

Specifications	規格
Overall Length (with Canopy): 690 mm	機身長度(含艙罩):690 mm
Main Rotation Diameter: 738 ~ 808 mm	主旋翼迴轉直徑:738 ~ 808 mm
Main blade length: 315 ~ 360 mm	主旋翼長度:315 ~ 360 mm
Overall Height: 230 mm	機身高度:230 mm
Overall Width: 190 mm	機身寬度:190 mm
Tail Blade Length: 62 mm	尾旋翼葉片長度:62 mm
Tail Rotation Diameter: 164 mm	尾旋翼迴轉直徑:164 mm
Flight duration: 3~4 minutes (3D flight)	飛行時間:3~4分鐘(3D飛行)
Power system (recommended):	動力系統(原廠建議):
ESC: Minimum 40A ESC	1. 適用40A以上的電子變速器
LiPo battery (max size: 34 x 34 x 110mm):	2. 鋰聚電池(110x34x34mm)及馬達規格:
3S 11.1V 2000~2300mAh (3400~4000kV BL motor)	11.1V 3S 2000~2300mAh (適合3400~4000 KV 無刷馬達)
6S 22.2V 1000~1400mAh (1300~1800kV BL motor)	22.2V 6S 1000~1400mAh (適合1300~1800 KV 無刷馬達)
Total weight: 465g ±3% (kit with canopy,	全配重量: 465g ±3% (不含電池&電子裝備&主獎)

We recommend downloading and using the latest manual from Official GAUI website's download area.

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.

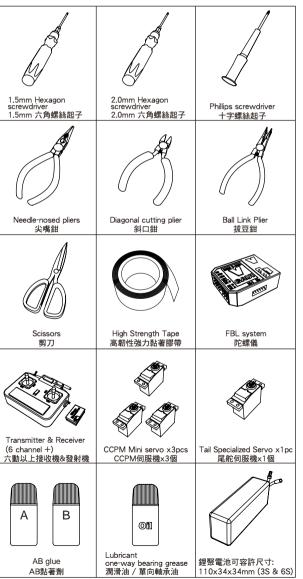
w/o all electronics, blades and batteries.)

我們建議您從 GAUI 官方網站的下載區下載, 並使用最新的手冊。

本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。



Preface / Liability 前言/免責聲明	/ Disclaimer		Motor assembly 馬達組裝		P.17
Academy of Mod	lel Aeronautics (A	MA)	Tail case assembly 尾殼組裝		P.18
Main shaft moun 主軸板組裝	ts assembly	P.1	Tail boom assembly 尾管組裝	/	P.21
Frame assembly 機體組裝		P.3	Support rods asser 支撐桿組裝	nbly	P.23
Main gear assem 主齒盤組裝	nbly	P.9	Tail push rod assen 尾拉桿組裝	nbly	P.24
Main rotor grip as 主旋翼頭組裝	ssembly	P.11	Electronics installat 電裝配置	ion	P.26
Canopy post ass 艙罩支柱組裝	embly	P.16	Mini Servo Installat 迷你伺服機組裝	ion	P.27
			Apply lubricant	Apply general thread lock.	Apply AB glue
64	1 64		依個人需求使用潤滑油。	Apply general infeat lock. 一般型止鬆劑	使用AB黏著劑







Tighten screw and apply thread lock.

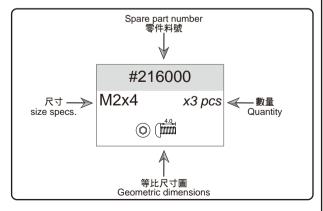
一般型止鬆劑 鎖緊螺絲並確認上膠



Apply general thread lock. Apply anaerobic adhesive. 使用特殊型缺氧膠。

Assembly package 組裝對應包裝袋碼







Thank you for purchasing GAUI RC Helicopter from Tai Shih Hobby Corporation (TSH).

We hope you will enjoy the joy of flight.

In order to understand full assembly sequences, this instruction manual show the assembly information of this model, even though some elements might be supplied as pre-assembled.

Please refer to manual whenever carrying out maintenance or replacing parts. 感謝您購買泰世科技出品的 GAUI 飛行器,我們希望您可以盡情享受飛行的樂趣。 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 RC Helicopter is not a toy.

警告:這台遙控飛行器不是玩具。

SAFETY PRECAUTIONS

This kit includes some pre-assembled 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 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,請向購買的模型店或是當地的泰世代理商連絡。 在您進行遙控活動時,請先詳細瞭解與遵守當地遙控模型的相關法規。

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 RC 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 RC Helicopter assumes all responsibility and liability that result from the correct or incorrect operation of the RC Helicopter.

免責聲明

本產品是無線遙控的飛行器。

不當的操作,保養或是組裝有可能導致遙控多旋翼飛行器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飛行器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飛行器:居家房屋附近、天候不佳時、非空曠區域、樹木、電線竿

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

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。

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飛行器。



The Academy of Model Aeronautics (AMA) is a national organization representing modelers in the United States.

Please refer to the National Model Aircraft safety code from AMA Member Manual for details: http://www.modelaircraft.org/files/memanual.pdf

Partially reprinted rules that are especially pertinent for Radio Controlled flight:

RADIO CONTROL

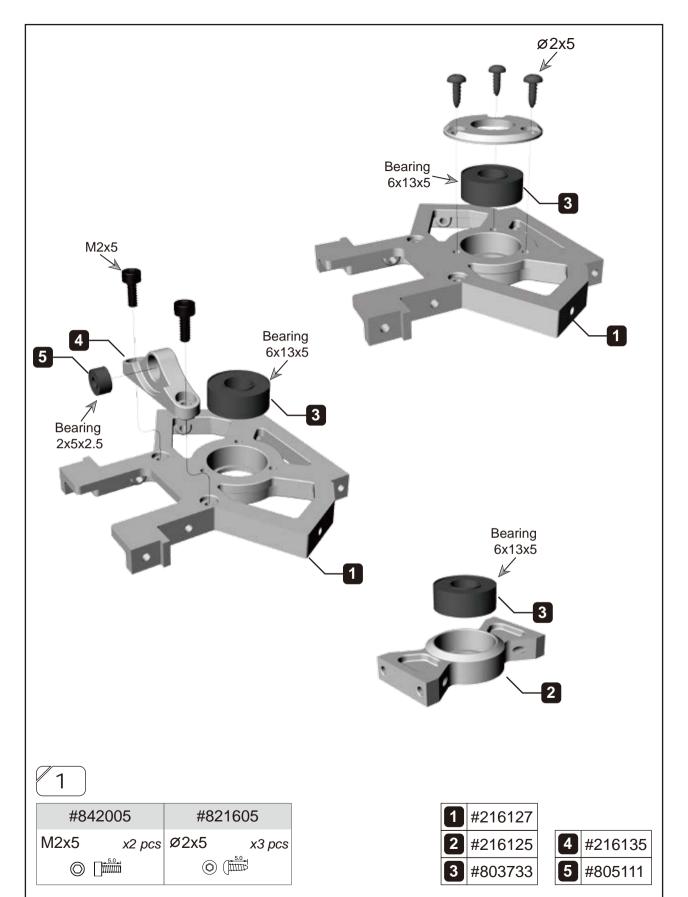
- 1. All pilots shall avoid flying models over unprotected people.
- 2. I will complete a successful radio equipment ground-range check in accordance with the manufacturer's recommendations before the first flight of a new or repaired aircraft.
- 3. At all flying sites a safety line or linesmust be established, infront 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 pre-existing 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.

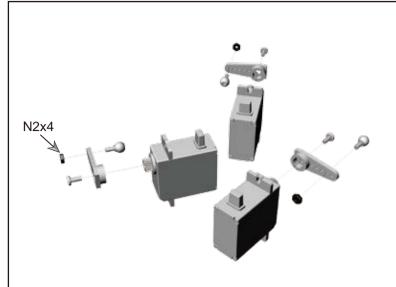
Academy of Model Aeronautics 5161 East Memorial Drive Muncie, IN 47302

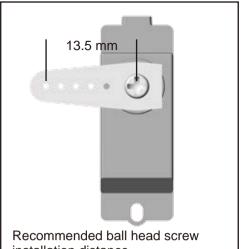
Tel.: (765) 287-1256 Fax: (765) 289-4248



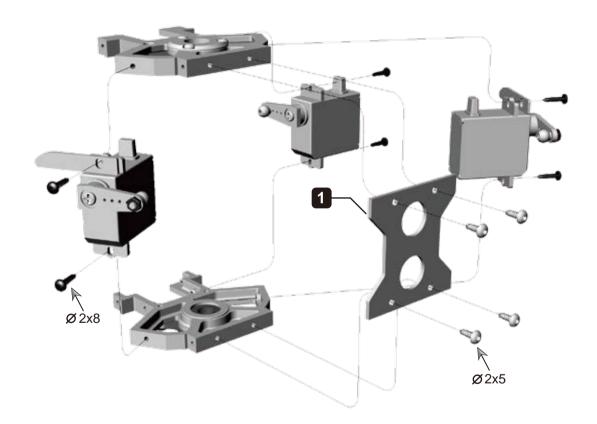








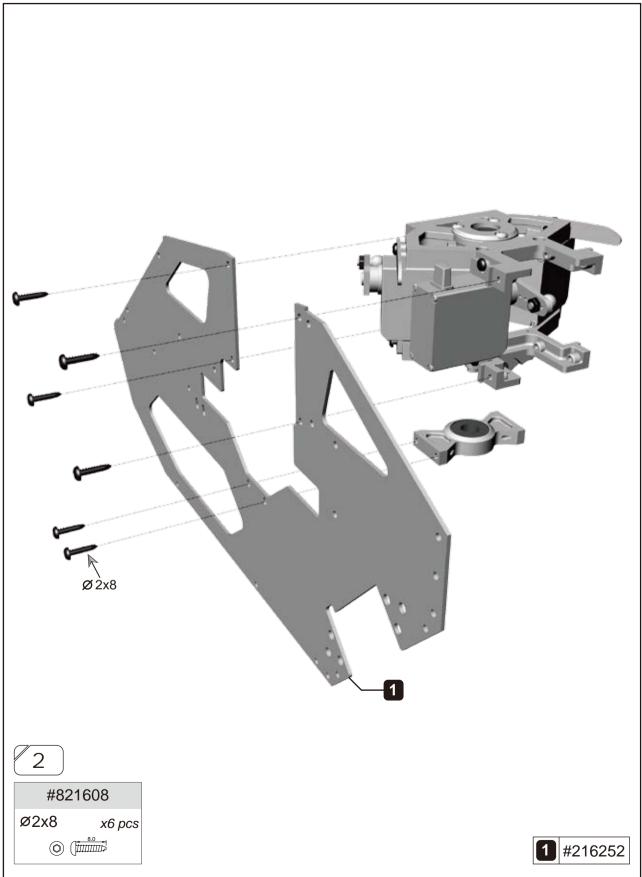
Recommended ball head screw installation distance. 建議球頭安裝參考距離。



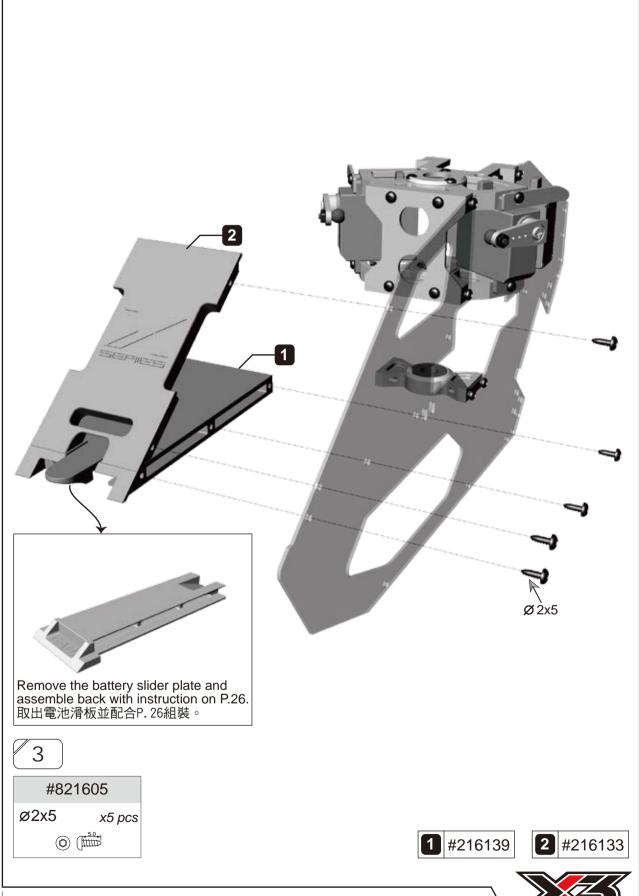
#821608		#82	1605	#884001		
Ø2x8	x6 pcs	ø2x5	x4 pcs	N2x4	x3 pcs	
()	8.0 H	()	111111111111111111111111111111111111111		0	

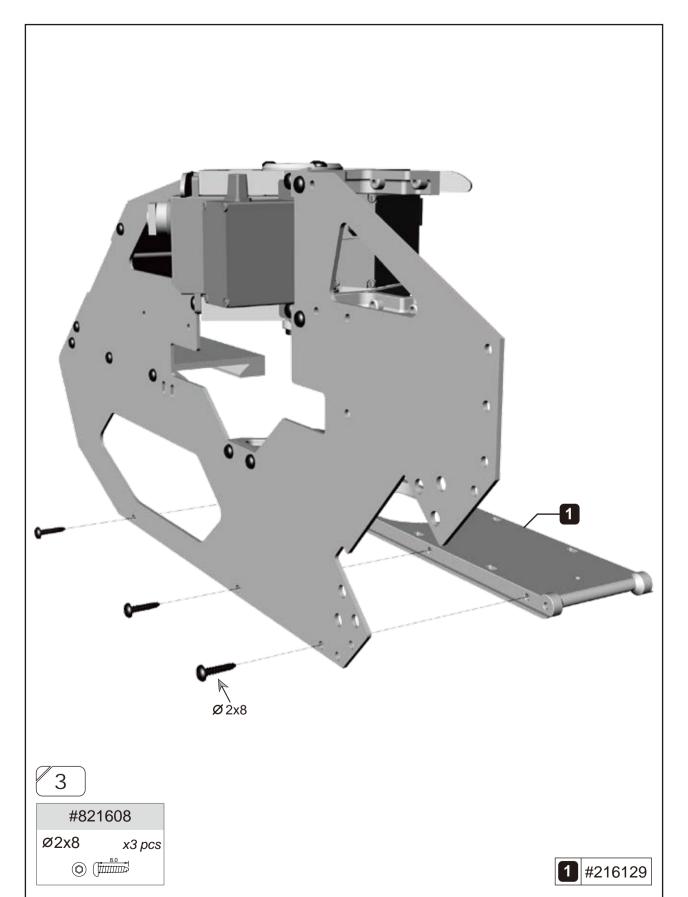




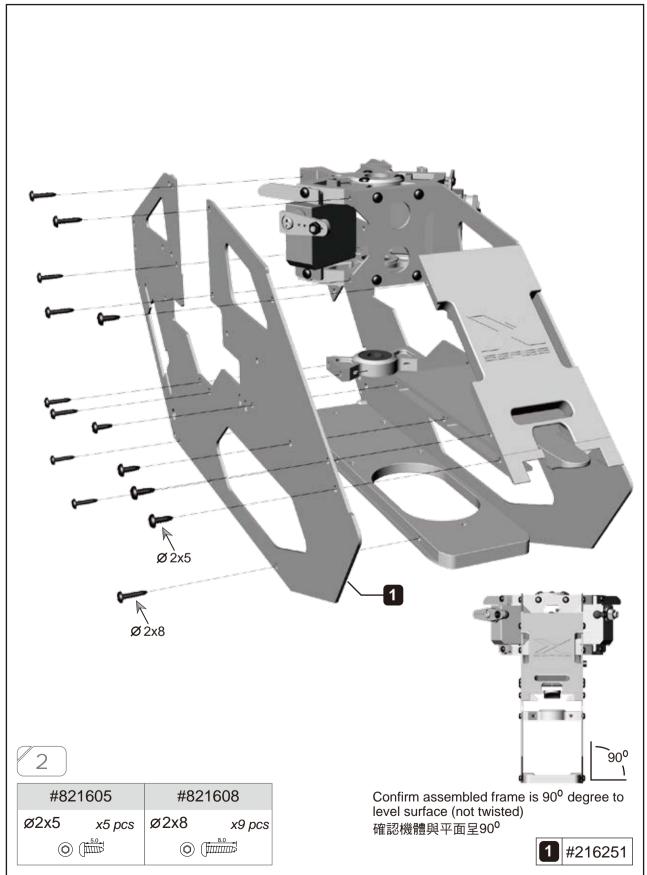




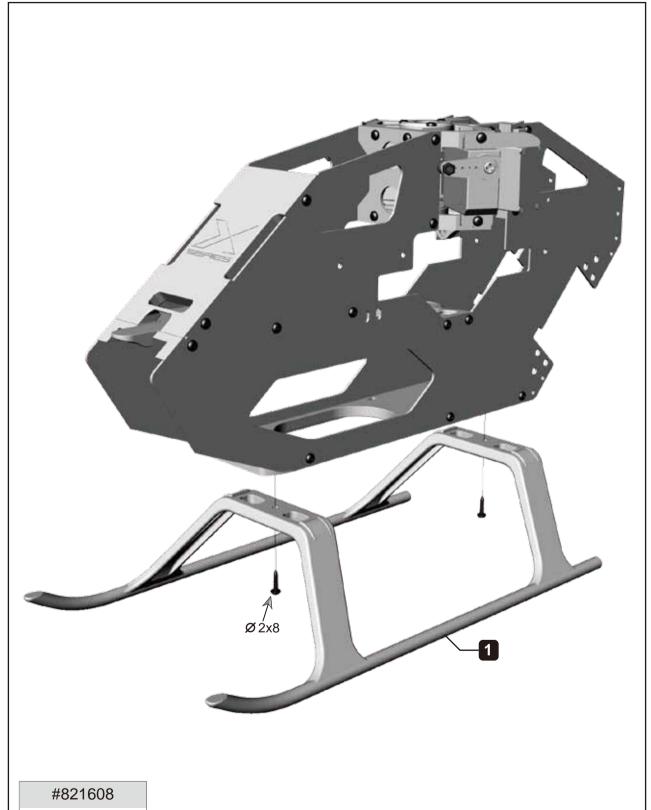








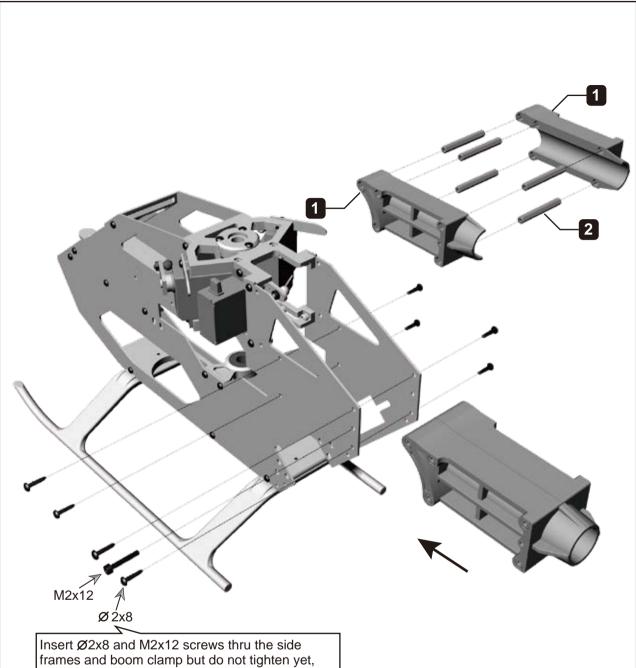




ø2x8

x2 pcs





Insert Ø2x8 and M2x12 screws thru the side frames and boom clamp but do not tighten yet, wait until step in P.22 where the boom in installed and adjusted before tightening these screws. 將Ø2x8跟M2x12穿過碳纖側板並鎖入管夾組,不鎖緊待P.22組裝尾管時一並鎖緊固定。

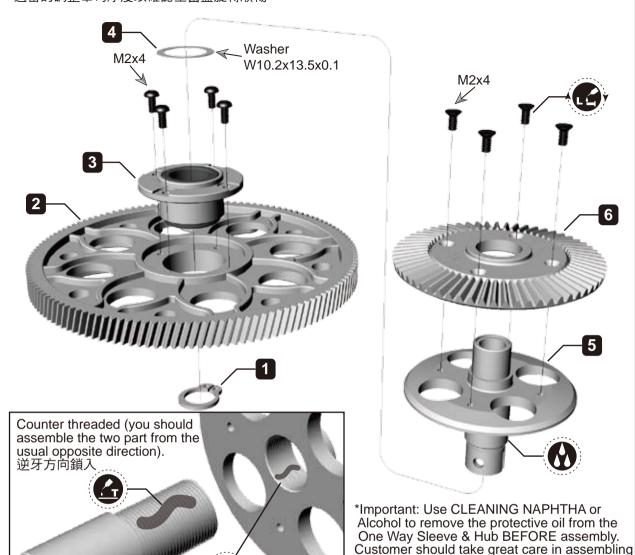
#821	608	#842012			
ø2x8	x8 pcs	M2x12	x1 pcs		
()	8.0		12.00		







Adjust with different washers and double check smooth operation of the main gear assembly 適當的調整華司厚度以確認主齒盤旋轉順暢。



When handled with care, the two parts should be able to be assembled together just by hand, no tool needed at the beginning.

Use tool to do the final tightening when the hubis all the way to the bottom.

Notice ample anaerobic glue should be used on both the Hub and the One Way Sleeve, excess glue wiped off after sitting for 1 hour.

The assembled part needs at least 24hours to dry and cure before use.

使用去汙劑去除上輪鼓及單向鋼套鎖牙處的保護油,在使用內附的缺氧膠塗抹於上輪鼓及單向鋼套 鎖牙處,並確認鎖入至底,放置1小時後擦除表面殘膠並靜置24小時後才可組裝飛行。

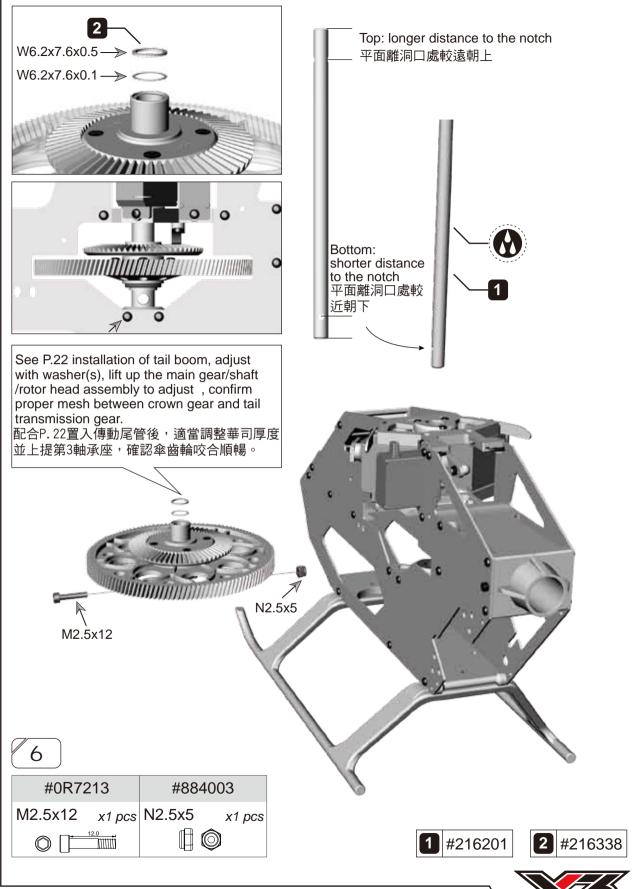
#842	2004	#832240		
M2x4	x4 pcs	M2x4	x4 pcs	
	4.0	(1)		

1	#216351
2	#216182
3	#216114

the two parts together and not forcefully (it will damage the threads making the part

4	#216338
5	#216111
6	#216181



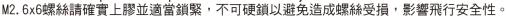


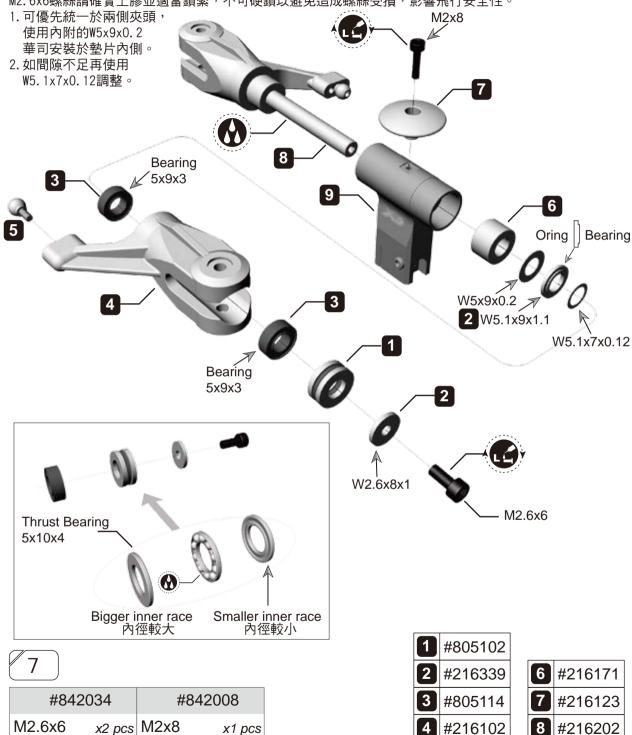
Make sure M2.6x6 screw is secured with glue and tightened with moderate/proper force. Do not over-tighten screw and strip it or it may become a flight safety risk.

1. One can use in priority the included W5x9x0.2 washers on both side of the rotor head / blade grips to adjust the gap

adjust the gap.

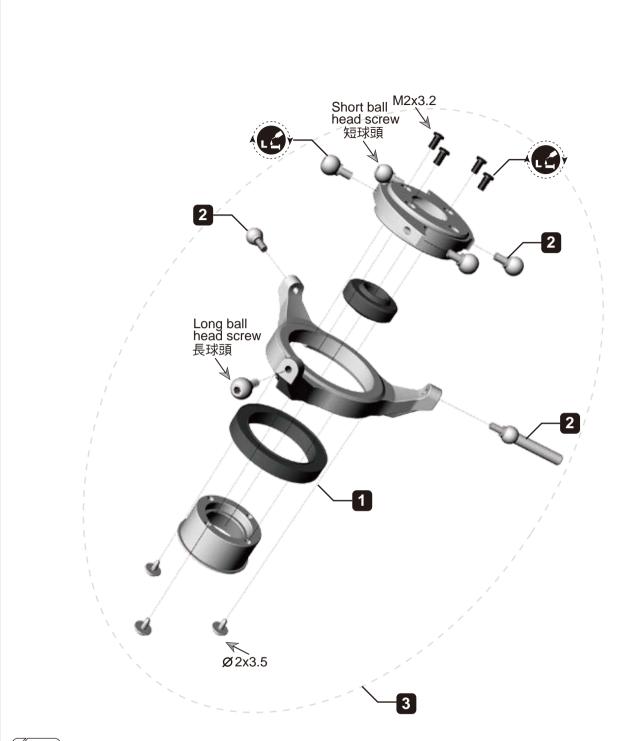
2. If there is still gap, one can use in addition W5.1x7.0.12 washer for further adjustment of gap problem. Notice the sequence and placement of these adjustment washers.







#883552



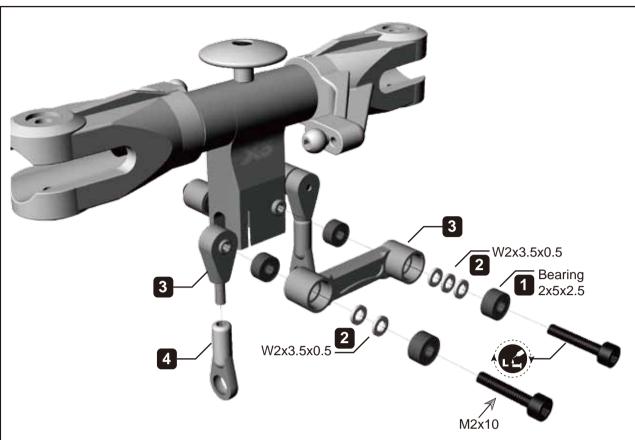
78

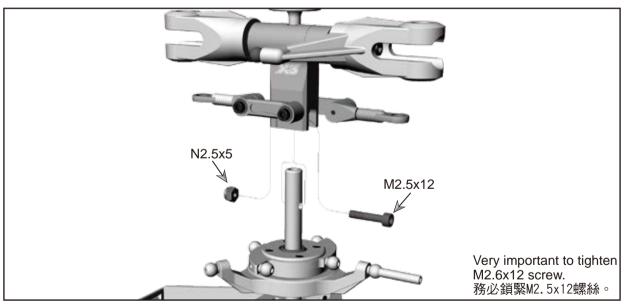
#8322	232	#216104			
M2x3.2	x4 pcs	ø2x3.5	x3 pcs		









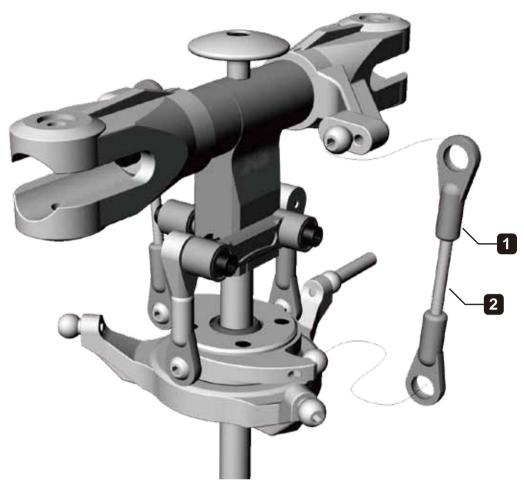


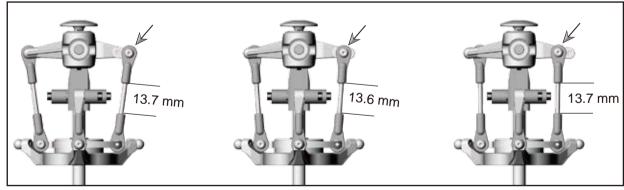
#84201	10	#0R72	13	#8840	003		
M2x10	x4 pcs	M2.5x12	x1 pcs	N2.5x5	x1 pcs	1	#
						2	#









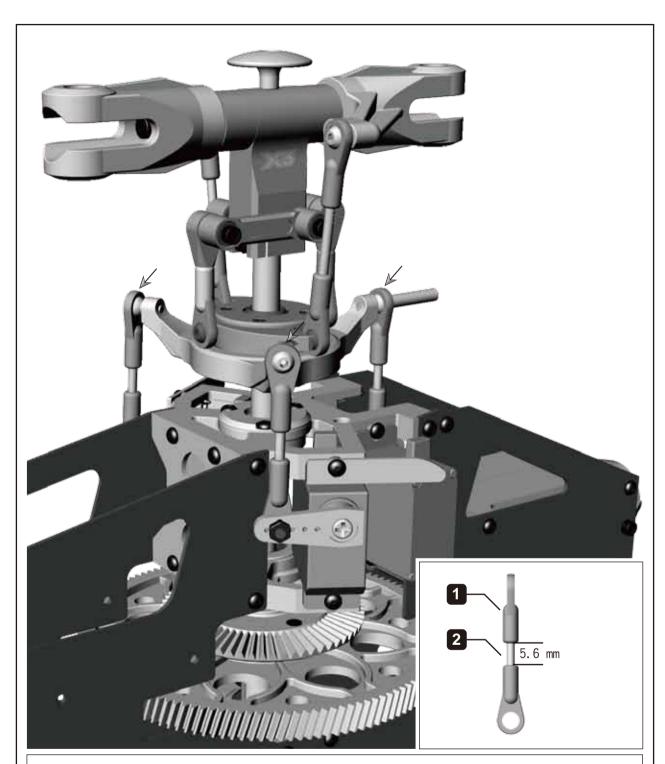


Different ball head installation on grip lever affects flight response, adjust position according to pilot own preference. However the same position must be selected for both grip levers. 不同的球頭位置會影響飛行的反應速度,請依個人需求調整適當的位置。兩組主旋翼槳夾的球頭需同位置。







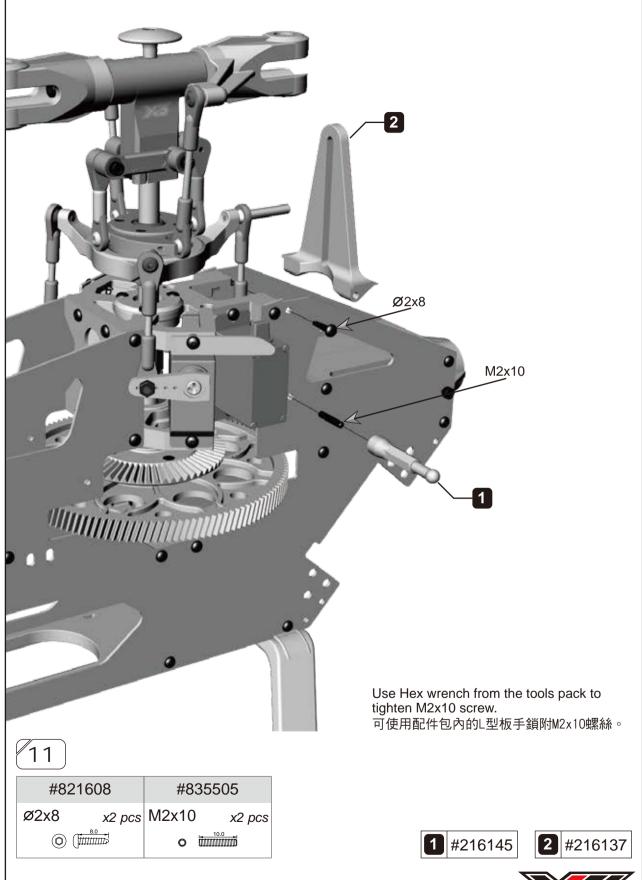


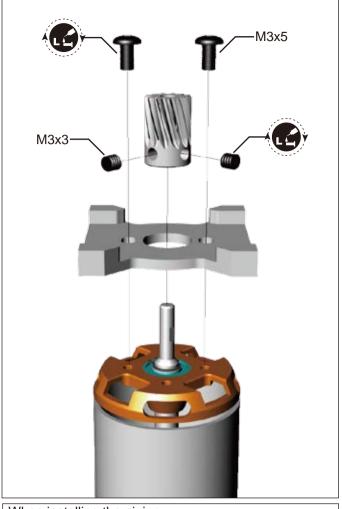
- 1. Assemble the 3 CCPM ball links and clip onto place. 1. 組裝3組CCPM拉桿並扣上。













When installing the pinion confirm the position of pinion/ main gear as pictured below.

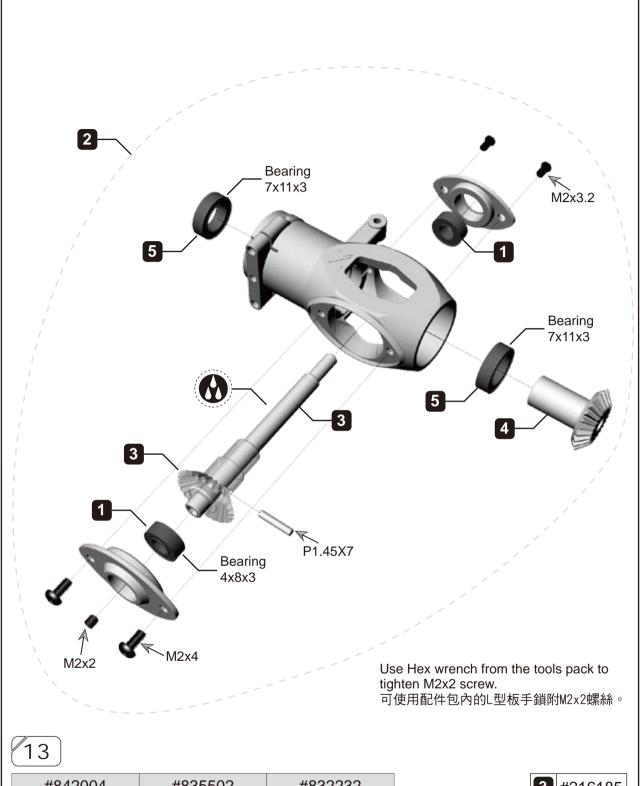
安裝完成時需確認馬達齒位置如下圖。 **Gear Ratios** 齒輪傳動比 9T 14.55:1:4.69 10T 13.10:1:4.69 11T 11.90:1:4.69 12T 10.91:1:4.69 One can use a small strip of paper to adjust the pinion / main gear mesh to be around 0.1mm. 可使用1張紙滾入齒輪之間



/12

#842004		#842	018	#842029		
M2x4 x4 pcs		M3x5	x2 pcs	М3х3	x2 pcs	
				0	m	





#842004		#835502			#832232			
M2x4	x2 pcs	M2x2		x1	pcs	M2x3.2		x2 pcs
		0	2.9			⊕		

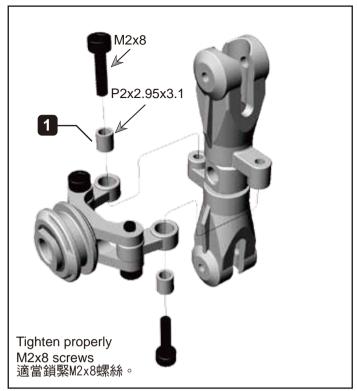
1	#805112
2	#216119

3	#216185
4	#216186
5	#805115

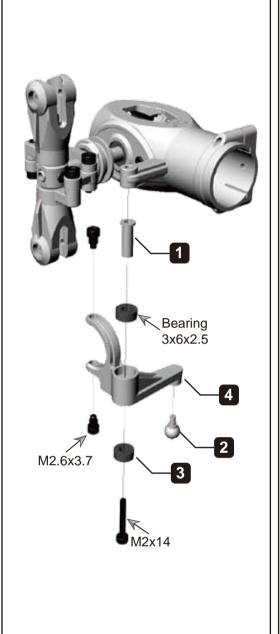


Make sure M2.6x6 screw is secured with glue and tightened with moderate/proper force. Do not over-tighten screw and strip it or it may become a flight safety risk. M2x5螺絲請確實上膠並適當鎖緊,不可硬鎖以避免造成螺絲受損,影響飛行安全性。 Tighten properly P2x2.95x3.1 M2x8 screws 適當鎖緊M2x8螺絲 W5.1x7x0.7 Bearing 5x8x2.5 M2x8 Thrust Bearing 3x6x2.8 W3.1x4.6x0.6 Bearing 3x6x2.5 V2x3.5x0.5 Bigger inner race Smaller iner race 內徑較小 內徑較大 M2x5 14 #216117 #842005 #842008 #216341 **5** #805103 x2 pcs M2x8 M2x5 #216115 #805107 x2 pcs #805113 #216339







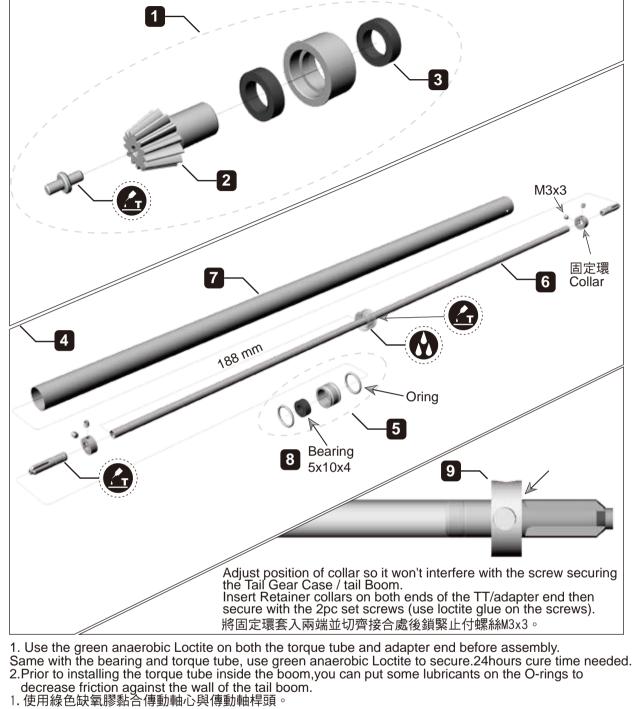


#842008	3	#842029		
M2x8 x2 pcs		M3x3 x1 pc		
#842014	4	#216143		
M2x14 x1 pcs		M2.6x3.7 x2 pcs		

1	#216341
2	#883552

3	#805107
4	#216143





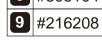
2. 置入傳動軸心時可在橡膠圈上塗上潤滑油,減少橡膠摩擦力。

[16]	(17)
#84	2029
М3х3	x4 pcs
	30

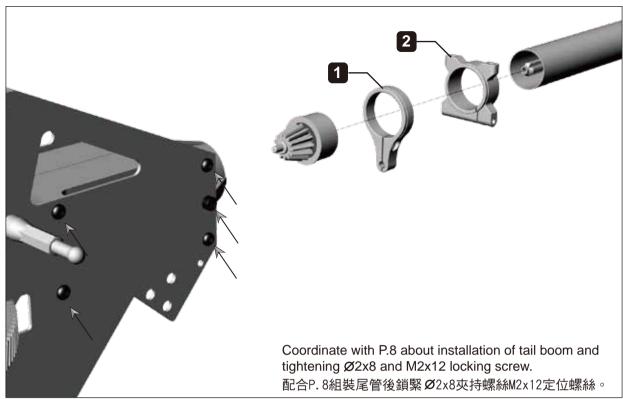
1	#216184
2	#216183
3	#805115

4 #216205

6	#216206
7	#216204
8	#805104

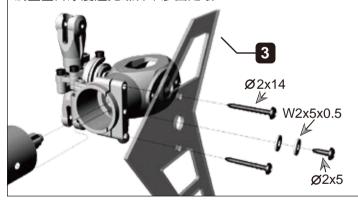


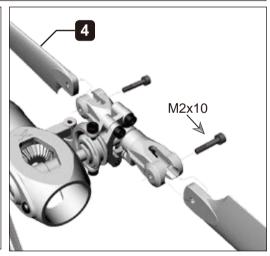




Use adjustment washers to avoid screw interfering with the torque tube collar.

調整墊片厚度避免螺絲干涉固定環。





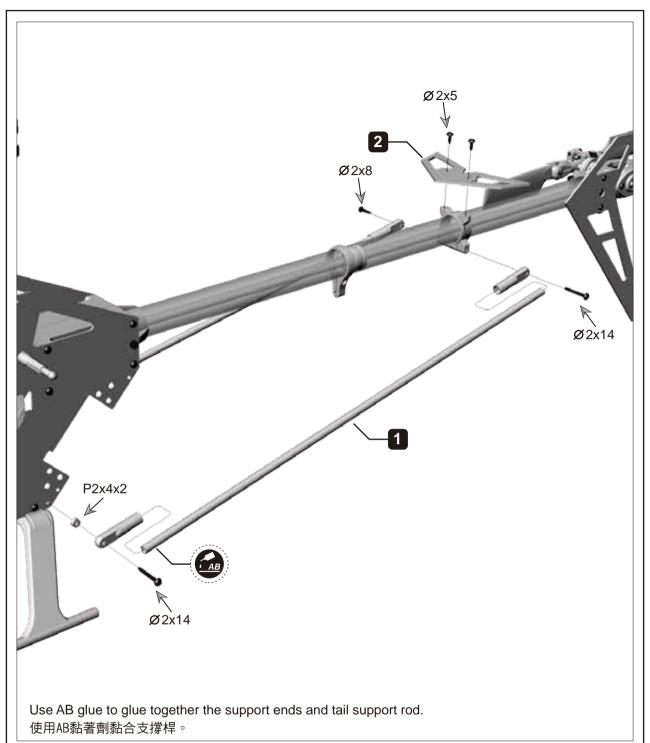
17 18

#8216	605	#821614		
Ø2x5 x1 pcs		Ø2x14 x2 pcs		
	<u>IID</u>	() () 14.0 ·		
#8420	009	#2162	08	
M2x10 x2 pcs		W2x5x0.5 x2 pcs		
	10.0			

1	#216210

3	#216254
4	#216161





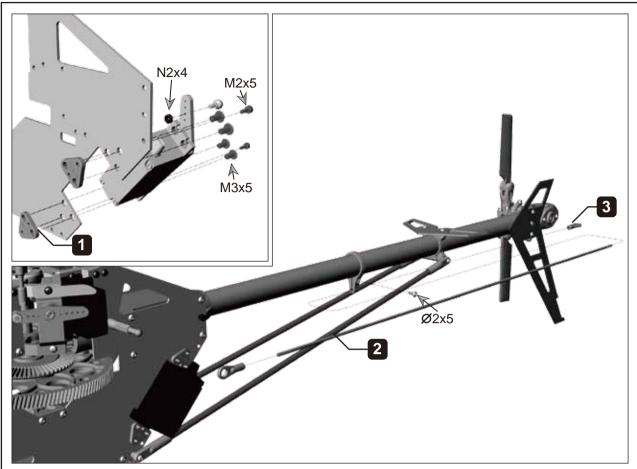
16 17 18

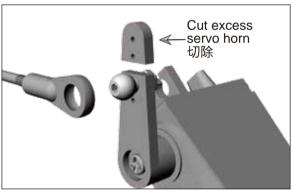
#821605		#821608		#821614	
ø2x5	x2 pcs	ø2x8	x5 pcs	ø2x14	x3 pcs
() () () () () () () () () ()			8.0 		14.0

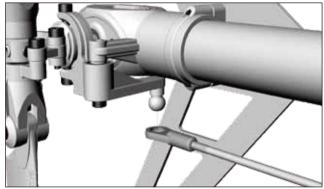












[16] [17]

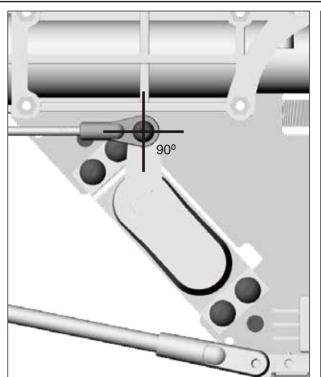
#842	2008	#84	2018		
M2x8	x2 pcs	M3x5	x4 pcs		
#842005		#884001		#82	1605
M2x5 x2 pcs		N2x4 x1 pcs		ø2x5 x1 pcs	
				© () 5.0	

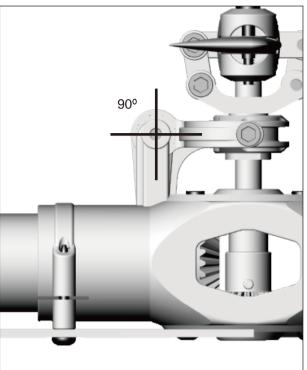


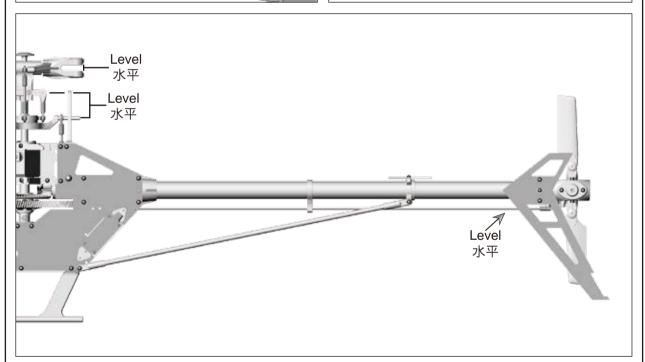






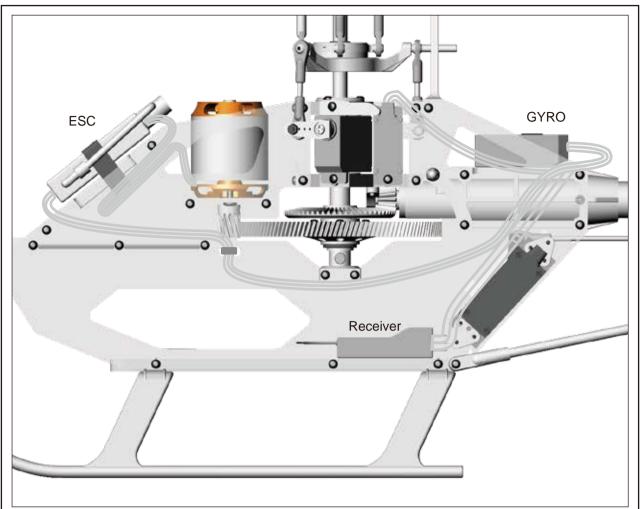


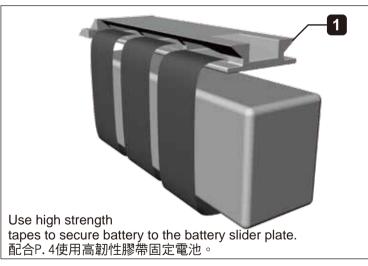


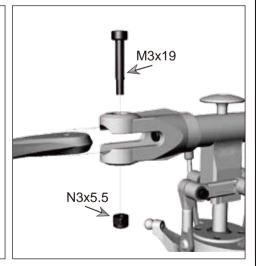


After installation of the tail push rod, double check all the parts are leveled as depicted above. 安裝尾拉桿完成後,請確認各部位設定值如上圖。



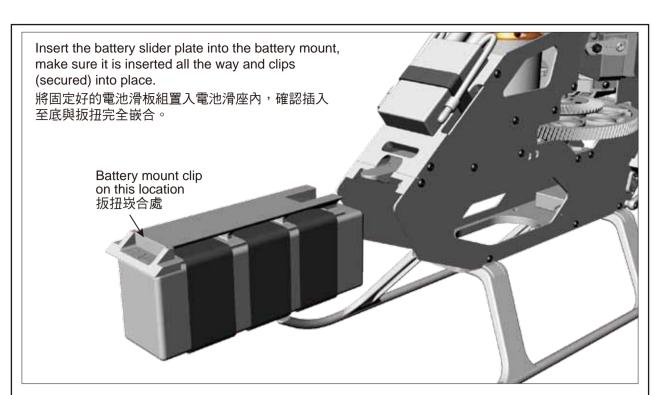


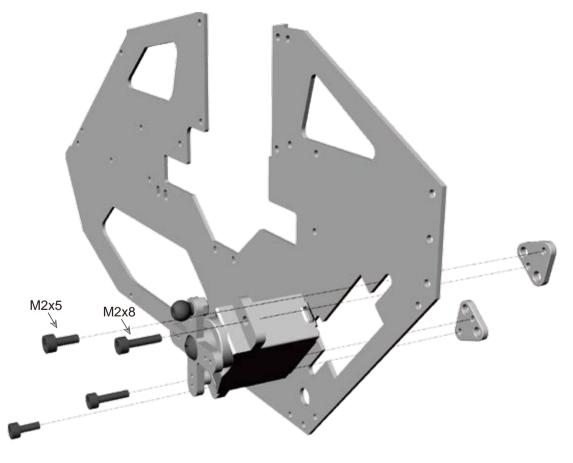




#842035		#810003	
M3x19		N3x5.5L	x2 pcs











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