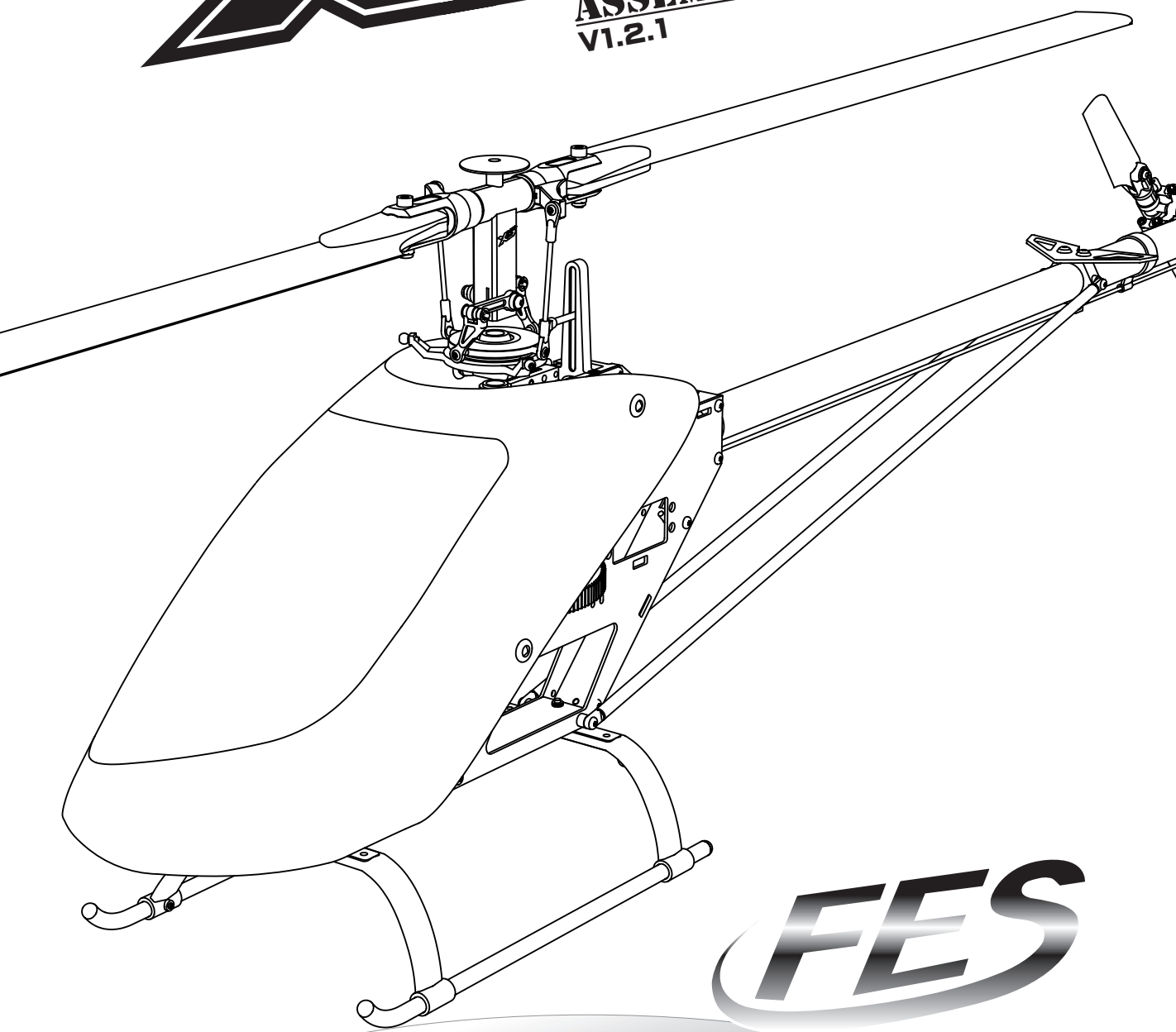
GAUI

XL

ASSEMBLY INSTRUCTION

V1.2.1



FES

Recommendation:
We highly suggest using the latest version of the Assembly Instruction Manual.
To download the latest version, please visit the Official TSH GAUI web site: www.gaui.com.tw
取得最新的手冊：
我們非常建議您取得最新版本的手冊。
請到泰世網站下載最新的手冊，並且取代目前的手冊。

gaui@gaui.com.tw

Index 目錄

1	Preface 前言	6	General Maintenance 保養建議
2	Academy of Model Aeronautics (AMA)	7	Notices on replacing parts 一般拆卸說明
3	Packing List. Tools and Equipment for Assembly 內容物清單，自備工具	8	Exploded Views 機體分解圖&零件表
4	Assembly Notice, gear ratio, fuselage assembly. 組裝說明，齒輪比，機體組裝	9	General Parts List 一般零件表
5	Pre-flight Check 飛行前檢查		

1 Preface 前言 P.1 ~ P.2

2 Academy of Model Aeronautics (AMA) P.3

3 Basic Packing List 內容物清單 P.4

Tools and Equipment for Assembly 自備工具清單 P.5

4 Symbols for Assembly Notices 組裝代號說明
Specification / Gear Ratio 產品規格 / 齒輪轉速比 P.6

Fuselage Assembly 機身組立
Landing Sledges Assembly 機身腳架組立 P.7

Fuselage Plates Assembly 機身強化板組立
Main Axis Assembly 機身主軸組立 P.8

Servos Assembly 伺服器安裝 P.9

Motor Assembly - 1 馬達組立 - 1
Motor Assembly - 2 馬達組立 - 2 P.10

Assembling Mixing Arms 剪型臂組裝
Control Linkages Assembly 拉桿配置與調整 P.11

Tail Rotor Assembly 尾旋翼總成組立
Adjust Gear Mesh and Tail Fin Assembly 齒隙調整與水平翼組裝 P.12

Servo Horns Assembly 伺服機舵片組裝
Swashplate Guide and Main Blades Assembly 滑軌座與主旋翼組裝 P.13

Checking Servo Travel Direction 伺服機做動方向確認 P.14

Throttle Curve and Pitch Curve 螺距與油門曲線設定
Setting Pitch 螺距調整與設定 P.15

5 Preflight Check 飛行前檢查 P.16

6 After Flight Check 飛行後檢查
Thorough Maintenance 深度保養 P.17

7 Unpacking and Replacing Main Axis 主軸拆卸說明
Unpacking Main Gear 主齒盤拆卸說明 P.18

Disassembling Main Rotors 主旋翼夾頭拆卸說明
Disassembling front end of tail shaft 前傳動拆卸說明 P.19

Disassembling Tail Gear Box 尾齒箱拆卸說明
Disassembling Tail Rotors 尾旋翼拆卸說明 P.20

8 Exploded View of Main Rotor head 主旋翼頭分解圖 P.21

Parts List of Main Rotor Head 主旋翼頭分解圖零件表 P.22

Exploded View of Swashplate and Main Gear 十字盤&主齒盤分解圖. 零件表 P.23

Exploded View of Fuselage 機體分解圖 P.24

Parts List of Fuselage 機體分解圖零件表 P.25

Exploded View of Tail Rotor 尾旋翼分解圖 P.26

Parts List of Tail Rotor 尾旋翼分解圖零件表 P.27

9 General Parts List 一般零件表 P.28

Thank you for purchasing **GAUI** X5 High Performance RC Helicopter from Tai Shih Hobby Corporation (TSH). We hope you will enjoy the joy of flight.

威謝您購買泰世科技出品的 GAUI X5高性能遙控直升機，我們希望您可以盡情享受飛行的樂趣。

In order to understand full assembly sequences, this instruction manual show the assembly information of this model, even though some elements are supplied as pre-assembled. Please refer to it when carrying out maintenance or replacing parts.

為了要讓使用者詳細瞭解組裝順序，即使有些部件已經預先組裝完成，
本說明書將提供這台遙控模型的組裝資訊。同時，敬請參閱保養與主要零件更換資訊。

CAUTION: This radio controlled helicopter is not a toy.
警告：這台遙控直升機不是玩具。

SAFETY PRECAUTIONS

This kit includes some preassembled components. Please check for any loose screws and tighten them before you proceed with assembly.
You are responsible for assembly, safe operation, maintenance, inspection and adjustment of the model.
Before beginning assembly, please read these instructions thoroughly.
Check all parts. If you find any defective or missing parts, contact your local dealer or **GAUI** TSH distributor.
Before you proceed to RC helicopter activity, please check and follow thoroughly related regulation of aero modeling in your country/region.

安全資訊與注意事項

這台遙控模型包含預先組合完成的部件。
在進行組裝之前，請仔細檢查這些預先組裝部件上的所有螺絲均有仔細鎖緊。
您有完全的責任對於這台遙控模型的組裝，安全操作，保養，檢查與調整。
請先檢查所有的零件，如果發現任何不良品，遺失品，請向模型店或是當地的泰世代理商連絡。
在您進行遙控直升機活動時，請先詳細瞭解與遵守當地遙控模型的相關法規。

1

LIABILITY DISCLAIMER

This product is for a radio controlled (RC) helicopter.
Improper operation, maintenance or assembly can potentially cause a RC helicopter to pose a danger to persons or objects including but not limited to the possibility of causing serious physical injury and even death.
Moving components can present a hazard to operators, and anyone or anything that could be in the flying area of the RC helicopter.
Under no circumstance should a minor be allowed to operate this RC helicopter without the approval, monitor and direction of his parent or legal guardian who takes full responsibility for all of the minor's actions.
This product is intended for being operated by experienced mature radio control helicopter pilots under controlled safety conditions and on locations properly authorized and setup for safe flying and away from other people.
Do not operate an RC helicopter within the vicinity of residences, trees, electrical power lines during inclement weather or near crowds of people.
The manufacturer and/or its distributors assume no responsibility or liability whatsoever for any damages including but not limited to ones generated by incidental or consequential damages.
The operator of the helicopter assumes all responsibility and liability that results from the correct or incorrect operation of the helicopter.
After leaving its facilities, the manufacturer has no way of maintaining control or monitor over the assembly, maintenance and/or operation of the helicopter.

免責聲明

這個產品是無線遙控的直升機。
不當的操作，保養或是組裝有可能導致遙控直升機對於人身或是物品造成危險。
包括，但是不局限於對於人體產生嚴重傷害甚至死亡的可能性。
所有的移動部件可能對於操作的使用者，旁人或是這台遙控直升機飛行場的任何人或物品產生傷害。
未成年的人如果要操作這台遙控直升機需要父母或是監護人的同意，並在監督與指導下才能進行操作並遠離周遭障礙物及人群等，其父母或是監護人需負起所有責任與法律責任。
以下場合與情況禁止操作遙控直升機：居家房屋附近、天候不佳時、非空曠區域、樹木、電線竿等場合或是人群附近。
製造廠商與其經銷商都不對於所有的傷害，包含但是不局限於偶然或是連續發生的傷害負擔任何責任。
本產品的使用者要對於正確地或是不正確地操作的結果需負擔所有責任與法律責任。
本產品一但離開製造廠商的控制範圍外，製造廠商無法對於下列事項保持監督與控管：
組裝，保養，維修與操作這台遙控直升機。

For United States market, The Academy of Model Aeronautics (AMA) is a national organization representing modelers in the United States.
Please refer the National Model Aircraft safety code from Academy of Model Aeronautics. And we've partially reprinted rules that are especially pertinent for radio controlled flight as below:

RADIO CONTROL

1. All pilots shall avoid flying models over unprotected people.
2. I will complete a successful radio equipment ground-range check in accordance with the manufacturer's recommendations before the first flight of a new or repaired aircraft.
3. At all flying sites a safety line or lines must be established, in front of which all flying takes place. Only personnel associated with flying the model aircraft are allowed at or in front of the safety line.
   In the case of air shows or demonstrations a straight safety line must be established.
   An area away from the safety line must be maintained for spectators.
   Intentional flying behind the safety line is prohibited. (See AMA Document #706 for Recommended Field Layout.)
4. I will operate my model aircraft using only radio-control frequencies currently allowed by the Federal Communications Commission (FCC).
   Only individuals properly licensed by the FCC are authorized to operate equipment on Amateur Band frequencies.
5. I will not knowingly operate my model aircraft within three (3) miles of any preexisting flying site without a frequency-management agreement.
   (See AMA Document #922 for Testing for RF Interference. See AMA Document #923 for Frequency Management Agreement.)
6. With the exception of events flown under official AMA Competition Regulations rules, excluding takeoff and landing, no powered model may be flown outdoors closer than 25 feet to any individual, except for the pilot and the pilot's helper(s) located at the flight line.
7. Under no circumstances may a pilot or other person touch a model aircraft in flight while it is still under power, except to divert it from striking an individual. This does not apply to model aircraft flown indoors.
8. Radio-controlled night flying requires a lighting system that provides the pilot with a clear view of the model's attitude and orientation at all times.
9. The operator of a radio-controlled model aircraft shall control it during the entire flight, maintaining visual contact without enhancement other than by corrective lenses that are prescribed for the pilot. First-Person View (FPV) flying may only be conducted in accordance with the procedures outlined in AMA Document #550.

These special codes and appropriate documents may be obtained either from the AMA Web site at www.modelaircraft.org or by contacting AMA headquarter.

Academy of Model Aeronautics
5151 East Memorial Drive
Muncie, IN 47302
Phone (800) 435-9262
Fax (765) 741-0057

Basic Packing List F201001

- ○ FES X5 CNC Main Rotor Yoke Set FES旋翼頭總成
- ○ FES X5 CNC Washout Arm Assembly FES剪型臂組
- ○ Main Gears set 主齒盤組
- ○ X5 CNC Swashplate 十字盤組
- ○ CNC Swashplate Guide CNC十字盤滑軌
- ○ FES X5 Main Masts FES 主軸

CANOPY / FRAME ASSEMBLY F201002

- ○ X5 CF Frame (Right)x1(Left)x1pcs X5 碳纖機身側板(右)x1(左)x1個
- ○ High Performance CF Stabilizer Blades Pack (66x40 mm)x1pcs 高性能碳纖平衡翼(66x40 mm)x1個
- ○ X5 CNC Lower Servo Mount (Silver anodized)x1pcs X5 CNC下伺服機座x1個
- ○ 3mm thread hole (5x5x23.5mm)x3pcs 方鋁柱附3mm牙孔(5x5x23.5mm)x3個
- ○ Canopy Damper x2pcs P3x6x4 x2pcs 艙罩墊圈x2.P3x6x4 x2個 P3x6x4 x2個
- ○ X5 FRP Painted Canopy x1pcs X5 玻纖彩繪噴漆座艙組x1個
- ○ Socket Head Button Screw - Black(M3x6)x30pcs (M3x4)x2pcs(M3x10)x1pcs(M3x14)x2pcs(M3x18)x2pcs 半圓頭內六角螺絲包-黑色 (M3x6)x30個(M3x4)x2個(M3x10)x1個(M3x14)x2個(M3x18)x2個
- ○ Socket Head Button Self Taping Screws - Black (3x8)x2 半圓頭內六角自攻牙螺絲包-黑色(3x8)x2個
- ○ X5 Stiffening Plates and Mounts for electronics x1pcs X5 碳纖陀螺儀座及電池座及強化板組x1個
- ○ X5 CNC Upper Servo Mount (Silver anodized)x1pcs X5 CNC上伺服機座x1個
- ○ 3mm middle hole (5x5x23.5mm)x4pcs 方鋁柱附3mm貫穿孔(5x5x23.5mm)x4個
- ○ Round Post (3x4.8x23mm)x1pcs 圓鋁柱(3x4.8x23mm)x1個
- ○ Semi-threaded Socket Head Cap Screw - Black (M3x16)x2pcs 半牙內六角螺絲包-黑色(M3x16)x2個
- ○ X5 Canopy Posts(39.5mm)x2 (42.5mm)x2pcs X5 CNC艙罩支柱(39.5mm)x2(42.5mm)x2個 Socket Set Screw (M3x12)x4pcs 內六角止付螺絲包-黑色(M3x12)x4個
- ○ Socket Set Screw (M3x3)x4pcs 內六角止付螺絲包-黑色(M3x3)x4個
- ○ Socket Countersunk Screw - Black (M3x6)x6pcs 內六角皿頭螺絲包-黑色(M3x6)x6個

CANOPY / FRAME ASSEMBLY F201003

- ○ X5 Skid Set (Silver anodized) X5 滑橇組(亮銀)
- ○ X5 Brace Set X5 支撐架組
- ○ Drawstring x5 pcs 小束帶 x5 個
- ○ Blade Support x1 pcs 主翼支撐墊x1 個
- ○ Socket Head Cap Screw - Black (M2x8)x2 pcs (M2x12)x2 pcs 內六角螺絲包-黑色(M2x8)x2 個 (M2x12)x2 個
- ○ Skid Damper Rubber x4 pcs 橡膠減震腳墊 x4 個
- ○ Socket Head Cap Screw - Black (M2.6x10)x16 pcs 內六角螺絲包-黑色(M2.6x10)x16 個
- ○ Linkage Rod (50mm)x3 pcs (23.5mm)x3 pcs 拉桿(50mm) x3 個 (23.5mm)x3 個
- ○ Cable Tie with Touch Fastener 1x20cm x3 pcs 魔術束帶 1x20cm x3 個
- ○ Reusable Cable Tie x1 pcs 可退式束帶 x1 個
- ○ Cable Tie with Touch Fastener 20x285cm x2 pcs 魔術束帶20mmx285mm x2 個
- ○ Touch Fastener x1 Set 魔鬼氈(公母) x1 組
- ○ Servo Horn x3 pcs 伺服機舵片x3 個
- ○ X5 Caonpy Plate x2 pcs. X5 Servo Mounting Plate x6 pcs X5 艙罩固定片x2 個 X5伺服機固定片 x6 個
- ○ Ball Links Pack (4.8mm)x14 pcs 拉桿頭(4.8mm)x14 個

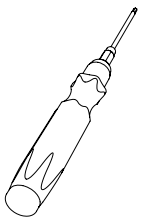
TAIL BOOM ASSEMBLY MAIN BLADES F201004~5

- ○ Torque tube tail pack x1 set 尾管總成 x1 組
- ○ Tail Pitch Control Lever Set x1 set 舵角片組 x1 組
- ○ X5 Tail Supporter Pipes x1 set X5 CNC支撐桿 x1 組
- ○ CF main blades (500L-CFA) x1 set 碳纖槳 500L(CFA) x1 組
- ○ Socket Head Button Screw - Black(M3x6)x2pcs.(M3x10)x2 pcs 半圓頭內六角螺絲包-黑色(M3x6)x2個(M3x10)x2 個
- ○ Hose x1 pcs 天線軟管 x1 個
- ○ Tail Hub and Grip Assembly x1 set 尾旋翼總成 x1 組
- ○ Tail Rotor Blade Set x1 set 尾旋翼 x1 組
- ○ W3.1x5.5x1.1 x2 pcs W3.1x5.5x1.1 x1 pcs
- ○ X5 Fin and Tail x1 set X5 碳纖尾翼組 x1 組
- ○ Countsunk Washers (3x8x2)x4 pcs 沉頭墊片組(3x8x2)x4 個

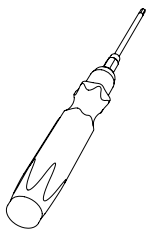
ELECTRONIC GEAR F201006

- ○ (GUEC GM-601) Brushless Motor (1820W-kv910) x1 pcs (GUEC GM-601)無刷馬達(1820W-kv910) x1 個
- ○ X5 Steel Pinion Gear Pack (16T- for 5.0mm shaft) x1 pcs X5 鋼製馬達齒16T(孔徑5.0mm) x1 個
- ○ Socket Countersunk Screw - Black (M3x6) x2 pcs (M3x4)x2pcs(M3x10)x1pcs(M3x14)x2pcs(M3x18) x2 個
- ○ (GUEC GE-610)ESC 100A with built-in SBEC x1 pcs (GUEC GE-610)電子變速器 100A (內建SBEC) x1 個
- ○ Socket Head Cap Screw - Black (M3x6)x6pcs.(M3x10) x2 pcs 內六角螺絲包-黑色(M3x6)x6個(M3x10) x2 個
- ○ Socket Set Screw (M3x3)x2pcs 內六角止付螺絲包-黑色(M3x3) x2 個

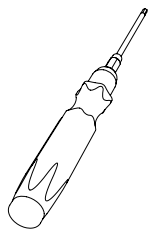
This packing list is for reference only. Actual packing list will be exactly as in box. 本內容物清單僅供參考。實際內容物請依實體裝箱為主。



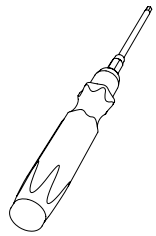
2.0mm Hexagon Screw Driver
2.0mm 六角螺絲起子



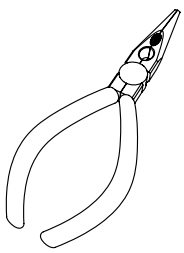
3.0mm Hexagon Screw Driver
3.0mm 六角螺絲起子



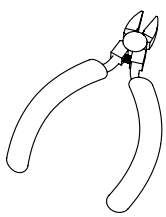
2.5mm Hexagon Screw Driver
2.5mm 六角螺絲起子



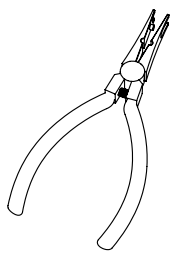
3.5mm Hexagon Screw Driver
3.5mm 六角螺絲起子



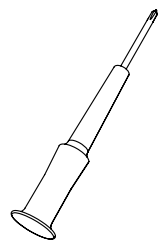
Needle-nosed pliers
尖嘴鉗



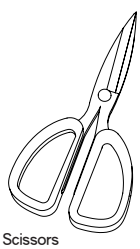
Diagonal cutting plier
斜口鉗



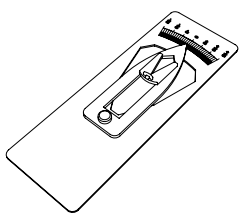
Ball Link Plier
拔豆鉗



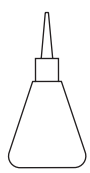
Philips Screw Driver
十字螺絲起子



Scissors
剪刀



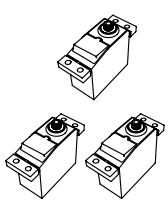
Dial Pitch Gauge
主旋翼螺距規



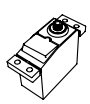
CA
瞬間膠



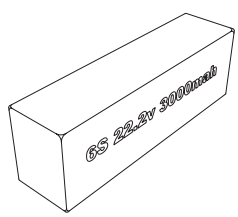
Thread Lock
螺絲止鬆劑



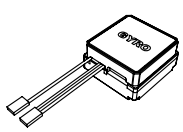
CCPM Servo x3pcs
CCPM伺服機x3個



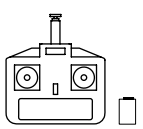
Tail Specialized Servo x1pcs
尾舵伺服機x1個



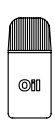
Battery 6S 22.2v 3000mah
鋰聚電池6S 22.2v 3000mah



GYRO
陀螺儀



Transmitter (6-channel or more, helicoper system)
六動以上接收機&發射機



Lubricant
潤滑油

Apply general thread lock.
To tight screw and apply thread lock.
一般型止鬆劑
鎖緊螺絲並確認上膠

Apply special thread lock.
To tight screw and apply thread lock.
特殊型止鬆劑
鎖緊螺絲並確認上膠

Attention: Pay attention, care should be taken during assembly.
注 意: 組裝過程中請注意並小心安裝。

Apply general thread lock.
Be certain to tight screw and apply thread lock.
一般型止鬆劑
務必鎖緊螺絲並確認上膠

Apply special thread lock.
Be certain to tight screw and apply thread lock.
特殊型止鬆劑
務必鎖緊螺絲並確認上膠

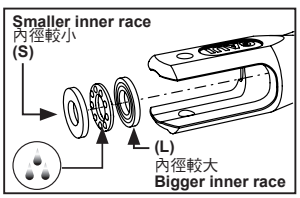
Extreme attention:
More attention should be taken during assembly.
Double check after assembly.
非 常 注 意 : 組裝過程中請非常注意並小心安裝及再確認組裝無誤。

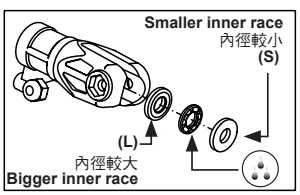
Apply CA glue
使用瞬間黏著劑

Apply lubricant
依個人需求使用潤滑油。

Danger:
High level of attention should be taken during assembly.
Action during assembly might be hazardous.
Extreme care should be taken to avoid injury.
危 險: 組裝過程中請小心安裝並注意此危險程度可能造成安全性漏洞導致人為傷害。

Apply special thread lock
使用特殊型止鬆劑。





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

Make sure to assemble the parts as shown in figure above. Incomplete or incorrect assembly may cause 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。

Gear Ratio 齒輪傳動比: 8 : 1 : 4.07 (E.M.T)	Main rotor speed 2525 rpm Tail rotor speed 10960 rpm
Overall Length (with Canopy):1000Specifications	機身長度(含艙罩):1000 mm
Main Rotor Diameter:1120mm	主旋翼迴轉直徑:1120 mm
Main rotor blades:500 ~ 530mm	主旋翼長度:500 ~530mm
Overall Height:323mm	機身高度:323 mm
Overall Width:165mm	機身寬度:165 mm
Tail Blade Length:82mm	尾旋翼葉片長度:82 mm
Tail Rotor Diameter:230mm	尾旋翼迴轉直徑:230 mm
Flying duration: 4~5 minutes	飛行時間:4~5分鐘
Power System(Recommanded): ***Motor -- 910KV*** ***ESC 100A ESC*** ***6S1P(22.2v/4200mah)***	動力系統(原廠建議): 馬達 910KV 電子變速器 100A ESC 使用鋰聚電池:6S1P(22.2v / 4200mah)
Total weight: 1850g ±3% (Equipped with Blades and all electronic gears except Battery).	全配重量:1820g ±3% (全套含電子裝備不含電池)

Gear Ratio 齒輪傳動比列表	***Standard Equipment*** 標準配備
13T Steel Pinion Gear (E.M.T) 9.2 : 1 : 4.07 = 2195 rpm	208791 - Steel Pinion Gear Pack(15T-for5.0mm shaft) 鋼製馬達齒15T(孔徑5.0mm)
14T Steel Pinion Gear (E.M.T) 8.6 : 1 : 4.07 = 2349 rpm	208903 - Rear Main Gear(61T) 61T齒輪
15T Steel Pinion Gear (E.M.T) 8 : 1 : 4.07 = 2525 rpm	208381 - Pulley Shaft with Steel Gear(15T) 皮帶齒軸附鋼齒(15T)
16T Steel Pinion Gear (E.M.T) 7.5 : 1 : 4.07 = 2693 rpm	208601 - (GUEC GM-601)Brushless Motor(1820W-910kv) (GUEC GM-601)無刷馬達(1820W-910kv)
Tail rotor speed: 10960 rpm	208901 - 120T Main Gears 120T主齒盤

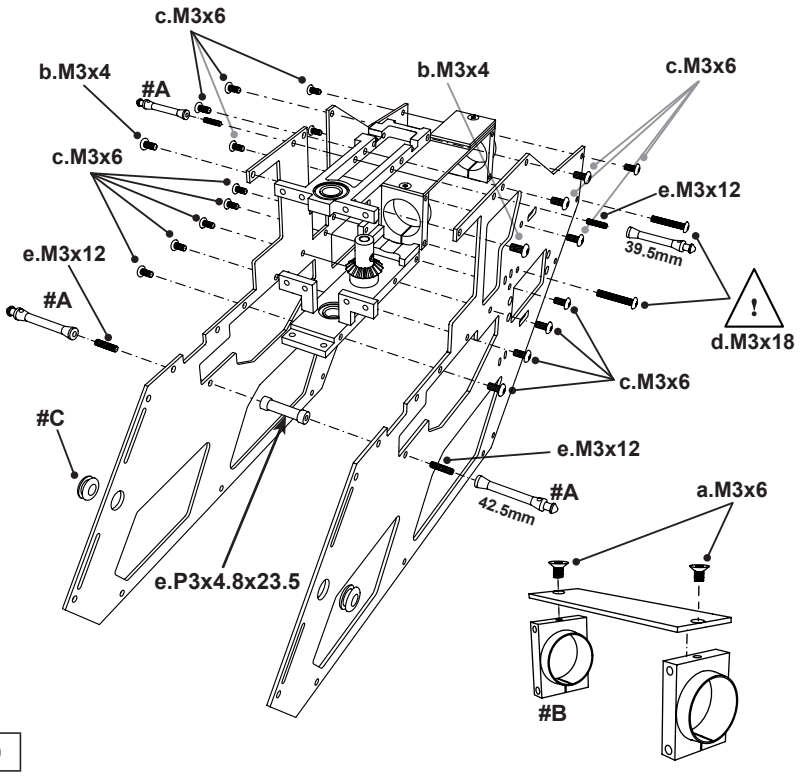
Important: The gear ratio, motor and battery should be set properly if the power system has been changed!!!
注 意:更改動力系統請注意電池電壓，馬達KV值及減速比 的關係來做搭配。

a.M3x6
b.M3x4
c.M3x6
d.M3x18
e.M3x12

1. Complete installation in #B first. Then proceed to install metal parts to side frame in Upper Servo Mount.
2. After completing installation in P.12, tighten screws M3x18

1. 先將#B組裝完成再將上圖組裝完成的金屬件組裝至側板。
2. M3X18配合P. 12組裝完成後再鎖緊。

Apply thread lock on all screws in this section.
側板螺絲均需上止滑劑

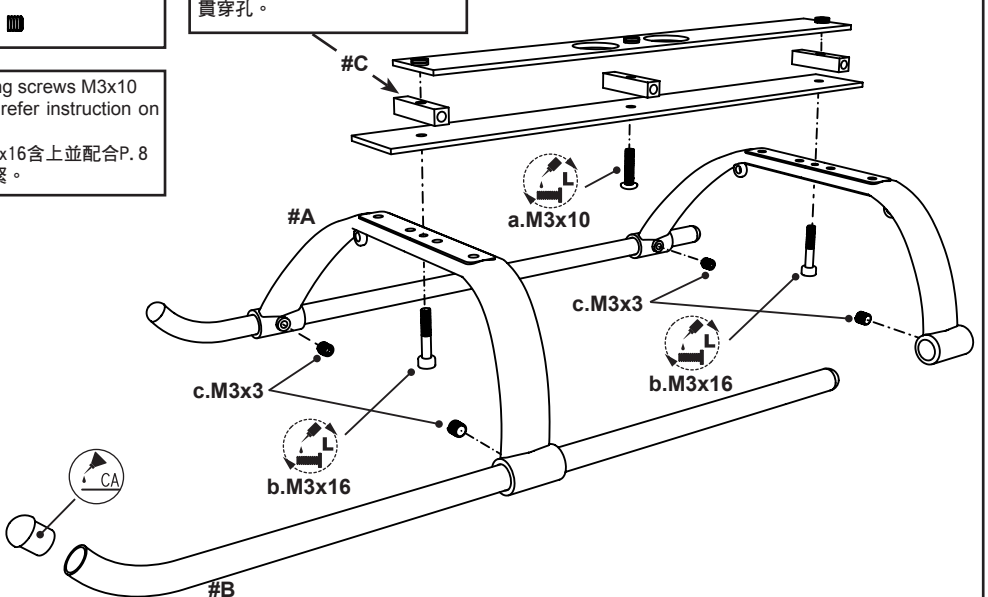


#A	#208344		
#B	#208361	**#C**	#208890

a.M3x10
b.M3x16
c.M3x3

Before locking screws M3x10 and M3x16, refer instruction on P.8 to adjust.
將M3x10及M3x16含上並配合P. 8組裝時再鎖緊。

Before installing, check that the holes in this aluminum part are pass through hole.
請注意安裝時需確認 #C 為貫穿孔。



#A	#208970	**#B**	#208370	**#C**	#208400

4

a.M3x6

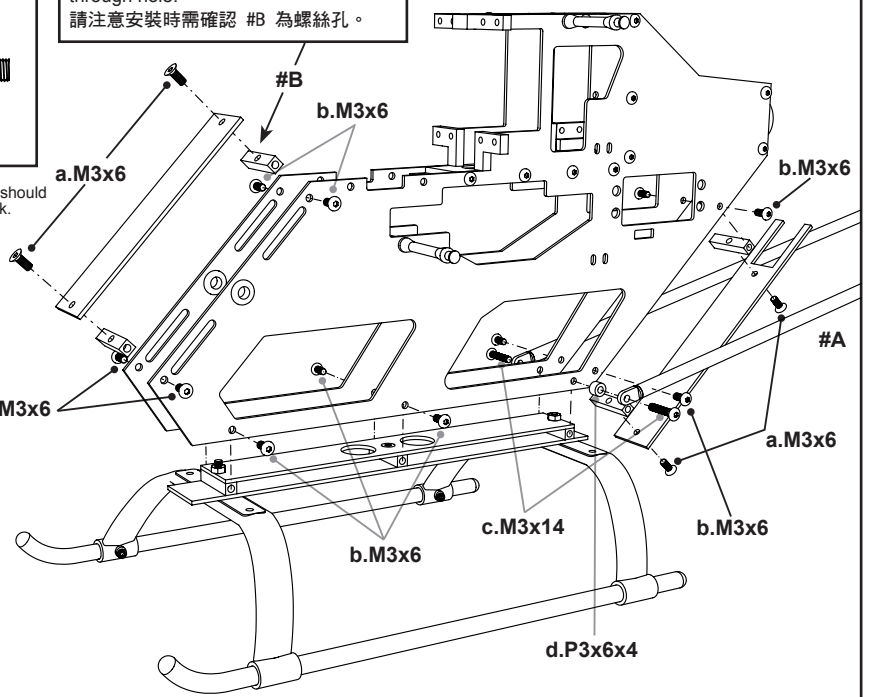
b.M3x6

c.M3x14

d.P3x6x4

All Screws on side plates should be applied with thread lock.
側板螺絲均需上止滑劑

Before installing, check that the holes in this aluminum part are pass through hole.
請注意安裝時需確認 #B 為螺絲孔。



#A	#208362
#B	#208402

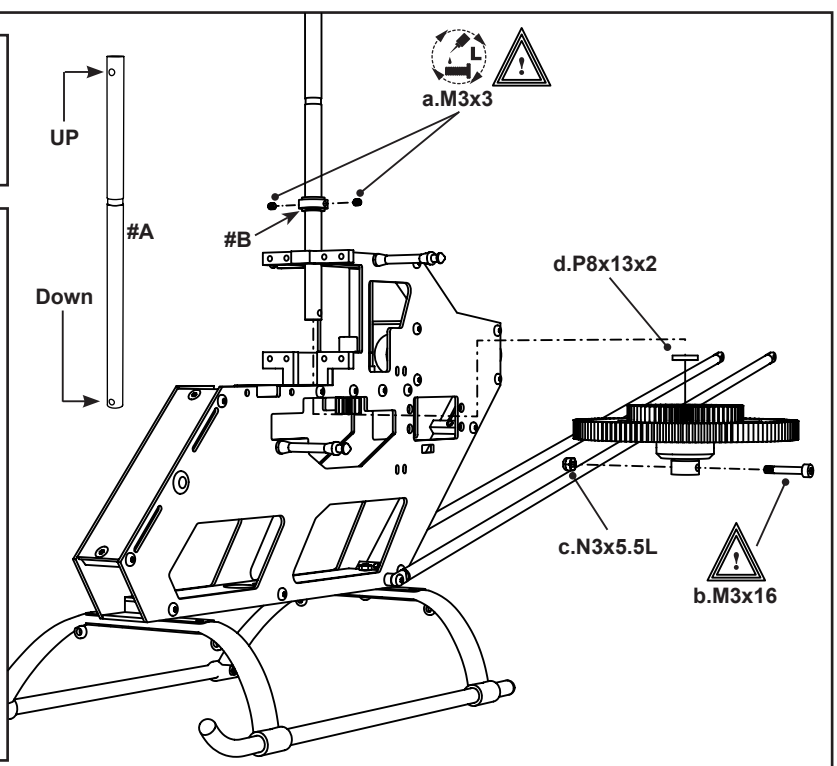
a.M3x3

b.M3x16

c.N3x5.5L

1. Install #B onto mainshaft.
2. Insert assembled main gear to fuselage, Insert main shaft to main gear.
3. Be certain to lock M3x16 and N3x5.5L firmly.
4. Attach main gear and lower servo plate
5. Move #B to servo plate bearing and locking with screws M3x3.
6. Check and being certain no gap on both ends of main shaft.

1. 將主軸組穿過#B。
2. 將組裝好的主齒盤置入機身，再將主軸穿過主齒盤。
3. 務必鎖緊M3x16及N3x5. 5L。
4. 將主齒盤上推與下伺服機座軸承貼合。
5. 將輪擋往下貼合上伺服機座軸承，鎖緊M3x3螺絲。
6. 確認主軸上下無間隙。



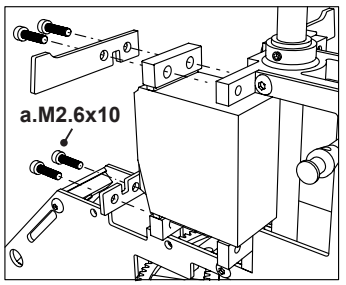
#A	#208503	**#B**	#208382

a.M2.6x10

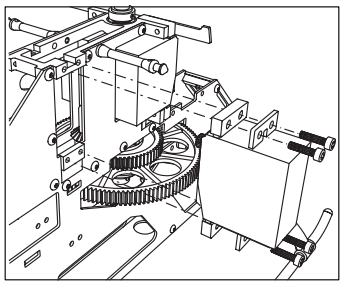


1. Refer (1) to install AIL, PIT servos into fuselage.
2. Refer (2) to install ELE servo to fuselage.
3. Refer (3) to install RUD servo to fuselage.
4. Refer (4) install electronic components to fuselage.
5. Fit servo wires through hole 1 from outside, and use zip-tie to fix servo wires.
6. Use velcro to affix receiver, ESC and gyro.

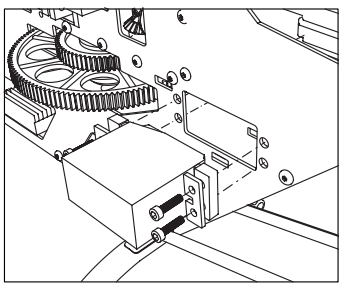
1. 參考(1)將AIL、PIT伺服機組裝至機身。
2. 參考(2)將ELE伺服機組裝至機身。
3. 參考(3)將RUD伺服機組裝至機身。
4. 參考(4)將電裝系統配至機身
5. 伺服機配線可用小束帶穿過孔1固定訊號線。
6. 可使用配件包內附之魔鬼氈(勾毛同體)固定接收機、ESC、陀螺儀。



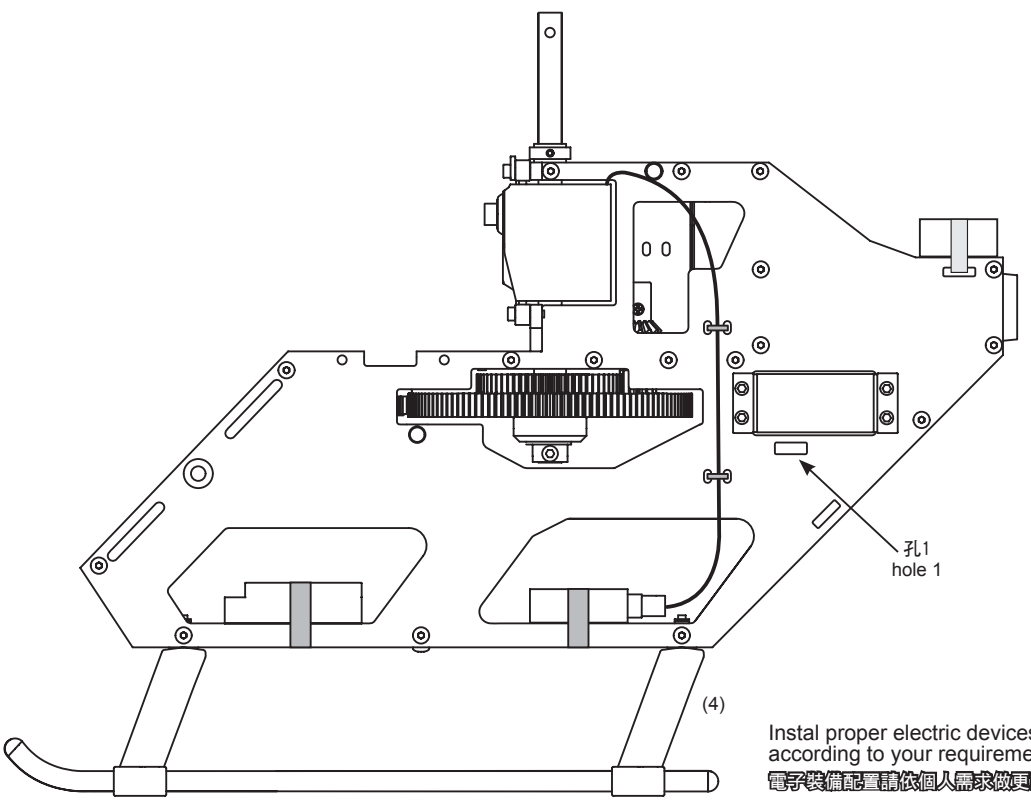
(1)



(2)



(3)



(4)

Instal proper electric devices according to your requirements.
電子裝備配置請依個人需求做更動。

a.M3x6

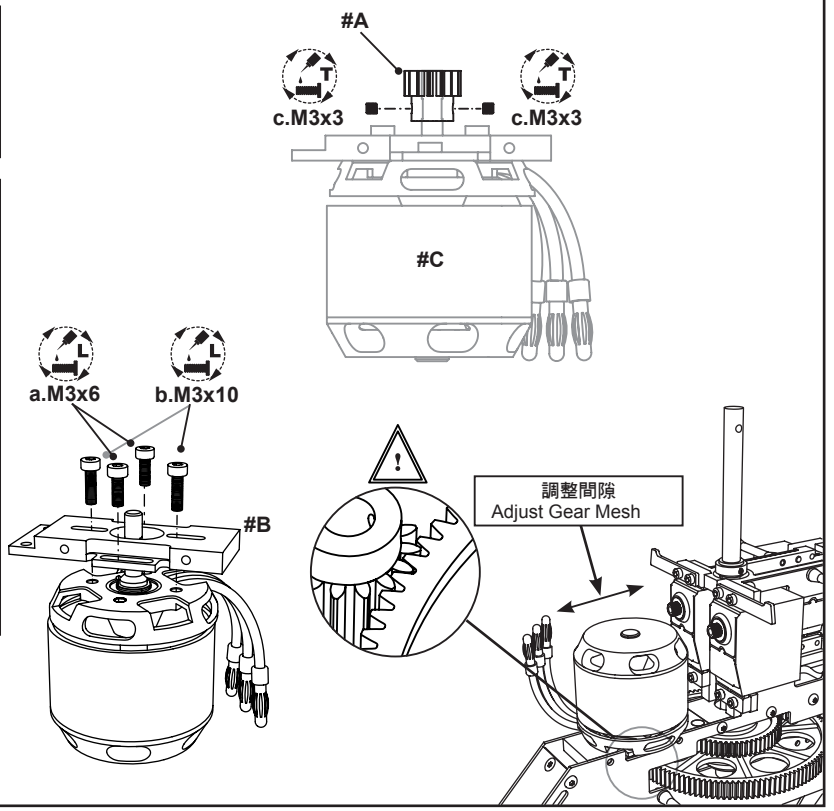
b.M3x10

c.M3x3

1. Install motor to motor plate with screws M3x6, M3x10 (not locking at this moment), insert 16T motor gear, check position of gear and motor shaft, lock M3x3 screws.
2. Insert motor set into fuselage, adjust gear mesh. Finally lock M3x6, M3x10 firmly.

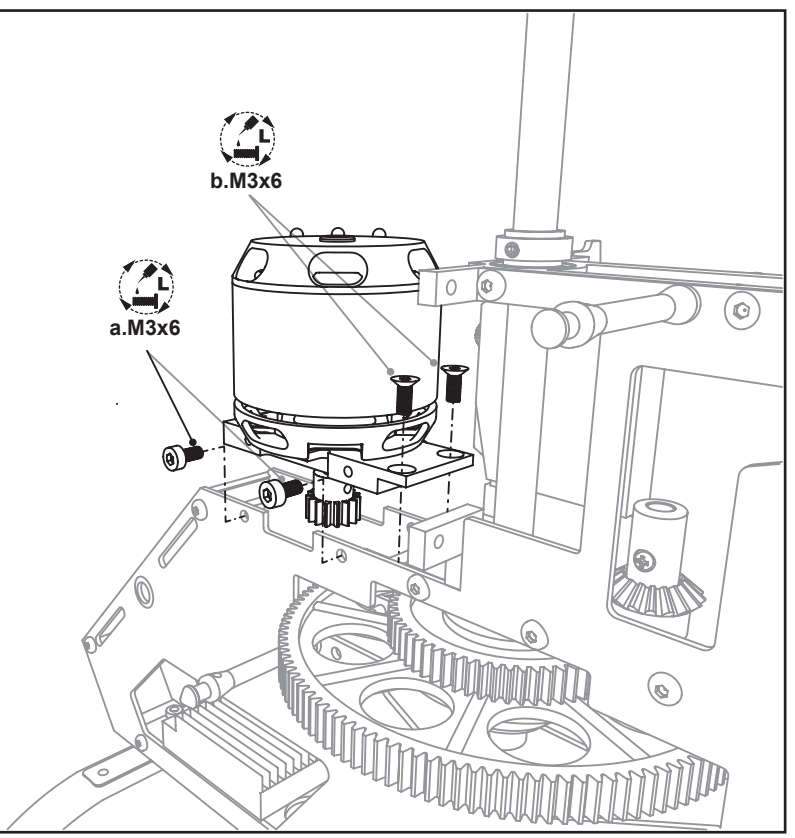
1. 將馬達組裝至馬達板上並含上M3x6、M3x10螺絲不鎖緊，套入16T馬達齒並注意馬達齒與軸心切齊後鎖緊M3x3。
2. 再將馬達總成置入機身調整適當間距(約0.1㎜)，確認間距無誤再將M3x6、M3x10鎖緊。

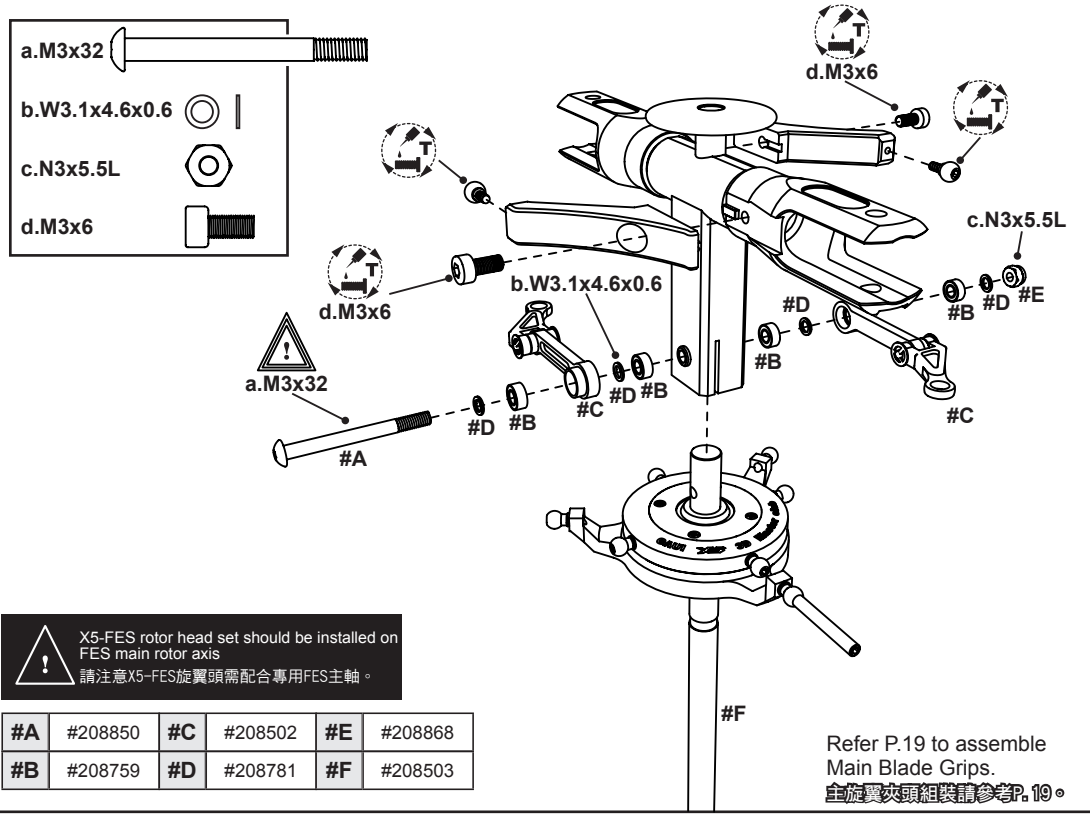
#A	#208786
#B	#208359
#C	#208601



a.M3x6

b.M3x6



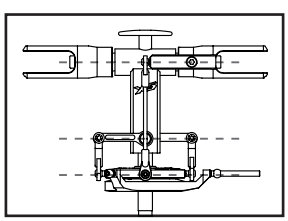


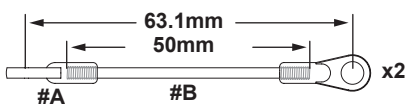
X5-FES rotor head set should be installed on FES main rotor axis
請注意X5-FES旋翼頭需配合專用FES主軸。

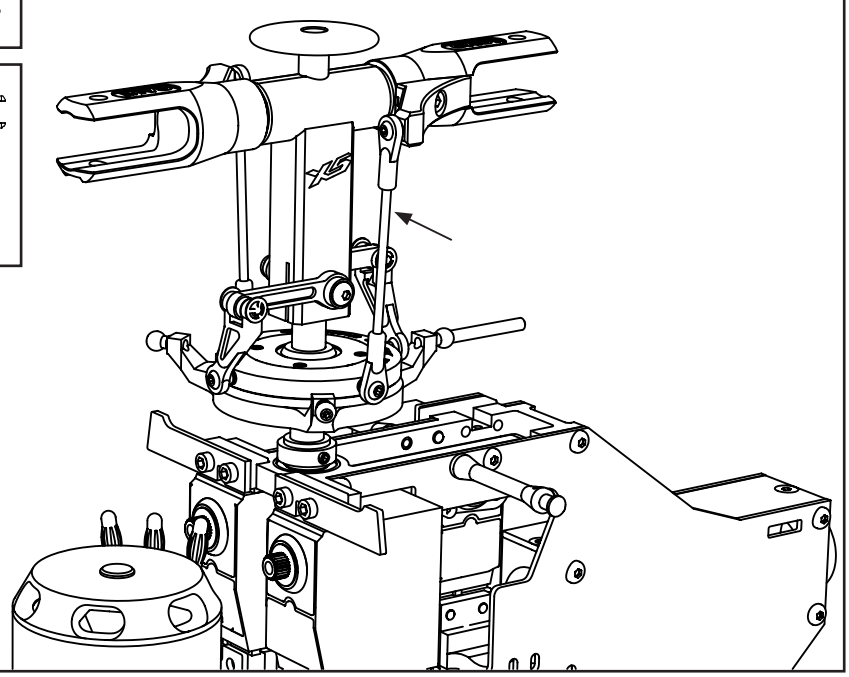
#A	#208850	**#C**	#208502	**#E**	#208868
#B	#208759	**#D**	#208781	**#F**	#208503

Refer P.19 to assemble Main Blade Grips.
主旋翼夾頭組裝請參考P. 19。

Attach control linkages
(as shown for their sizes)
Check Blades Grips, Mixing Arms, Swash plate are all levelled
(if not, changing the length of control linkages to adjust)
製作的兩支等長拉桿扣上。
確認夾頭、剪型臂、十字盤同水平。
（可由拉桿調整水平狀態）



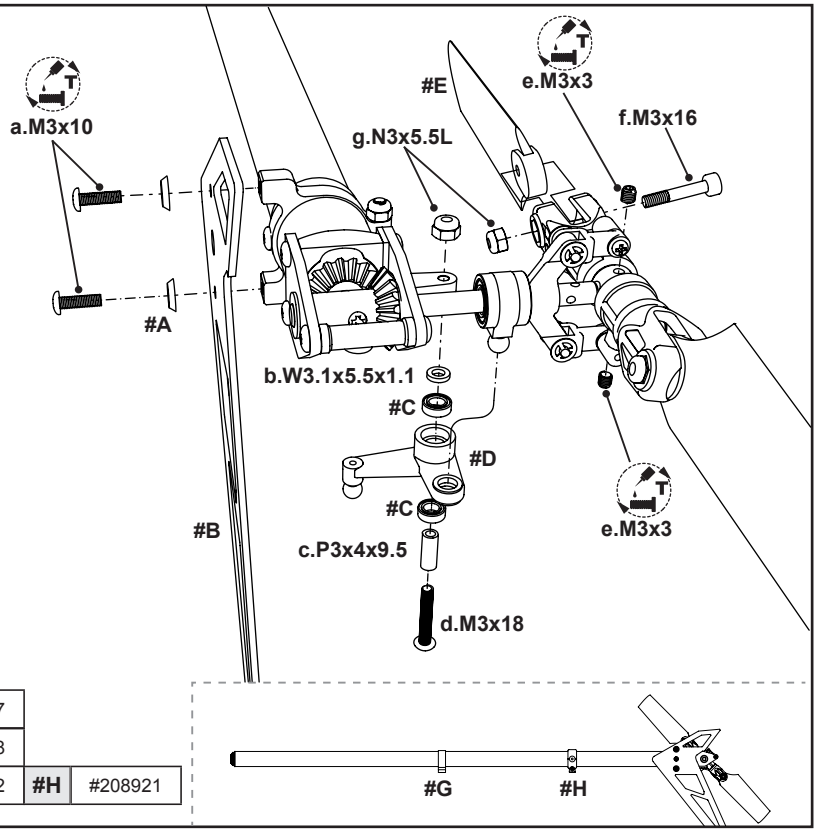




#A	#208906
#B	#208404

4

a.M3x10
b.W3.1x5.5x1.1
c.P3x4x9.5
d.M3x18
e.M3x3
f.M3x16
g.N3x5.5L

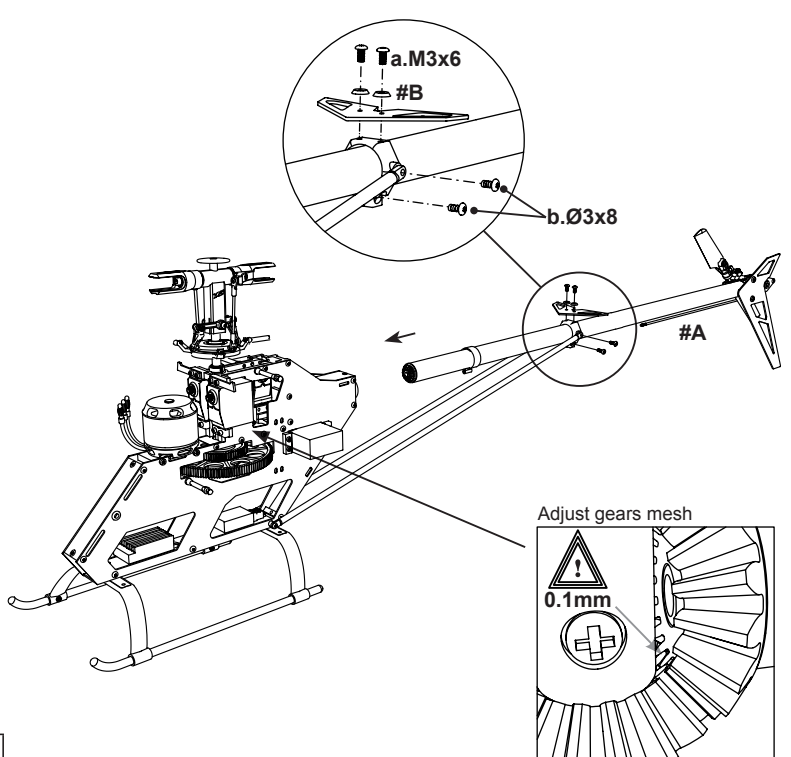


#A	#208787	#D	#208907		
#B	#208705	#E	#208908		
#C	#208765	#G	#208922	#H	#208921

a.M3x6
b.Ø3x8

1. Install tail tube set into fuselage, keep vertical fin aligned to fuselage.
2. Lock M3x18 firmly. Refer P.7 (Check gear mesh).
3. Install support rods to tail tube support.
4. lock horizontal fin.
5. Insert #A through level support, tail tube support, ball link.

1. 將尾管總成置入機身，保持垂直尾翼與機身同垂直。
2. 鎖緊 P.7 M3x18 螺絲。(需確認齒輪咬合順暢)
3. 將支撐桿鎖上尾管夾。
4. 鎖上水平翼。
5. 將#A穿過拉桿座、尾管夾並含上拉桿頭。

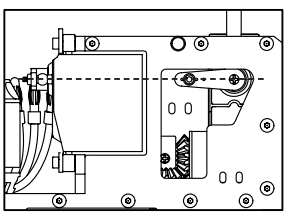


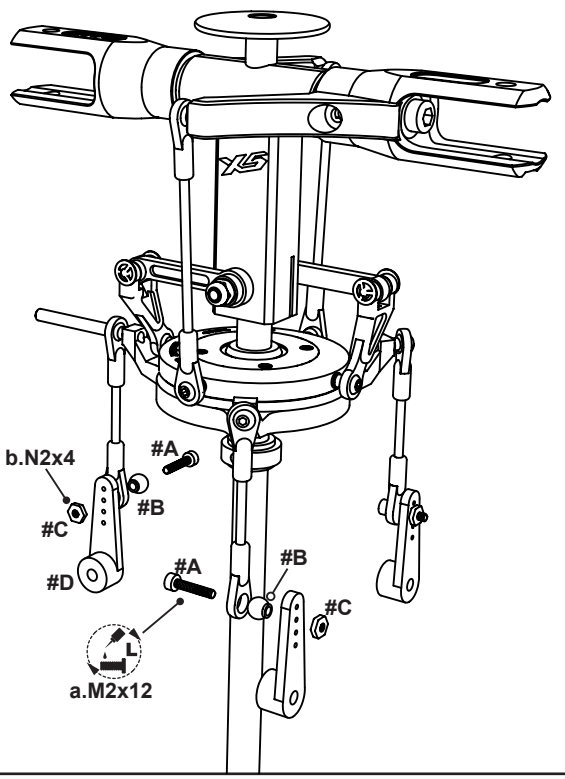
#A	#208331	#B	#208787

a.M2x12

b.N2x4

After assembly of ball links and linkages on servo horns, please install these horns on servos vertically (as shown).
伺服機舵片組裝完成後請將舵片水平鎖附於伺服機上。





#A	#208878	**#C**	#208867
#B	#208885	**#D**	#208620

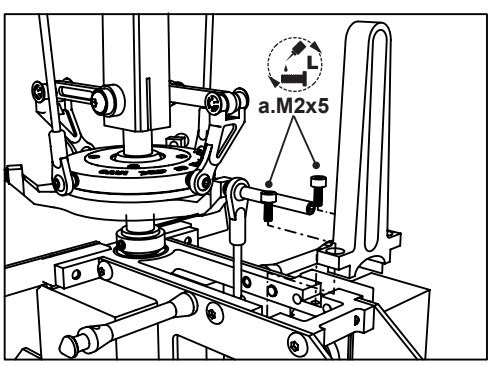
4

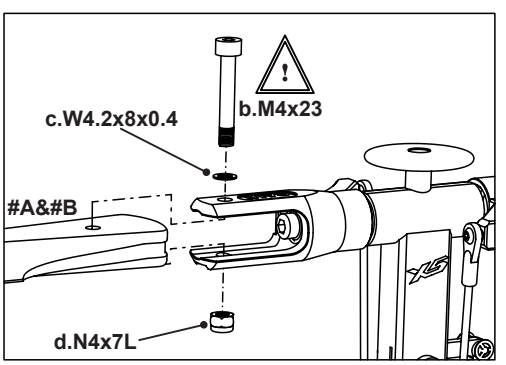
a.M2x5

b.M4x23

c.W4.2x8x0.4

d.N4x7L

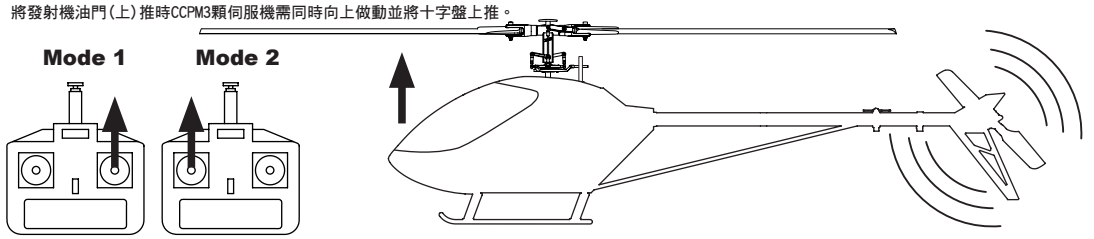




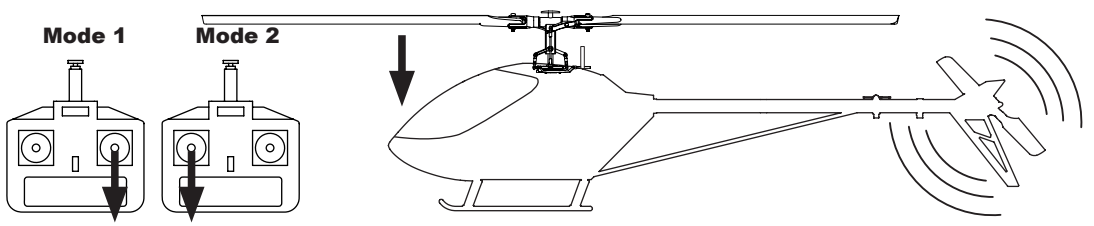
#A	#208301
#B	#208302

ATTENSION: Before installing main blades, please make sure they are well balanced in CG and Weight.
請注意:主旋翼安裝前請先確認主旋翼重量。若重量不一致請調整配重至重量相同。

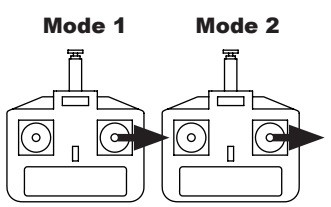
1. Turn on the throttle hold on transmitter.
2. Moving throttle stick upward, all CCPM servos should move upward.
   開啟發射機並確認油門為鎖定狀態。
   將發射機油門(上)推時CCPM3顆伺服機需同時向上做動並將十字盤上推。

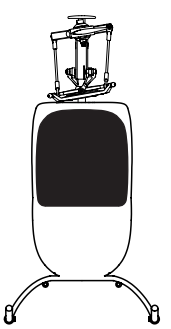


3. Moving throttle stick down, all CCPM servos should move downward.
   將發射機油門(下)推時CCPM3顆伺服機需同時向下做動並將十字盤下拉。

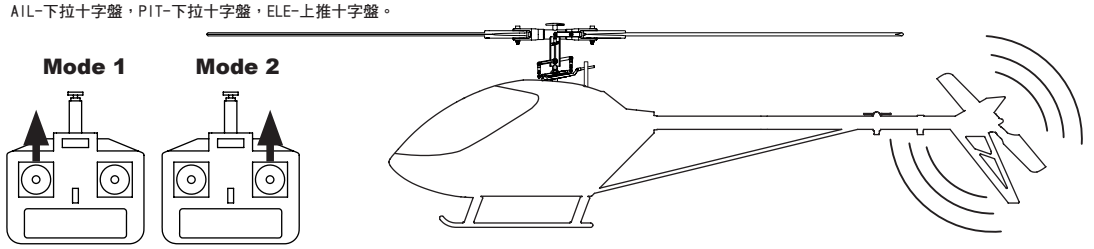


4. Moving aileron stick to the right, swashplate should acts like this:
   AIL - upward, PIT - downward, ELE - fixed
   將發射機副翼(右)推時十字盤做動如下:
   AIL-上推十字盤，PIT-下拉十字盤，ELE-不做動。

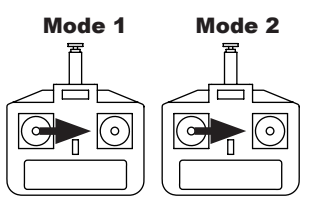


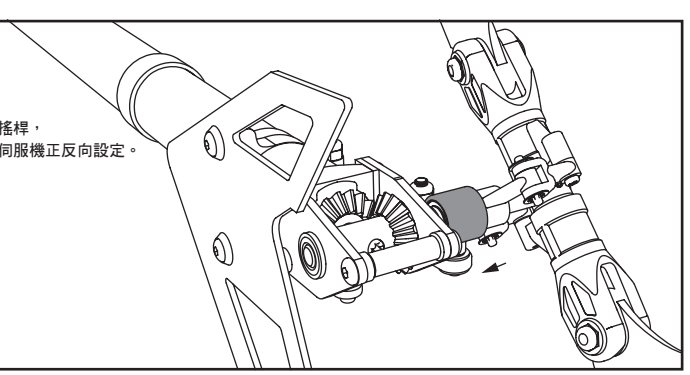


5. Moving elevator stick up, swashplate should acts like this:
   AIL - downward, PIT - downward, ELE - upward
   將發射機升降舵(前)推時十字盤做動如下。
   AIL-下拉十字盤，PIT-下拉十字盤，ELE-上推十字盤。



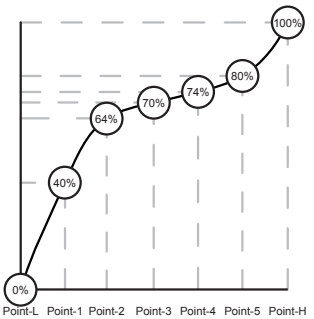
6. Set gyro to head locking mode from transmitter.
   moving rudder stick to the right, tail rotor linkage should moves to gear box side. If not, please reverse the servo direction on transmitter.
   將發射機的{陀螺儀感度}設定至鎖定狀態，向(右)推尾舵搖桿，尾軸滑套需向尾齒箱移動，若不是請調整遙控器選單中的伺服機正反向設定。



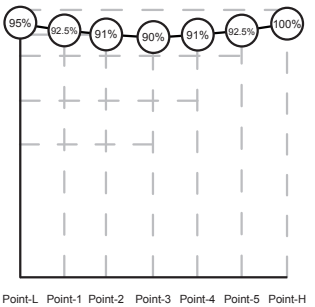


Throttle Curve
油門曲線

Normal Flight
一般飛行模式

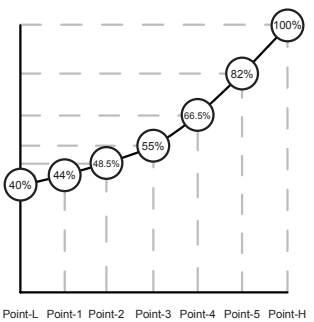


Freestyle/Aggresive
特技1模式

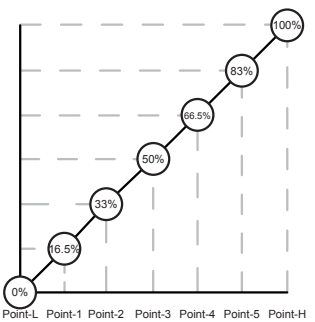


Pitch Curve
螺距曲線

Normal Flight
一般飛行模式

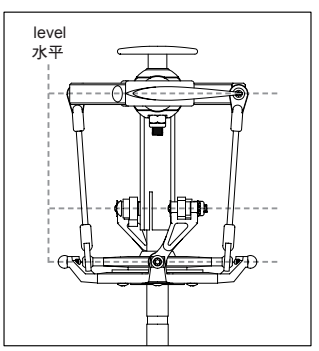


Freestyle/Aggressive
特技1模式

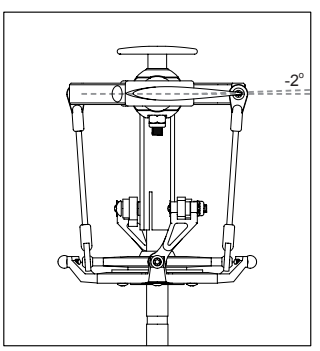


4

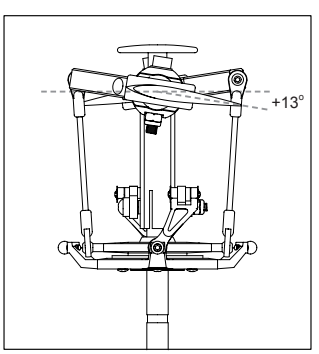
Make sure all parts are level
確認各部位水平無誤。



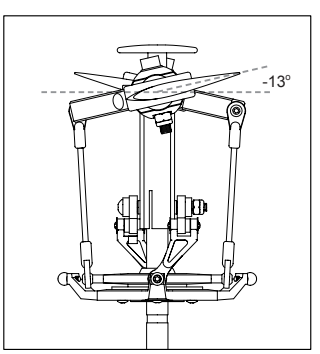
Moving Throttle Stick to lowest
Setting Pitch to
-2~-3 degree
調整油門搖桿至最低點
並設定螺距為-2~-3度。



Maximum Positive Pitch to +13 degree
主旋翼最大正螺距為+13°。



Maximum Negative
Pitch to -13 degree
主旋翼最大負螺距為-13°。

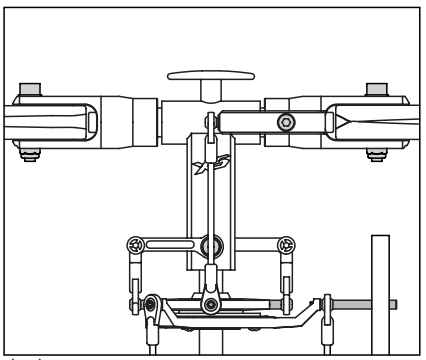


Note: Suggested Maximum Pitch is +-13 degree, cyclic pitch is 10 degree.
請注意:原廠建議最大Pitch為±13度，循環螺距為10度。

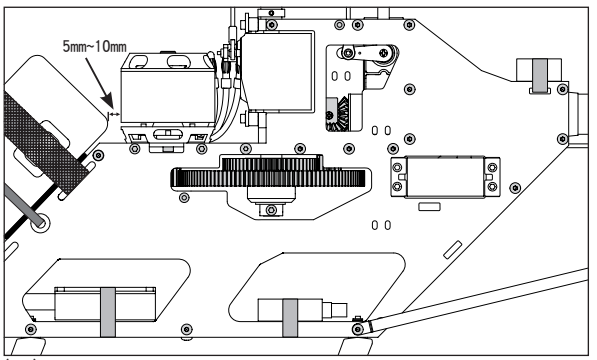
5

1. Check all screws are tighten firmly. (1-1,1-2,1-3)
2. Check gear mesh between motor gear and main gear are corresponding to each other. P9 (1-2)
3. Check gear mesh between transmission gears. P12 (1-2)
4. Check electric devices are fixed firmly (1-2).
5. Check battery are fixed firmly (1-2).
6. Make sure main blades are well balanced (1-1).
7. Check spindle, main axis, tail axis, bearings are running smoothly and well lubricated. (1-1, 1-3)
8. Check wires between motor and ESC are correctly connected.

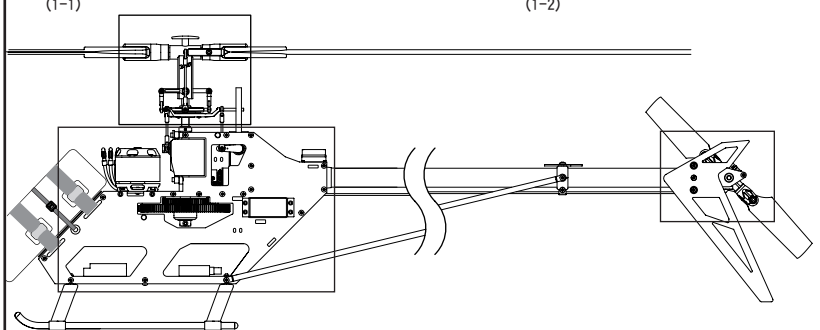
1. 各部位螺絲是否有確實鎖緊。(1-1. 1-2. 1-3)
2. 馬達齒是否與主齒盤正確契合 P. 9。(1-2)
3. 傳動齒輪間隙是否正確 P. 12。(1-2)
4. 電子系統是否確實固定無鬆動。(1-2)
5. 電池固定位置是否正確。(1-2)
6. 主槳是否已互相平衡。(1-1)
7. 橫軸、主軸、尾橫軸、軸承等是否順暢或以潤滑油做適當補充。(1-1. 1-3)
8. 連接馬達時請依電源線顏色做相接。

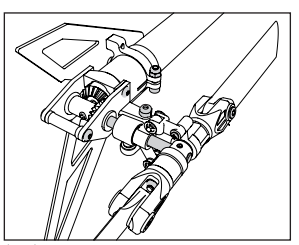


(1-1)



(1-2)

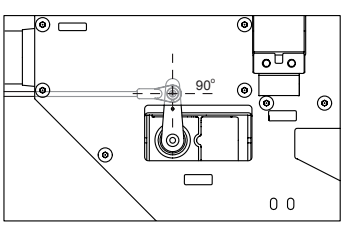




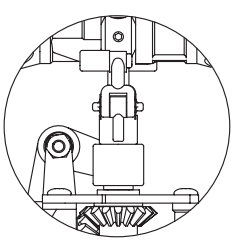
(1-3)

8. Check angle of tail servo are precisely 90 degree, and tail rotor linkage are precisely 90 degree. (1-4, 1-5)
9. Check travel range of tail rotor pitch, and making sure they are running smoothly (1-6,1-7).
10. After power on, check the pitch travel direction of tail rotor are correct according to heading direction.

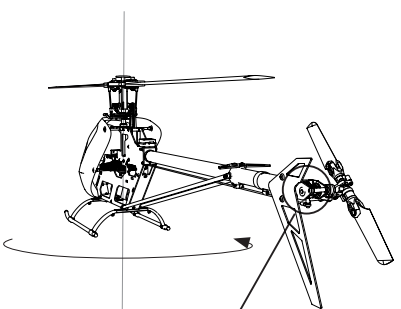
8. 檢查尾舵伺服機垂直90度時尾舵角片是否也垂直90度。(1-4. 1-5)
9. 確認尾螺距最大最小行程是否順暢無干涉(1-6. 1-7)
10. 通電後確認尾螺距修正時，正反向是否正確(1-8)

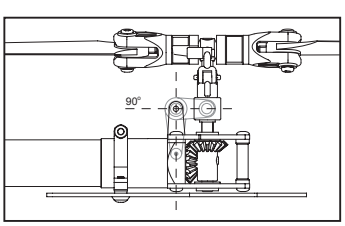


(1-4)

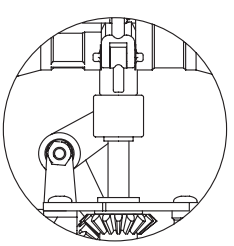


(1-6)

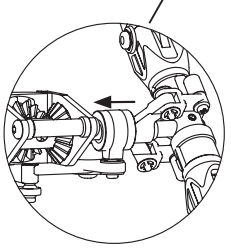




(1-5)



(1-7)



(1-8)

○ 1. Check all screws, make sure they are all tightened (not loose). Refer to P.16.
各部位螺絲是否有確實鎖緊無鬆脫(請參考P. 16)。

○ 2. Check gear mesh between motor gear and main gear. Inspect any abnormal wear.
馬達齒是否與主齒盤正確契合並無異常磨耗。

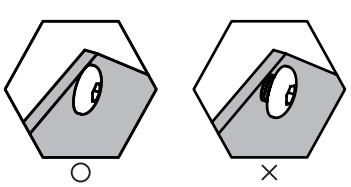
○ 3. Check gear mesh between transmission gears. Make sure they are running smoothly, no abnormal wear. (Please refer 4-13)
傳動齒輪間隙是否正確並保持順暢並無異常磨耗(請參考4-13)。

○ 4. Check electric devices are fixed firmly, not loose.
電子系統是否確實固定無鬆動(請參考5-3)。

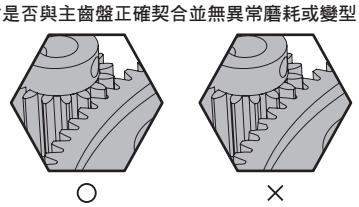
○ 5. Check Spindle, main axis, tail axis, bearings are all running smoothly, not bent. Apply proper lubricants.
橫軸、主軸、尾橫軸、軸承等是否順暢無誤彎曲並以潤滑油做適當補充。

○ 6. Check temperature of electric devices are normal or not.
電子系統溫度是否正常

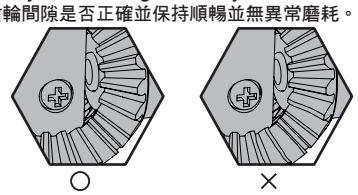
1. Check all screws are tightened firmly, not loose.
各部位螺絲是否有確實鎖緊無鬆脫。



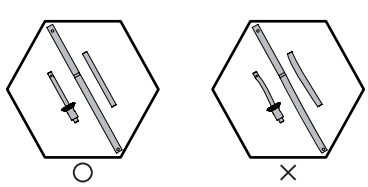
2. Check motor gear and main gear correspond to each other. No abnormal wear or distorted.
馬達齒是否與主齒盤正確契合並無異常磨耗或變型。



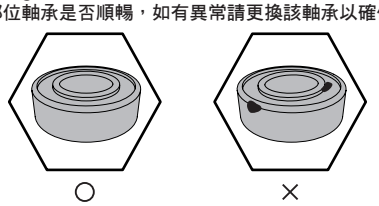
3. Check gear mesh between transmission gears are correct.
That they are running smoothly. no abnormal wear.
傳動齒輪間隙是否正確並保持順暢並無異常磨耗。



4. Check spindle, main axis, tail axis are running smoothly, not bent. Apply proper lubricants.
橫軸、主軸、尾橫軸、等是否順暢無彎曲並以潤滑油做適當補充。

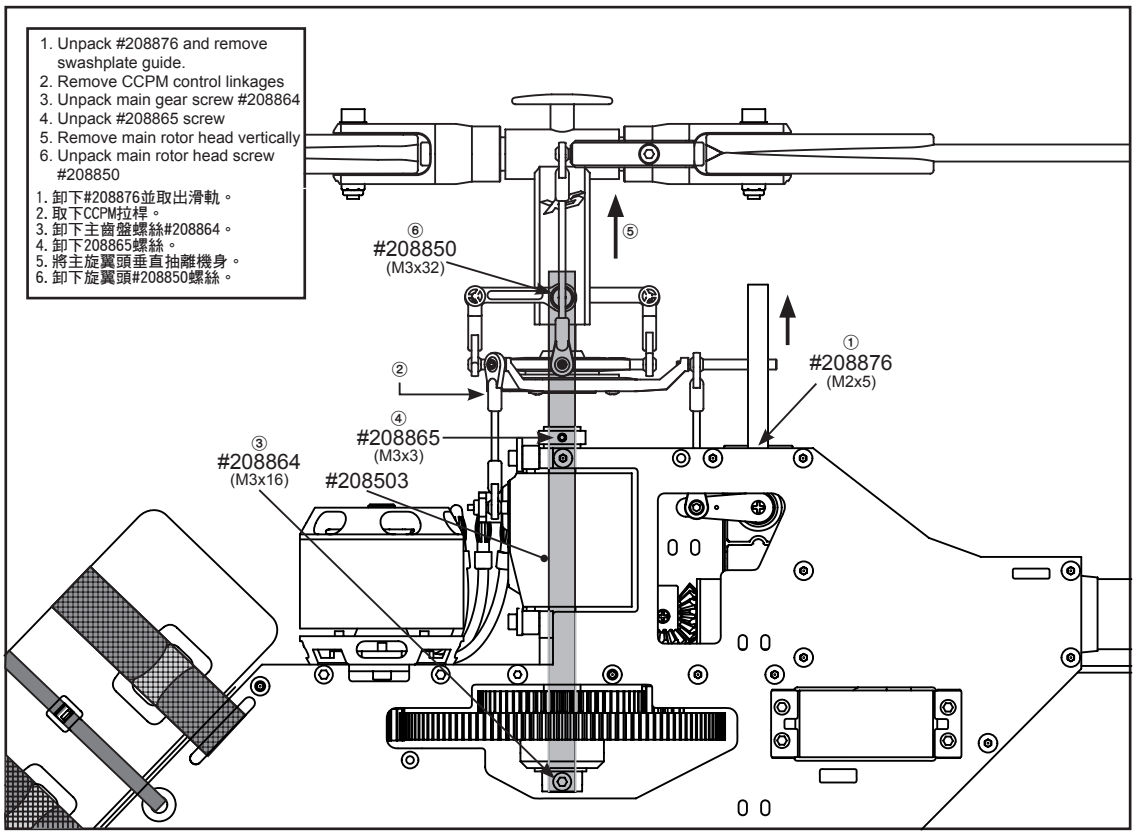


5. Inspec all bearings are running smoothly.
If found any abnormal, please replace new bearings for safe flight.
檢查各部位軸承是否順暢，如有異常請更換該軸承以確保飛行安全。



1. Unpack #208876 and remove swashplate guide.
2. Remove CCPM control linkages
3. Unpack main gear screw #208864
4. Unpack #208865 screw
5. Remove main rotor head vertically
6. Unpack main rotor head screw #208850

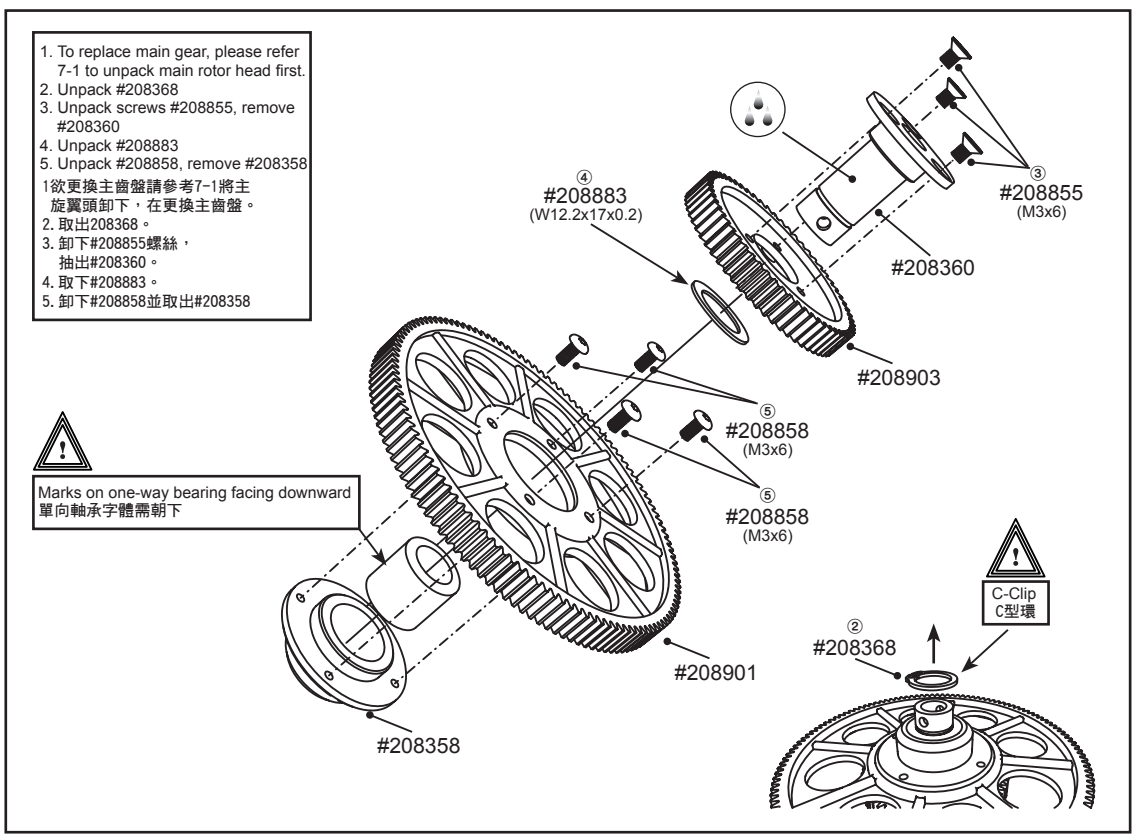
1. 卸下#208876並取出滑軌。
2. 取下CCPM拉桿。
3. 卸下主齒盤螺絲#208864。
4. 卸下208865螺絲。
5. 將主旋翼頭垂直抽離機身。
6. 卸下旋翼頭#208850螺絲。

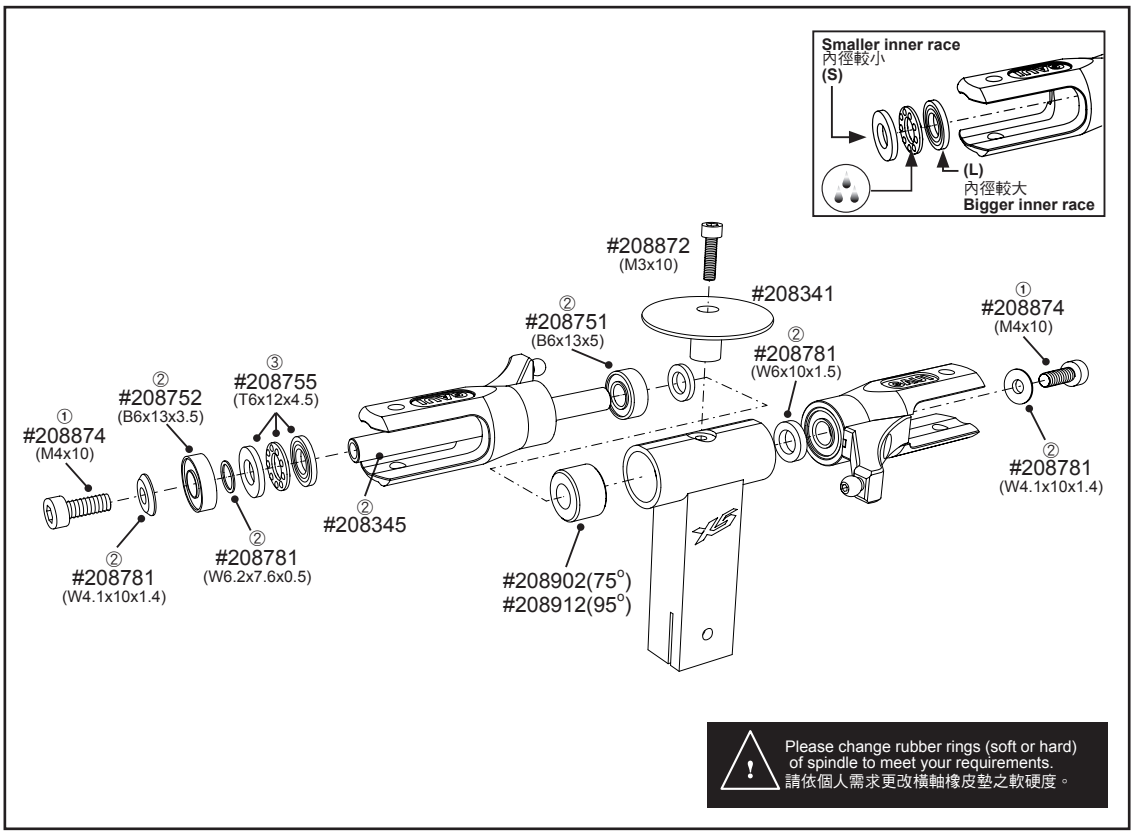


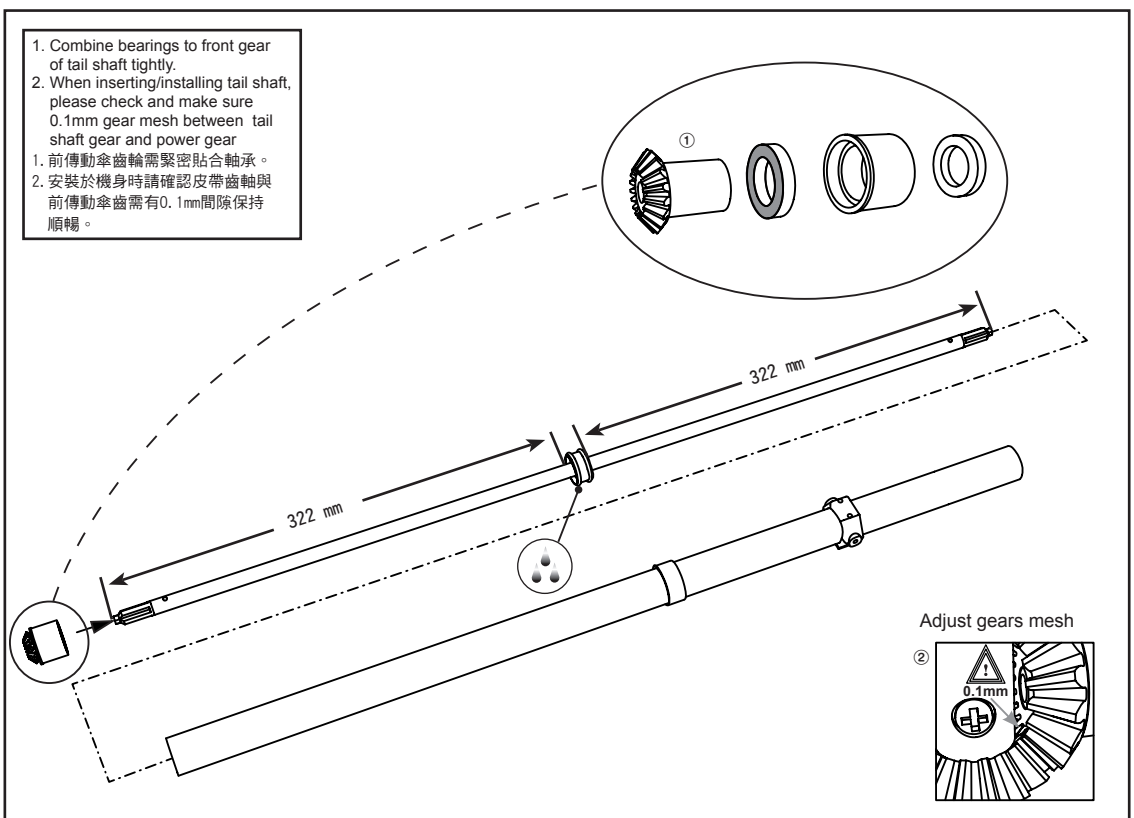
7

1. To replace main gear, please refer 7-1 to unpack main rotor head first.
2. Unpack #208368
3. Unpack screws #208855, remove #208360
4. Unpack #208883
5. Unpack #208858, remove #208358

1欲更換主齒盤請參考7-1將主旋翼頭卸下，在更換主齒盤。
2. 取出208368。
3. 卸下#208855螺絲，抽出#208360。
4. 取下#208883。
5. 卸下#208858並取出#208358

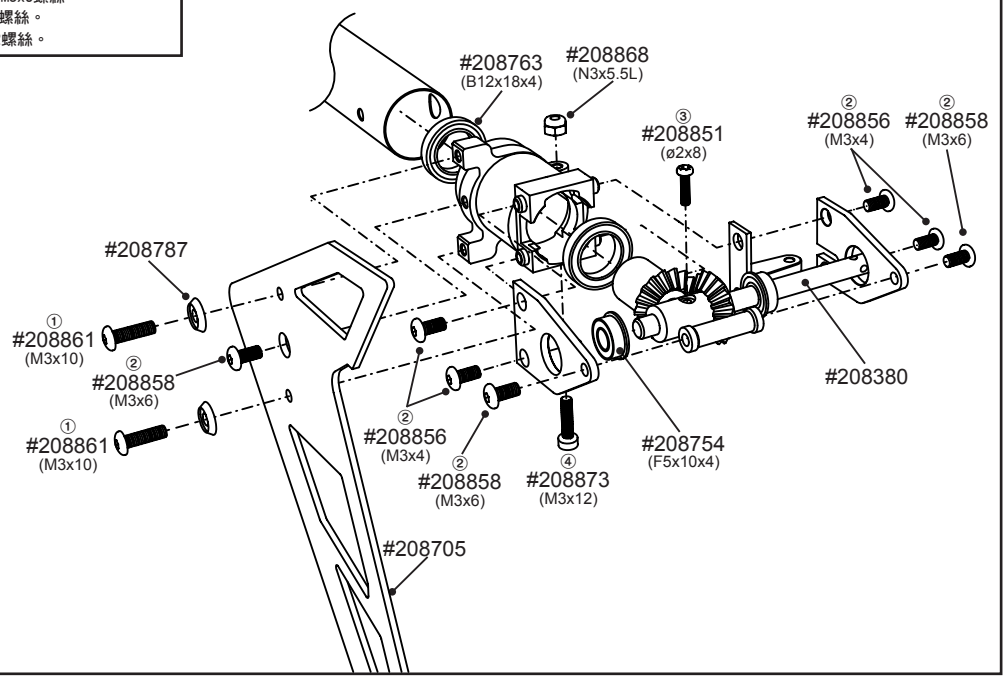



Smaller inner race
內徑較小
(S)
(L)
內徑較大
Bigger inner race
#208872
(M3x10)
#208341
①
#208874
(M4x10)
②
#208751
(B6x13x5)
②
#208781
(W6x10x1.5)
②
#208752
(B6x13x3.5)
③
#208755
(T6x12x4.5)
①
#208874
(M4x10)
②
#208781
(W4.1x10x1.4)
②
#208345
②
#208781
(W6.2x7.6x0.5)
②
#208781
(W4.1x10x1.4)
#208902(75°)
#208912(95°)
Please change rubber rings (soft or hard) of spindle to meet your requirements.
請依個人需求更改橫軸橡皮墊之軟硬度。


1. Combine bearings to front gear of tail shaft tightly.
2. When inserting/installing tail shaft, please check and make sure 0.1mm gear mesh between tail shaft gear and power gear
1. 前傳動傘齒輪需緊密貼合軸承。
2. 安裝於機身時請確認皮帶齒軸與前傳動傘齒需有0.1㎜間隙保持順暢。
①
322 mm
322 mm
Adjust gears mesh
②
0.1mm

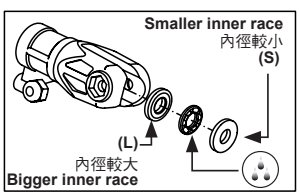
1. Unpack M3x10 screws
2. Unpack M3x4.M3x6 screws
3. Unpack 2x8 screws
4. Unpack M3x12 screws

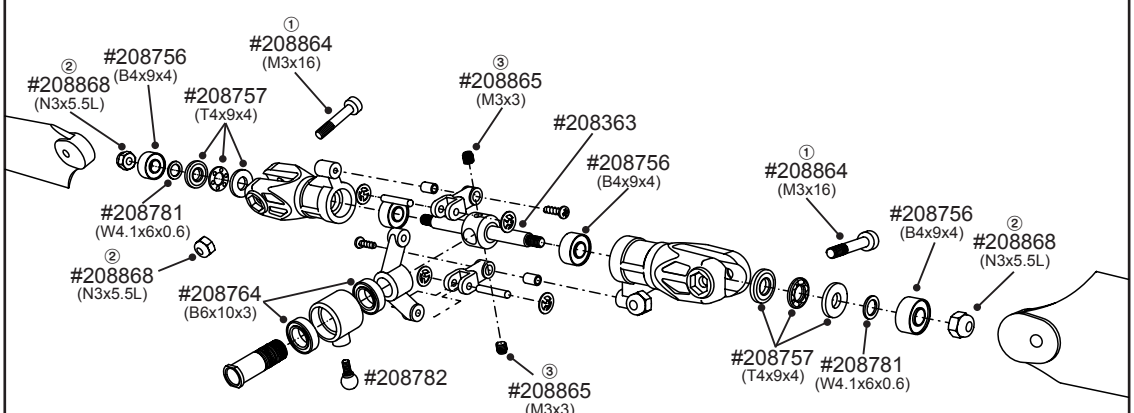
1. 卸下M3x10螺絲。
2. 卸下M3x4.M3x6螺絲。
3. 卸下Ø2x8螺絲。
4. 卸下M3x12螺絲。

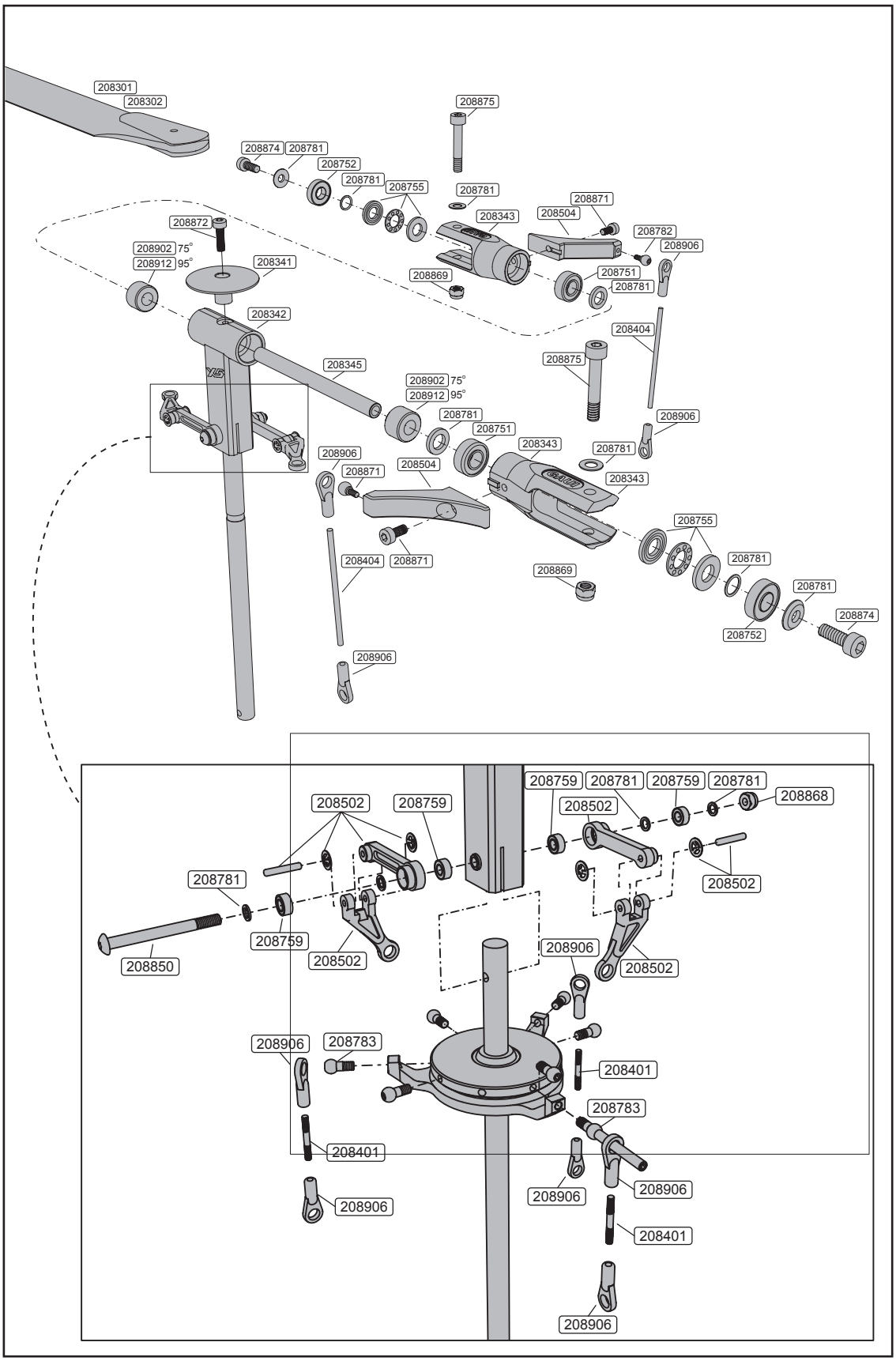


1. Unpack M3x16 screws
2. Unpack M3x5.5L screws
3. Unpack M3x3 socket set screws

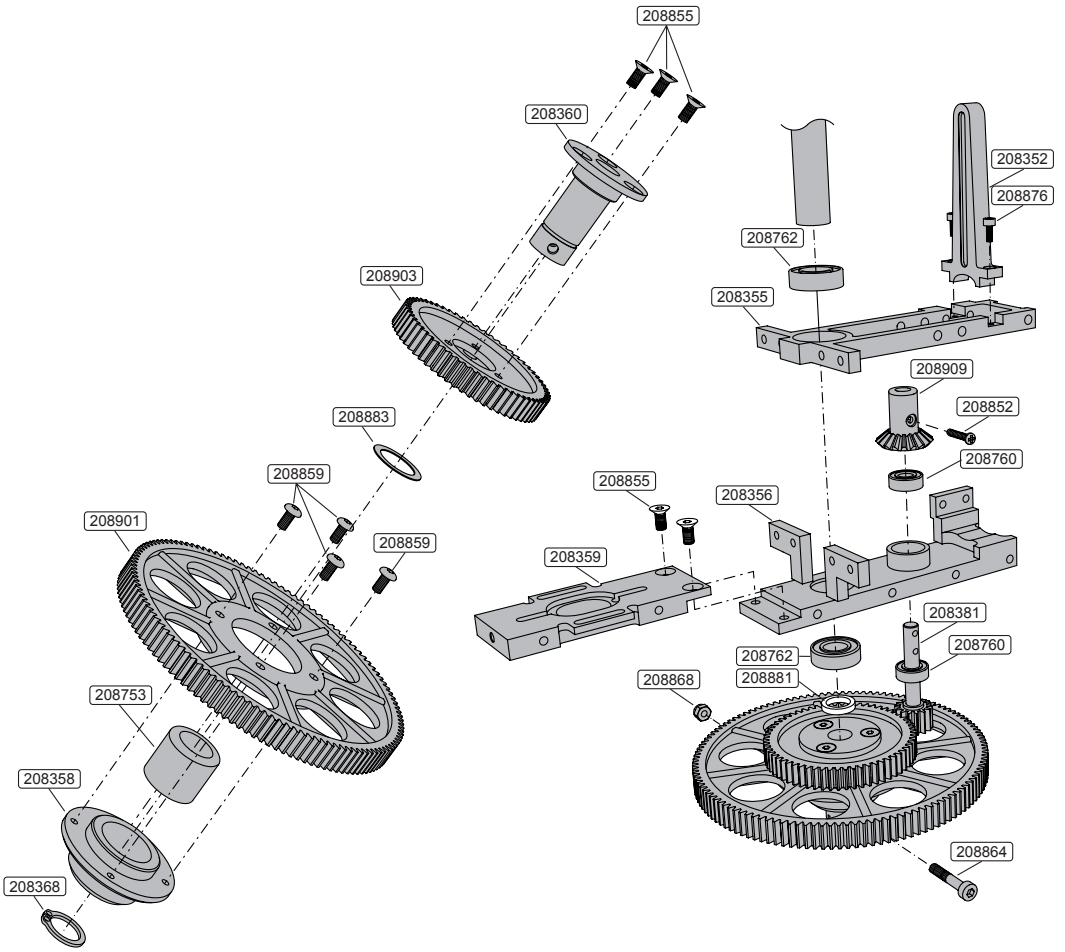
1. 卸下M3x16螺絲。
2. 卸下N3x5.5L螺母。
3. 卸下M3x3止付螺絲。



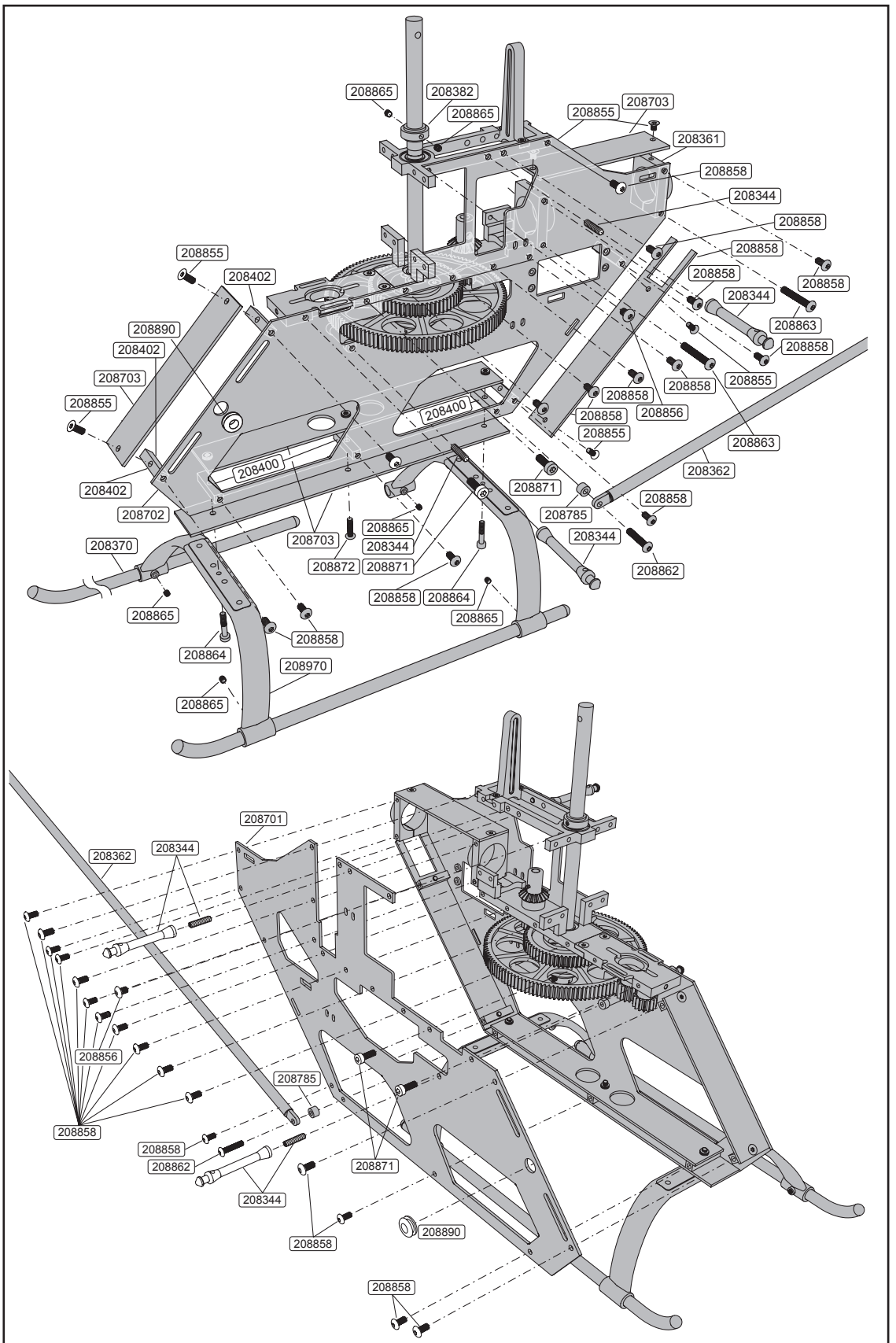



208301
208302
208875
208874
208781
208752
208781
208755
208781
208871
208504
208343
208872
208782
208906
208902 75°
208912 95°
208341
208751
208781
208869
208342
208404
208875
208345
208902 75°
208912 95°
208781
208751
208906
208343
208781
208906
208871
208504
208343
208755
208404
208871
208781
208781
208869
208874
208752
208906
208759
208781
208759
208781
208868
208502
208759
208502
208781
208502
208759
208850
208502
208906
208502
208906
208783
208401
208783
208401
208906
208906
208906
208401
208906

208301	CF main blades (500L)	碳纖槳 500L
208302	CF main blades (500L-CFA)	碳纖槳 500L(CFA)
208341	X5 CNC Stop Plate (Black anodized)	X5 CNC煞車盤(電鍍黑)
208342	X5 CNC Main Rotor Yoke Set (Black anodized)	X5 CNC主旋翼頭(電鍍黑)
208343	X5 CNCMain Grip Set (Black anodized)	X5 CNC主旋翼夾頭(電鍍黑)
208345	X5 Spindle Shafts	X5 橫軸
208401	Thread Rod for CCPM (2x23.5mm)x3 (3x65mm)x2	CCPM螺桿組 (2x23.5mm)x3 (3x65mm)x2
208404	X5 Main Blade Linkage Rod(2x50mm)x4	X5 不鏽鋼連桿組(2x50mm)x4
208502	FES X5 CNC Washout Arm Assembly (Black anodized)	X5 FES剪型臂組
208504	FES X5 CNC Main Grip Levers (Black anodized)	X5 FES主旋翼舵柄組
208751	Ball Bearings Pack (6x13x5)x4	軸承(6x13x5)x4
208752	Ball Bearings Pack (6x13x3.5)x4	軸承(6x13x3.5)x4
208755	Thrust Bearings (T6x12x4.5)x2	止推軸承包(T6x12x4.5)x2
208759	Ball Bearings Pack (3x6x2.5)x4	軸承包(3x6x2.5)x4
208781	X5 Washer Pack (W6.2x7.6x0.5)(W6.1x10x1.5) (W4.1x10x1.4)(W3.1x4.6x0.6)(W3x6x0.5)(W4.1x6x0.5)	X5 墊片包(W6.2x7.6x0.5)(W6.1x10x1.5) (W4.1x10x1.4)(W3.1x4.6x0.6)(W3x6x0.5) (W4.1x6x0.5)
208782	Stainless (4.8mm) Balls (Long stand x5pcs, Short Stand x5pcs)	不銹鋼(4.8mm)球頭組(長頸x5個及 短頸x5個)
208783	Stainless (4.8mm) Balls (Long stand x4pcs, Short Stand x2pcs,Ball with Extension x1pc)	不銹鋼(4.8mm)球頭組(長頸x4個,短頸x2個 球頭附延伸桿x1個)
208869	Nylon Lock Nut (N4x7L)x10pcs	止滑螺帽(N4x7L)x10個
208871	Socket Head Cap Screw - Black (M3x6)x10pcs	內六角螺絲包-黑色(M3x6)x10個
208872	Socket Head Cap Screw - Black (M3x10)x10pcs	內六角螺絲包-黑色(M3x10)x10個
208874	Socket Head Cap Screw - Black (M4x10)x10pcs	內六角螺絲包-黑色(M4x10)x10個
208875	Semi-threaded Socket Head Cap Screw - Black (M4x23)x10pcs	半牙內六角螺絲包-黑色(M4x23)x10個
208902	Damper rubber (Hardness 75)	橫軸橡皮墊(硬度75)
208906	Ball Links Pack (4.8mm)	拉桿頭(4.8mm)
208912	Damper rubber (Hardness 95)	橫軸橡皮墊(硬度95)



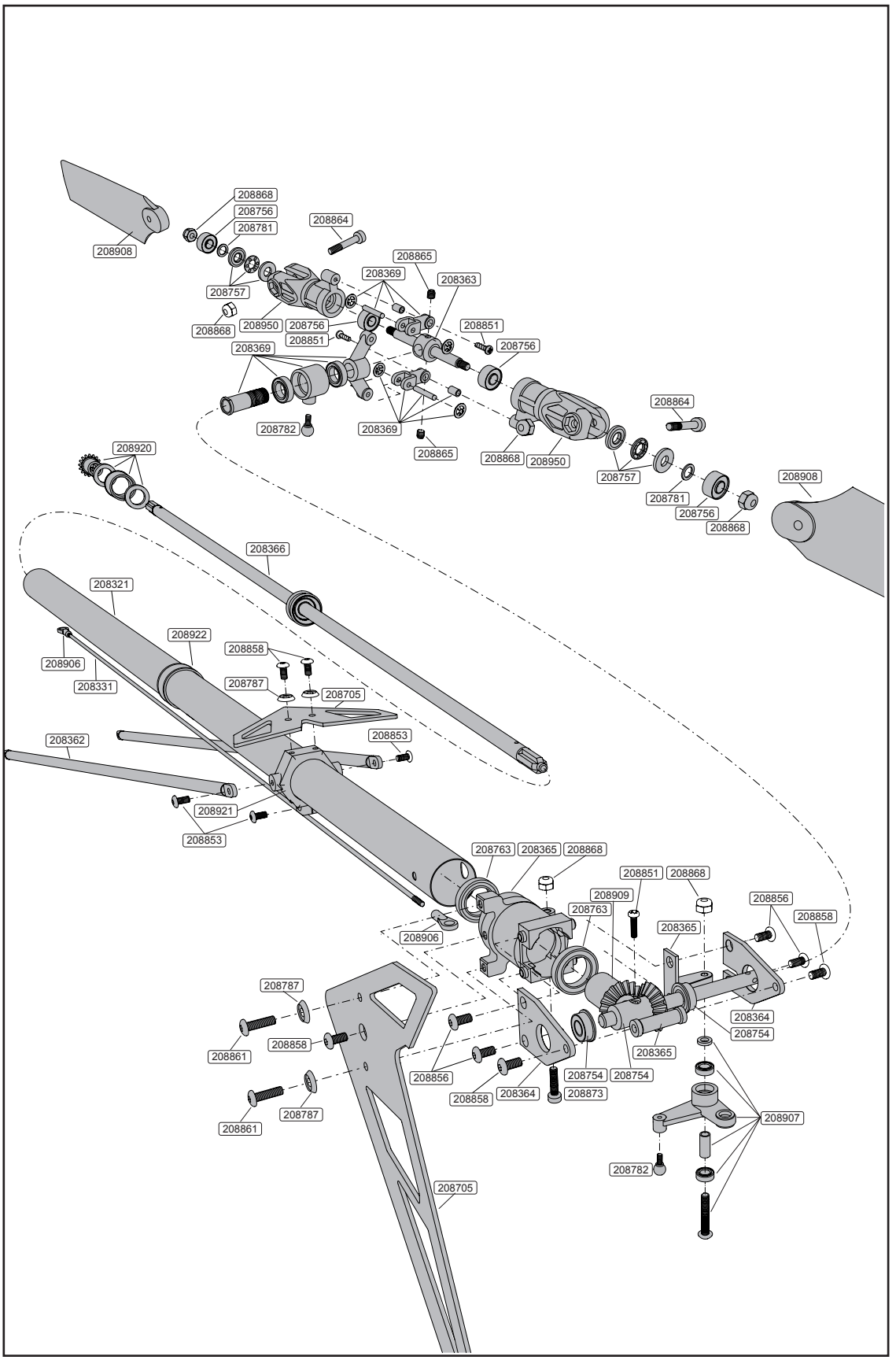
208352	X5 CNC Swashplate Guide (Black anodized)	X5 CNC十字盤滑軌(電鍍黑)
208355	X5 CNC Upper Servo Mount (Silver anodized)	X5 CNC上伺服機座(亮銀)
208356	X5 CNC Lower Servo Mount (Silver anodized)	X5 CNC下伺服機座(亮銀)
208358	X5 Main Gear Hub with One Way B.	X5 主齒輪轂附單向軸承
208359	X5 Motor Mount (Silver anodized)	X5 馬達座(亮銀)
208360	X5 One Way Sleeve Set (Black anodized)	X5 單向鋼套及C型環(電鍍黑)
208368	X5 C-Clip (Set of 6)	X5 C型環(電鍍黑)x6個
208381	Front drive gear set and Pulley Shaft with Steel Gear (15T)	尾傳動導輪軸(15T)附傘齒組
208753	One Way Bearings (12x18x16)	單向軸承(12x18x16)
208760	Bearings Pack (5x11x4)x4	軸承(5x11x4)x4
208762	Bearings Pack (8x14x4)x3	軸承(8x14x4)x3
208852	Mechine Screws-Silver(2x8)x12pcs	十字機械牙螺絲包-銀色(2x8)x12個
208855	Socket Countersunk Screw - Black (M3x6)x10pcs	內六角皿頭螺絲包-黑色(M3x6)x10個
208859	Socket Head Button Screw - Black (M3x7)x10pcs	半圓頭內六角螺絲包-黑色(M3x7)x10個
208864	Semi-threaded Socket Head Cap Screw - Black (M3x16)x10pcs	半牙內六角螺絲包-黑色(M3x16)x10個
208868	Nylon Lock Nut (N3x5.5L)x10pcs	止滑螺帽(N3x5.5L)x10個
208876	Socket Head Cap Screw - Black (M2x5)x10pcs	內六角螺絲包-黑色(M2x5)x10個
208881	Washer(W8x13x2)x5pcs	華司(W8x13x2)x5個
208883	Stainless Washer (W12.2x17x0.2)x10pcs	不鏽鋼華司(W12.2x17x0.2)不鏽鋼x10個
208901	120T Main Gears	120T主齒盤
208903	61T Gear (Set of 2)	61T齒輪(2件組)
208909	X5 Torque Tube Drive Gear Set	X5 尾軸傳動齒輪包


208865
208382
208865
208855
208703
208361
208858
208344
208858
208858
208858
208858
208344
208863
208858
208855
208858
208858
208856
208858
208855
208863
208362
208871
208785
208858
208344
208862
208855
208402
208890
208402
208703
208855
208400
208400
208402
208702
208703
208865
208344
208872
208871
208858
208864
208865
208370
208865
208858
208864
208970
208865
208701
208362
208344
208856
208858
208785
208858
208862
208344
208871
208858
208890
208858

8

208344	X5 Canopy Posts(Silver anodized)(39.5mm)x2 (42.5mm)x2	X5 CNC艙罩支柱(電鍍亮銀)(39.5mm)x2 (42.5mm)x2
208361	X5 CNC Boom Clamps (Silver anodized)	X5 CNC尾管固定座(亮銀)
208362	X5 Tail Supporter Pipes(Silver anodized)	X5 CNC支撐桿(亮銀)
208370	X5 Skid Set (Silver anodized)	X5 滑橇組(亮銀)
208382	Mast Collar Set	主軸輪擋
208400	Alu Square Post with 3mm middle hole (5x5x23.5mm) and Round Post (3x4.8x23mm)	方鋁柱附3mm貫穿孔(5x5x23.5mm)及圓鋁柱(3x4.8x23mm)
208402	Alu Square Post with 3mm thread hole (5x5x23.5mm) and Round Post (3x4.8x23mm)	方鋁柱附3mm牙孔(5x5x23.5mm)及圓鋁柱(3x4.8x23mm)
208701	X5 CF Frame (Right)	X5 碳纖機身側板(右)
208702	X5 CF Frame (Left)	X5 碳纖機身側板(左)
208703	X5 Stiffening Plates and Mounts for electronics	X5 碳纖陀螺儀座及電池座及強化板組
208785	Spacer (3x6x4) x8pcs	襯套(P-3x6x4)x8pcs
208855	Socket Countersunk Screw - Black (M3x6)x10pcs	內六角皿頭螺絲包-黑色(M3x6)x10個
208856	Socket Head Button Screw - Black (M3x4)x10pcs	半圓頭內六角螺絲包-黑色(M3x4)x10個
208858	Socket Head Button Screw - Black (M3x6)x20pcs	半圓頭內六角螺絲包-黑色(M3x6)x20個
208862	Socket Head Button Screw - Black (M3x14)x10pcs	半圓頭內六角螺絲包-黑色(M3x14)x10個
208863	Socket Head Button Screw - Black (M3x18)x10pcs	半圓頭內六角螺絲包-黑色(M3x18)x10個
208864	Semi-threaded Socket Head Cap Screw - Black (M3x16)x10pcs	半牙內六角螺絲包-黑色(M3x16)x10個
208865	Socket Set Screw (M3x3)x10pcs	內六角止付螺絲包-黑色(M3x3)x10個
208871	Socket Head Cap Screw - Black (M3x6)x10pcs	內六角螺絲包-黑色(M3x6)x10個
208872	Socket Head Cap Screw - Black (M3x10)x10pcs	內六角螺絲包-黑色(M3x10)x10個
208890	Canopy Damper x 6pcs	艙罩墊圈x6個
208970	X5 Brace Set	X5 支撐架組

8

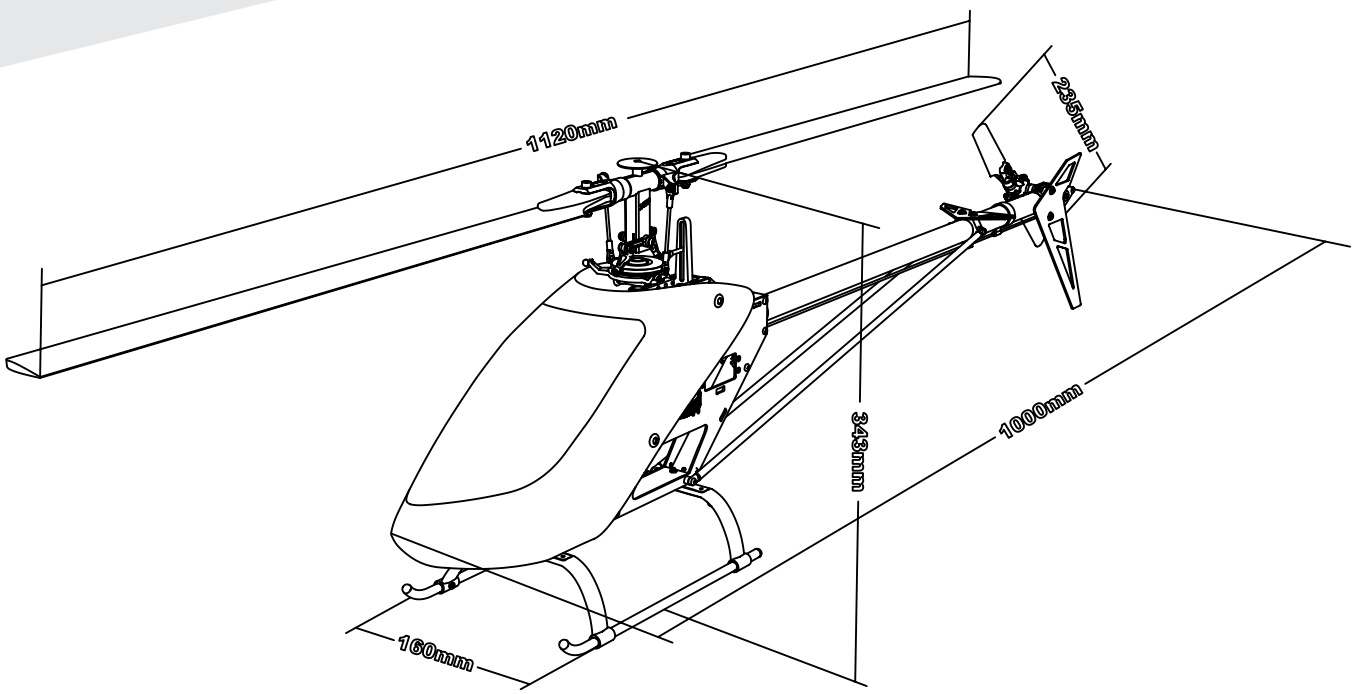

208908
208868
208756
208781
208757
208864
208865
208369
208363
208851
208950
208782
208920
208366
208321
208922
208906
208331
208858
208787
208705
208853
208362
208921
208763
208365
208909
208856
208364
208754
208873
208861
208907

208321	Tail Boom (for X5 Shaft Driven Version-Black anodized)	尾管(X5 軸傳版用-電鍍黑)
208331	Tail Push Rod (2x 567 mm)	尾舵拉桿(2x567 mm)
208362	X5 Tail Supporter Pipes(Silver anodized)	X5 CNC支撐桿(亮銀)
208363	X5 Tail Hub	X5 CNC尾旋翼頭
208364	X5 CNC Tail Fram Set (Black anodized)	X5 CNC左右尾殼板(電鍍黑)
208365	X5 CNC Torque Tube Tail Gear Case	X5 CNC尾軸傳齒輪箱組
208366	X5 CNC Torque Tube with B. (for 500L blades)	X5 CNC尾傳動軸桿組(適用500mm槳)
208369	CNC Tail Pitch Slider Set (for 5mm tail output shaft)	CNC螃蟹夾組(5mm尾軸用)
208705	X5 Fin and Tail Set	X5 碳纖尾翼組
208754	Flange Bearings (F5x10x4)x2	法蘭軸承(F5x10x4)x2
208756	Bearings (4x9x4)x2	軸承(4x9x4)x2
208757	Thrust Bearings (T4x9x4)x2	止推軸承包(T4x9x4)x2
208763	Bearings Pack (12x18x4)x3	軸承(12x18x4)x3
208781	X5 Washer Pack (W6.2x7.6x0.5)(W6.1x10x1.5) (W4.1x10x1.4)(W3.1x4.6x0.6)(W3x6x0.5)(W4.1x6x0.5)	X5 墊片包(W6.2x7.6x0.5)(W6.1x10x1.5) (W4.1x10x1.4)(W3.1x4.6x0.6)(W3x6x0.5) (W4.1x6x0.5)
208782	Stainless (4.8mm) Balls (Long stand x5pcs, Short Stand x5pcs)	不銹鋼(4.8mm)球頭組(長頸x5個及短頸x5個)
208787	Countsunk Washers (3x8x2)x20	沉頭墊片組(3x8x2)x20
208851	Self Taping Screws-Silver (2x8)x12pcs	十字自攻牙螺絲包-銀色(2x8)x12個
208853	Socket Head Button Self Taping Screws - Black (3x8)x10pcs	半圓頭內六角自攻牙螺絲包-黑色(3x8)x10個
208856	Socket Head Button Screw - Black (M3x4)x10pcs	半圓頭內六角螺絲包-黑色(M3x4)x10個
208858	Socket Head Button Screw - Black (M3x6)x20pcs	半圓頭內六角螺絲包-黑色(M3x6)x20個
208864	Semi-threaded Socket Head Cap Screw - Black (M3x16)x10pcs	半牙內六角螺絲包-黑色(M3x16)x10個
208865	Socket Set Screw (M3x3)x10pcs	內六角止付螺絲包-黑色(M3x3)x10個
208868	Nylon Lock Nut (N3x5.5L)x10pcs	止滑螺帽(N3x5.5L)x10個
208873	Socket Head Cap Screw - Black (M3x12)x10pcs	內六角螺絲包-黑色(M3x12)x10個
208906	Ball Links Pack (4.8mm)	拉桿頭(4.8mm)
208907	Tail Pitch Control Lever Set	尾舵角片
208908	Tail Rotor Blade Set (82mm)	尾旋翼(82mm)
208909	X5 Torque Tube Drive Gear Set	X5 尾軸傳動齒輪包
208920	Torque Tube Front Gear Set	尾軸傳動前齒輪組
208922	Rudder Control Guide	拉桿座
208921	Tail Support Clamp	尾管夾
208950	X5 Tail Hub and Grip Assembly	X5 尾旋翼夾頭組

Option / 備品零件		
208201	Touch Fastener (Set of 4)	魔鬼氈(白)4個
208202	Cable Tie with Touch Fastener 1x20cm (Set of 6)	魔術束帶 1x20cm(6件組)
208203	Cable Tie with Touch Fastener 20x285cm (Set of 4)	魔術束帶20mmx285mm(4件組)
208601	(GUEC GM-601) Brushless Motor (1820W-kv910)	(GUEC GM-601)無刷馬達(1820W-kv910)
208620	X5 Servo Horn	X5 伺服機舵角片
208610	(GUEC GE-610)ESC 100A with built-in SBEC	(GUEC GE-610)電子變速器 100A (內建SBEC)
Black Glass fiber parts / GF 玻璃纖維零件區(黑)		
208707	X5 Right GF Frame (1.6mm)	X5 黑玻纖機身側板(右)(1.6mm)
208708	X5 Left GF Frame with Metal parts (1.6mm)	X5 黑玻纖機身側板含附件(左)(1.6mm)
208709	X5 Stiffening Plates and Mounts for electronics (1.6mm)	X5 黑玻纖陀螺儀座及電池座及強化板組 (1.6mm)
208710	X5 Fiber Fin and Tail(1.6mm)	X5 黑玻纖尾翼組(1.6mm)
208711	X5 Servo Mounting Plates(1.6mm)	X5 黑玻纖伺服機固定片(1.6mm)
208712	X5 fiber Caonpy Plate (Set of 4)(1.6mm)	X5 黑玻纖艙罩固定片(4件組)(1.6mm)
Painted Canopy / 彩繪頭罩區		
208800	X5 Canopy (Black and White)	X5 玻纖黑白噴漆座艙組
208801	X5 FRP Painted Canopy(A Type)	X5 玻纖彩繪噴漆座艙組(A型)
208802	X5 FRP Painted Canopy(B Type)	X5 玻纖彩繪噴漆座艙組(B型)
208803	X5 FRP Painted Canopy(C Type)	X5 玻纖彩繪噴漆座艙組(C型)
208804	X5 FRP Painted Canopy(D Type)	X5 玻纖彩繪噴漆座艙組(D型)
Parts for belt-drived version / 皮帶配件區		
208322	X5 Guide Wheel Assembly	X5 導輪
208323	Tail Boom (for X5 Belt Version-Black anodized)	尾管(X5 皮帶版用-電鍍黑))
208332	Tail Push Rod (2x 605 mm)	尾舵拉桿(2x605 mm)
208379	X5 Tail Output Shaft with Pulley	X5 尾軸附皮帶輪組
208882	Tail Output Shaft Washer(W5x8x1.25)x4pcs	尾軸華司(W5x8x1.25)x4個
208911	X5 Tail Rotor Bel	X5皮帶 572XL
208914	X5 Tail Gear Case Set	X5 尾殼
208915	X5 Flybar Paddles Set	X5 平衡翼
208916	X5 Fin & Stabilizer Set	X5 尾翼
208923	X5 Tail Pulley Set	X5 尾皮帶輪
208924	X5 Tail Pitch Assembly(for 5mm)	X5 螃蟹夾組(5mm尾軸用)
208925	X5 Front Pulley Set	X5 前皮帶輪
208950	X5 Tail Hub and Grip Assembly	X5 尾旋翼夾頭組

Please refer to official website or contact us for the latest news
of GAUI products, the contents or equipments of the products
actual packaged product may change and different from this manual.
本說書內的材質、規格，零件包裝之內容物僅供參考組裝用。
泰世科技將不對此印刷物之任何異動更新負責，請以泰世科技公告為主。
謝謝您的愛護與支持。

www.gaui.com.tw



TAI SHIH HOBBY CORPORATIOM http://www.gaui.com.tw E-mail:gaui@gaui.com.tw FAX:+886-2-2610-5567

GAUI FES

MADE IN TAIWAN