

# TAROT

# 600 HELICOPTER INSTRUCTION MANUAL

## 使用说明书



Thank you for buying Tarot products. the Tarot 600 helicopter is the latest technology in Rotary RC models. Please read this manual carefully before assembling and flying the new Tarot 600 helicopter. We recommend that you keep this manual for future reference regarding tuning and maintenance.




欢迎选购塔罗航空科技系列产品。进入遥控世界之前必须告诉您许多相关的知识与注意事项,以确保您能够在学习的过程中较得心应手。在开始操作之前,请务必详阅本说明书,相信一定能够给您带来相当大的帮助也请您妥善保管这本说明书,以作为日后参考。

Please download the manual for assembly this helicopter.  
下载电子说明书能更好的装配这台直升机。

Thank you for buying TAROT Products . The TAROT Helicopter is designed as an easy to use, full featured Helicopter R/C model capable of all forms of rotary flight . Please read the manual carefully before assembling the model, and follow all precautions and recommendations locate within the manual . Be sure to retain the manual for future reference , routine maintenance, and tuning . The TAROT Helicopter is a new product developed by FeiYue.It features the best design available on the Micro-Heli market to date,providing flying stability for beginners , full aerobatic capability for advanced fliers , and unsurpassed reliability for customer support.

感谢您选购TAROT产品，为了让您容易方便的装配TAROT 直升机，请您参考详细的阅读完这本说明书之后在进行组装以及操作这台直升机，同时请您妥善的保存这本说明书，作为日后进行调整以及维修的参考，不论您是需求飞行稳定性的初学者还是追求性能的飞行爱好者。TAROT 直升机 将是您最佳的选择。

#### THE MEANING OF SYMBOLS 标志代表含义

	<b>Mishandling due to failure to follow these instructions may result in damage or injury.</b> 因为疏忽这些操作说明，而使用错误可能造成财产损失或严重伤害。
	<b>Mishandling due to failure to follow these instructions may result in danger.</b> 因为疏忽这些操作说明，而使用错误可能造成危险。
	<b>Do not attempt under any circumstances.</b> 在任何禁止的环境下，请勿尝试操作。

#### IMPORTANT NOTES 重要声明

R/C helicopters, including the TAROT Helicopter are not toys. R/C helicopter utilize various high-tech products and technologies to provide superior performance. Improper use of this product can result in serious injury or even death. Please read this manual carefully before using and make sure to be conscious of your own personal safety and the safety of others and your environment when operating all TAROT products. Manufacturer and seller assume no liability for the operation or the use of this product. This product is intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sale of this product we cannot maintain any control over its operation or usage.

As the user of this product, you are solely responsible for operating it in a manner that does not endanger yourself and others or result in damage to the product or the property of others TAROT Helicopter

TAROT遥控直升机并非玩具,它是结合了许多高科技产品所设计出来的休闲用品,所以商品的使用不当或不熟悉都可能会造成严重伤害甚至死亡,使用之前请务必详细阅读本说明书,勿忽视并注意自身安全。注意!任何遥控直升机的使用,制造商和经销商是无法对使用者于零件使用的损耗异常或者组装不当所发生的意外负任何责任,本产品是为提供有操作过模型直升机经验的成人或有相当技术的人员在旁指导于当地合法遥控飞行场飞行,以确保安全无误下操作使用,产品出售后本公司将不负任何责任和操作和使用控制上的任何性能与安全责任。

作为本产品的使用者,您,是唯一一对对自己操作的环境及行为负全部的责任的人。

we recommend that you obtain the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. Any damage or dissatisfaction as a result of accidents or modification are not covered by any warranty and cannot be returned for repair or replacement. Please contact our distributors for free technical consultation and parts at discounted rates when you experience problems during operation or maintenance. As TAROT Corporation Limited has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability

模型商品属于需要较高操作技术且为消耗性的商品,如果拆装使用后,会造成不等情况的零件损耗,任何使用情况所造成商品不良或不满意,将无法于保固条件内更换新品或退货。对使用者的不当使用、设定、组装、修改、或操作不良所造成的破损或危害,本公司无法控制及负责。任何使用、设定、组装、修改或操作不良所造成的破损、意外或伤害,使用者应承担全部责任。

#### 600 ISAFETY NOTES



Fly only in safe areas, away from other people, Do not operate R/C aircraft within the vicinity of homes or crowds of people. R/C aircraft are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation or as a result of R/C aircraft models.

Prior to every flight, carefully check rotorhead spindle shaft screws and tail blade grip screws, linkage balls and screws, ensure they are firmly secured.

遥控模型飞机、直升机属于高危性商品,飞行时务必远离人群,人为组装不当或零件损坏、电子控制设备不良,以及操作上的不熟悉、都可能导致飞行失控损伤等不可预期的意外,请操作者务必注意飞行安全,并需了解由自己疏忽所造成的任何意外的责任。

每趟飞行前仔细检查,主旋翼夹座横轴螺丝、尾旋翼夹座螺丝、以及机身各个部位球头、螺丝,确保上胶锁紧才能升空飞行。





### LOCATE AN APPROPRIATE LOCATION 远离障碍物以及人群

R/C helicopters fly at high speed, thus posing a certain degree of potential danger. Choose a legal flying field consisting of flat, smooth ground without obstacles. Do not fly near buildings, high voltage cables, or trees to ensure the safety of yourself, others and your model. For the first practice, please choose a legal flying field. Do not fly your model in inclement weather, such as rain, wind, snow or darkness.

直升机飞行时具有一定的速度, 相对的也潜在着危险性, 场地的选择也相对的重要, 请遵守当地法规到合法遥控飞行场地飞行。务必选择在空旷合法专属飞行场地, 必须注意周围有没有人、高楼、建筑物、高压电线、树木等等, 避免操控的不当造成自己与他人的财产损坏。请勿在下雨、打雷等恶劣天气下操作, 以确保本身及机体的安全。



### NOTE ON LITHIUM POLYMER BATTERIES 锂聚合物电池注意事项

Lithium Polymer batteries are significantly more volatile than alkaline or NI-Cd/Ni-MH batteries used in RC applications. All manufacturer's instructions and warnings must be followed closely. Mishandling of Li-Po batteries can result in fire. Always follow the manufacturer's instructions when disposing of Lithium Polymer batteries.

锂聚合物电池跟一般在RC使用的碱性电池、镍镉电池、镍氢电池比较起来是相对危险的。请严格遵守锂聚合物电池说明书的使用注意事项。不恰当使用锂聚合物电池, 可能会造成火灾并危及生命财产安全, 切勿大意!



### PREVENT MOISTURE 远离潮湿环境

RC models are composed of many precision electrical components. It is critical to keep the model and associated equipment away from moisture and other contaminants. The introduction or exposure to water or moisture in any form can cause the model to malfunction resulting in loss of use, or a crash. Do not operate or expose to rain or moisture.

直升机内部是由许多精密的电子元件组成, 所以必须绝对的防治潮湿或者水汽, 避免在浴室或者雨天时使用, 防止水汽进入机身内部导致机体及电子元件故障而引发的不可预期的意外。



### PROPER OPERATION 勿不当使用本产品

Please use the replacement of parts on the manual to ensure the safety of instructors. product is for R/C model, so do not use for other purpose.

请勿自行改造加工, 任何的升级改造或维修, 请使用温州塔罗产品目录中的零件, 以确保结构的安全。请确认在产品接线中操作, 请勿过载使用, 并勿在俺安全, 法令外其它非法用途。



### OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT 避免独自操控

Before turning on your model and transmitter, check to make sure no one else is operating on the same frequency. Frequency interference can cause your model, or other models to crash. The guidance provided by an experienced pilot will be invaluable for the assembly, tuning, trimming, and actual first flight or unforeseen danger may happen. (Recommend you to practice with computer-based flight simulator.)

在飞机起飞前, 需确认是否有相同频率的玩家正在进行飞行, 因为开启相同频率的发射器将会导致自己与他人立即干扰等意外危险。遥控飞机操控技巧在学习初期就有一定的难度, 要尽量避免独自操作飞行, 需有经验的人士在旁边指导, 才可以操控飞行。(勤练电脑模拟器及老手指导时入门的必要选择)



### SAFE OPERATION 安全操作

Operate this unit within your ability. Do not fly under tired condition and improper operation may cause in danger. Never take your eyes off the model or leave it unattended while it is turned on. Immediately turn off the model and transmitter when you have landed the model.

请于自己能力内及需要一定技术范围内操作这台直升机, 过于疲劳、精神不佳或不当操作, 可能会提高发生意外的风险。不可再规定的范围外进行, 降落后也请马上关掉直升机与遥控器的电源。



### ALWAYS BE AWARE OF THE ROTATING BLADES 远离运转中的零件

During the operation of the helicopter, the main rotor and tail rotor will be spinning at high rate of speed. The blades are capable of inflicting serious bodily injury and damage the environment. Be conscious of your actions, and careful to keep your face, eyes, hands, and loose clothing away from the blades. Always fly the model a safe distance from yourself and others, as well as surrounding objects. Never take your eyes off the model or leave unattended while it is turned on. Immediately turn off the model and transmitter when you have landed the model.

当直升机主旋翼与尾旋翼高速旋转时, 请勿触摸并保持安全距离以免造成危险及损坏, 否则会造成自己与他人身体上或环境上的严重损伤。

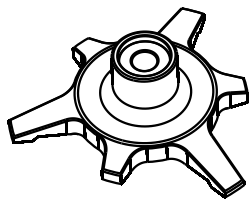


### KEEP AWAY FROM HEAT 远离热源

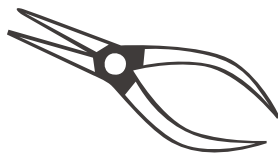
R/C models are made up various forms of plastic. Plastic is very susceptible to damage deformation due to extreme heat and cold climate. Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in climate-controlled, room temperature environment.

遥控飞机多半是以PA碳纤或聚乙烯、电子商品为材质, 因为要尽量远离热源、日晒, 以避免因高温而变甚至熔毁损坏的可能。

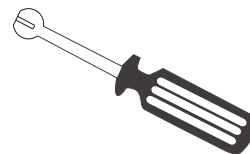
## ADDITIONAL TOOLS REQUIRED FOR ASSEMBLY 自备工具



Swashplate Leveler  
六十字盘矫正器



Needle Nose Pliers  
尖嘴钳



Ø4.7mm Ball Reamer  
Ø4.7mm球头扩孔器

## 550 ESafety CHECK BEFORE FLYING

## CAREFULLY INSPECT BEFORE REAL FLIGHT 请严格执行飞行前的检查义务

- Before flying, please check to make sure no one else is operating on the same frequency for the safety.
- Before flight, please check if the batteries of transmitter and receiver are enough for the flight.
- Before turn on the transmitter, please check if the throttle stick is in the lowest position. IDLE switch is OFF.
- When turn off the unit, please follow the power on/off procedure. Power ON- Please turn on the transmitter first, and then turn on receiver. Power OFF- Please turn off the receiver first and then turn off the transmitter. Improper procedure may cause out of control, so please to have this correct habit
- Before operation, check every movement is smooth and directions are correct. Carefully inspect servos for interference and broken gear.
- Check for missing or loose screws and nuts. See if there is any cracked and incomplete assembly of parts. Carefully check main rotor blades and rotor holders. Broken and premature failures of parts possibly cause a dangerous situation.
- Check all ball links to avoid excess play and replace as needed. Failure to do so will result in poor flight stability.
- Check if the battery and power plug are fastened. Vibration and violent flight may cause the plug loose and result in out of control.
- 每次飞行前应先确定所使用的频率是否会干扰他人，以确保您自身与他人的安全。
- 每次飞行前应先确定您发射器与接收器电池的电量是足够飞行的状态。
- 开机前确认油门摇杆是最低点，熄火降落开关，定速开关(IDLE)是否于关闭位置。
- 关机时必须遵守电源开关机的程序，开机时应先开启发射器后，再开启接收器电源；关机时先关闭接收器后，再关闭发射器电源。不正确的开关程序可能会造成失控的现象，影响自身与他人的安全，请养成正确的习惯。
- 开机请先确定直升机的各动作是否顺畅，及方向是否正确，并且检查舵机的动作是有否干扰或崩吃的情形，使用故障的舵机将导致不可预期的危险。
- 飞行前确认没有缺少或松脱螺丝与螺帽，确认没有组装不完整或损失毁灭性的零件，仔细检查主旋翼是有否损坏，特别是接近主旋翼夹座的部位。损坏或组装不完整不仅影响飞行，更会造成不可预期的危险。注意：每次飞行前的安全检查、保养、及更换损耗零件，请认真严格执行以确保安全。
- 检查所有的连杆头是否有松脱的情形，过松的连杆头应先更换，否则将造成直升机无法操控的危险。
- 确认电池及电源接头是否固定牢靠，飞行中的震动或激烈的飞行，可能造成电源头松脱而造成失控的危险。

When you see the marks as below, please use relative glue or grease to ensure flying safety.  
标有以下符号的组装步骤，请配合上胶或上油，以确保锁紧零件使用的可靠度。



CA: Apply small amount of CA Glue to fix (Additional)  
瞬间胶：使用适量瞬间胶固定 (自备)

R48: Apply small amount of Anaerobic Retainer to fix  
瞬间胶：使用适量厌氧胶固定

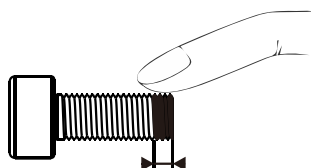
T43: Apply small amount of Thread to fix  
螺丝胶：使用适量螺丝胶

OIL: ADD small amount of OIL  
润滑油：使用适量润滑油

Grease: ADD small amount of Grease (Additional)  
润滑油：使用适量润滑油 (自备)

WD40: Apply small amount of WD40 to fix (Additional)  
WD40润滑剂：使用适量WD40润滑剂 (自备)

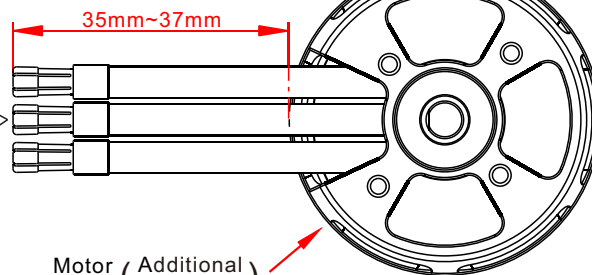
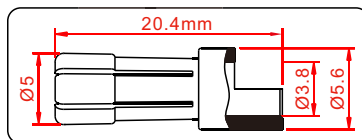
When you see the marks as below, please use relative glue or grease to ensure flying safety.  
标有以下符号的组装步骤，请配合上胶或上油，以确保锁紧零件使用的可靠度。



T22 Glue width: approx. 1mm  
T22 上胶宽度约1MM

Before installation, please cut the 3 wires of the motor according to the specified length.

安装前, 请将电机的3根电线按照规定的长度进行裁剪.



Motor (Additional)  
电机 (自备)



Max. rotorhead rpm: 2200; 旋翼转速不要超2200转.

Max. collective range: +/- 12°.

4035 600KV=11T Motor Pinion Gear(电机齿);

4035 550KV=12T Motor Pinion Gear(电机齿);

4035 500KV=13T Motor Pinion Gear(电机齿).

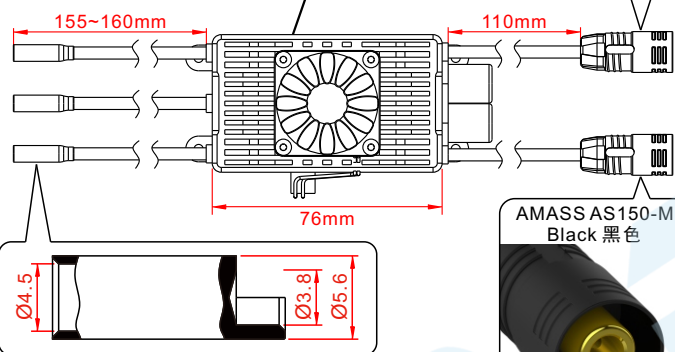
Maximum motor size please refer to P. 28  
可容纳电机最大尺寸请参考 P. 28

Before installation, please cut the 5 silicone wires of the ESC according to the specified length.

安装前, 请将无刷电子调速器的5根硅胶线按照规定的长度进行裁剪.

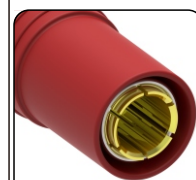


HOBBYWING PLATINUM  
HV130A (Additional/自备)



Red 红色  
AMASS AS150-M

AMASS AS150-M  
Black 黑色



Before installation, cut the battery wires to the specified length.

安装前, 将电池的电线按照规定的长度进行裁剪.



AMASS AS150-F  
Red 红色

AMASS AS150-F  
Black 黑色

AMASS XT150-F  
Red 红色

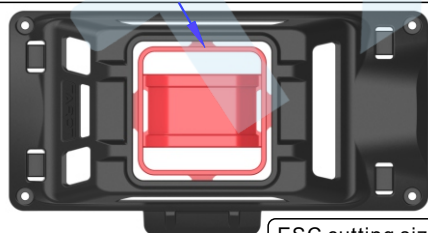
AMASS XT150-M  
Black 黑色

Lithium Battery  
锂电池  
Additional  
自备

Maximum battery size please refer to P. 28  
可容纳电池最大尺寸请参考 P. 28

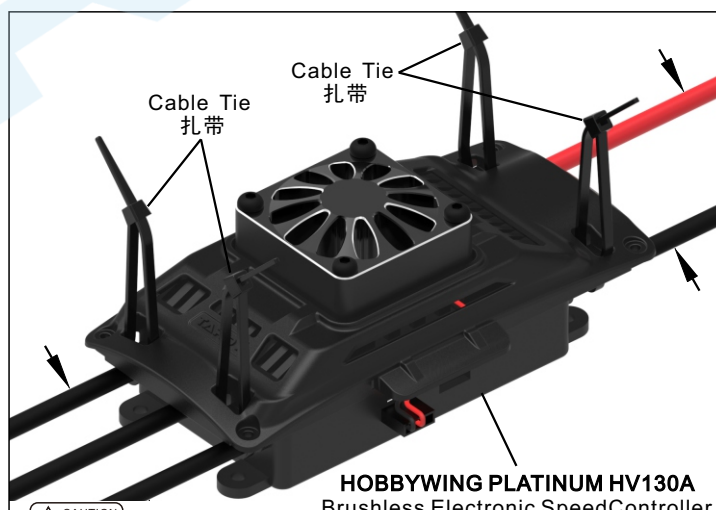
The size of the red area of the ESC cover is cut according to different ESC; as HOBBYWING PLATINUM HV 130A ESC removes all red parts.

电调塑料盖红色区域的尺寸是根据不同的电调来切割; 例如HOBBYWING PLATINUM HV130A 电调是将红色部分全部去除.

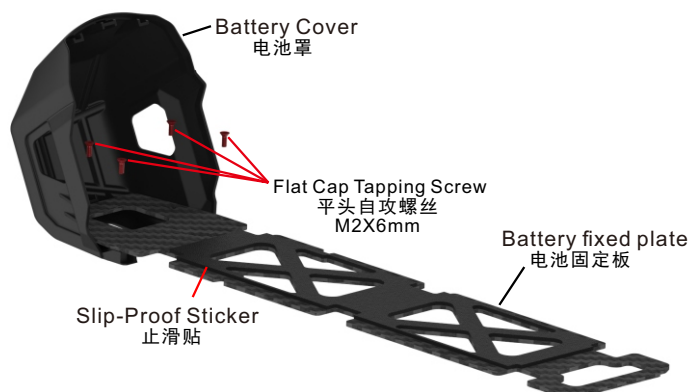


ESC Plastic Cover  
电调塑料盖

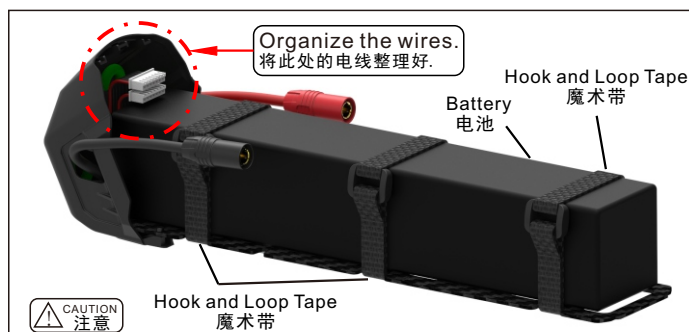
ESC cutting size please refer to P. 28  
不同电调的切割尺寸请参考 P. 28



Fix the four wires indicated by the arrow with the cable tie at the specified position.  
将箭头所指示的四根电线, 用扎带将其固定在指定位置.

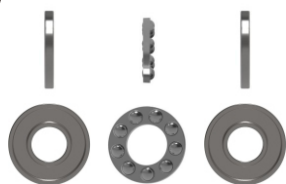


make the anti-slip sticker to the battery fixing plate with glue.  
用胶水将止滑贴粘在电池固定板上.



Please not tighten the tie, until finished installation, make sure the center of gravity and then fix.  
先不要把扎带扎紧, 等最后安装完成, 确定重心再固定.





Thrust Bearing  
止推轴承(Ø8xØ16x5mm)x2



Spindle Bearing Spacer  
横轴轴承垫片  
(Ø11.5xØ15.8x0.3mm)x2



Bearing  
轴承(Ø8xØ16x5mm)x4



Socket Screw  
台阶内六角螺丝(M3x7.5mm)

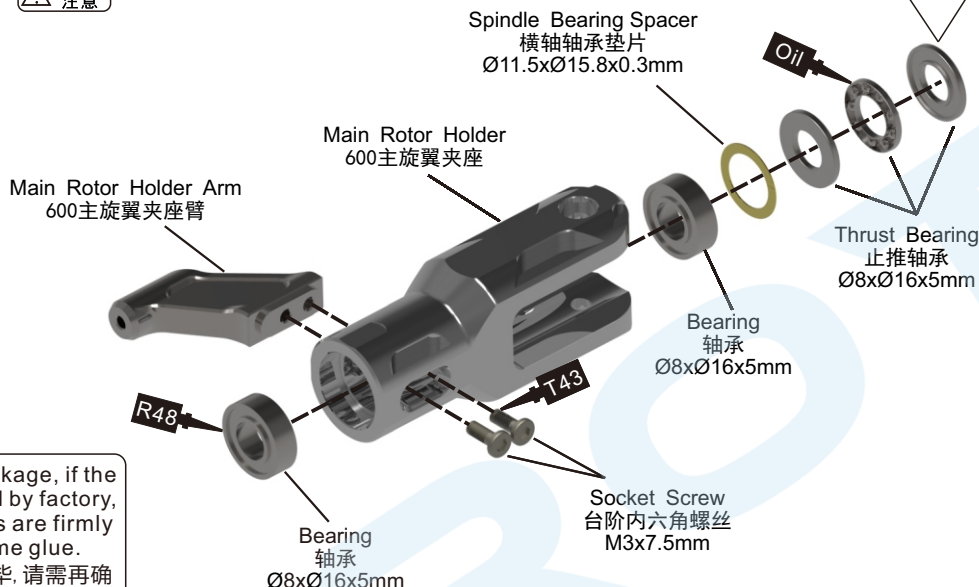


For original manufactory package, if the product is already assembled by factory, please check again if screws are firmly secured and applied with some glue. 原装零件出厂包装如果组装完毕, 请需再确认各螺丝是否锁紧上胶。



Apply a little amount of T43 thread lock when fixing a metal part.  
所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)

Thrust bearing and washer for radial bearing are wear items, and thus should be inspected for replacement after every 20 flights. For flights with high headspeed, the inspection interval should be reduced to ensure flight safety. 止推轴承及横轴垫圈属于飞行消耗品, 建议20趟定期检查及更换, 高主旋翼转速飞行时, 请缩短定期检查之趟数, 以确保飞行安全。



X2



Damper rubber  
横轴橡胶垫圈  
Ø7xØ16.5xØ4.8mmx4



Damper rubber  
横轴橡胶垫圈  
Ø7xØ16xØ4.5mmx2



Spindle Bearing Spacer  
横轴轴承垫片  
Ø11xØ14x1mmx2



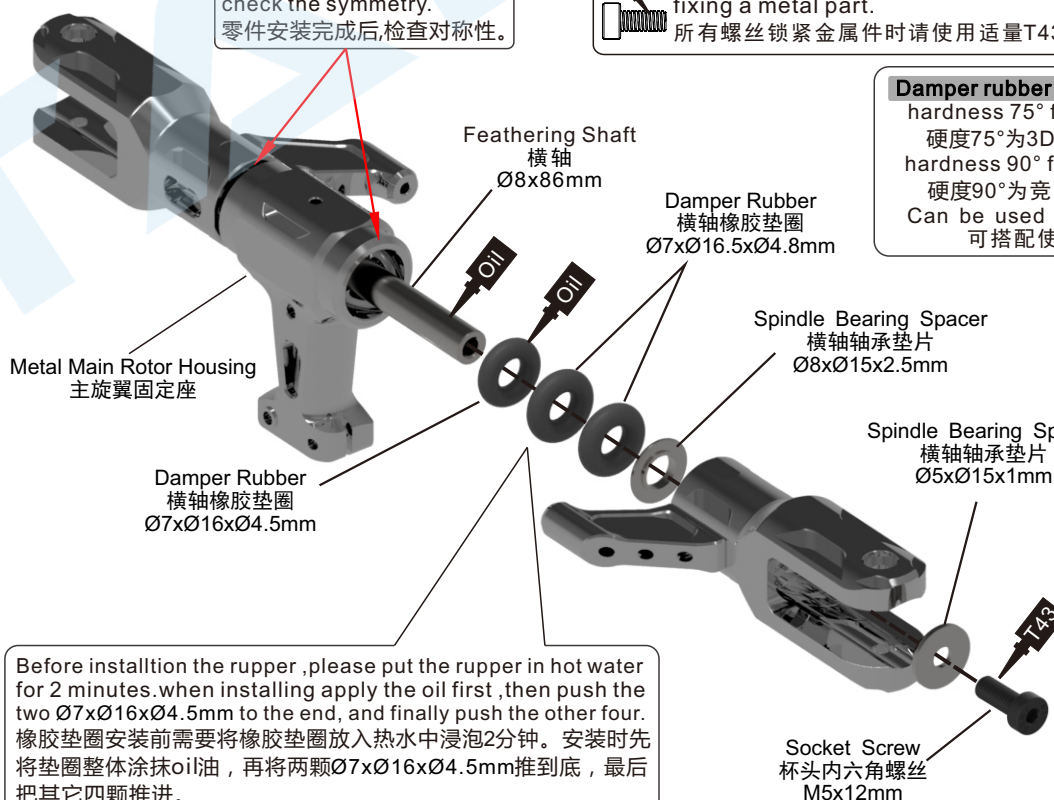
Spindle Bearing Spacer  
横轴轴承垫片  
Ø5xØ15x1mmx2



Socket Screw  
内六角螺丝(M5x12mm)x2



After the T part is installed, check the symmetry.  
零件安装完成后, 检查对称性。



Before installation the rubber, please put the rubber in hot water for 2 minutes. when installing apply the oil first, then push the two Ø7xØ16xØ4.5mm to the end, and finally push the other four. 橡胶垫圈安装前需要将橡胶垫圈放入热水中浸泡2分钟。安装时先将垫圈整体涂抹oil油, 再将两颗Ø7xØ16xØ4.5mm推到底, 最后把其它四颗推进。

The feathering shaft and feathering shaft socket screws are wear items, and thus should be inspected for replacement after every 20 flights. For flights with high head speed, the inspection interval should be reduced to ensure flight safety. 主旋翼轴承、横轴和横轴螺丝属于飞行消耗品, 建议每20趟定期检查以及更换, 主轴旋转飞速时, 请缩短定期检查趟数, 以确保飞行安全。




Apply a little amount of T43 thread lock when fixing a metal part.  
所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)

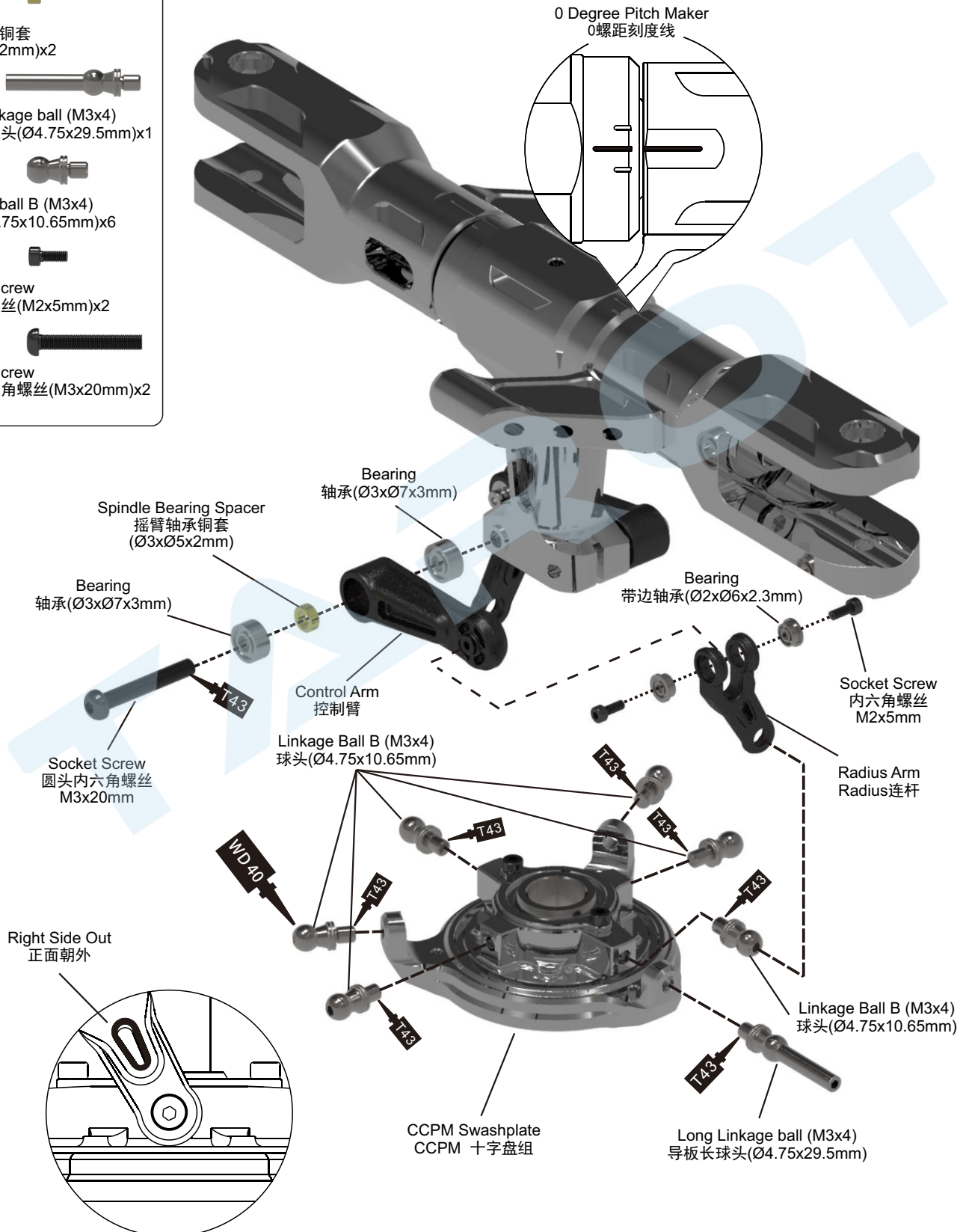
**Damper rubber 橡胶垫圈**  
hardness 75° for 3D fly  
硬度75°为3D飞行用  
hardness 90° for racing  
硬度90°为竞赛机用  
Can be used together  
可搭配使用

-  **Bearing**  
带边轴承(Ø2xØ6x2.3mm)x4
-  **Bearing**  
轴承(Ø3xØ7x3mm)x4
-  **Collar**  
摇臂轴承铜套  
(Ø3xØ5x2mm)x2
-  **Long Linkage ball (M3x4)**  
导板长球头(Ø4.75x29.5mm)x1
-  **Linkage ball B (M3x4)**  
球头(Ø4.75x10.65mm)x6
-  **Socket Screw**  
内六角螺丝(M2x5mm)x2
-  **Socket Screw**  
圆头内六角螺丝(M3x20mm)x2

For original manufactory package, if the product is already assembled by factory, please check again if screws are firmly secured and applied with some glue.  
原装零件出厂包装如果组装完毕, 请需再确认各螺丝是否锁紧上胶.



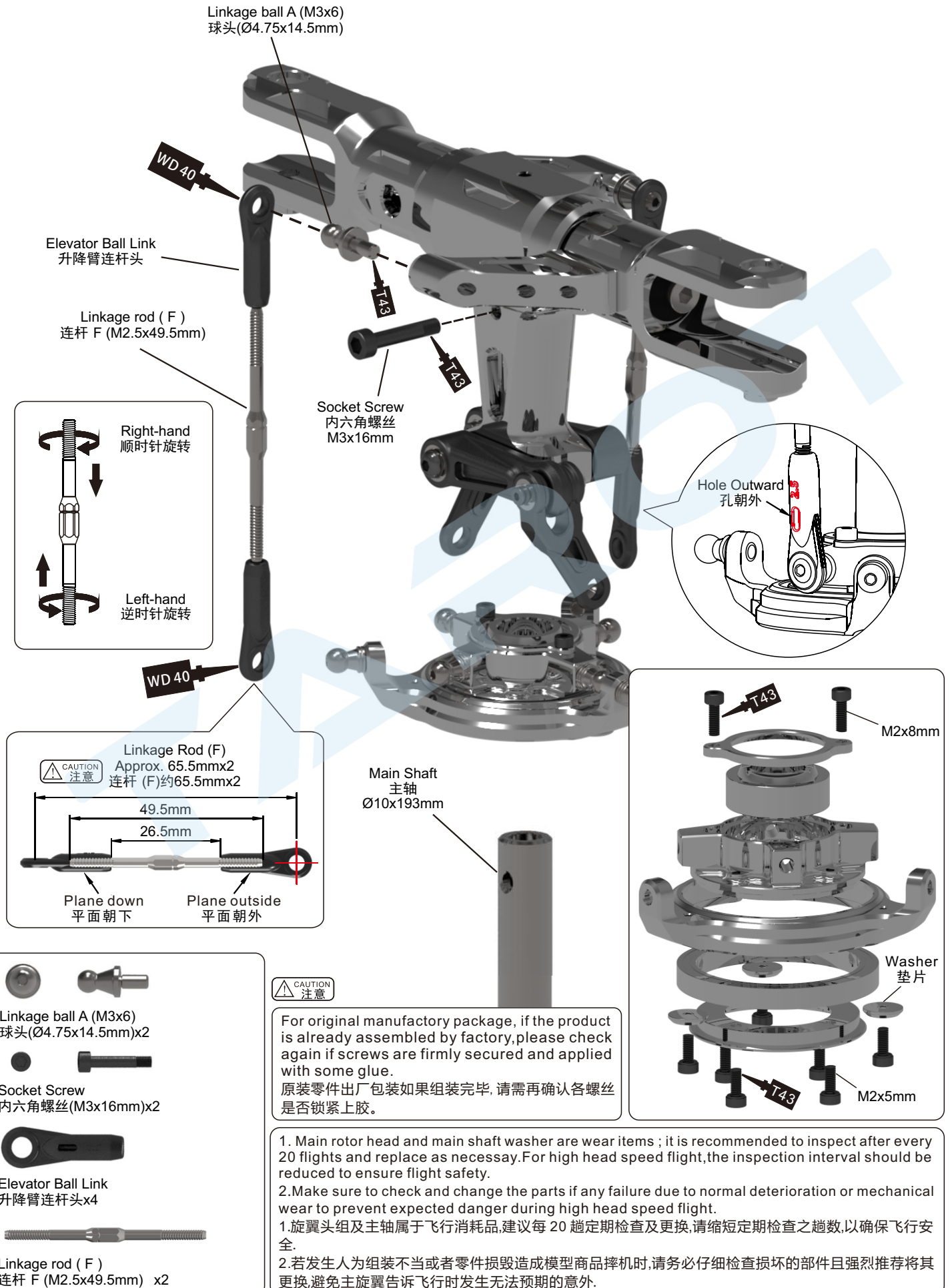
 Apply a little amount of T43 thread lock when fixing a metal part.  
所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)



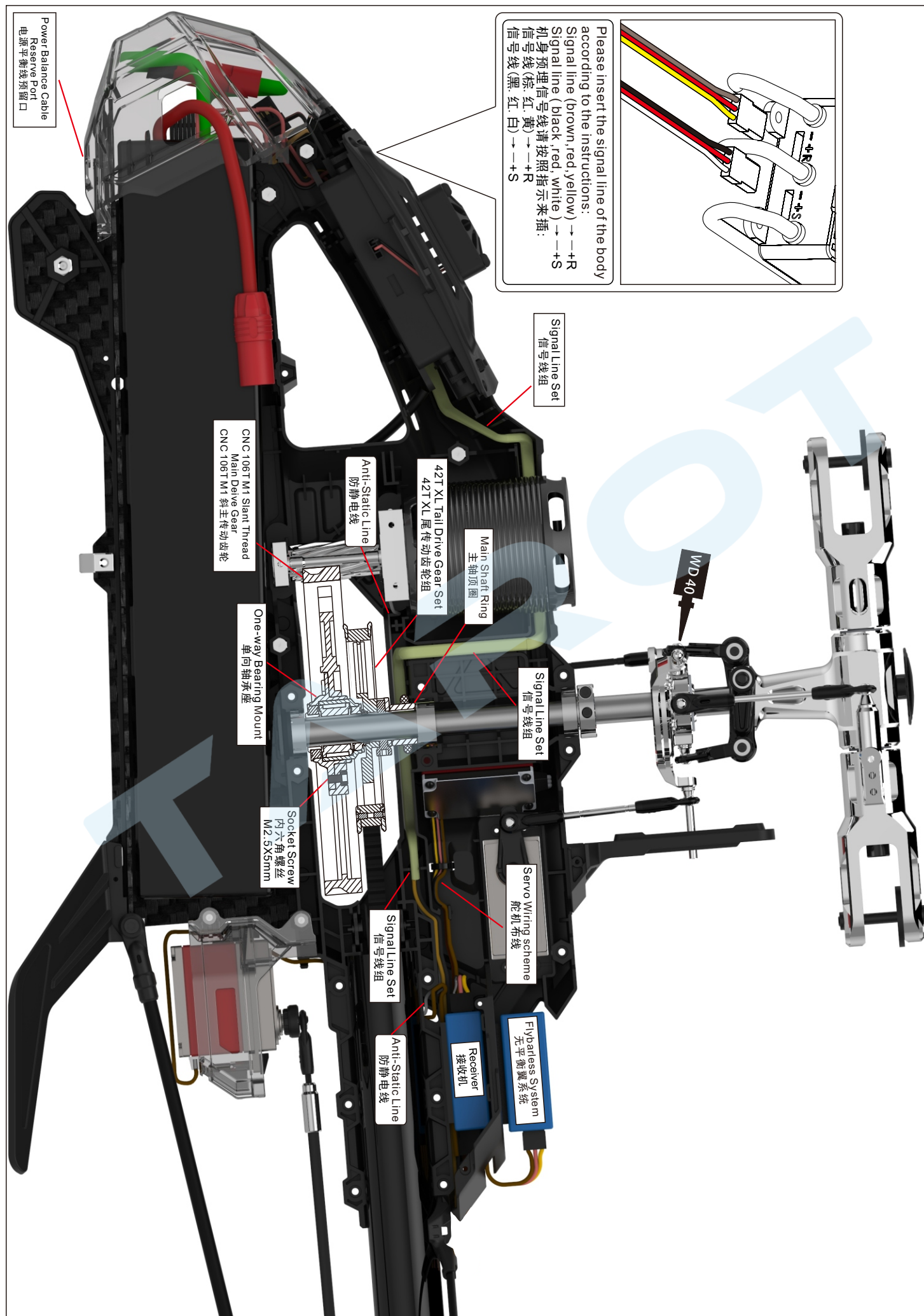


Apply a little amount of T43 thread lock when fixing a metal part.

所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)







Socket Screw  
台阶内六角螺丝  
M2.5x6mm

Metal Motor Mount  
金属电机固定座

Metal Column  
金属铝柱  
Ø4.5x38.5mm



Apply a little amount of T43 thread lock when fixing a metal part.  
所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)

Motor  
电机

Socket Screw  
内六角螺丝  
M3x8mm

Electrostatic Line  
Mount hole  
静电线安装孔

Socket Screw  
内六角螺丝  
M3x8mm



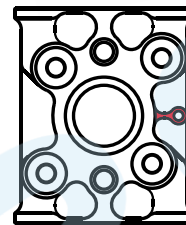
Threaded hole  
facing up  
螺丝孔朝上

12T Motor Pinion Gear  
12T电机斜齿轮

M3 Set Screw  
M4x4mm 止洩螺丝

Motor Pinion Gear mount  
电机斜齿轮固定座

Socket Screw  
内六角螺丝  
M2.5x8mm

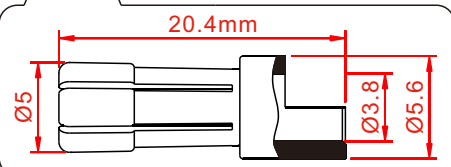
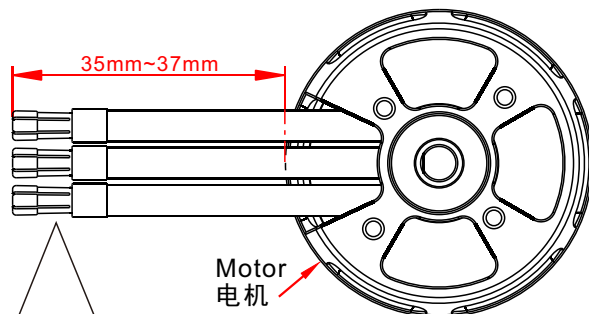


The screw hole faces the tail of the helicopter and used to connect the electrostatic wire to the tail tube.  
此螺丝孔朝向直升机尾部方向, 用于静电导线连接到尾管。

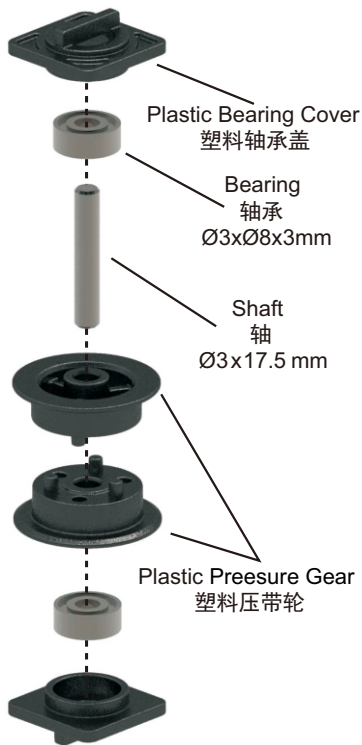


Do not install screws against the motor coil, in case of short circuit.  
严禁安装螺丝顶住马达线圈, 以免发生短路。

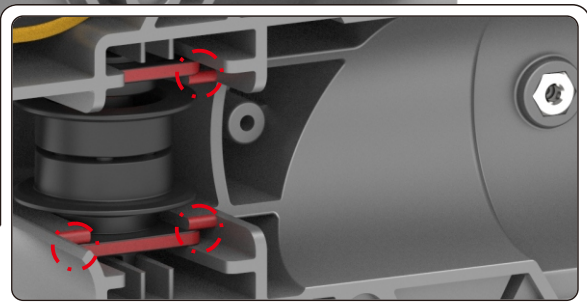
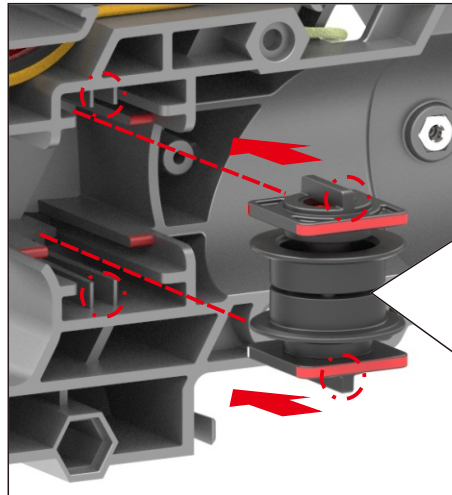
Before installation, please cut the 3 wires of the motor according to the specified length.  
安装前, 请将电机的3根电线按照规定的长度进行裁剪。



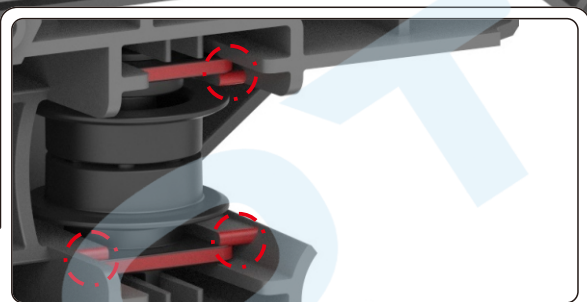
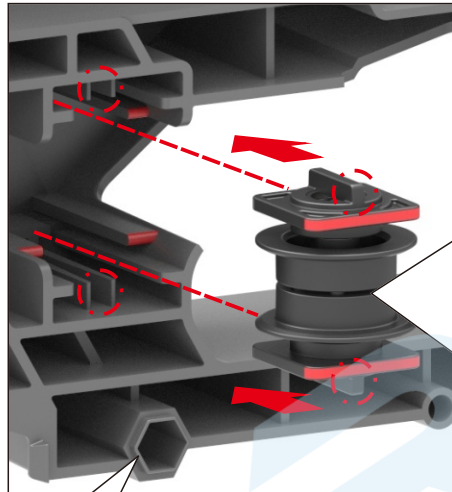
### Pressure Gear Set Install 压带轮组装配



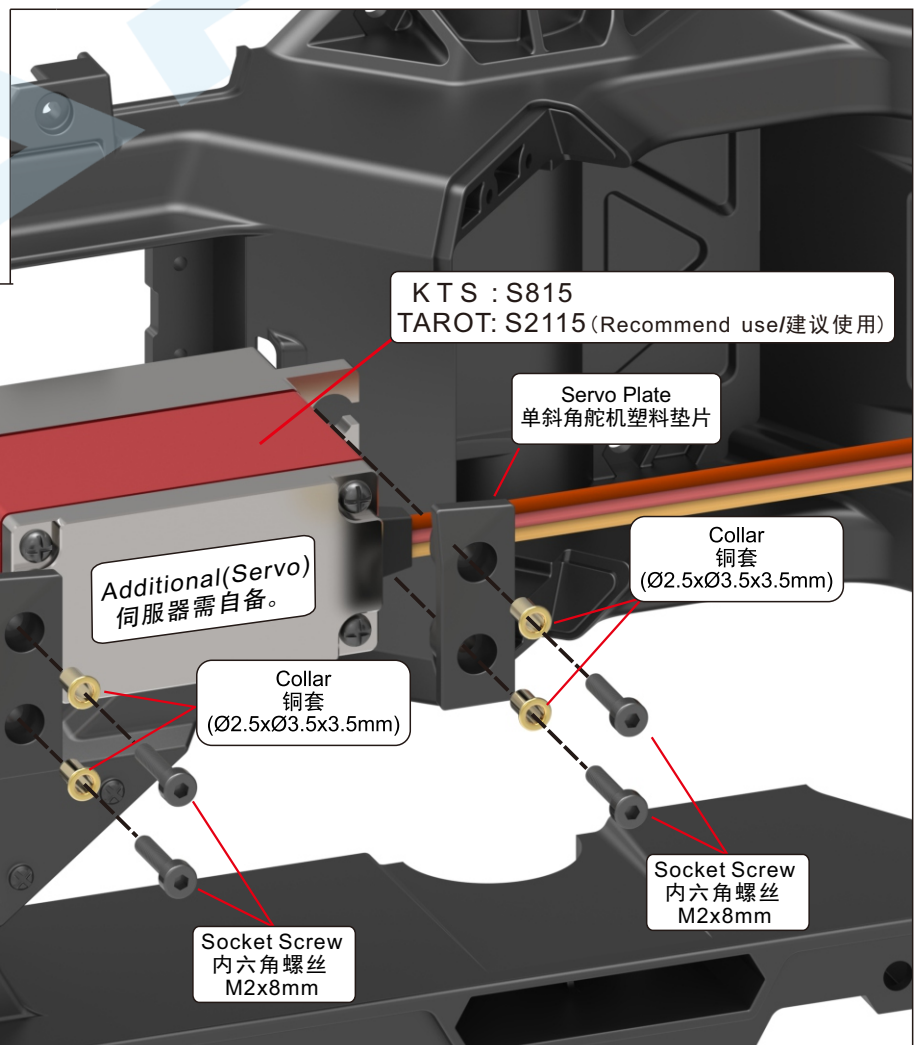
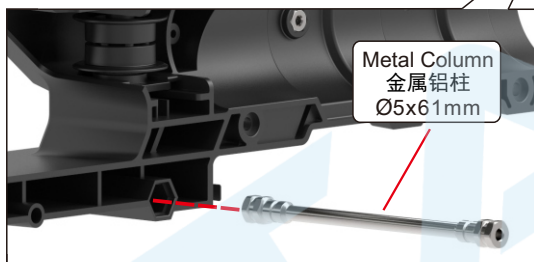
**X2**



Please keep it level about the red indicating surface of the pressure gear and plastic body; To ensure that the pressure gear correct assembled.  
注意：压带轮组装入塑料机身时压带轮组的红色示意面和塑料机身上的红色示意面要持平，以保证压带轮组装配到位。

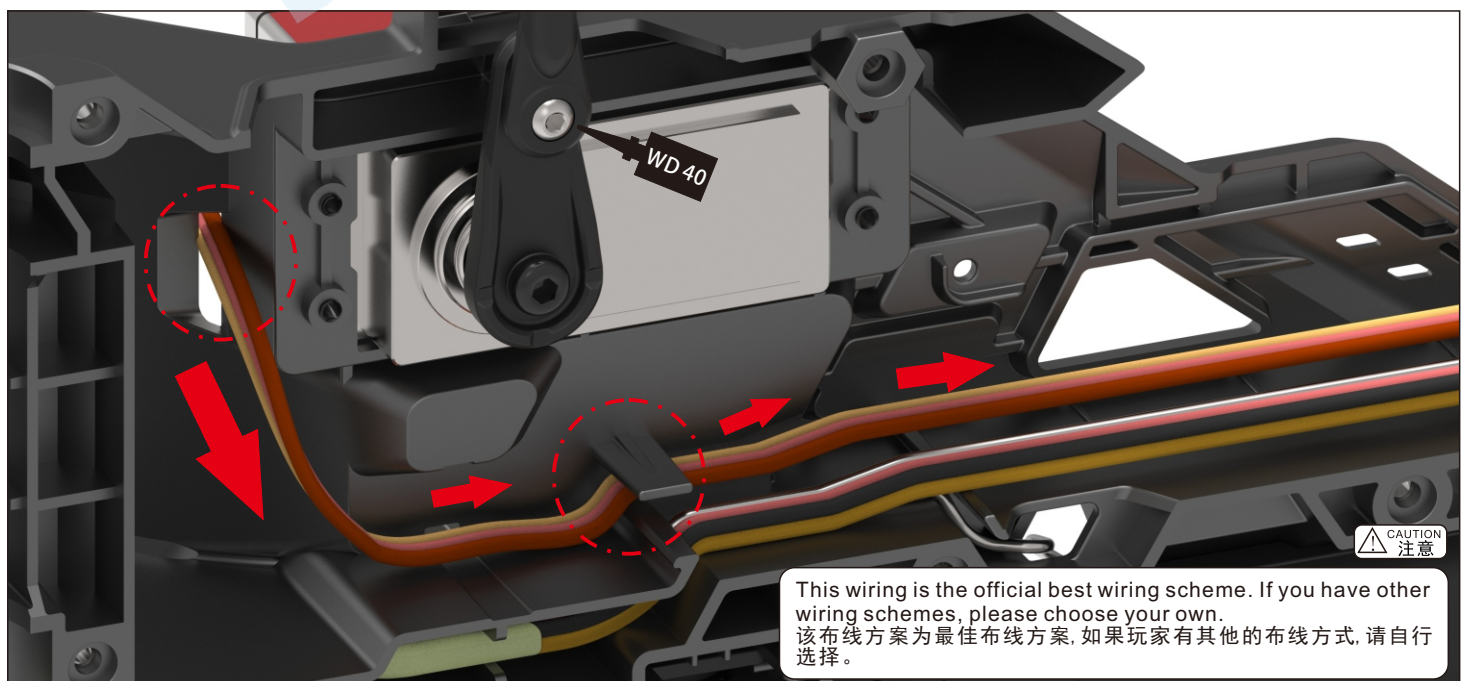
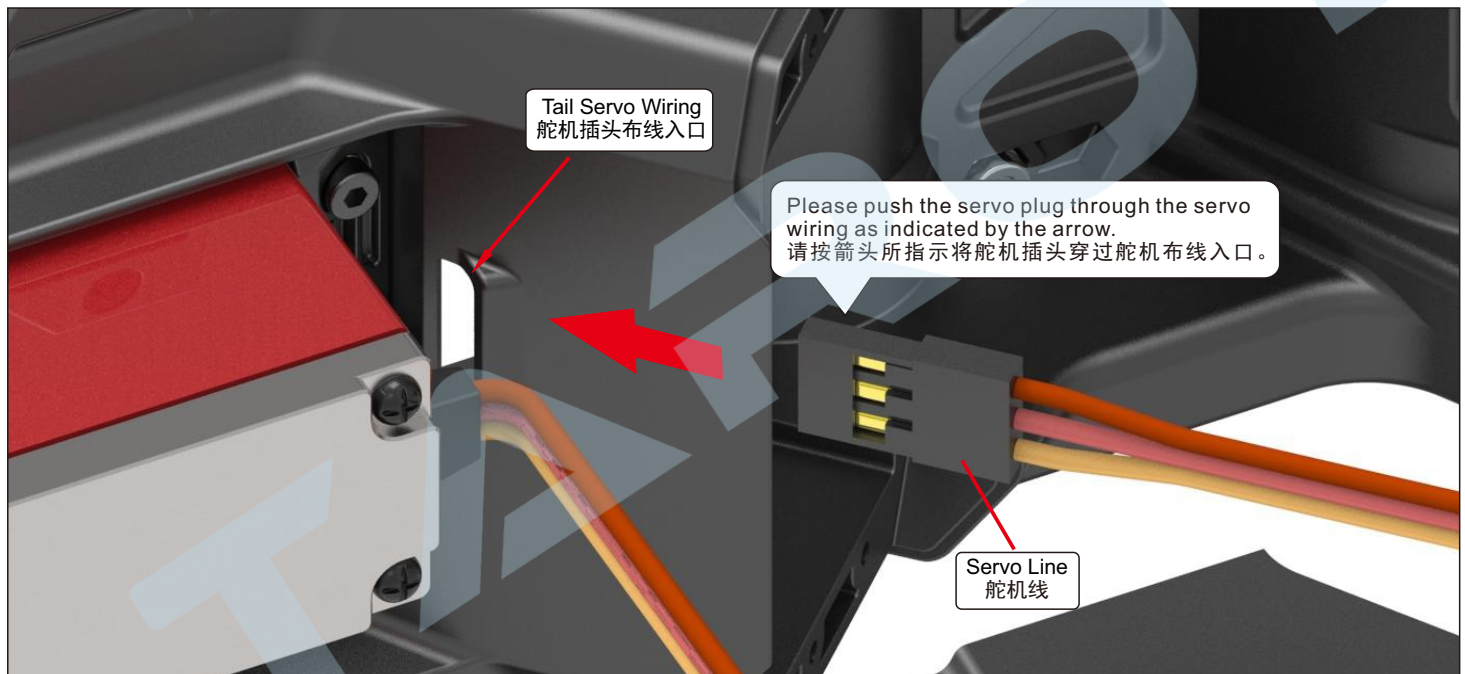
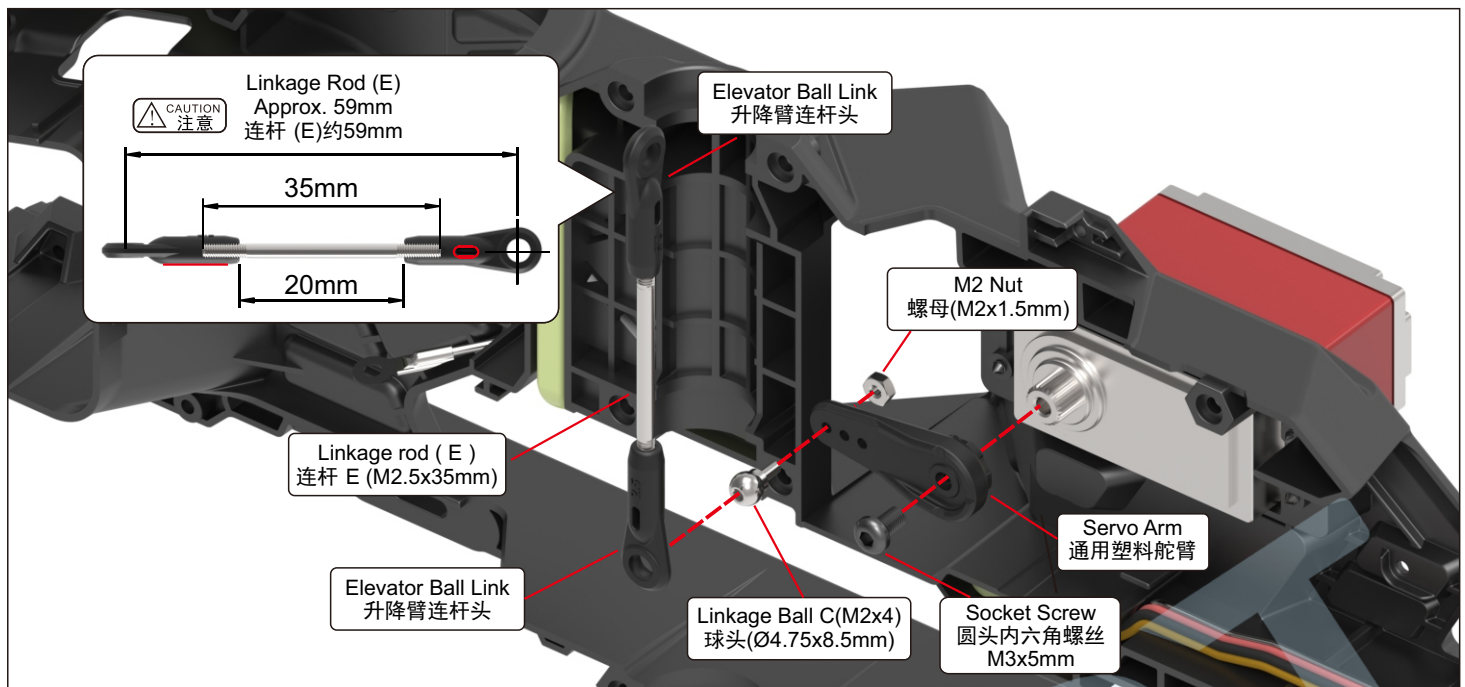


Please keep it level about the red indicating surface of the pressure gear and plastic body; To ensure that the pressure gear correct assembled.  
注意：压带轮组装入塑料机身时压带轮组的红色示意面和塑料机身上的红色示意面要持平，以保证压带轮组装配到位。



screws put in correct position .  
螺丝拧到位即可。





Please make all locknuts are in place.  
将所有六角防松螺母顶到位卡住。



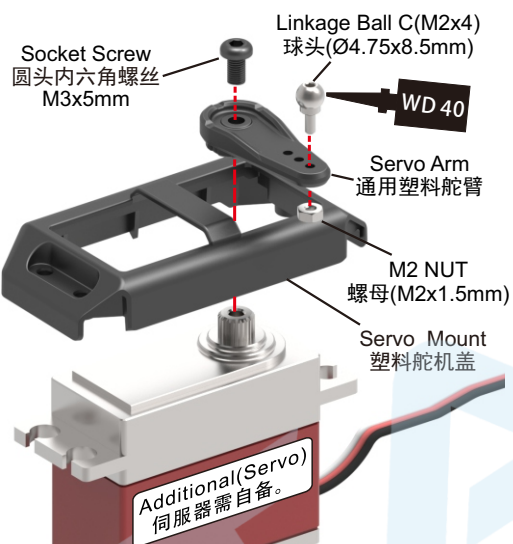
M2.5 NUT  
六角防松螺母  
M2.5x3.5mm

M2.5 NUT  
六角防松螺母  
M2.5x3.5mm

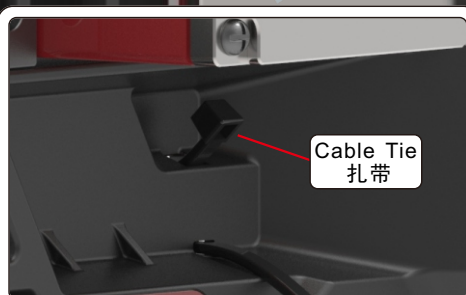
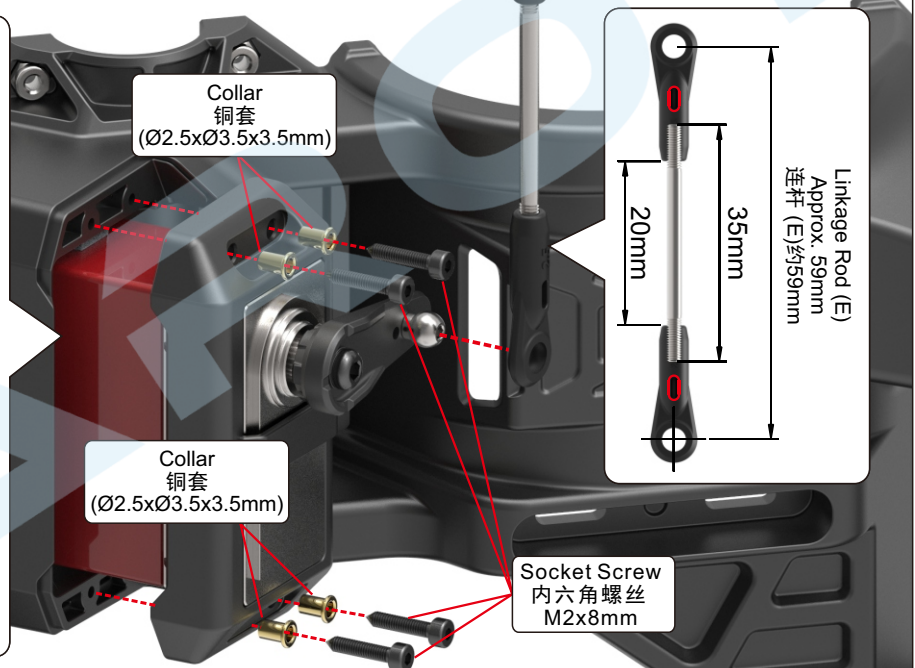
M2.5 NUT  
六角防松螺母  
M2.5x3.5mm

M2.5 NUT  
六角防松螺母  
M2.5x3.5mm

M2.5 NUT  
六角防松螺母  
M2.5x3.5mm

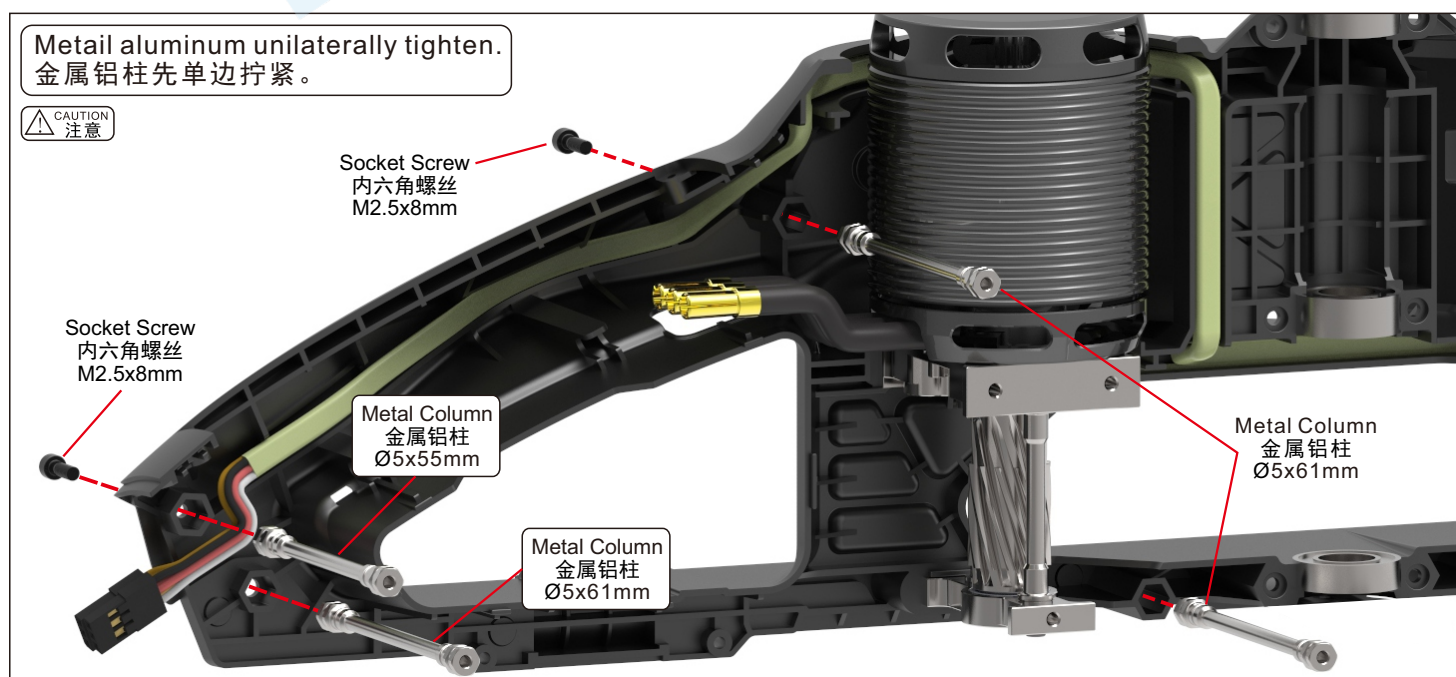
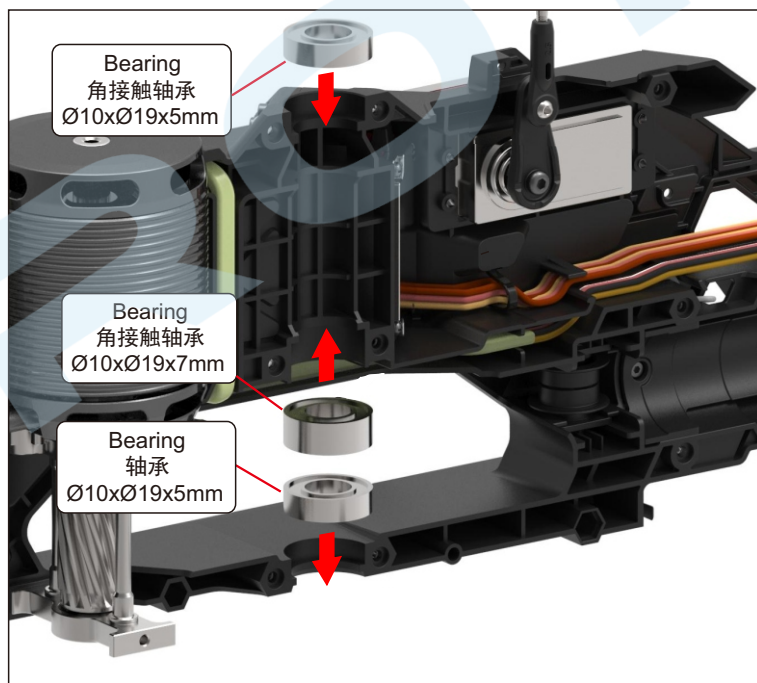
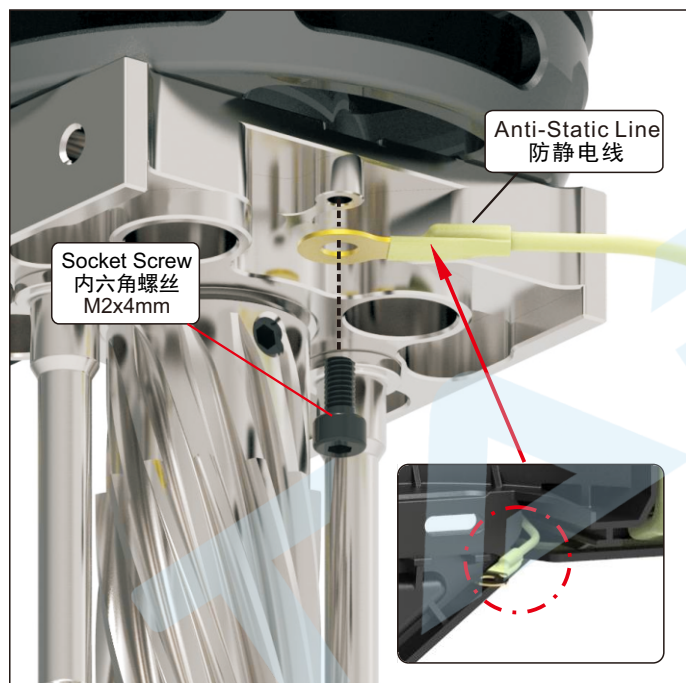
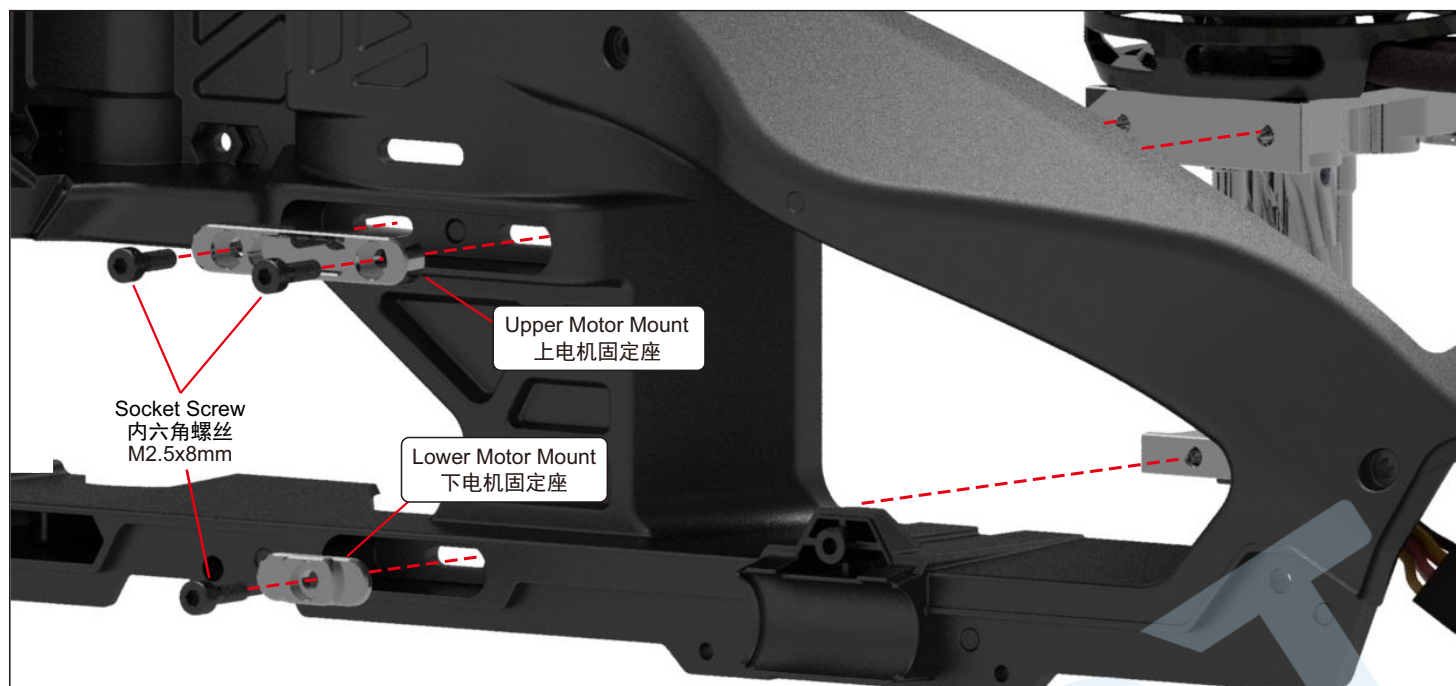


KTS : S815  
TAROT: S2115 (Recommend use/建议使用)



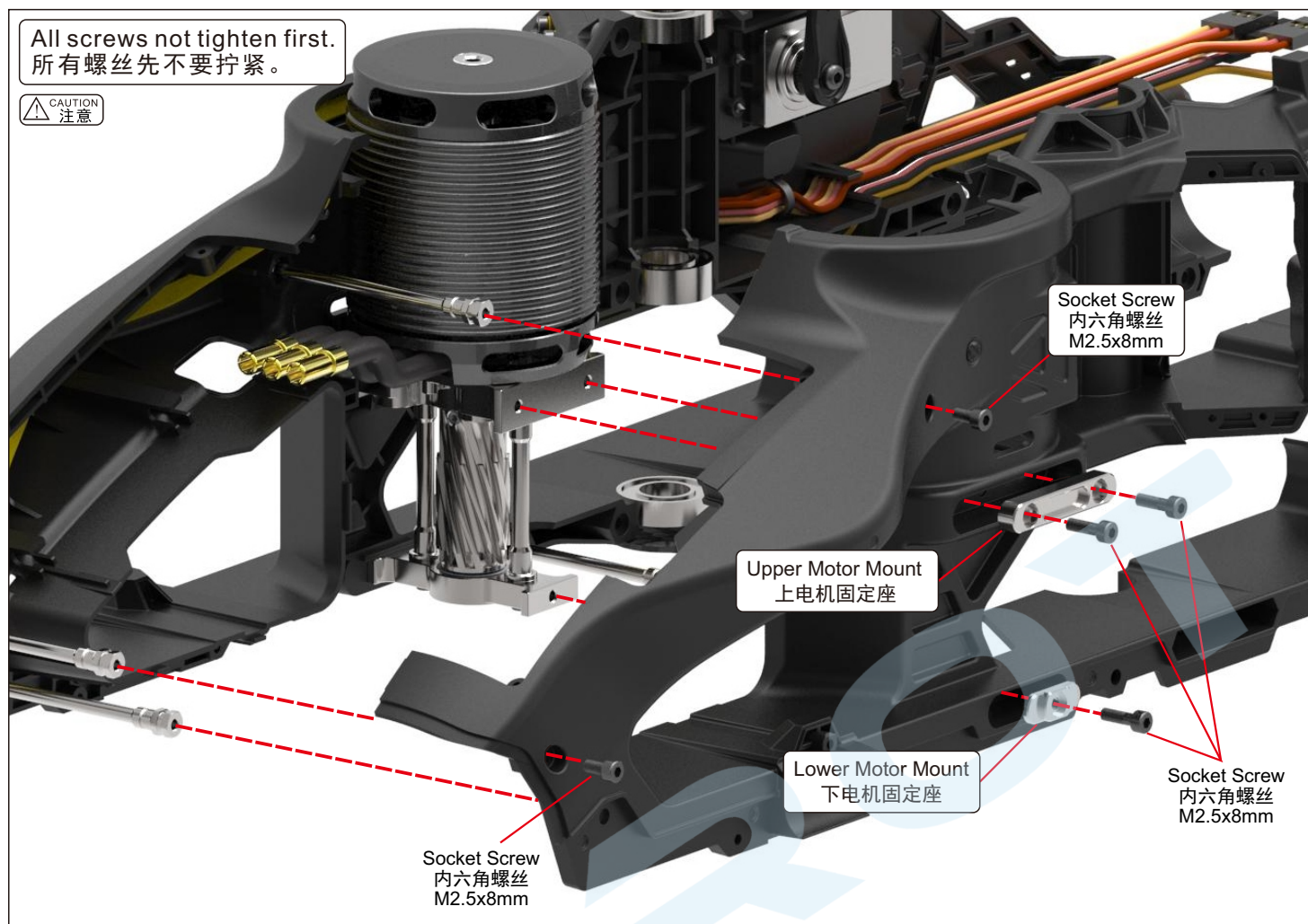
Use a cable tie to fix the servo line to the specified position.  
用扎带将舵机线固定在指定位置。



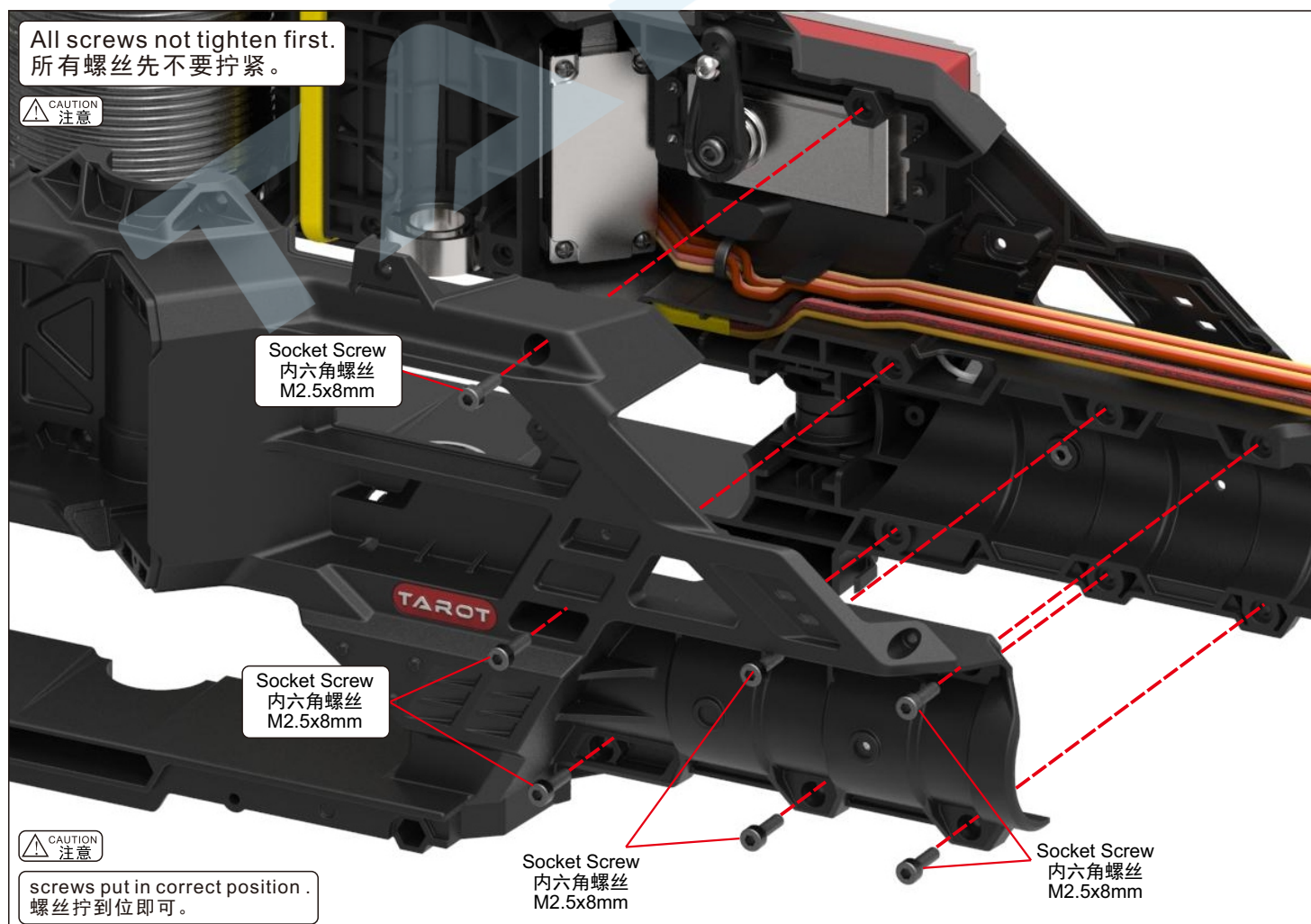




All screws not tighten first.  
所有螺丝先不要拧紧。



All screws not tighten first.  
所有螺丝先不要拧紧。



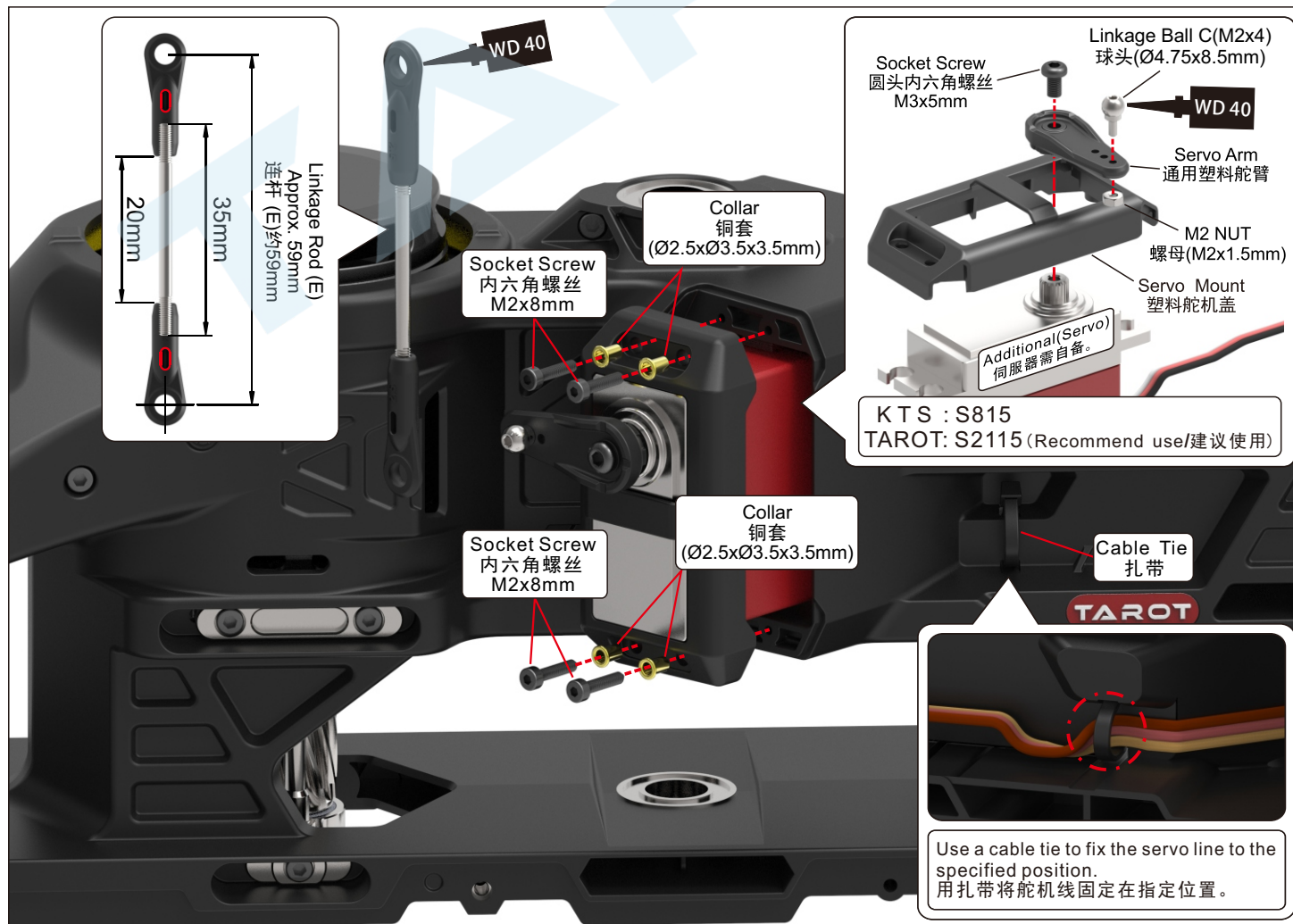
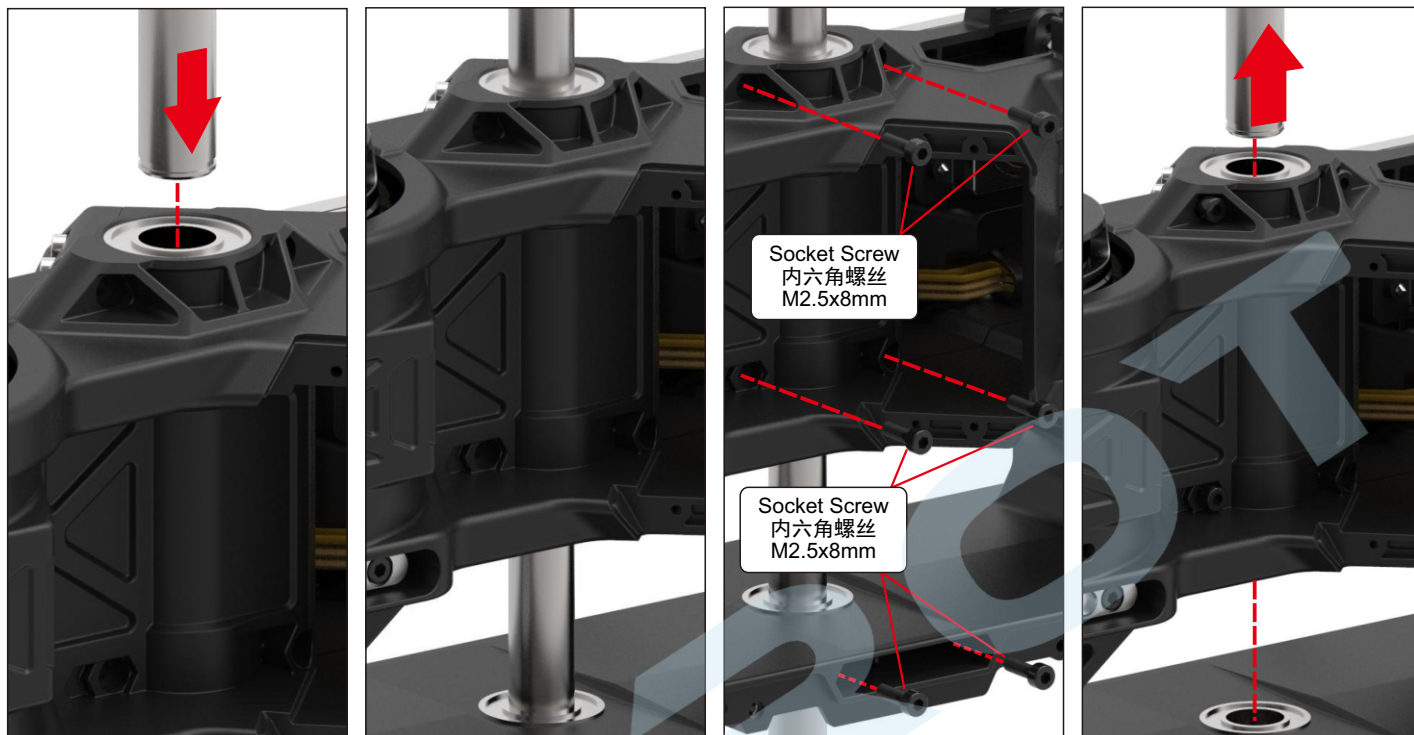
screws put in correct position .  
螺丝拧到位即可。

## Screw mounting around the bearing:

First insert the main shaft into the three bearings of the body, make the three bearings reach the concentric position and confirm that the up and down movement is very smooth, Then cross-lock the six screws and confirm that the spindle moves up and down smoothly after locked(screws put in correct position), Failure to do so will result in excessive helicopter vibration, before tighten please check 3 bearings are in place.

## 轴承周边的螺丝安装:

先让主轴插入, 贯穿机身的三个轴承, 使三个轴承达到同心的位, 并且确认上下移动顺滑, 然后将六颗螺丝交叉紧(螺丝拧到位即可), 再确认锁紧之后主轴上下移动顺滑, 否则将导致直升机震动过大, 在拧紧前需要查看三颗轴承是否已经放入到位。

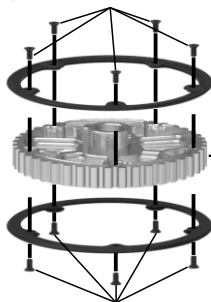






Apply a little amount of T43 thread lock when fixing a metal part.  
所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)

Flat Cap Screw  
平头内六角螺丝 M2X4mm



Tail Drive Gear Cover  
尾传动齿轮挡边

42T XL Tail Drive Gear  
42T XL 尾传动齿轮

Tail Drive Gear Cover  
尾传动齿轮挡边

Flat Cap Screw  
平头内六角螺丝 M2X4mm



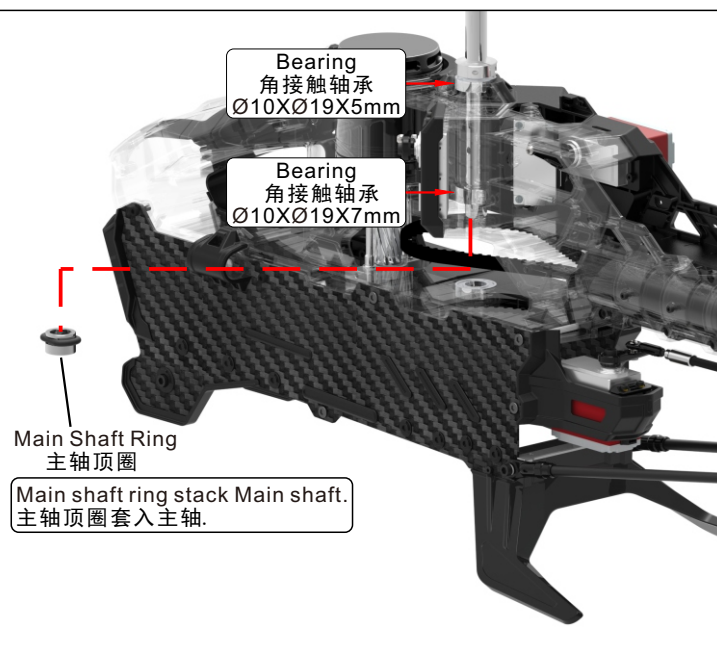
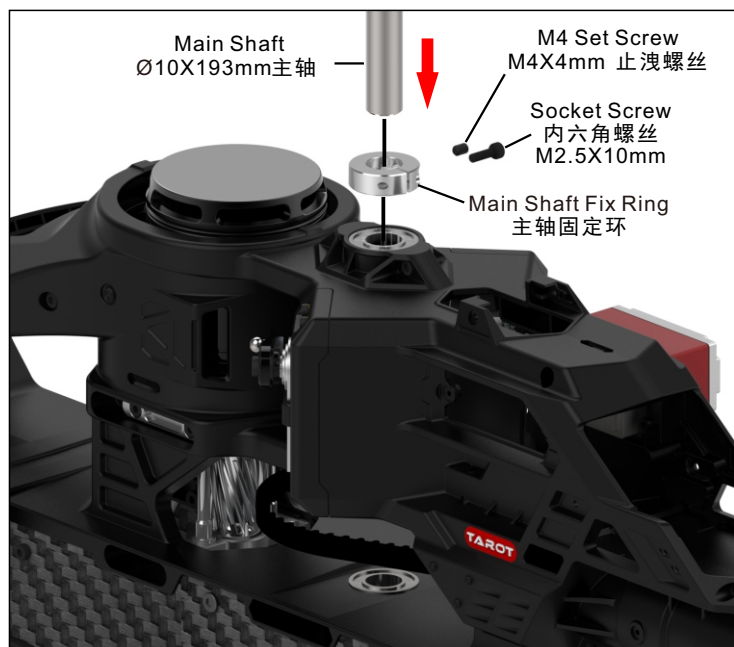
Apply a little amount of T43 thread lock when fixing a metal part.  
所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)

42T XL Tail Drive Gear Set  
42T XL 尾传动齿轮组

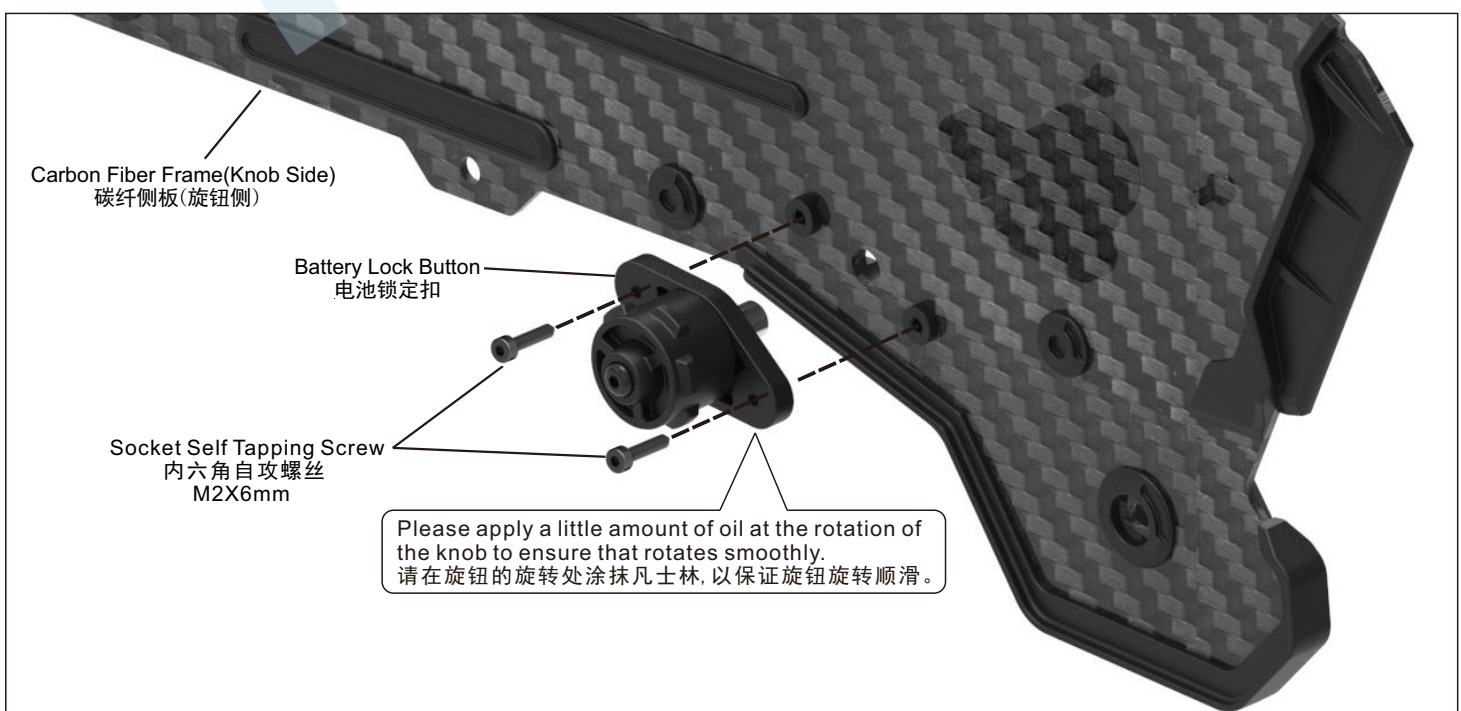
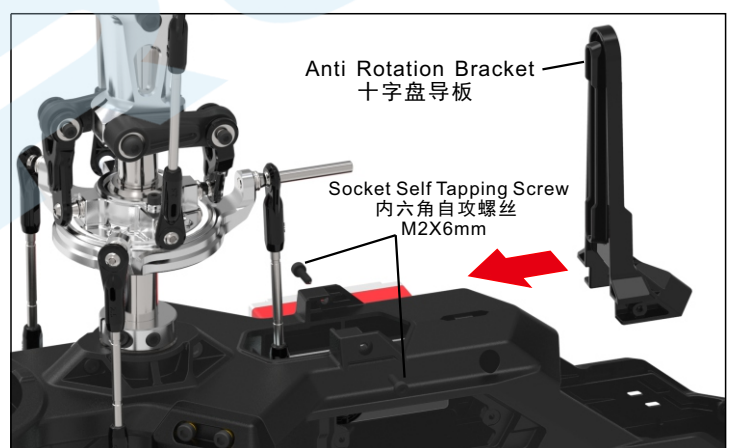
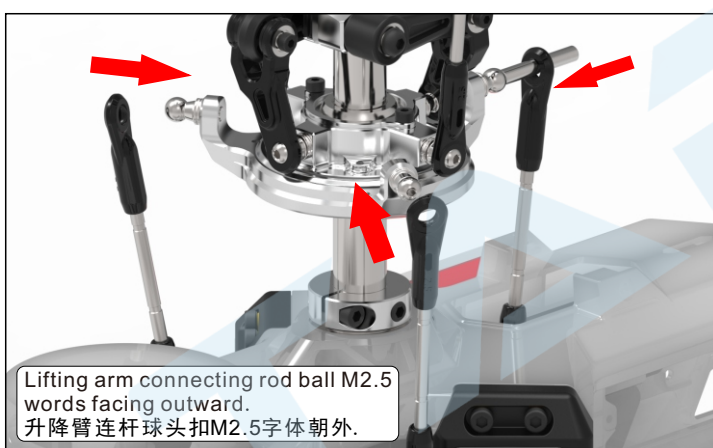
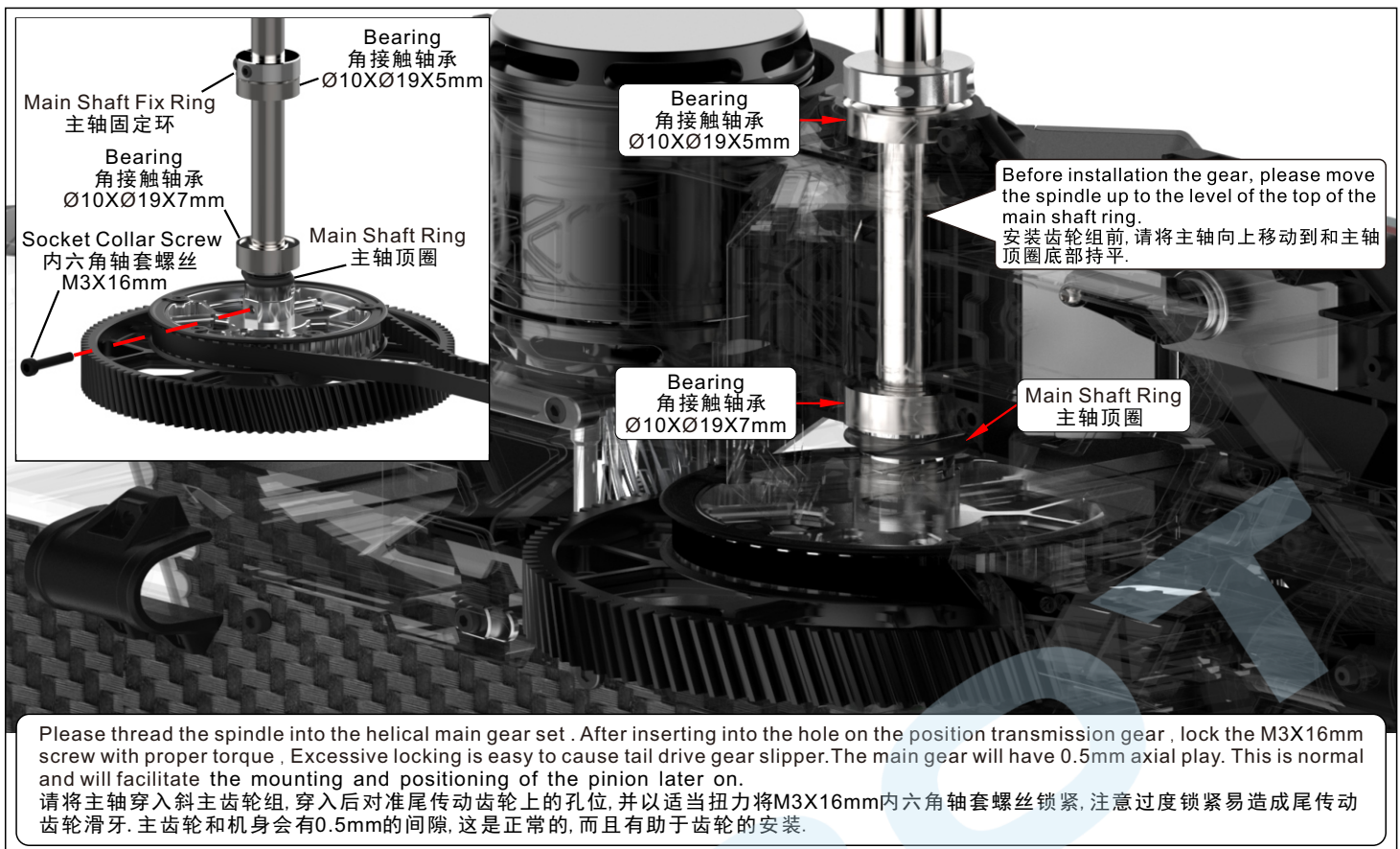
Socket Screw  
内六角螺丝  
M2.5X5mm

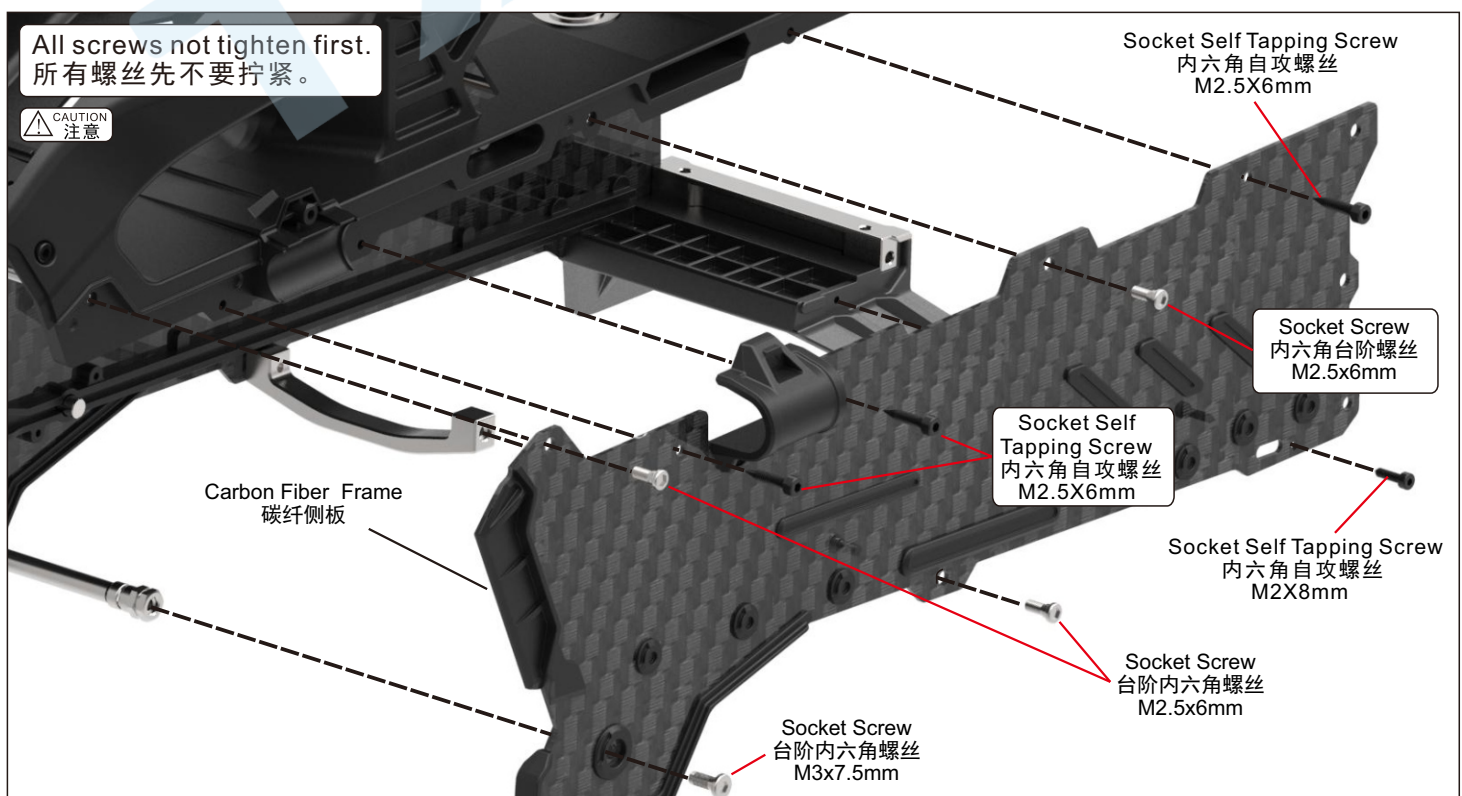
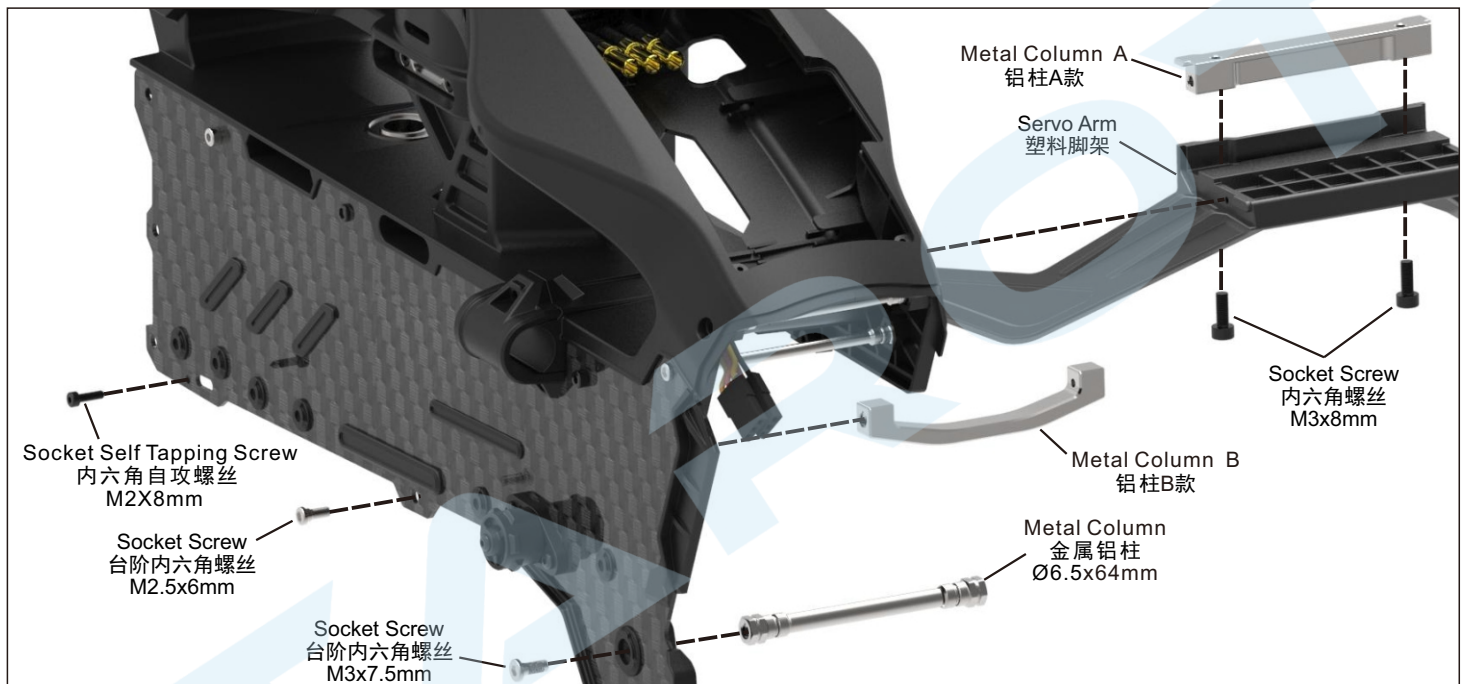
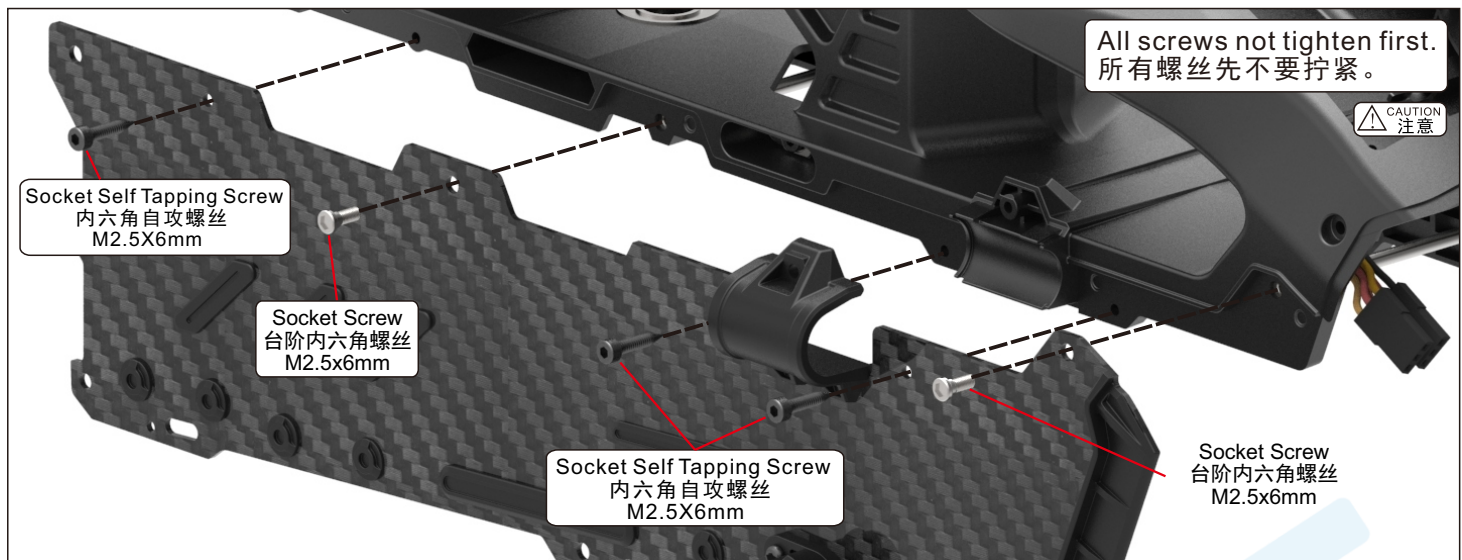
CNC 106T M1 Slant Thread  
Main Drive Gear  
CNC 106T M1斜主传动齿轮

One-way Bearing Mount  
单向轴承座

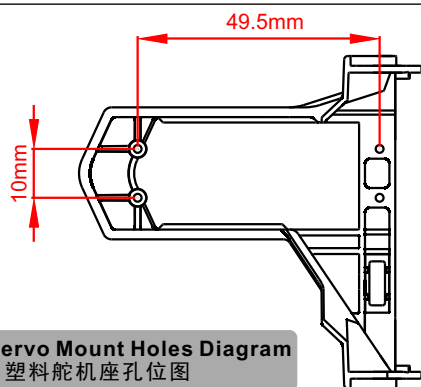




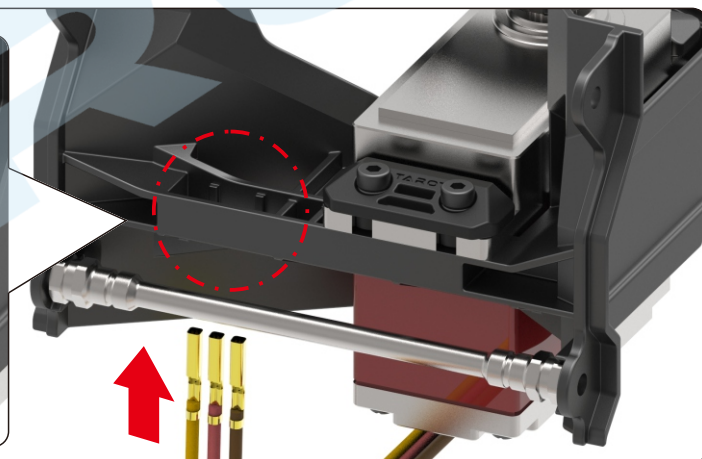
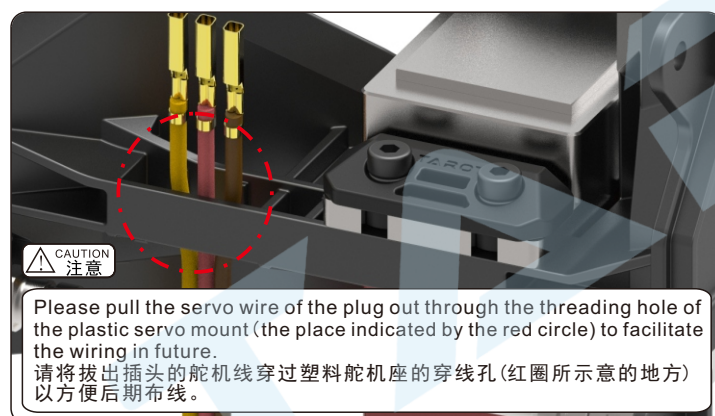
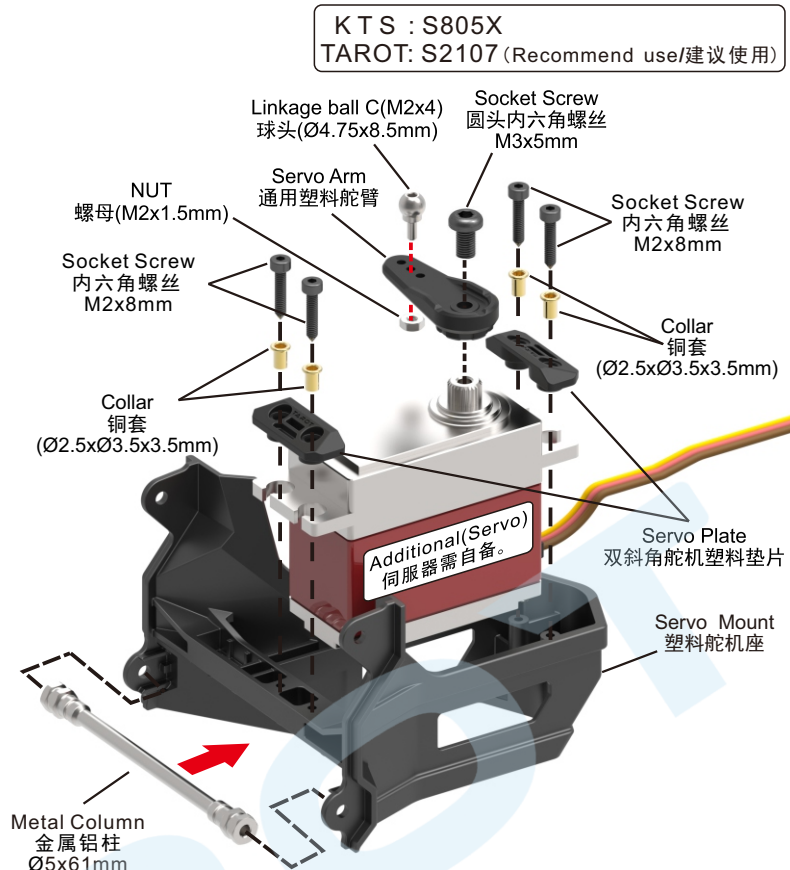
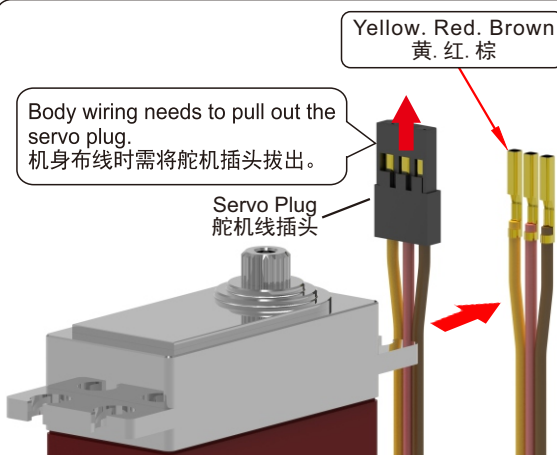




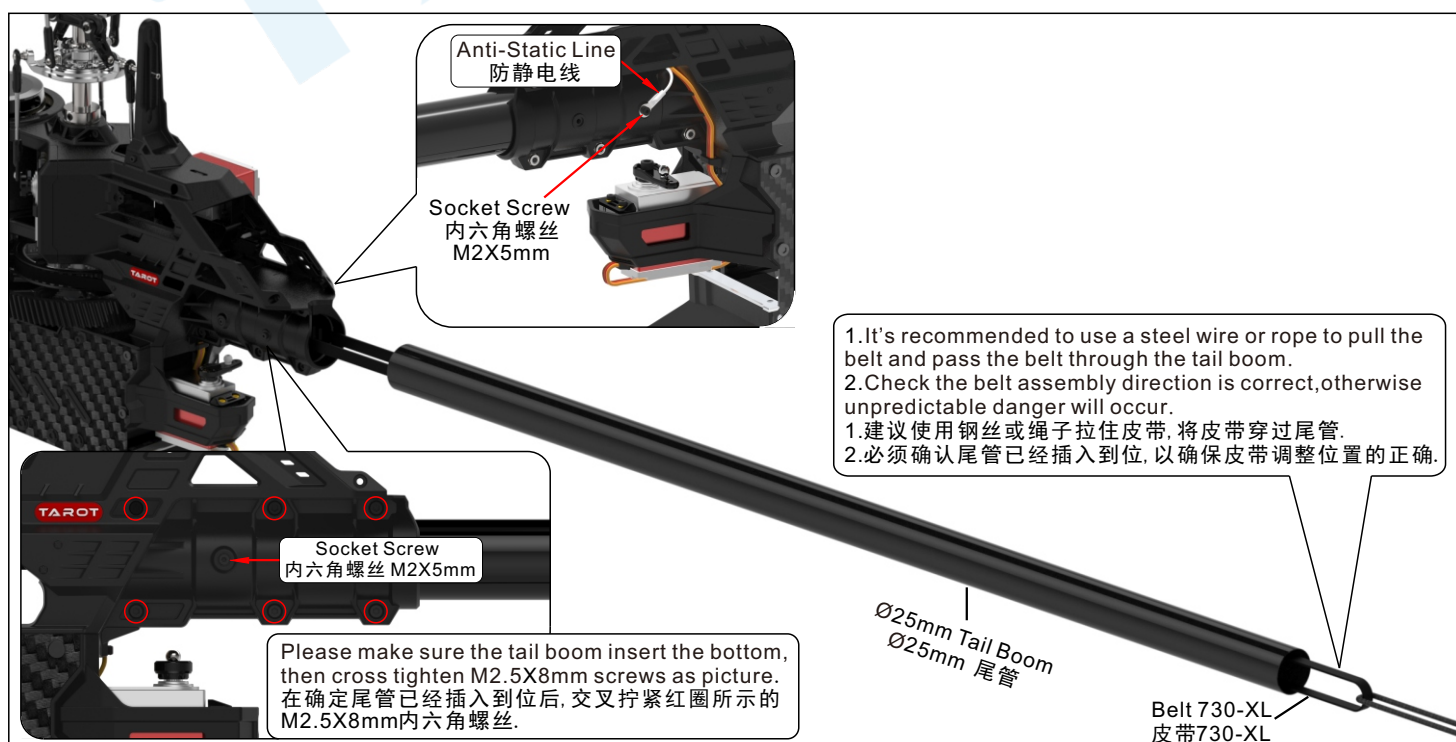
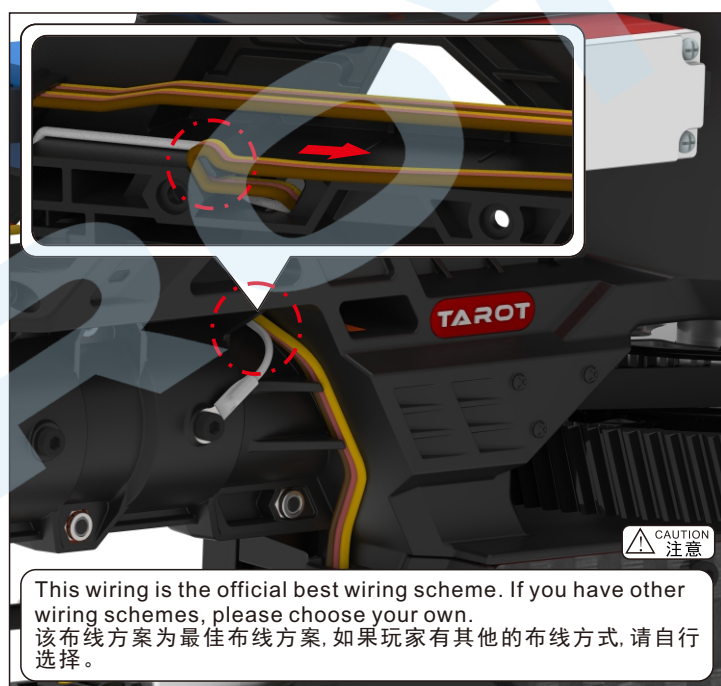
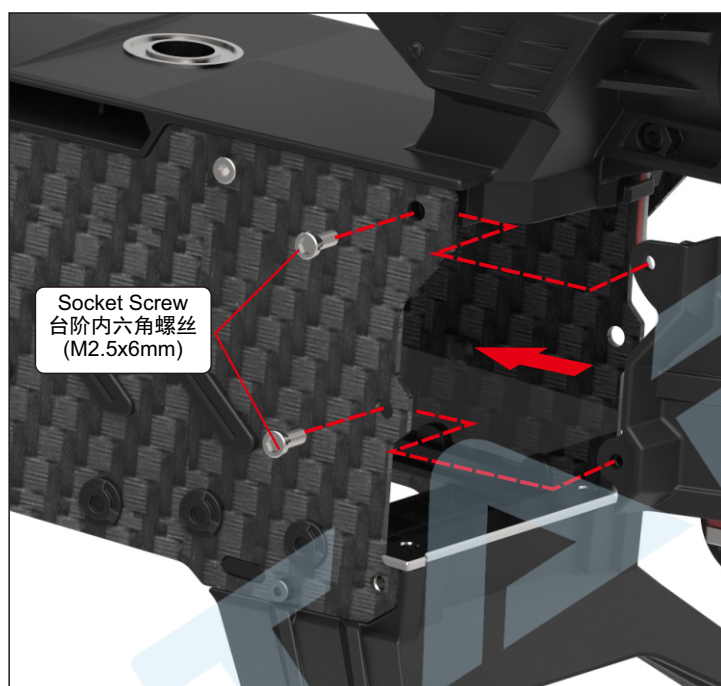
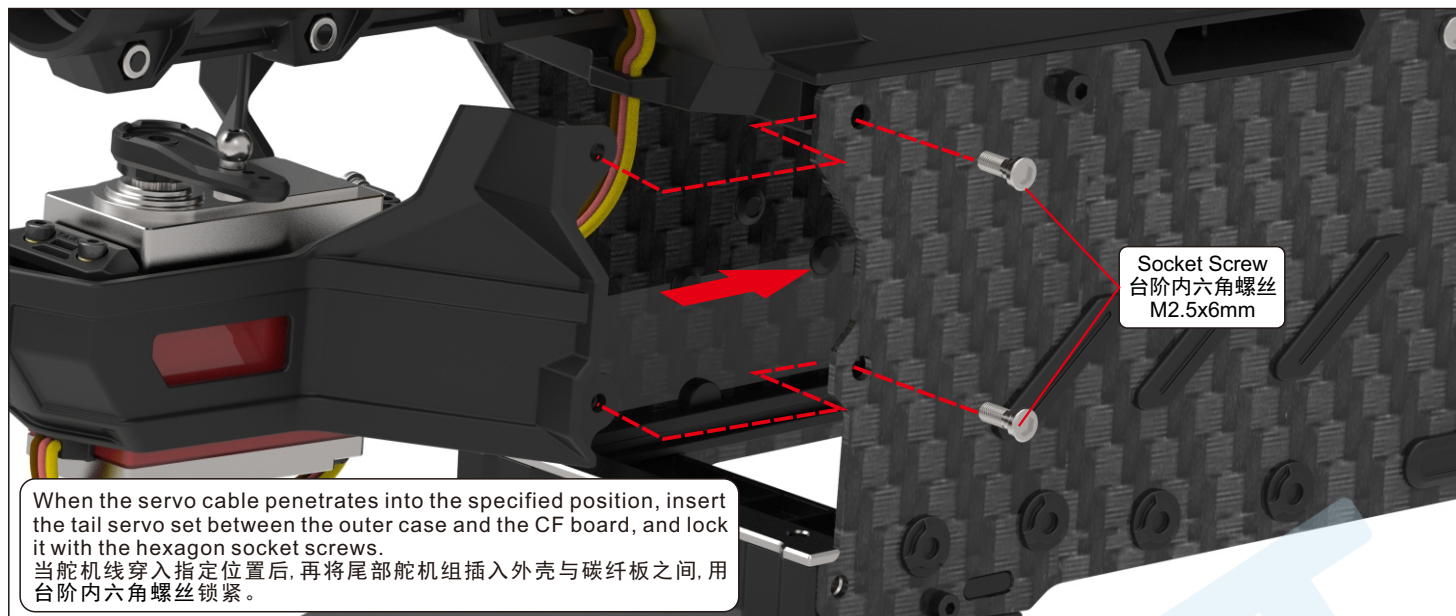




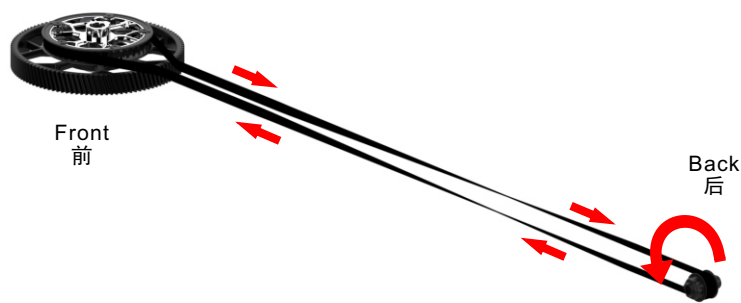
**Plastic Servo Mount Holes Diagram**  
塑料舵机座孔位图



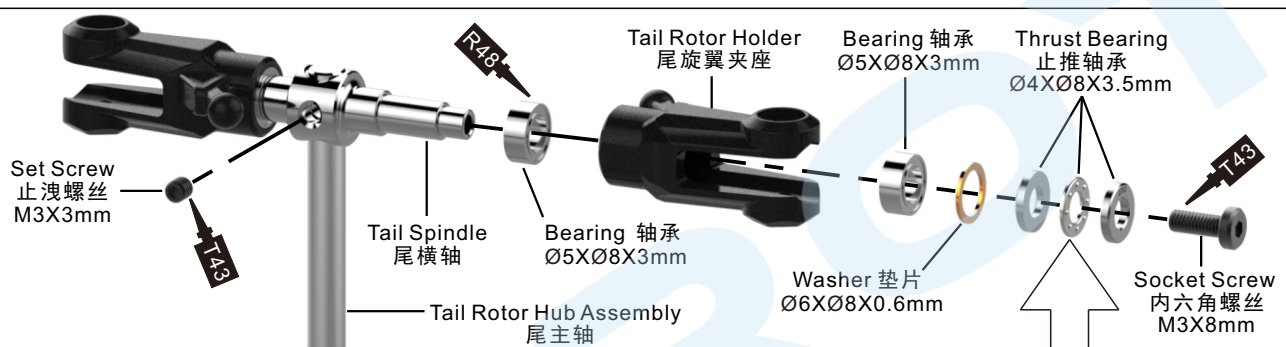
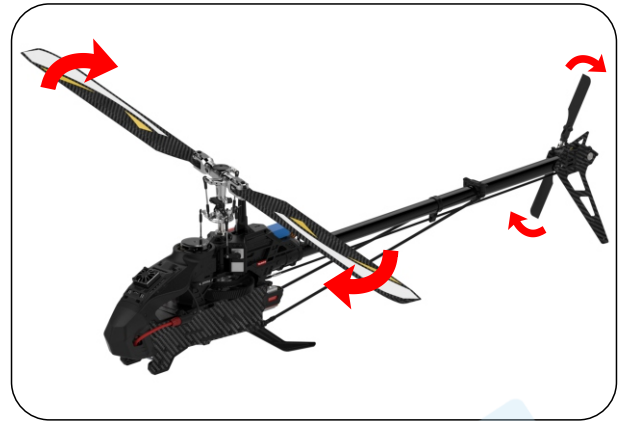




## Tail Dive Belt Installation Diagram 尾传动皮带安装示意图



Tail belt must have a 90 degree counterclockwise turn from the front tail assembly to the rear tail assembly.  
皮带尾部组装应逆时针旋转90度。

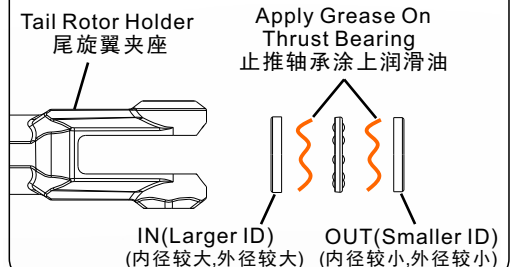


**CAUTION 注意**  
For original manufactory package, if the product is already assembled by factory, please check again if screws are firmly secured and applied with some glue.  
原装零件出厂包装如果组装完毕, 请需再确认各螺丝是否锁紧上胶。

Tail Pitch Slider Link Assembly 尾距滑块总成

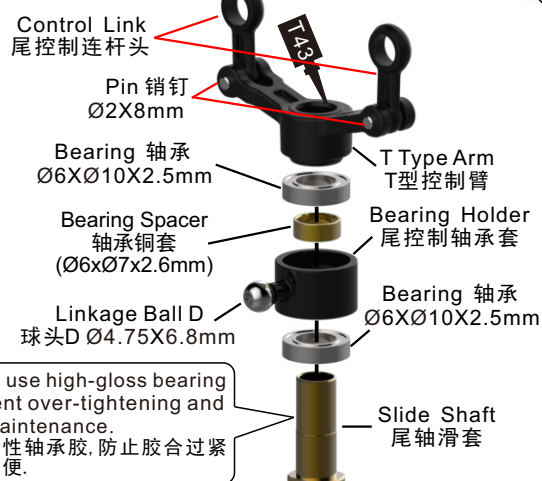


### Thrust Bearing 止推轴承

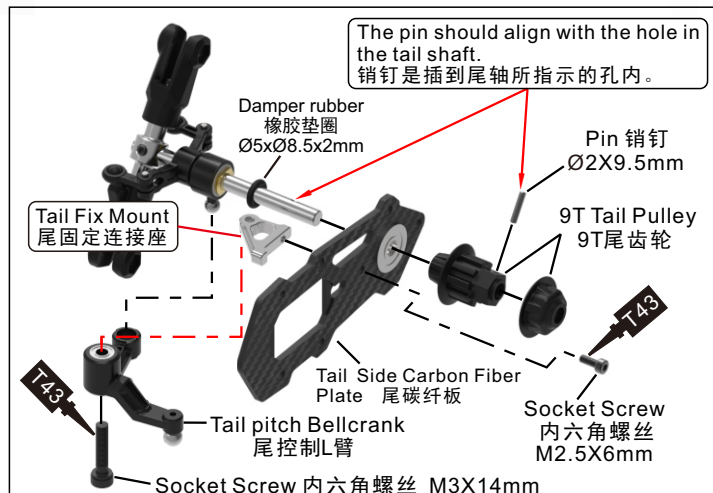


Thrust bearing and washer for radial bearing are wear items, and thus should be inspected for replacement after every 15~20 flights. For flights with high headspeed, the inspection interval should be reduced to ensure flight safety.

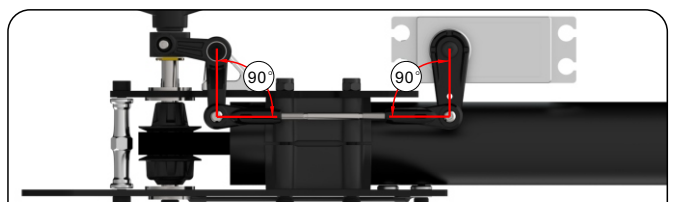
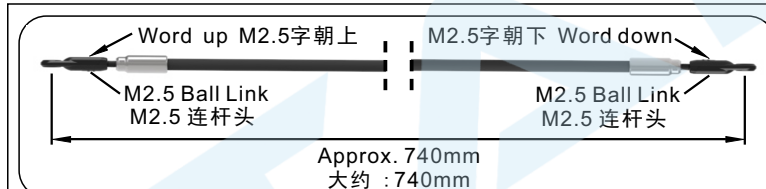
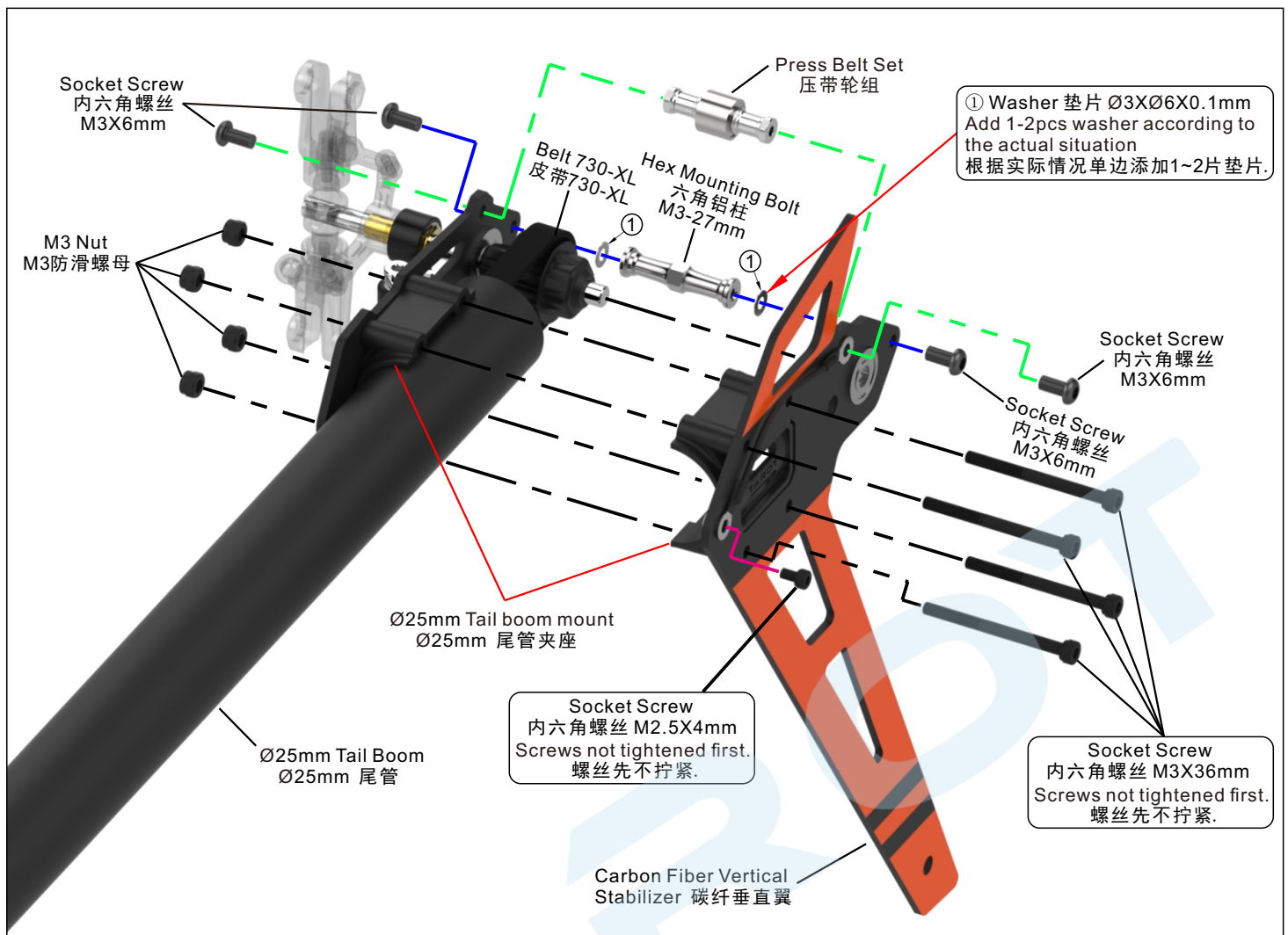
止推轴承及横轴垫圈属于飞行消耗品, 建议15~20趟定期检查及更换。主旋翼高转速飞行时, 请缩短定期检查的趟数, 以确保飞行安全。



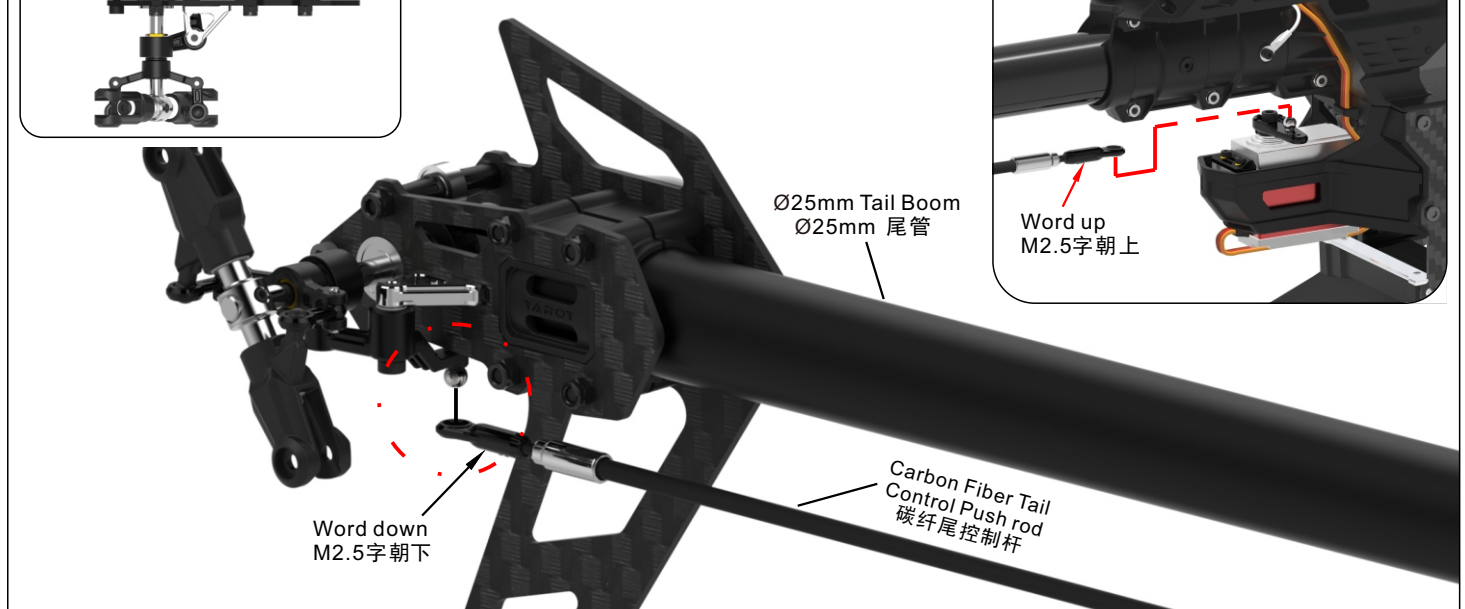
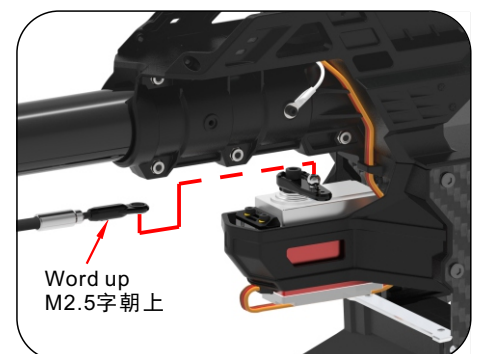
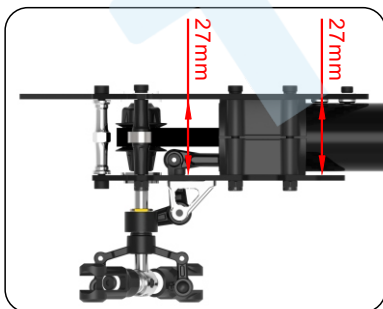
It's forbidden to use high-gloss bearing rubber to prevent over-tightening and lead to future maintenance.  
严禁使用高胶合性轴承胶, 防止胶合过紧导致日后维修不便。



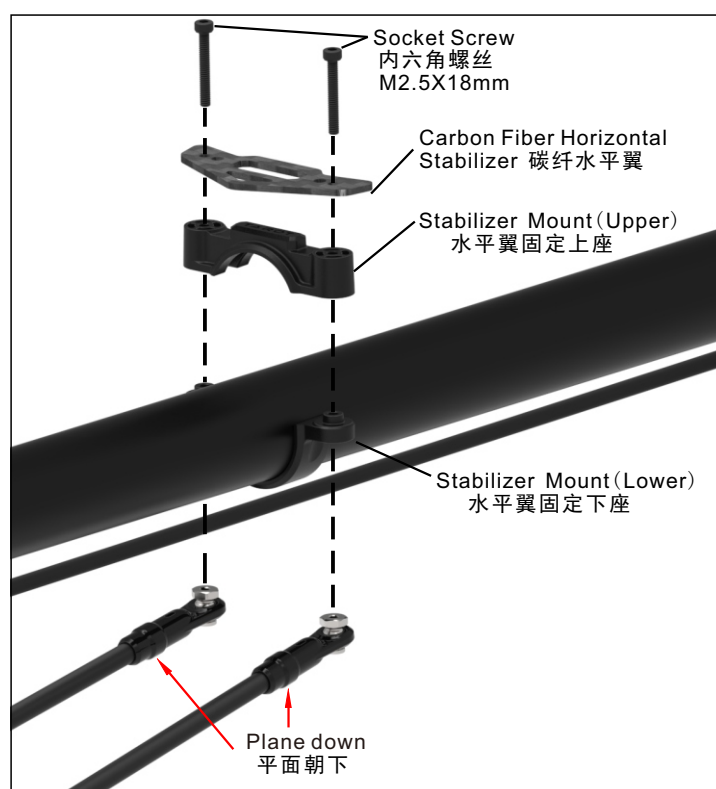
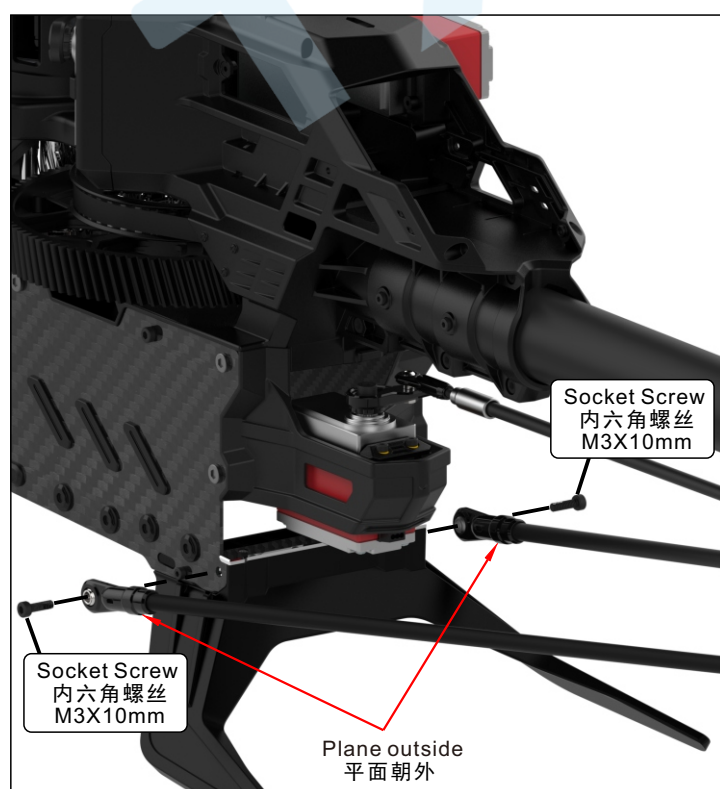
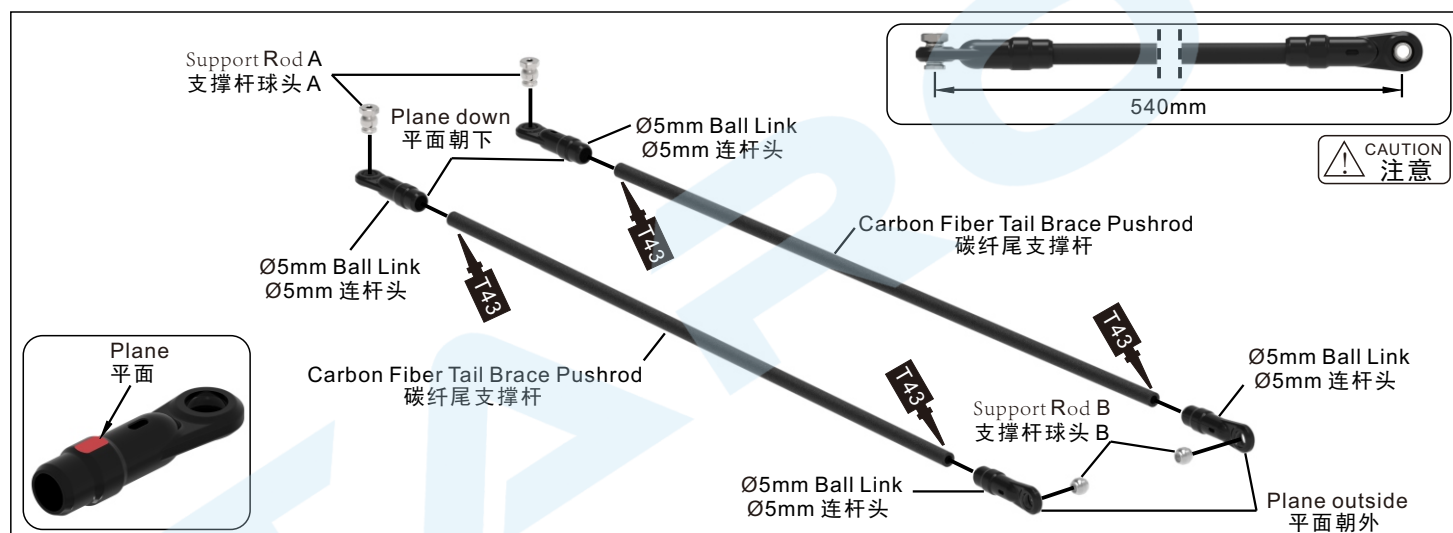


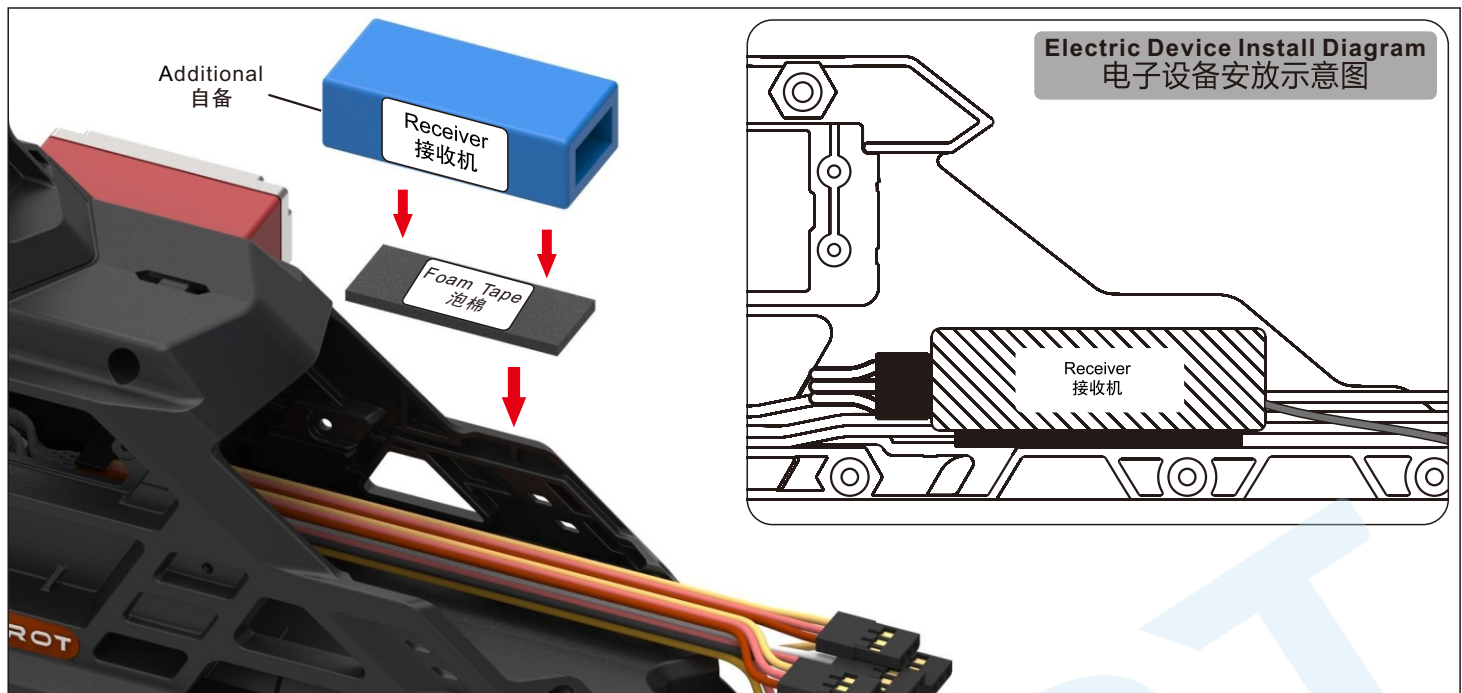


To adjust, leave the heli unpowered. The exact center position of the servo arm will be determined in the trim flight.  
要进行调整舵机臂时, 请关闭直升机电源.







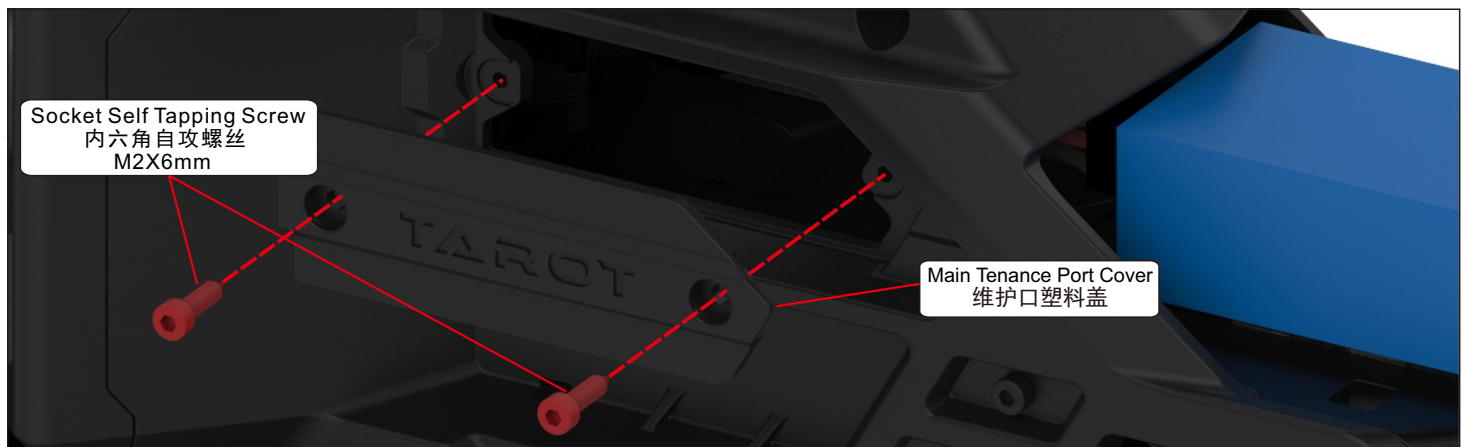
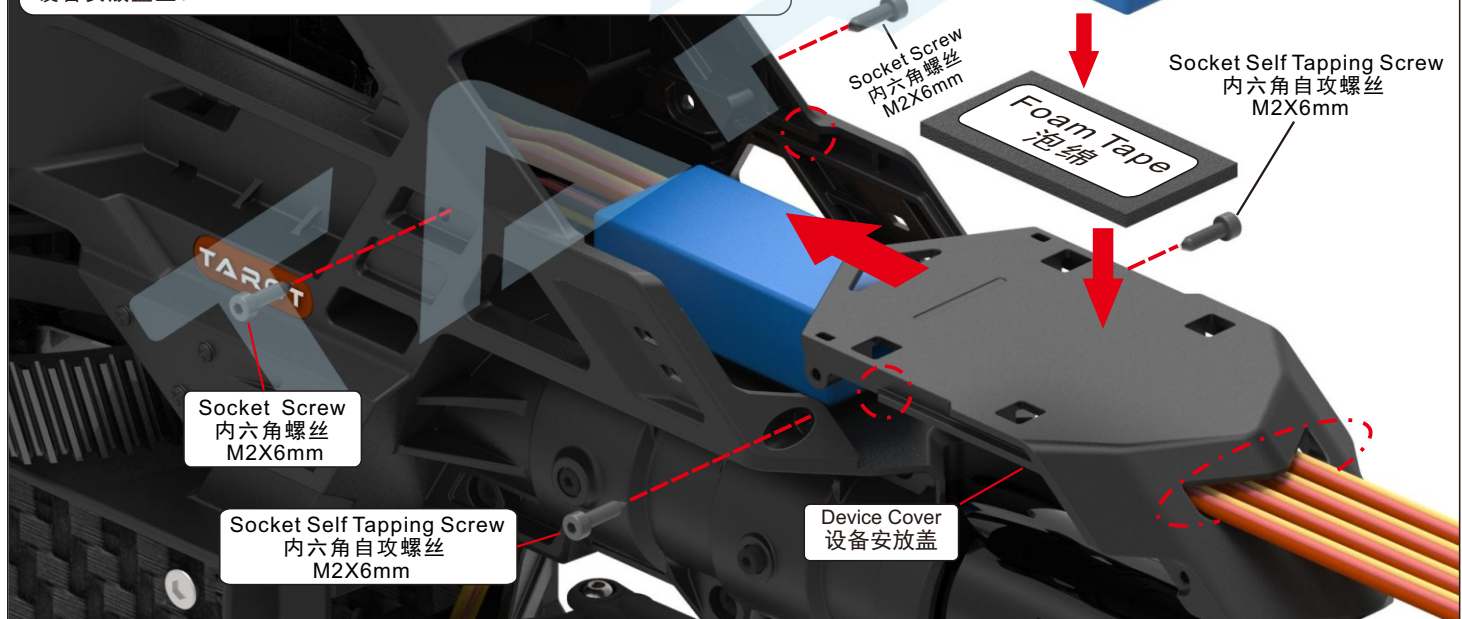


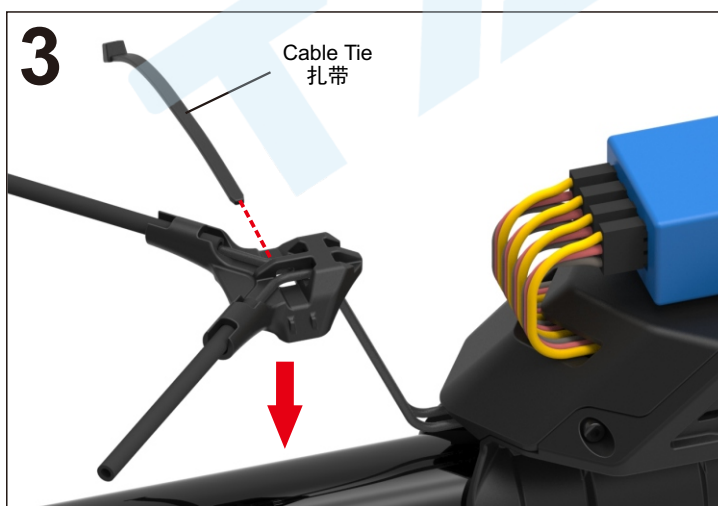
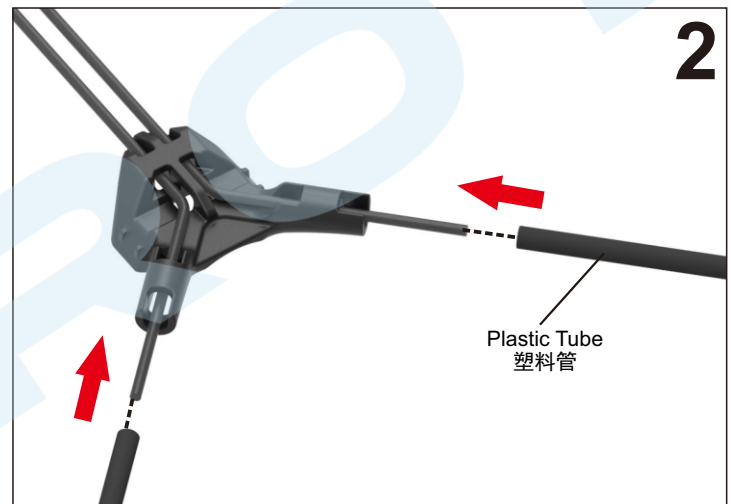
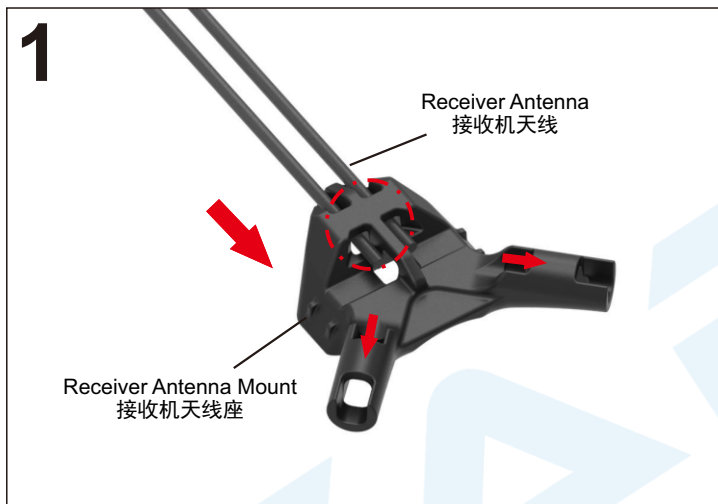
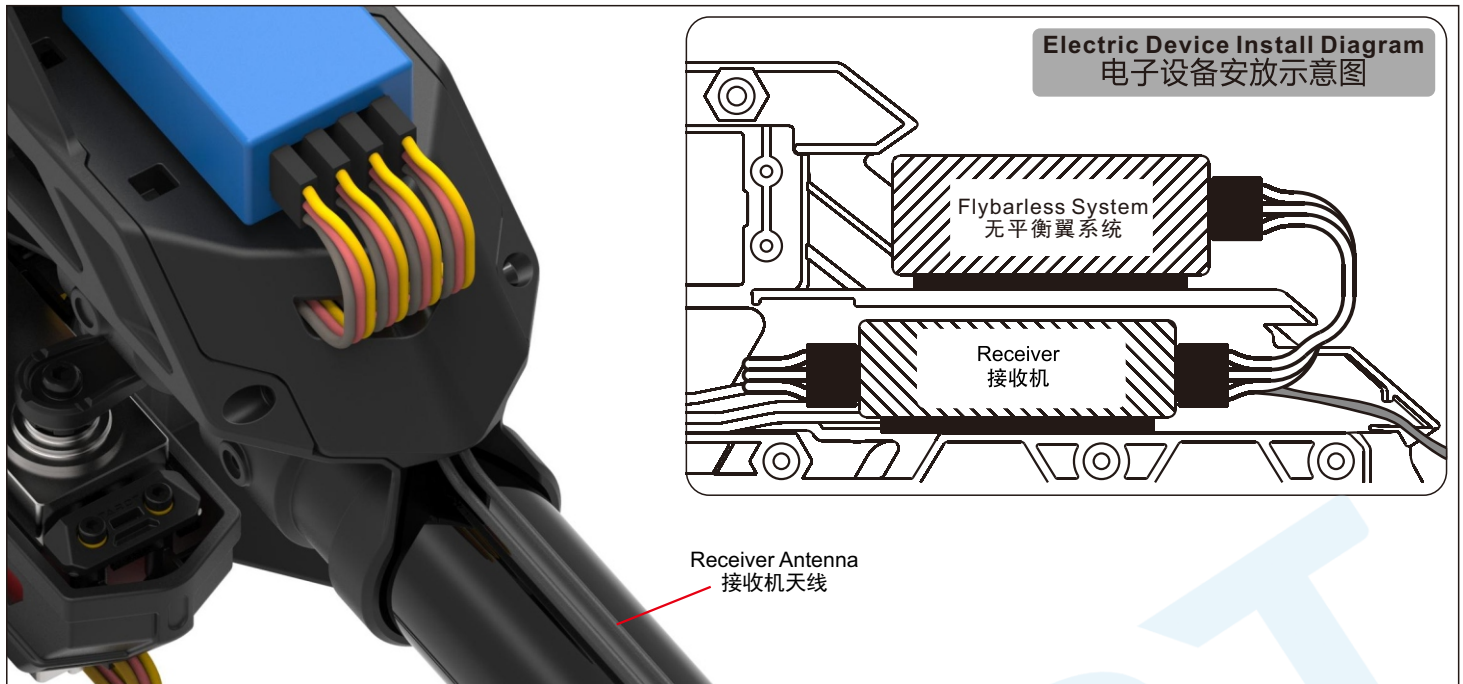
#### Installation of device cover:

First pass the previously embedded wire through the cable opening of the device cover, then align the device mounting cover with the slot of the helicopter case, push it into place and reach the bottom and then accord to the instal holes, use 4pcs M2x10mm screws fix the device cover. Finally, fixed FC or others on the device cover with a sponge.

#### 设备安放板的安装:

先将之前预埋的线穿过设备安放板的走线口,然后将设备安放盖对准飞机外壳的插槽,将其推入并装配到位,再将4枚M2x10mm分别安装在外壳的螺丝安装孔上将设备安放盖固定。最后把飞控等设备用海绵贴固定在设备安放盖上。





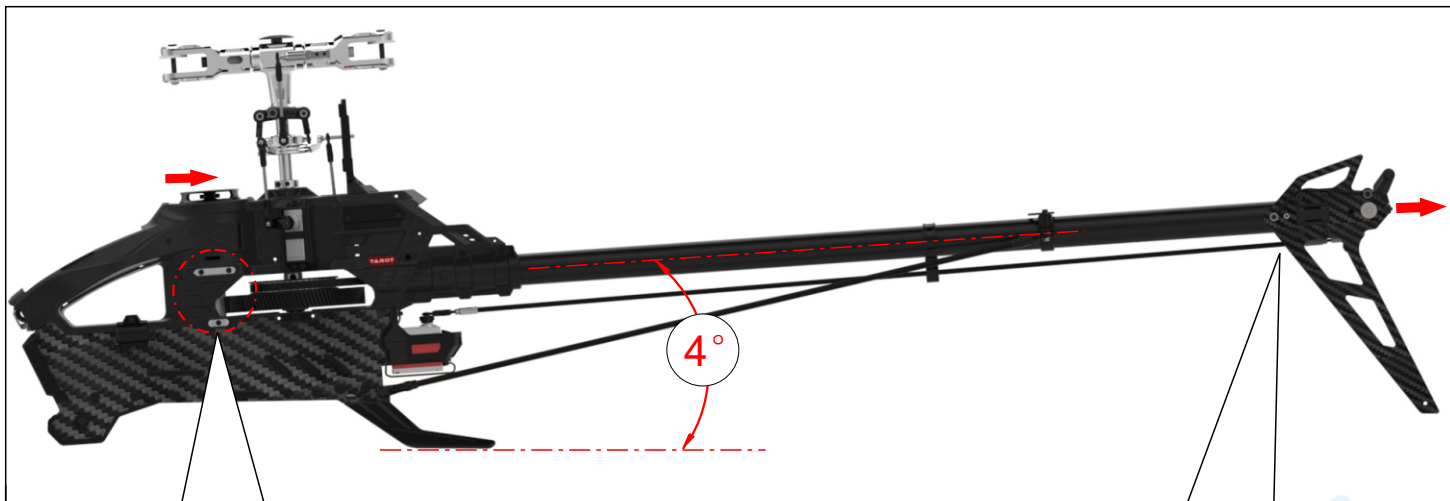
#### Receiver antenna mount installation :

First insert the antenna into the antenna mount (see Figure 1); then pass the antenna through the plastic tube and insert the plastic tube into the antenna mount (Figure 2); then take the cable tie from the set position. (Figure 3); and finally fix the antenna mount with the cable tie at the tail tube position (Figure 4).

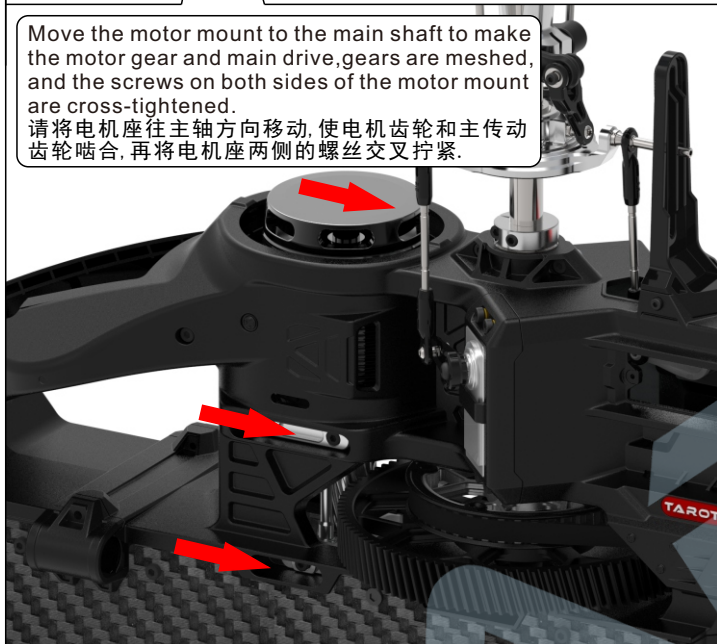
#### 接收机天线座的安装:

首先将接收机天线插入接收机天线座内（如图1）；然后把接收机天线穿过塑料管，并将塑料管插入接收机天线座内（如图2）；再把扎带从制定位置穿入（如图3）；最后将接收机天线座用扎带固定在尾部管位置（如图4）。





Move the motor mount to the main shaft to make the motor gear and main drive gears meshed, and the screws on both sides of the motor mount are cross-tightened.  
 请将电机座往主轴方向移动,使电机齿轮和主传动齿轮啮合,再将电机座两侧的螺丝交叉拧紧。



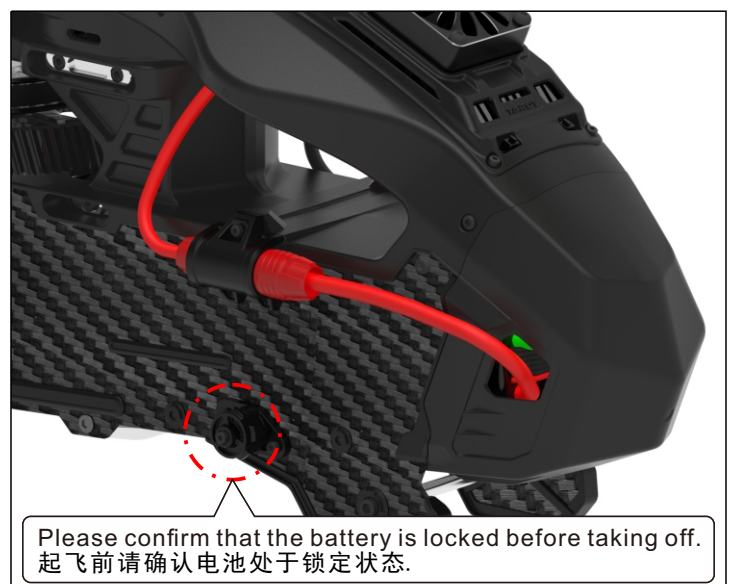
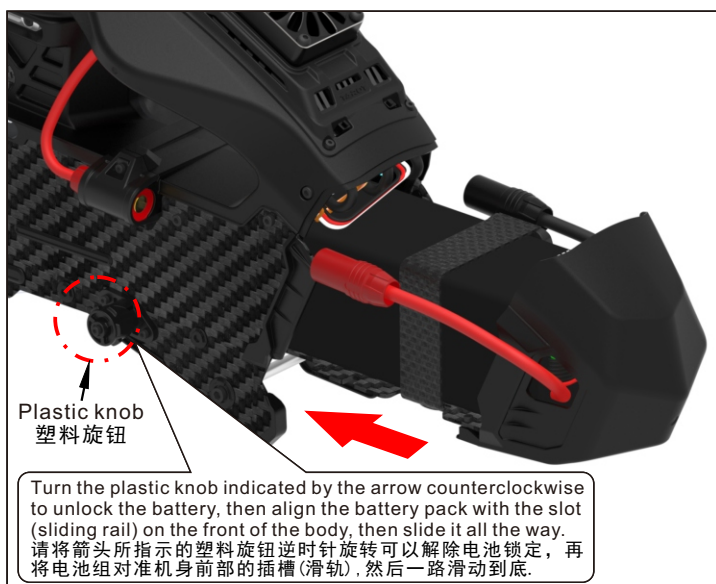
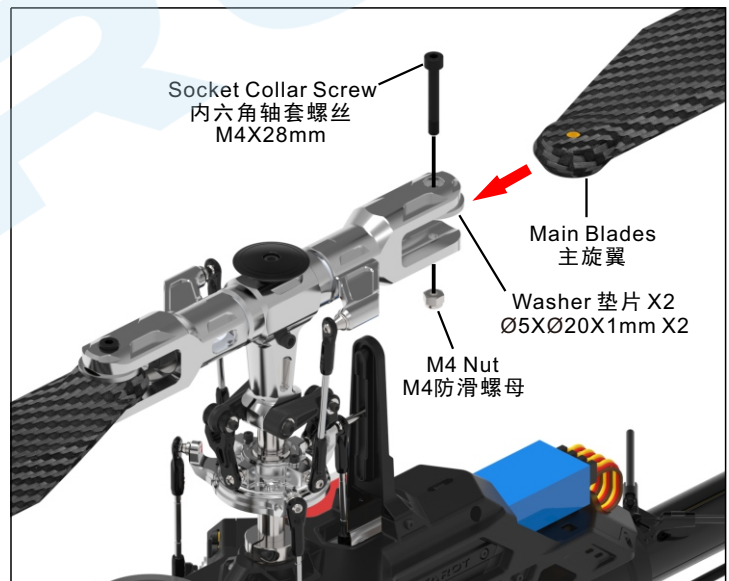
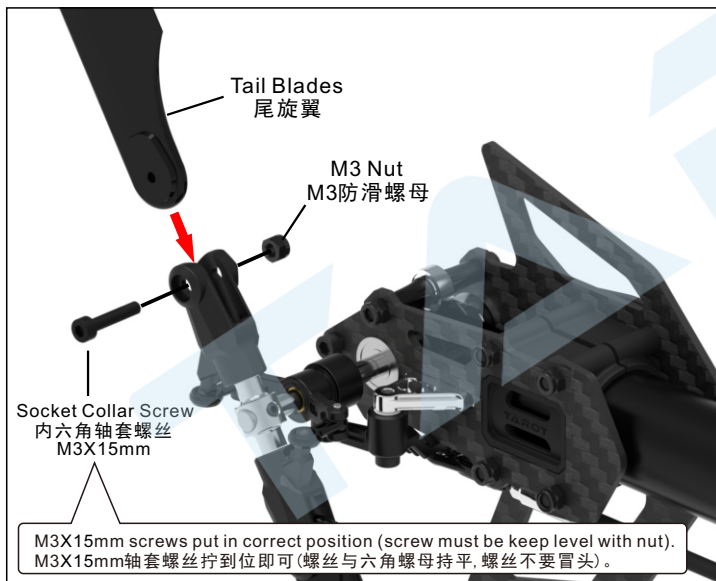
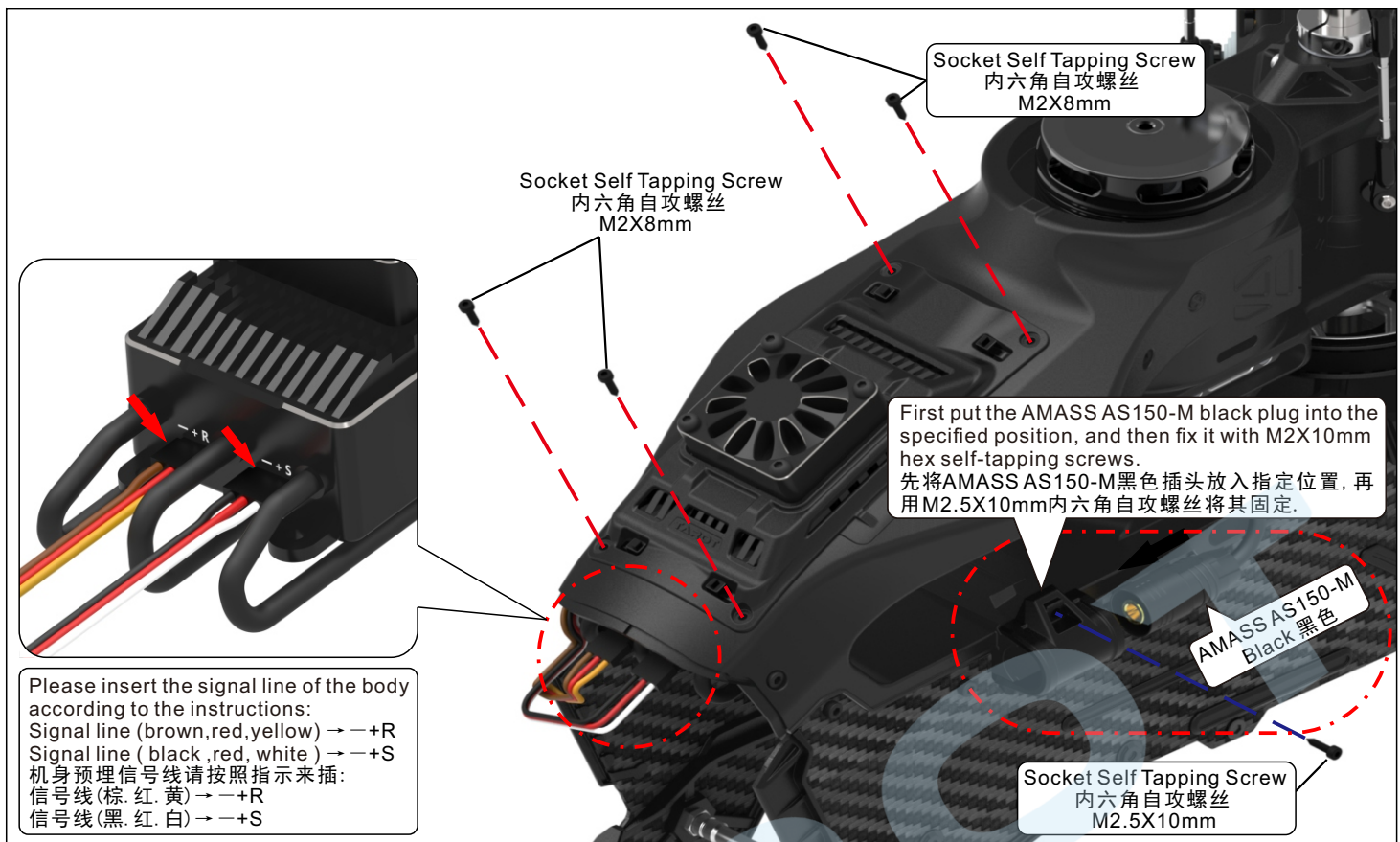
Pull the tail gear box backwards, please pay attention to the tightness of the belt and cross-tighten the screws. When tightening the screws, ensure that the tail shaft rotates smoothly.  
 向后拉动尾波箱,请注意皮带的松紧状态并交叉拧紧螺丝。拧紧螺丝时要保证尾轴转动顺畅。



Finally tighten to hold it against the tail boom, Discharge static electricity.  
 最后拧紧,使其顶住尾管,释放静电。

Please arrange the three silicone wires neatly so as not to cause the ESC plastic cover to be installed.  
 三根硅胶电线走线请排列整齐,以免引起电调塑料盖无法安装。

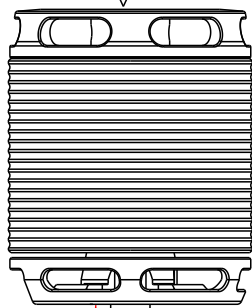






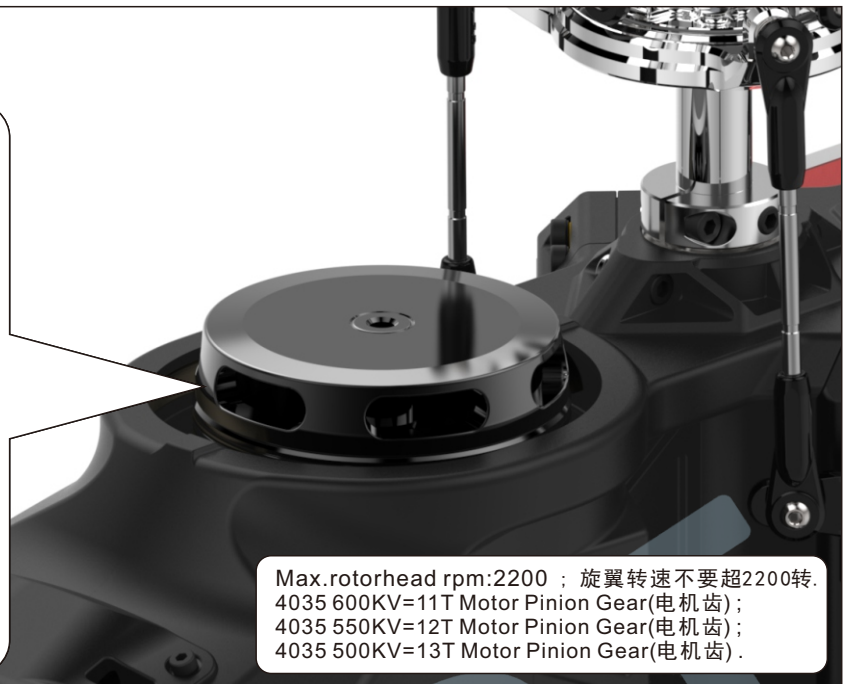
### Maximum motor size: 可容纳电机最大尺寸:

Motor position of body maximum size 53mm.  
机身的电机位最大尺寸为53mm.



47mm (Max)

550 Helicopter: Ø5mm  
600 Helicopter: Ø6mm  
550 直升机: Ø5mm  
600 直升机: Ø6mm

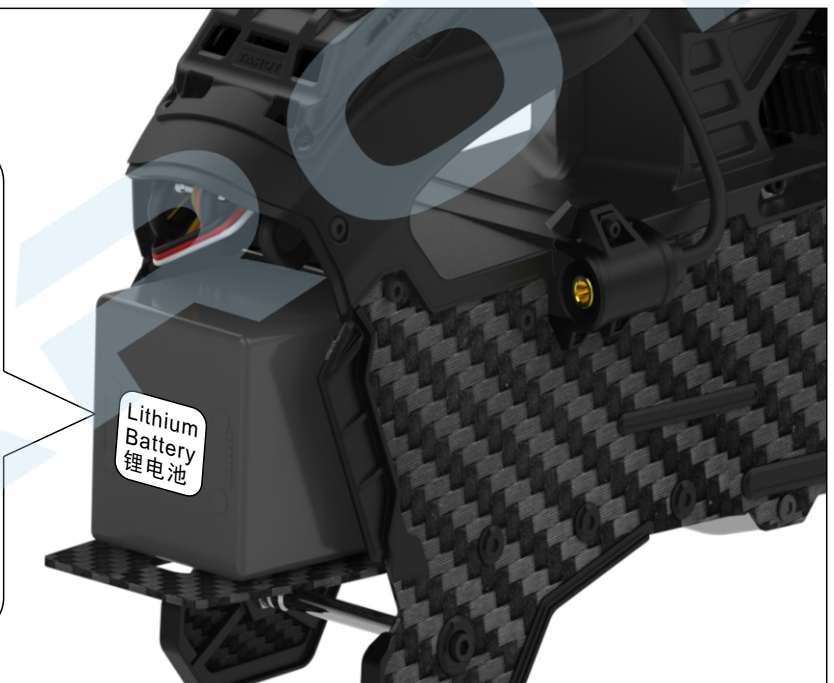
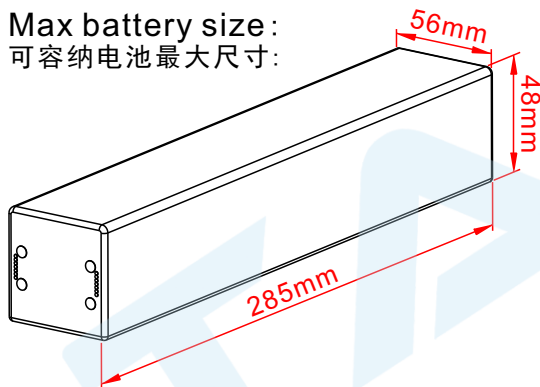


Max. rotorhead rpm: 2200 ; 旋翼转速不要超2200转.  
4035 600KV=11T Motor Pinion Gear(电机齿);  
4035 550KV=12T Motor Pinion Gear(电机齿);  
4035 500KV=13T Motor Pinion Gear(电机齿).

### Maximum battery size: 可容纳电池最大尺寸:

Applicable Battery 适用电池:  
12S 44.4V 3300mAh

Max battery size:  
可容纳电池最大尺寸:



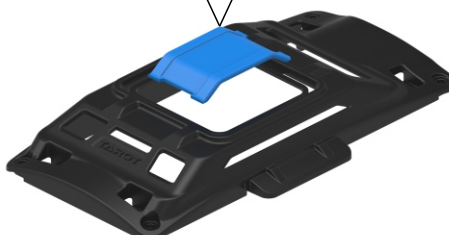
### ESC cutting size: 不同电调的切割方式:

The size of the red area of the ESC cover is cut according to different ESC.  
电调塑料盖红色区域的尺寸是根据不同的电调来切割的.

ESC with out cooling fan no need to be cut.  
没有散热风扇的电调不需要切割.



HOBBYWING PLATINUM 100A ESC  
removes all blue parts.  
HOBBYWING PLATINUM 100A 电调  
是将蓝色部分全部去除.



HOBBYWING PLATINUM HV130A ESC  
removes all red parts.  
HOBBYWING PLATINUM HV130A 电调  
是将红色部分全部去除.





	Problem 状况	Cause 原因	Solution 对策
Blade Tracking 双桨平衡	Tracking is Off 双桨	Pitch linkage rods are not even length. PITCH 连杆长度调整不均匀.	Adjust length of pitch linkage rods (A). 调整连杆(A)长度.
Hover 停 悬	Headspeed too low or high. 主旋翼转速偏低或者偏高.	Excessive pitch high or low. 主旋翼的PITCH偏高或过低.	Adjust pitch linkAge rods(A) to reduce pitch by 4 to 5 degrees.Hovering headspeed should be around 1900RPM. 调整连杆(A)调低Pitch约+4~5度(停悬时主旋翼需为约1900RPM).
		Hovering Throttle curve is too low or high. 停悬点油门曲线过低或过高.	Increase throttle curve at hovering point on transmitter(around 65%). 调停悬点油门曲线(约65%).
Oscillation during flight 飞行抖动	Helicopter Oscillation. 机身抖动.	Main shaft instal no vertical, Main shaft bear mount screws need to Cross tighten. 主轴安装不垂直, 主轴轴承座螺丝需要交叉拧紧.	Please refer to page 15. 请参照说明注第15页.
	Foward/aft oscillation when elevator is applied. 升降舵打舵动作时, 机体前后抖动.	Elevator gyro gain too high. 升降舵陀螺感度偏高, 产生追踪现象.	Turn the ELE gaina dial on 3GX counterclockwise, 10degrees at a time until oscillation is eliminated. 逆时针调整3GX上的升降舵感度调整旋钮, 以每次调整约10度方式, 调整至适当位置.
	Helicopter front bobbles (nods) during foward flight. 直线飞行时, 机头点头.	Worn servo, or slack in control links. 伺服器老化控制结构有虚位.	Replace servo, ball link, or linkage balls. 更换伺服器, 连杆头, 球头.
	Left/right oscillation when aileron is applied. 副翼打舵动作时, 机体左右抖动. Elevator input causes helicopter to drift. 升降舵动作漂移.	Aileron gyro gain too high. 副翼陀螺感度偏高产生追踪现象.	Turn the AIL gain dial on 3GX counterclockwise, 10degrees at a time until oscillation is eliminated. 逆时针调整3GX上的副翼感度调整旋钮, 以每次调整约10度方式, 调整至适当位置.
Helicopter Head Up 直升机机头会上扬	Helicopter head up during fast flight. 快速飞行时直升机机头会上扬.	Gyro pitch gain too low. 俯仰(Pitch)感度不足.	Increase the pitch gain. 请调高俯仰(Pitch)感度.
		Elevator trim not centered. 十字盘升降舵中立点不对.	Check if helicopter is tilting backwards during hover. 请测试悬停时, 直升机中立点是否朝后.
Rudder Response 尾舵反应	Drifting of tail occurs during hovering, or delay of rudder response when centering rudder stick. 停悬时尾翼向某一边偏移, 或拨动方向舵并回复到中立点时, 尾翼产生延迟, 无法停顿在所控制位置上.	Rudder neutral point improperly set. 尾中立点设定不当. Rudder gyro gain too low. 尾舵陀螺仪感度偏低.	Reset rudder neutral point. 重设尾中立点. Increase rudder gyro gain. 增加尾舵陀螺仪感度.
	Tail oscillates (hunting, or wags) at hover or full throttle. 停悬或全油门时尾翼左右来回摇摆.	Rudder gyro gain too high. 尾舵陀螺仪感度偏高.	Reduce rudder gyro gain. 降低尾舵陀螺仪感度.
If the problem is still there even after tried above, stop flying and contact with your seller. 在做完以上调整后, 仍然无法改善情况时, 应立即停止飞行并联络你的经销商.			

# TAROT 600 HELICOPTER

## INSTRUCTION MANUAL

### Specifications&Equipment/规格配置

Length/机身长: 1168mm

Height/机身高: 325mm

Main Blade Length/主旋翼长: 600~620mm

Main Rotor Diameter/主旋翼直径: 1350mm

Tail Rotor Diameter/尾旋翼直径: 258mm

Motor Drive Gear/马达齿轮: 12T

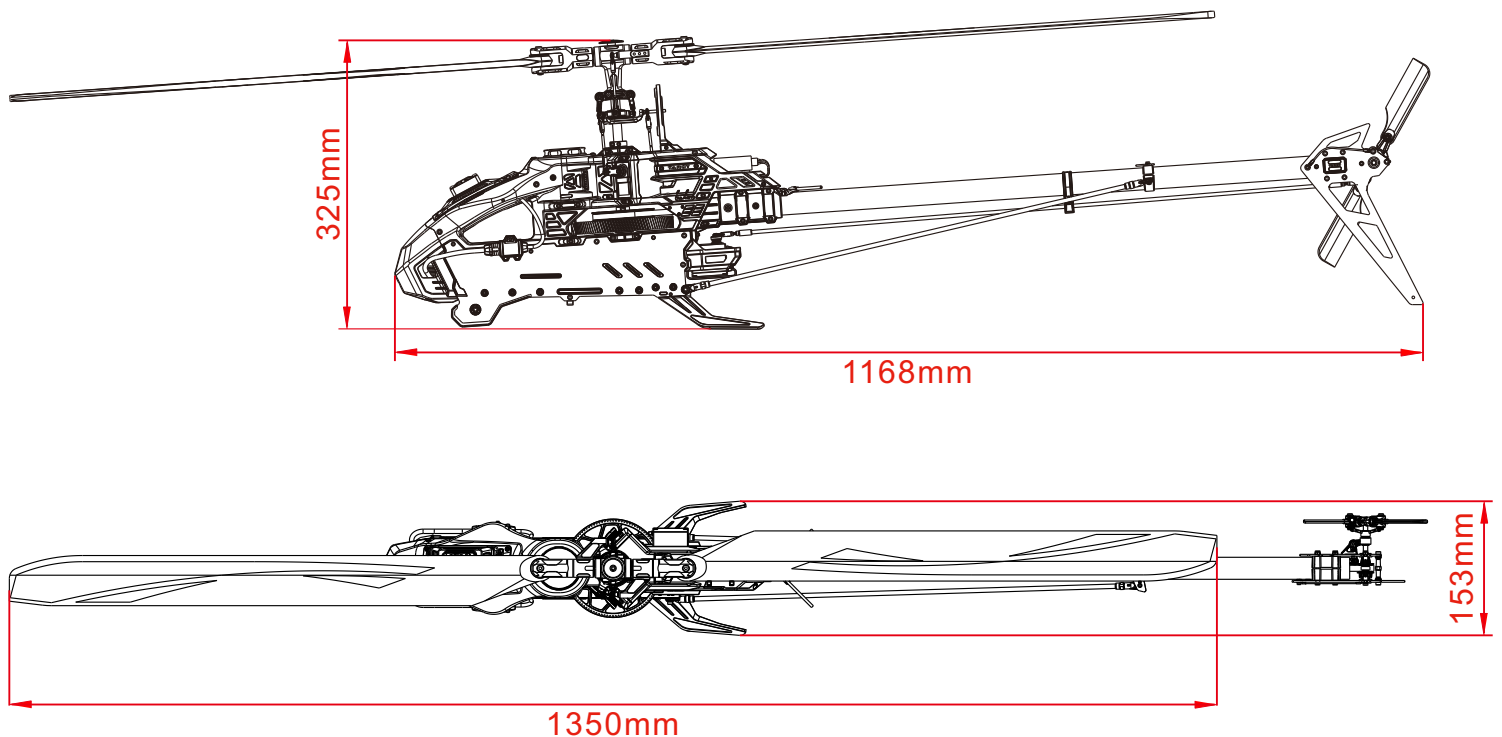
Main Drive Gear/主齿轮: 106T

Autorotation Tail Drive Gear/尾驱动主齿: 42T

Tail Drive Gear/尾传动齿: 9T

Drive Gear Ratio/齿轮传动比: 8. 83: 1: 4. 66

Weight(No power system)/空机重:  
(Come with propeller/包含桨)Approx.1650g



温州塔罗航空科技有限公司  
TAROT AVIATION TECHNOLOGY CO.,LTD

[HTTP://WWW.0577MX.COM](http://www.0577mx.com)  
[HTTP://WWW.TAROTRC.COM](http://www.tarotrc.com)

MADE IN CHINA  
2019.Jan

Please download the manual for assembly this helicopter.  
下载电子说明书能更好的装配这台直升机。