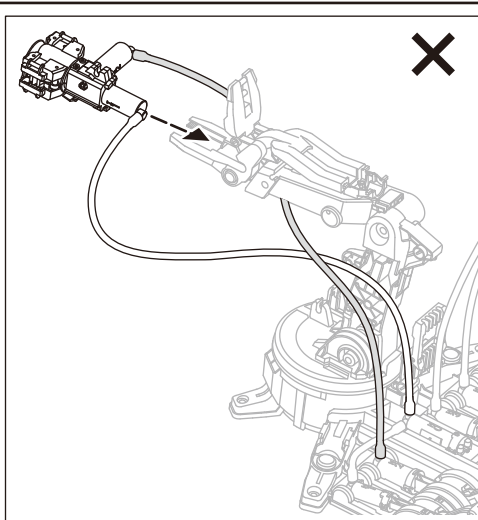
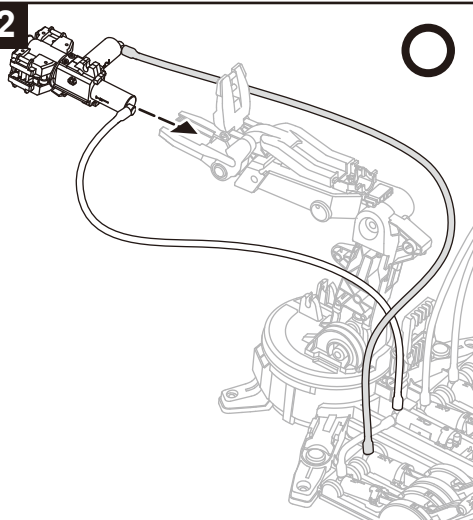


液壓筒與手臂組裝

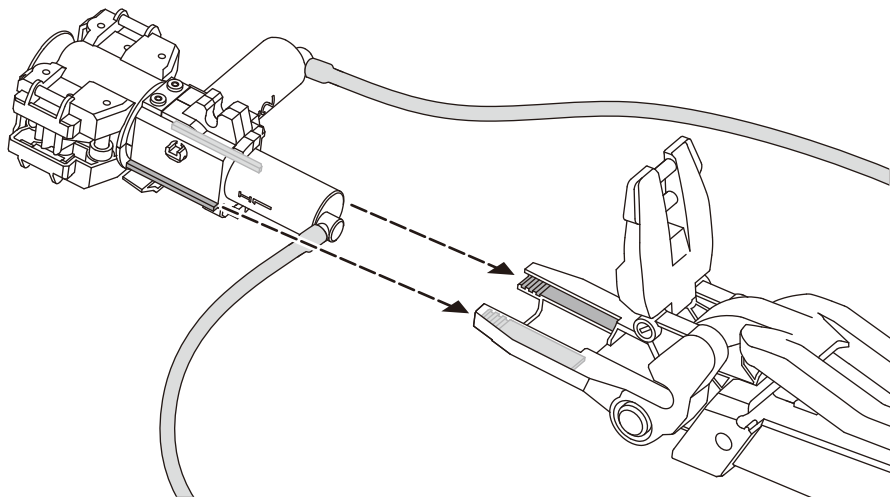
1



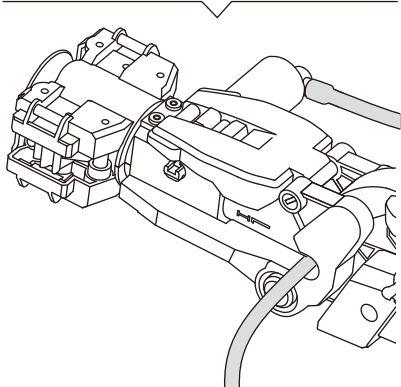
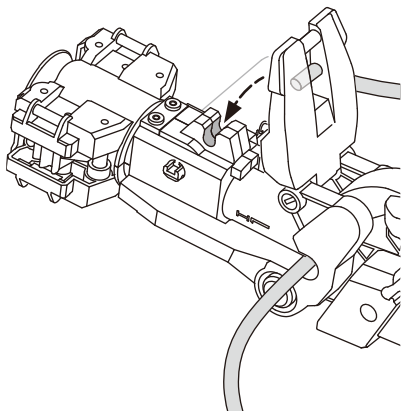
2



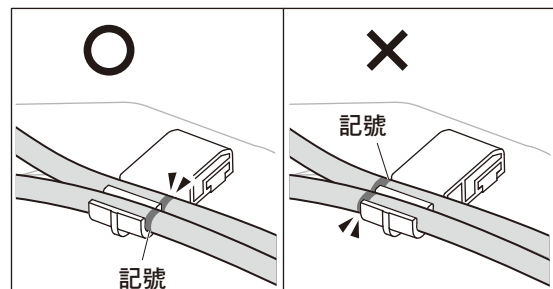
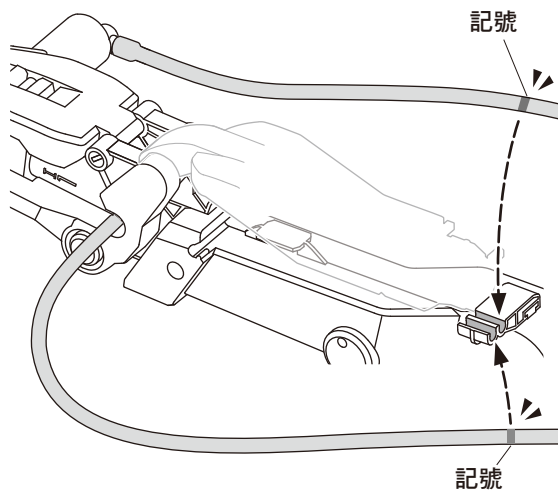
3



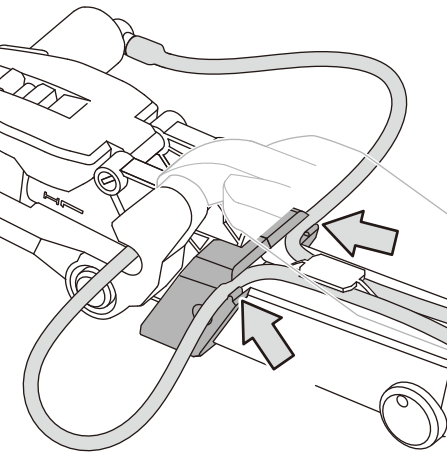
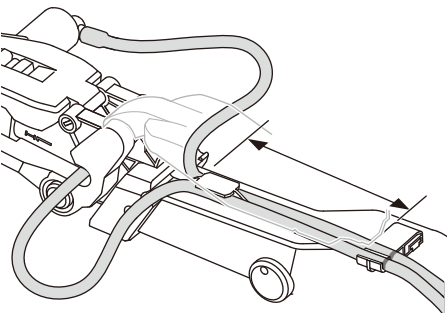
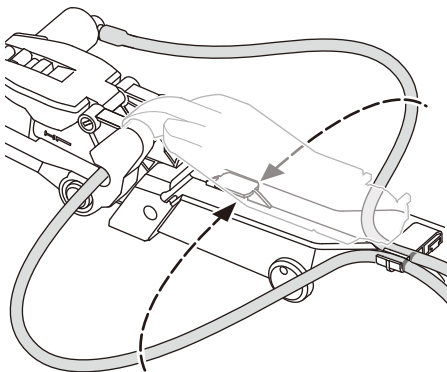
4



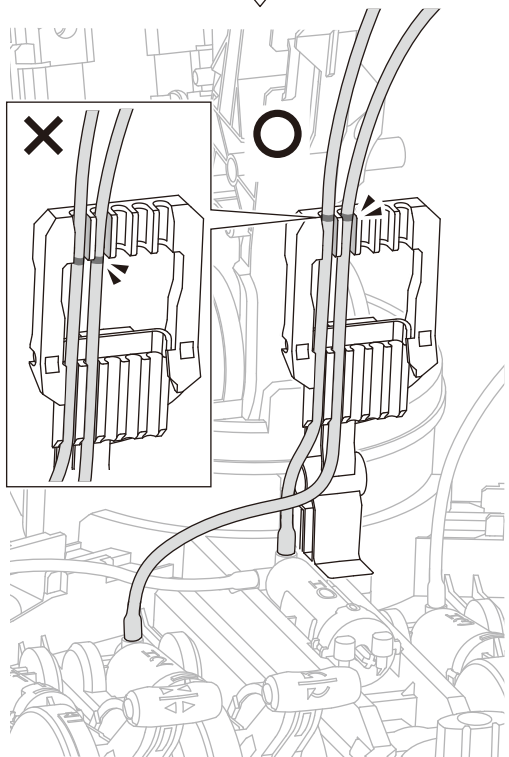
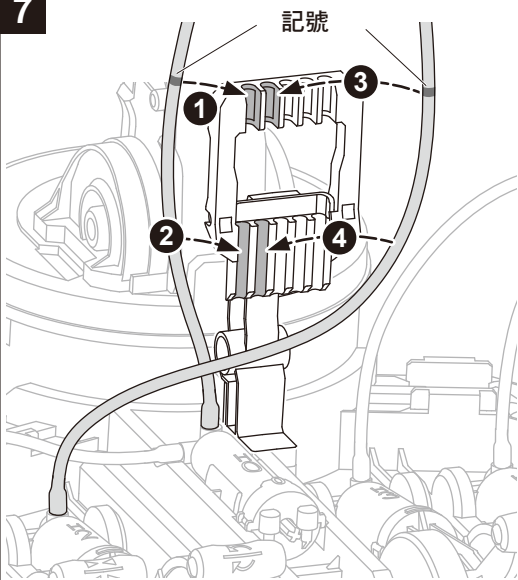
5



6 將軟管卡入線槽

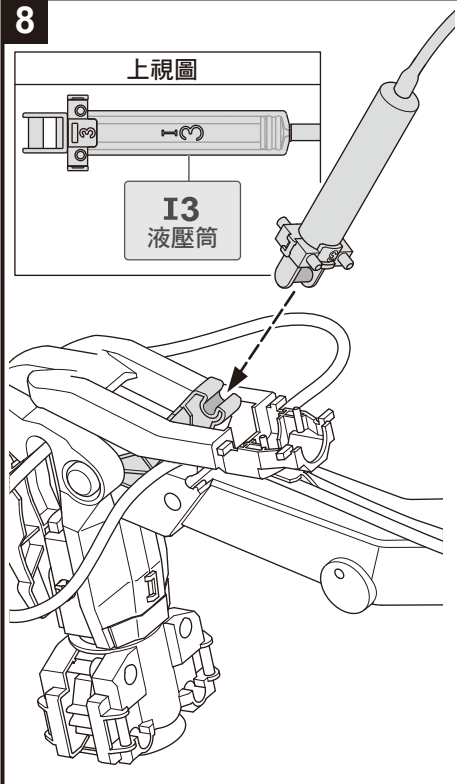


7

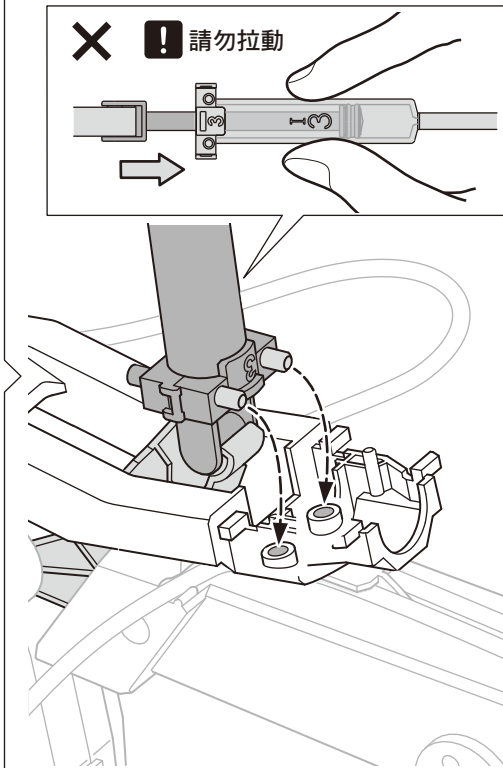


8

上視圖

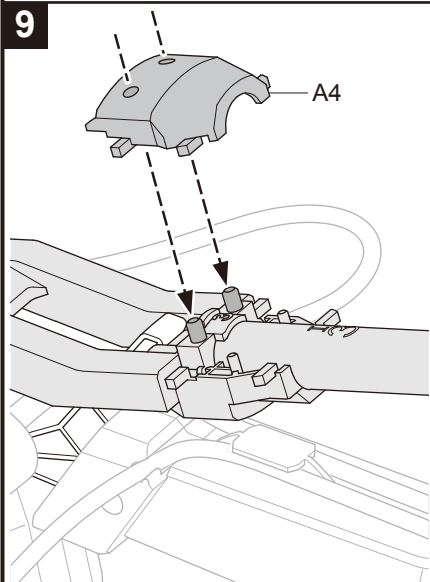
I3
液壓筒

✗ ! 請勿拉動



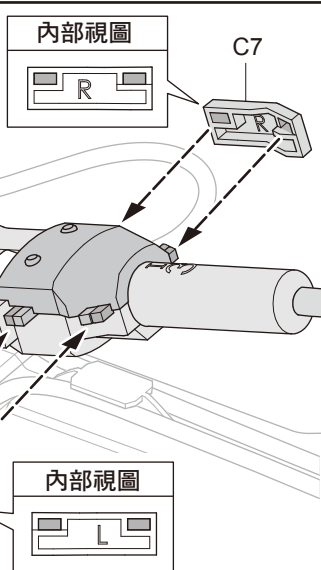
9

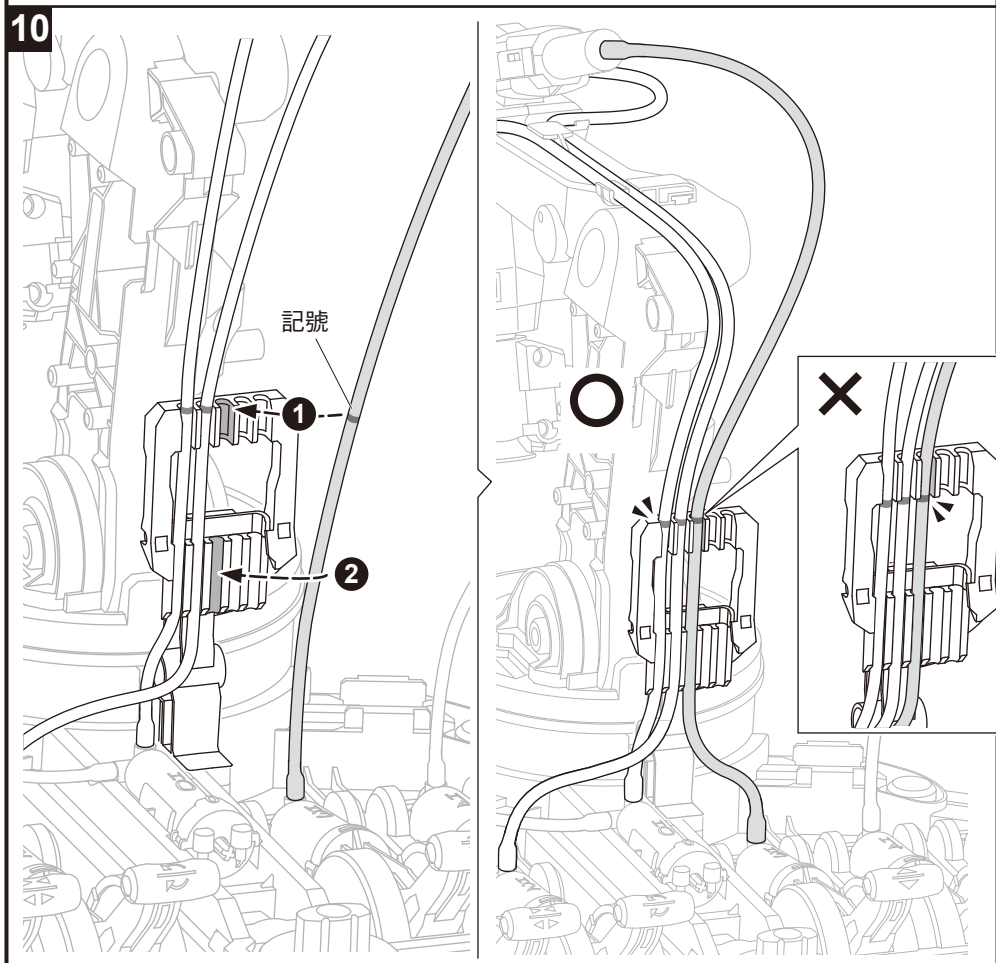
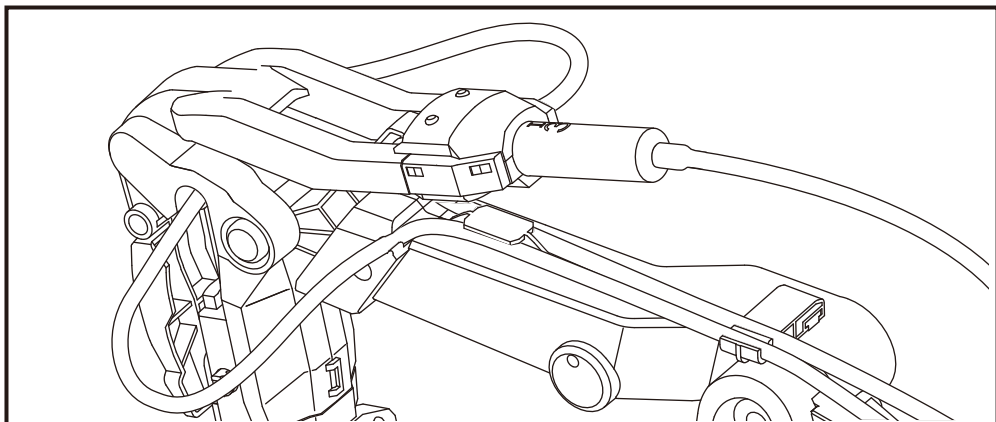
A4



內部視圖

C7





11

○

×

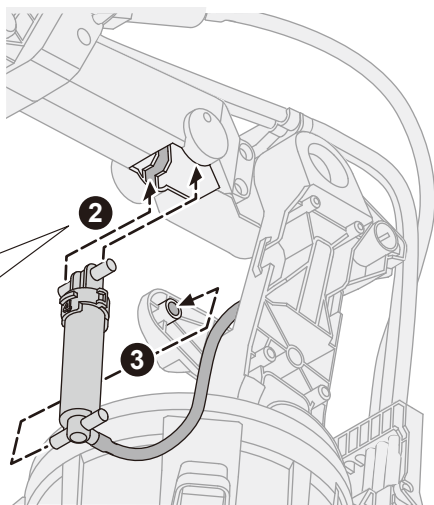
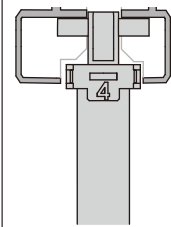
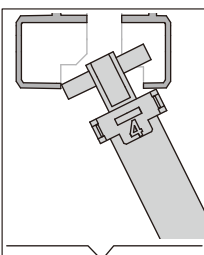
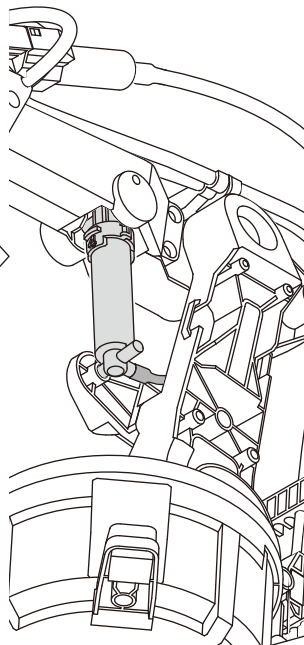
I4
液壓筒

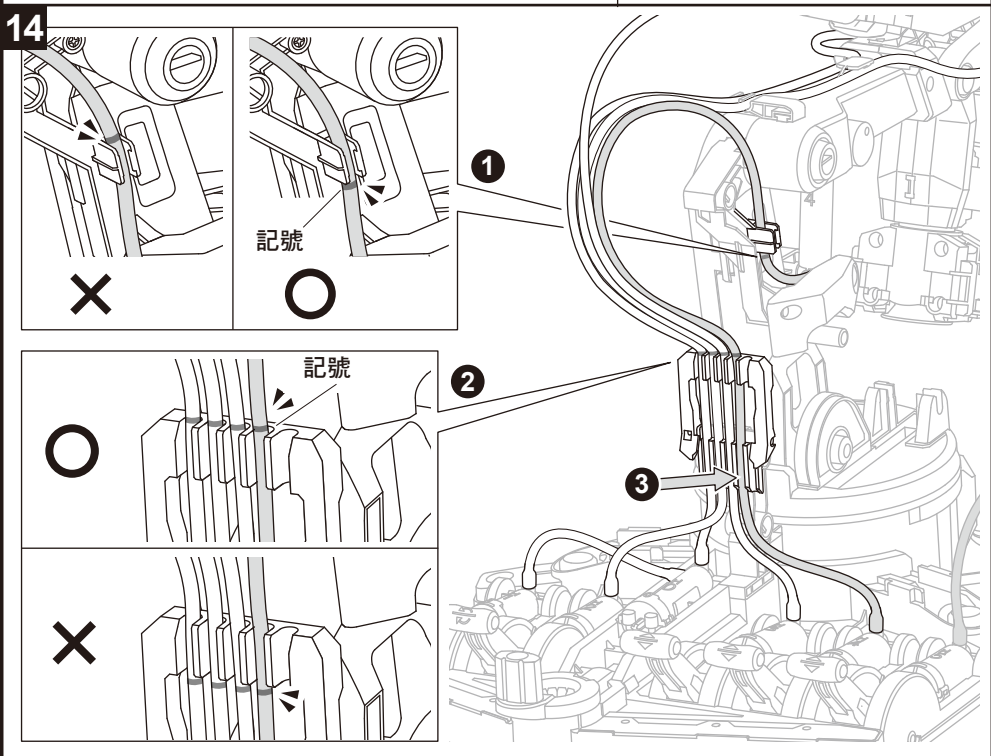
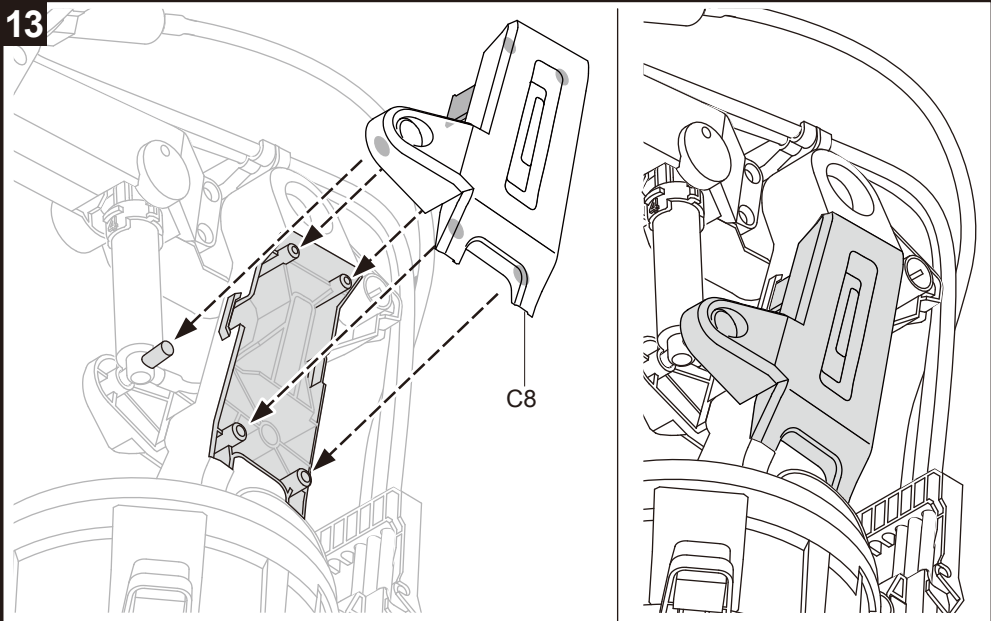
12

① 注意零件方向

○

×

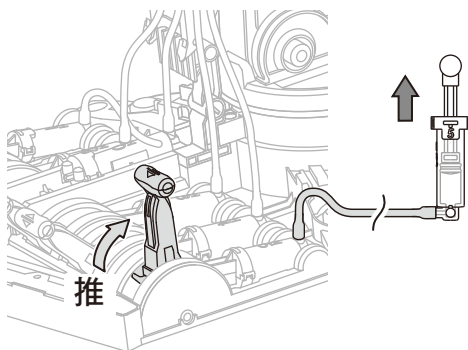
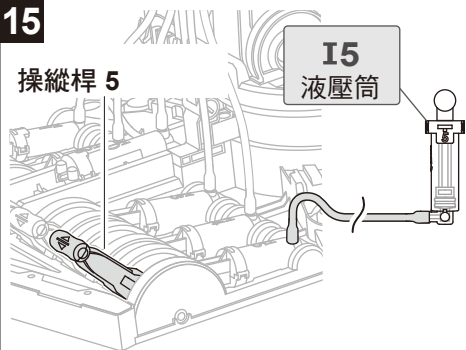




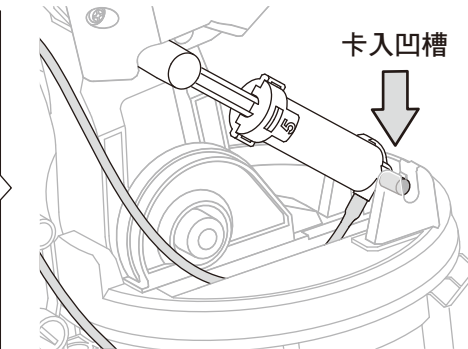
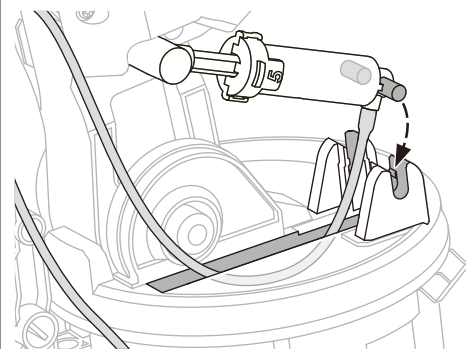
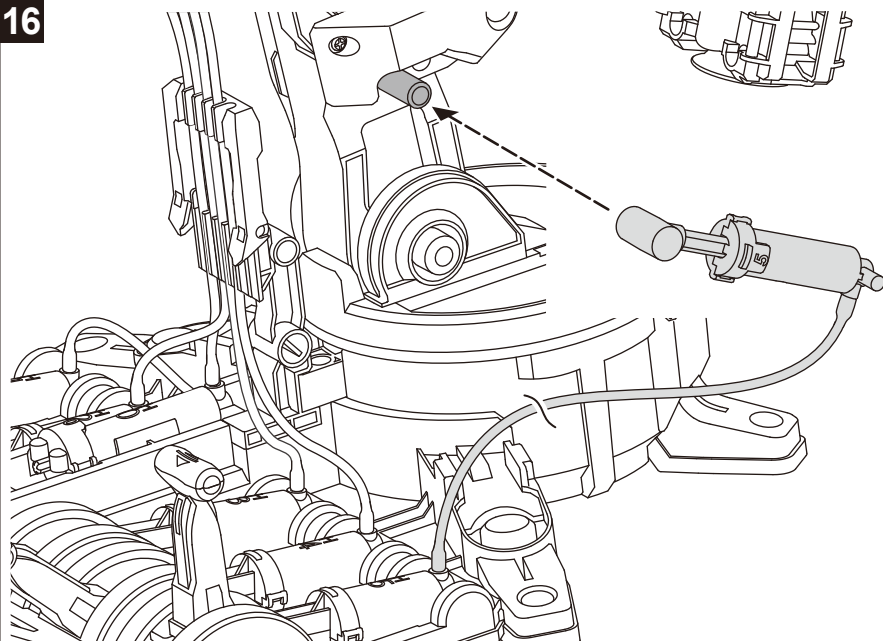
15

操縱桿 5

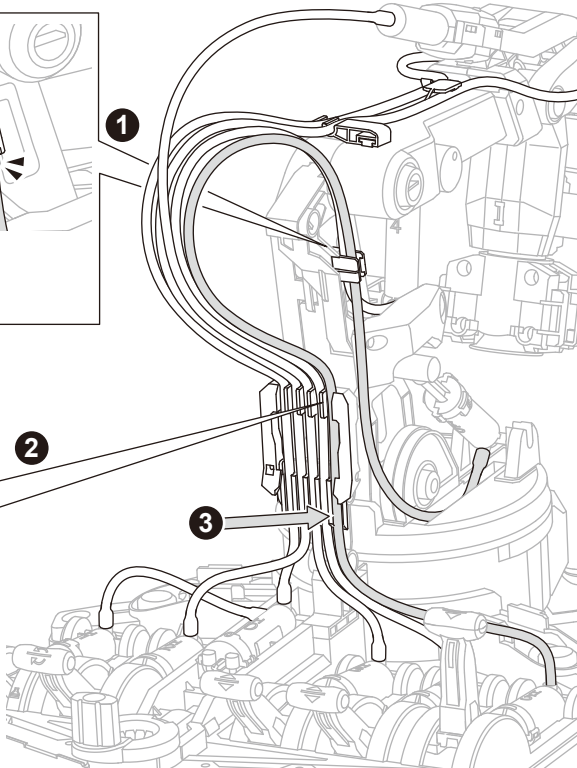
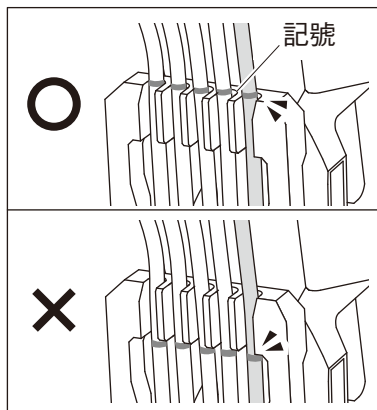
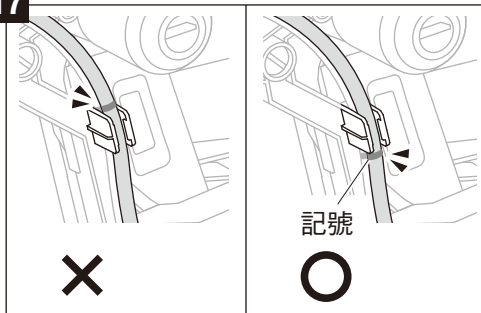
15
液壓筒



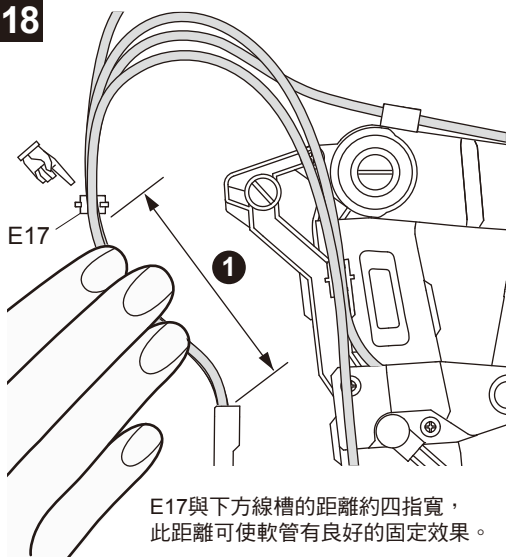
16



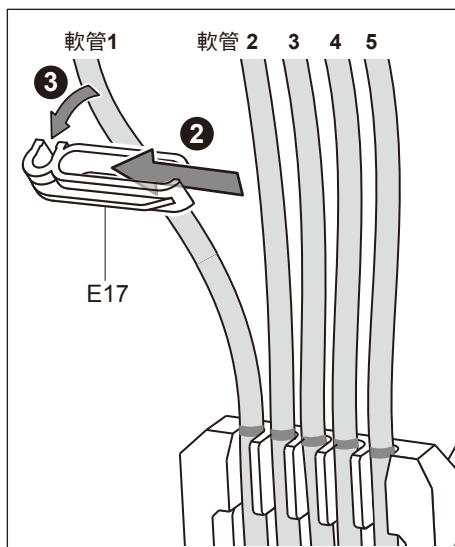
17



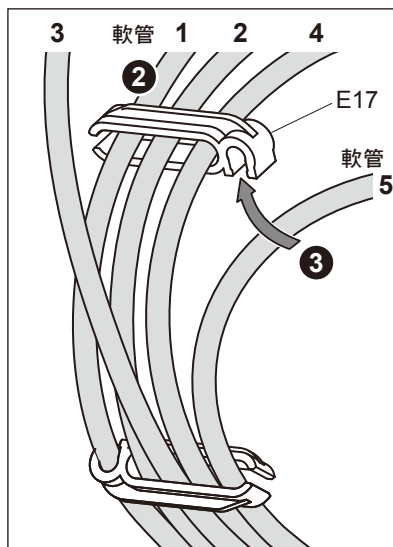
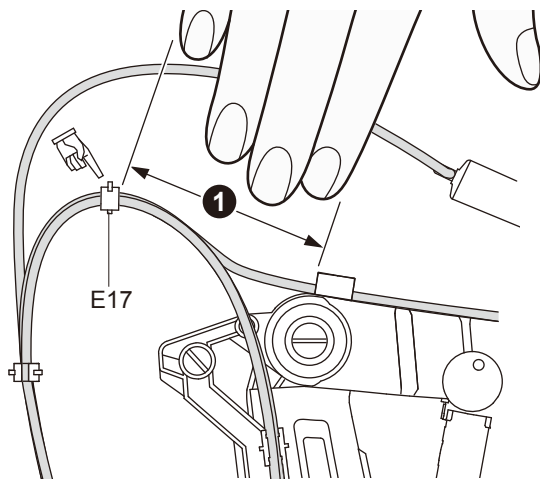
18



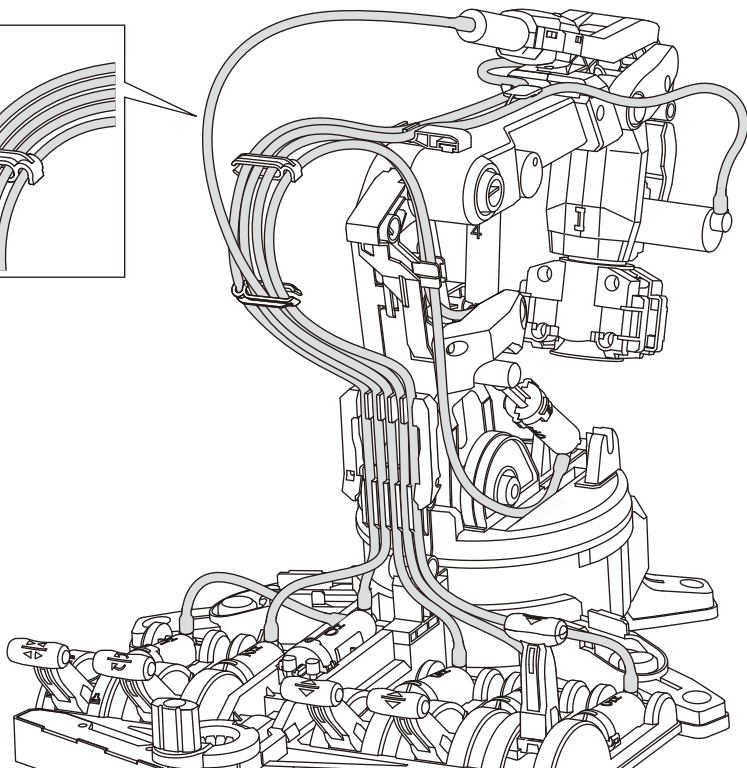
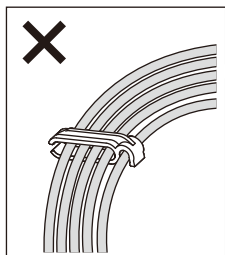
E17與下方線槽的距離約四指寬，
此距離可使軟管有良好的固定效果。



- 19** E17與上臂線槽的距離約四指寬，此距離可使軟管有良好的固定效果。

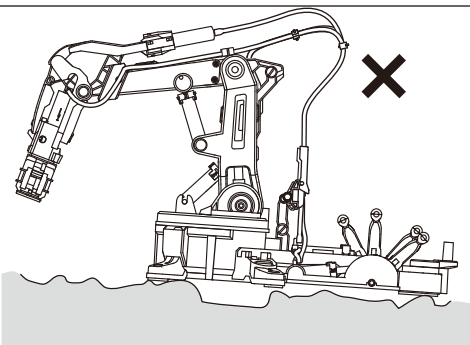
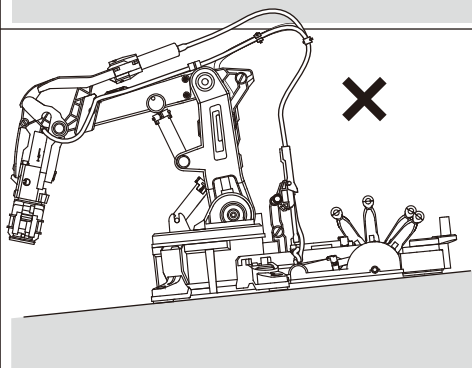
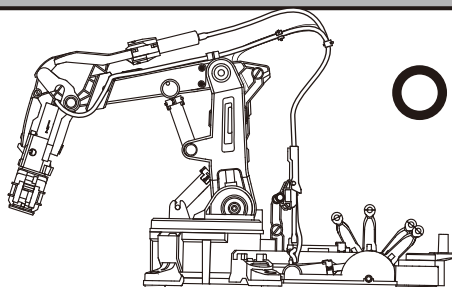


20

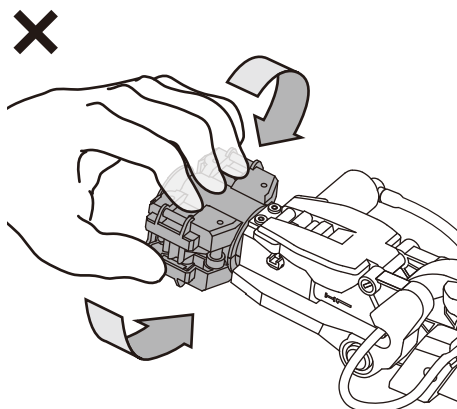
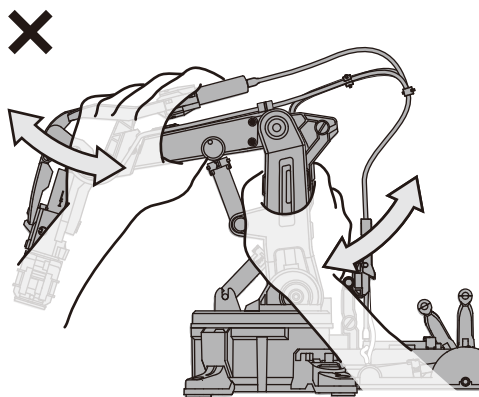


操作方式

注意事項

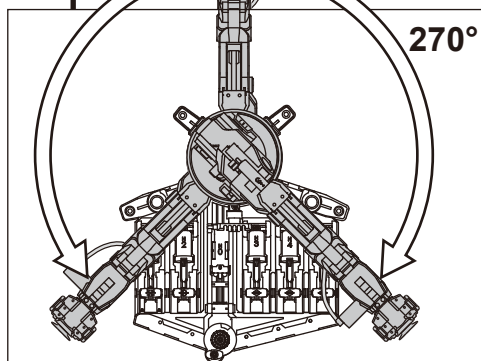
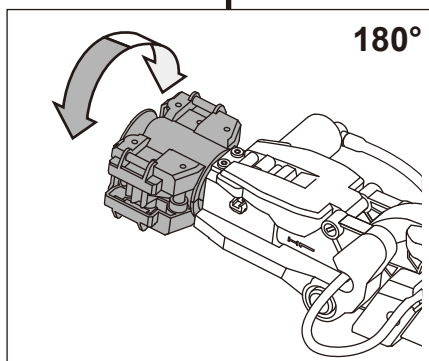
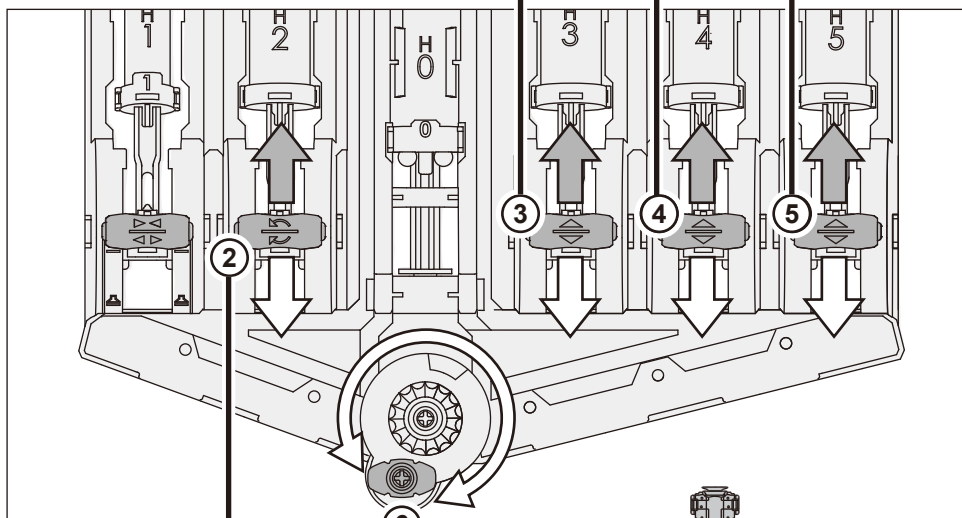
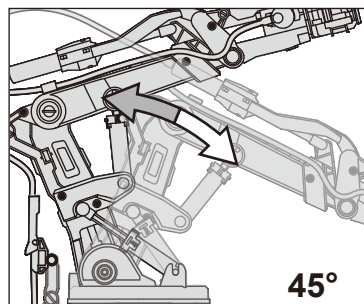
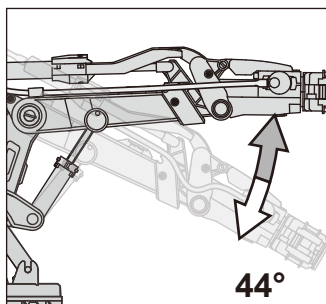
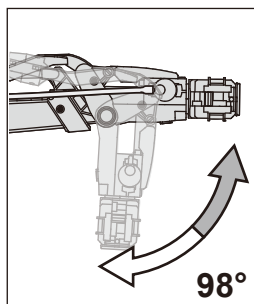


注意! 請放在平整面上操作



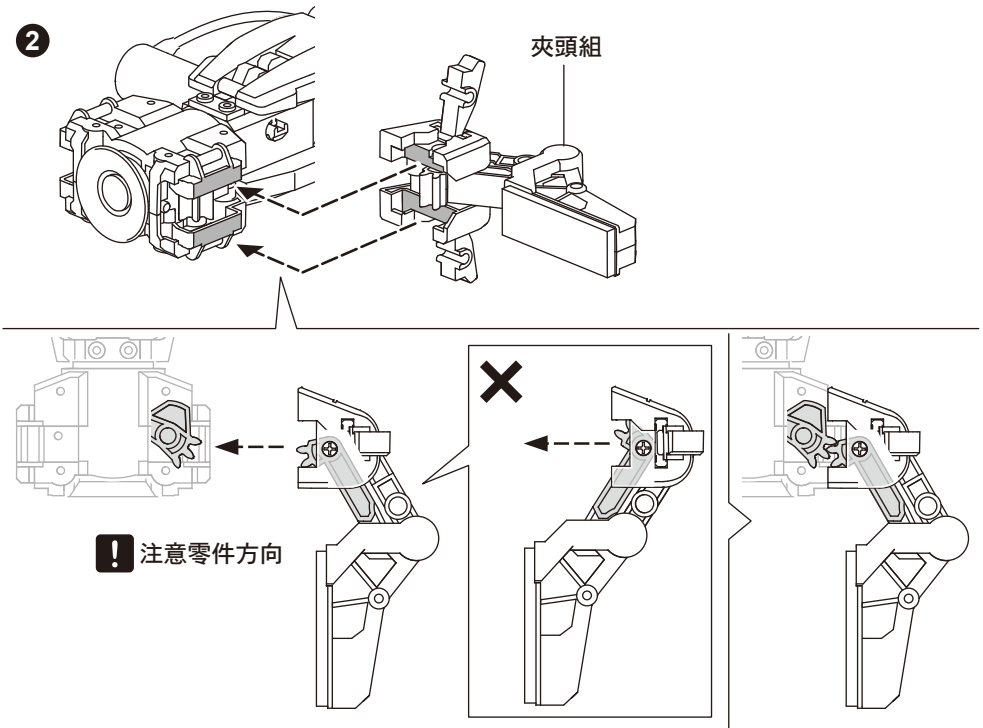
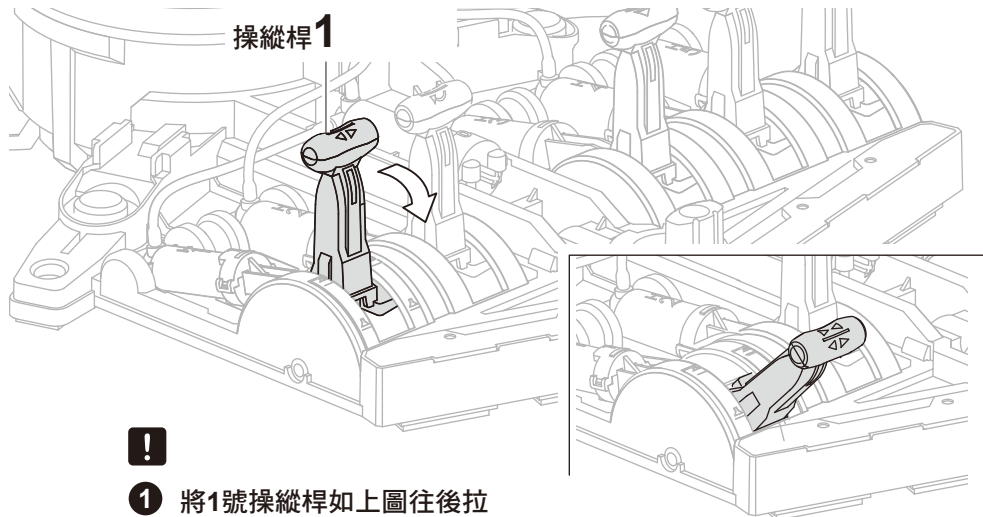
請使用操縱桿控制手臂! 請勿像上圖錯誤操作!

操作方式：2-6軸

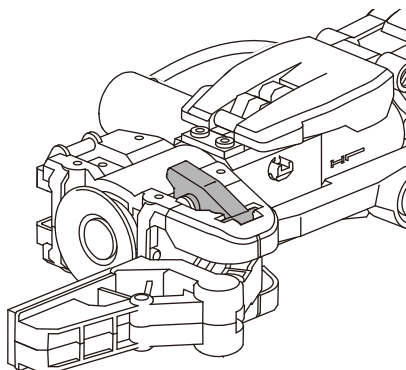
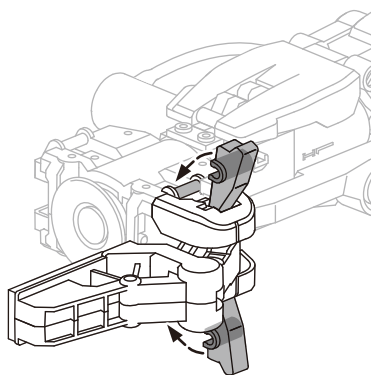


如何操作夾頭

1 安裝夾頭

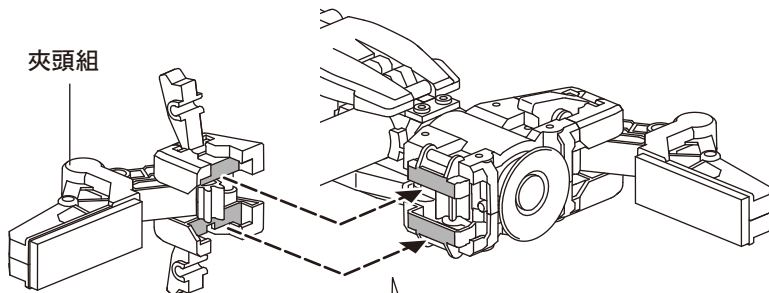


3

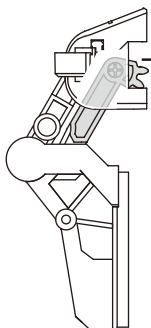
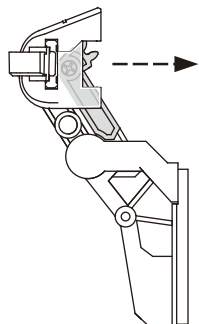


4

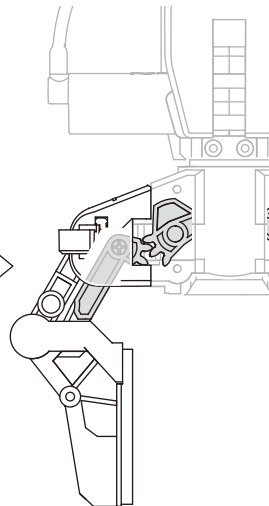
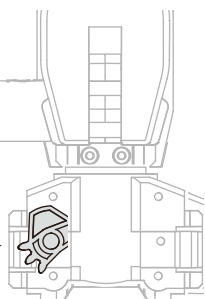
夾頭組



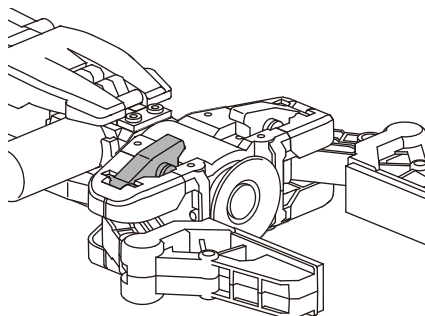
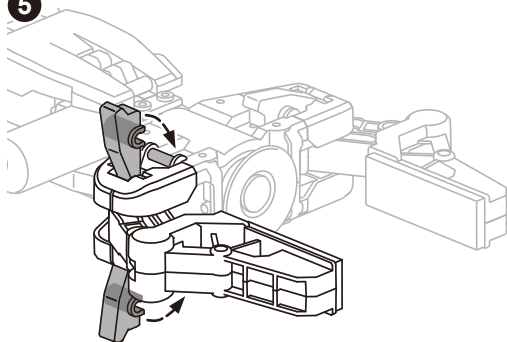
×



! 注意零件方向



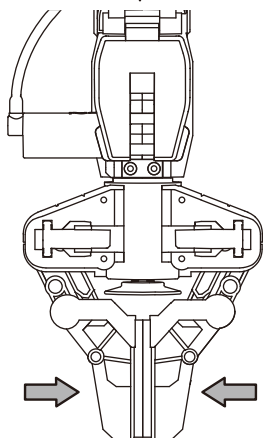
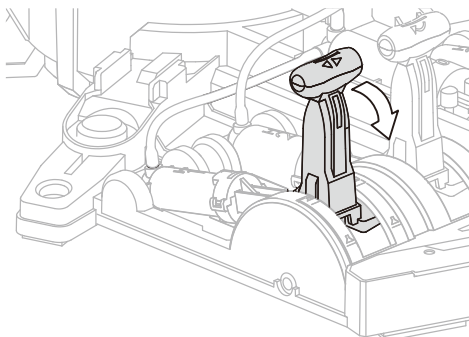
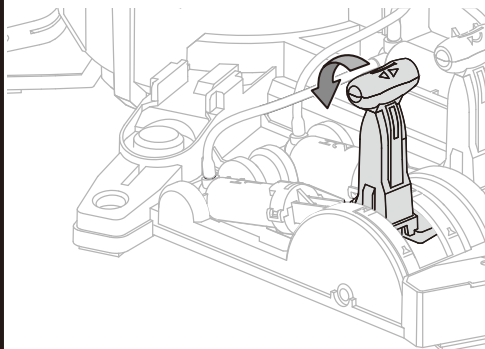
5



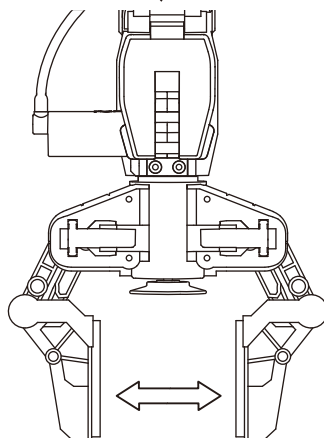
2

物件夾取：將1號操縱桿往前推

放下物件：將1號操縱桿往後拉

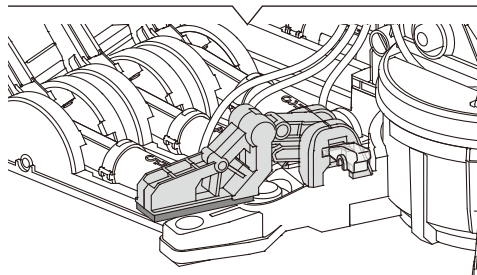
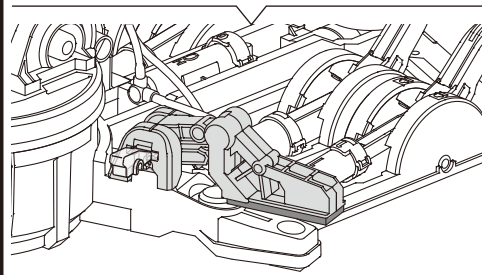
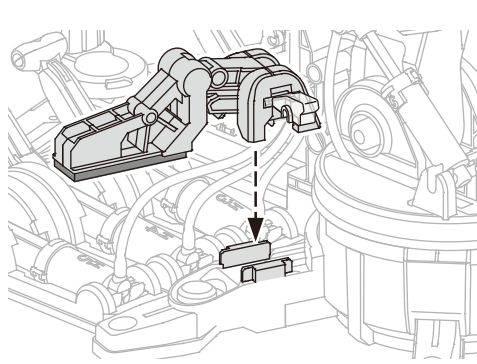
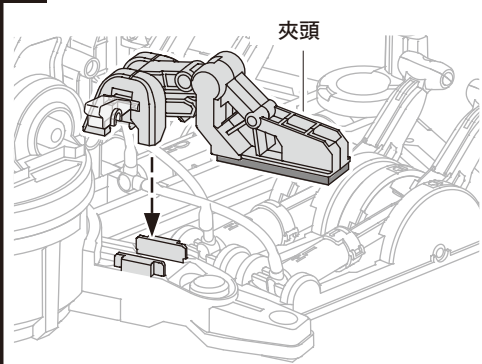


最大夾舉重量：**50 g**

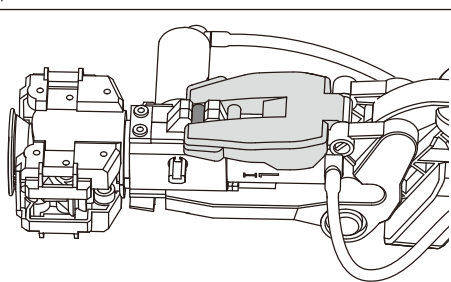
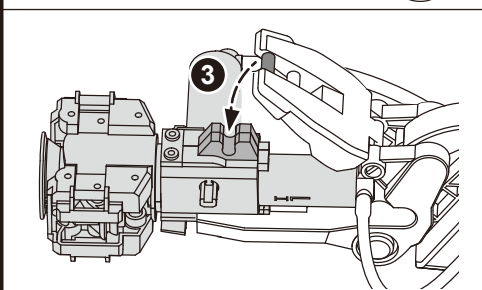
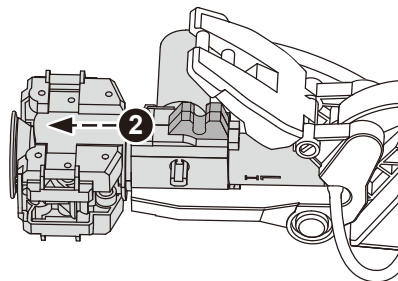
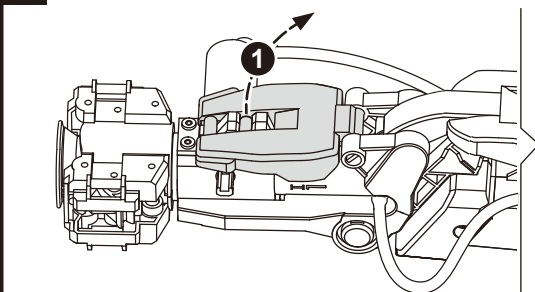


如何操作吸盤

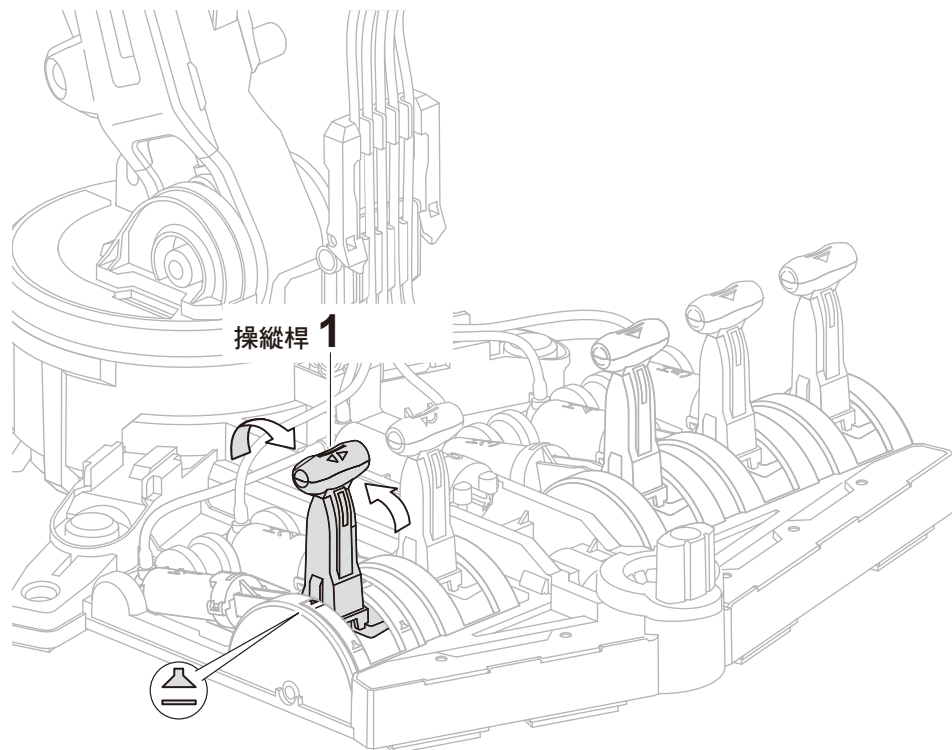
1 取下夾頭組並收納於下圖位置



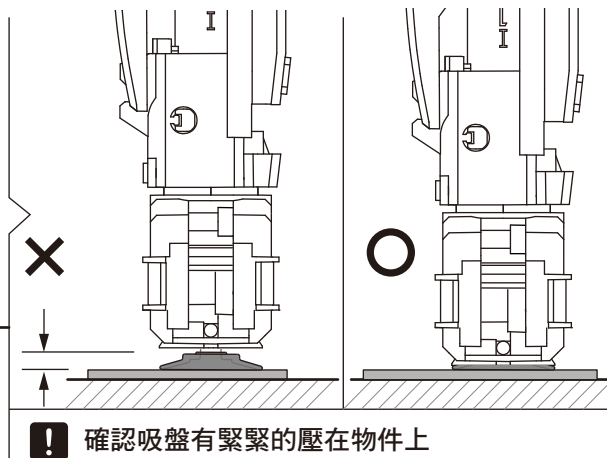
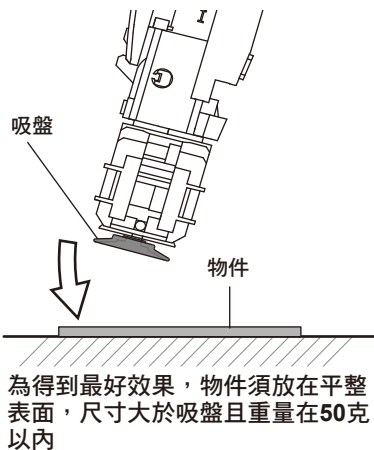
2 非常重要! 改為吸盤模式請照以下步驟調整



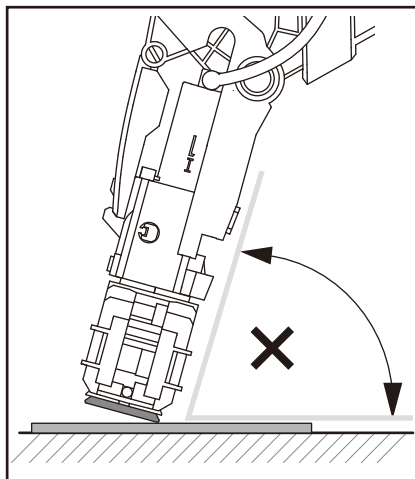
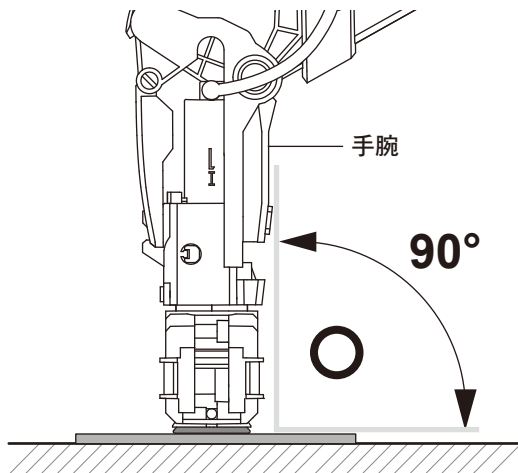
3 將1號操縱桿推到中間位置



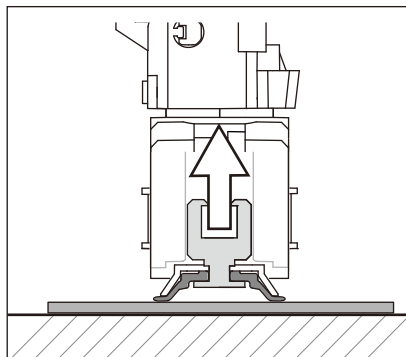
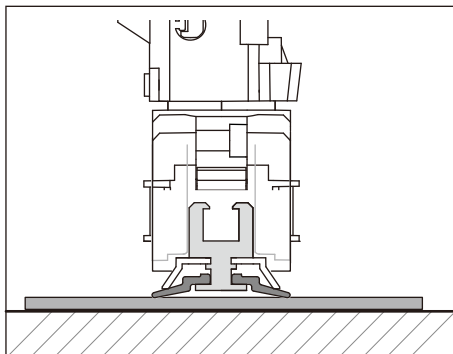
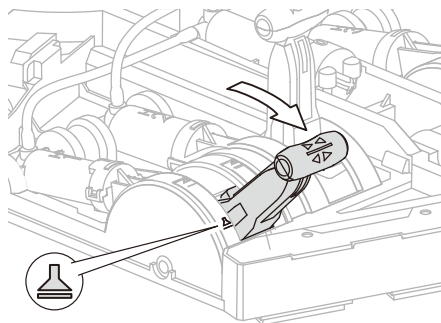
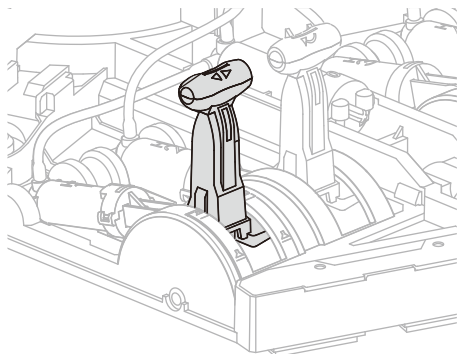
4 操作2~6號操縱桿(參考77頁)使吸盤移動到物件



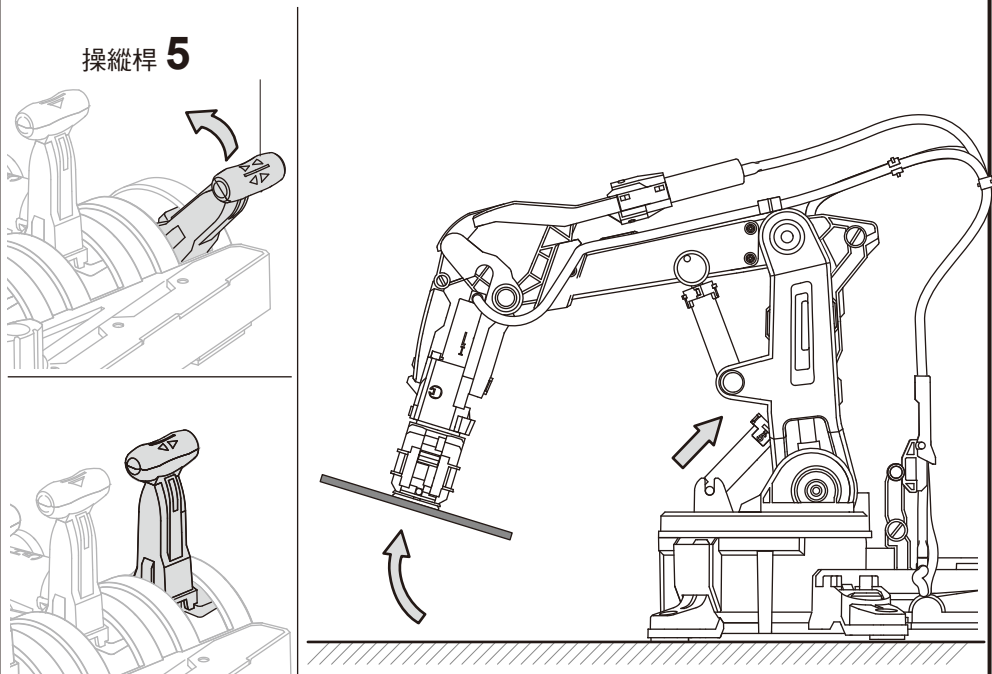
! 夾頭組須垂直於物件



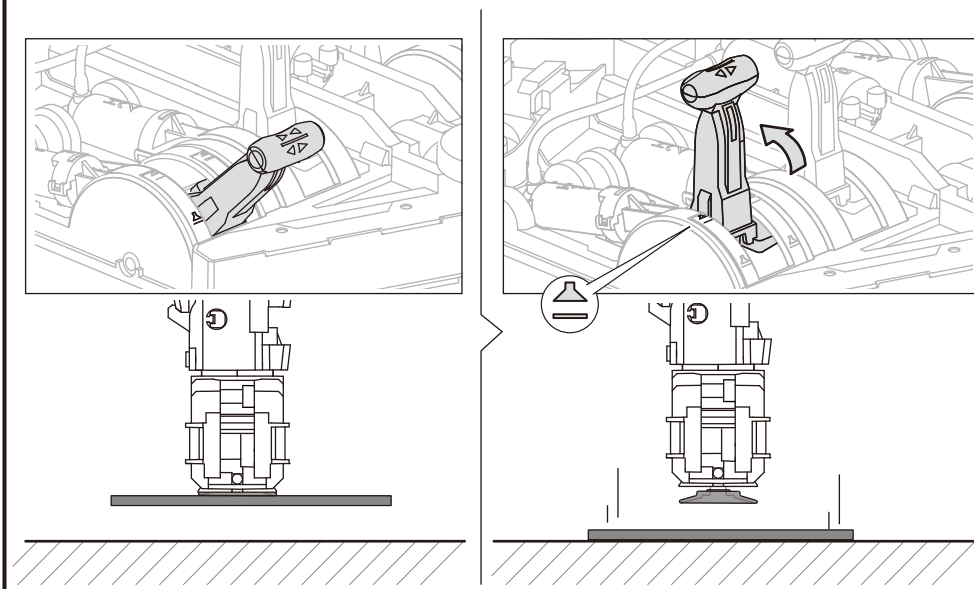
5 將操縱桿1往後拉，使吸盤吸附在物件上



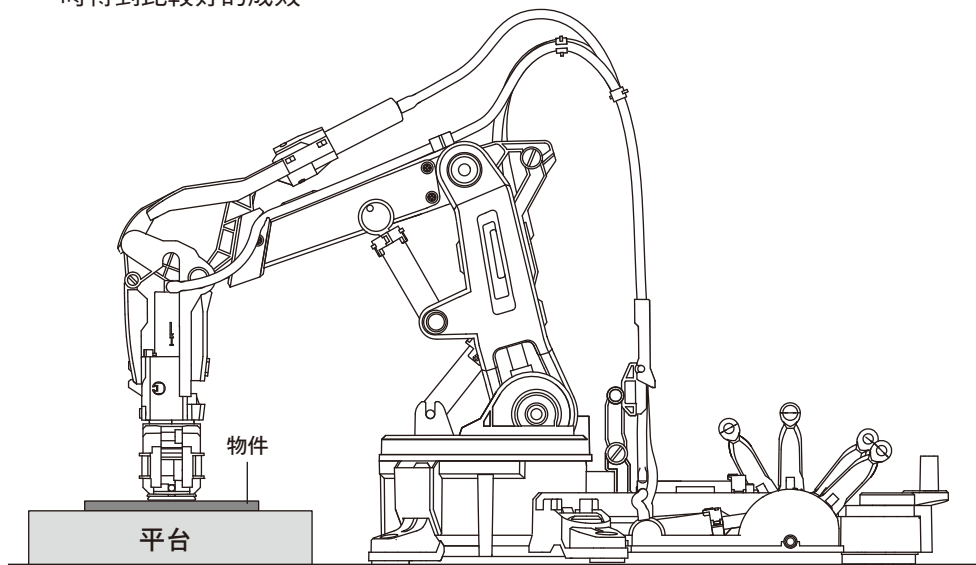
6 將操縱桿5往前推以舉起物件



7 將操縱桿1推到中間位置以鬆開吸盤



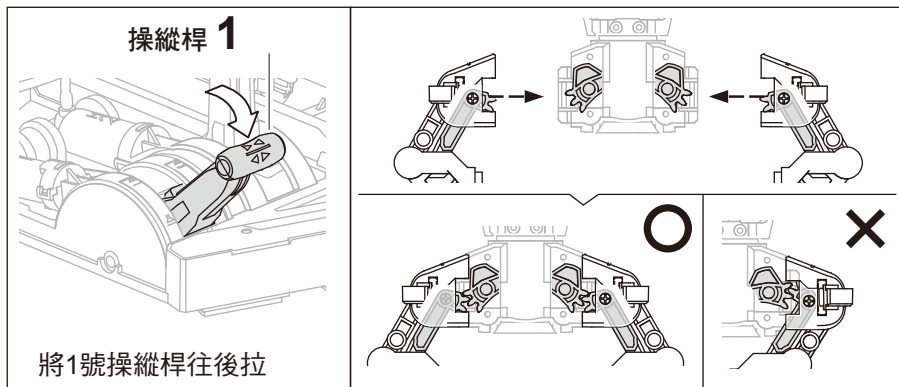
- 8** 將物件放在一個稍微高一點且平整的平台上，可協助您在練習”吸盤模式”時得到比較好的成效。



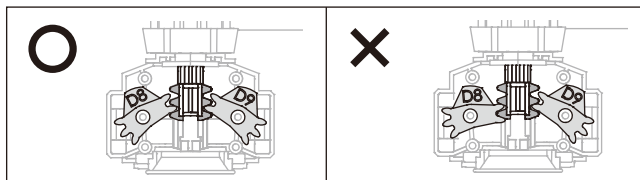
簡易故障排除

● 如果夾頭無法開合，請跟著以下步驟進行確認

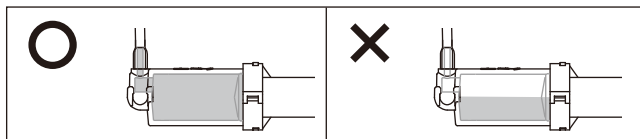
1. 請確認夾頭是否安裝在正確的位置及方向(參考第78、79頁以下步驟)



2. 回到第32頁，確認是否有依照步驟16正確安裝



3. 請確認H1、I1和1號軟管內是否有過多的空氣，若是請回到第42~45頁重新組裝。

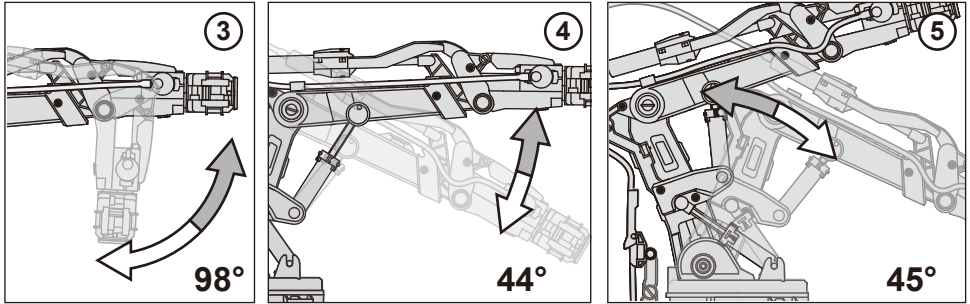


● 如果在吸盤模式下無法吸附物件

1. 回到第81~84頁，確認是否有依照步驟2~步驟6正確安裝。

2. 請確認H1、I1和1號軟管內是否有過多的空氣，若是請回到第42~45頁重新組裝。

● 如果在操作第3/4/5軸時無法完全伸展到最大角度



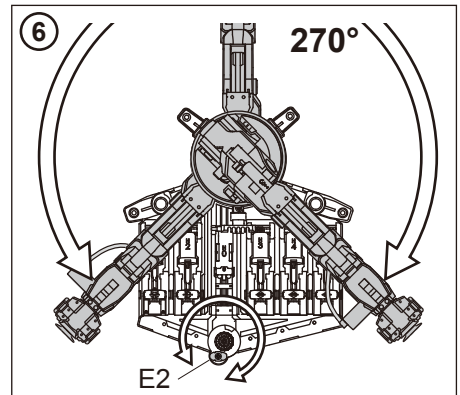
1. 請確認在H3/4/5、I3/4/5液壓筒和3/4/5號軟管是否有過多的空氣，若是請回到第37~40頁重新組裝。
2. 請確認所有軟管是否安裝到正確位置且沒有交錯。在軟管有交錯的狀況下：
 - 2.1 請回到第66~75頁“液壓筒與手臂組裝”，確認所有軟管記號及安裝位置是否正確。
 - 2.2 請回到第46~48頁“量測與作記號”，確認所有剪裁長度及記號位置是否正確。

● 如果第六軸轉動不順暢

1. 如果旋轉E2而第六軸沒有轉動時，請回到第19頁步驟13，確認E10是否安裝在正確位置。



E10



E2

2. 請確認所有軟管是否安裝到正確位置且沒有交錯。在軟管有交錯的狀況下：
 - 2.1 請回到第66~75頁“液壓筒與手臂組裝”，確認所有軟管記號及安裝位置是否正確。
 - 2.2 請回到第46~48頁“量測與作記號”，確認所有剪裁長度及記號位置是否正確。

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: pk@mail.prokits.com.tw

寶工購物網: <https://shop.prokits.com.tw>

GE-632 液壓機器手臂 零件表

零件型號	零件名稱	數量
5GE-63200P1	華司螺絲(短)	
5GE-63200P2	自攻螺絲(長)	
5GE-63200P3	鐵塊(短)	
5GE-63200P4	鐵塊(長)	
5GE-63200P5	墊片	
5GE-63200P6	活塞帽(小)	
5GE-63200P7	活塞帽(大)	
5GE-63200P8	吸盤	
5GE-63200P9	泡棉	
5GE-63200P10	彈簧(小)	
5GE-63200P11	彈簧(短)	
5GE-63200P12	彈簧(中)	
5GE-63200P13	彈簧(長)	
5GE-63200P14	軟管	
5GE-63200P15	油包	
5GE-63200PPA	塑膠模型零件A	
5GE-63200PPB	塑膠模型零件B	
5GE-63200PPC	塑膠模型零件C	
5GE-63200PPD	塑膠模型零件D	
5GE-63200PPE	塑膠模型零件E	
5GE-63200PPF	塑膠模型零件F	
5GE-63200PPG	塑膠模型零件G	
5GE-63200PPH	塑膠模型零件H	
5GE-63200PPHI	塑膠模型零件HI	



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

服務專線:02-22183233

www.proskit.com

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



©2026 Prokit's Industries Co., LTD. All rights reserved. 2026001