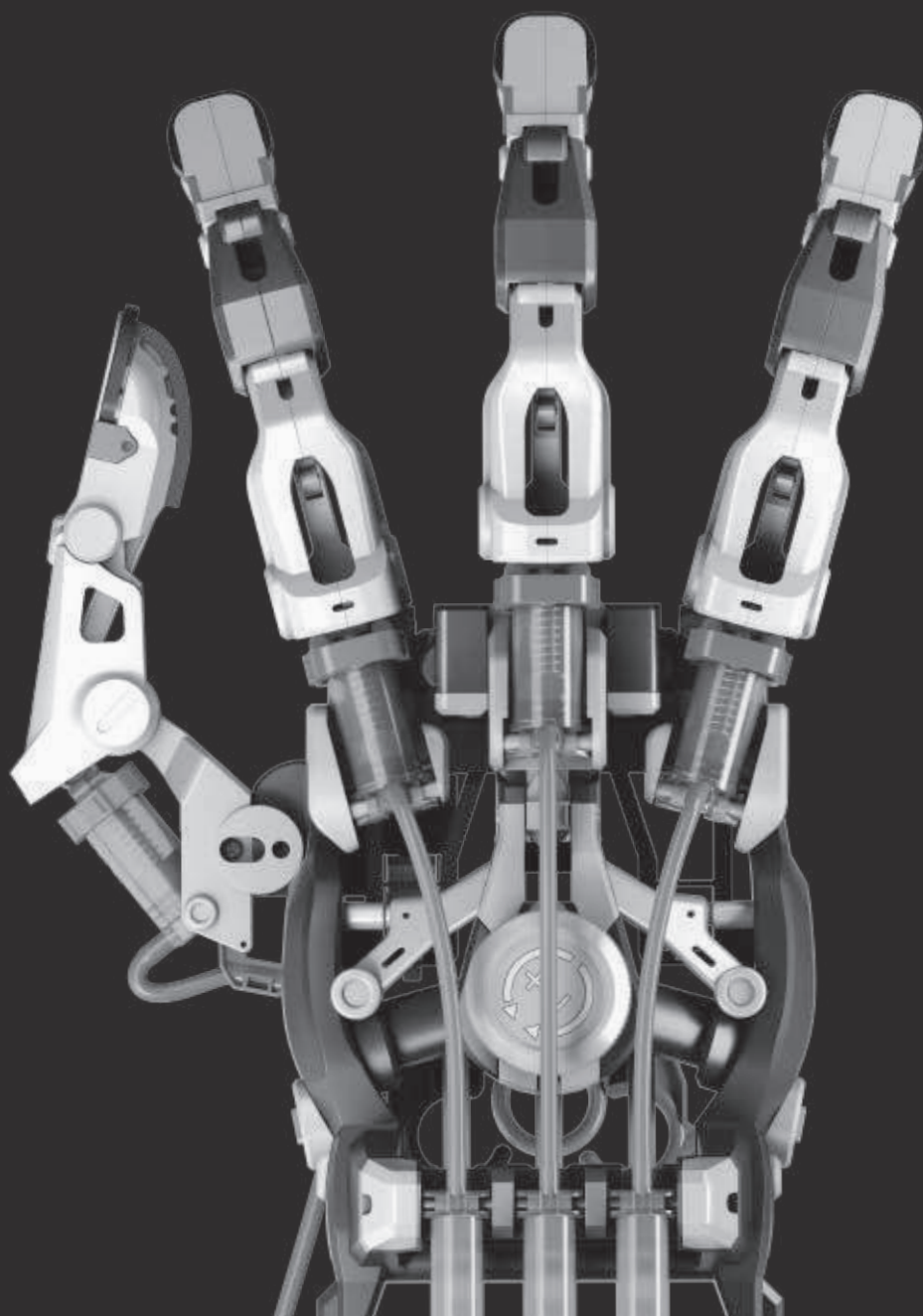


GE-634

Pro'sKit®

HYDRAULIC CYBORG HAND

液壓
機械手套

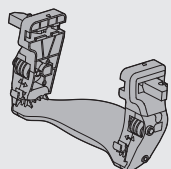


Assembly & Instruction Manual

組裝說明手冊

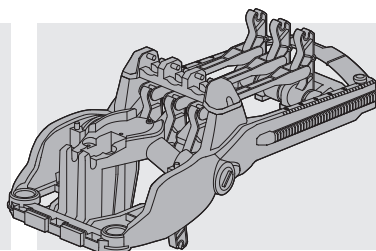
目錄 Contents

產品介紹 Product Introduction	1
自備工具 Tools You May Need	1
零件清單 Mechanical Parts List	1
塑膠模型零件 Plastic Parts	2
小技巧提醒 Read It Before Assembly	3



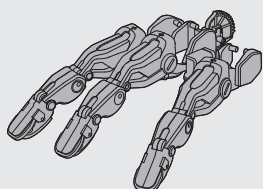
握把組裝 Operation-Bar Assembly

4



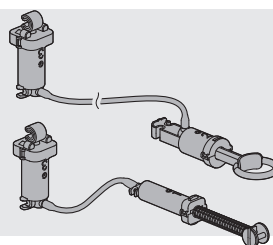
手掌組裝 Palm Assembly

5



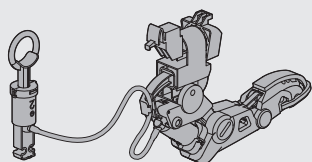
手指組裝 Fingers Assembly

6



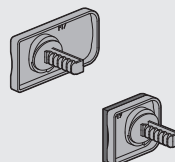
液壓系統模組組裝 Hydraulic System Assembly

11



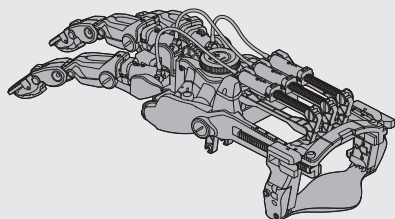
拇指組裝 Thumb Assembly

17



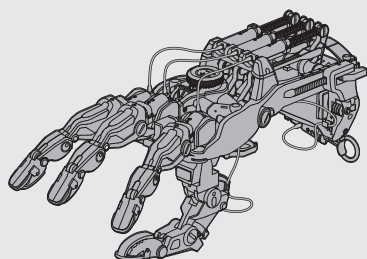
支撐墊(保護墊)組裝 Supporting Pads Assembly

19



各部位合體組裝

Complete-unit Assembly 20



右手控制環安裝

Installation (for Right-hand users) 24

操作方式

How To Operate 26

特點說明

Product Features 28

注意事項 Warning 29

操作技巧 Exercises and Tips (for Right-hand users) 31

簡易故障排除 Trouble Shooting 33

左手控制環安裝 Installation (for Left-hand Users) 36

液壓機械手套 HYDRAULIC CYBORG HAND

產品介紹 Product Introduction

體驗機械人生，就從打造液壓機械手套開始!

GE-634液壓機械手套不需要電池，透過液壓原理轉換成動力，配合可調角度手指關節，取物、握持更有趣，大、小物品皆能拿取自如；不僅手指角度可調整，手掌大小、寬鬆也可以依需求調節，好玩不分大、小手！可變換的拇指位置，不論左、右手都適用！四指手套玩膩了？換成3指玩法體驗鳥禽握持法，訓練手指靈敏度！現在只要一點水，讓你擁有一個霸王手套！

Build your own Hydraulic Cyborg Hand and experience the fun of a cyborg world!

The Hydraulic Cyborg Hand simulates the movements of a human hand using hydraulic power for mechanical transmission without electricity. It allows every finger joint to adjust at different angles for a precisely closed fist or open palm.

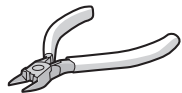
This fun, wearable device can be used perfectly by either right-handed or left-handed users, due to the innovative, adjustable design. Users can switch the thumb to make it operation-friendly, depending on their preference! You can easily adjust the hand to suit a wide variety of hand sizes (palm and finger lengths) – your cyborg hand device will fit and work smoothly for both kids and adults. Now, put on your Hydraulic Cyborg Hand and amaze your friends for some fun.



警告 Warning

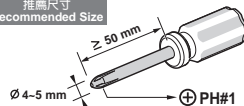
- 1.本玩具內含小物件，請勿讓三歲以下孩童取得，以免放入口中造成窒息。
Choking hazard - Small parts. Not for children under 3 years.
- 2.兒童使用剪切工具時，請家長指導使用方式，並請在家長監督下使用，以免發生意外。
Adult supervision is recommended when children use scissors.
- 3.為避免嬰兒或兒童產生窒息的危險，請於拆卸後立即將塑膠袋銷毀或遠離嬰兒及兒童。
To avoid danger of suffocation, keep the plastic bag away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

自備工具如下 Tools You May Need



斜口鉗
Diagonal Cutter

推薦尺寸
Recommended Size



#1 十字起子
Screwdriver



剪刀
Scissors



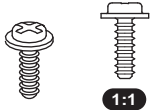
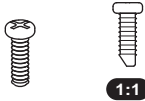




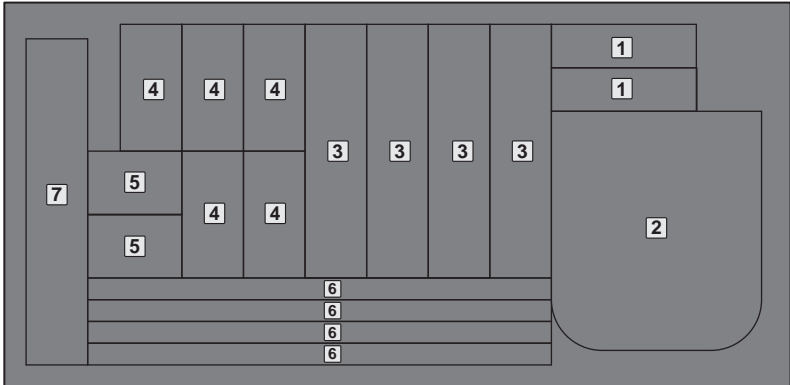
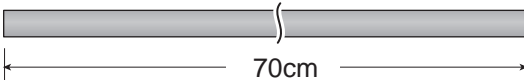


杯子 & 水
Cup & Water



麥克筆(細體)
Marker Pen (Fine)

零件清單 Mechanical Parts List

！ 部份零件含有銳利的邊緣及尖角 Product contains functional edges and sharp points.

P1	華司螺絲 Tapping Screw	P2	自攻螺絲 Tapping Screw	P3	活塞帽(小) Cap (Small)
 3 pcs		 20 pcs		 3 pcs	
P4	活塞帽(大) Cap (Big)	P5	彈簧(短) Spring(Short)	P6	彈簧(長) Spring (Long)
 5 pcs		 4 pcs		 3 pcs	
P7	泡棉貼Sponge			P8	軟管 Soft Tube
				 70cm 1 pc	
				P9	油包 Oil Bag
				 1 pc	
				<div><div>安裝時請勿碰觸到油 Do not touch the oil while fitting on the soft tube.</div></div>	

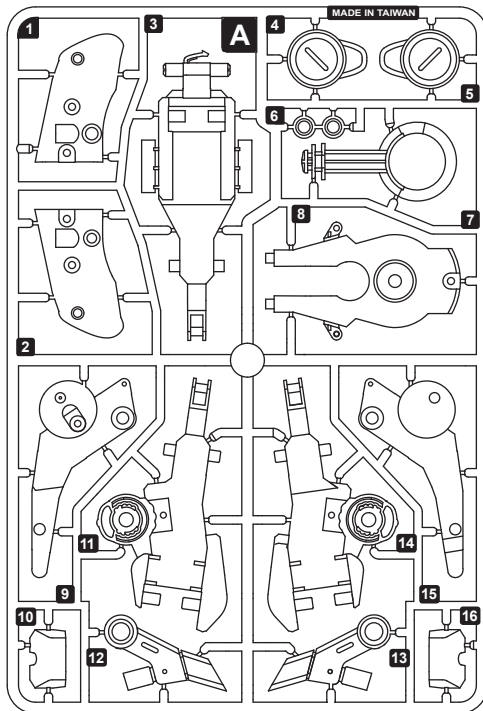
塑膠模型零件 Plastic Parts

! 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.

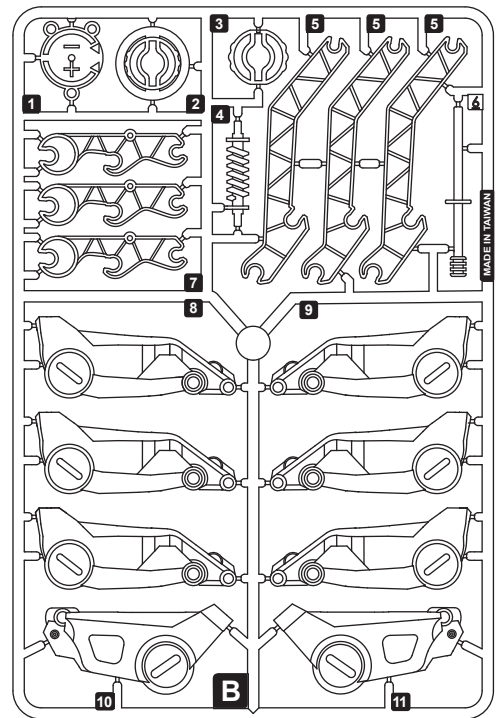


請依照組裝步驟將所需的零件剪下。事先全數剪下會在組裝時造成混淆
Cut the plastic parts when they are required. Do not cut them in advance.

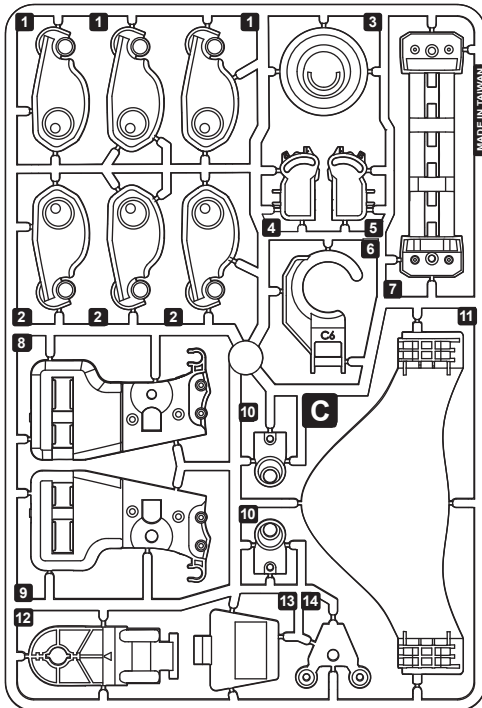
A



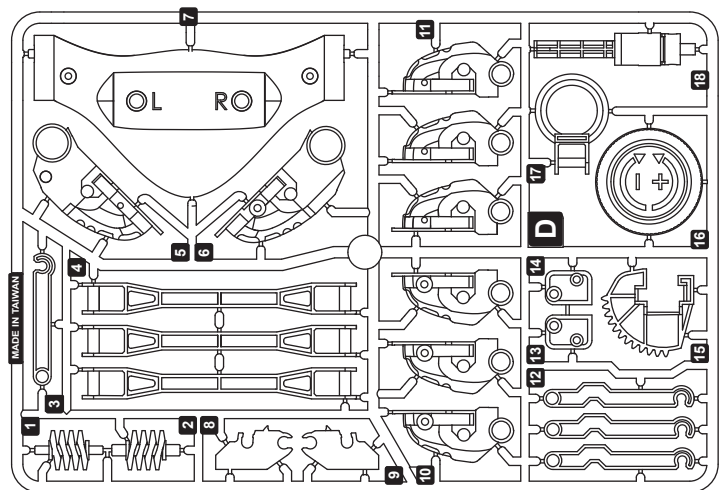
B



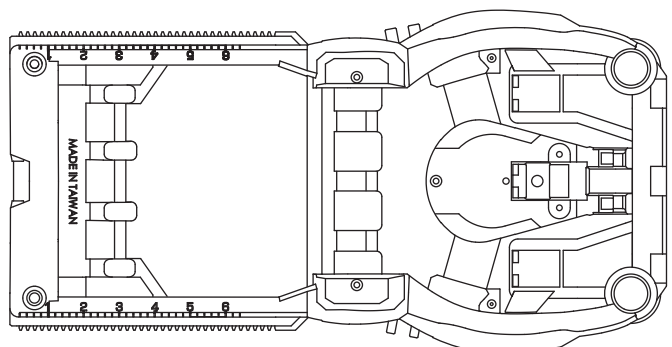
C



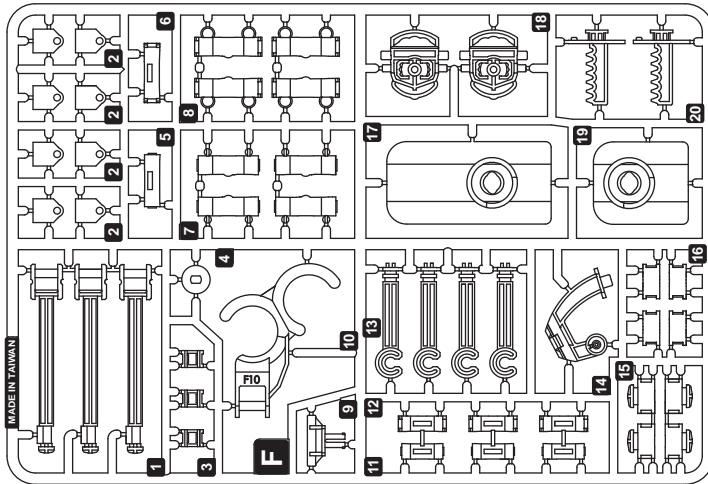
D



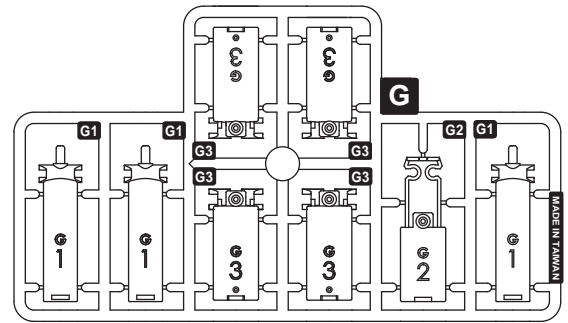
E



F



G



務必注意
Must-know

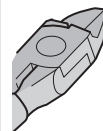
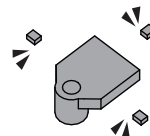
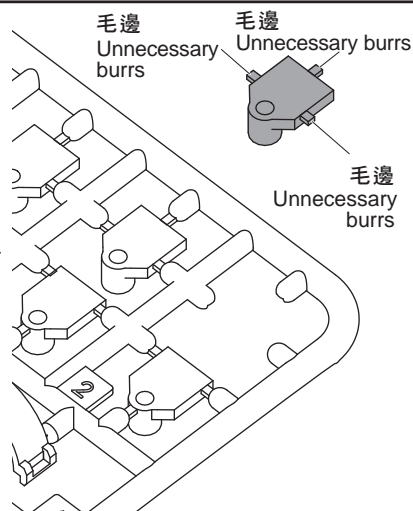
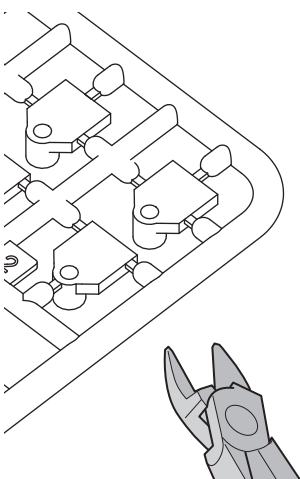


小技巧提醒 Read It Before Assembly

在開始組裝前，請仔細閱讀以下說明

Please read through and follow the tips below before assembly.

剪切毛邊 Remove burrs

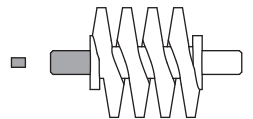


零件剪下時請將毛邊剪切乾淨，以免產生間隙導致運作不良

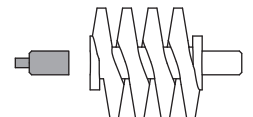
It happens a lot some burrs are left at the edge of plastic parts after cutting them off.
Make sure the burrs are completely removed to avoid operation malfunction.



正確
Correct



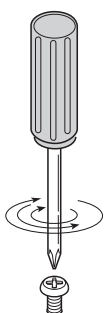
錯誤
Incorrect



請勿過度剪切非毛邊的塑膠零件，以免組裝不確實，導致運作不良

Trim off the burrs ONLY. Do not trim off the protrusion belonged to original plastic parts. All features of parts should be kept completely.

旋緊螺絲 Fasten Tapping Screws



請使用正確的起子頭型(#1)，依照下面的步驟將螺絲鎖緊

Use corresponding (size-compatible) screwdriver. By following steps below, you can fasten the tapping screws perfectly.

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

- (1) 開始擰轉
- (2) 鎖固感越來越緊繃
- (3) 繼續擰轉

- (1) Screw in
- (2) Feel the tension getting higher
- (3) Keep screwing

重複動作直到無法再擰動螺絲為止

Repeat until screws are tightly fastened.



請務必將螺絲確實鎖緊至底

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.



正確
Correct

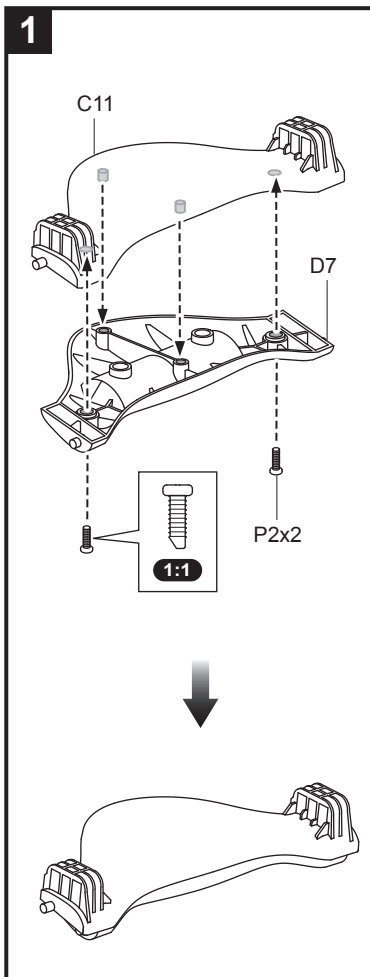


錯誤
Incorrect

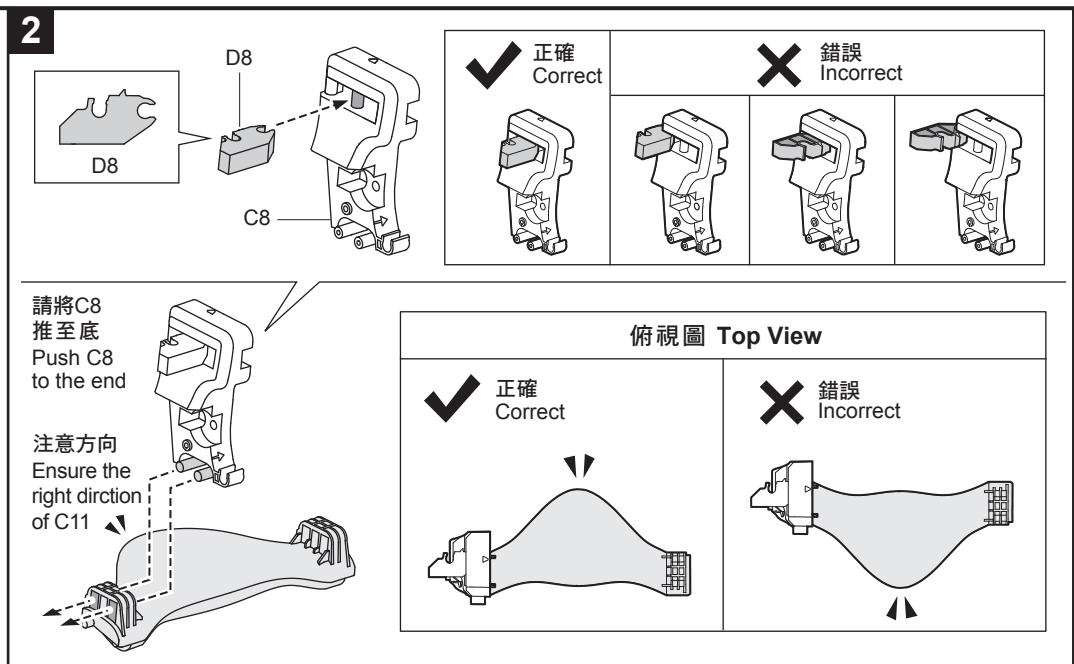


握把組裝 Operation-Bar Assembly

1



2



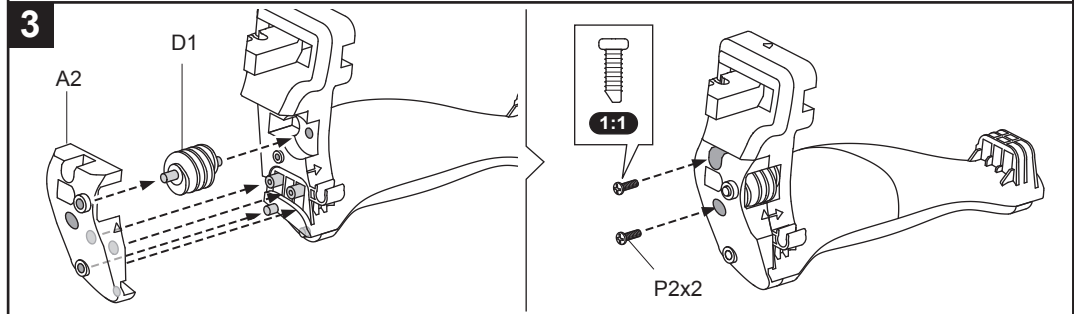
請將C8 推至底
Push C8 to the end

注意方向
Ensure the right direction of C11

俯視圖 Top View

✓ 正確 Correct	✗ 錯誤 Incorrect

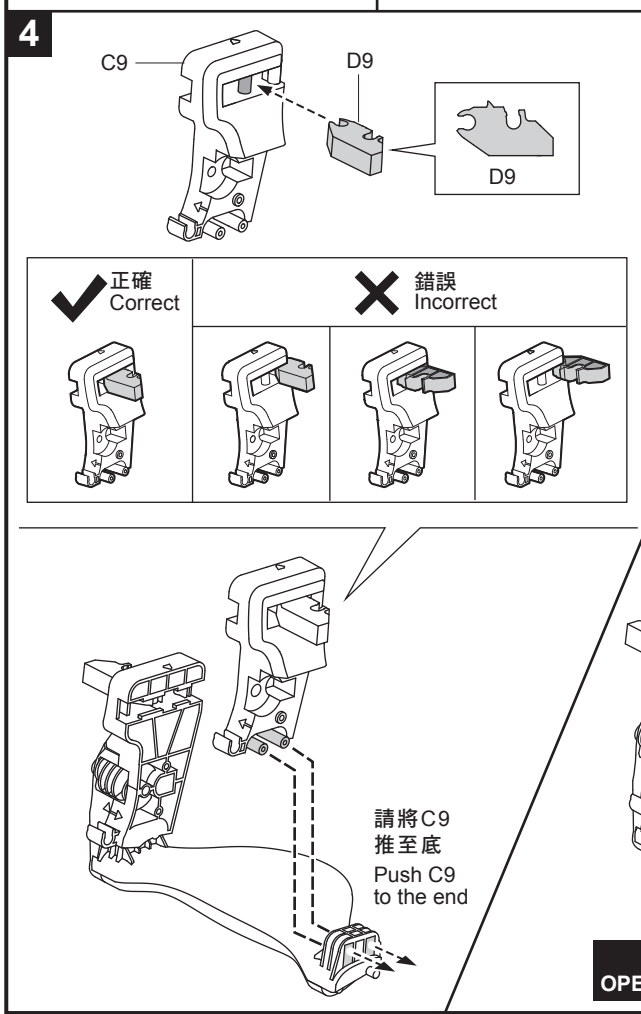
3



1:1

P2x2

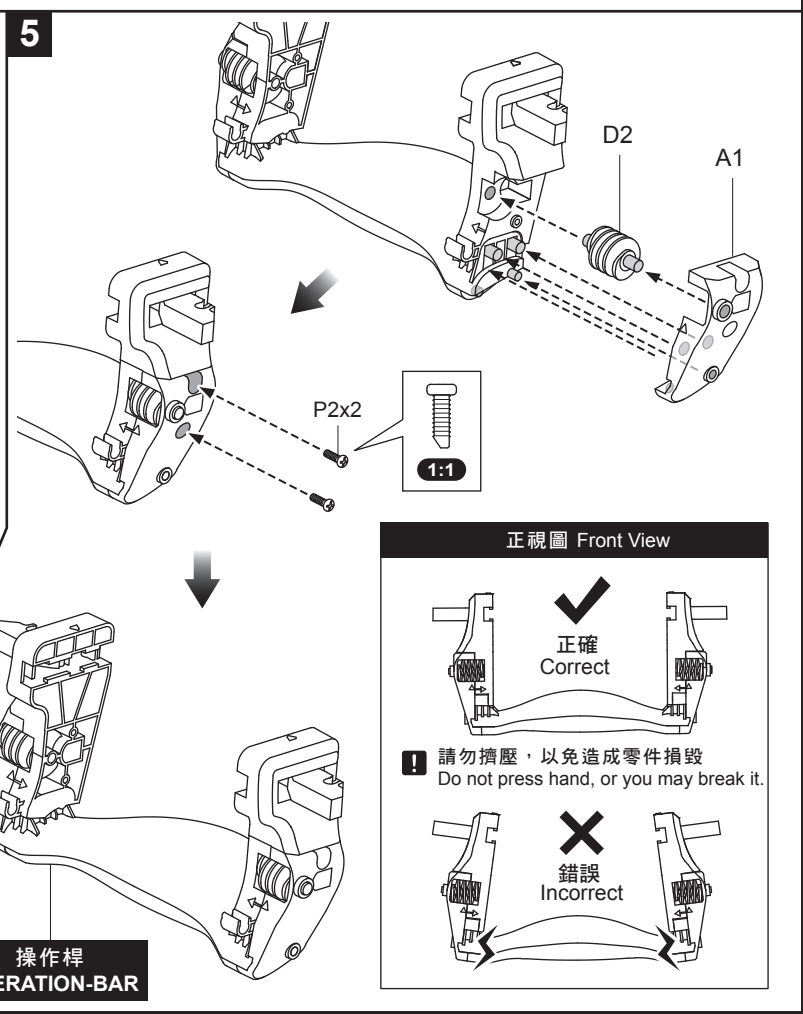
4



請將C9 推至底
Push C9 to the end

操作桿
OPERATION-BAR

5

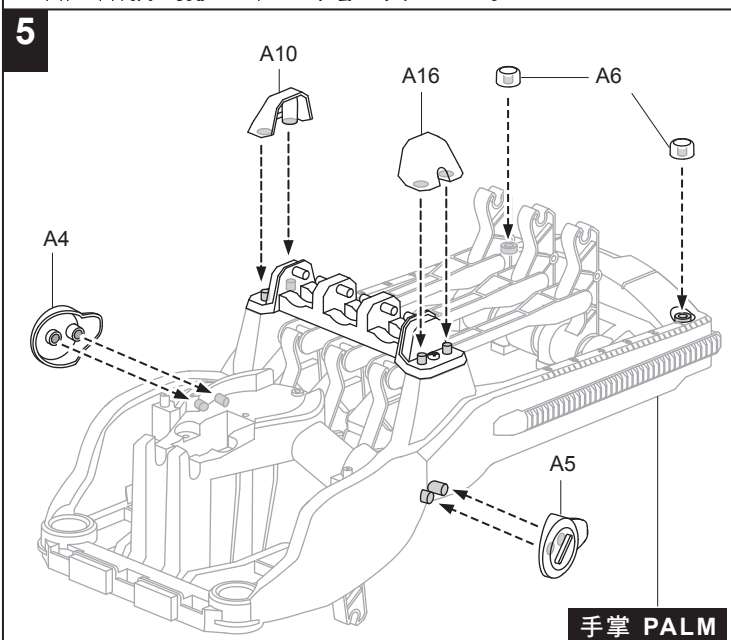
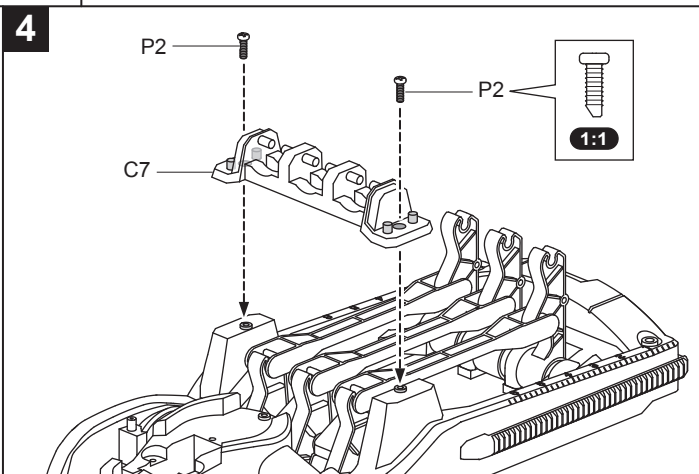
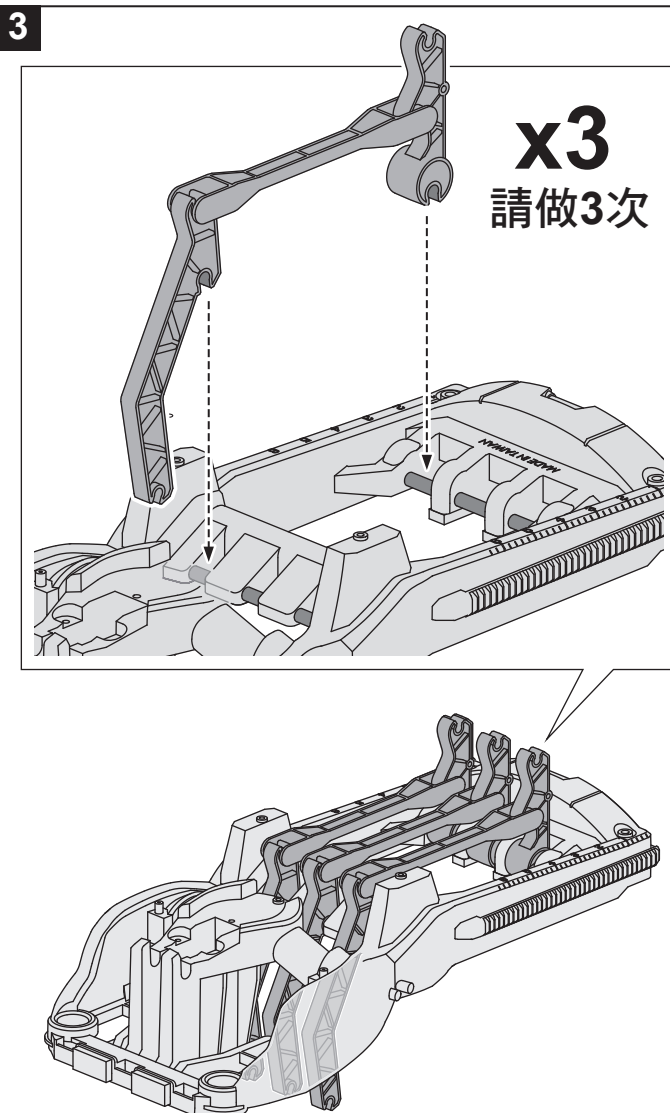
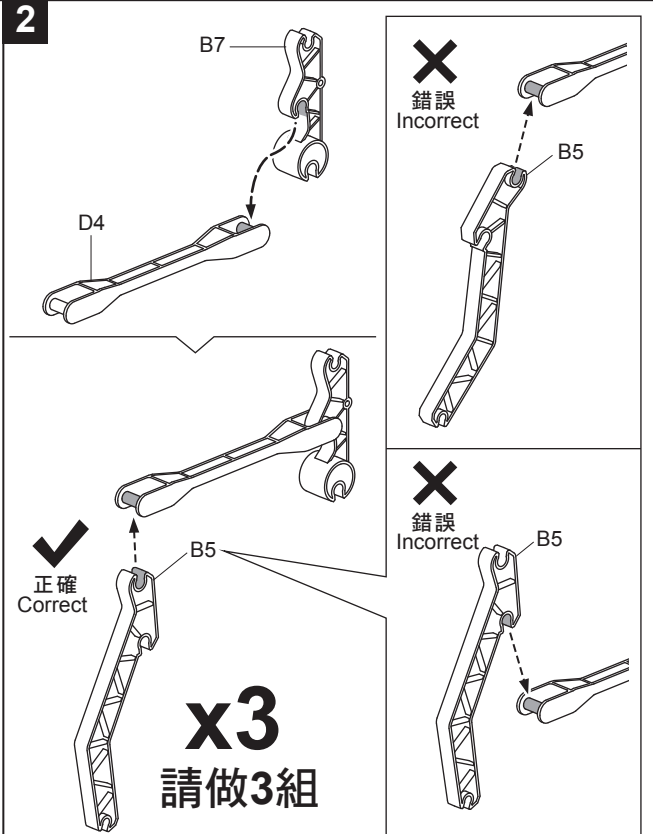
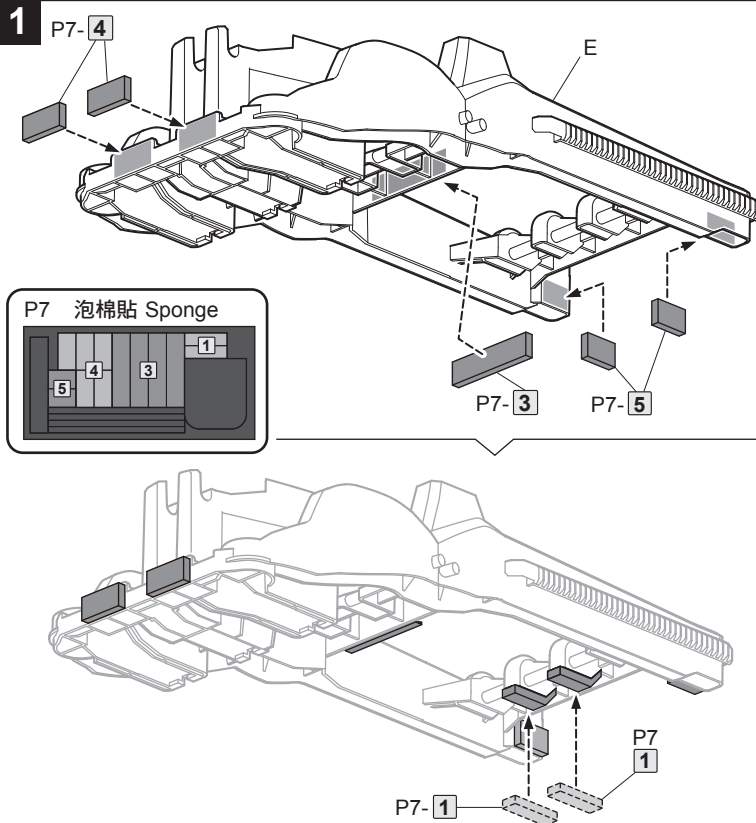


正視圖 Front View

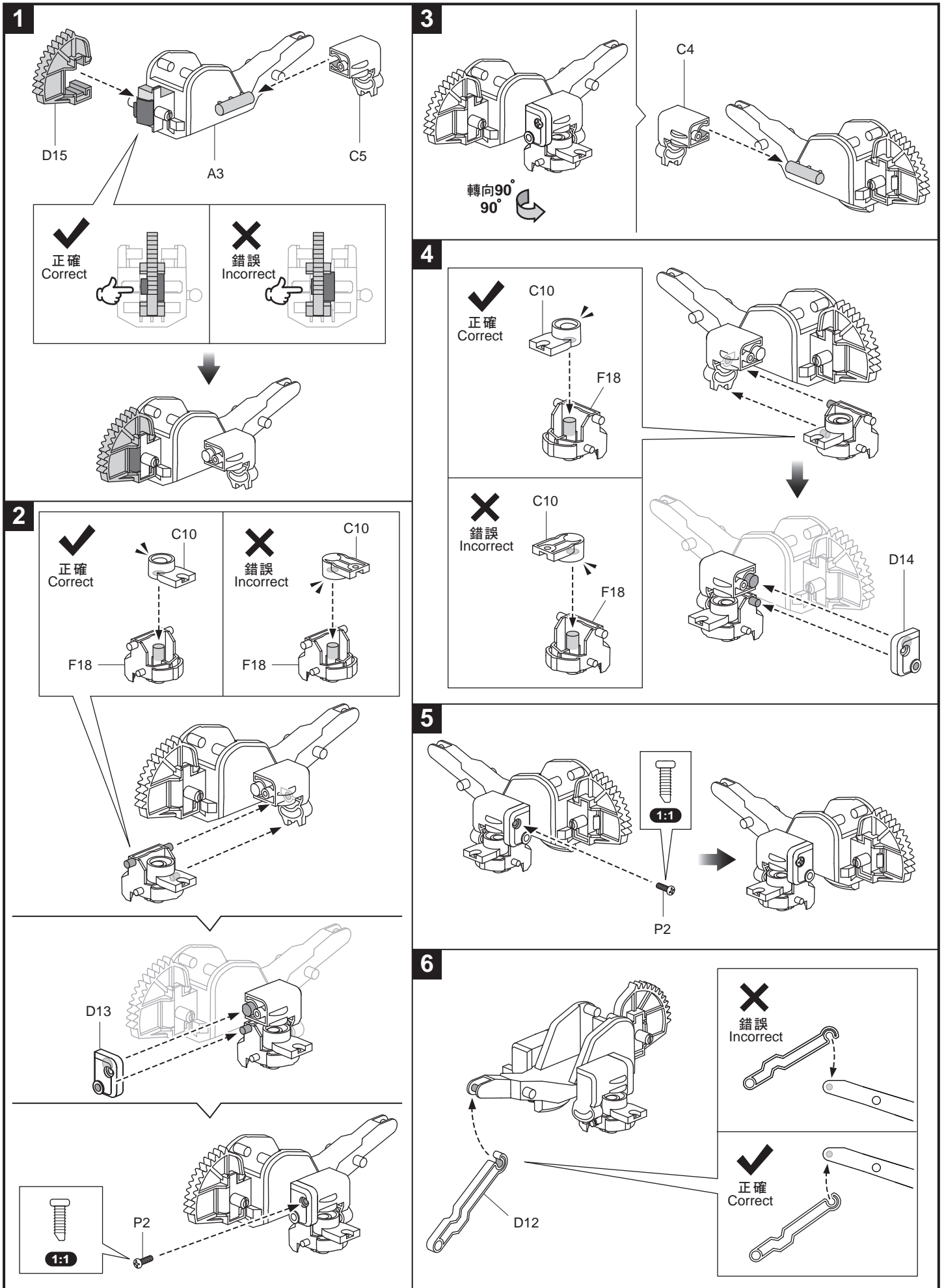
✓ 正確 Correct	✗ 錯誤 Incorrect

❗ 請勿擠壓，以免造成零件損毀
Do not press hand, or you may break it.

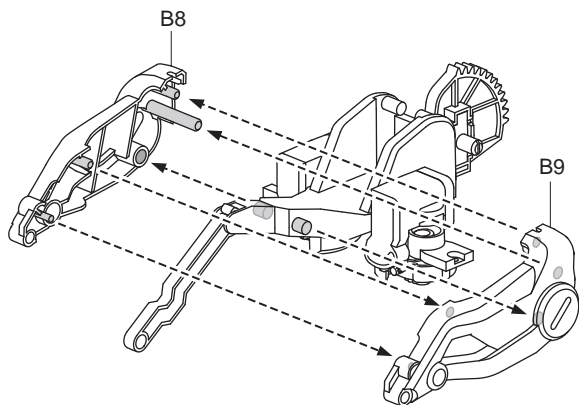
手掌組裝 Palm Assembly



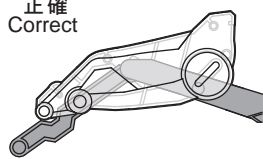
手指組裝 Fingers Assembly



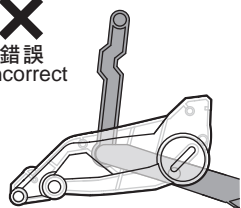
7



✓
正確
Correct

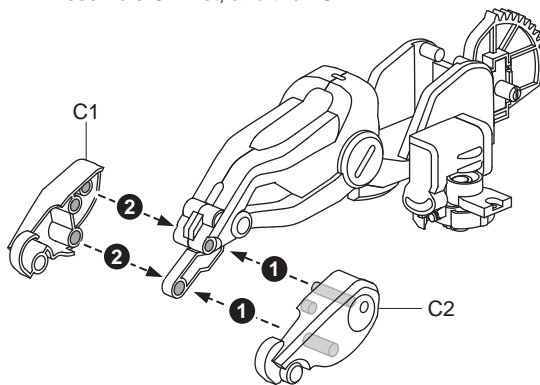


✗
錯誤
Incorrect



8

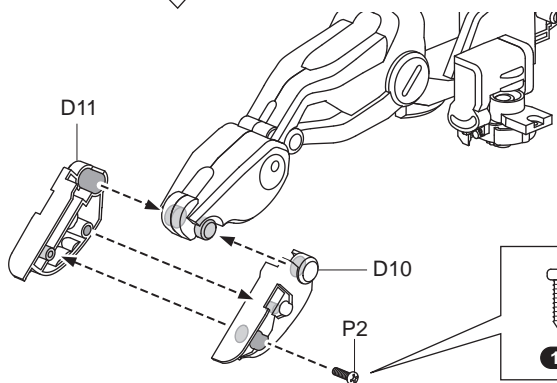
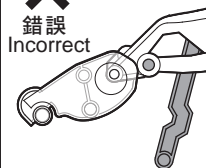
請注意組裝順序:先組C2, 再組C1
Assemble C2 first; and then C1



✓
正確
Correct

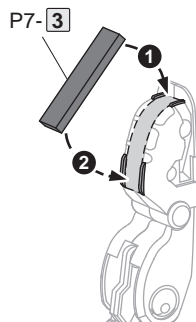
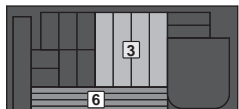


✗
錯誤
Incorrect

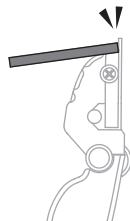


9

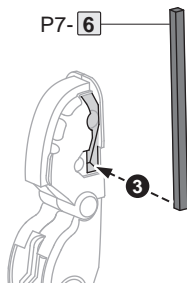
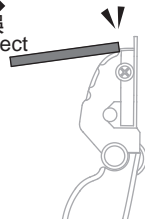
P7 泡棉貼 Sponge



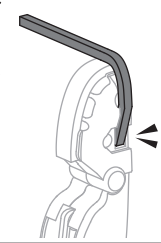
✓
正確
Correct



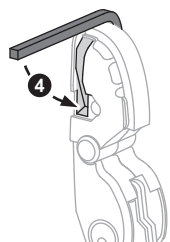
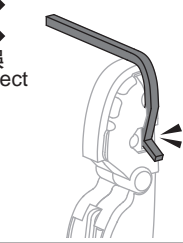
✗
錯誤
Incorrect



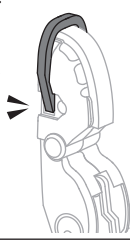
✓
正確
Correct



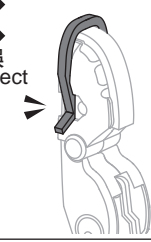
✗
錯誤
Incorrect



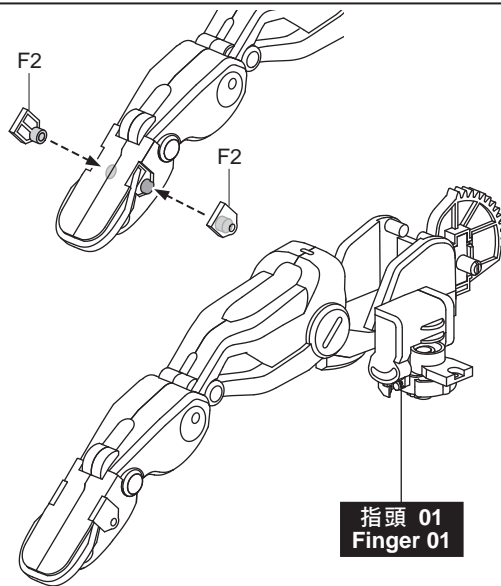
✓
正確
Correct



✗
錯誤
Incorrect

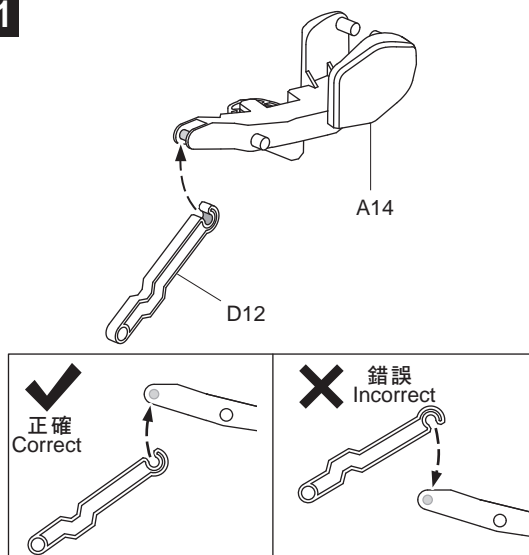


10

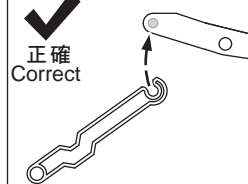


指頭 01
Finger 01

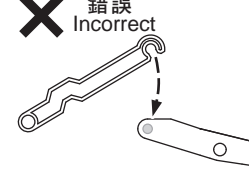
11



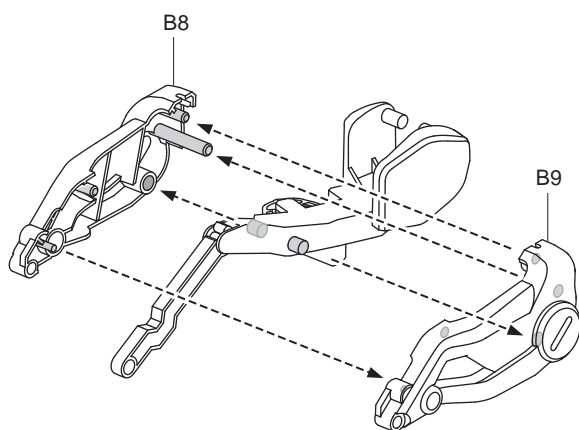
✓
正確
Correct



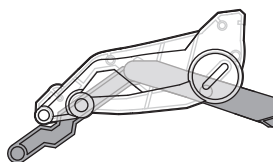
✗
錯誤
Incorrect



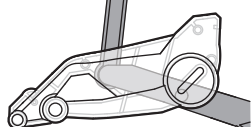
12 請注意A14方向要正確 Ensure the right direction of A14



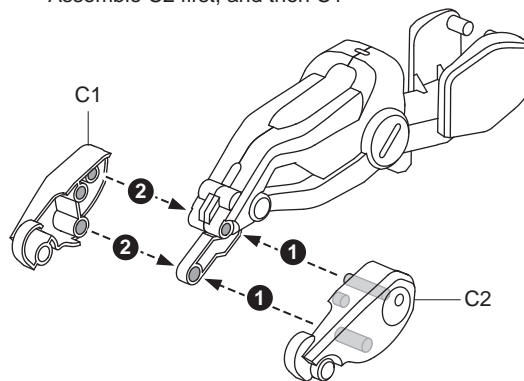
✓ 正確
Correct



✗ 錯誤
Incorrect

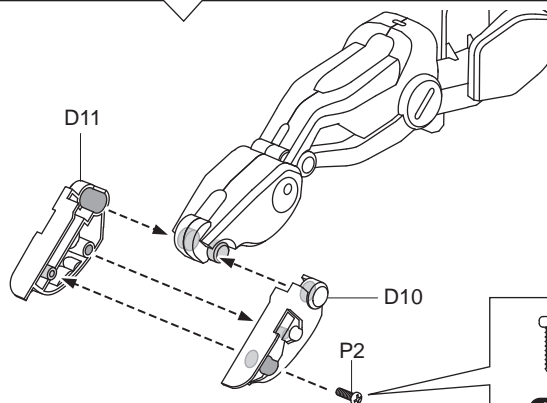
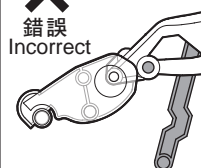


13 請注意組裝順序:先組C2, 再組C1
Assemble C2 first; and then C1



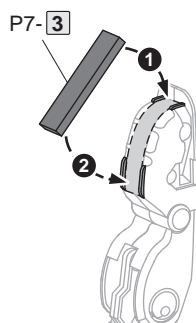
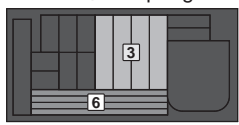
✓ 正確
Correct

✗ 錯誤
Incorrect

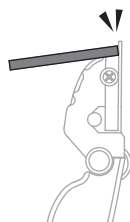


1:1

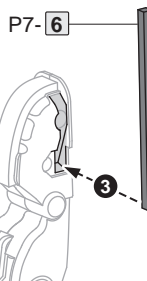
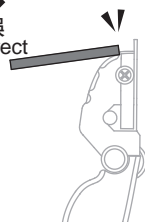
14 P7 泡棉貼 Sponge



✓ 正確
Correct



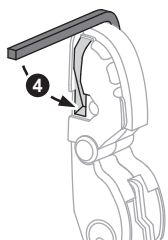
✗ 錯誤
Incorrect



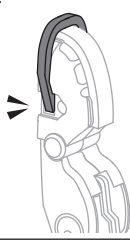
✓ 正確
Correct



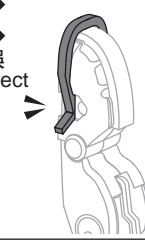
✗ 錯誤
Incorrect



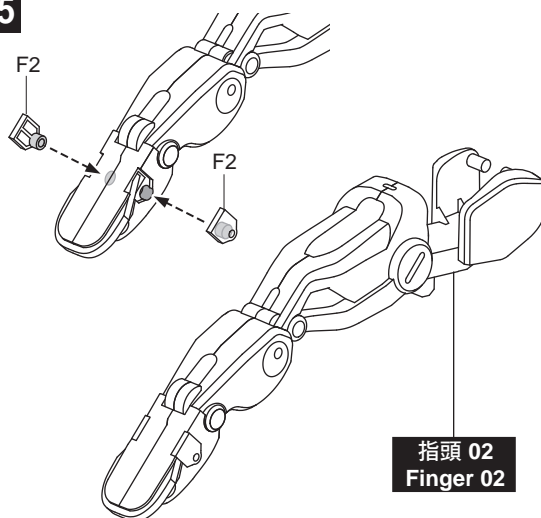
✓ 正確
Correct



✗ 錯誤
Incorrect

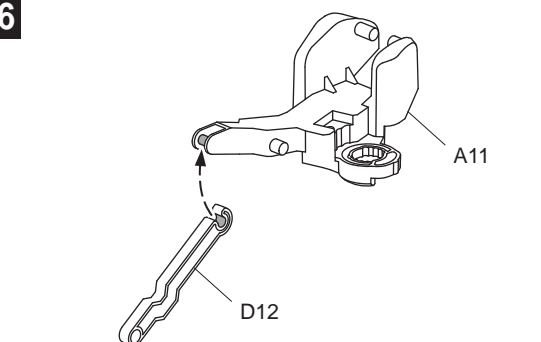


15

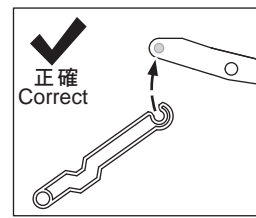


指頭 02
Finger 02

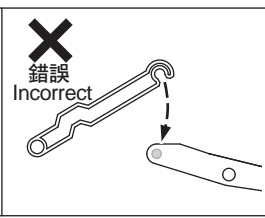
16



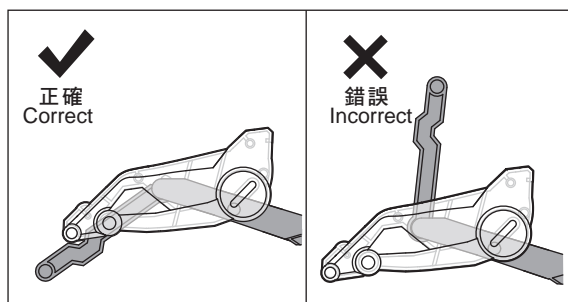
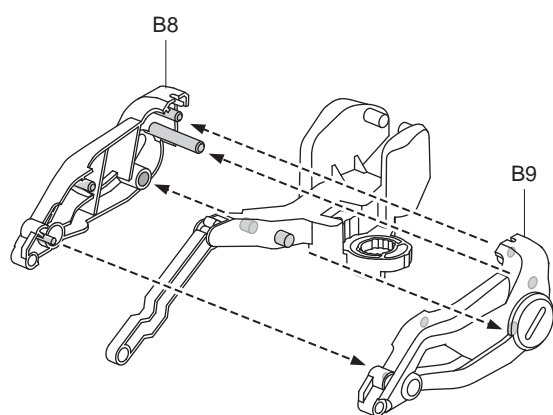
✓ 正確
Correct



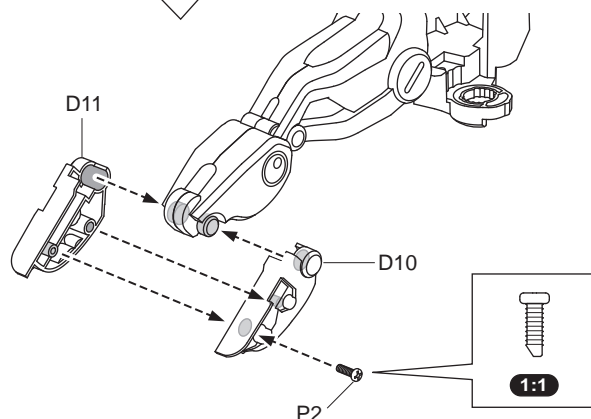
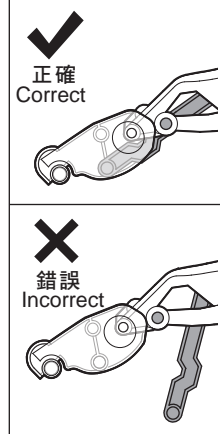
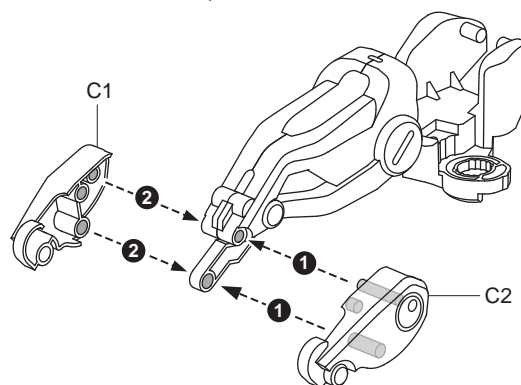
✗ 錯誤
Incorrect



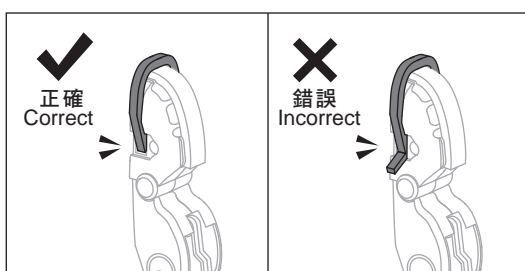
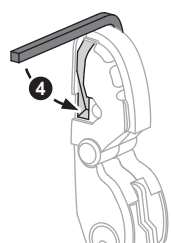
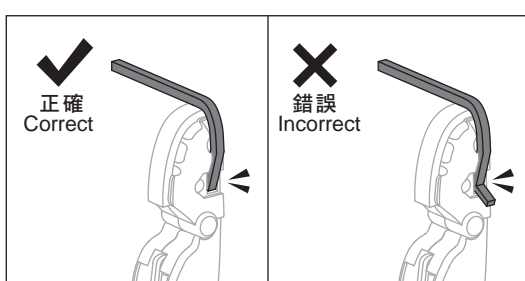
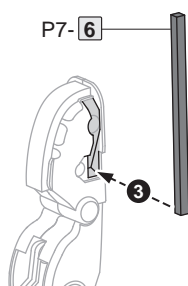
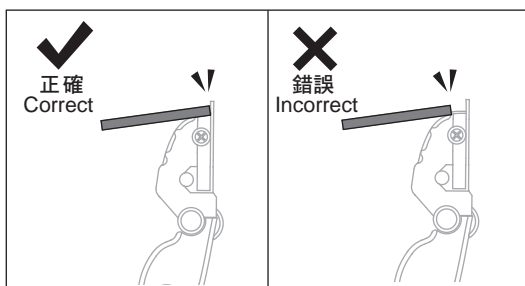
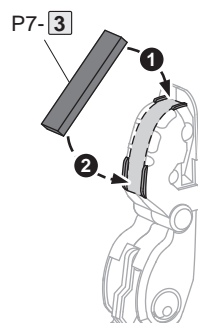
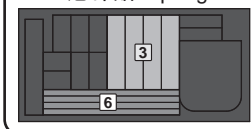
17 請注意A11方向要正確 Ensure the right direction of A11.



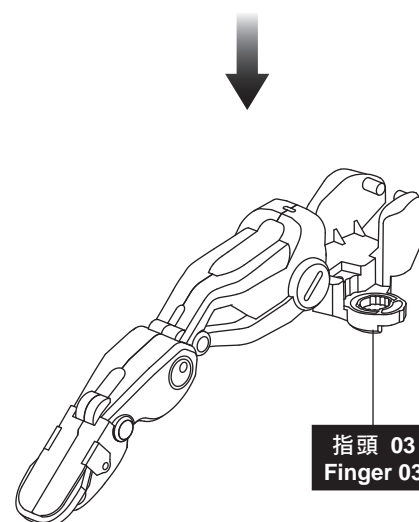
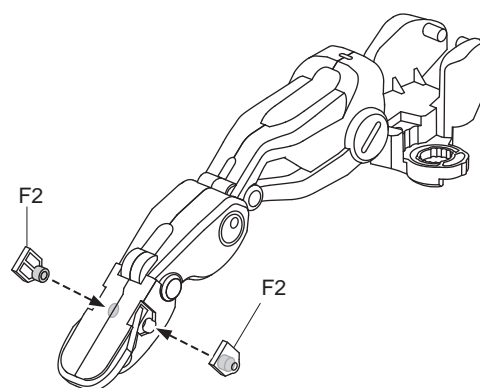
18 請注意組裝順序:先組C2, 再組C1
Assemble C2 first; and then C1



19 P7 泡棉貼 Sponge

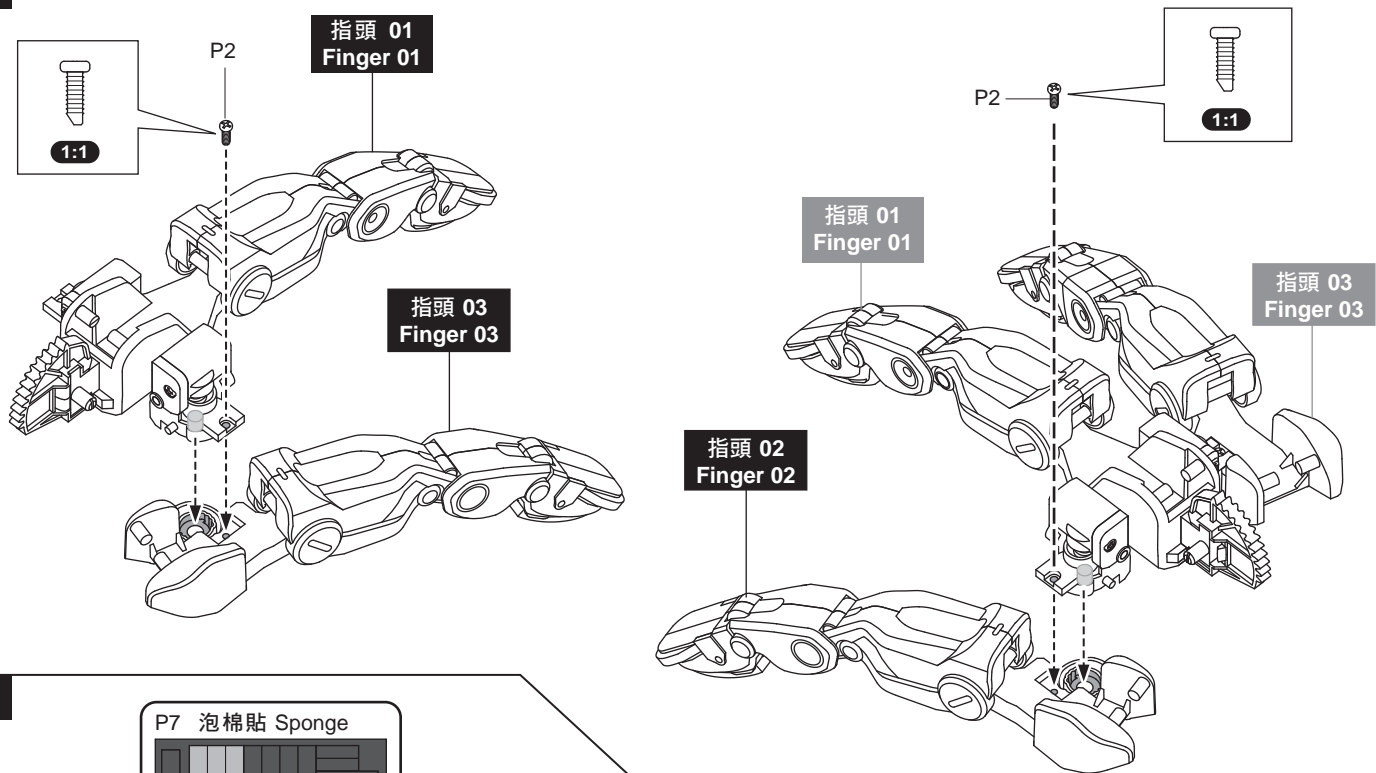


20

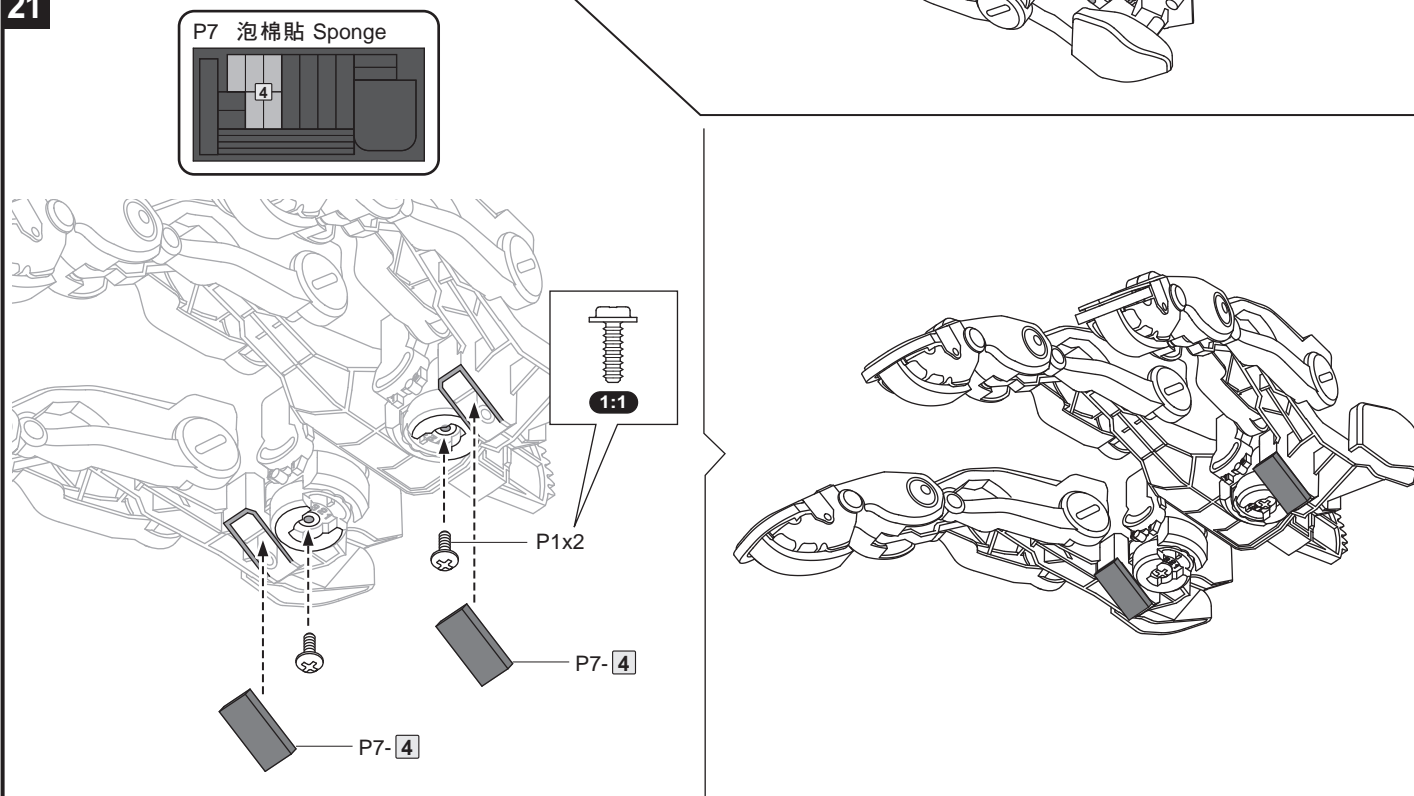


指頭 03
Finger 03

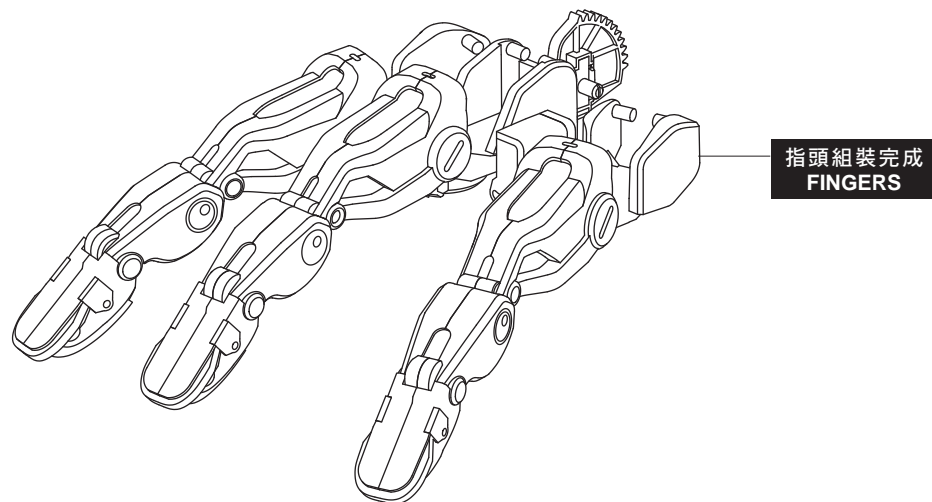
21



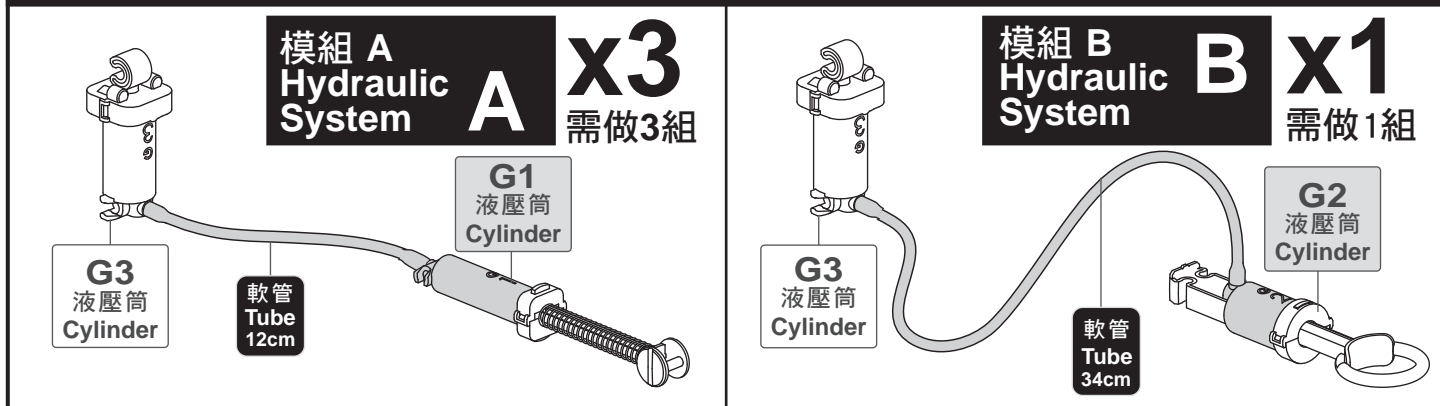
21



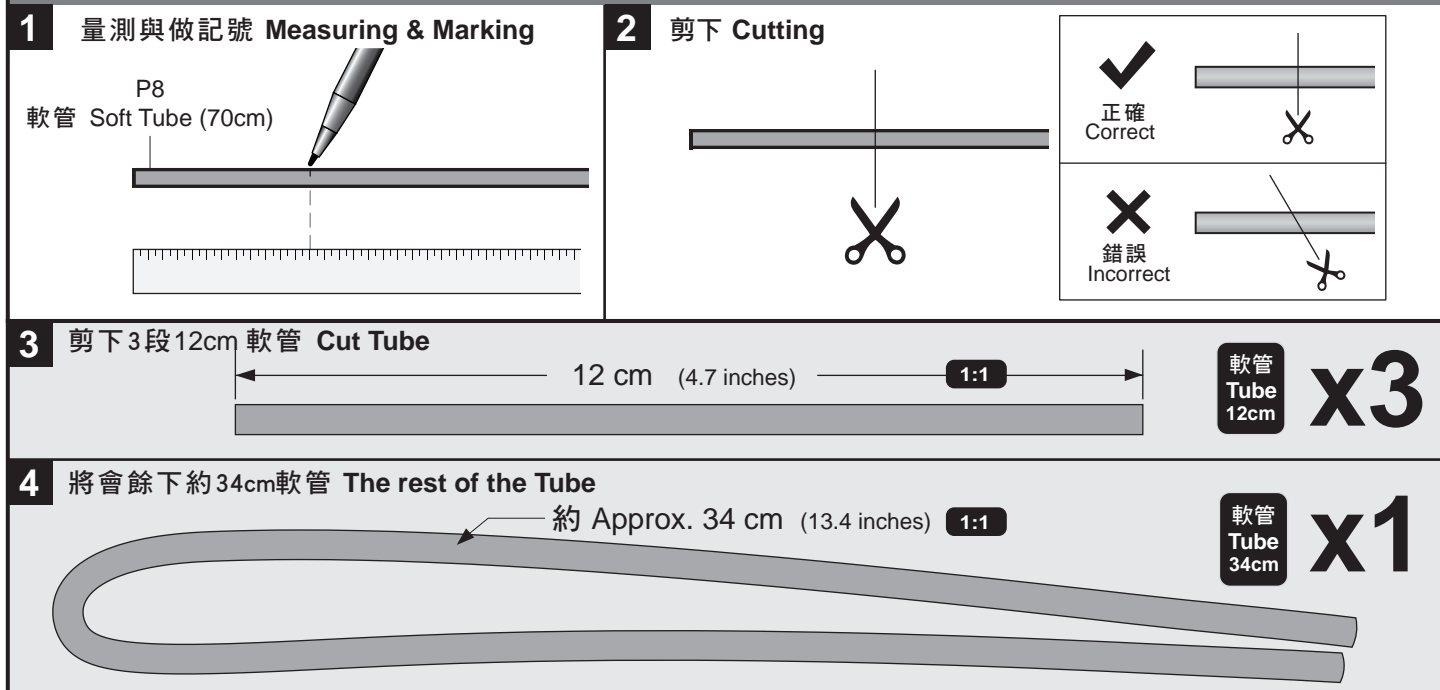
22



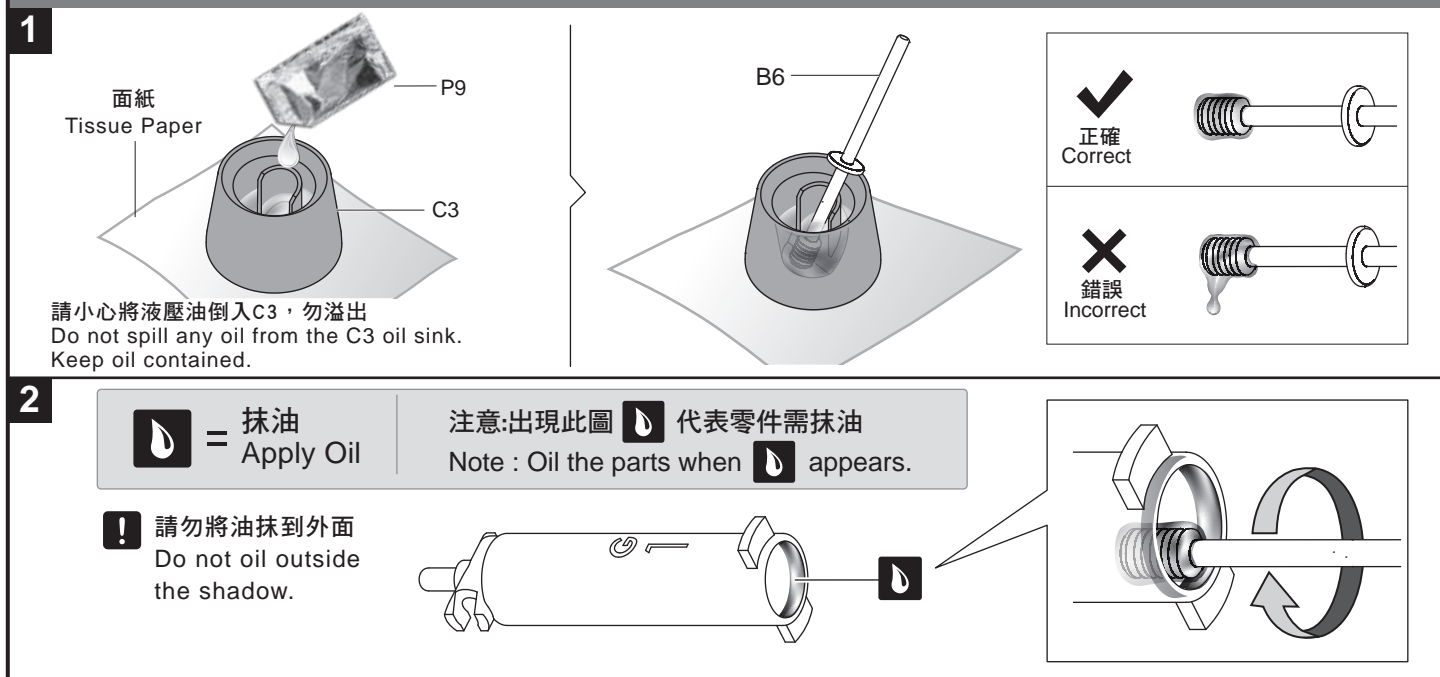
液壓系統模組組裝 Hydraulic System Assembly



軟管裁切 How To Cut The Tube



上油使用說明 How To Oil The Parts



G3液壓筒組裝 G3 Cylinder Assembly

1

組裝F13時，請注意F7&F8的方向務必正確
Before assembling F13, ensure F7 & F8 was built correctly

2

3

! 組裝前請將毛邊剪除乾淨 Cut off the burrs before assembly

毛邊burr 毛邊burr 毛邊burr 毛邊burr

4

5

此處上油 Oil the part

1 2 3 推 PUSH

4 咔嚓 Click

x4 請做4組

G3 液壓筒 Cylinder

G2液壓筒組裝 G2 Cylinder Assembly

1

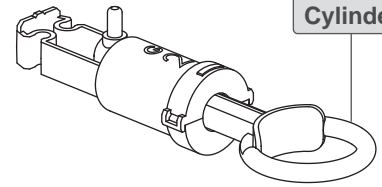
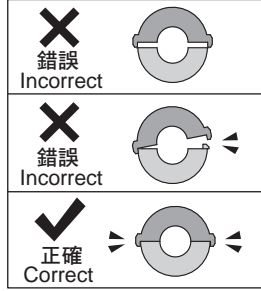
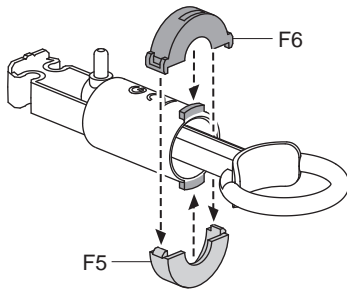
1 2 此處上油 Oil the part

X
錯誤
Incorrect

X
錯誤
Incorrect

✓
正確
Correct

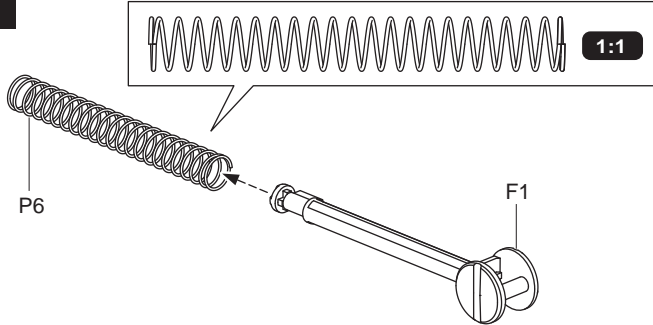
2



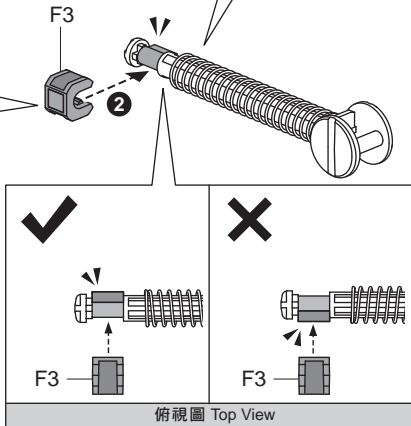
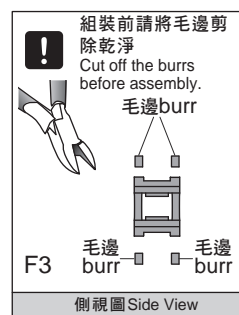
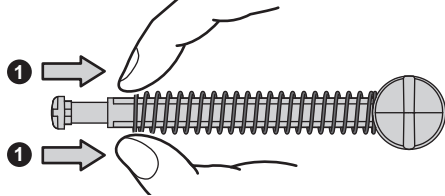
G2
液壓筒
Cylinder

G1 液壓筒組裝 G1 Cylinder Assembly

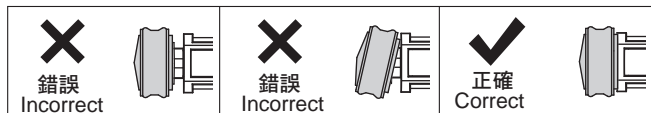
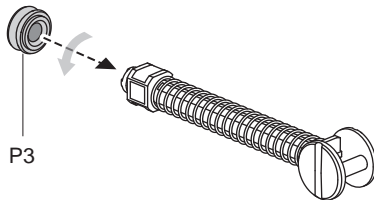
1



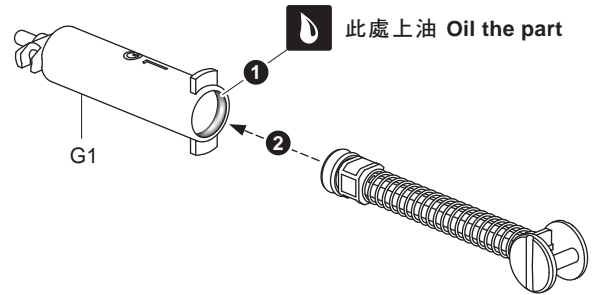
2



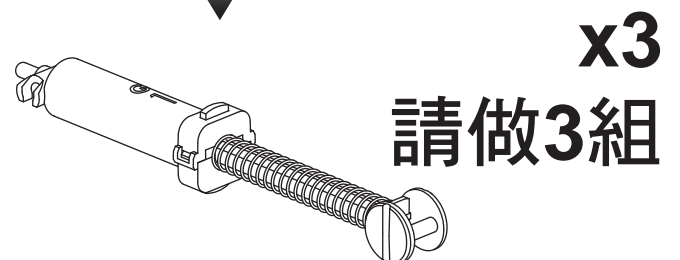
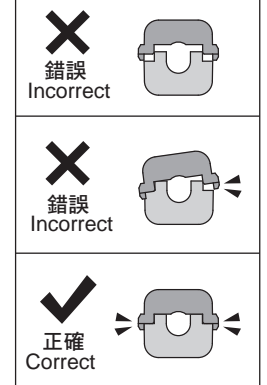
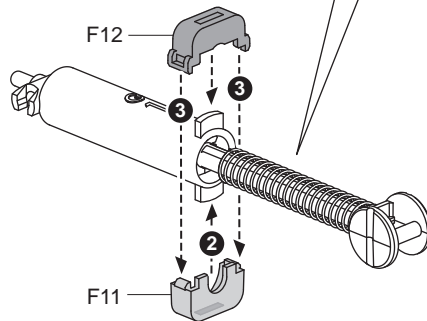
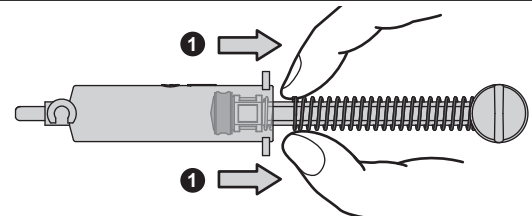
3



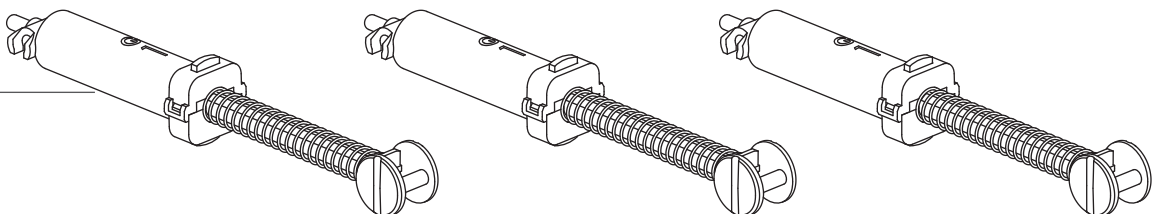
4



5

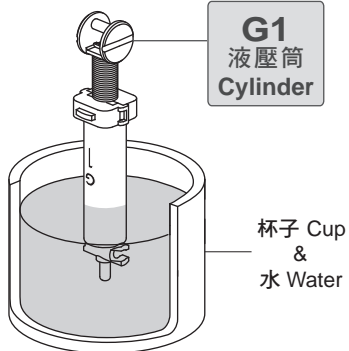


G1
液壓筒
Cylinder

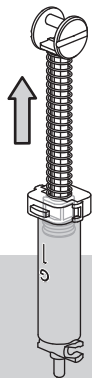


連接G1和G3 Connect G1 with G3

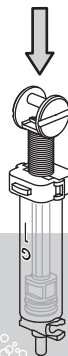
1



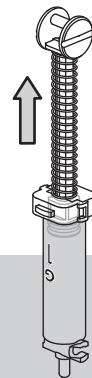
① 將活塞拉到上方(如圖示)
Pull up the piston to the top (as shown below).



② 將活塞推壓至底
Press down the piston to the bottom.



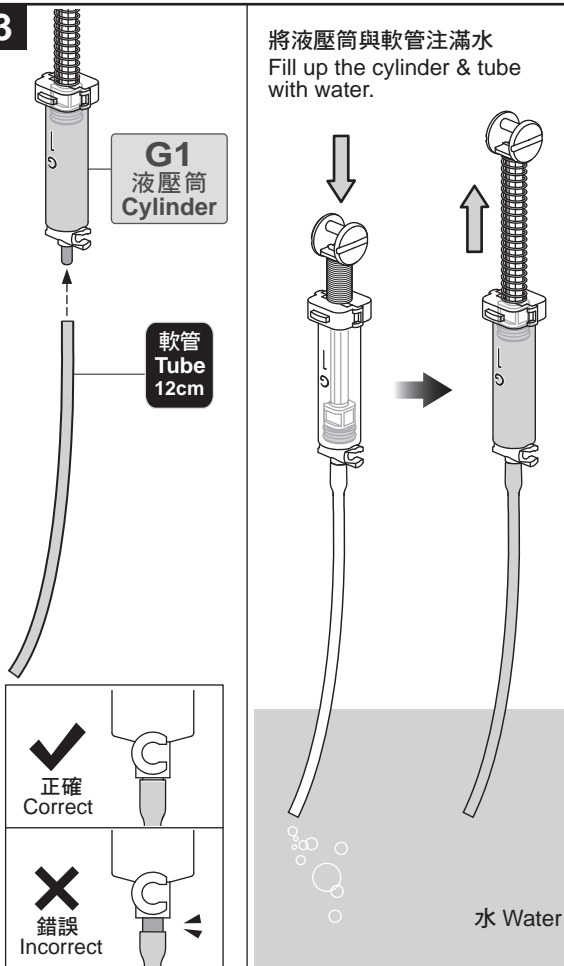
③ 重複 ② ③ 步驟
Re-do ② ③ to fill up the cylinder with water



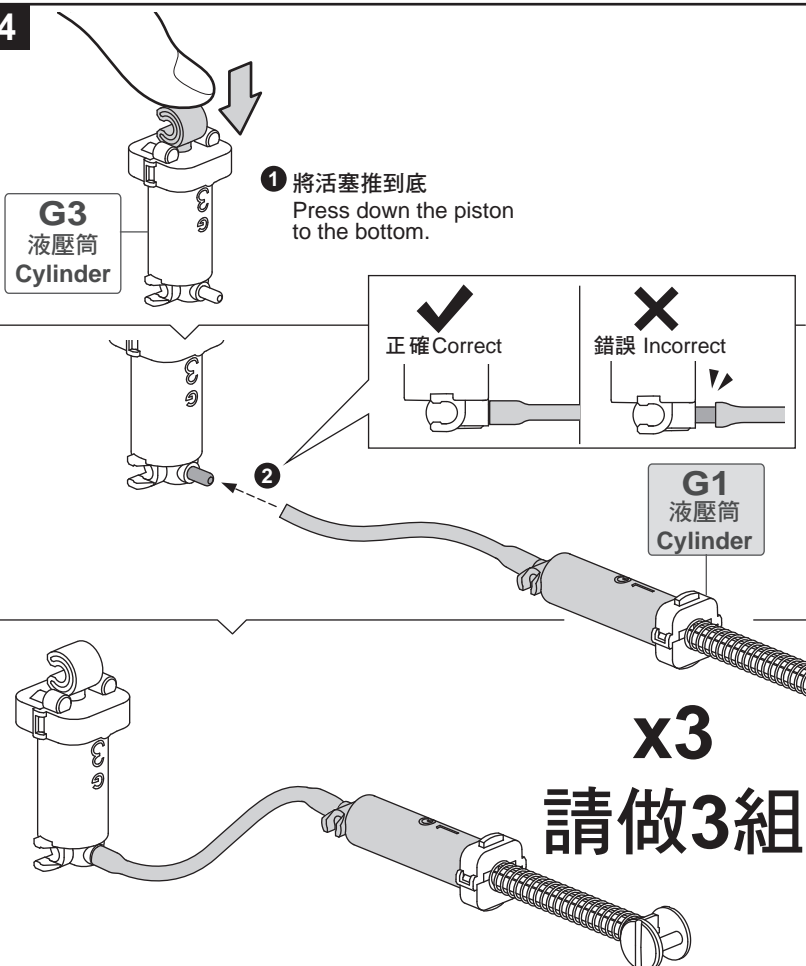
2



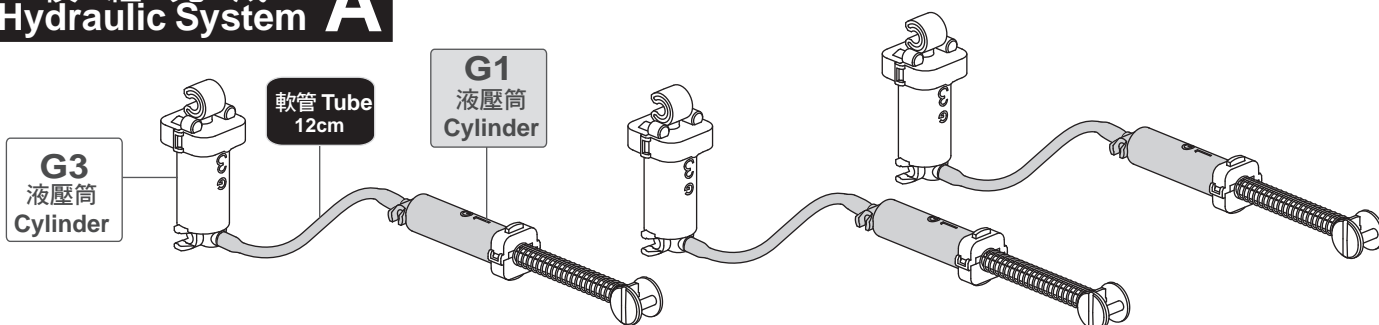
3



4

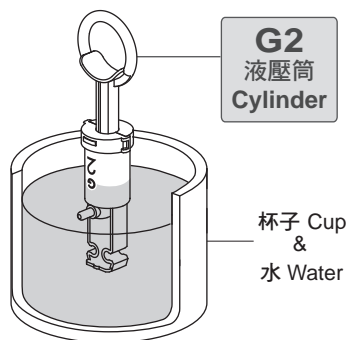


模組完成 Hydraulic System A

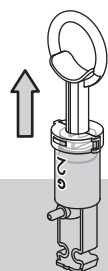


連接 G2 和 G3 Connect G2 with G3

1



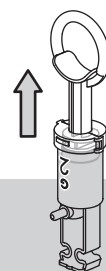
1 將活塞拉到上方(如圖示)
Pull up the piston to the top (as shown below).



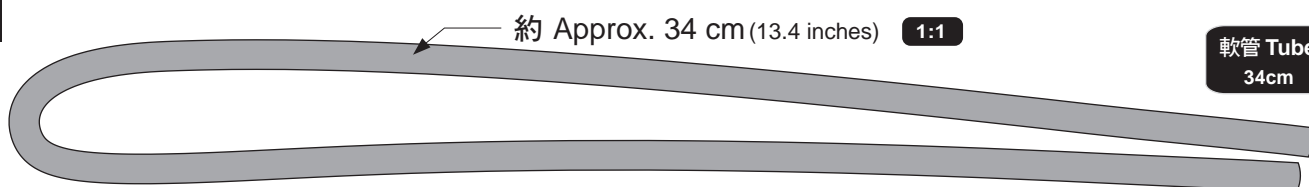
2 將活塞推壓至底
Press down the piston to the bottom.



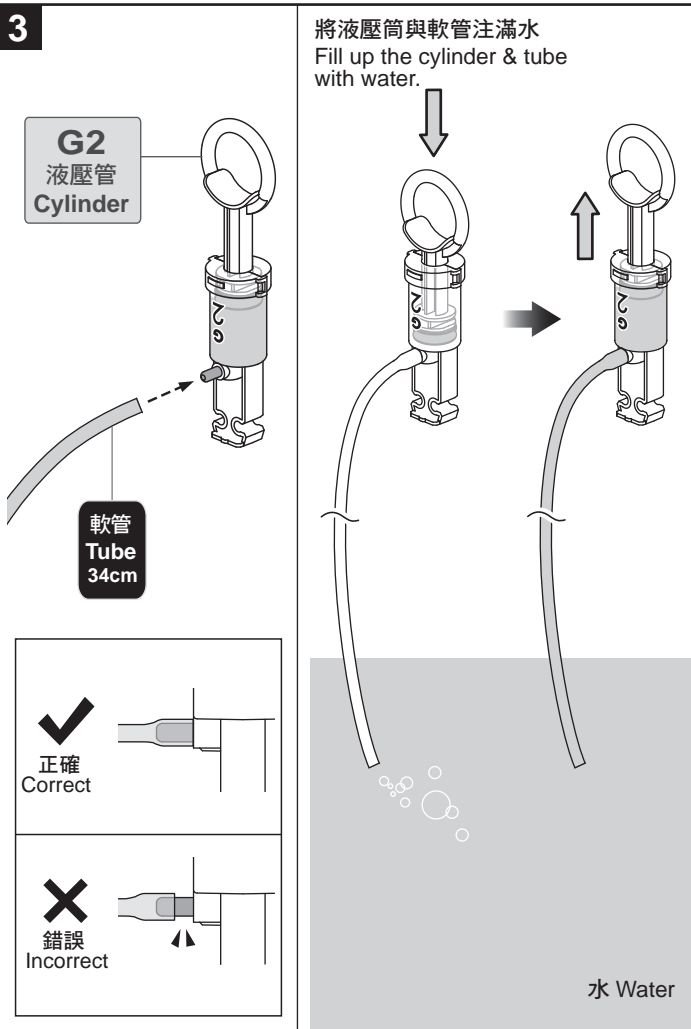
3 重複 2 3 步驟
Re-do 2 3 to fill up the cylinder with water



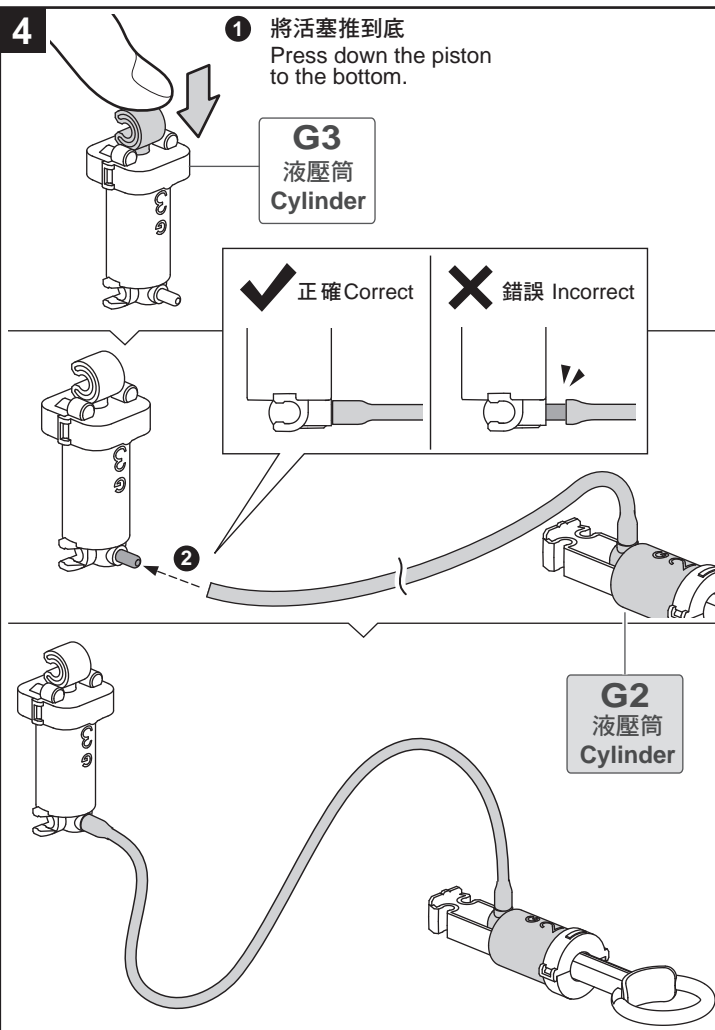
2



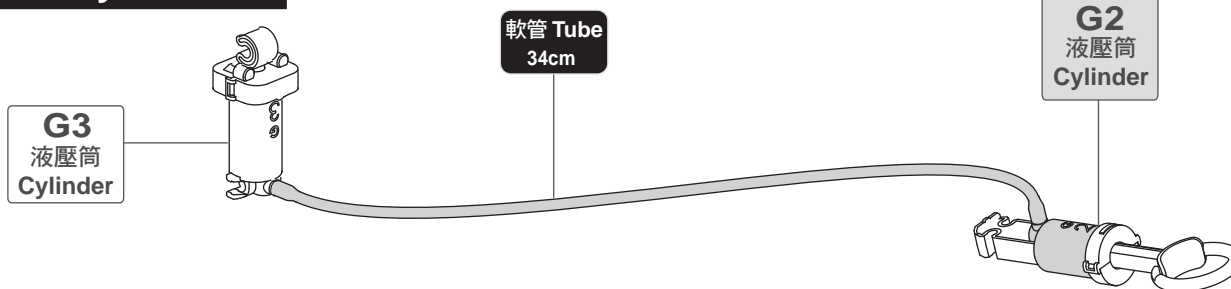
3



4

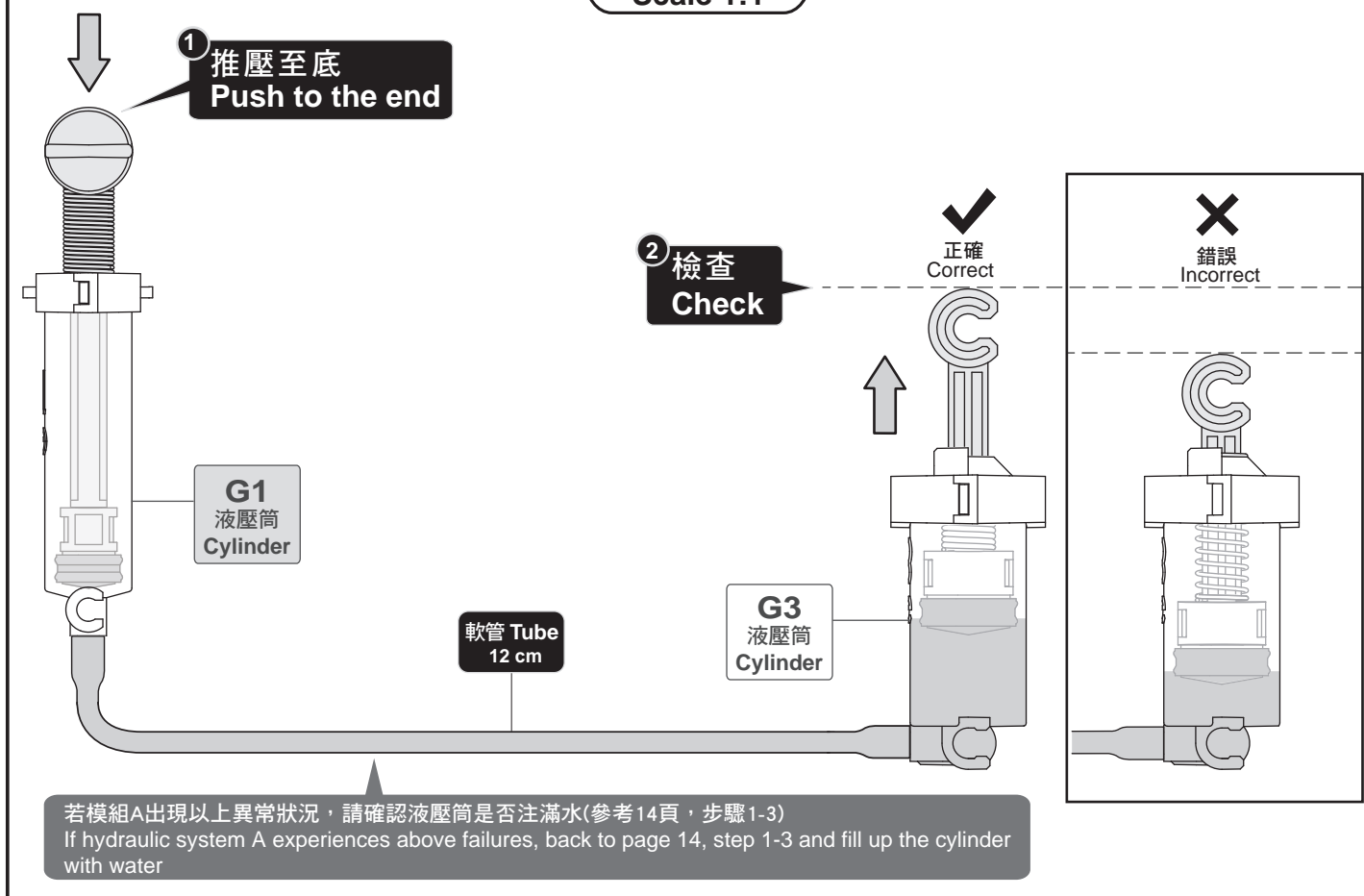


模組完成 B Hydraulic System B



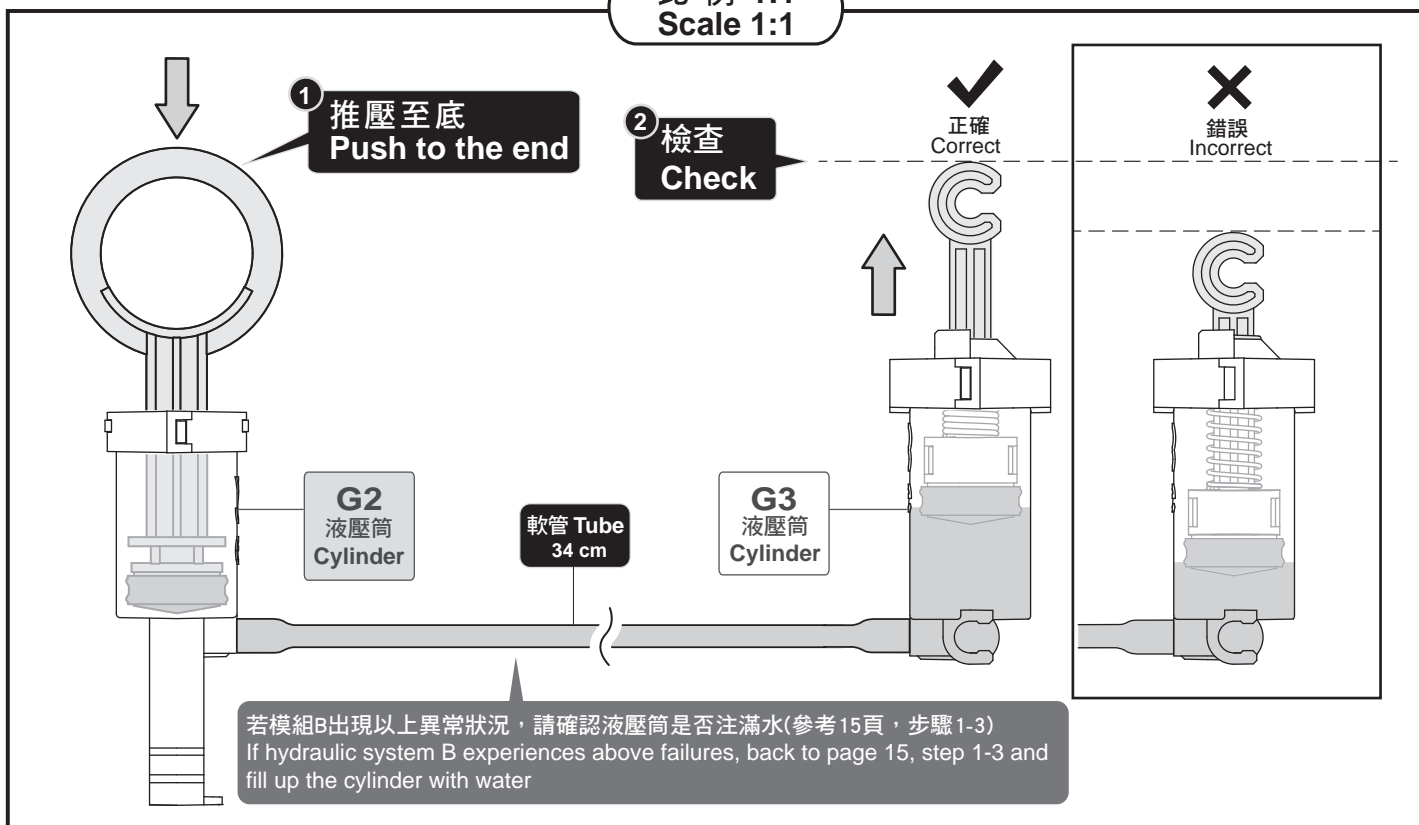
模組A測試 Hydraulic System A Testing

比例 1:1
Scale 1:1



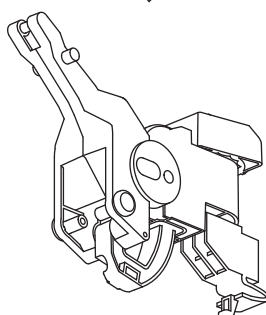
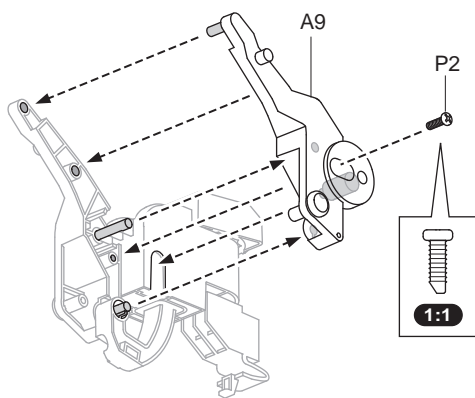
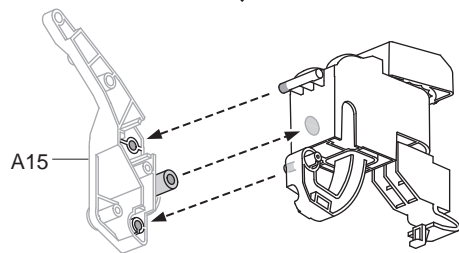
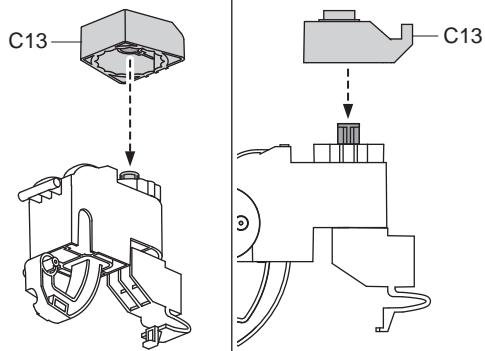
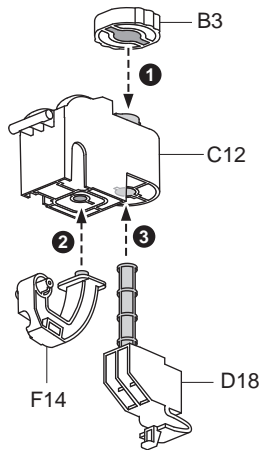
模組B測試 Hydraulic System B Testing

比例 1:1
Scale 1:1

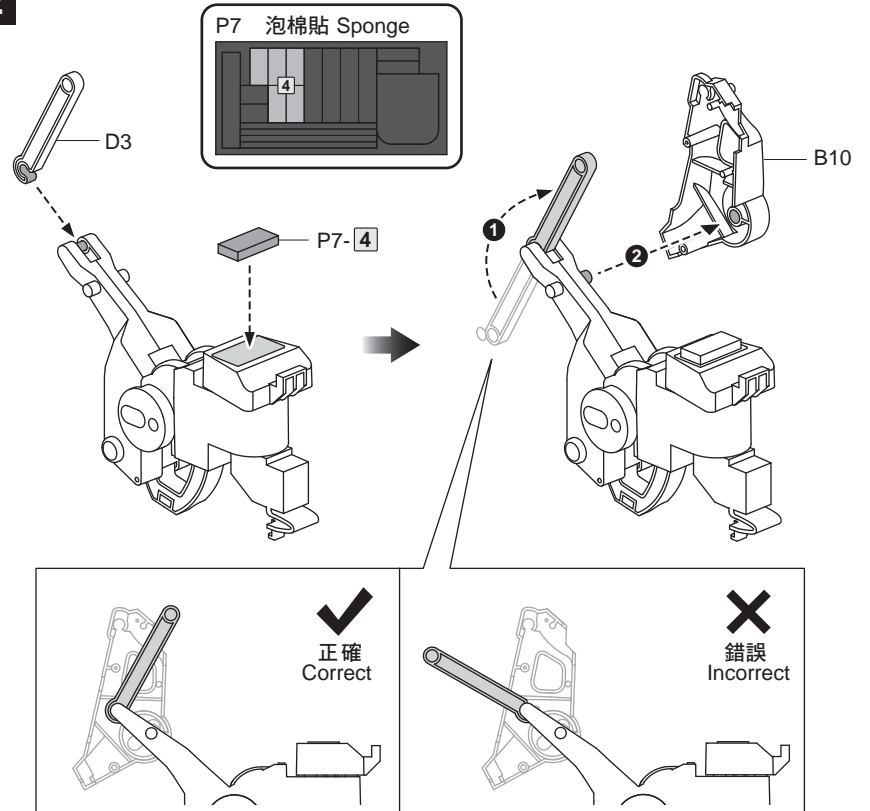


拇指組裝 Thumb Assembly

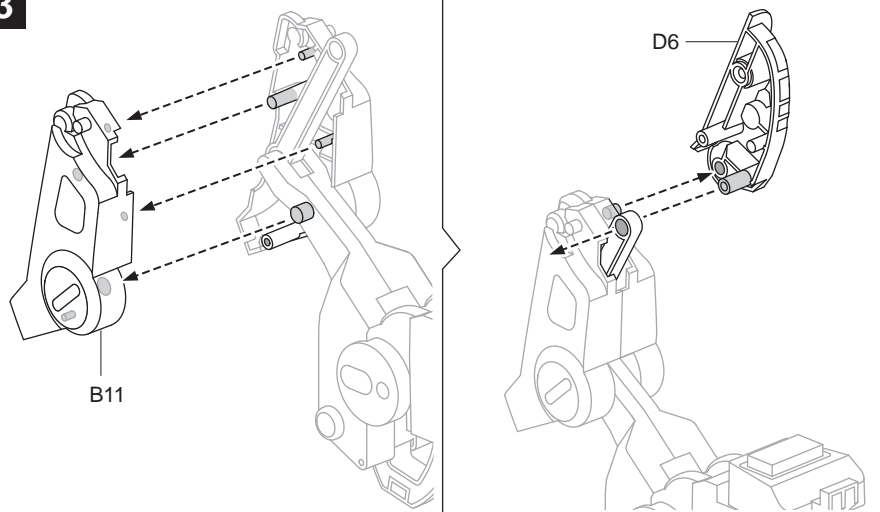
1



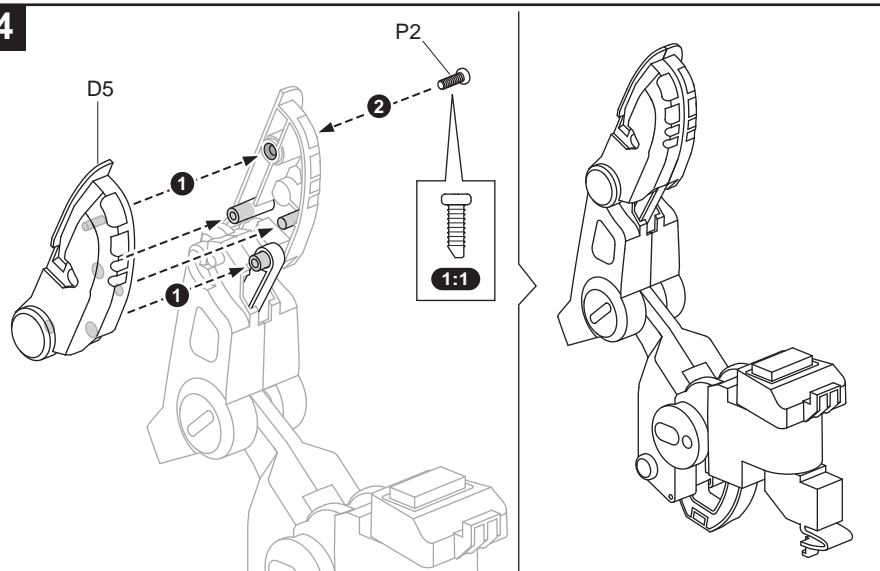
2



3

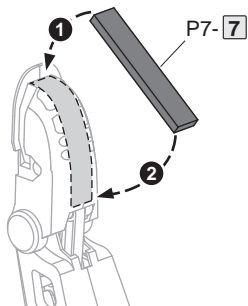
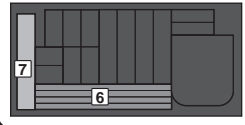


4



5

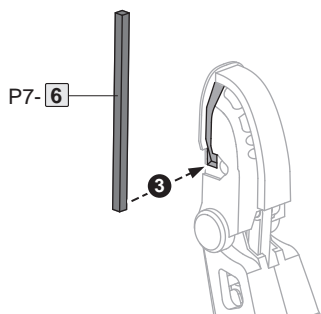
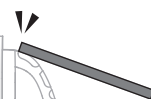
P7 泡棉貼 Sponge



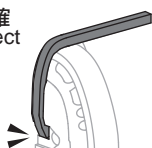
✓
正確
Correct



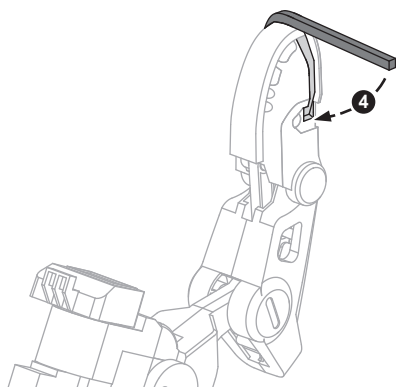
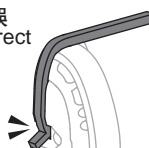
✗
錯誤
Incorrect



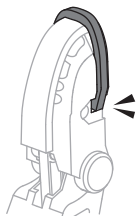
✓
正確
Correct



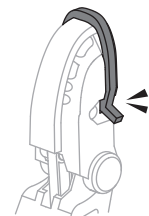
✗
錯誤
Incorrect



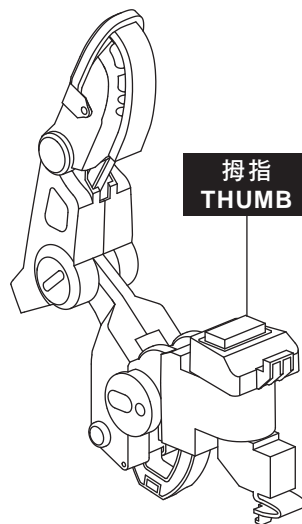
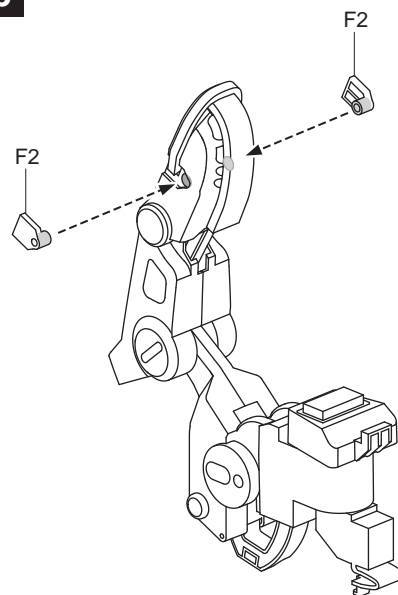
✓
正確
Correct



✗
錯誤
Incorrect



6

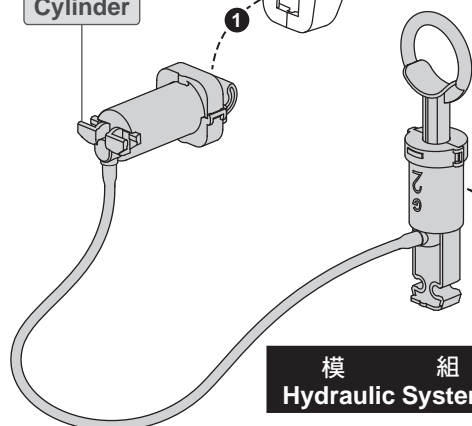


拇指
THUMB

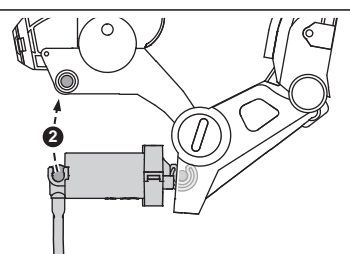
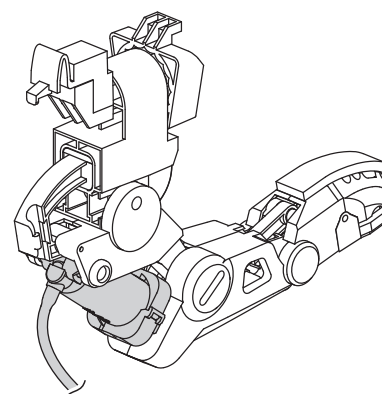
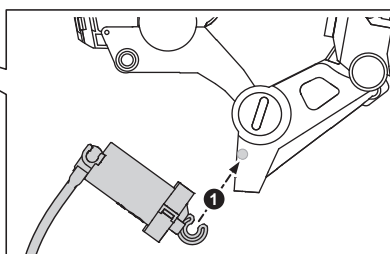
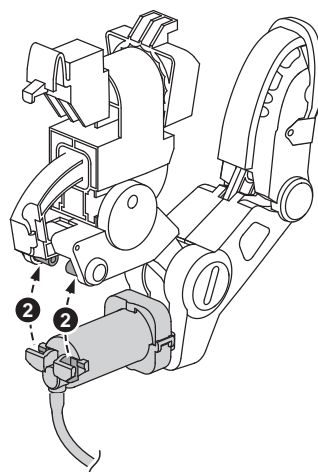
7

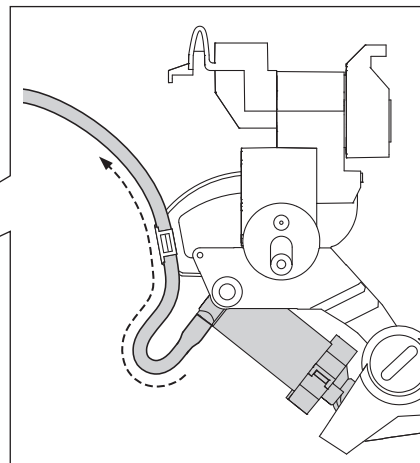
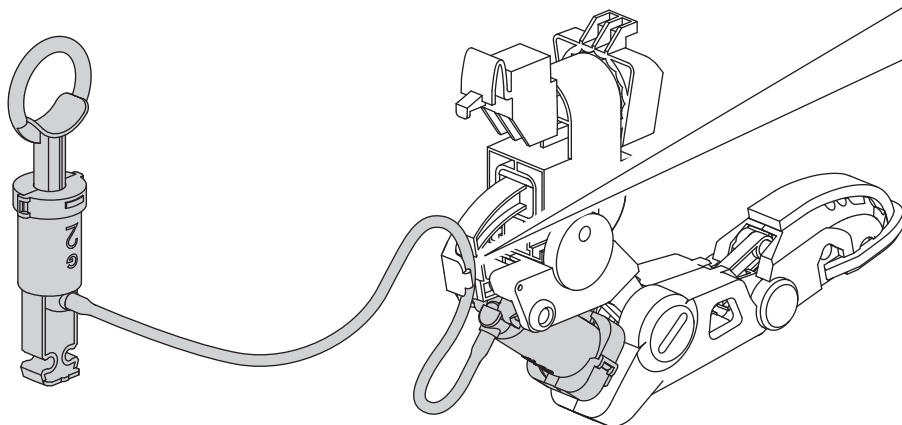
拇指
THUMB

G3
液壓筒
Cylinder



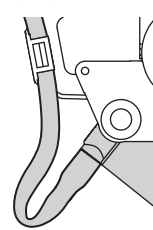
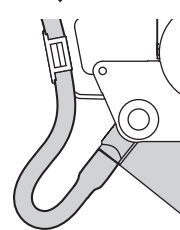
模 組
Hydraulic System B





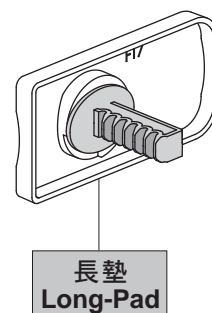
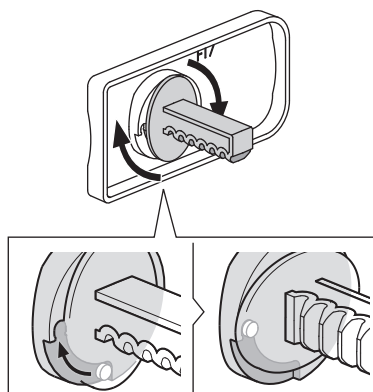
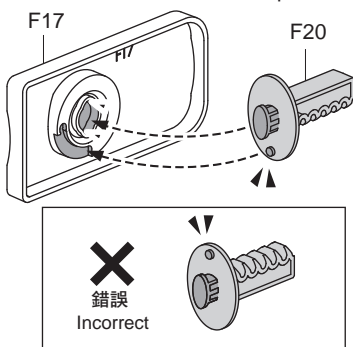
✓ 正確
Correct

✗ 錯誤
Incorrect



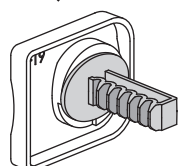
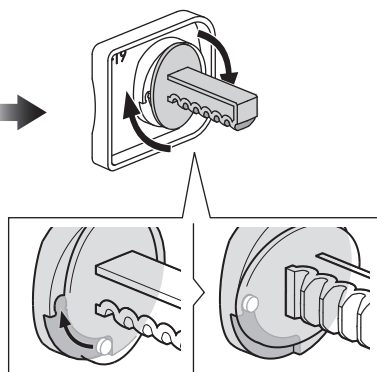
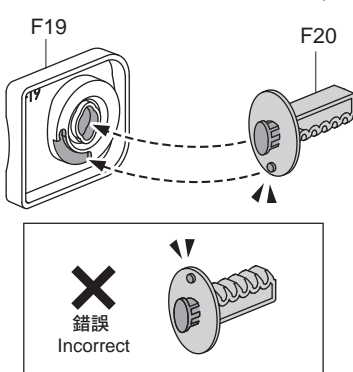
支撐墊(保護墊)組裝 Supporting Pads Assembly

1 注意: F20上下切勿顛倒
Notice: Do not turn F20 upside down



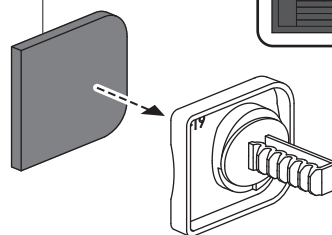
長墊
Long-Pad

2 注意: F20上下切勿顛倒
Notice: Do not turn F20 upside down

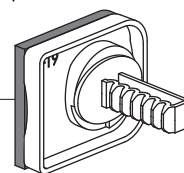


P7- 2

P7 泡棉貼 Sponge

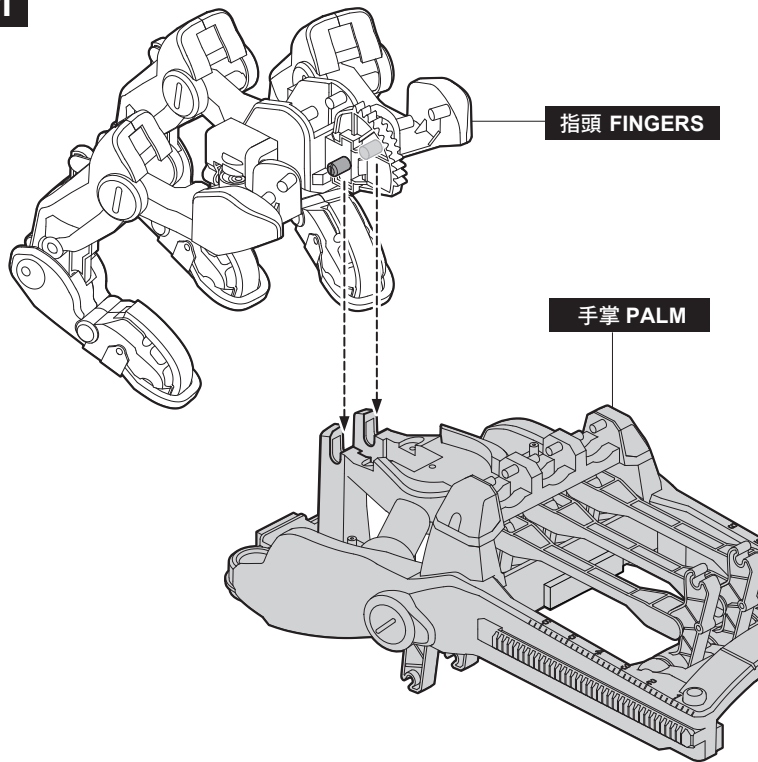


短墊
Short-Pad

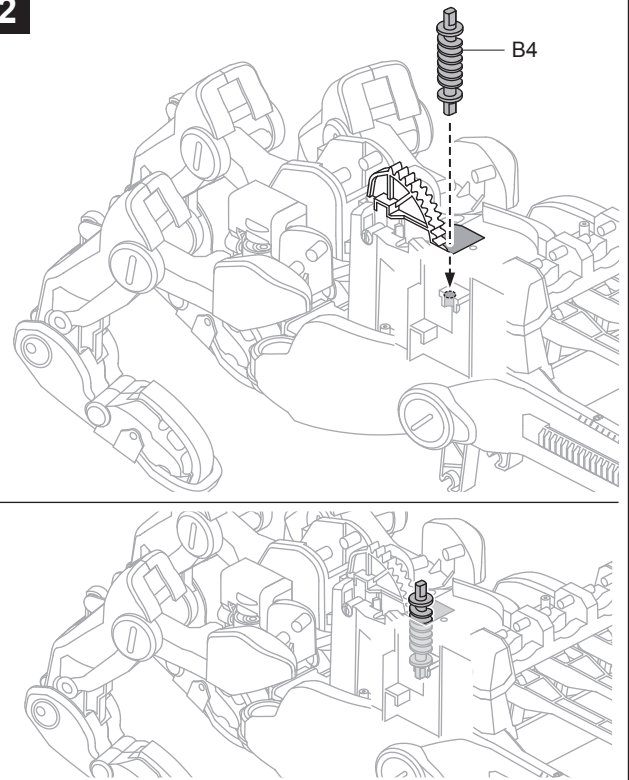


各部位合體組裝 Complete-unit Assembly

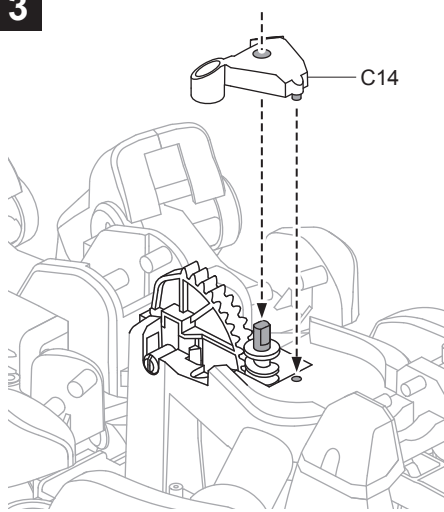
1



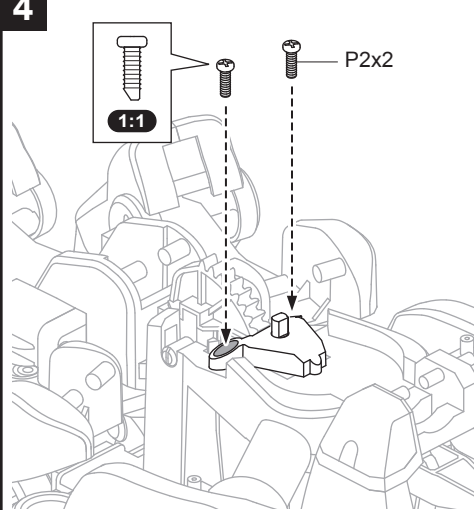
2



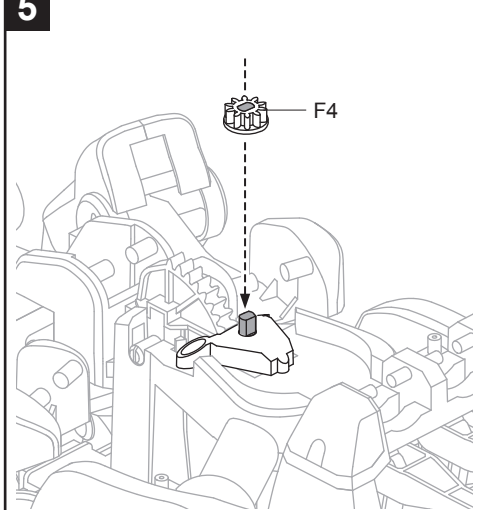
3



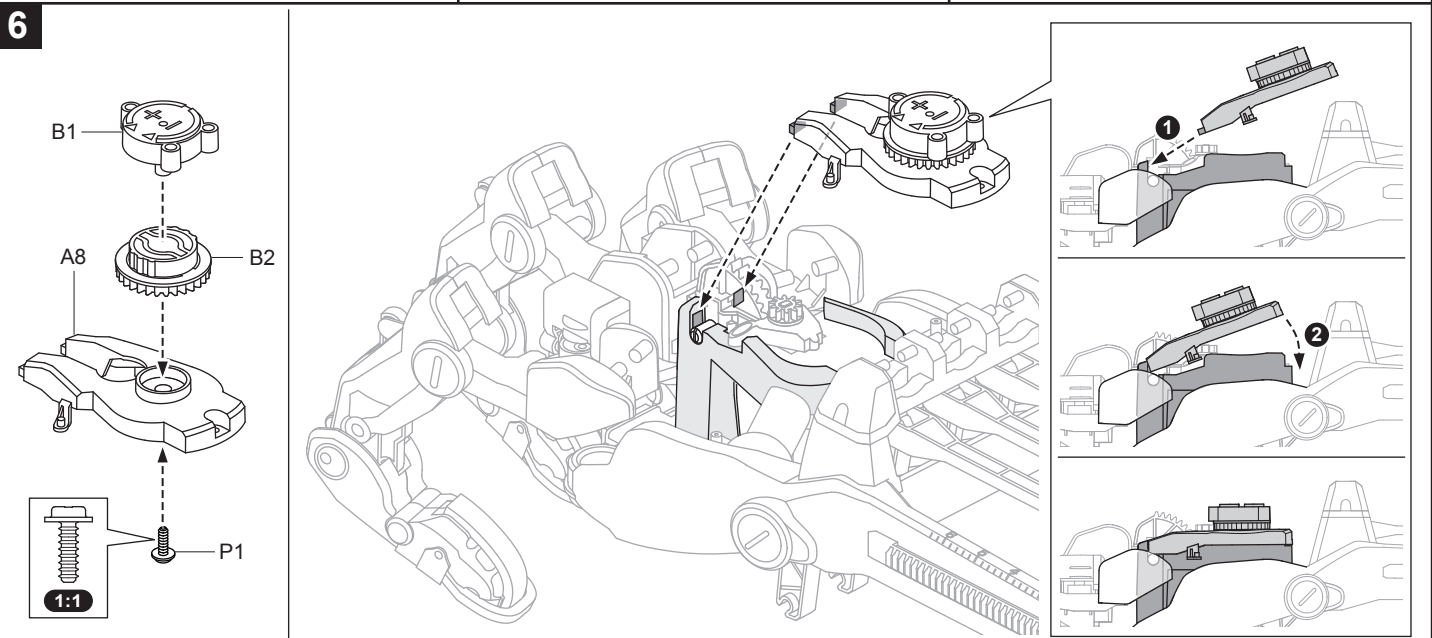
4



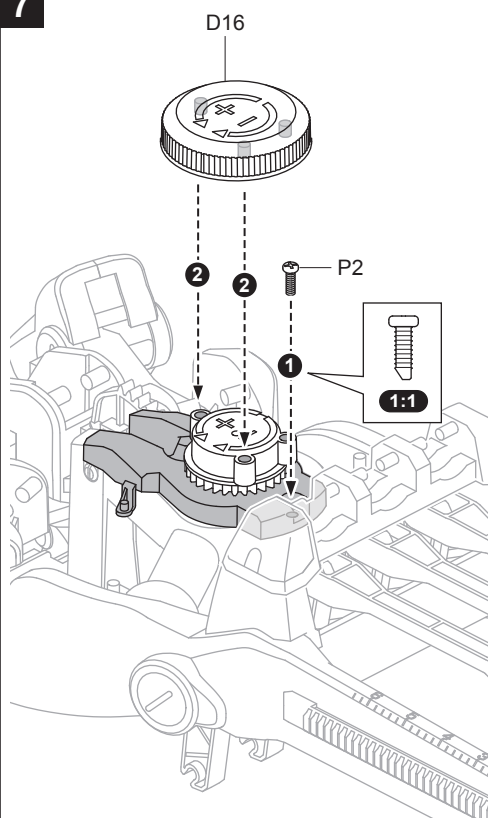
5



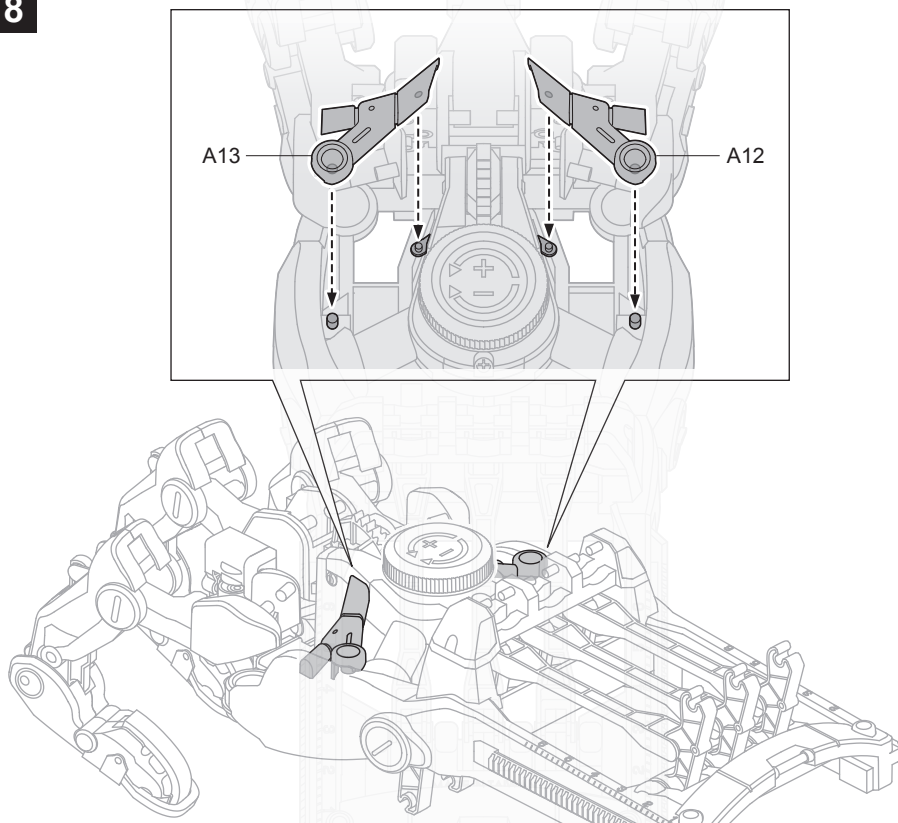
6



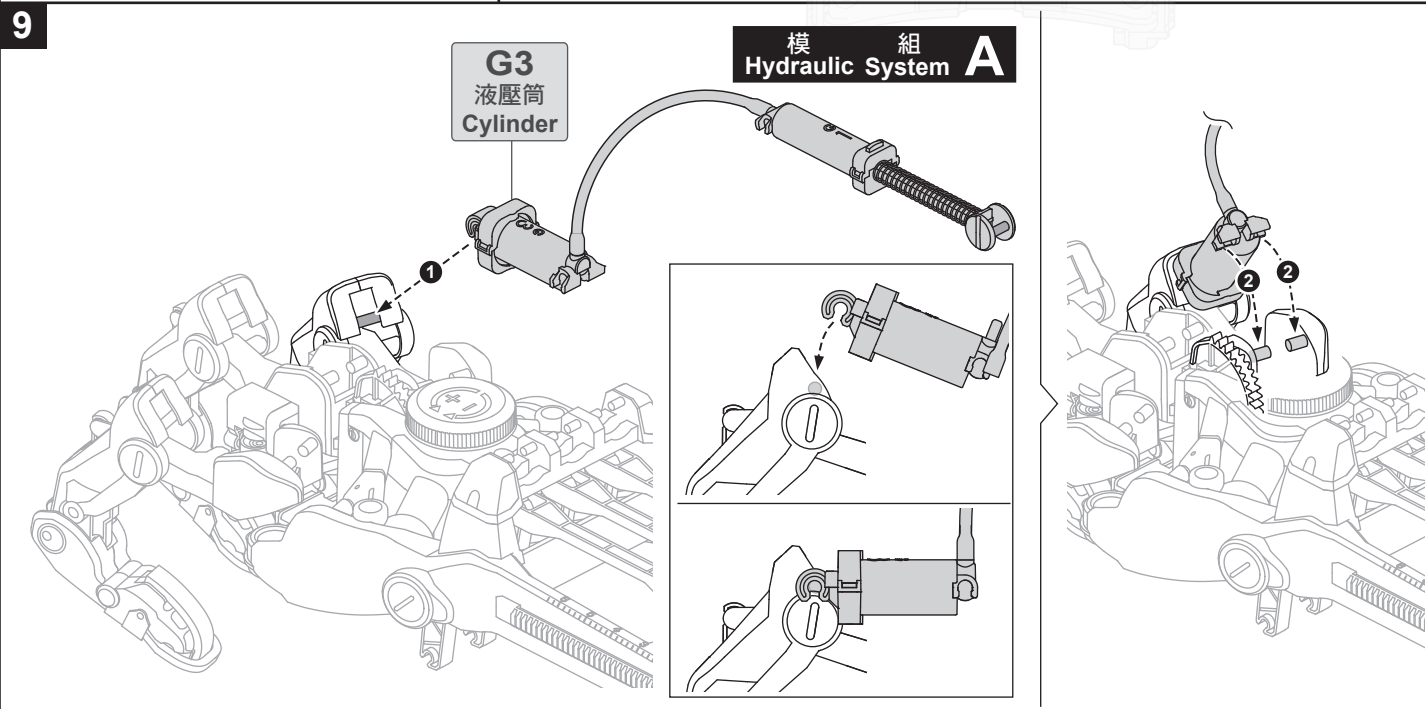
7



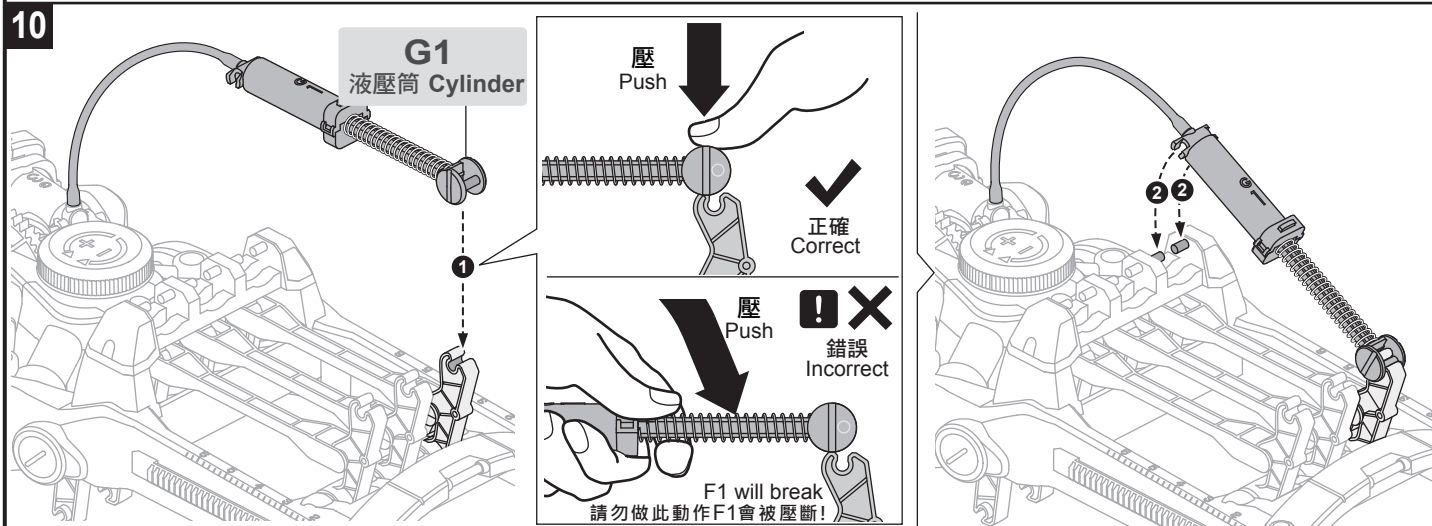
8



9



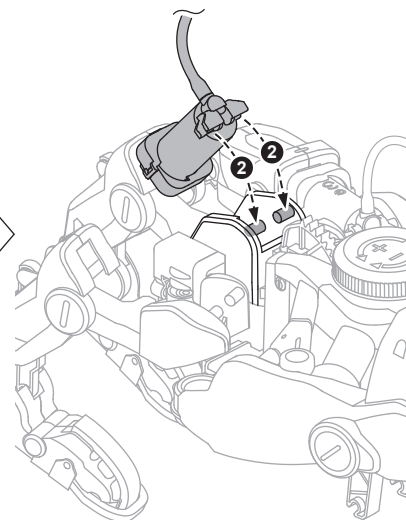
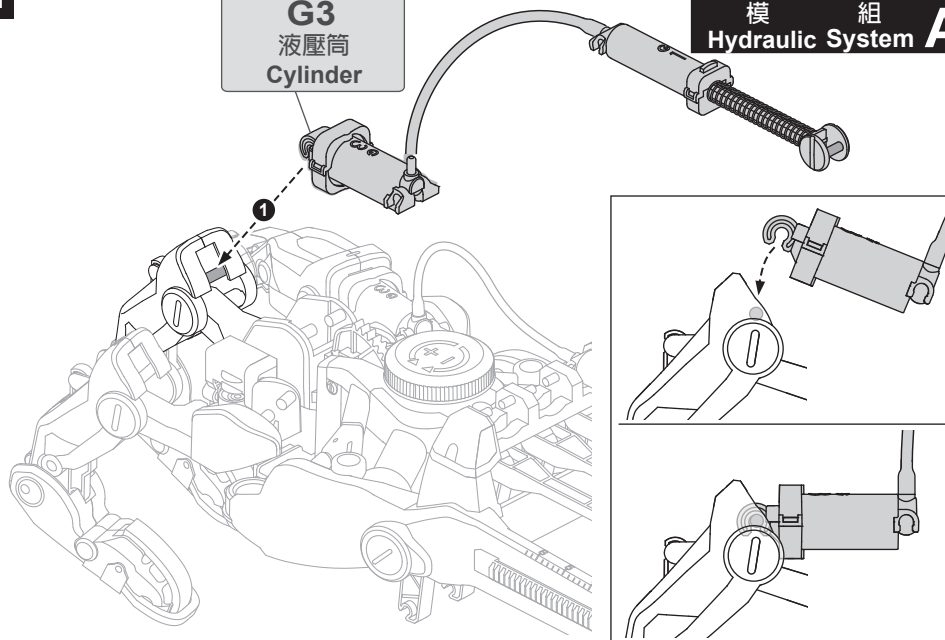
10



11

G3
液壓筒
Cylinder

模 組
Hydraulic System **A**



12

G1
液壓筒
Cylinder

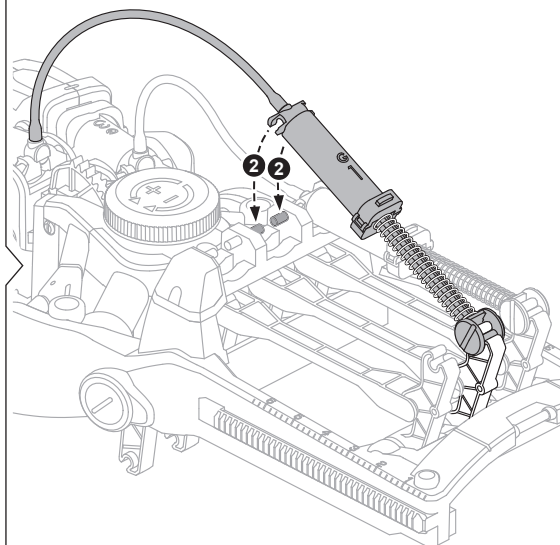
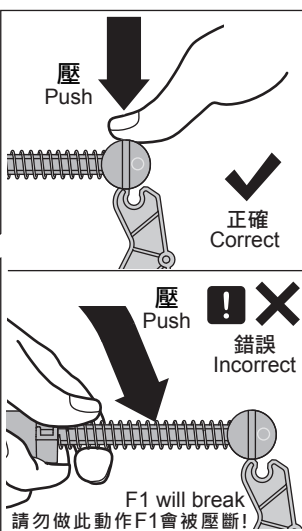
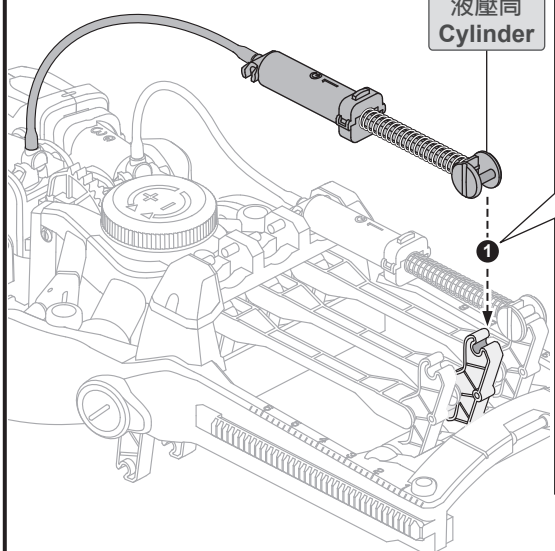
壓
Push

正確
Correct

壓
Push

錯誤
Incorrect

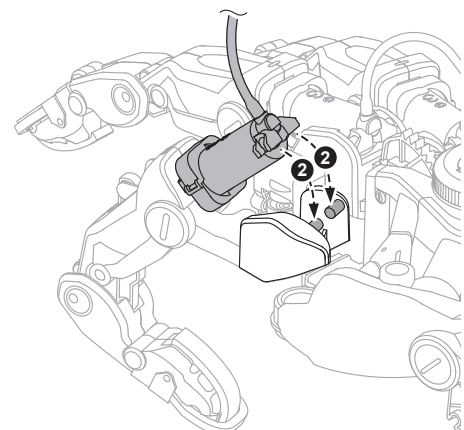
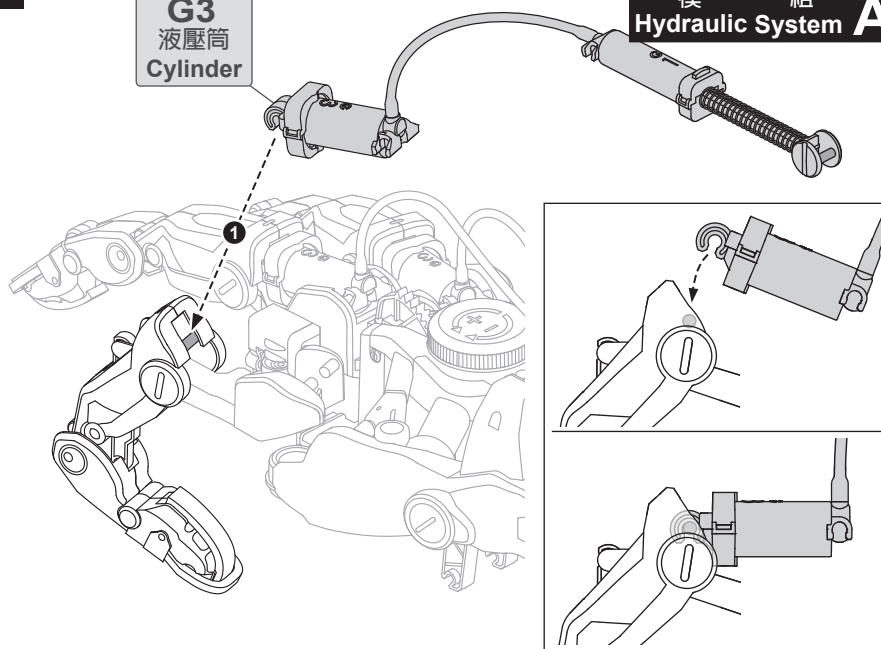
F1 will break
請勿做此動作 F1 會被壓斷!



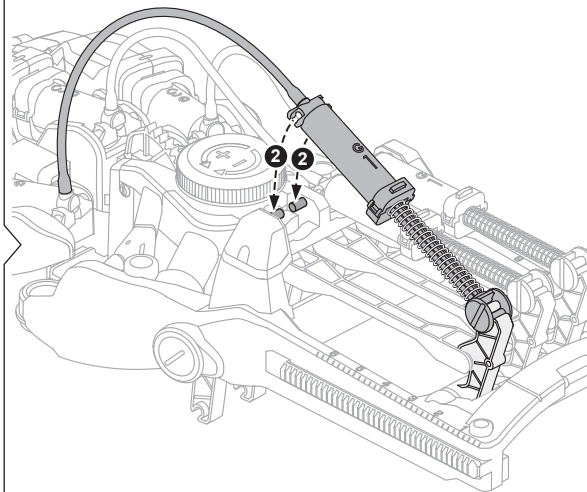
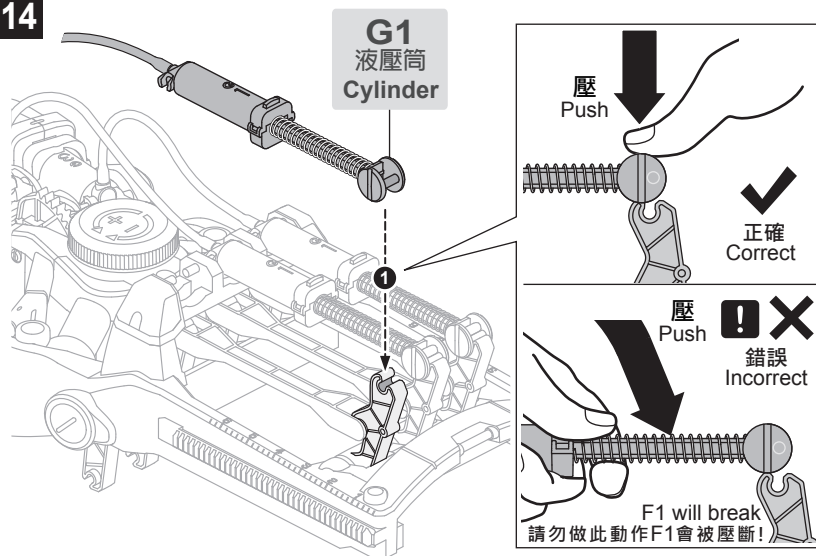
13

G3
液壓筒
Cylinder

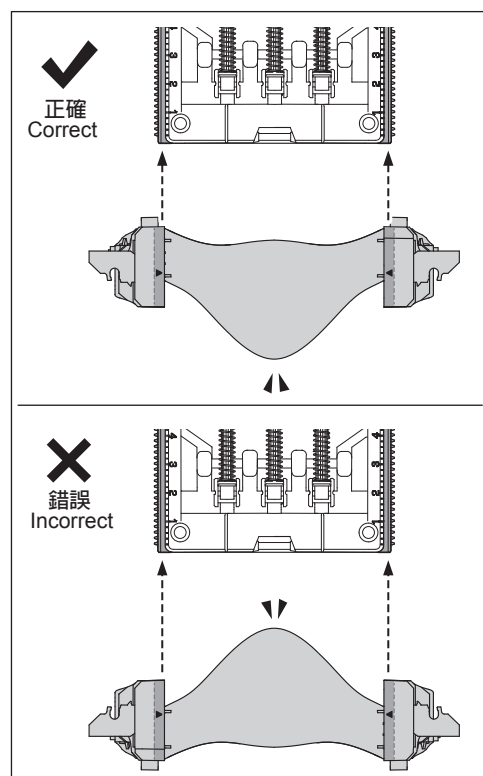
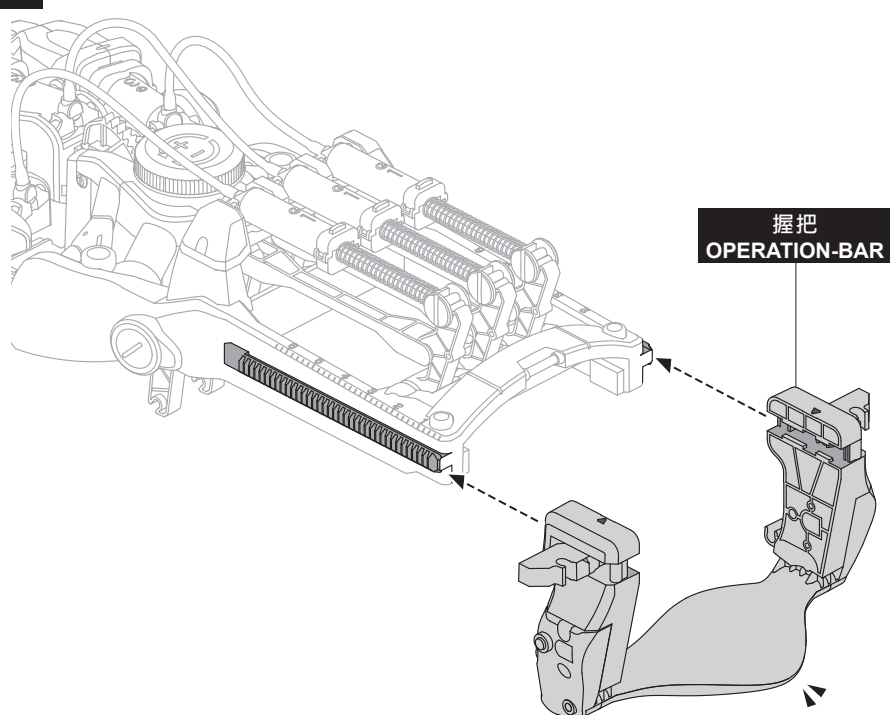
模 組
Hydraulic System **A**



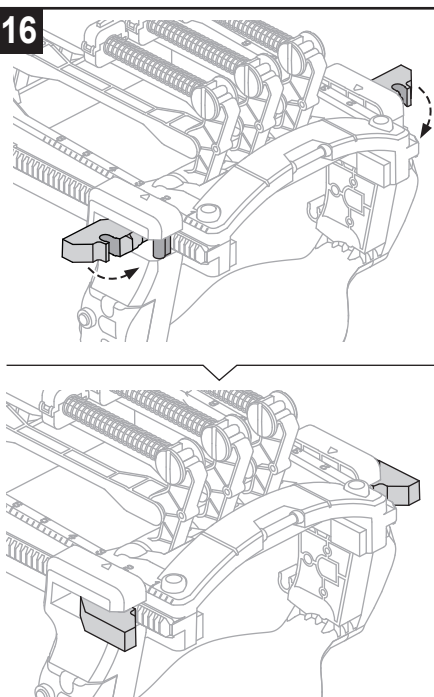
14



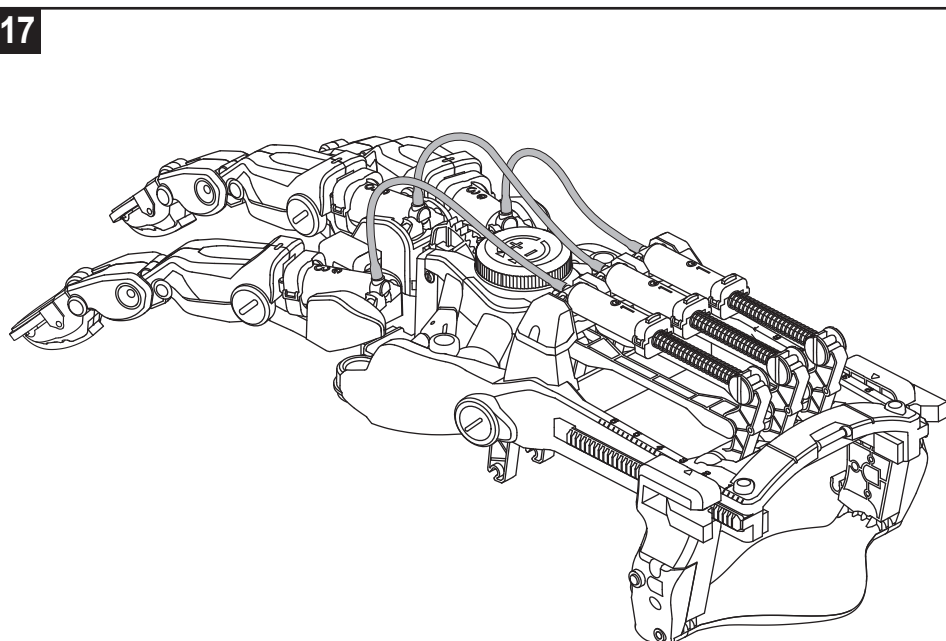
15



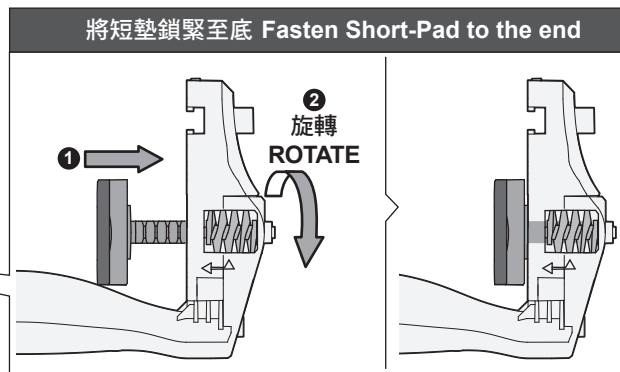
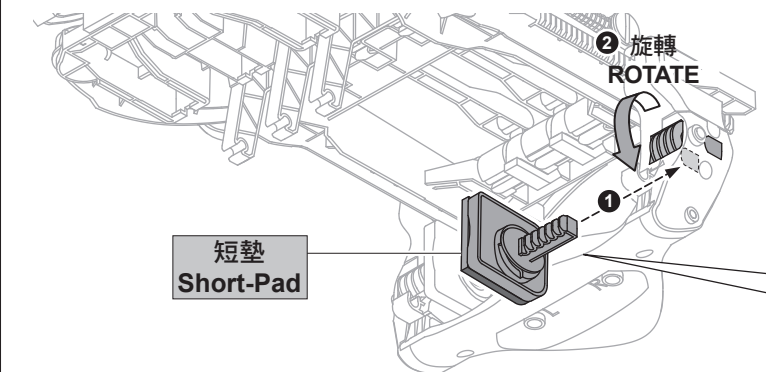
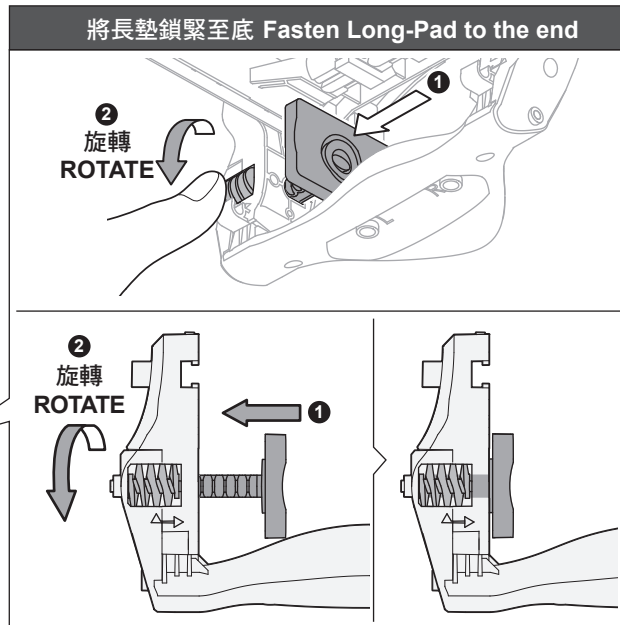
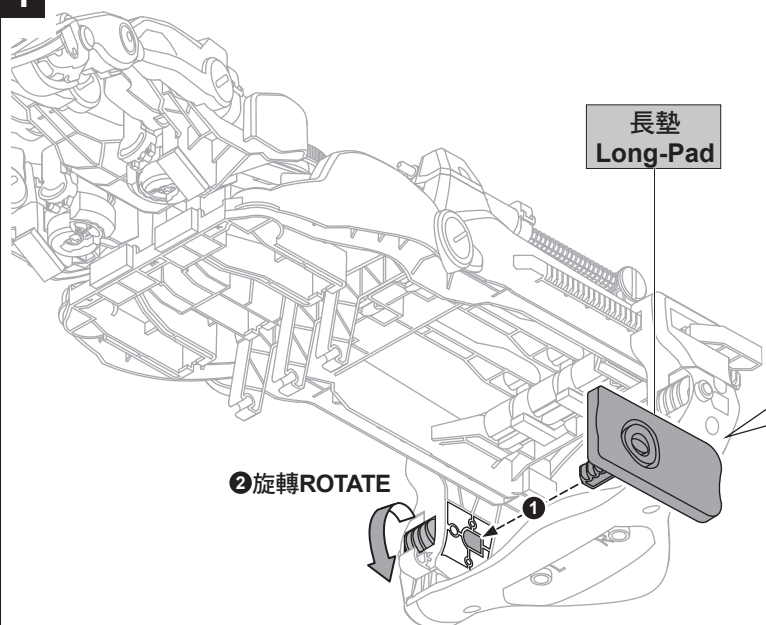
16



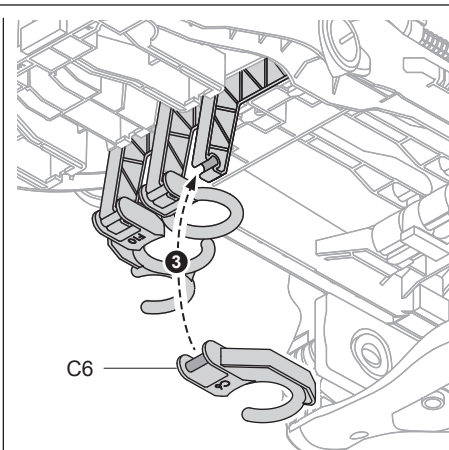
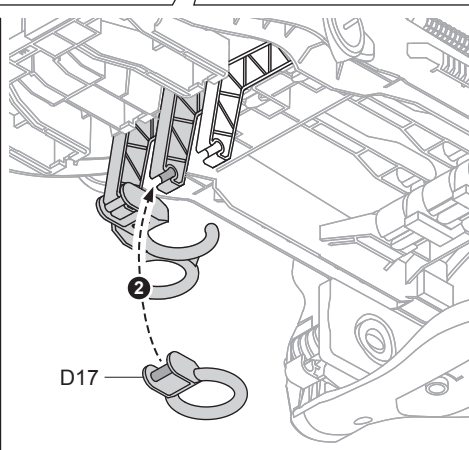
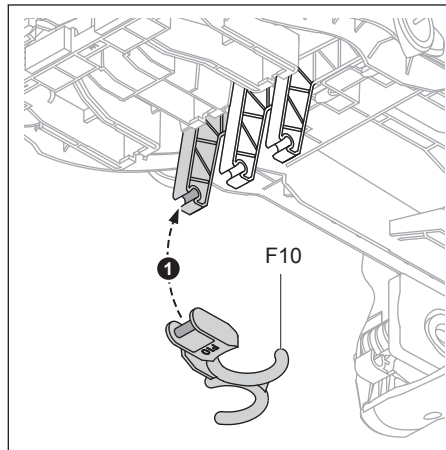
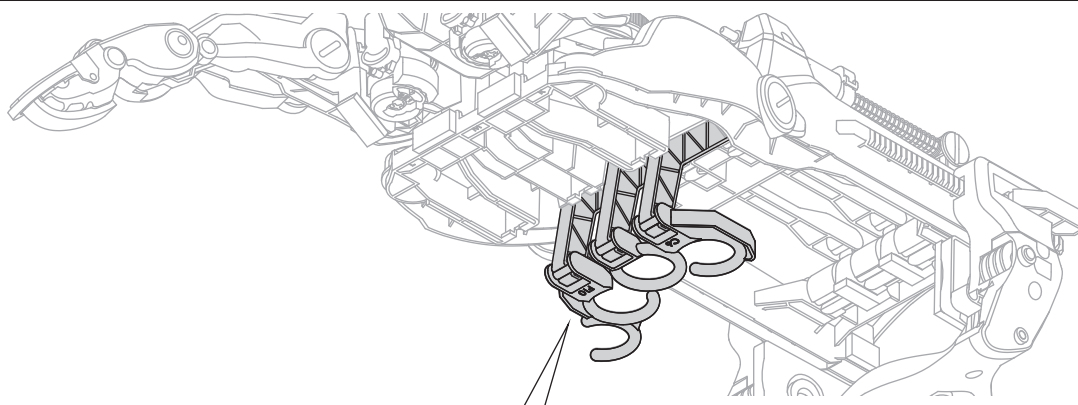
17



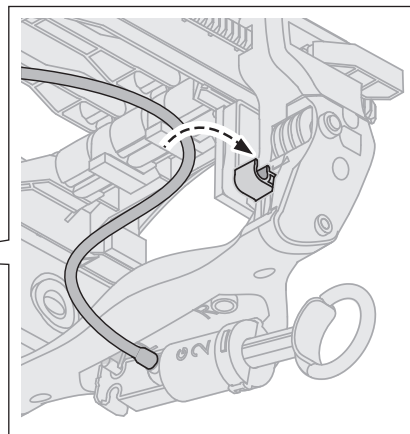
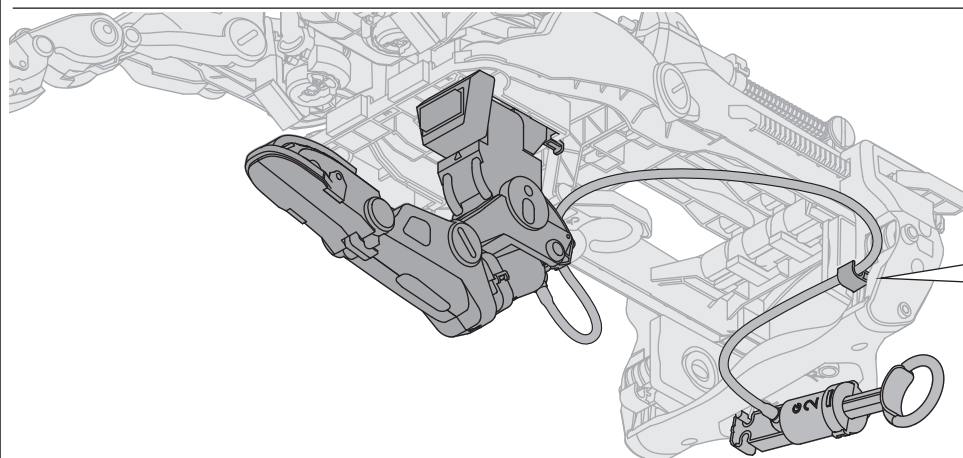
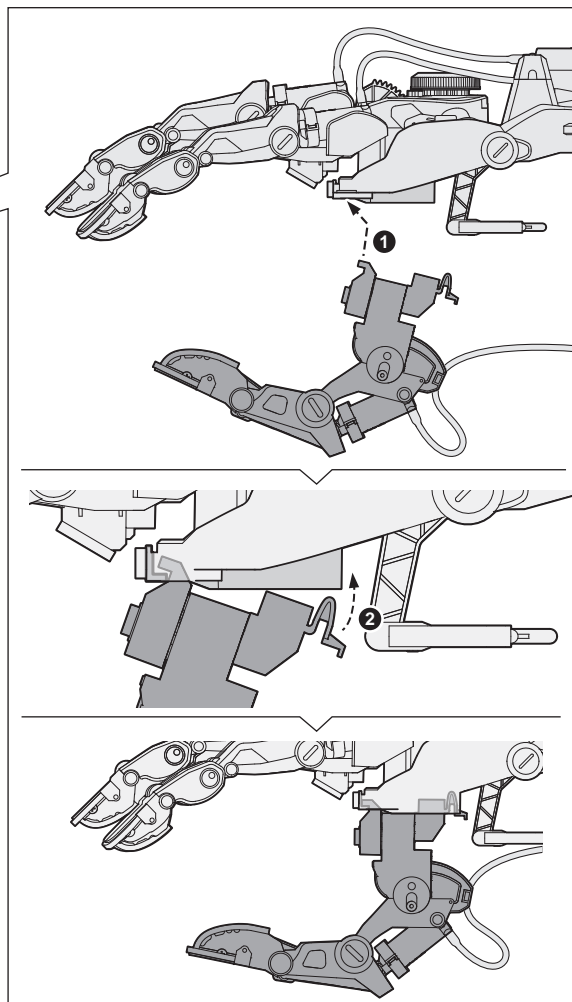
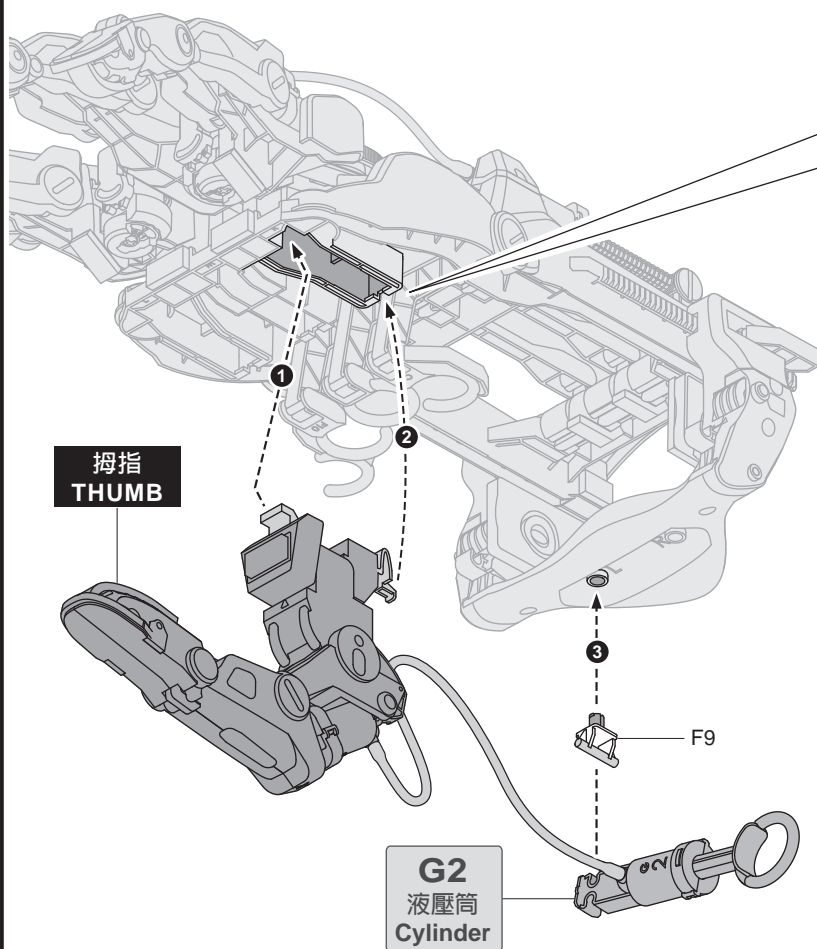
1



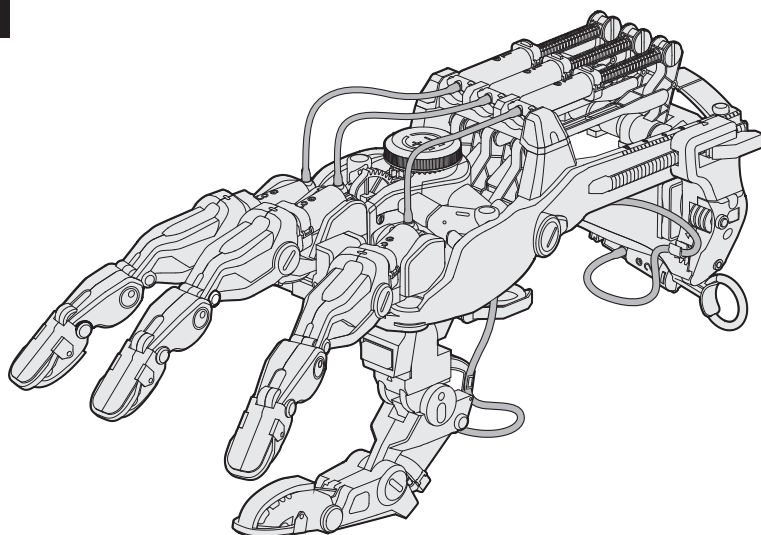
2



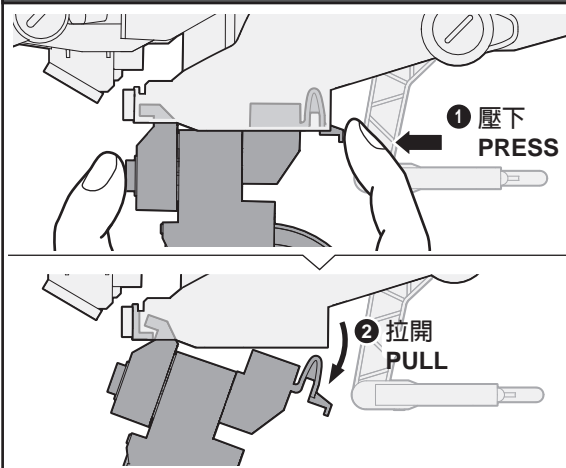
3



4

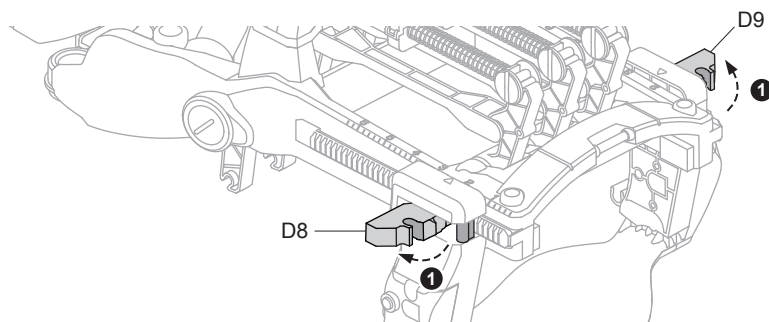


小技巧提醒:視實際需求依以下方法將拇指卸除
Tips- thumb disassembly in case of necessary.

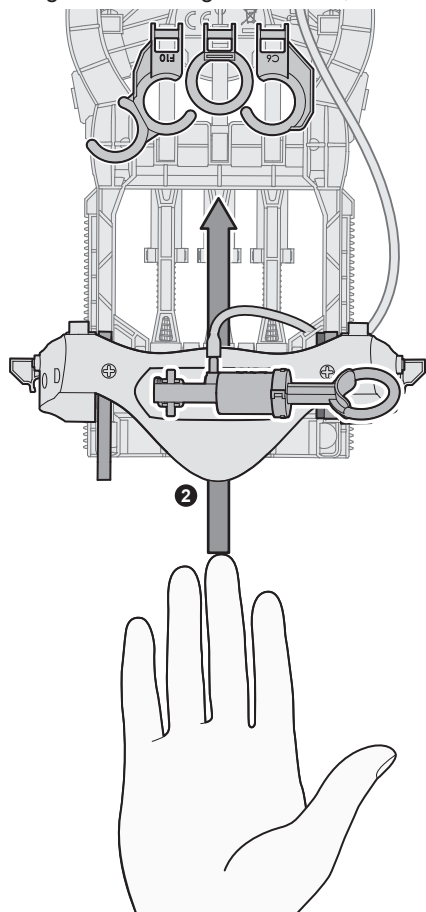


操作方式 How To Operate

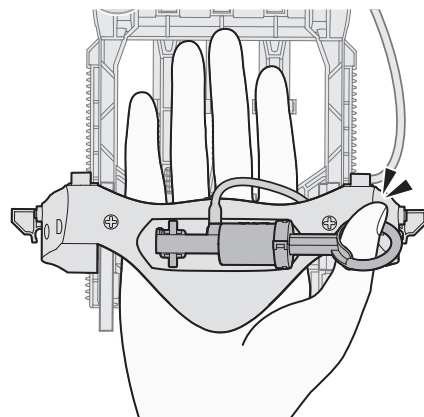
1 鬆開D8和D9 Unlock D8 & D9.



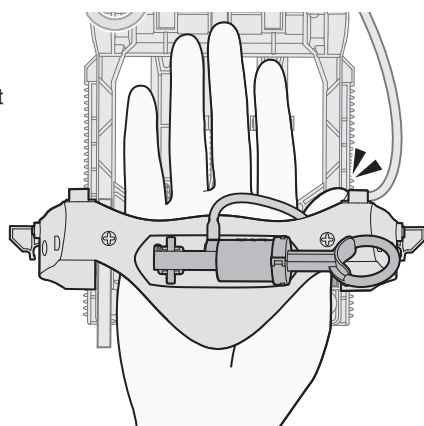
將右手戴上手套，並將拇指放於指示的鉤環上
Put your right hand through the device, fix the thumb to the hook.



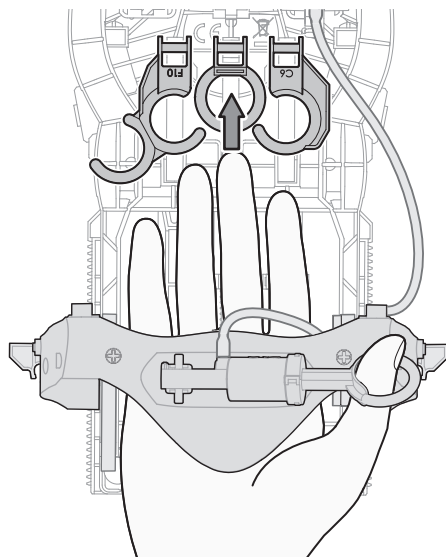
✓
正確
Correct



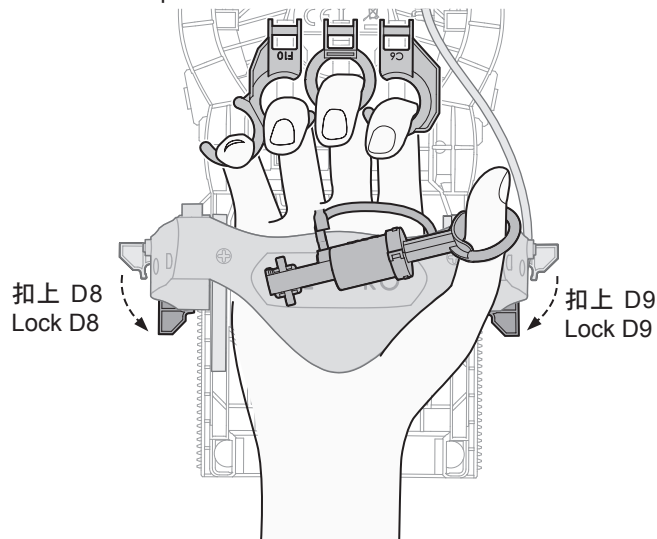
✗
錯誤
Incorrect



2 上下滑動握把以符合手指長度 Slide up or down the operation-bar to fit your fingers' lengths.

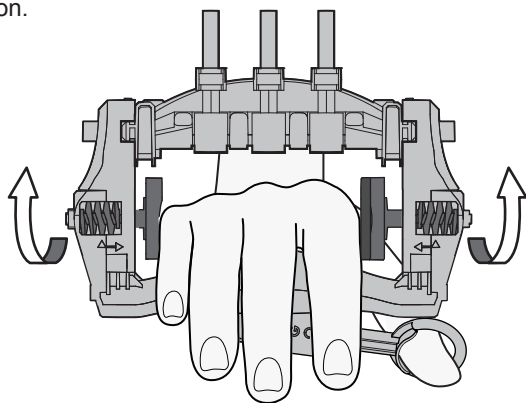


3 將手指扣在扣環上，並試著以指頭推拉，取得能夠順暢動作的位置 Have your fingers clasp the hooks, try a push/pull by your fingertips for smooth operation.

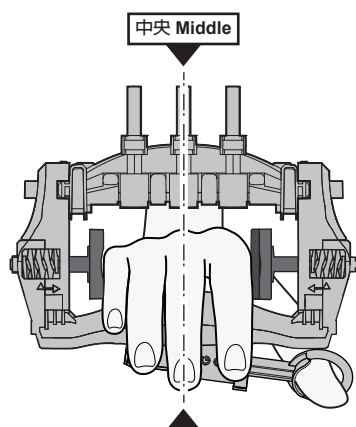


旋緊左右兩側的保護墊至適合寬度，以利手掌居中

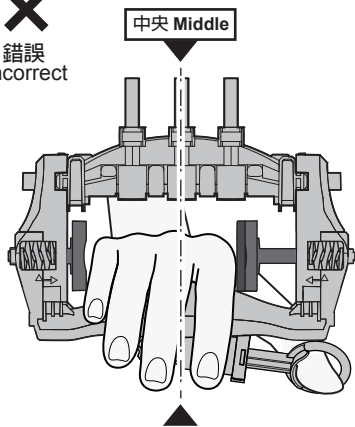
Adjust and fasten both supporting pads to fit your palm at a comfortable middle position.



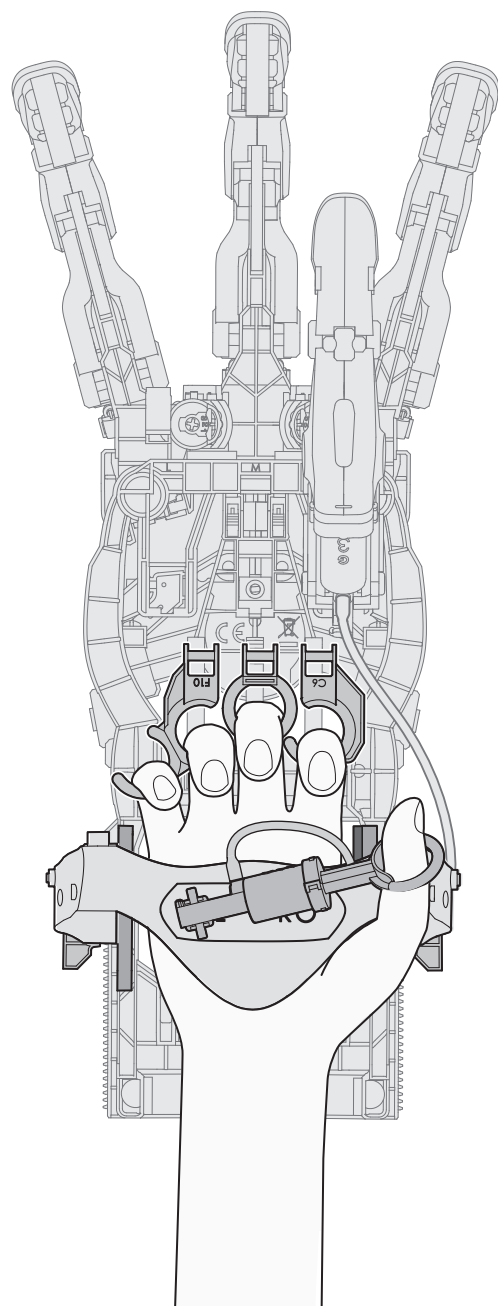
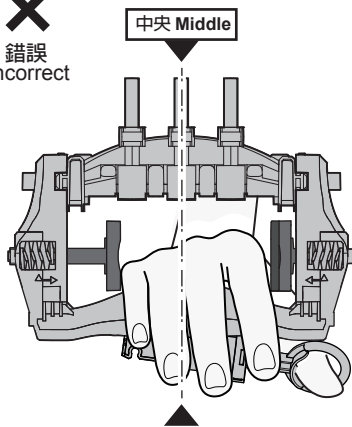
✓
正確
Correct



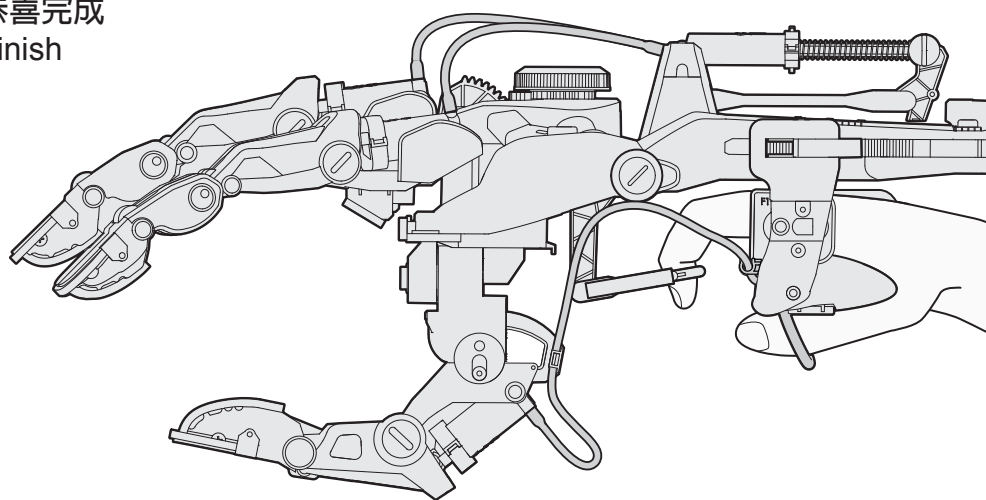
✗
錯誤
Incorrect



✗
錯誤
Incorrect

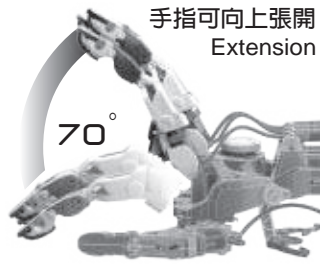
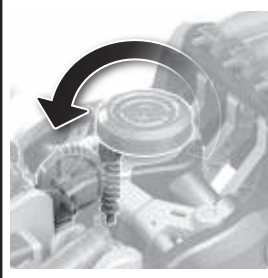


恭喜完成
Finish

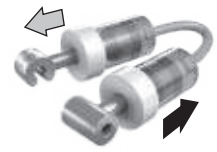


特點說明 Product Features

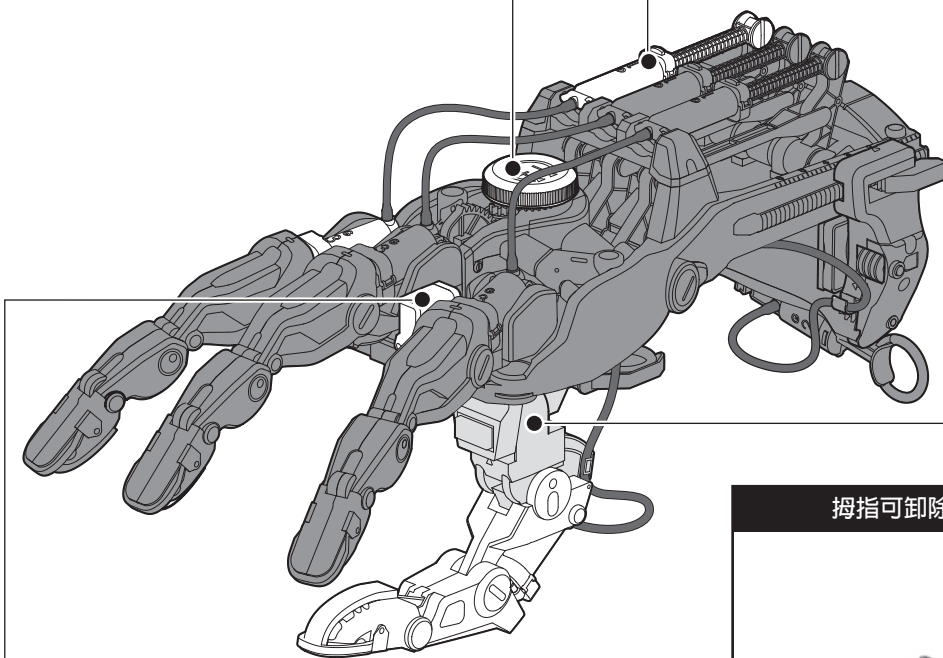
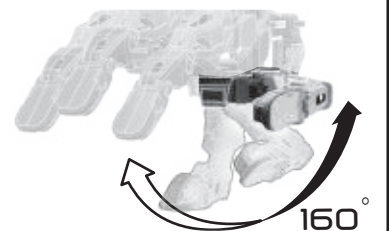
調整旋鈕 Rotary Knob



液壓系統 Hydraulic System



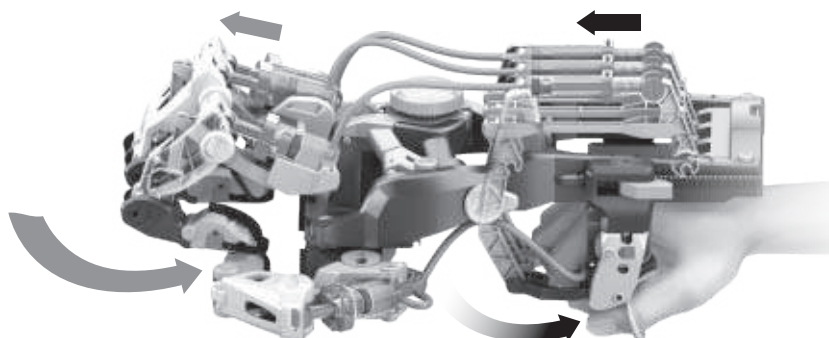
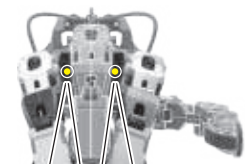
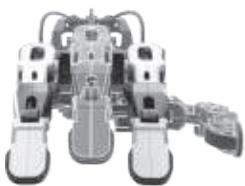
拇指角度可調整 Adjustable Thumb



拇指可卸除/變更位置 Detachable Thumb



指頭關節角度可調整 Adjustable Finger Joints



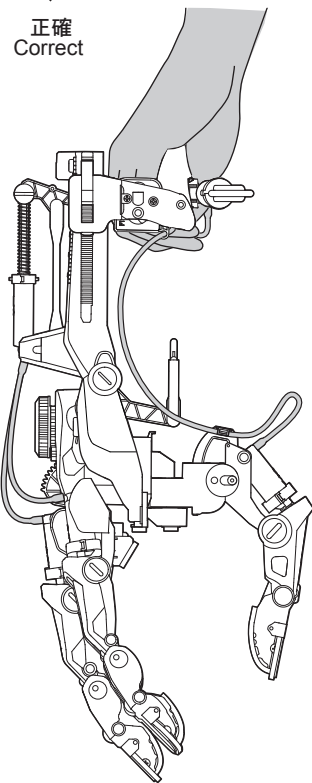


注意事項 Warning

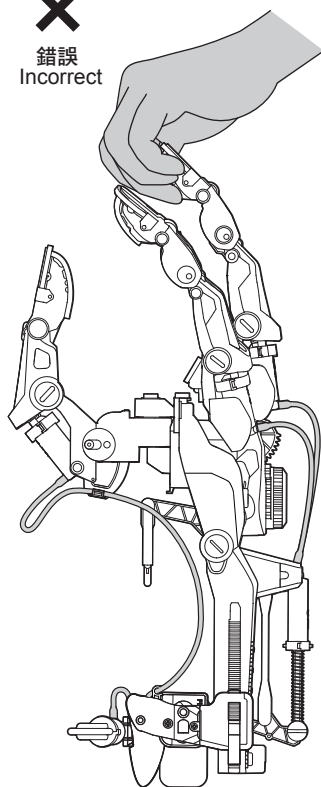
1. 輕拿輕放，請勿以如下錯誤方式拿取液壓手套

Handle the Cyborg hand with care and do not mistreat as shown below.

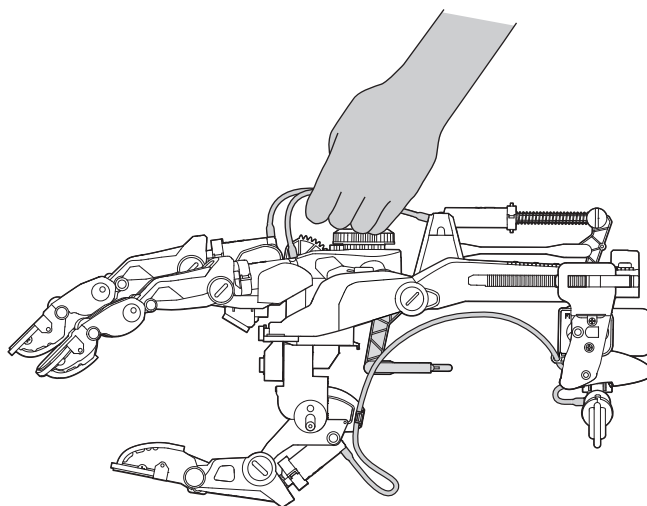
✓
正確
Correct



✗
錯誤
Incorrect

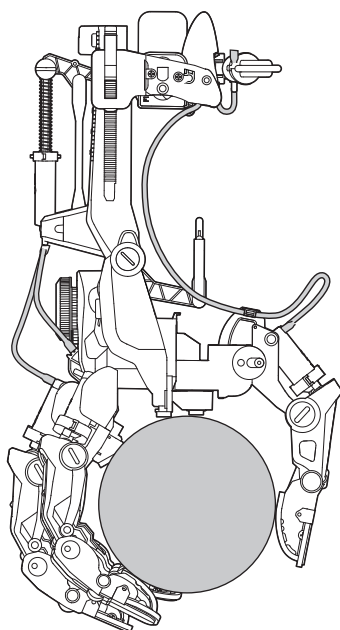


✗
錯誤
Incorrect



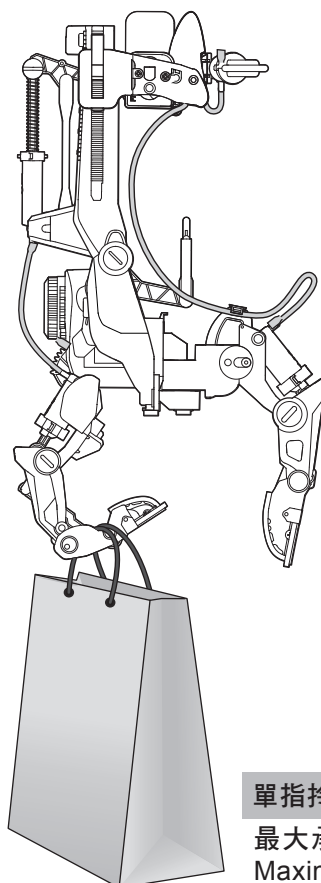
2. 請勿拿取過重的物品

Do not grip or lift objects that exceed the maximum weight limits shown below.



抓取Gripping

最大承重重量
Maximum Lift **600g**



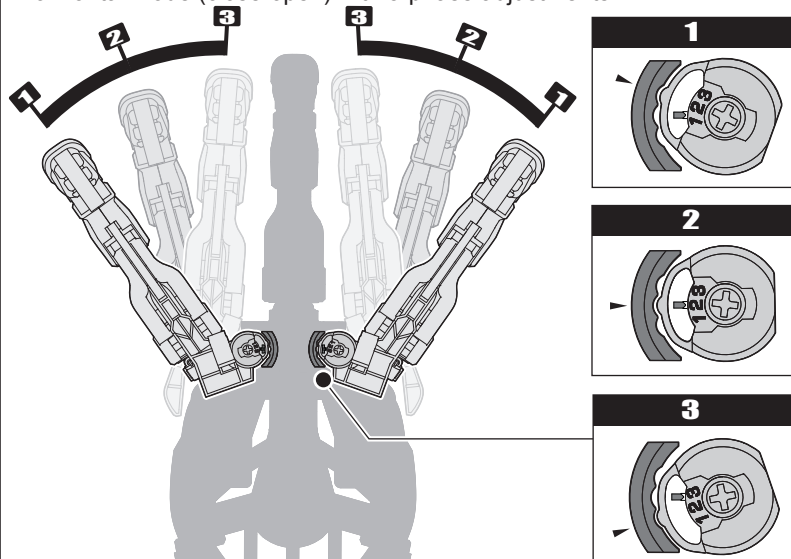
單指拎提Single Finger

最大承重重量
Maximum Lift **60 g**

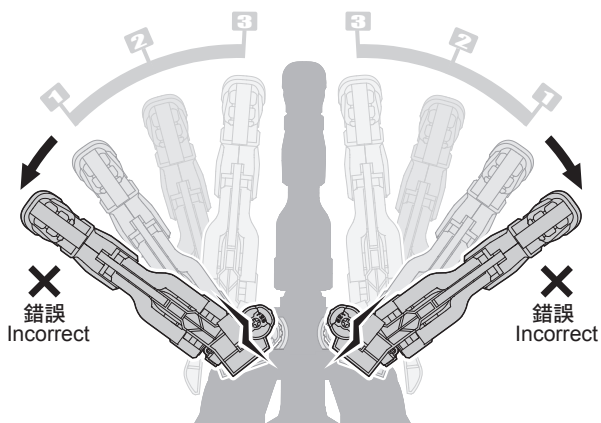
3. 小心調整指手指角度 Gently adjust finger joints.

3種水平角度可調整(開-合)

Horizontal Mode (close-open) with 3-phase adjustments.

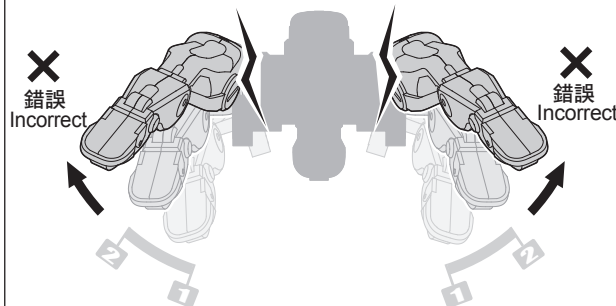
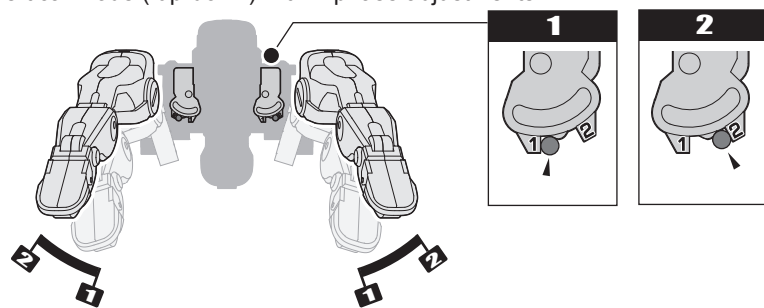


切勿過度延伸、張開關節角度，以免造成損壞
Do not bend the joints over the limited phasing/angle, it might cause the fingers broken.



2種垂直角度可調整(上-下)

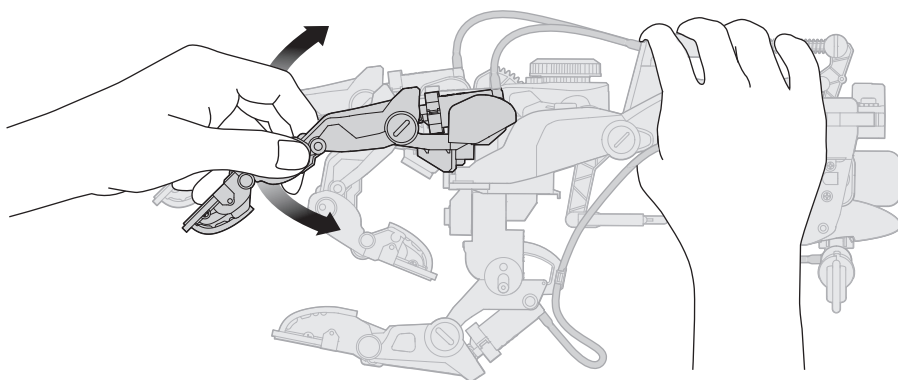
Vertical Mode (up-down) with 2-phase adjustments.



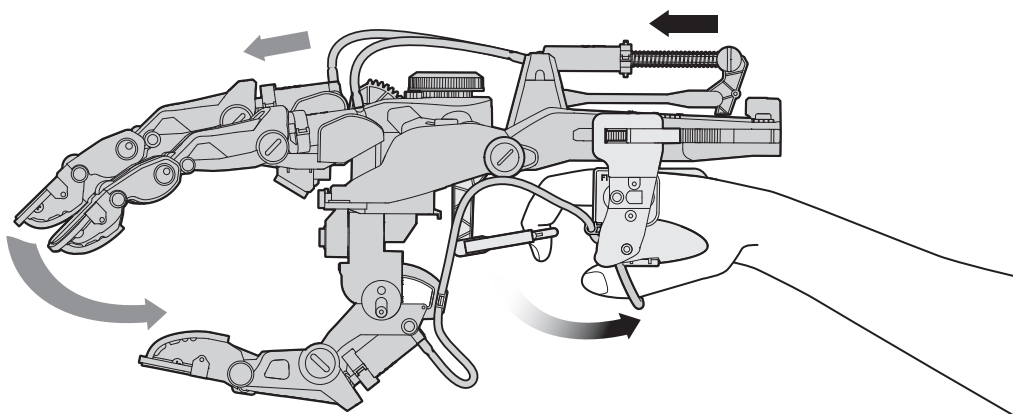
4. 組裝完成後，請勿扳動指節關節，任何不當的操作(如拉扯、彎折、扭曲)將造成軟管鬆脫或漏水
Take good care of all the finger joints. Any improper movements (pull, bend, twist...) might cause the tubes to slip or water to leak.



錯誤
Incorrect



正確
Correct

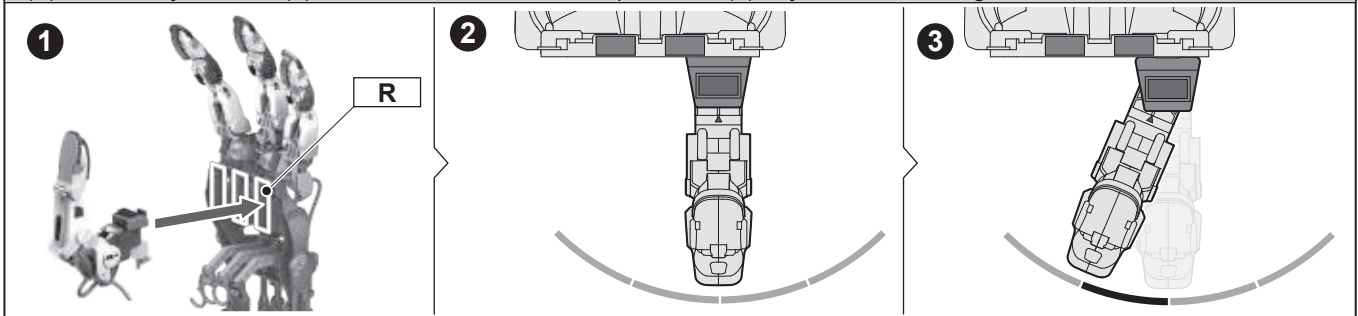


操作技巧 Exercises/and Tips (for Right-hand users)

範例 1 Example 1 拿取小東西 Grip the tiny items

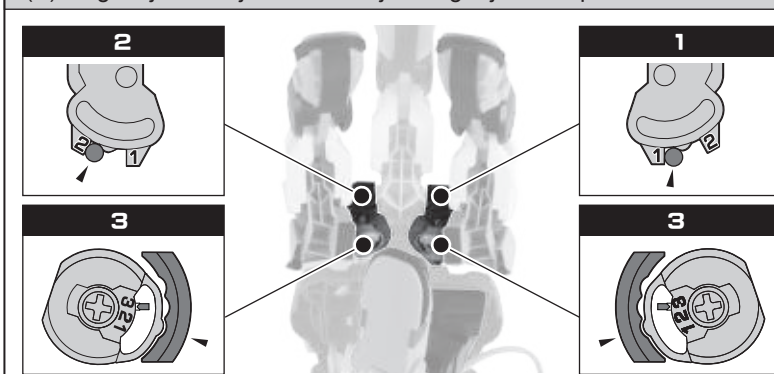
(A) 拇指調整：(1) 將拇指放入“R”位 (2) 如下所示調整拇指位置

(A) Thumb adjustment: (1) Insert “Thumb” at the “R” position. (2) Adjust “Thumb” angle as shown below.



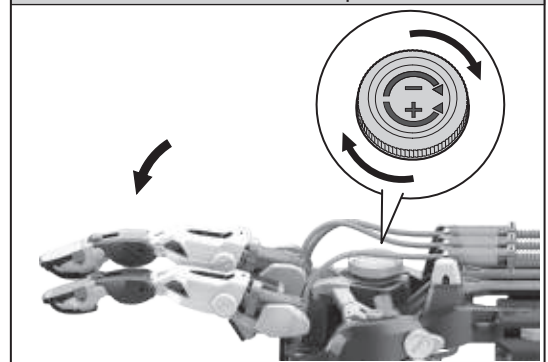
(B) 指關節調整：如下調整指頭關節

(B) Fingers joints adjustment: Adjust finger joints to positions below.



(C) 順時針旋轉旋鈕將手指降到最低的位置

(C) Turn the knob clockwise to make the fingers move down to the lowest position.



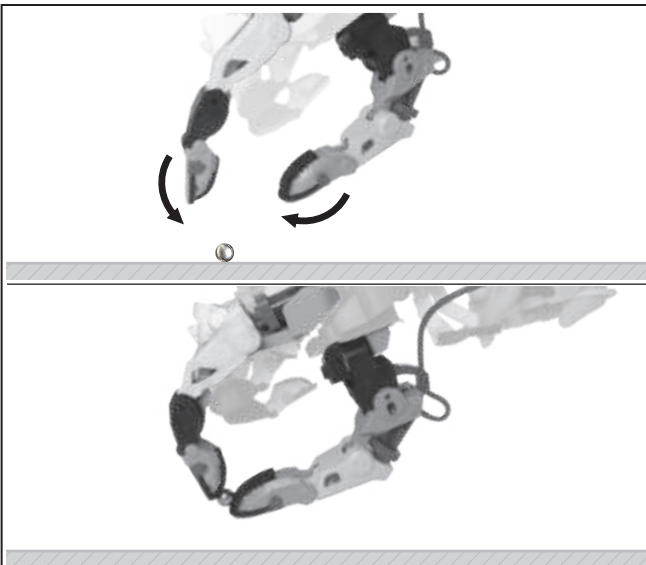
(D) 握起中指與無名指

(D) Moving middle and the ring fingers.



拿取 Gripping

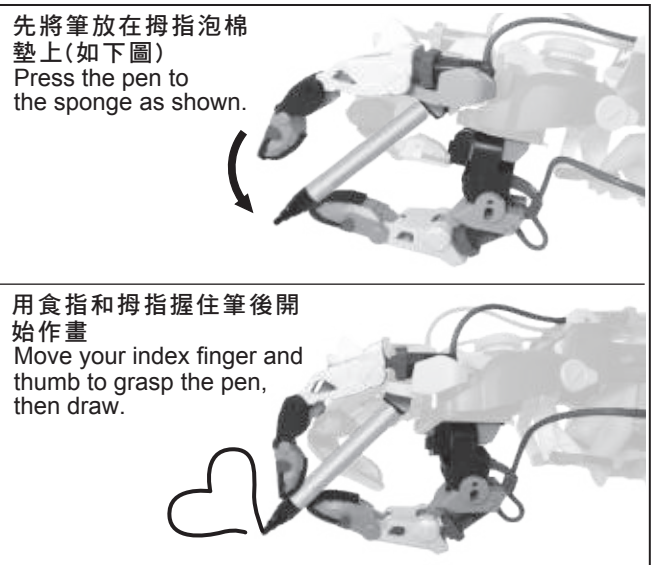
使用食指與大拇指做拿取動作
Using the index finger and thumb



繪圖 Doodling

先將筆放在拇指泡棉墊上(如下圖)
Press the pen to the sponge as shown.

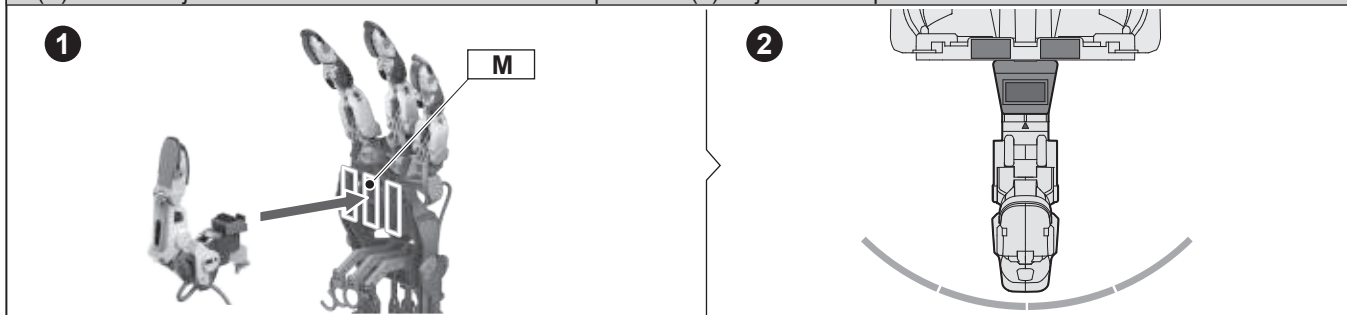
用食指和拇指握住筆後開始作畫
Move your index finger and thumb to grasp the pen, then draw.



範例2 Example 2 拿取體積較大物品 Grip the big objects

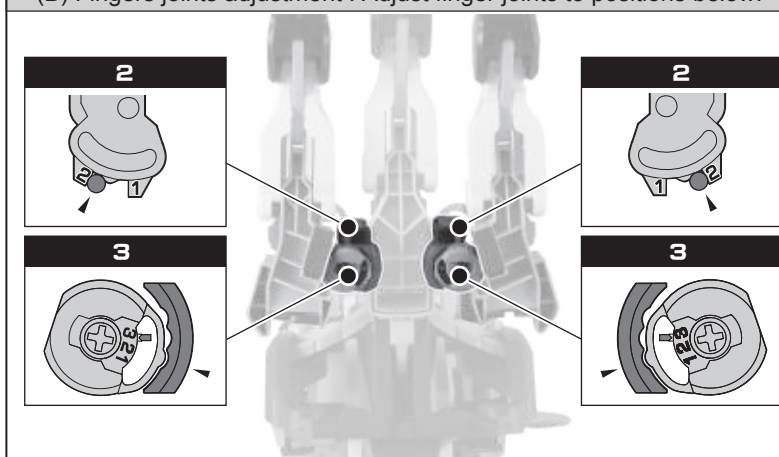
(A) 拇指調整：(1) 將拇指放入“M”位 (2) 如下所示調整拇指位置

(A) Thumb adjustment: Insert “Thumb” at the “M” position. (2) Adjust thumb position as below illustrated.



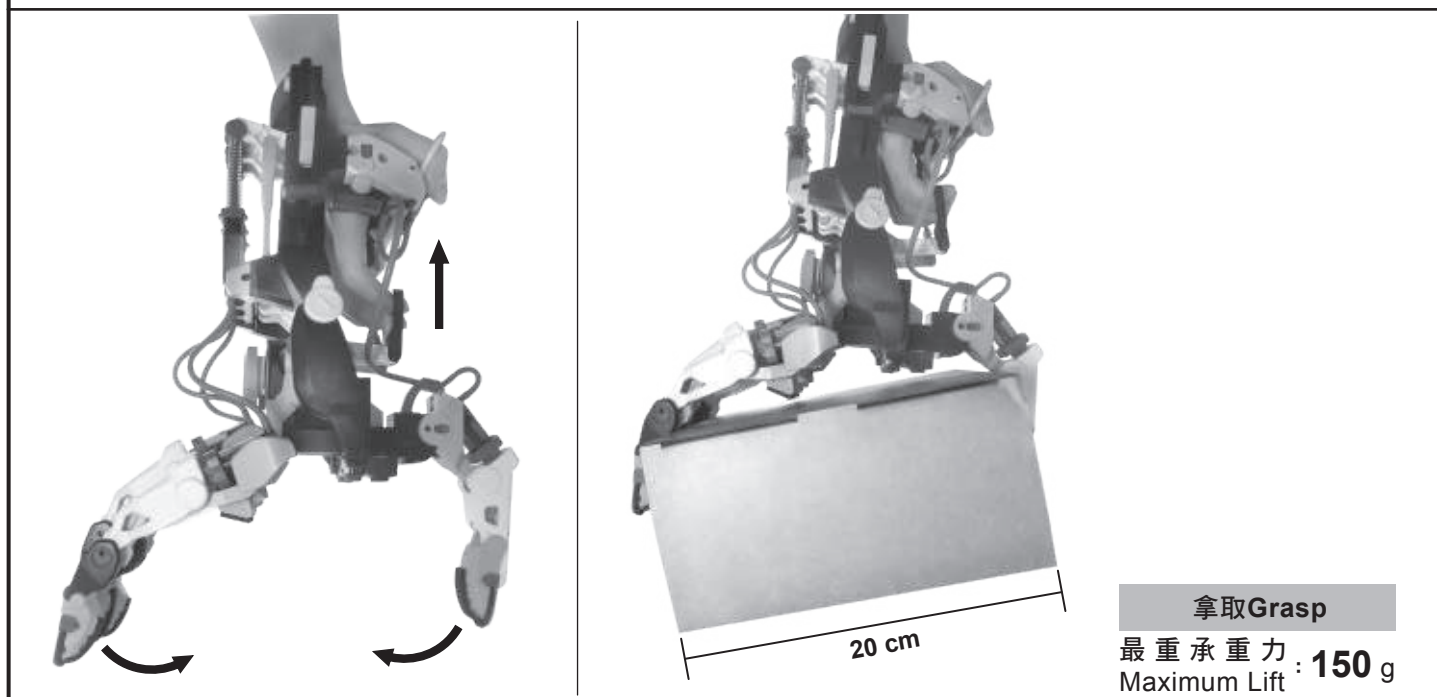
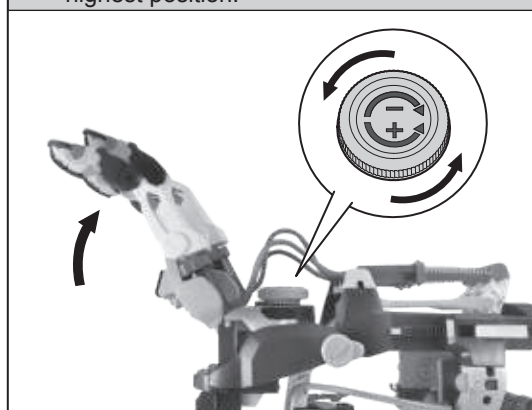
(B) 指關節調整：如下調整指頭關節

(B) Fingers joints adjustment: Adjust finger joints to positions below.



(C) 逆時針旋轉旋鈕將手指抬到最高的位置

(C) Turn the knob in a counterclockwise (+) direction to make the fingers lift up to the highest position.



發揮你的想像力加上反覆練習，讓液壓手套變成無限手套，做出更多不同動作！

More than examples featured above, now using your imagination, having some fun exercising and challenging your own cyborg hand with multi-functional movements like Gripping, grasping, pinching and doodling... etc. as you can.



簡易故障排除 Trouble Shooting

A

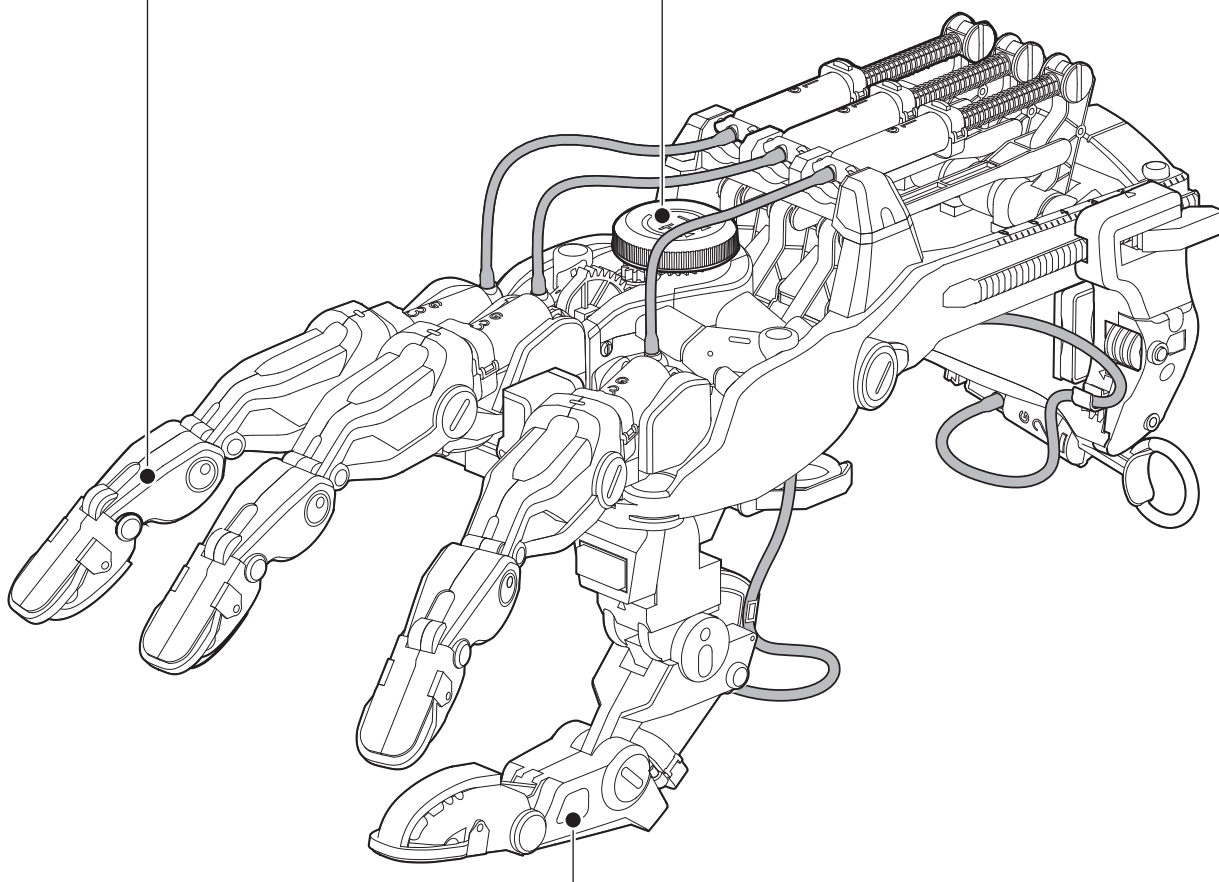
如果手指頭操作不順暢，請跟著以下步驟進行確認 If the fingers do not work properly, check the following steps.

1. 請確認G1液壓筒裡是否有多餘的空氣。如有，請依照34頁的步驟確認安裝
Check if there is excess air inside the Cylinder G1. In this case, please go to page 34 and follow the steps accordingly.
2. 請確認所有液壓筒是否安裝正確(請參考12~13頁步驟)
Check if the cylinders are installed correctly (refer to pages 12 ~13).
3. 請確認手掌和手指是否安裝正確(請參考6~9頁步驟)
Check if palm and finger assemblies are all installed correctly (refer to pages 6~9).

B

如果手指頭無法順暢抬起或放下，請跟著以下步驟進行確認
In case fingers don't lift up and down smoothly.

回到第20頁並確認是否依照步驟1~6正確安裝
Go back to page 20, steps 1~6, and check if all steps are installed correctly.



C

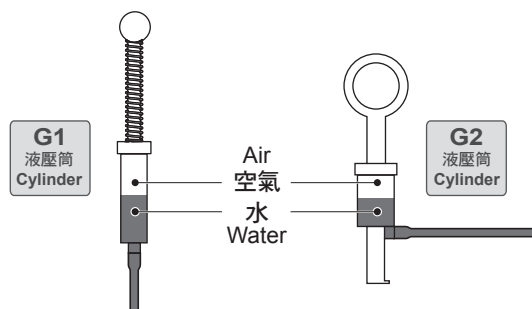
如果姆指操作不順暢，請跟著以下步驟進行確認 If thumb does not work properly, check the following steps.

1. 請確認G2液壓筒裡是否有多餘的空氣。如有，請依照35頁的步驟確認安裝
Check if there is excess air inside the Cylinder G2. If yes case, please go to page 35 and follow the steps accordingly.
2. 請確認所有軟管是否安裝正確，並且沒有扭轉或交錯的狀況(請參考第19頁，步驟8)
Check if all tubes are correctly aligned and not twisted during assembly (refer to page 19, step 8).
3. 請確認所有液壓筒是否安裝正確(請參考12~13頁步驟)
Check if the cylinders are installed correctly (refer to pages 12 ~13).
4. 請確認手掌和手指是否安裝正確(請參考17~18頁步驟)
Check if palm and finger assemblies are all installed correctly (refer to pages 17~18).

D

如有漏水或軟管脫落狀況，請依照以下方式解決
In the case of water leakage or slipped tubes.

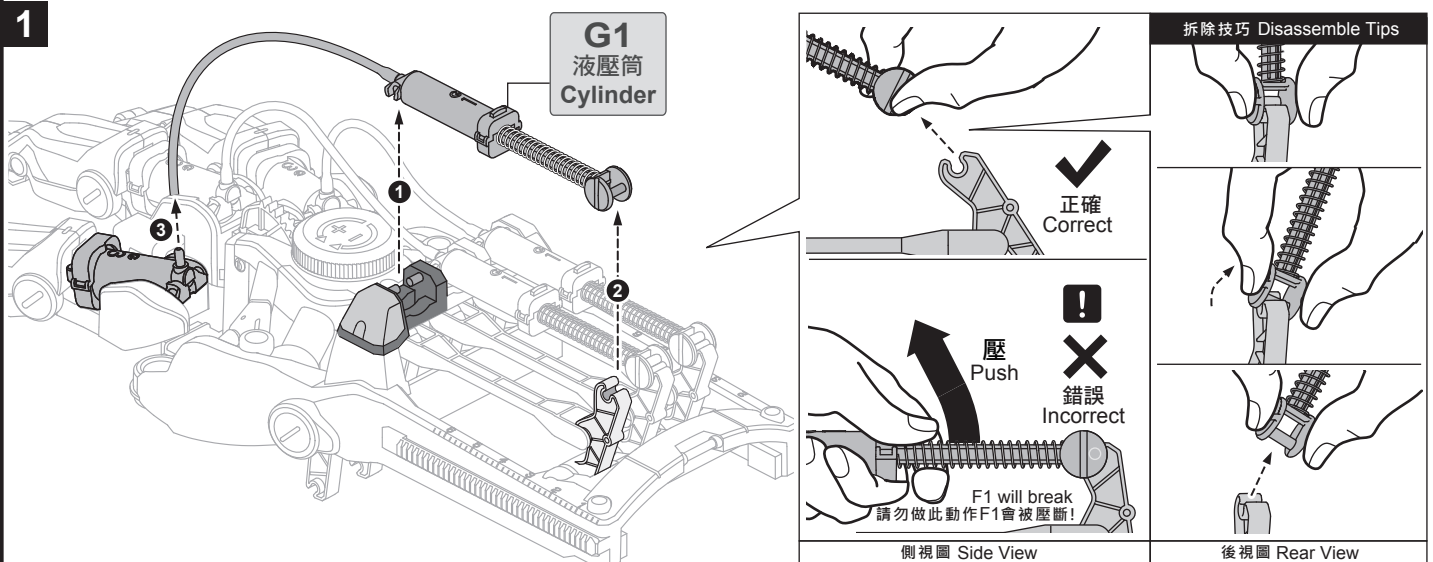
跟著以下方法，卸下液壓筒並重新注水
Follow the next quick guide to disassemble cylinders & refill with water.



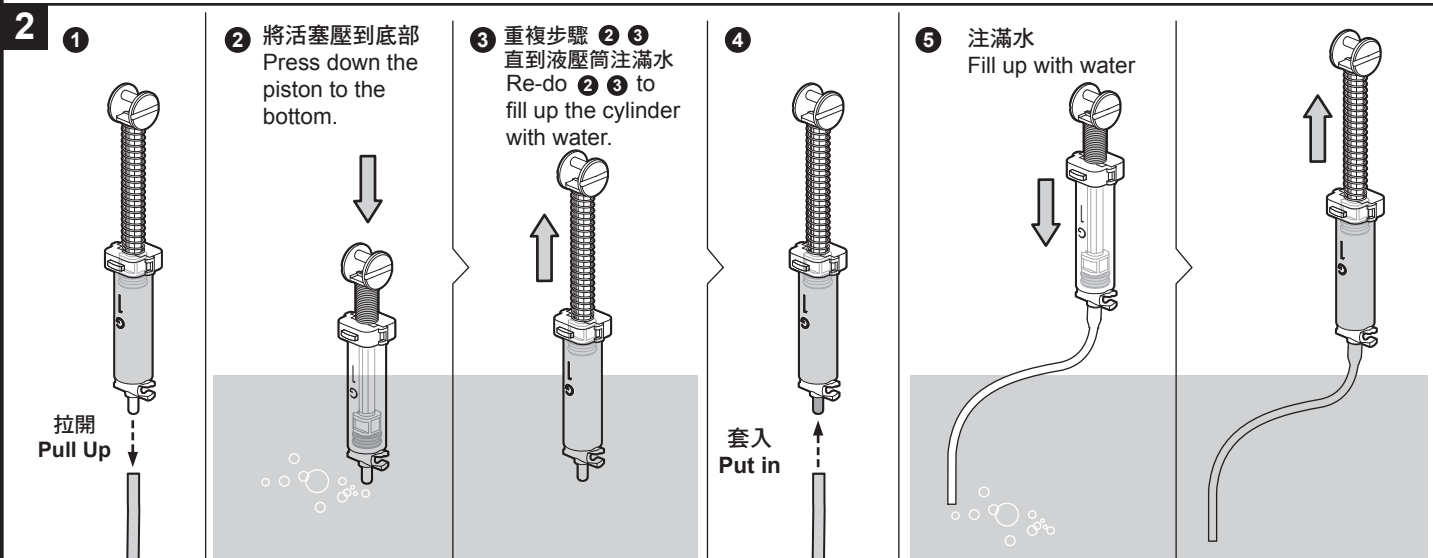
D1

如為手指頭(非拇指)的軟管脫落或漏水，請卸除G1液壓筒並重新注水
Water leakage or slipped tubes on fingers – disassemble G1 and refill with water.

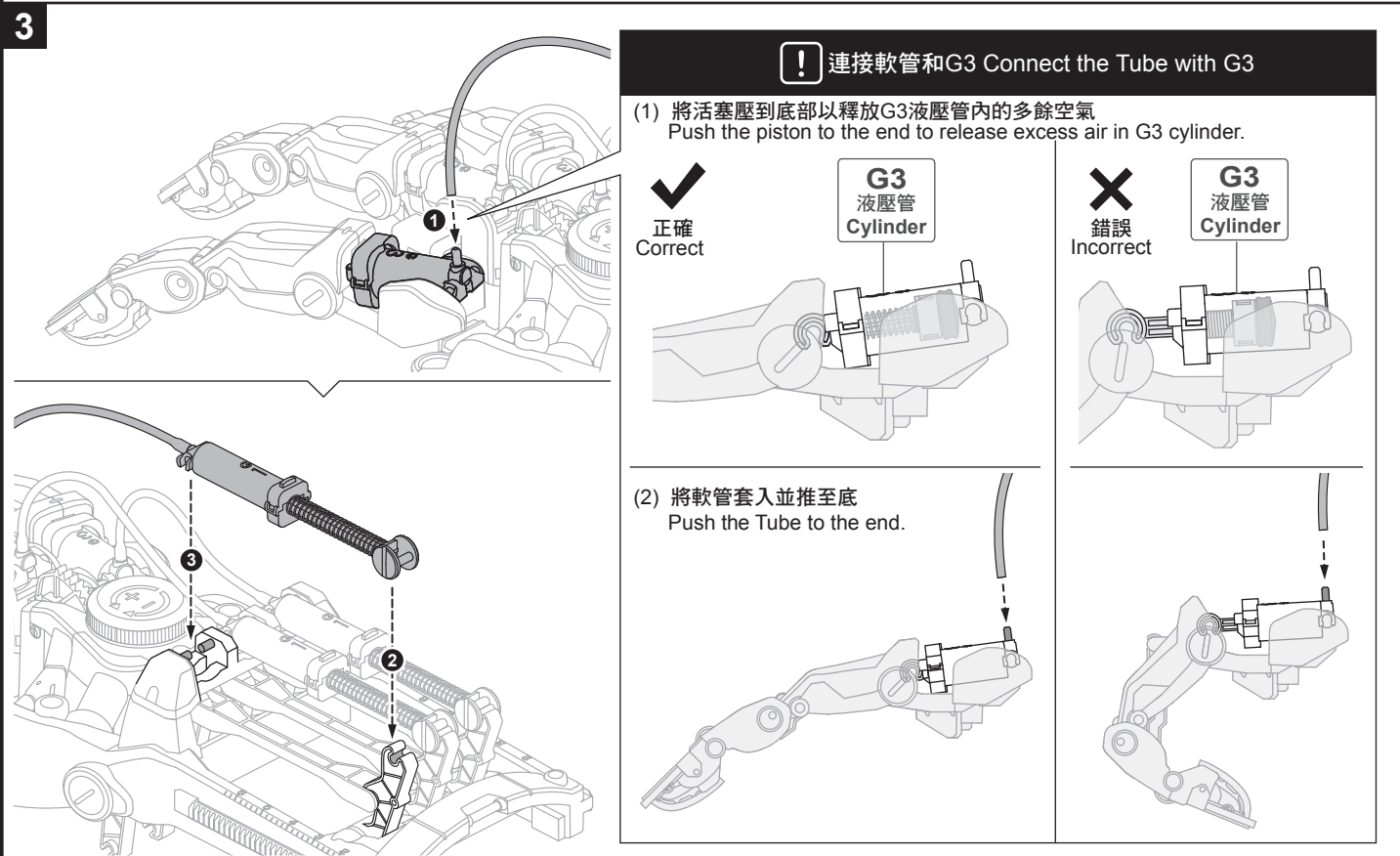
1



2



3

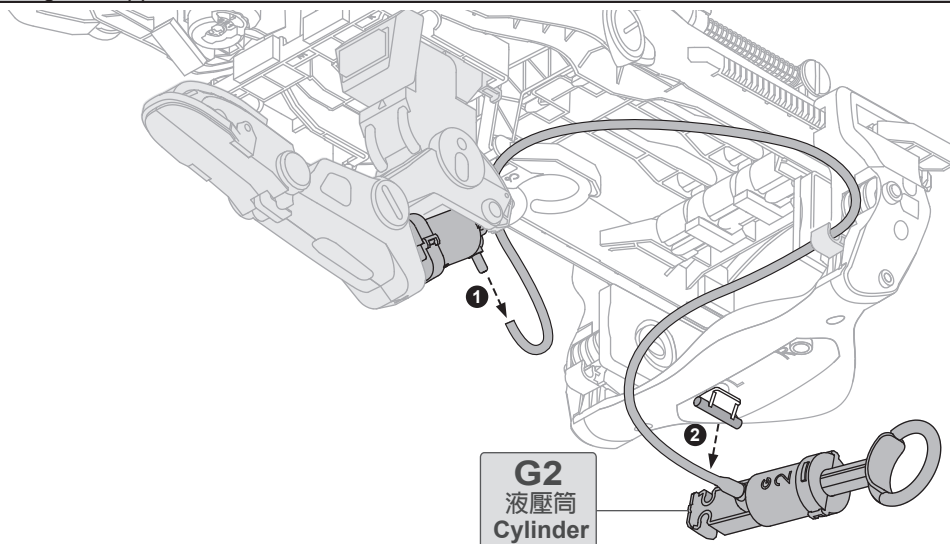


D2

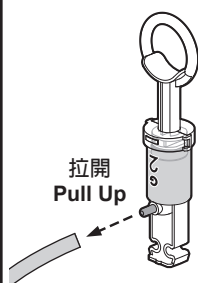
如為拇指的軟管脫落或漏水，請卸除G2液壓筒並重新注水

Water leakage or slipped tubes on thumb – disassemble G2 and refill with water.

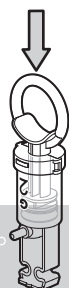
1



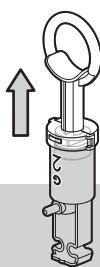
2 1



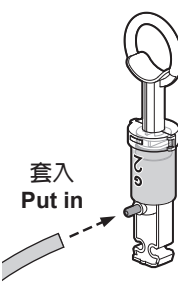
2 將活塞壓到底部
Press down the piston to the bottom.



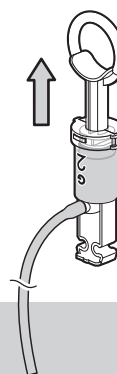
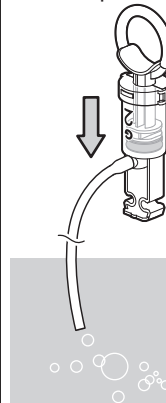
3 重複步驟 2 3
直到液壓筒注滿水
Re-do 2 3 to fill up the cylinder with water.



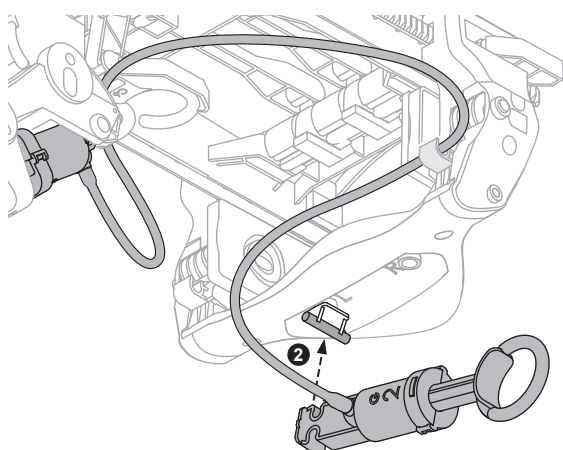
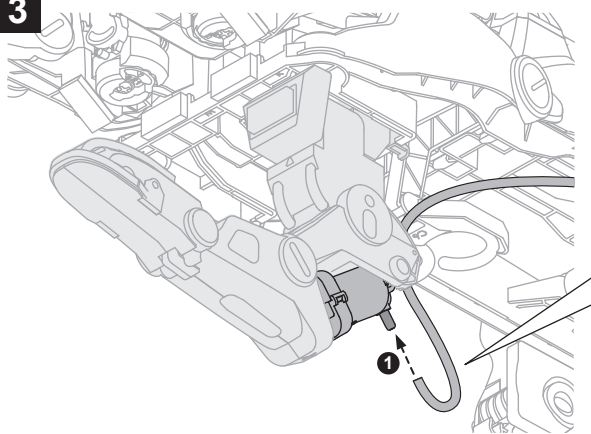
4



5 注滿水
Fill up with water

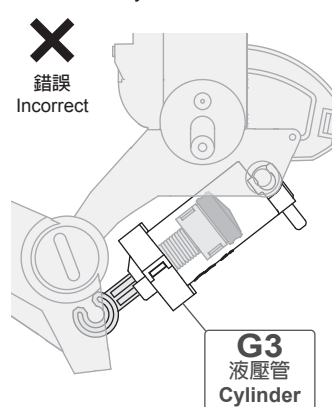
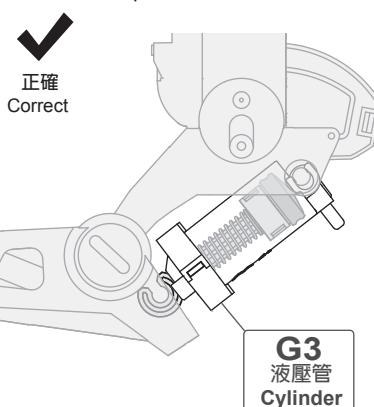


3

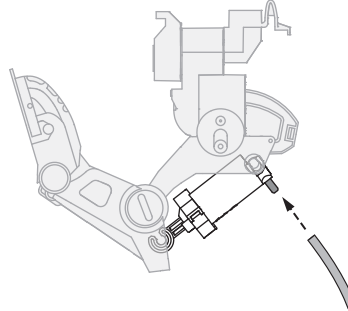
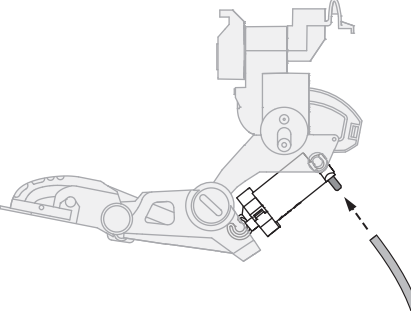


! 連接軟管和G3 Connect the Tube with G3

(1) 將活塞壓到底部以釋放G3液壓管內的多餘空氣
Push the piston to the end to release excess air in G3 cylinder.



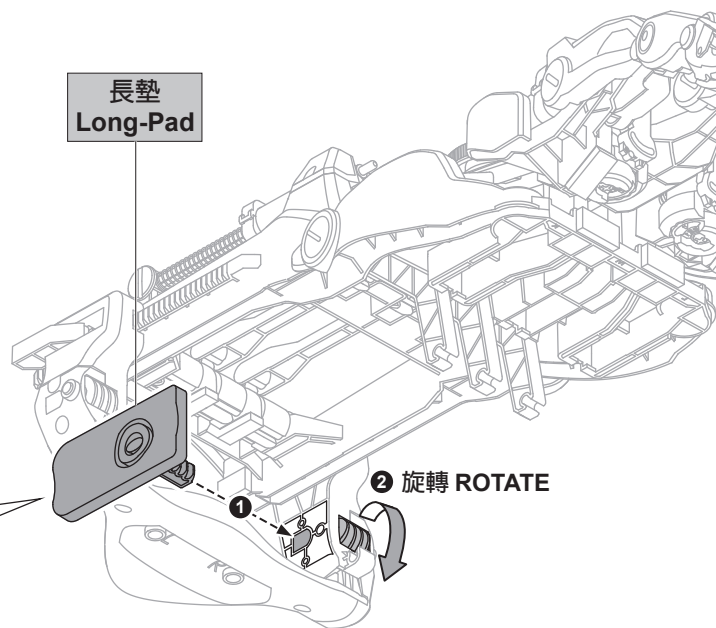
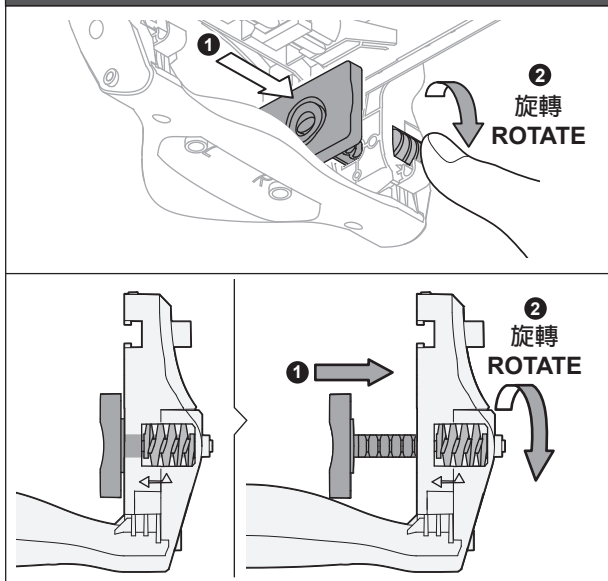
(2) 將軟管套入並推至底
Push the Tube to the end.



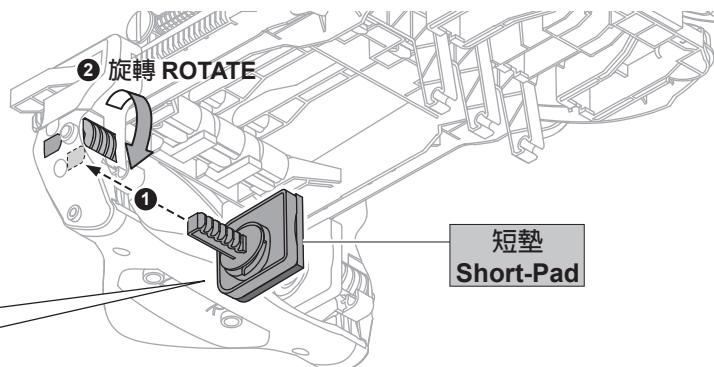
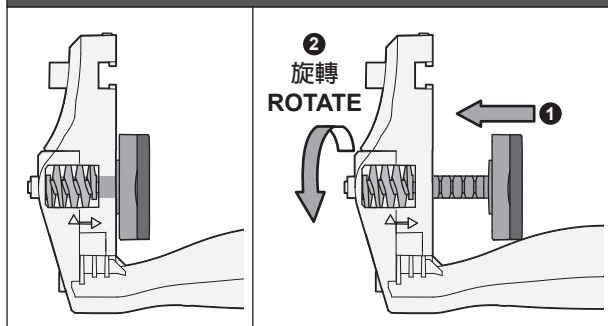
左手控制環安裝Installation (for Left Hand Users)

1

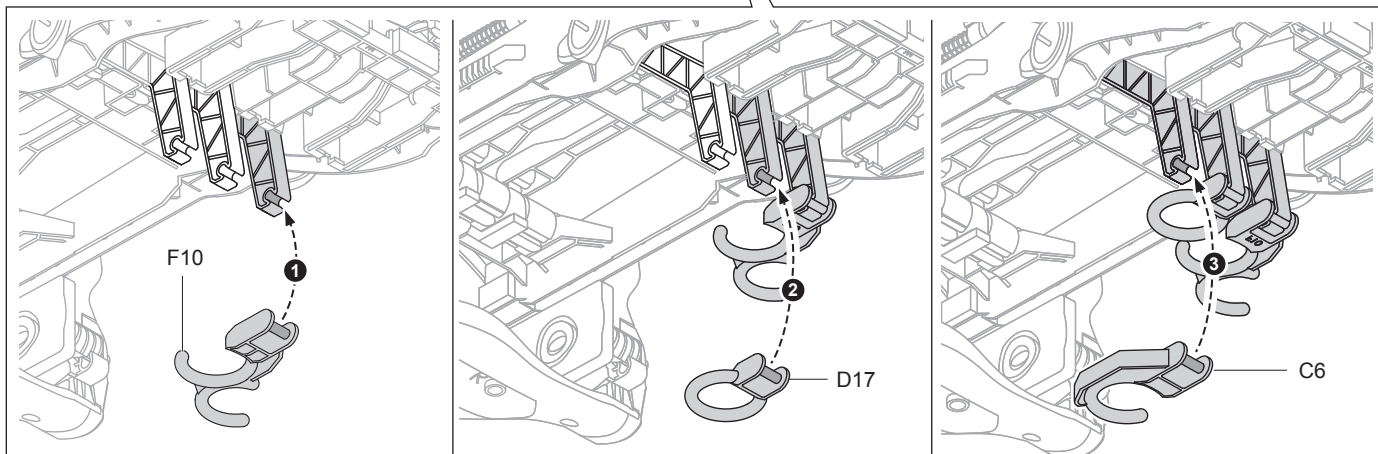
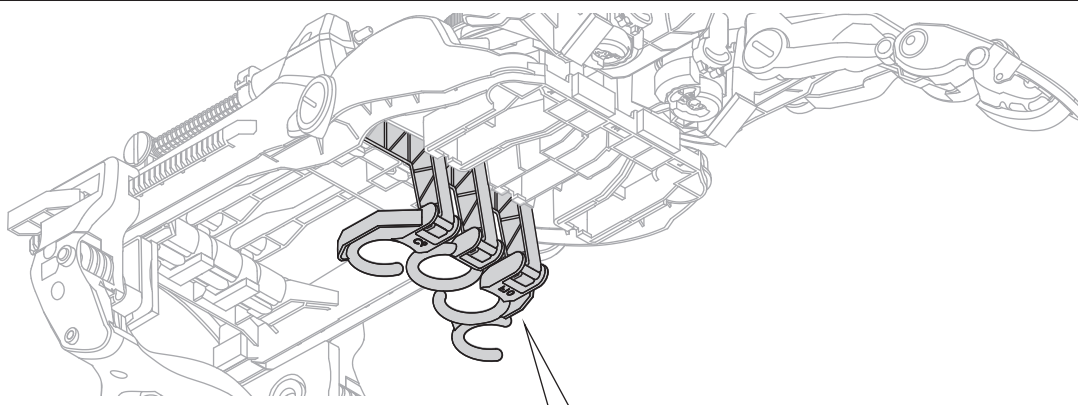
將長墊鎖緊至底 Fasten Long-Pad to the end



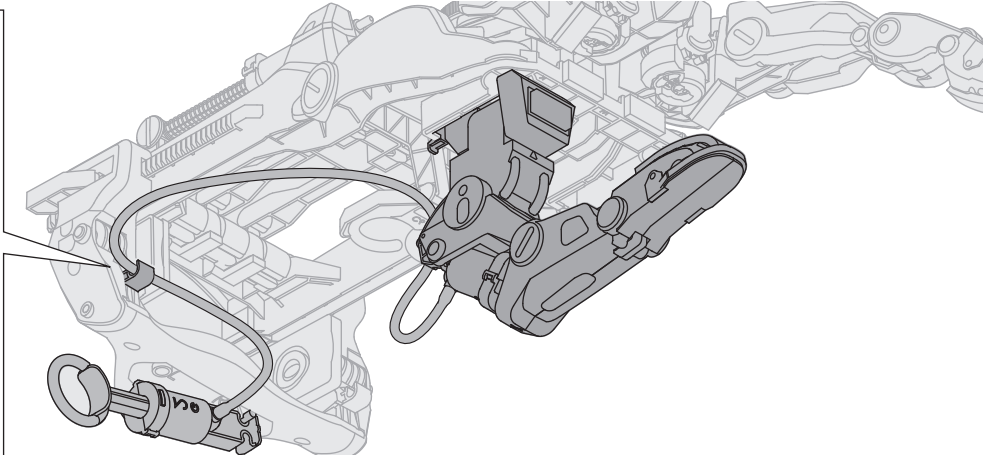
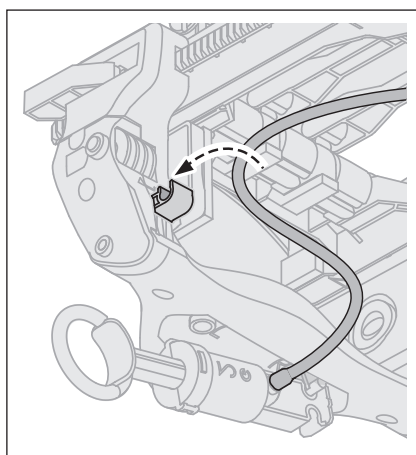
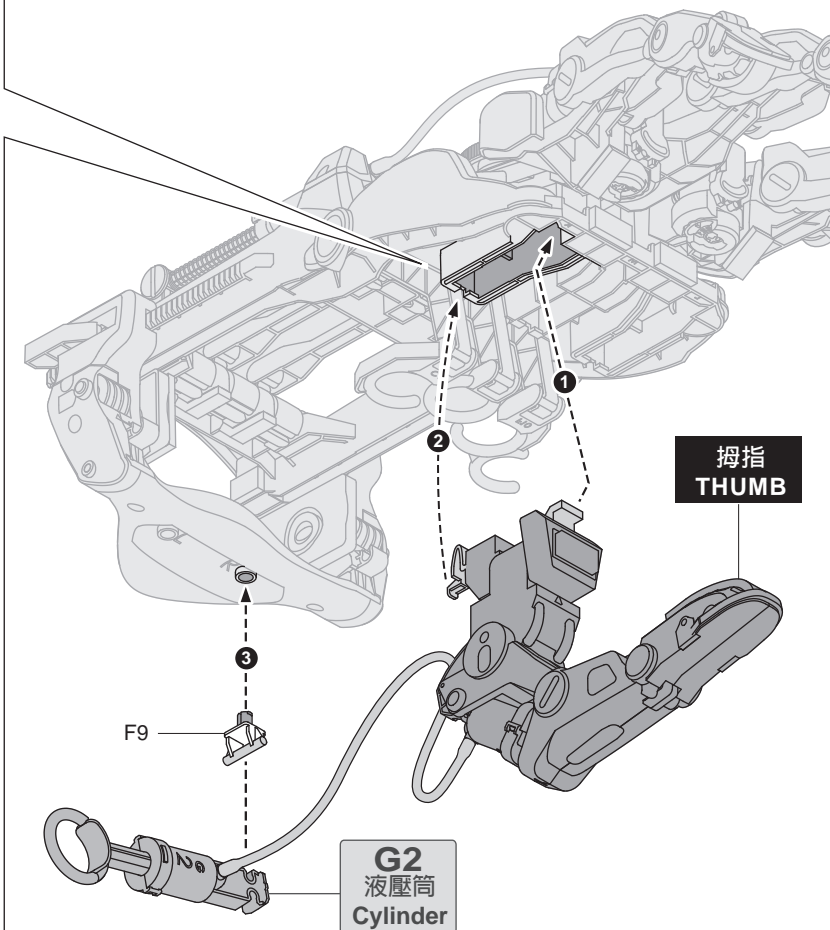
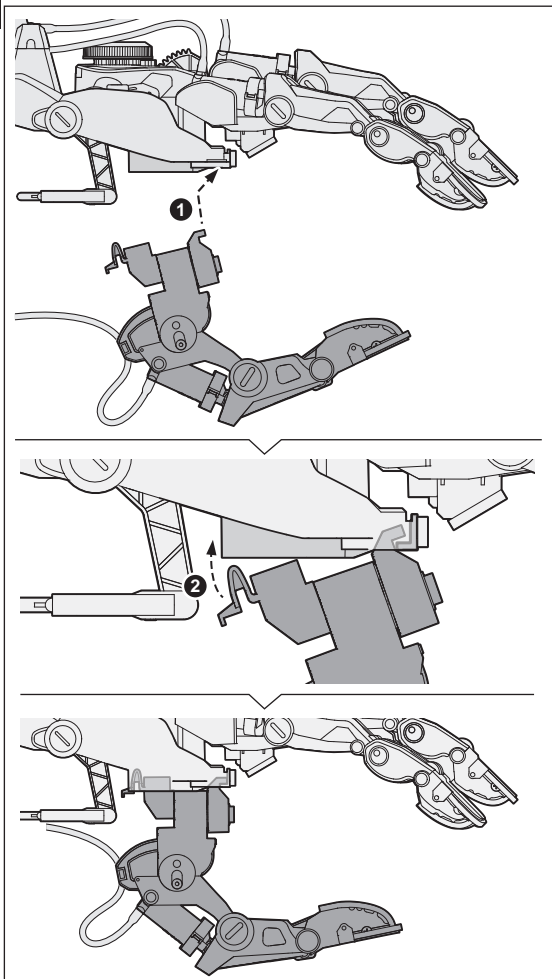
將短墊鎖緊至底 Fasten Short-Pad to the end



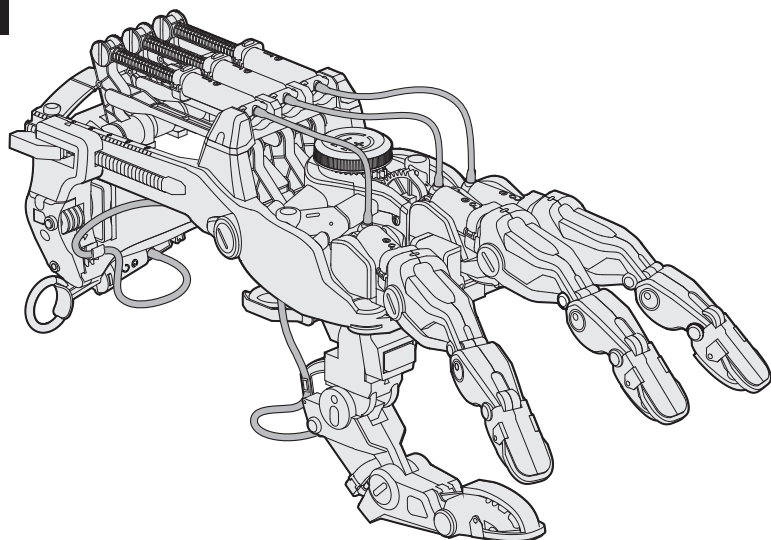
2



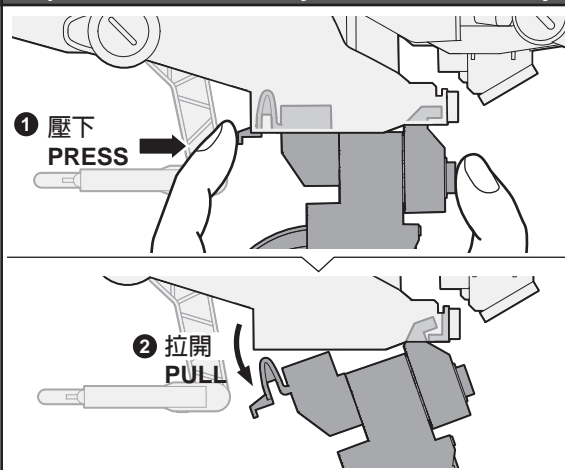
3



4



小技巧提醒:視實際需求依以下方法將拇指卸除
Tips- thumb disassembly in case of necessary.



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-634 液壓機械手套 Cyborg Hand 零件表 Parts List

零件型號Part Number	零件名稱Part Name	數量 Qty
5GE-63400P1	華司螺絲 Tapping Screw	
5GE-63400P2	自攻螺絲 Tapping Screw	
5GE-63400P3	活塞帽(小) Cap (Small)	
5GE-63400P4	活塞帽(大) Cap (Big)	
5GE-63400P5	彈簧(短) Spring(Short)	
5GE-63400P6	彈簧(長) Spring (Long)	
5GE-63400P7	泡棉貼 Sponge	
5GE-63400P8	軟管 Soft Tube	
5GE-63400P9	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.



警告及注意事項

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

HYDRAULIC CYBORG HAND



Pro'sKit®

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

新北市新店區民權路130巷7號5樓
5F, No. 7, Lane 130, Ming-Chung Rd., Hsin-Tien Dist,
New Taipei City, Taiwan, R.O.C Post code: 23141

服務專線 Tel: +886 2 2218 3233 #329

傳真 Fax: +886 2 2218 2722

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

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

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



©2020 Prokit's Industries Co., LTD. All rights reserved. 2020001