

Hurricane 425

颶風

ASSEMBLY INSTRUCTION

組裝說明書



Specification 規格資料

Overall Length (w/o main blades):900mm
機身長(不含主旋翼)

Overall Height:310mm
機身高度

Overall Width:80mm
機身寬度

Flybar Paddle:788x42x6mm
平衡翼尺寸

Main Blade Length:425mm
適用主旋翼長度

Main Rotor Diameter:965mm
主旋翼迴轉直徑

Tail Blade Length:75mm
尾旋翼葉片長度

Tail Rotor Diameter:217mm
尾旋翼迴轉直徑

Speed Ratio (Main and Tail) : 1:4.36
主旋翼與尾旋翼轉速比

Speed Ratio (Motor and Main) : 11.47 : 1 (Varied by gear ratio changed)
馬達與主旋翼減速比(可更換減速比)

Total weight:1375g (Equipped with Blades and all electronic gears except Battery)
全配重量(不含電池)

Power System(Recommended):
動力系統(原廠建議):

Motor -- 1400 KV Battery -- 11.1V 2200mah 25C LI - Po in series(22.2V)
馬達 1400 KV 電池 -- 11.1V 2200mAh 25C Li - Po 兩組串接(22.2V)

Important : The gear ratio, motor and battery should be set properly if the power system changed!!
注意:更改動力系統請注意電池電壓,馬達KV值及減速比關係來做搭配!!

<i>Forward</i>	
前言	P. 1
<i>Check List before First Flight</i>	
飛行前注意事項	P. 2
<i>Gear Ratios</i>	
齒輪減速比 ~ 組裝代號說明	P. 3
<i>Frame Assembly 1</i>	
機身組立 1	P. 4
<i>Frame Assembly 2</i>	
機身組立 2	P. 5
<i>Frame Assembly 3</i>	
機身組立 3	P. 6
<i>Rotor Head Assembly 1</i>	
旋翼頭組立 1	P. 7
<i>Rotor Head Assembly 2</i>	
旋翼頭組立 2	P. 8
<i>Rotor Head Assembly 3 ~ Tail Assembly 1</i>	
旋翼頭組立 3 ~ 尾部組立 1	P. 9
<i>Tail Assembly 2</i>	
尾部組立 2	P. 10
<i>Tail Assembly 3</i>	
尾部組立 3	P. 11
<i>Wiring & Installing</i>	
電裝組立	P. 12
<i>Setting</i>	
設定	P. 13
<i>Battery Mount & Canopy Assembly</i>	
電池版 ~ 塑膠艙罩黏合	P. 14
<i>Upgrade & Replacement Parts</i>	
維修升級配件表	P. 15

Thank you for purchasing GAUI "Hurricane 425 Basic Kit". As the industry creator of the 400-class RC helicopters, we would like to proudly introduce this ultimate machine to those who love high performance and 3D capable RC helicopter, Please read all instructions thoroughly before operation to get the best flight performance. Part or parts missing from this kit must be reported within 60 days of purchase. No part or parts will be sent under warranty without proof of purchase.

To receive part or parts under warranty, the service center must receive a proof of purchase and/or the defective part or parts. Should you find a defective or missing part, contact the authorized GAUI distributor whom you bought it from. Under no circumstances can a dealer or distributor accept return of a kit if assembly has started. This warranty does not cover any components damaged by use or modification. It is welcome that contact <gauri@gauri.com.tw> for more details about GAUI distributors.

感謝你選購泰世科技"颶風425"產品,本公司自2008年推出推出425級3D電動直升機(颶風425)迄今,致力於3D電動直升機的性能提升,現今我們很榮幸能向您介紹這款最佳性能的3D電動直升機,在進行組裝及操作之前,請務必詳細閱讀本說明書。在本說明書的介紹下您將會知道如何組裝及設定您的 颶風425 並獲致穩定及3D性能兼具的飛行特性。產品拆封前請檢視商品內容是否與標示項目及數量相符,若有零件短少或內容物與標示不同,請於購買日起60天內洽詢原購買之經銷商。請注意!! 產品拆封後之短少或不符,以及消費者使用不當或自行改裝產品所造成的瑕疵或損壞,將無法享有保固維修服務。任何保固維修服務之要求,需透過泰世科技公司授權之正式經銷商或其認可之銷售通路確認後方可進行。關於產品使用及購買之相關服務請洽詢泰世科技當地經銷商或歡迎來信詢問,本公司郵件信箱 <gauri@gauri.com.tw>。

Safety Precautions 安全注意事項

1. The "Hurricane 425 Basic Kit" is not a toy. It is a high performance model product. It is important to familiarize yourself with the model, its manual, and its construction before assembly or operation. Improper operations may cause personal and/or property damage. Beginner's operating under the supervision of the experienced pilots is necessary.
 2. Do not operate model products in rain, on public roads, near crowds, near airport, or near areas with restricted radio operation.
 3. This product, its parts, and its construction tools can be possibly harmful to your health. Always exercise extreme caution when assembling and/or operating this product. Do not touch any part of model that rotates.
 4. Use an adequate charger for the batteries and follow the instruction correctly, It is highly recommended that use the GAUI electronic gears for this helicopter,.
 5. By the act of assembling or operating this product, the user accepts all resulting liability. GAUI and its distributor have no control over damage resulting from shipping, improper building materials, construction, or improper usage. If the buyer is not prepared to accept this liability, then he/she return this product in new, unassembled, and unused condition to the place of purchase.
1. 颶風425遙控直升機是一高性能飛行產品而非玩具。在組裝及操作之前請充分了解產品內容及其使用注意事項、不當使用及組裝疏失都可能造成操作者及週遭人員嚴重傷害或財物損失。本產品是提供給有經驗的使用者於各合法遙控飛行場飛行,初學者請協同技術人員在旁指導,以確保飛行安全。
 2. 請勿在雨天及天候不佳的狀況下飛行,操作時應遠離道路、機場、及其他禁止遙控飛行器使用之區域。
 3. 測試時請勿接觸產品上的各項旋轉物件,飛行時應遠離運轉中的機體。
 4. 使用原廠電池或其他原廠建議規格之充電器、電池及電子產品並依其指示使用以確保安全。
 5. 產品組裝前請注意!!使用者對產品開始組裝後所之相關責任及其及疏忽所造成的意外事故須負完全責任。本公司及其經銷商在產品售出後,對於使用者的組裝疏失、運送過程、維修不良和操作不當所發生的意外事故均不負任何責任。

1. Beginner's operating under the supervision of the experienced pilots is necessary. It is highly recommended that inspect the mechanism and check the setting of transmitter by experienced pilots for first flight.
2. Check your radio frequency with the proper operating frequency of the area or country. Always check if there are any modelers operating on the same frequency as you are. Also, check your radio for proper operation and make sure that the power of the transmitter and receiver are sufficient before flight.
3. Make sure the mechanism of the helicopter operates smoothly without interference with each other.
4. Make sure the operating direction of the servos are correct and the servo gears work fine.
5. Make sure the connectors of the electronic gears will not be disconnected due to the vibration.
6. Make sure the parts was assembled correctly and the screws are tighten properly. Inspect the helicopter after flight to find if there is any part was worn or broken, replace the worn parts and ball links immediately to prevent a control failure.
7. If the Main blades or the tail blades were impacted during flight, land the helicopter immediately and check the blades for any damage, the blades of main or tail should be replaced even if there is only slightly impact.

1. 初學者首次飛行前請由有經驗的使用者先行檢查各機構動作及遙控器設定是否正確，並協同有經驗的使用者完成飛行調整以確保飛行安全。
2. 確認遙控器頻率是否與他人相同以避免干擾，並應在動力系統連接電池前先確認遙控器功能是否正常，並確定遙控器及接收機電量足夠該次飛行。
3. 確認各機構動作是否順暢且無干涉現象。
4. 確認伺服機動作方向是否正確、伺服機齒輪是否有故障或異常。
5. 確認各電子設備接頭是否接合確實，避免飛行時因震動而鬆脫。
6. 確認各裝備及零件已正確按裝，螺絲、螺帽、連桿並無缺少或鬆脫，飛行後另須確認各部零件是否有磨損或破裂，過鬆的連桿或破損零件應先換新，以避免失控的危險。
7. 若飛行中主旋翼或尾旋翼有碰觸地面，應立即降落並檢查機件有無損傷，旋翼產品即使是輕微碰撞亦應立即更新以確保安全。

Notes for Assembling 組裝注意事項

Do not tighten the screws too much that break the thread of parts or screws, it is necessary to use the thread-lock or locktite adhesive for the parts or screws which indicated on manual. Recheck the screws or nuts to make sure they are tightened and adhered properly, even for the parts which were preassembled.

零件組裝時請依說明書指示上膠，並適度控制螺絲起子的扭力，以避免螺絲或零件滑牙造成損壞，在裝配原廠已完成組裝之零件時，請再確認各螺絲是否確實鎖緊上膠。

Important:

The standard tail blades(#204757) is suitable for the maximum head speed which is more than 2600 RPM. Use the optional 79mm tail blades(#204755) if the maximum head speed is less than 2600 RPM.

注意:

原廠內附69mm尾旋翼片(#204757)適用於主旋翼最高轉速高於2600rpm之配置。
主旋翼最高轉速若設定低於2600rpm請選用79mm尾旋翼片(#204755)。

The calculation for working out the Hurricane425 gearing (Motor speed / Head speed) is
 (Front Main Gear tooth count ÷ pinion tooth count)x(Rear Main Gear tooth count ÷ one way gear tooth count)

Hurricane425 馬達轉數與主旋翼轉數之減速比計算公式：(前齒輪齒數 ÷ 馬達齒齒數) X (主齒輪齒數 ÷ 單向齒輪齒數)

Hurricane425 available gear ratios with 19T one way gear

原廠配備 19T 單向齒輪

(0.8Mod)- 61T Rear Main Gear (0.8Mod)
 (模數 0.8) 配備 61T主齒輪(模數 0.8)

42T Front Main Gear 42T 前齒輪
 13T pinion = 10.37:1 13T 馬達齒 = 10.37:1
 14T pinion = 9.63:1 14T 馬達齒 = 9.63:1
 15T pinion = 8.98:1 15T 馬達齒 = 8.98:1
 16T pinion = 8.42:1 16T 馬達齒 = 8.42:1

50T Front Main Gear 50T 前齒輪
 13T pinion = 12.34:1 13T 馬達齒 = 12.34:1
 14T pinion = 11.46:1 14T 馬達齒 = 11.46:1
 15T pinion = 10.70:1 15T 馬達齒 = 10.70:1
 16T pinion = 10.03:1 16T 馬達齒 = 10.03:1

60T Front Main Gear 60T 前齒輪
 13T pinion = 14.81:1 13T 馬達齒 = 14.81:1
 14T pinion = 13.75:1 14T 馬達齒 = 13.75:1
 15T pinion = 12.84:1 15T 馬達齒 = 12.84:1
 16T pinion = 12.03:1 16T 馬達齒 = 12.03:1

61T Front Main Gear 61T 前齒輪
 13T pinion = 15.06:1 13T 馬達齒 = 15.06:1
 14T pinion = 13.98:1 14T 馬達齒 = 13.98:1
 15T pinion = 13.05:1 15T 馬達齒 = 13.05:1
 16T pinion = 12.24:1 16T 馬達齒 = 12.24:1

Hurricane425 available gear ratios with 20T one way gear

選用 20T 單向齒輪

(0.8Mod)- 61T Rear Main Gear (0.8Mod)
 (模數 0.8) 配備 61T主齒輪(模數 0.8)

42T Front Main Gear 42T 前齒輪
 13T pinion = 9.85:1 13T 馬達齒 = 9.85:1
 14T pinion = 9.15:1 14T 馬達齒 = 9.15:1
 15T pinion = 8.54:1 15T 馬達齒 = 8.54:1
 16T pinion = 8.00:1 16T 馬達齒 = 8.00:1

50T Front Main Gear 50T 前齒輪
 13T pinion = 11.73:1 13T 馬達齒 = 11.73:1
 14T pinion = 10.89:1 14T 馬達齒 = 10.89:1
 15T pinion = 10.16:1 15T 馬達齒 = 10.16:1
 16T pinion = 9.53:1 16T 馬達齒 = 9.53:1

60T Front Main Gear 60T 前齒輪
 13T pinion = 14.07:1 13T 馬達齒 = 14.07:1
 14T pinion = 13.07:1 14T 馬達齒 = 13.07:1
 15T pinion = 12.20:1 15T 馬達齒 = 12.20:1
 16T pinion = 11.43:1 16T 馬達齒 = 11.43:1

61T Front Main Gear 61T 前齒輪
 13T pinion = 14.31:1 13T 馬達齒 = 14.31:1
 14T pinion = 13.28:1 14T 馬達齒 = 13.28:1
 15T pinion = 12.40:1 15T 馬達齒 = 12.40:1
 16T pinion = 11.62:1 16T 馬達齒 = 11.62:1

The Head Speed calculation : http://www.gauicom.tw/html-en/550_rotor_speed.html

主旋翼轉數計算 : http://www.gauicom.tw/html/550_rotor_speed_tc.html

Figures instruction 組裝代號說明

IMPORTANT 請注意

Use the thread-lock adhesive if the screws are tightened to the metal parts.
 組裝時如遇螺絲鎖於金屬件，請適量使用螺絲止鬆劑以確保飛行安全!
 Use the thread-lock adhesive on the tip of screw for 1mm width.
 螺絲止鬆劑上膠位置約為螺紋前端1mm寬度。

Code Letter/Number (#A,#B,#C...,1,2,3...) used in each figure indicates the specific part in that figure only, please refer to the parts list for the actual item numbers. Code Letter/Number is only for the reference in assembly.

每一個插圖中的代號(#A, #B, #C...1, 2, 3...) 僅代表該插圖中的某一零件，同一插圖中若有相同尺寸之零件，會以相同代號代表，插圖代號僅供組裝參考用。

- | | | | | | | | | | |
|---|---|---|---|---|----|----|----|----|----|
| ① | ② | ③ | ④ | ⑤ | #A | #B | #C | #D | #E |
| ⑥ | ⑦ | ⑧ | ⑨ | ⑩ | #F | #I | #J | #G | #H |

Mark 類別 indication 標示 (mm)

B-Bearing	B(Dia.in)x(Dia.out)x(Thickness)
B-軸承	B(內徑)X(外徑)X(厚度)
Ø-Tap Screw	Ø(Dia.out)x(Length)
Ø-粗牙螺絲	Ø(內徑)X(長度)
M-Machine Screw	M(Dia.out)x(Length)
M-公制螺絲	M(外徑)X(長度)
P-tube	P(Dia.in)x(Dia.out)x(Length)
P-柱狀體	P(內徑)X(外徑)X(長度)
Pillar	P(Dia.out)x(Length)
P-柱狀體	P(外徑)X(長度)X(實心柱)
N-Nut	N(Dia.in)x(Width) L-Lock nut
N-螺母	N(外徑)X(長度)
W-Washer	W(Dia.in)x(Dia.out)x(Thickness)
W-華司	W(內徑)X(外徑)X(厚度)

Make sure to assemble the parts as shown in figure above, incomplete/incorrect assembly may cause the control failure during flight.

以上圖示，於組裝時請確實注意，避免組裝後試飛造成失控零件鬆脫等情況發生。

IMPORTANT 請注意

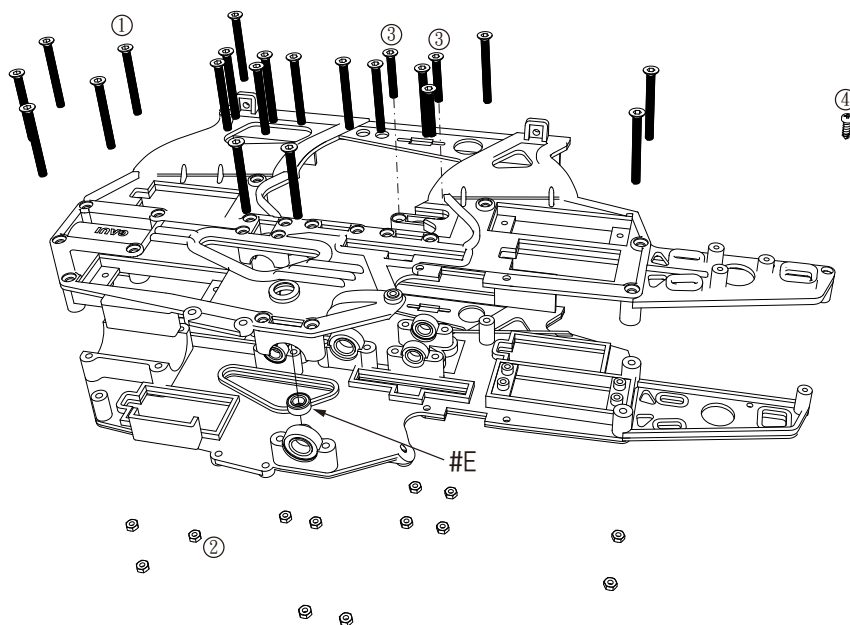
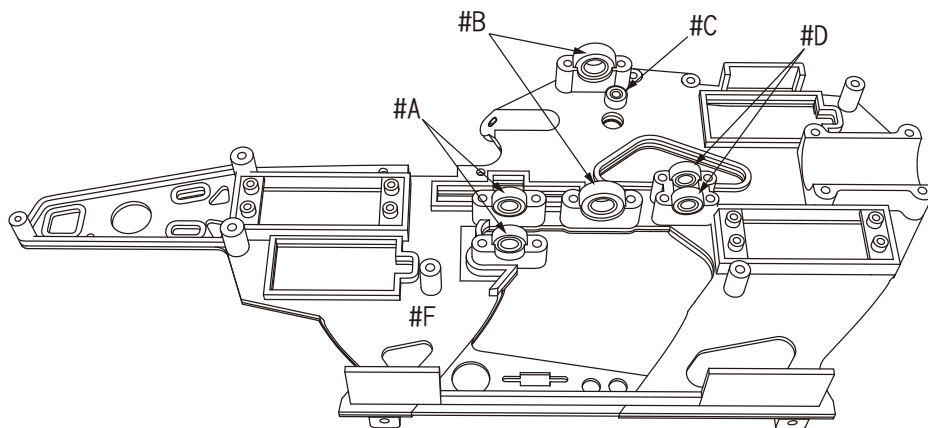
Use the thread-lock adhesive if the screws are tightened to the metal parts.
組裝時如遇螺絲鎖於金屬件，請適量使用 螺絲止鬆劑 以確保飛行安全！
Use the thread-lock adhesive on the tip of screw for 1mm width.
螺絲止鬆劑上膠位置約為螺紋前端 1mm寬度。

IMPORTANT 請注意

Install the bearings onto the frame.
置入側板軸承。
Join both frames and tighten the bolts.
左側板置入軸承後，以螺絲對鎖。

- #A #204578 Ball Bearing with washer (8x12x3.5) x2
軸承 (8x12x3.5) x2 (附墊片)
- #B #204566 Ball Bearing (8x16x5) x2
軸承 (8x16x5) x2
- #C #204561 Ball Bearing (3x8x4) x1
軸承 (3x8x4) x1
- #D #204563 Ball Bearing (5x11x4) x2
軸承 (5x11x4) x2
- #E #805104 Ball Bearing (5x10x4) x1
軸承 (5x10x4) x1
- #F #204010 Main Frame Set
機體

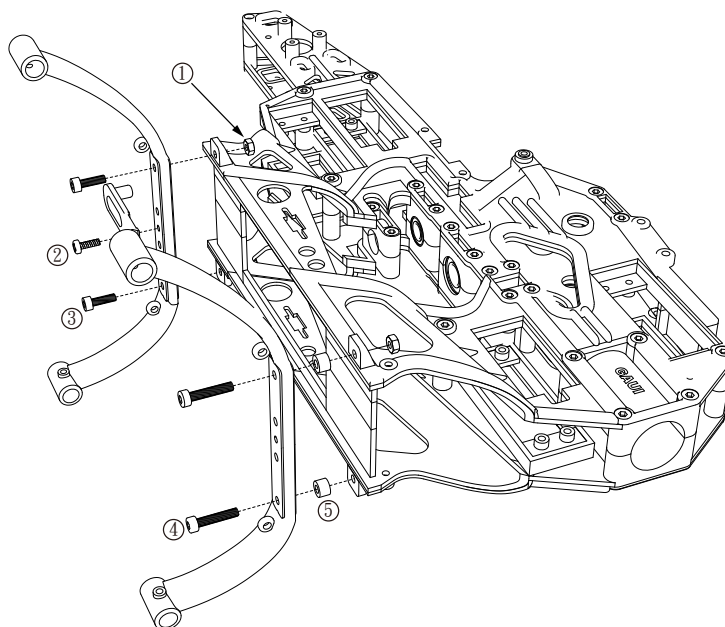
- ① M3X30 Machine Screw
公制螺絲
- ② N3X5.5 Nut
螺母
- ③ M3X20 Machine Screw
公制螺絲
- ④ Ø2.6X10 Self tapping screws
粗牙螺絲



IMPORTANT 請注意

Install the landing gear braces as shown in figure.
如圖將腳架鎖至機身。

- #A #204180 Brace & Skid Set
腳架
- ① N3X5.5 Nut
螺母
- ② Ø3X5 Self tapping screws
粗牙螺絲
- ③ M3X10 Machine Screw
公制螺絲
- ④ M3X15 Machine Screw
公制螺絲
- ⑤ P3X6X4 Tube
柱狀體

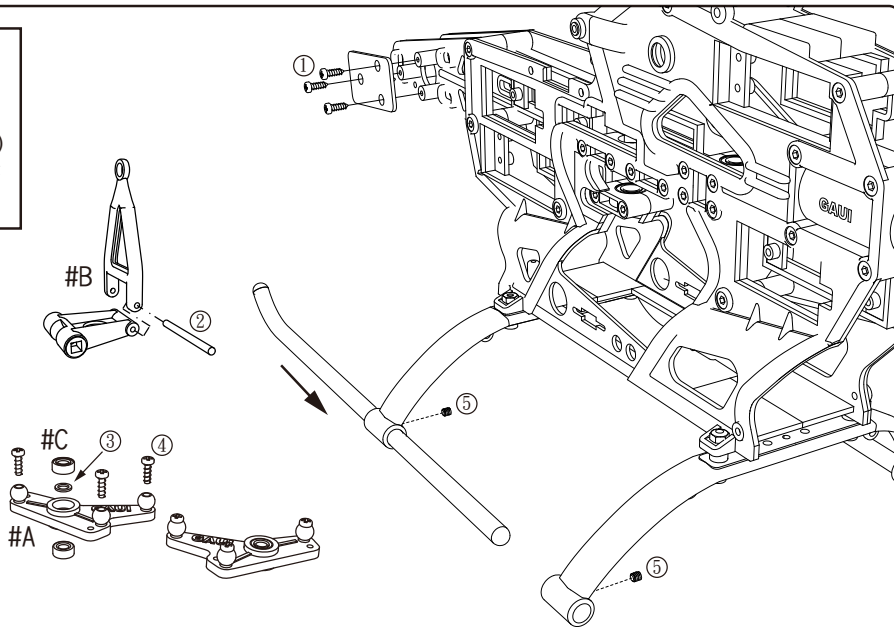


IMPORTANT 請注意

Install the mount and skids. (Make sure not to install the ESC here or in the canopy, the overheated ESC will cut off the motor power temporarily during flight.)
 將接收機電池架鎖至機身並套入腳架鋁管。(勿將ESC安裝在此架上或置於艙罩內,散熱不良的ESC可能會在飛行中進入保護模式而暫時切斷馬達電源。)

- #A #204512 Pitch & Roll Arm Set
前搖臂
- #204612 CNC Pitch & Roll Arm Set
CNC前搖臂
- #B #204513 Elevator Arm (F & R) Set
後搖臂
- #C #203290 Bearing(3x6x2.5)x2pcs
軸承包(3x6x2.5)x2個

- ① Ø2.6X10 Self taping screws
粗牙螺絲
- ② P2X22 Pillar
柱狀體
- ③ W3.1X4.6X0.6 Washer
華司
- ④ Ø2X8 Self taping screws
粗牙螺絲
- ⑤ M3X3 Self taping screws
止付螺絲

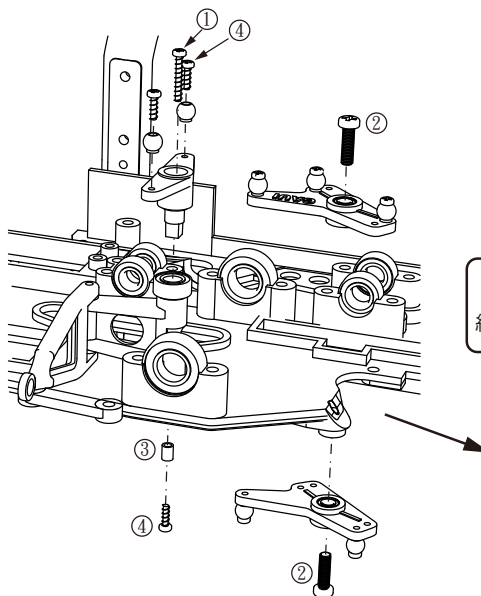


IMPORTANT 請注意

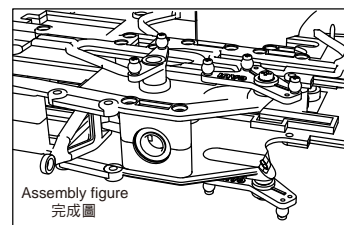
Assemble the arms as shown in figure and install the arm assembly onto the frame.
 製作三個CCPM搖臂並鎖至機身。

- #A #204514 Elevator Lever
後搖臂舵片
- #204614 CNC Elevator Lever
CNC後搖臂舵片
- #B #204021 Front Main Gear(42T)
42T齒輪
- #204621 Front Main Gear(50T)
50T齒輪
- #204622 Front Main Gear(60T)
60T齒輪

- ① Ø2X14 Self taping screws
粗牙螺絲
- ② M3X10 Machine Screw
公制螺絲
- ③ P2X3X4 Tube
柱狀體
- ④ Ø2X8 Self taping screws
粗牙螺絲
- ⑤ Ø3X5 Self taping screws
粗牙螺絲



Front Main Gear 50T.
 (42~60T are suitable for plastic version)
 組立第一段前齒輪50T。(塑膠版可適用42~60T)



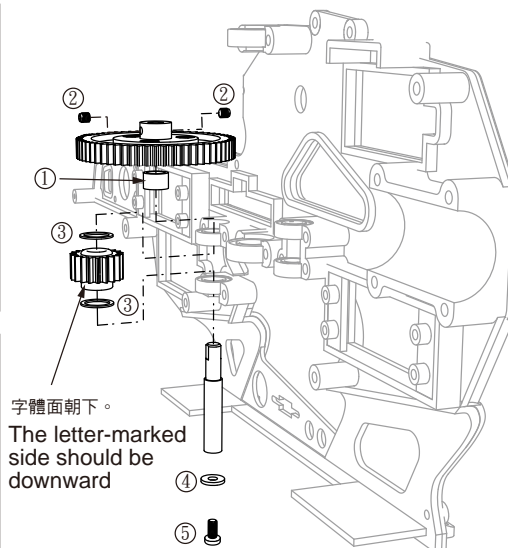
IMPORTANT 請注意

Assemble the front main gear and hub, join the one way gear and shaft and the front main gear assembly. (as shown in perspective)

組合第一段前齒輪,並以軸心銜接單向鋼齒。(組合完成如右透視圖)

The letter-marked side of one way bearing should be downward
 單向軸承有標注字體面朝下。

- ① P8.1X9.6X5.3 Tube
柱狀體
- ② M3X3 Self taping screws
止付螺絲
- ③ W8X10.5X0.5 Washer
華司
- ④ W3X9X1 Washer
華司
- ⑤ M3X4 Machine Screw
公制螺絲



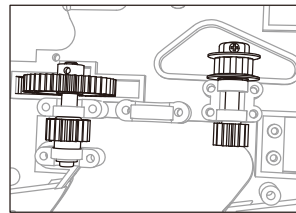
字體面朝下。
 The letter-marked side should be downward

Use grease to attach the washer
 (W8X10.5X0.5)
 將 W8X10.5X0.5華司沾點黃油貼附在
 B8X12X3.5 軸承內側,再置入單向鋼齒。

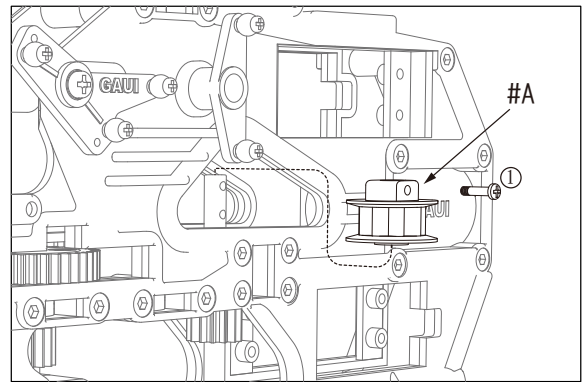
IMPORTANT 請注意

Install the pullet shaft and the front pulley, tighten the screw (M2X10) at the flat side of the pulley race.(as shown in perspective)
置入皮帶齒軸，並以螺絲將前皮帶齒輪(有平面)固定至軸上，組合完成如右透視圖。

The letter-marked side of one way bearing should be downward
單向軸承有標字體面朝下。



透視圖
Perspective



- | | | |
|----|---------|--------------------------|
| #A | #204524 | Front Pulley Set
前皮帶輪 |
| ① | M2X8 | Machine Screw
公制螺絲 |

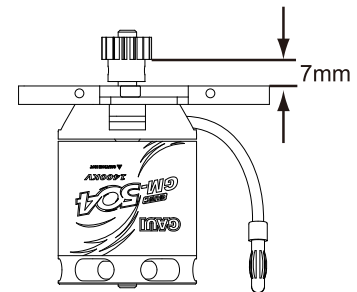
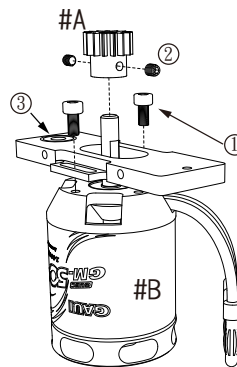
IMPORTANT 請注意

Install the motor onto motor mount (Tighten the screw slightly), secure the motor gear and then adjust the gear mesh by moving the motor forward or backward.
After the gear mesh is set properly, remove the mount (with motor and gear), then tighten the motor screws and install then onto frame.

將馬達固定在馬達座上(不鎖緊)及鎖上齒輪後先置入機身(馬達前後移動)調整齒輪間隙。調整適當間距後，取出馬達座總成並鎖緊，再將總承鎖至機身。

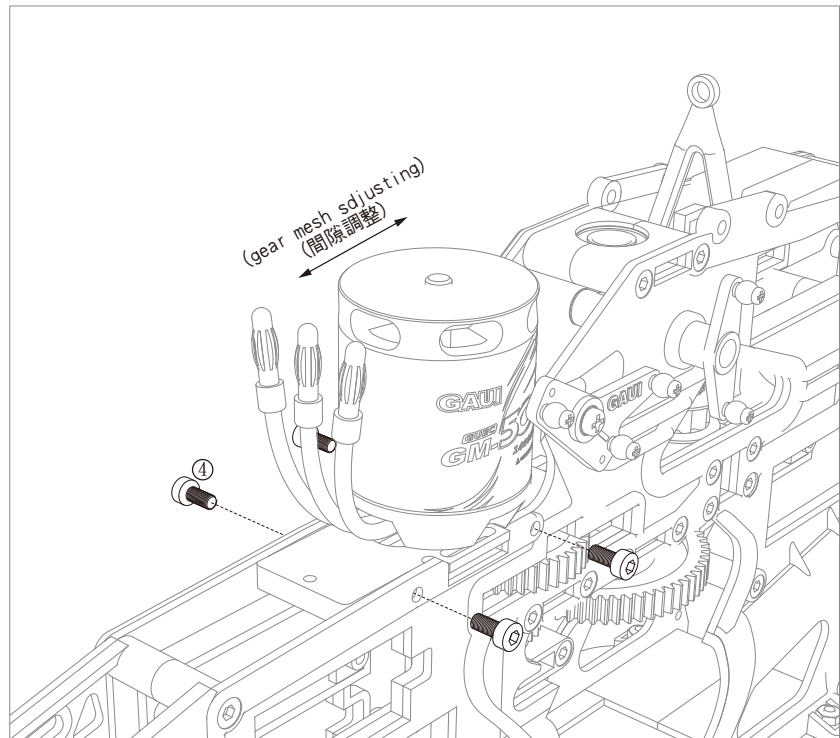
Refer to the Page 3 for gear ratio.

欲更換馬達齒請參考 P. 3 齒輪減速比。



- | | | |
|----|---------|-------------------------------------------------------------------------------------|
| #A | #901301 | Steel Pinion Gear Pack
(13T- for 5.0mm shaft)
鋼製馬達齒13T(孔徑5.0mm) |
| | #901401 | Steel Pinion Gear Pack
(14T- for 5.0mm shaft)
鋼製馬達齒14T(孔徑5.0mm) |
| | #901501 | Steel Pinion Gear Pack
(15T- for 5.0mm shaft)
鋼製馬達齒15T(孔徑5.0mm) |
| | #901601 | Steel Pinion Gear Pack
(16T- for 5.0mm shaft)
鋼製馬達齒16T(孔徑5.0mm) |
| #B | #855504 | (GUEC GM-504) Brushless Motor
(1200W-kv1400)
(GUEC GM-504) 無刷馬達(1200W-kv1400) |
| | #855501 | (GUEC GM-501) Brushless Motor
(1000W-kv850)
(GUEC GM-501) 無刷馬達(1000W-kv850) |

- | | | |
|---|---------|---------------------------------------|
| ① | M3X6 | Socket head machine screws
公制內六角螺絲 |
| ② | M3X3 | Socket set screws
止付螺絲 |
| ③ | B5X11X4 | Bearing
軸承 |
| ④ | M3X6 | Socket head machine screws
公制內六角螺絲 |

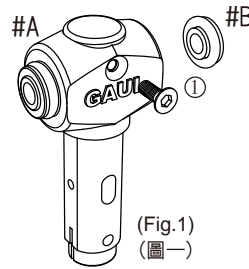


IMPORTANT 請注意

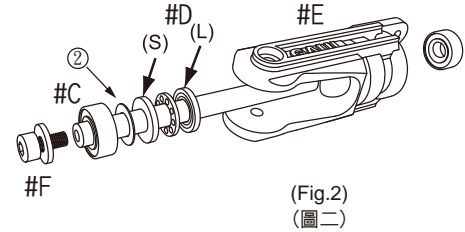
- Join the yoke and center hub, install the head spacer & damper as shown in figure. (Fig.1)
將T型頭鎖至鉛軸上並將橡膠環套在圓盤後利用小起子塞入T型頭兩側。(圖一)
- Install the parts in that order. (Notice: S - smaller hole, L - Larger hole) (Fig.2)
利用橫軸為治具, 先套入軸承及止推軸承(注意: S-小孔, L-大孔)再壓入夾頭內。(圖二)
- Assemble grips and yoke tighten the two screws of spindle shaft (Fig.3)
完成兩個主旋翼夾頭後再以橫軸對鎖。(圖三)
- Assemble both of the mixing levers and join them to the grips. (Fig.4)
組合搖臂並鎖至夾頭上。(圖四)

CAUTION: Replace the main blades immediately after crash, inspect and replace the Main Mast / Spindle Shaft / Main Rotor Yoke & Hub if the impact of the crash damage the parts and results in vibration.

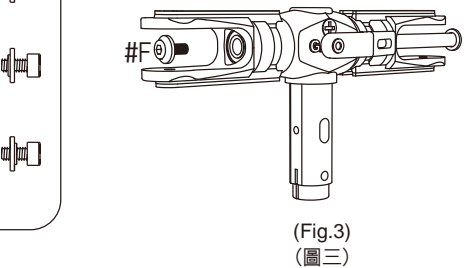
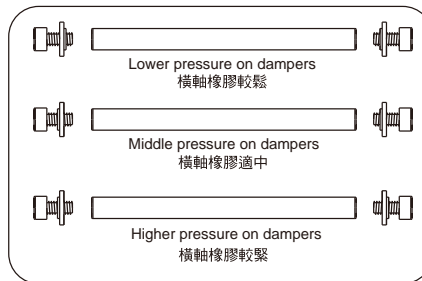
警告: 直昇機遭受撞擊或墜落後應立即更換主旋翼, 並應檢查或更換主軸, 橫軸及旋翼頭以消除震動。



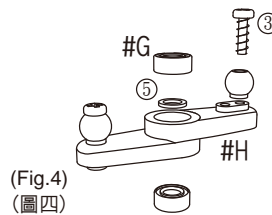
(Fig.1)
(圖一)



(Fig.2)
(圖二)



(Fig.3)
(圖三)



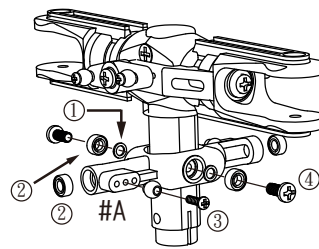
(Fig.4)
(圖四)

- #A #204528 Main Rotor Yoke Set
旋翼頭
- #204676 CNC Main Rotor Yoke
CNC旋翼頭
- #204628 CNC Main Rotor Yoke Set
CNC旋翼頭組
- #B #204530 Head Spacer & Damper Set
橫軸橡皮墊
- #C #204563 Ball Bearings Pack (5x11x4)x4
軸承(5x11x4)x4
- #D #204567 Thrust Bearings Pack (5x10x4)x2
止推軸承(5x10x4)x2
- #E #204529 Main Grip Set
主旋翼夾頭
- #204629 CNC Main Grip Set
CNC主旋翼夾頭
- #F #204615 Spindle Spacer & Screw Set
橫軸螺絲及墊片
- #G #204560 Ball Bearings Pack (3x6x2.5)x4
軸承(3x6x2.5)x4
- #H #204532 Mixing Lever Set
旋翼搖臂
- #204632 CNC Mixing Lever Set
CNC旋翼搖臂

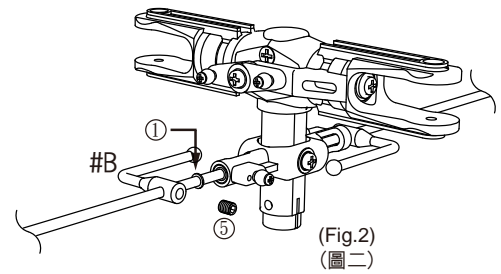
- ① M3X7 Socket head machine screws
公制六角螺絲
- ② W5X9X0.25 Washer
華司
- ③ Ø2X8 Self tapping screws
粗牙螺絲
- ④ M3X10 Machine Screw
公制螺絲
- ⑤ W3.1X4.6X0.6 Washer
華司

IMPORTANT 請注意

- Install the seesaw onto the center hub. (Fig.1)
將平衡桿座鎖至鉛軸上。(圖一)
- Install the flybar arms onto the flybar. (Fig.2)
將L臂固定在平衡桿上。(圖二)
- Make sure the Distance "A" & "B" should be equal. (Fig.3)
注意平衡桿兩端距離需一致。(圖三)



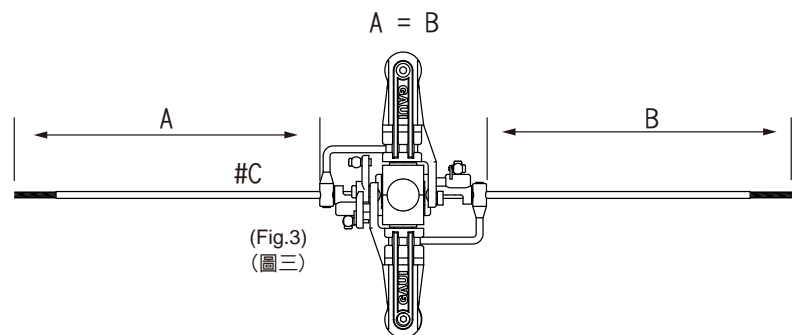
(Fig.1)
(圖一)



(Fig.2)
(圖二)

- #A #204041 Seesaw
平衡桿座
- #204641 CNC Seesaw Set
CNC平衡桿座
- #B #204533 Flybar Arms Set
L臂
- #204679 CNC Stabilizer Control Set
CNC平衡翼控制組
- #C #204042 Flybar
平衡桿

- ① W3.1X4.6X0.6 Washer
華司
- ② B3X6X2.5 Bearing
軸承
- ③ Ø2X8 Self tapping screws
粗牙螺絲
- ④ M3X6 Machine Screw
公制螺絲
- ⑤ M4X4 Socket set screws
止付螺絲



(Fig.3)
(圖三)

IMPORTANT 請注意

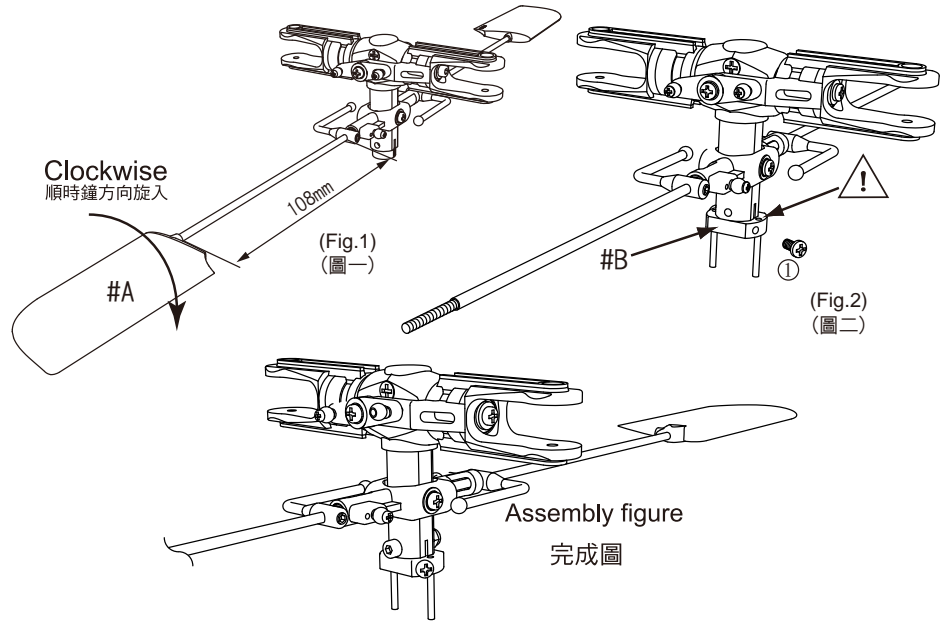
Install the flybar paddle (Both paddles should have the same turns), secure the flybar and paddle by M3X3 set screw. (Fig.1)

旋入平衡翼時請注意旋入圈數兩端要相同。(圖一)

Install washout guide. (The slot should be in the exact position and do not overtight the screw. (Fig.2)

鎖入定位器 (注意凹槽位置並且不要過分鎖緊)。(圖二)

#A	#204756	H425 Flybar Paddles Set 颶風 425平衡翼
	#204734	Light-Weight Flybar Paddles Set 輕量化平衡翼
	#204534	Flybar Paddles Set 平衡翼
#B	#204535	Washout Guide Assembly 定位器
	#204635	CNC Washout Guide Assembly CNC定位器
①	Ø3X5	Self tapping screws 自攻牙螺絲

**IMPORTANT** 請注意

Install the main mast. (Be sure not to install the mast up side down) (Fig.1)

將主軸鎖至鉛軸上。(注意主軸兩端位置) (圖一)

Assemble the washout base & the arms. (Fig.2)

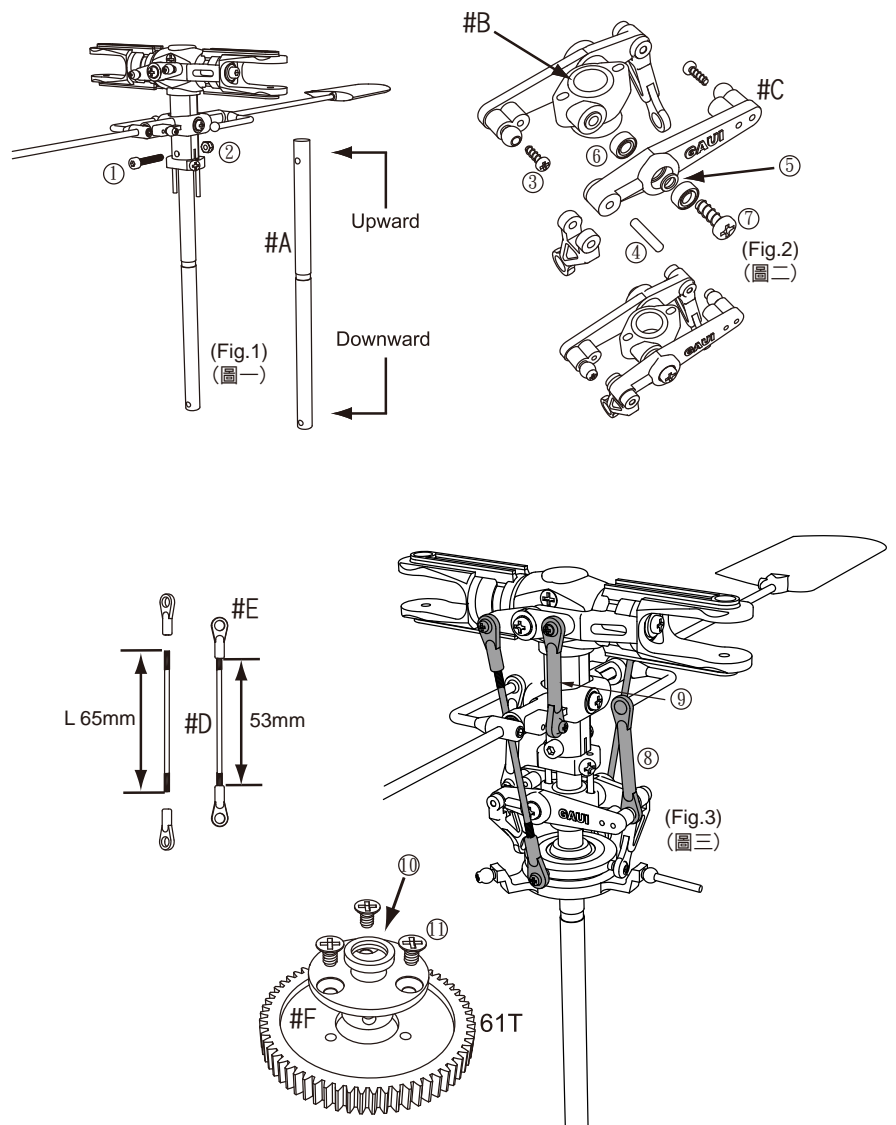
組合剪型臂。(圖二)

Install the double links. (Fig.3)

扣上兩組拉桿。(圖三)

#A	#204536	Main Masts Pack (8mm) 主軸 (8mm)
	#204591	Hollow Main Masts Pack (8mm) 中空主軸 (8mm)
#B	#204051	Washout Base 剪形臂滑座
	#204678	CNC Washout Base CNC剪形臂座
#C	#204537	Washout Arm Assembly 剪形臂
	#204637	CNC Washout Arm Assembly CNC剪形臂
#D	#204541	Adjust Rods Pack 拉桿組
#E	#204542	Ball Links Pack 拉桿頭
#F	#204022	Rear Main Gear (61T) 61T齒輪

①	M3X18	Socket head machine screws 公制六角螺絲
②	N3X5.5L	Nut 螺母
③	Ø2X8	Self tapping screws 粗牙螺絲
④	P2X10	Pillar 柱狀體
⑤	W3.1X4.6X0.6	Washer 華司
⑥	B3X6X2.5	Bearing 軸承
⑦	M3X10	Machine Screw 公制螺絲
⑧	L35	Double Link (L-35) L-35拉桿
⑨	L30	Double Link (L-30) L-30拉桿
⑩	P8X13X2	Tube 柱狀體
⑪	M3X5	Machine Screw 公制螺絲



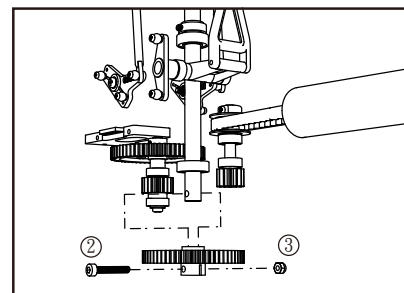
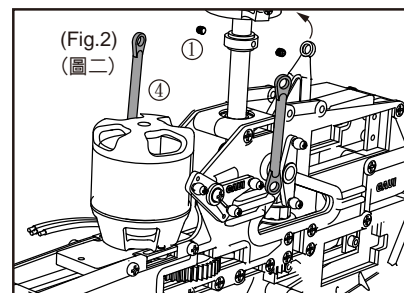
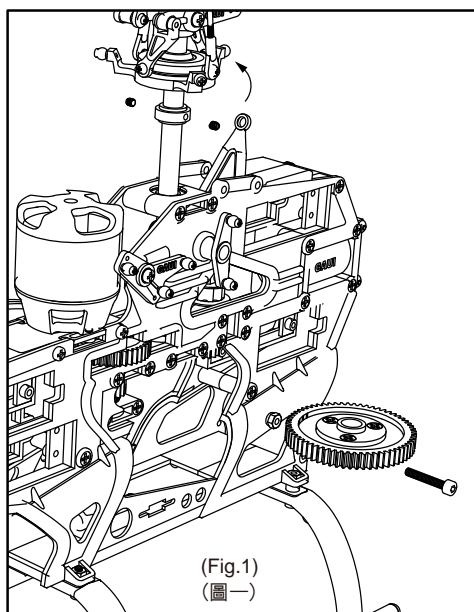
IMPORTANT 請注意

Assemble the rear main gear and hub, join it with the main mast and frame assembly. Install the mast collar, the mast should not be able to be moved up and down. (Fig.1)

鎖上輪檔(注意主軸上下不要有間隙)組合主齒盤並如圖結合主軸並鎖上止附螺絲。(圖一)

Install the double link.(Fig.2)
扣上拉桿及後搖臂。(圖二)

- | | | |
|---|----------|--------------------------------------|
| ① | M3X3 | Socket set screws
止付螺絲 |
| ② | M3X18 | Socket head machine screws
公制六角螺絲 |
| ③ | N3X5. 5L | Nut
螺母 |
| ④ | L45 | Double Link(L-45)
L-45拉桿 |



Tail Assembly 1

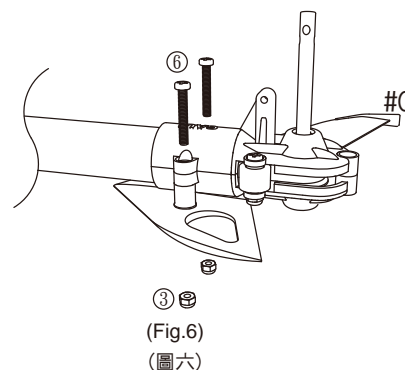
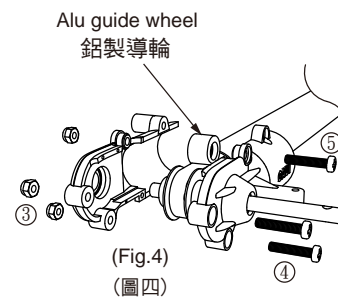
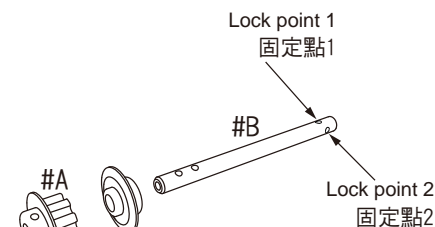
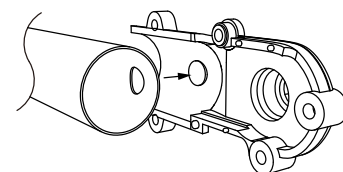
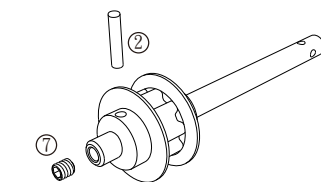
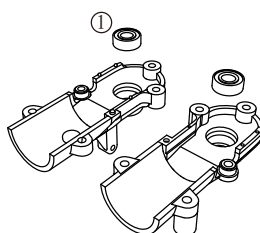
尾部組立1

IMPORTANT 請注意

- 1.Install the bearings.(Fig.1)
將軸承置入尾殼內。(圖一)
- 2.Install the tail pulley and the tail shaft.(Fig.2)
把尾皮輪插入尾軸。(圖二)
- 3.Secure the tail pulley with the pin.(Fig.3)
以插銷固定皮帶輪及尾軸。(圖三)
- 4.Install the tail pulley and the tail gear cases.(Fig.4)
把皮帶置於皮帶輪上並組合尾殼與尾管。(圖四)
- 5.Notice:The tail gear case should be installed exactly.(Fig.5)
注意尾殼凸點需置入尾管凹槽內。(圖五)
- 6.Install the vertical fin.(Fig.6)
組合垂直尾翼於尾殼上。(圖六)

- | | | |
|----|---------|----------------------------|
| #A | #204547 | Tail Pulley Set
尾皮帶輪 |
| #B | #204123 | Tail Output Shaft
尾軸 |
| #C | #204549 | Fin & Stabilizer Set
尾翼 |

- | | | |
|---|----------|---------------------------|
| ① | B5X11X4 | Bearing
軸承 |
| ② | P2X11 | Pillar
柱狀體 |
| ③ | N3X5. 5L | Nut
螺母 |
| ④ | M3X10 | Machine Screw
公制螺絲 |
| ⑤ | M3X15 | Machine Screw
公制螺絲 |
| ⑥ | M3X20 | Machine Screw
公制螺絲 |
| ⑦ | M3X3 | Socket set screws
止付螺絲 |

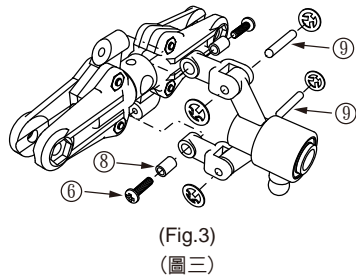
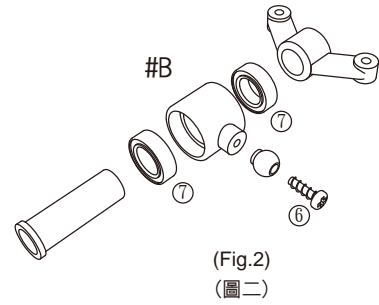
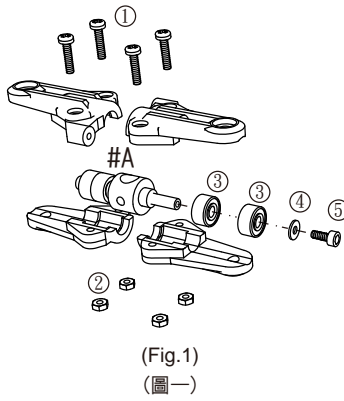


IMPORTANT 請注意

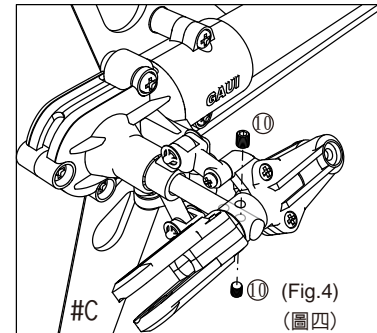
1. Use the thread-lock on the tip of the screw and assemble the hub, install the tail grips as shown.(Fig.1)
將軸承置入尾旋翼頭內並將螺絲上螺絲膠再組合(請勿用力過度導致滑牙),將尾旋翼夾片鎖緊。(圖一)
2. Assemble the tail pitch slider and the bush.(Fig.2)
利用滑套旋入組合尾螺距推桿座。(圖二)
3. Assemble the grips assembly & the pitch slider assembly.(Fig.3)
組合推桿與夾頭。(圖三)
4. Install the grips & the pitch slider assembly, tighten the set screws.(Fig.4)
將夾頭組置入尾軸並鎖緊。(圖四)
5. Assemble the tail pitch control lever and install it onto tail gear case.(Fig.5)
將尾舵角片組合並鎖至尾殼上。(圖五)
6. Install the tail rotor blades.(Fig.6)
將尾旋翼置於夾片內。(圖六)
7. Install the tail support clamp and the rudder control guide.(Fig.7)
套入尾管夾與拉桿座於尾管上。(圖七)

- #A #204651 Tail Hub Set
尾旋翼頭
- #B #204552 Tail Pitch Slider Set
螺距夾
- #204640 CNC Tail Pitch Slider Set
CNC螺距夾組(5mm尾軸用)
- #C #204549 Fin & Stabilizer Set
尾翼
- #D #204553 Tail Pitch Control Lever Set
尾舵角片
- #E #204754 Light-weight Tail Rotor Blade Set
輕量化尾旋翼
- #204554 Tail Rotor Blade Set
尾旋翼
- #F #204664 Tail Boom Conversion Set
(with Belt 470XL) for 425L Blade
425藥用尾管改裝包(附470XL皮帶)
- #G #204556 Rudder Control Guide
拉桿座
- #H #204555 Tail Support Clamp
尾管夾

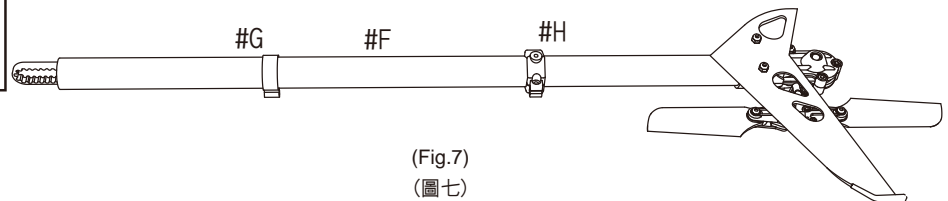
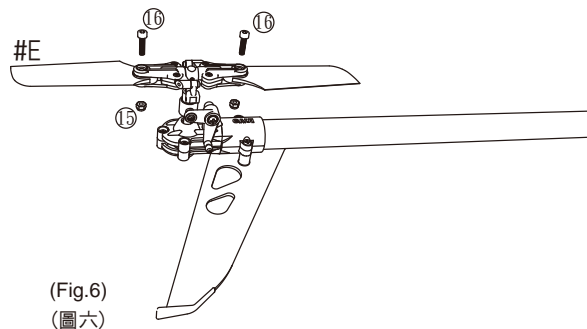
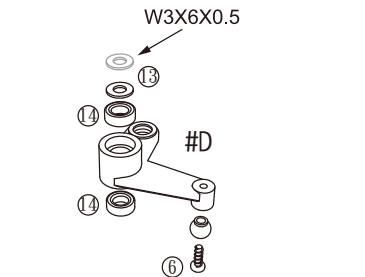
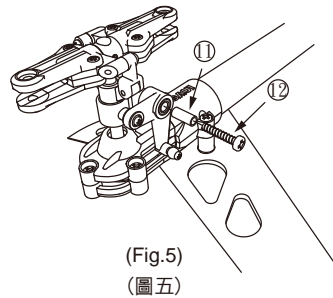
- ① M2X8 Machine Screw
公制螺絲
- ② N2X4 Nut
螺母
- ③ B3X8X4 Bearing
軸承
- ④ W2X5X0.5 Washer
華司
- ⑤ M2X3 Machine Screw
公制螺絲
- ⑥ Ø2X8 Self tapping screws
粗牙螺絲
- ⑦ B6X10X3 Bearing
軸承
- ⑧ P2X3X4.5 Tube
柱狀體
- ⑨ P2X12 Pillar
柱狀體
- ⑩ M3X3 Socket set screws
止付螺絲
- ⑪ P3X4X9.5 Tube
柱狀體
- ⑫ Ø3X15 Self tapping screws
粗牙螺絲
- ⑬ W3X6X0.5 Washer
華司
- ⑭ B4X7X2.5 Bearing
軸承
- ⑮ N3X5.5L Nut
螺母
- ⑯ M3X12 Machine Screw
公制螺絲



Install the tail hub and tighten the set screws onto the Lock point 1.
螺絲鎖入時請鎖至尾橫軸第1固定點

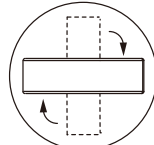
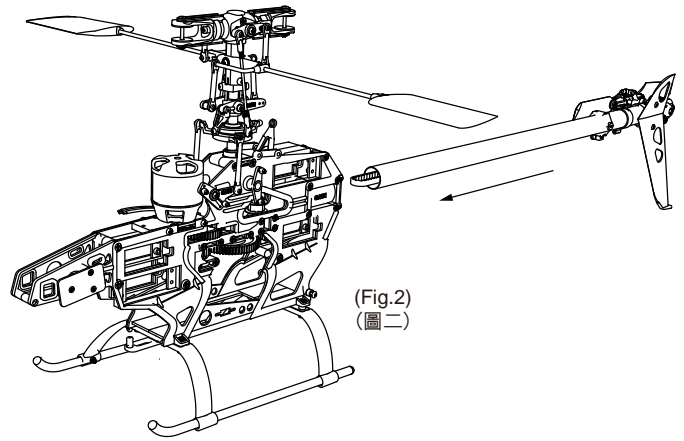
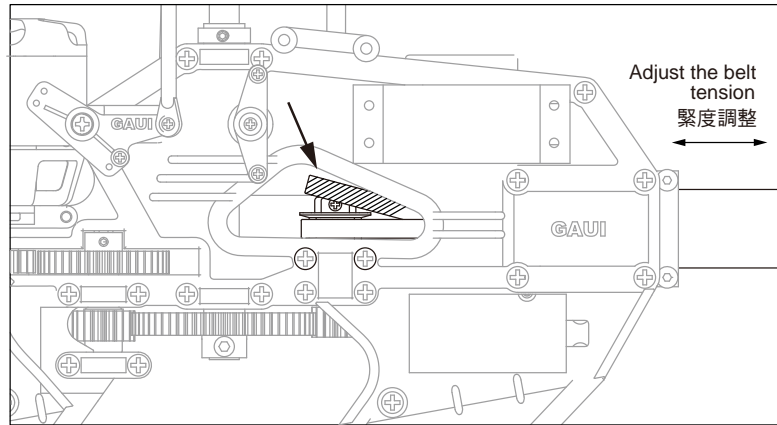


Put in 1 or 2 washers to adjust the distance between Lever and gear box.
請放入1或2個墊片以調整舵角片與尾齒輪箱間隙

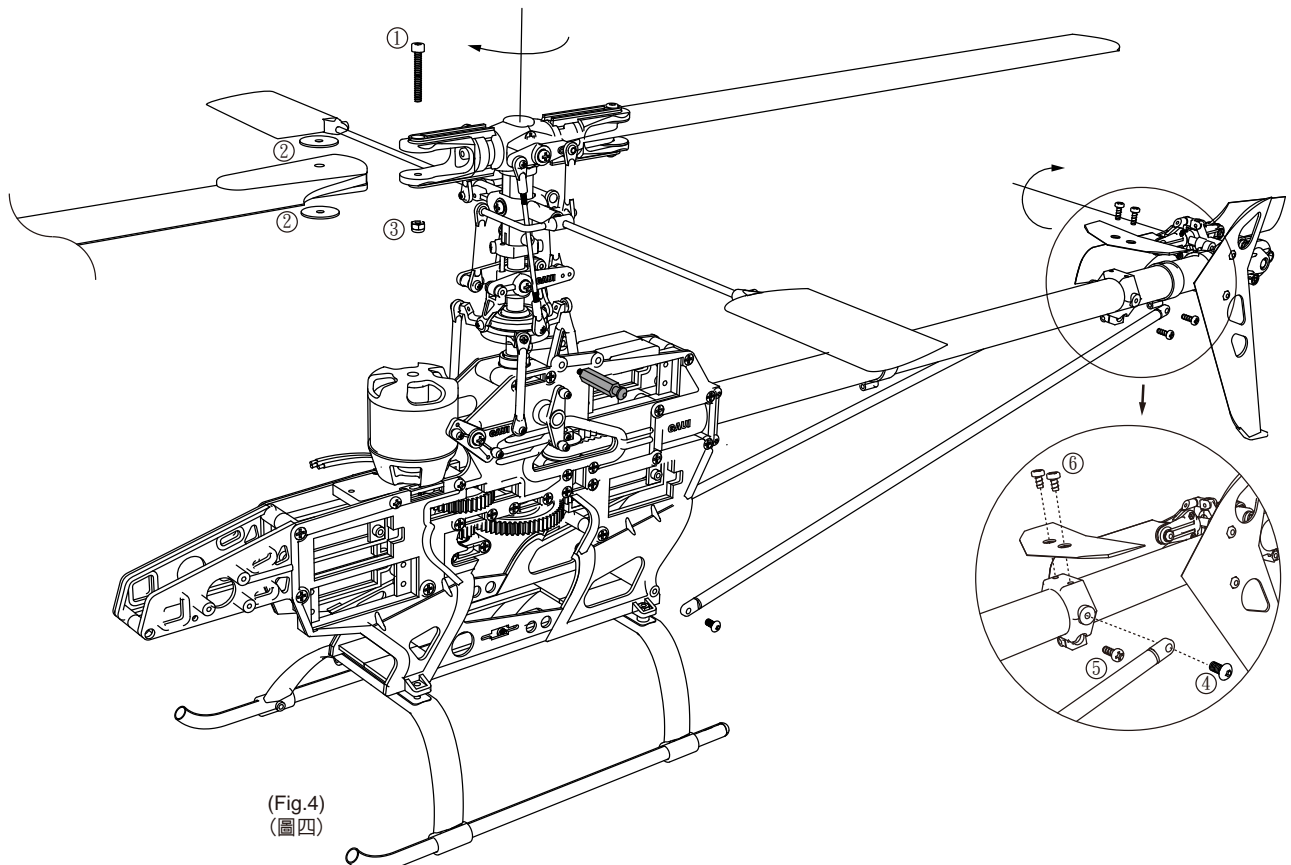


IMPORTANT 請注意

1. Make sure the belt is not winding in tail boom, rotate it 90 degrees clockwise. (Front view) (Fig.1)
檢視皮帶是否平行(不可捲繞)並旋轉90度。(圖一)
2. Loosen the 4 screws and install the tail boom Assembly. (Fig.2)
鬆開尾管夾螺絲並將尾管總成插入機體。(圖二)
3. Hook the belt onto the pulley, set the belt tension properly and retighten the screws. (Fig.3)
皮帶扣上皮帶輪後將尾管往後拉, 調整適當緊度並鎖緊尾管夾螺絲。(圖三)
4. Install the main blades, the tail support pipes and the stabilizer fin, secure the tail support clamp. (Fig.4)
組合主旋翼, 支撐桿及水平尾鏢並將尾管夾鎖緊。(圖四)
5. Assemble the canopy posts onto the frame.
鎖上艙罩支柱。

Front view (Fig.1)
前視圖 (圖一)(Fig.2)
(圖二)(Fig.3)
(圖三)

#A #204557	Tail Supporter Pipe 支撐桿
① M3X22	Machine Screw 公制螺絲
② W3X16X0.8	Washer 華司
③ N3X5.5L	Nut 螺母
④ M3X6	Machine Screw 公制螺絲
⑤ Ø3X8	Self tapping screws 粗牙螺絲
⑥ Ø3X3	Self tapping screws 粗牙螺絲

(Fig.4)
(圖四)

IMPORTANT 請注意

Notic: With the servo at its neutral position, make sure the four control sticks are all in middle position, and the setting of CCPM SWASH AFR are all in 50%.

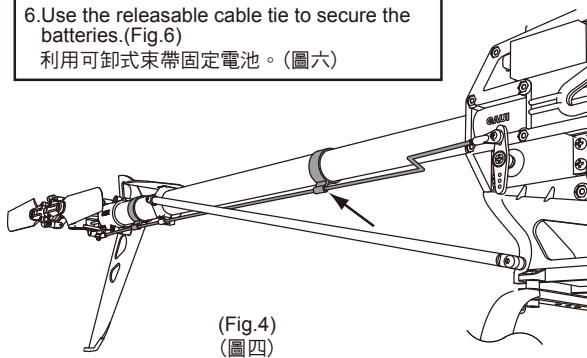
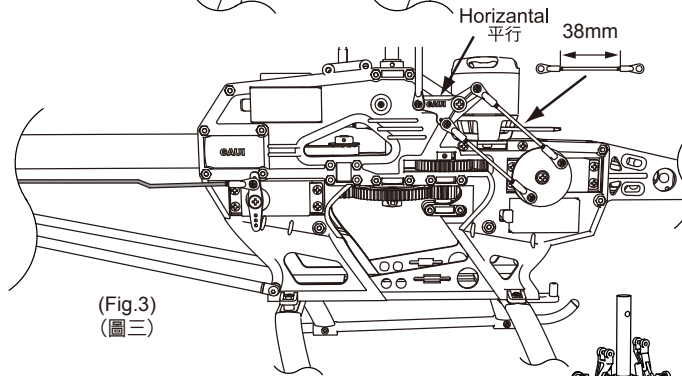
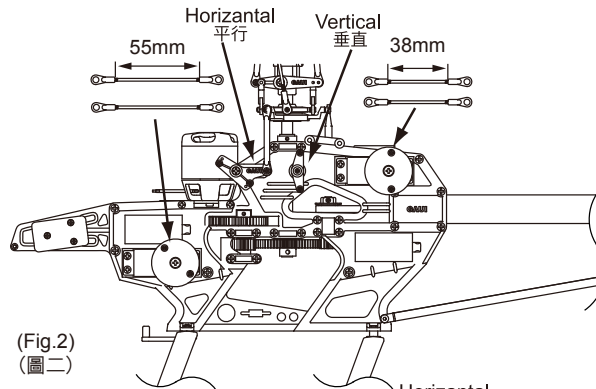
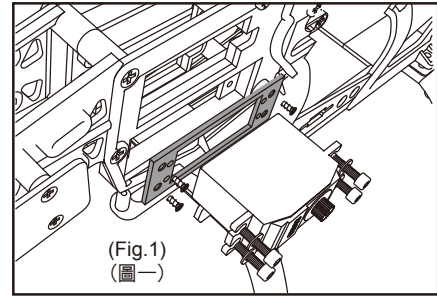
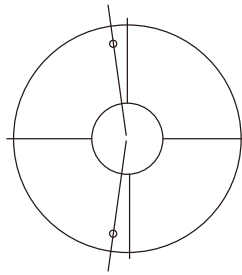
組裝伺服機時，需將搖控器設定為CCPM SWASH AFR都設定為50%並將遙控器開啟(全部保持中立位置)

IMPORTANT 請注意

Drill the holes on servo horn as figure above if using the parts of #204511 and #204514. Use the standard 180 degrees servo horn for the CNC parts #204612 and #204614. (No drilling necessary)

標準版的前舵片及後搖臂舵片有夾角設計為精確控制請自行鑽孔。(金屬舵片則無夾角設計)

1. Install the servo. (#204703 CF servo plates are suitable for small servo 35.5x15mm.) (Fig.1)
先確認伺服機尺寸，標準的可直接鎖上，較小的(35.5X15mm)可利用轉接板來鎖。(圖一)
2. Install the servos and the linkages, the length of the linkage should be set as figure. (Fig.2 & 3)
鎖上伺服機，調整推桿所需長度(每組需相同)再安裝。(圖二~圖三)
3. Install the rudder servo and the tail pushrod as shown in figure. (Fig.3)
鎖上伺服機，校正如前，尾拉桿需穿過尾管夾及拉桿座。(圖三)
4. The tail pushrod should be parallel to the tail boom, use C/A to adhere rudder control guide onto tail boom. (Fig.4)
尾拉桿組裝完成後需調整它呈一直線，無誤後上膠固定於尾管。(圖四)
5. Use the double side tape to Install the gyro, receiver and the ESC as shown in Fig.5. (Make sure not to install the ESC on the receiver battery mount or in the canopy, the overheated ESC will cut off the motor power temporarily during flight.)
利用雙面膠將陀螺儀及接收機及ESC固定於機身如圖五。(勿將ESC安裝在此接收機電池架或置於艙罩內，散熱不良的ESC可能會在飛行中進入保護模式而暫時切斷馬達電源。)
6. Use the releasable cable tie to secure the batteries. (Fig.6)
利用可卸式束帶固定電池。(圖六)

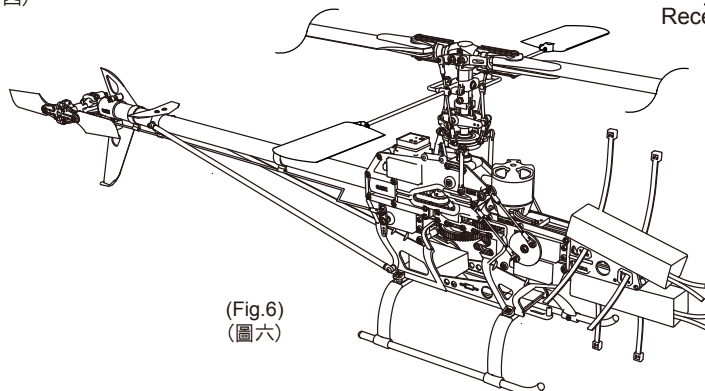
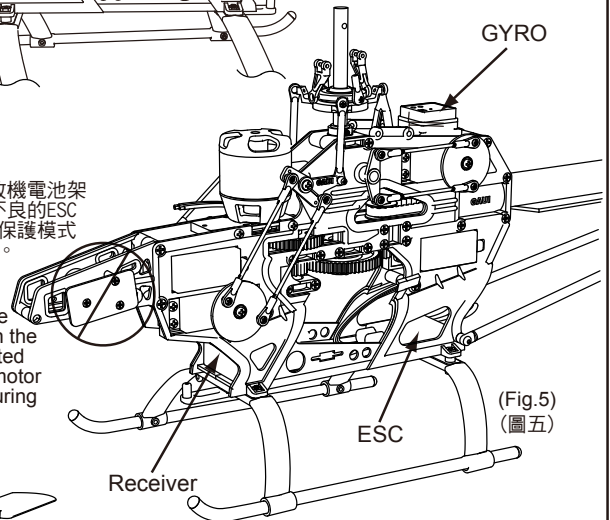


警告:

勿將ESC安裝在此接收機電池架或置於艙罩內，散熱不良的ESC可能會在飛行中進入保護模式而暫時切斷馬達電源。

CAUTION:

The ESC must not be installed here or in the canopy, the overheated ESC will cut off the motor power temporarily during flight.



Initial setting position with 0 pitch degrees

此狀態為遙控器中立點設定 (pitch = 0)

The pushrod should be perpendicular to the mixing level.
此時旋翼搖臂與拉桿成垂直。

The kit come with 50T Front Main Gear / 19T One Way Gear / 61T Rear Main Gear, The BL motor and Pinion gear are optional.

If using the BL-Motor (KV-1400) / 22.2V battery (or 11.1V*2 = 22.2V), the maximum motor speed is around 31080rpm. (1400 * 22.2 = 31080)

With the 14T pinion gear, the gear ratio is (61/19)X(50/14) = 11.47. the maximum head speed is 2710rpm. (31080 / 11.47 = 2710 approx.)

It is recommended to replace the 14T Pinion by 15T for Hard 3D. (The maximum head speed is 2905rpm)

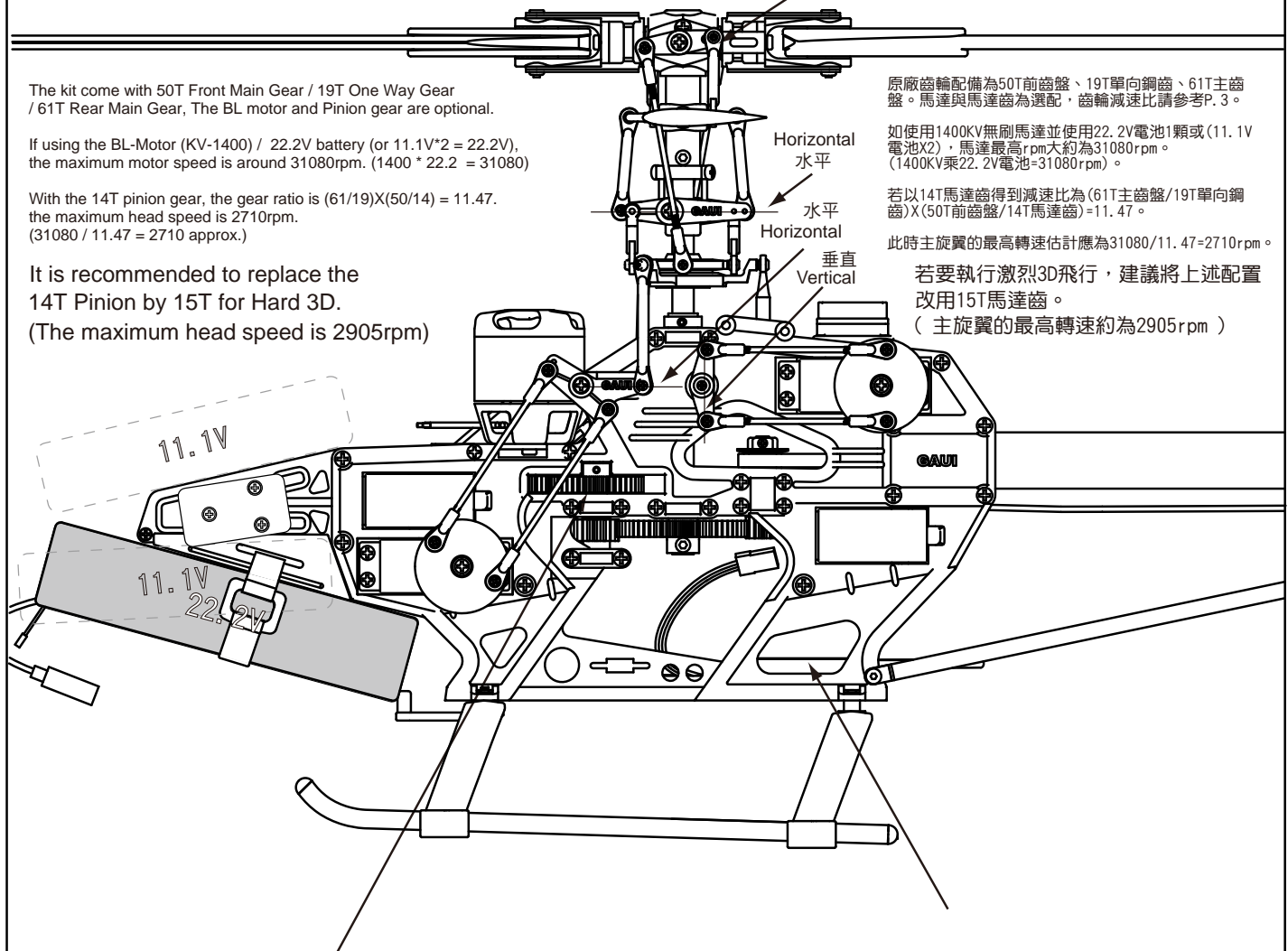
原廠齒輪配備為50T前齒盤、19T單向鋼齒、61T主齒盤。馬達與馬達齒為選配，齒輪減速比請參考P.3。

如使用1400KV無刷馬達並使用22.2V電池1顆或(11.1V電池X2)，馬達最高rpm大約為31080rpm。(1400KV乘22.2V電池=31080rpm)。

若以14T馬達齒得到減速比為(61T主齒盤/19T單向鋼齒)X(50T前齒盤/14T馬達齒)=11.47。

此時主旋翼的最高轉速估計應為31080/11.47=2710rpm。

若要執行激烈3D飛行，建議將上述配置改用15T馬達齒。(主旋翼的最高轉速約為2905rpm)



The 50T gear is fitted for the 1400kv BL motor and the recommended battery, you may change the gear ratio if using the motor with different KV or using the battery with different voltage. (See page 3)

原廠使用之第一段前齒輪為50T，若因使用不同 KV 值的馬達或不同的電壓之電池而需要不同的減速比時，您可參考 P.3 之更換組合。

The standard ESC output current is 60A(25V)with Built-in SBEC

原廠電子變速器規格為25V以下，持續輸出電流為60A(內建可調式SBEC的調速器)。

Initial pitch setting:
螺距設定參考:

Pitch Stick	100%	50%	0%
Normal	8°	3°	-3°
Idle	12°	0°	-12°

IMPORTANT 請注意

The standard tail blades 69mm(#204757) is suitable for the maximum head speed which is more than 2600 RPM.

Use the optional 79mm tail blades(#204755) if the maximum head speed is less than 2600 RPM.

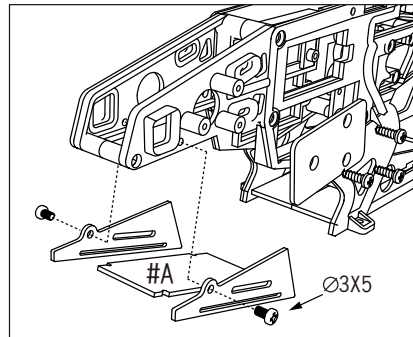
原廠內附69mm尾旋翼片(#204757)適用於主旋翼最高轉速高於2600rpm之配置。

主旋翼最高轉速若設定低於2600rpm，請選用79mm尾旋翼片(#204755)。

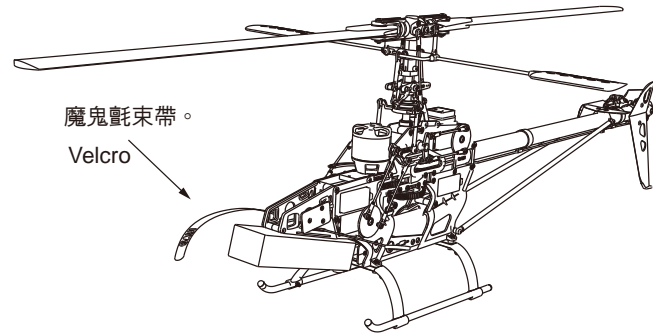
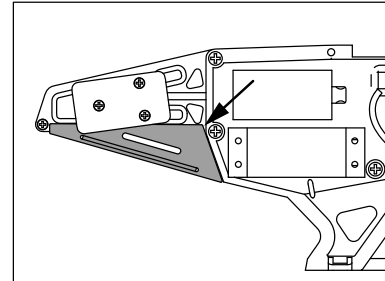
IMPORTANT 請注意

Disassemble the RX Battery mount, assemble the #A mount and use C.A to glue it onto main frame.

Assemble the RX Battery mount and use the Velcro to secure the battery.
請先將接收機電池架卸下，並將#A電池架組裝完成再將接收機電池架鎖回並將機身與#A電池架接合處上膠。
利用魔鬼氈束帶穿過電池架固定電池。



Use C.A to glue it onto main frame.
請在電池架與機身接合處上膠。



IMPORTANT 請注意

The edge of the left half of canopy is raised, and the edge of the right half of canopy is concave.
(Fig 1)

黏合艙罩泡殼時請先注意。(圖一)
泡殼左邊邊緣外凸緣，
泡殼右邊邊緣內凹緣，

1. Cut the right half of canopy and there should be a 2mm concave edge as shown in fig.2.

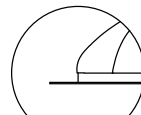
1. 請沿右艙罩邊緣剪下並留下右艙罩邊緣內凹緣約2mm。(圖二)

2. Cut off the right half of canopy and make sure to cut off the raised edge as shown in fig.3.

2. 請沿著左艙罩外凸緣與艙罩的相接處將外凸緣小心剪下。(圖三)

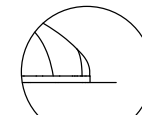
3. Use C.A. to glue both halves by the order 1 to 4. Install the dampers.

3. 請將左艙罩嵌合至右艙罩凹緣處並由尖頭處依順序以瞬間膠小心黏合，黏合完成後再修整不平整處。在將艙罩橡皮環裝上(圖四)



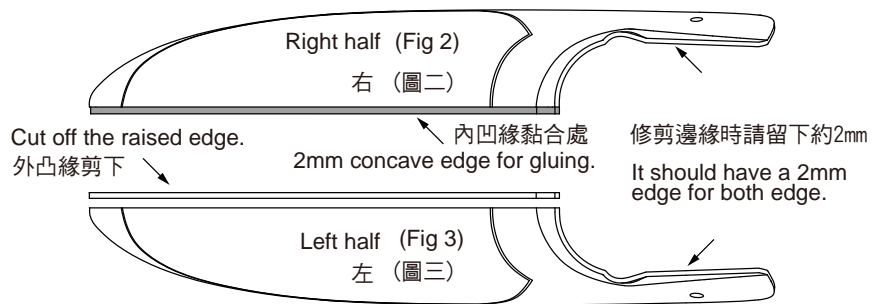
泡殼右邊邊緣內凹

The edge of the Right half is raised.



泡殼左邊邊緣外凸

The edge of the Left half is concave.



Cut off the raised edge.
外凸緣剪下

Right half (Fig 2)

右 (圖二)

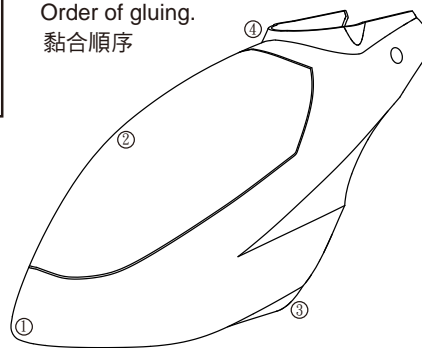
內凹緣黏合處
2mm concave edge for gluing.

修剪邊緣時請留下約2mm
It should have a 2mm edge for both edge.

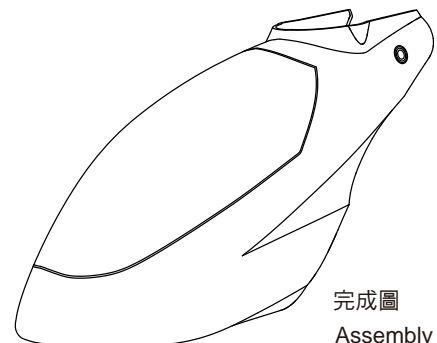
Left half (Fig 3)

左 (圖三)

Order of gluing.
黏合順序



(圖四) (Fig 4)



完成圖
Assembly

204010	Main Frame Set	機體
204021	Front Main Gear(42T)	42T齒輪
204022	Rear Main Gear(61T)	61T齒輪
204041	Seesaw	平衡桿座
204042	Flybar	平衡桿
204051	Washout Base	剪形臂滑座
204123	Tail Output Shaft	尾軸
204124	Tail Output Shaft with Pulley	尾軸附皮帶輪組
204141	Tail Pitch Slider Bush	尾軸滑套
204188	Brace Set	支撐架組
204189	Skid Set	滑橇組
204201	Tail Control Rod(for 425 Tail Boom)	尾舵拉桿(425尾管用)
204351	B. Washer Pack(W3.1x4.6x0.6)	軸承華司(W3.1x4.6x0.6)
204504	(GUEC GM-504)Brushless Motor(1680W-kv1400)	(GUEC GM-504)無刷馬達(1680W-kv1400)
204511	ESC Mount	電變架
204512	Pitch & Roll Arm Set	前搖臂
204513	Elevator Arm (F & R) Set	後搖臂
204514	Elevator Lever	後搖臂舵片
204521	Front Gear Hub Set	前齒輪殼
204522	Rear Gear Hub Set	主齒輪殼
204523	Pulley Shaft with 14T Brass Gear	皮帶齒軸附14T銅齒
204524	Front Pulley Set	前皮帶輪
204528	Main Rotor Yoke Set	旋翼頭
204529	Main Grip Set	主旋翼夾頭
204530	Head Spacer & Damper Set	橫軸橡皮墊
204531	Spindle Shafts Pack	橫軸
204532	Mixing Lever Set	旋翼搖臂
204533	Flybar Arms Set	L臂
204535	Washout Guide Assembly	定位器
204536	Main Masts Pack(8mm)	主軸(8mm)
204537	Washout Arm Assembly	剪形臂
204538	Double Link(L-30)	L-30拉桿
204539	Double Link(L-35)	L-35拉桿
204540	Double Link(L-45)	L-45拉桿
204541	Adjust Rods Pack	拉桿組
204542	Ball Links Pack	拉桿頭
204543	Ball with Stand(4.8mm)	4.8球頭
204544	CNC Swash Plate Assembly	金屬十字盤
204545	Mast Collar Set	主軸輪擋
204546	Tail Gear Case Set	尾殼
204547	Tail Pulley Set	尾皮帶齒
204548	Guide Wheel Assembly	導輪
204549	Fin & Stabilizer Set	尾翼
204550	Tail Grips Set	尾旋翼夾片
204552	Tail Pitch Slider Set	螃蟹夾
204553	Tail Pitch Control Lever Set	尾舵角片
204555	Tail Support Clamp	尾管夾
204556	Rudder Control Guide	拉桿座
204557	Tail Supporter Pipe	支撐桿
204560	B. Pack(3x6x2.5)x4	軸承(3x6x2.5)x4
204561	B. Pack(3x8x4)x4	軸承(3x8x4)x4
204562	B. Pack(4x7x2.5)x2	軸承(4x7x2.5)x2
204563	B. Pack(5x11x4)x4	軸承(5x11x4)x4
204564	B. Pack(6x10x3)x2	軸承(6x10x3)x2
204565	B. Pack(5x13x4)x4	軸承(5x13x4)x4
204566	B. Pack(8x16x5)x2	軸承(8x16x5)x2
204567	Thrust B. Pack(5x10x4)x2	止推軸承(5x10x4)x2
204568	Socket Head Button Screw - Black (Semi)10pcs	半圓頭內六角螺絲包-黑色(M3x10)x10個(半牙)
204569	M3 Socket Countersunk Screws Pack	內六角皿頭螺絲包(M3)
204570	Bolts Pack(M2x8.4)x20	螺絲(M2x8.4)x20
204571	Self Taping Screw(2x8)x20pcs	自攻螺絲(2x8)x20
204573	Nut (N3x5.5)x20	螺帽---(N3x5.5)x20
204574	Nylon Lock Nut (N3x5.5L)x20	止滑螺帽---(N3x5.5L)x20
204576	8mm Steel One Way Gear Ass'y(19T)	8mm單向齒輪(19T)

204577	Pulley Shaft with Steel Gear(14T)	皮帶齒軸附鋼齒(14T)
204578	B. with washer (8x12x3.5)x2	軸承(8x12x3.5)x2(附墊片)
204580	Skid Damper Rubber	橡膠減震腳墊
204581	Motor Mount Set(with B.)	馬達座(附軸承)
204582	8mm New One Way Gear Shaft Set(L43)	8mm 新單向軸(L43)
204583	8mm Steel One Way Gear Ass'y(20T)	8mm單向齒輪(20T)
204584	Pulley Shaft with Steel Gear(15T)	皮帶齒軸附鋼齒(15T)
204587	Ball B. Pack (6x13x3.5)x4	軸承(6x13x3.5)x4
204588	Ball B. Pack (6x13x5)x4	軸承(6x13x5)x4
204589	Thrust B. (T6x12x4.5)x2	止推軸承包(T6x12x4.5)x2
204602	GUEC GE-602)ESC 66A with built-in SBEC	(GUEC GE-602)電子變速器 66A (內建SBEC)
204612	CNC Pitch & Roll Arm Set	CNC 前搖臂組
204613	Body Retainers Pack(for H425&550 Class)	艙罩支柱(適用颶風425&550級)
204614	CNC Elevator Lever	CNC後搖臂舵片
204615	Spindle Spacer & Screw Set	橫軸螺絲及墊片
204620	Center Hub	旋翼頭鋁柱
204621	Front Main Gear(50T)	50T齒輪
204622	Front Main Gear(60T)	60T齒輪
204628	CNC Main Rotor Yoke Set	CNC旋翼頭組
204629	CNC Main Grip Set	CNC旋翼夾頭組
204630	CNC Main Grip Lever Set	CNC旋翼夾頭舵柄
204631	3mm Blade Bolt Set with Spacers(for 4mm grip hole)	3mm主旋翼螺絲附襯套(適用4mm旋翼夾孔)
204632	CNC Mixing Lever Set	CNC旋翼搖臂組
204633	FES X4 CNC Main Rotor Yoke Set (Black anodized)	X4 FES CNC 主旋翼頭(電鍍黑)
204635	CNC Washout Guide Assembly	CNC定位器
204636	X4 CNC Main Grip Set (Black anodized)	X4 CNC主旋翼夾頭(電鍍黑)
204637	CNC Washout Arm Assembly	CNC剪形臂組
204638	X4 FES Washout Arm Assembly (Black anodized)	X4 FES剪型臂組(電鍍黑)
204639	Tail Pitch Slider Set	螃蟹夾
204640	CNC Tail Pitch Slider Set(for 5mm tail output shaft)	CNC螃蟹夾組(5mm尾軸用)
204641	CNC Seesaw Set	CNC平衡桿座
204643	CNC Tail Belt Unit(for H425~H550)	CNC尾皮帶齒箱組(H425-H550用)
204650	CNC Tail Rotor Grips with Thrust B.(for 5mm tail output shaft)	CNC尾旋翼夾頭附止推軸承(5mm尾軸用)
204651	New Tail Hub Set (for 5mm tail output shaft)	新尾旋翼頭(5mm尾軸用)
204655	CNC Tail Pushrod Conversion(for H425~H550)	尾拉桿轉接座(H425-H550用)
204671	FES X4 CNC Main Grip Levers (Black anodized)	X4 FES主旋翼舵柄組(電鍍黑)
204672	X4 Spindle Shafts	X4 橫軸
204673	FES X4 Main Masts (8mm)	X4 FES主軸組(8mm)
204674	Main Blade Linkage Rod (2x31mm)x4	不鏽鋼連桿組(2x31mm)x4
204675	CNC Stop Plate	CNC煞車盤
204676	CNC Main Rotor Yoke	CNC旋翼頭
204677	CNC Swashplate Guide	CNC十字盤滑軌
204678	CNC Washout Base	CNC剪形臂座
204679	CNC Stabilizer Control Set	CNC平衡翼控制組
204680	CNC Main Rotor Head Ass'y (with Swashplate & Guide)	CNC 旋翼頭總成(附十字盤及滑軌)
204685	X4 FES 2Blade Rotor Head Ass'y(for 8mm Mast)	X4 FES 兩槳旋翼頭總成(8mm主軸用)
204698	CNC Mount for Pitch & Roll Arm	CNC 前搖臂座
204703	Fiber Servo Plates(37x18.8mm)	黑纖伺服機轉接板組(37x18.8mm)
204715	X4 Washer Pack	X4 墊片包
204716	Socket Head Cap Screw - Black (M4x10)x10pcs	內六角螺絲包-黑色(M4x10)x10個
204717	Semi-threaded Socket Head Cap Screw - Black (M3x16)x10pcs	半牙內六角螺絲包-黑色(M3x16)x10個
204718	Socket Head Cap Screw - Black (M3x22)x10pcs	內六角螺絲包-黑色(M3x22)x10個
204721	Tail Rotor Grips with Thrust B.(for 5mm tail output shaft)	尾旋翼夾頭附止推軸承(5mm尾軸用)
204734	Light-Weight Flybar Paddles Set	輕量化平衡翼
204737	Damper rubber (Hardness 75)	橫軸橡皮墊(硬度75)
204738	Damper rubber (Hardness 95)	橫軸橡皮墊(硬度95)
204739	High Performance CF Stabilizer Blades Pack(66x40 mm)	高性能碳纖平衡翼(66x40 mm)
204740	H425 CF Tail Rotor Blade Set(77mm)	颶風 425碳纖尾旋翼(77mm)
204754	Light-weight Tail Rotor Blade Set	輕量化尾旋翼
204755	H425 Tail Rotor Blade Set(79mm)	颶風 425尾旋翼(79mm)
204756	H425 Flybar Paddles Set	颶風 425平衡翼
204757	H425 Tail Rotor Blade Set(70mm)	颶風 425尾旋翼(70mm)
204785	H425~H550 Class Fiber Battery Mount(for Plastic plates)	颶風425~550級電池座組(適用於塑膠版)
204800	Thread Rod for CCPM(2x23.5mm) x3pcs	CCPM螺桿組(2x23.5mm) x3pcs

Hurricane 425

TSHobby GAUI

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