

TAROT

550 HELICOPTER INSTRUCTION MANUAL

使用说明书



Thank you for buying Tarot products. the Tarot 550 helicopter is the latest technology in Rotary RC models. Please read this manual carefully before assembling and flying the new Tarot 550 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

	Mishandling due to failure to follow these instructions may result in damage or injury. 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。
	Mishandling due to failure to follow these instructions may result in danger. 因为疏忽这些操作说明,而使用错误可能造成危险。
	Do not attempt under any circumstances. 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上的责任。

作为本产品的使用者,您,是唯一对对您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 modifications 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。

550 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，请需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。请严格遵守锂聚合电池说明书的使用注意事项。不恰当使用锂聚合电池，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，降落后也请立即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.

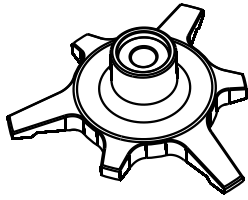
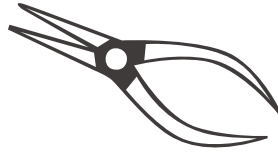
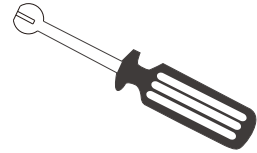
当直升机主旋翼与尾旋翼高速旋转时，请勿触摸并保持安全距离以免造成危险及损坏，否则会造成自己与他人身体上或环境上的严重损伤。

**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涉或崩吃的情形，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

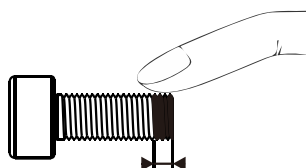
T43: Apply small amount of Thread to fix
螺丝胶：使用适量螺丝胶

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)

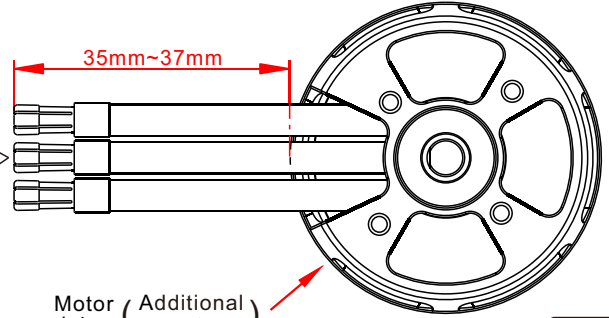
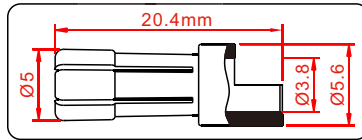
WD40: Apply small amount of WD40 to fix (Additional)
WD40润滑剂：使用适量WD40润滑剂 (自备)

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.

CAUTION 注意



CAUTION 注意

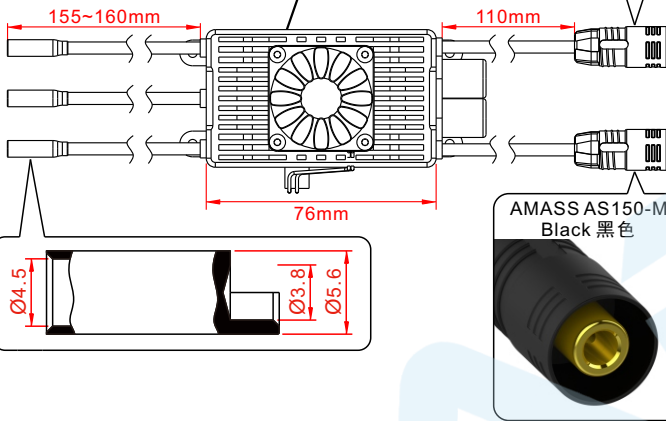
Max.rotorhead rpm:2200 ; 旋翼转速不要超2200转.
 Max.collective range:+/- 12°
 4030/4035 1000~1050KV=15T Motor Pinion Gear(电机齿).

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.

CAUTION 注意

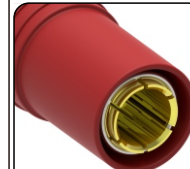
HOBBYWING PLATINUM HV130A (Additional/自备)



Red 红色 AMASS AS150-M



Black 黑色 AMASS AS150-M



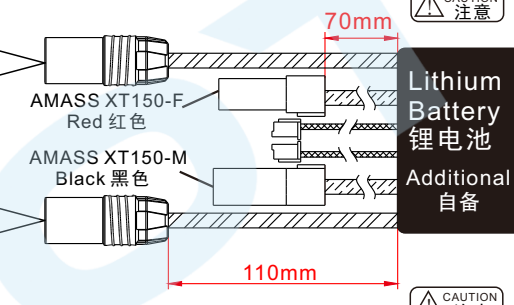
Red 红色 AMASS AS150-F



Black 黑色 AMASS AS150-F

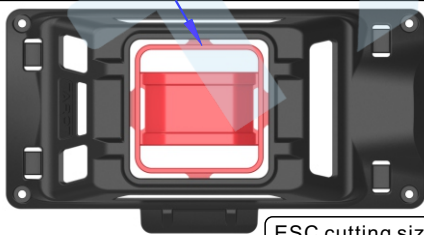
Before installation, cut the battery wires to the specified length.
 安装前, 将电池的电线按照规定的长度进行裁剪.

CAUTION 注意



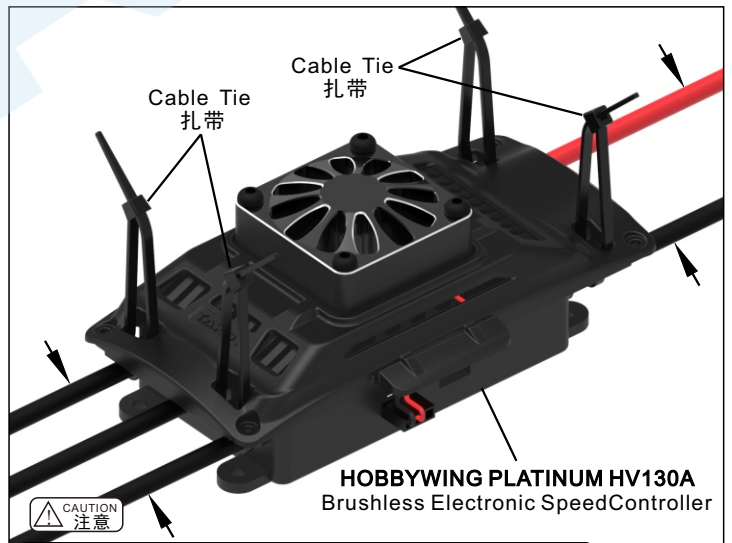
Maximum battery size please refer to P. 28
 可容纳电池最大尺寸请参考 P. 28

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.



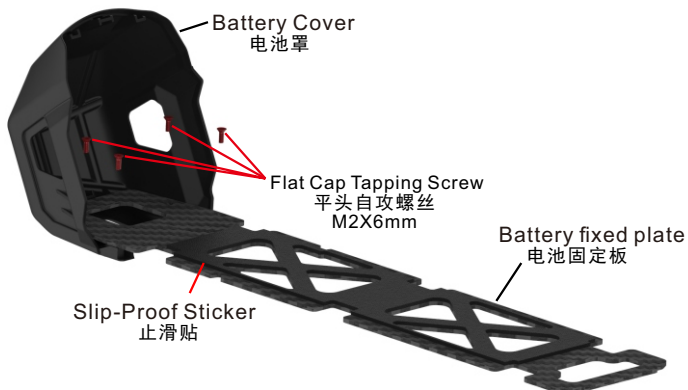
ESC Plastic Cover 电调塑料盖

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

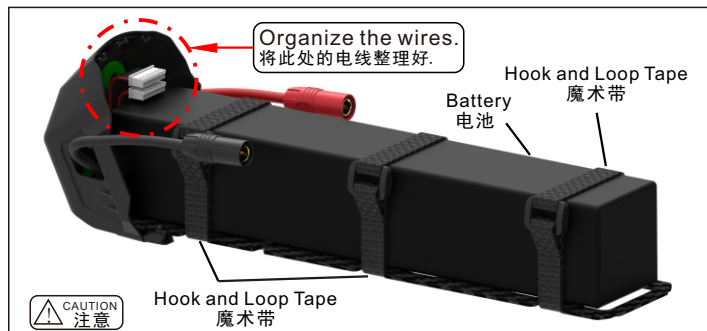


CAUTION 注意

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.



CAUTION 注意

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(Ø6xØ14x5mm)x2

Spindle Bearing Spacer
横轴轴承垫片
(Ø11xØ14x0.5mm)x2

Bearing
轴承(Ø8xØ14x4mm)x4

Socket Screw
圆头内六角螺丝(M3x8mm)x2

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.

Thrust Bearing 止推轴承

Main Rotor Holder
主旋翼夹座

Apply Grease On Thrust Bearing
止推轴承涂上润滑油

IN(Larger ID)
(内径较大 外径较大)

OUT(Smaller ID)
(内径较小 外径较小)

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.

CAUTION 注意

Main Rotor Holder Arm
550主旋翼夹座臂

Main Rotor Holder
550主旋翼夹座

Spindle Bearing Spacer
横轴轴承垫片
Ø11xØ14x1mm

Thrust Bearing
止推轴承
Ø6xØ14x5mm

Bearing
轴承
Ø8xØ14x4mm

Socket Screw
内六角螺丝
M3x8mm

R48

T43

X2

Damper rubber
横轴橡胶垫圈
Ø7xØ16xØ4.5mmx6

Spindle Bearing Spacer
横轴轴承垫片
Ø11xØ14x1mmx2

Spindle Bearing Spacer
横轴轴承垫片
Ø4xØ12x1mmx2

Spindle Bearing Spacer
横轴轴承垫片
Ø8xØ11x0.5mmx2

Socket Screw
内六角螺丝
M4x8mmx2

CAUTION 注意

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

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

Metal Main Rotor Housing
主旋翼固定座

Feathering Shaft
横轴
Ø6xØ8x86mm

Damper Rubber
横轴橡胶垫圈
Ø7xØ16xØ4.5mm

Spindle Bearing Spacer
横轴轴承垫片
Ø8xØ15x2.5mm

Spindle Bearing Spacer
横轴轴承垫片
Ø4xØ12x1mm

Socket Screw
内六角螺丝
M4x10mm

Oil

T43

Before installation the rupper, please put the rupper in hot water for 2 minutes. when installing apply the oil first, then push the six Ø7xØ16xØ4.5mm to the end.
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, 再将六颗Ø7xØ16xØ4.5mm推到底.

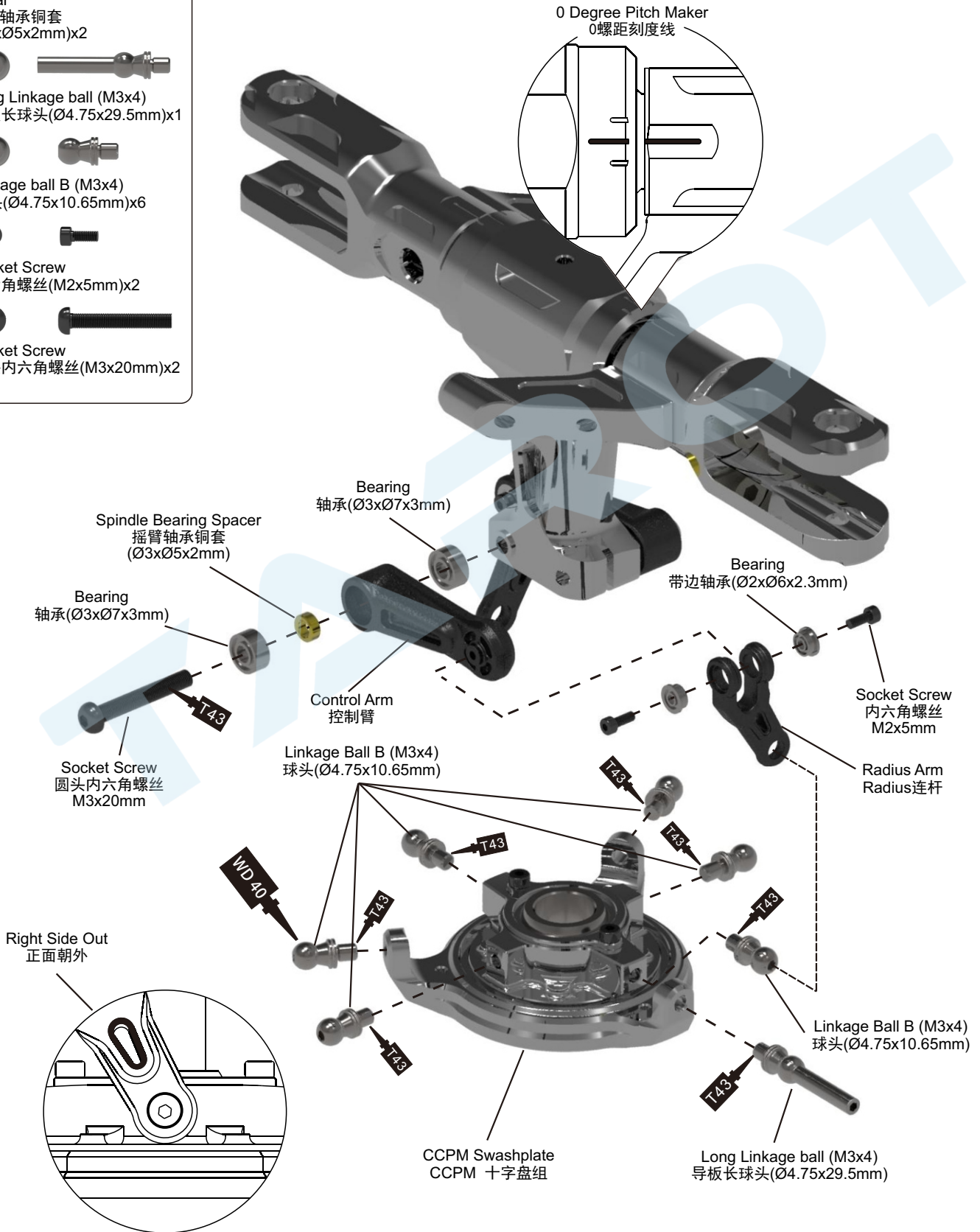
The feathering shaft and feathering shaft socket screws are wear items, and thus should be inspected for replacement after every 20 flights. For flights with high head speed, the inspection interval should be reduced to ensure flight safety.
主旋翼轴承、横轴和横轴螺丝属于飞行消耗品, 建议每20趟定期检查以及更换, 主轴旋转飞速时, 请缩短定期检查趟数, 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

-  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)

Linkage ball A (M3x6)
球头(Ø4.75x14.5mm)

Elevator Ball Link
升降臂连杆头

Linkage rod (F)
连杆 F (M2.5x49.5mm)

Socket Screw
内六角螺丝
M3x16mm

Main Shaft
主轴
Ø10x193mm

Washer
垫片

Hole Outward
孔朝外

WD 40

T43

T43

Right-hand
顺时针旋转

Left-hand
逆时针旋转

Linkage Rod (F)
Approx. 65.5mmx2
连杆 (F)约65.5mmx2

49.5mm

26.5mm

Plane down
平面朝下

Plane outside
平面朝外

M2x8mm

M2x5mm

CAUTION
注意

Linkage ball A (M3x6)
球头(Ø4.75x14.5mm)x2

Socket Screw
内六角螺丝(M3x16mm)x2

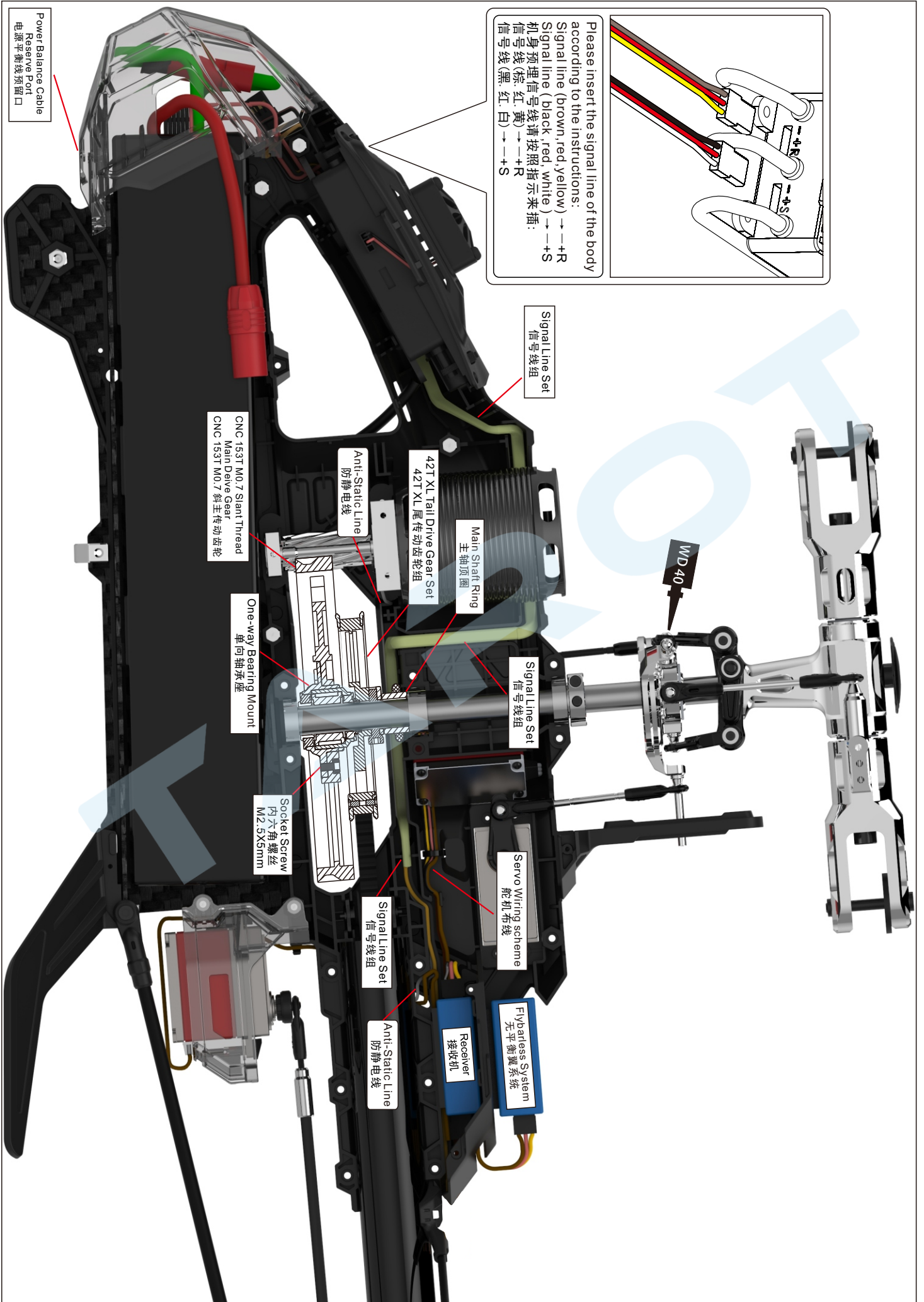
Elevator Ball Link
升降臂连杆头x4

Linkage rod (F)
连杆 F (M2.5x49.5mm) x2

CAUTION
注意

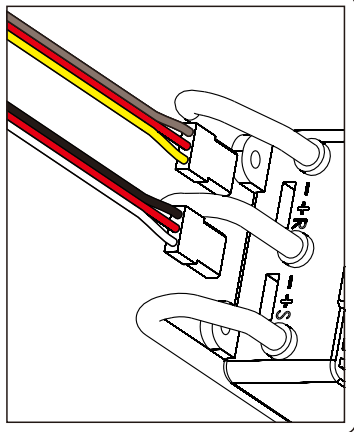
For original manufactory package, if the product is already assembled by factory, please check again if screws are firmly secured and applied with some glue.
原装零件出厂包装如果组装完毕, 请需再确认各螺丝是否锁紧上胶。

1. Main rotor head and main shaft washer are wear items ; it is recommended to inspect after every 20 flights and replace as necessary. For high head speed flight, the inspection interval should be reduced to ensure flight safety.
2. Make sure to check and change the parts if any failure due to normal deterioration or mechanical wear to prevent expected danger during high head speed flight.
1. 旋翼头组及主轴属于飞行消耗品, 建议每 20 趟定期检查及更换, 请缩短定期检查之趟数, 以确保飞行安全。
2. 若发生人为组装不当或者零件损毁造成模型商品摔机时, 请务必仔细检查损坏的部件且强烈推荐将其更换, 避免主旋翼告诉飞行时发生无法预期的意外。



Power Balance Cable
Reserve Port
电源平衡线预留口

Please insert the signal line of the body according to the instructions:
Signal line (brown, red, yellow) → --+R
Signal line (black, red, white) → --+S
机身预埋信号线请按照指示来插:
信号线(棕,红,黄) → --+R
信号线(黑,红,白) → --+S



Signal Line Set
信号线组

CNC 153T M0.7 Slant Thread
Main Drive Gear
CNC 153T M0.7 斜主传动齿轮

Anti-Static Line
防静电线

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

Main Shaft Ring
主轴顶圈

Signal Line Set
信号线组

One-way Bearing Mount
单向轴承座

Socket Screw
内六角螺丝
M2.5X5mm

Signal Line Set
信号线组

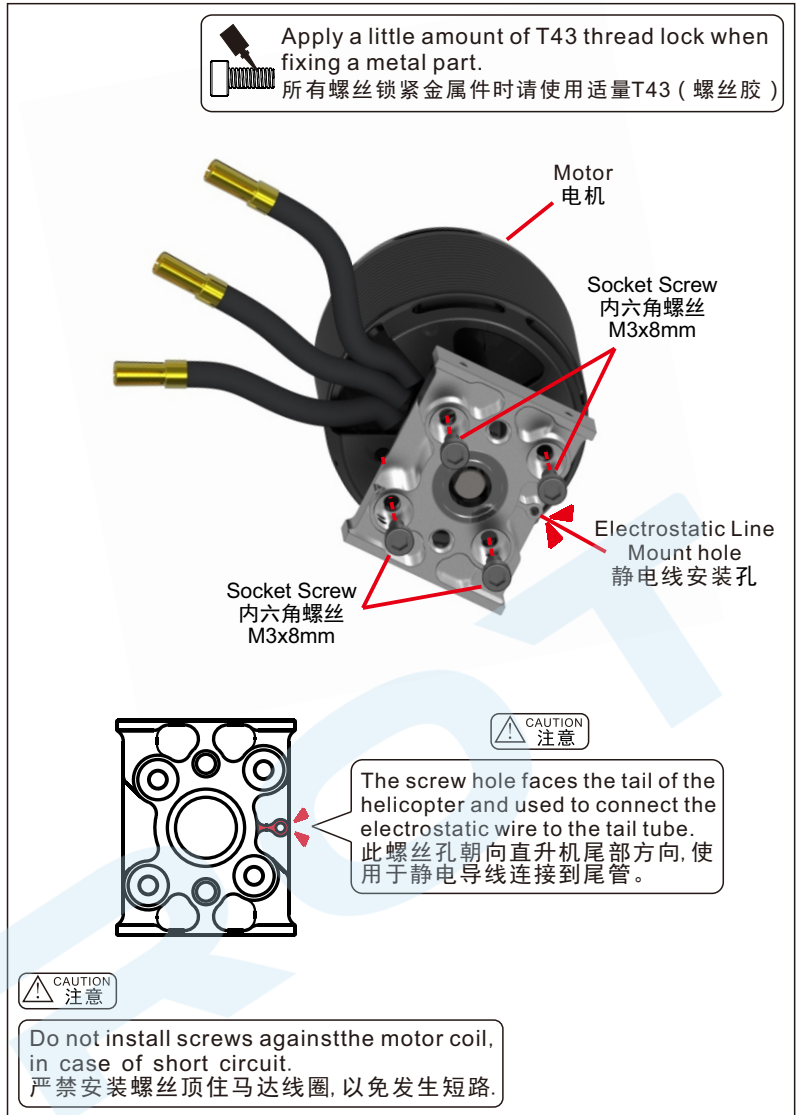
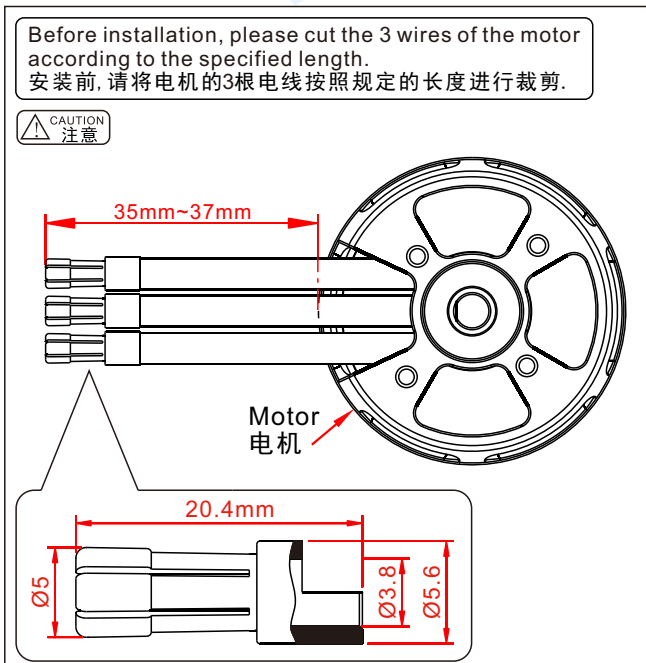
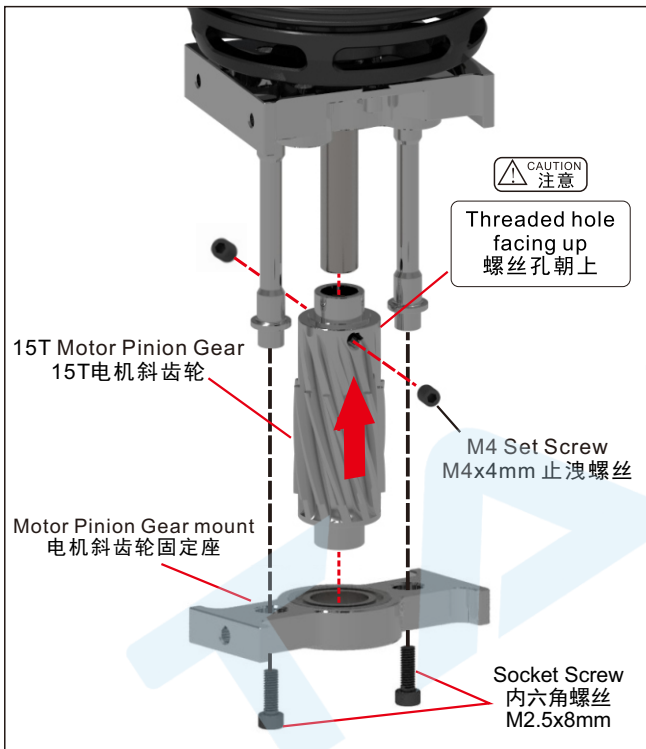
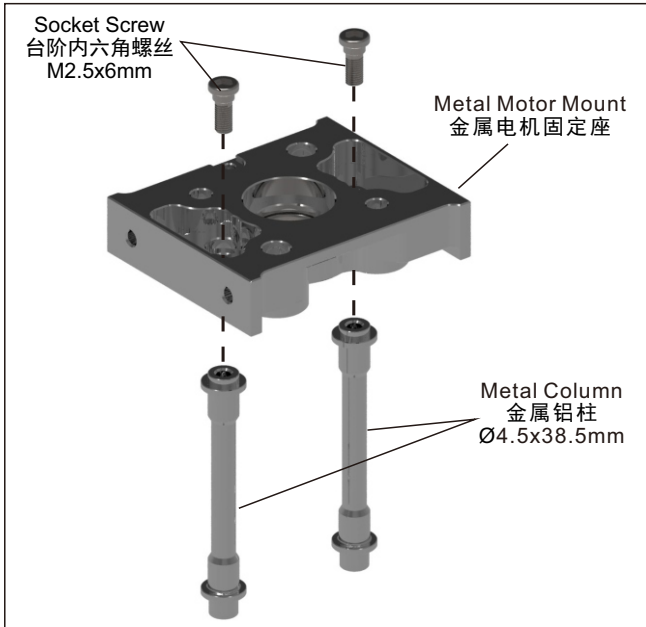
Servo Wiring scheme
舵机布线

Anti-Static Line
防静电线

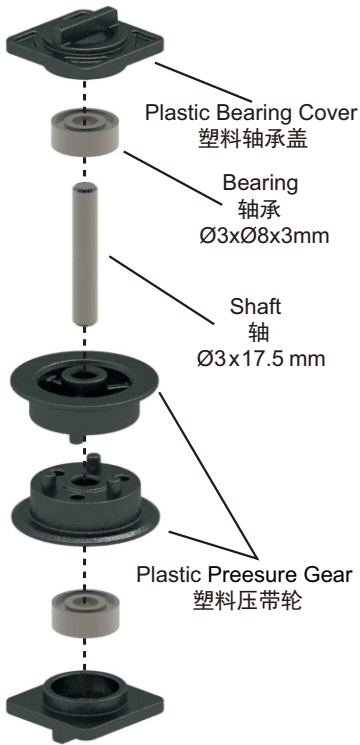
Receiver
接收机

Flybarless System
无平衡翼系统

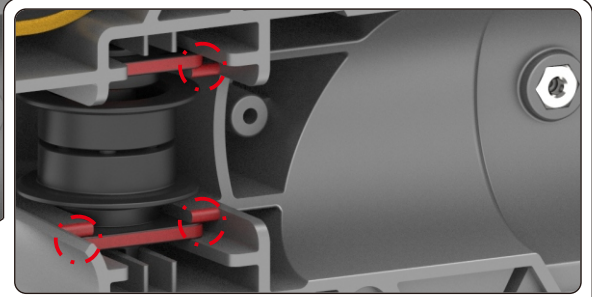
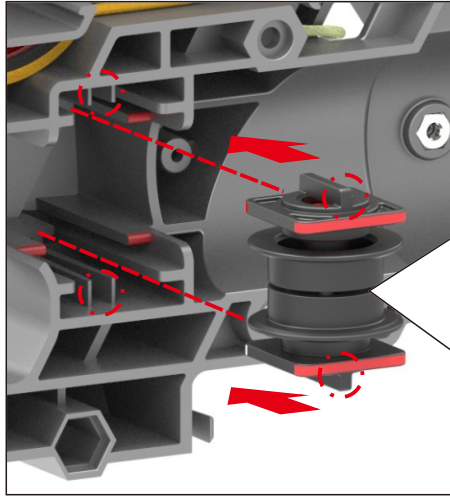
WD40



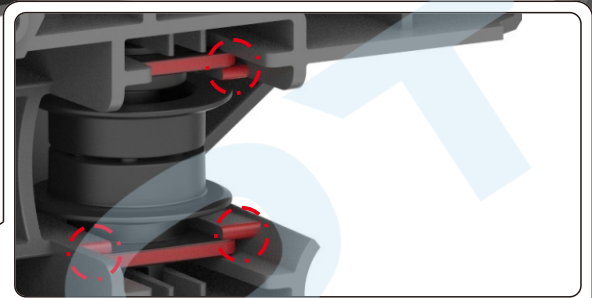
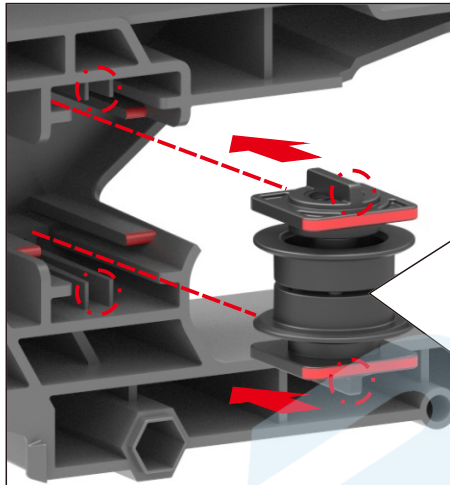
Pressure Gear Set Install
压带轮组装配



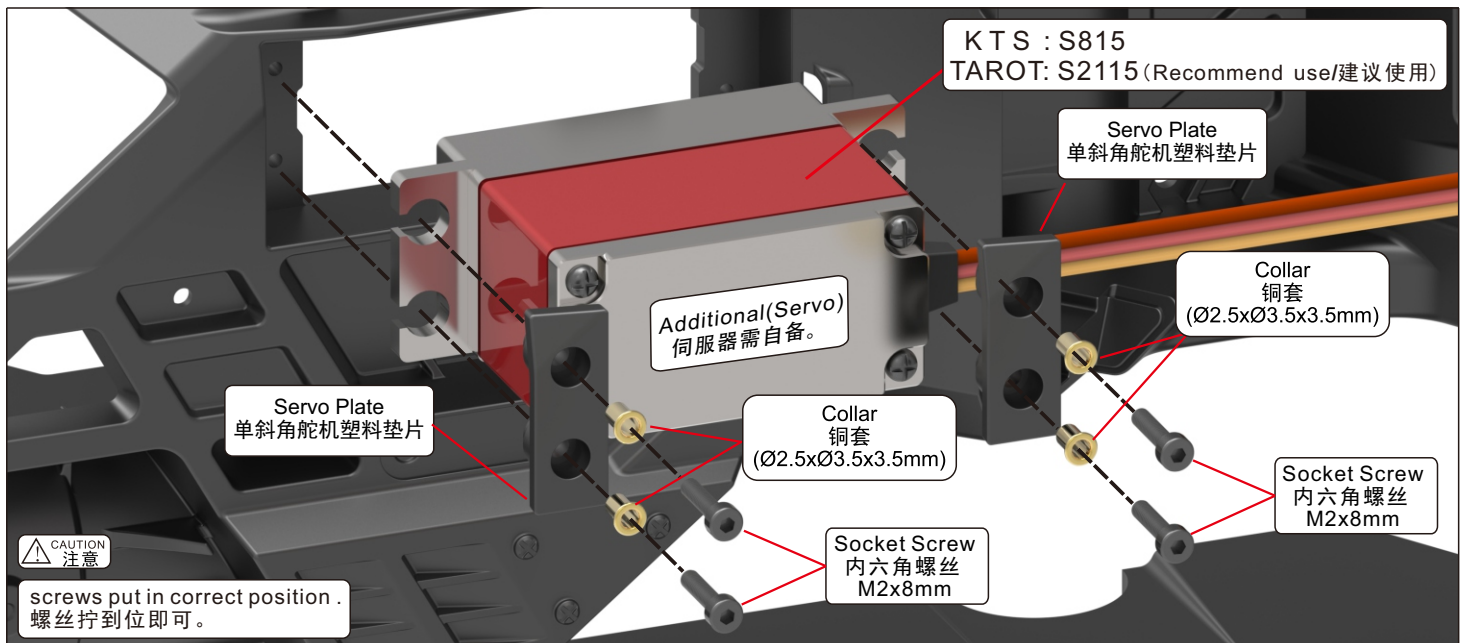
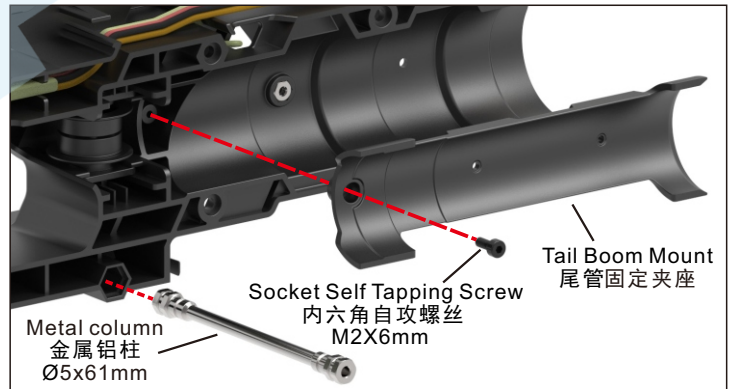
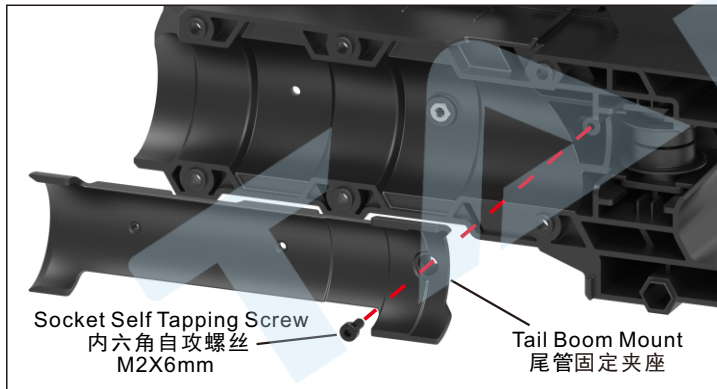
X2

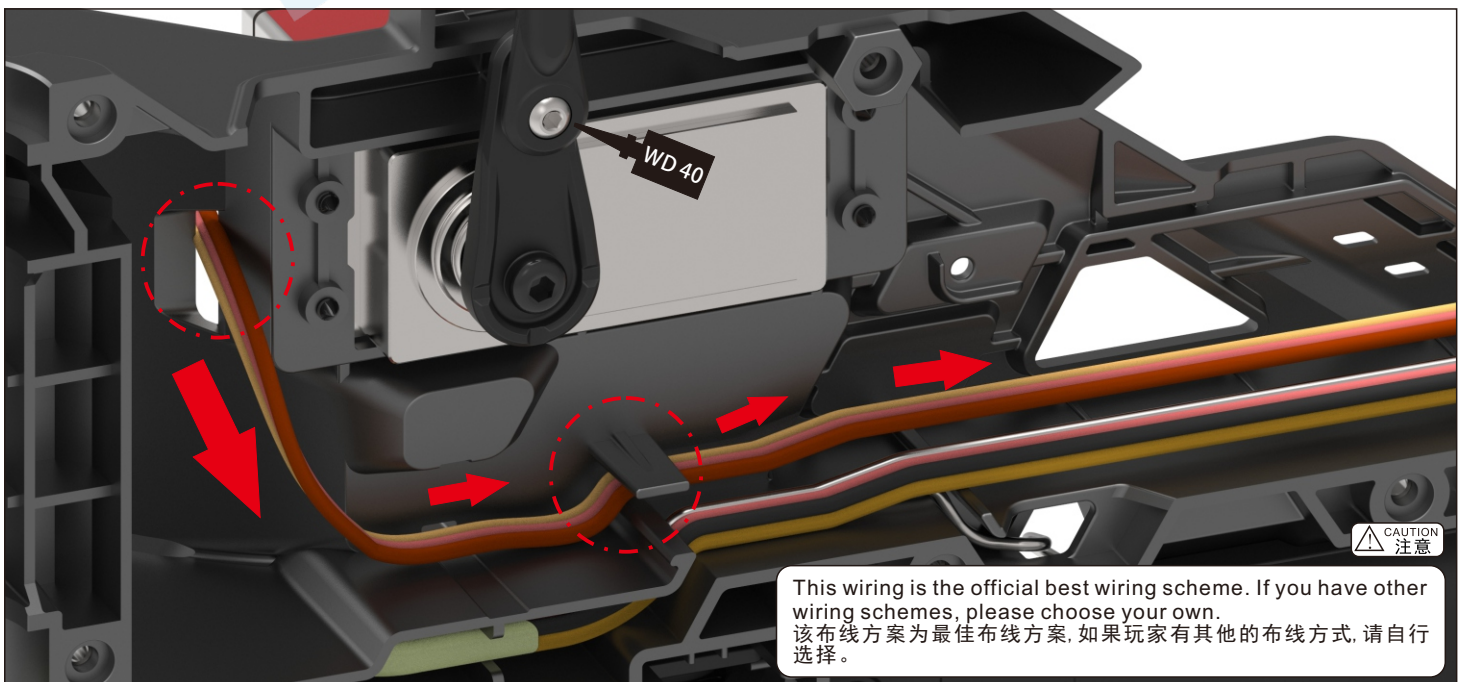
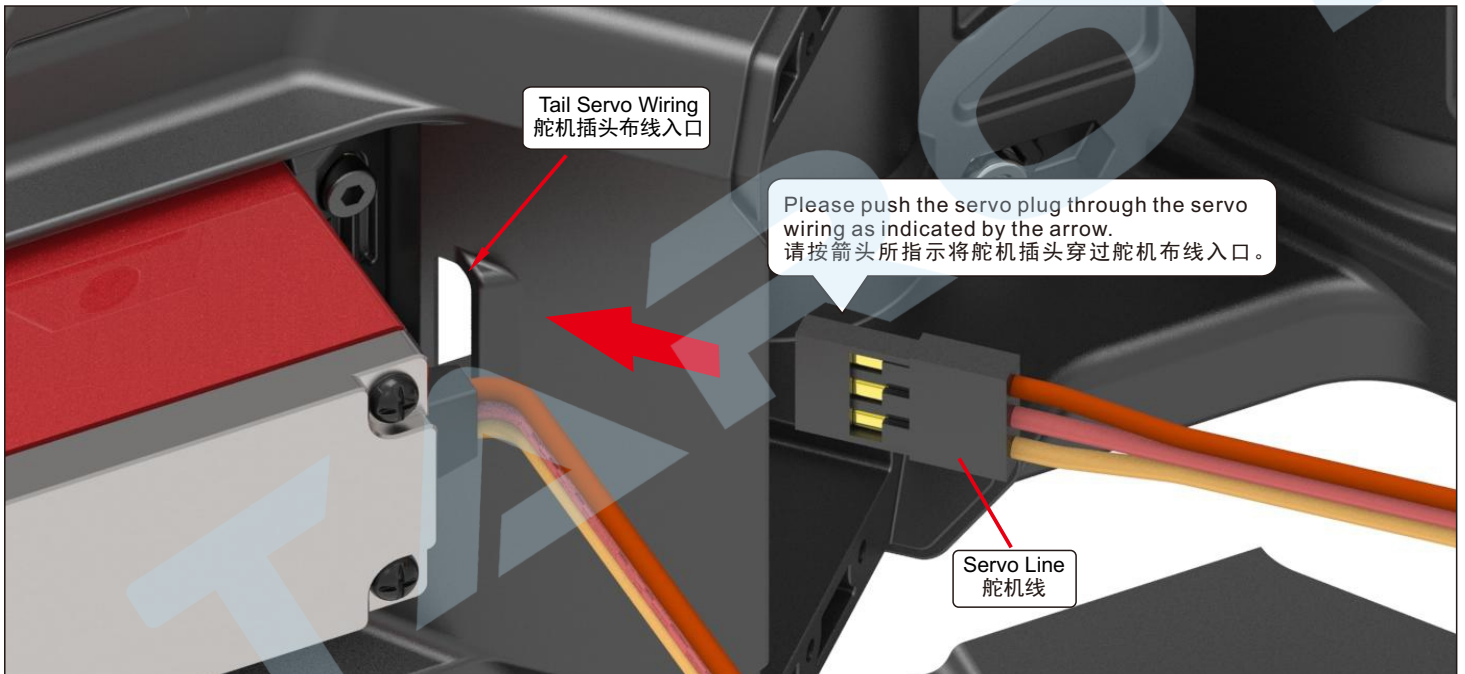
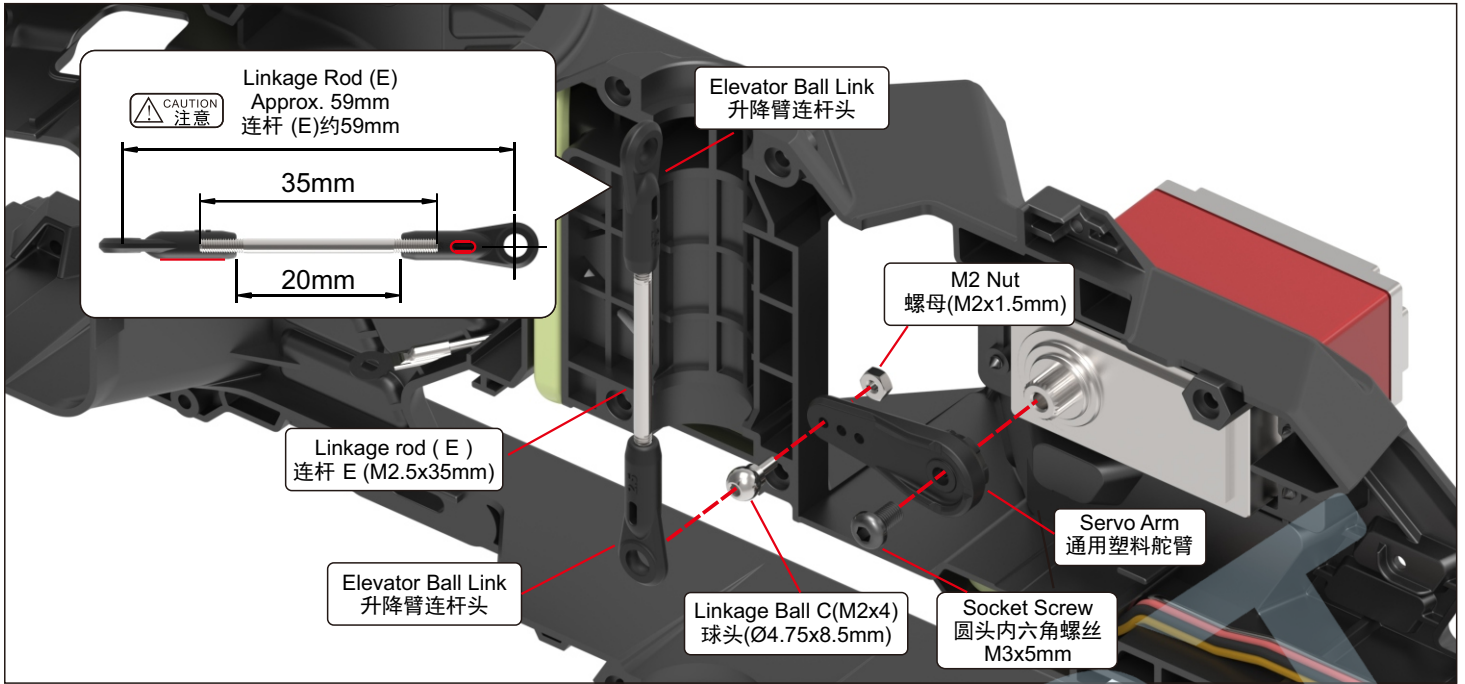


Please keep it level about the red indicating surface of the pressure gear and plastic body; To ensure that the pressure gear correct assembled.
注意：压带轮组装入塑料机身时压带轮组的红色示意面和塑料机身上的红色示意面要保持平，以保证压带轮组装配到位。

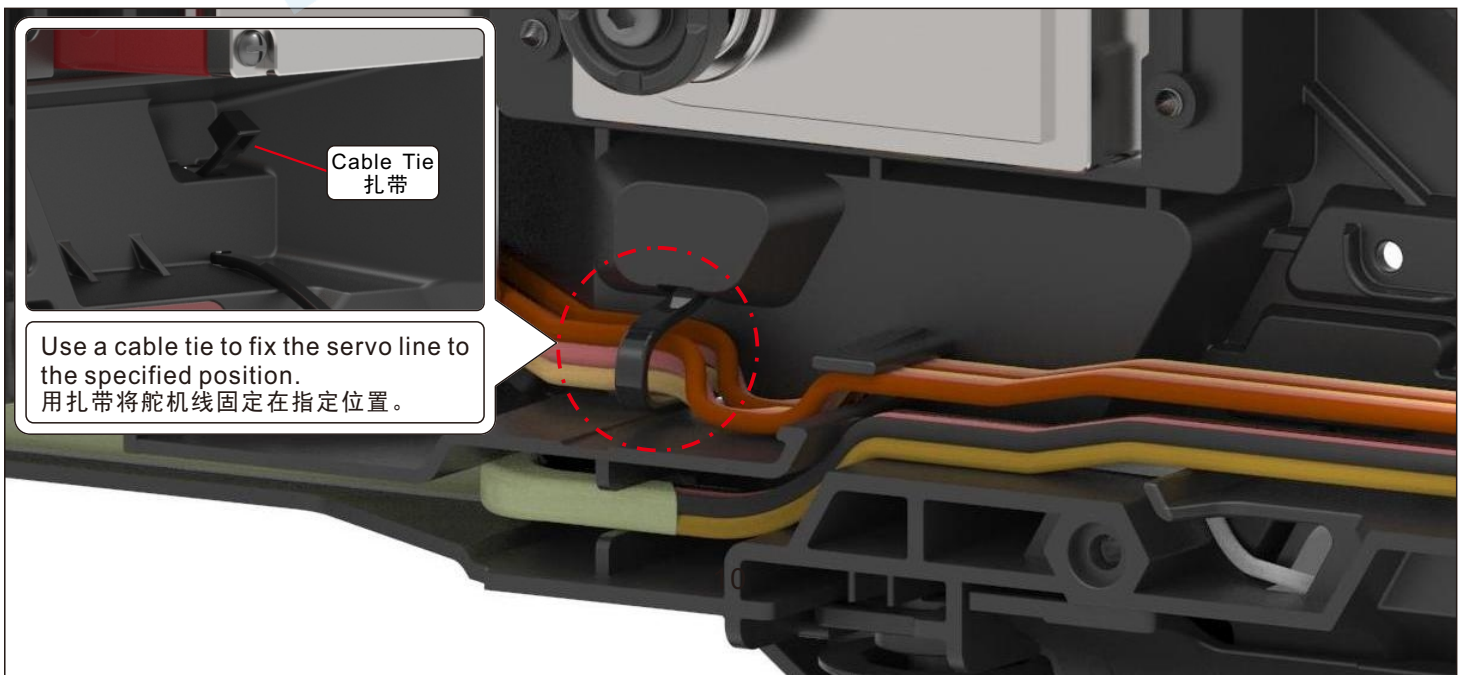
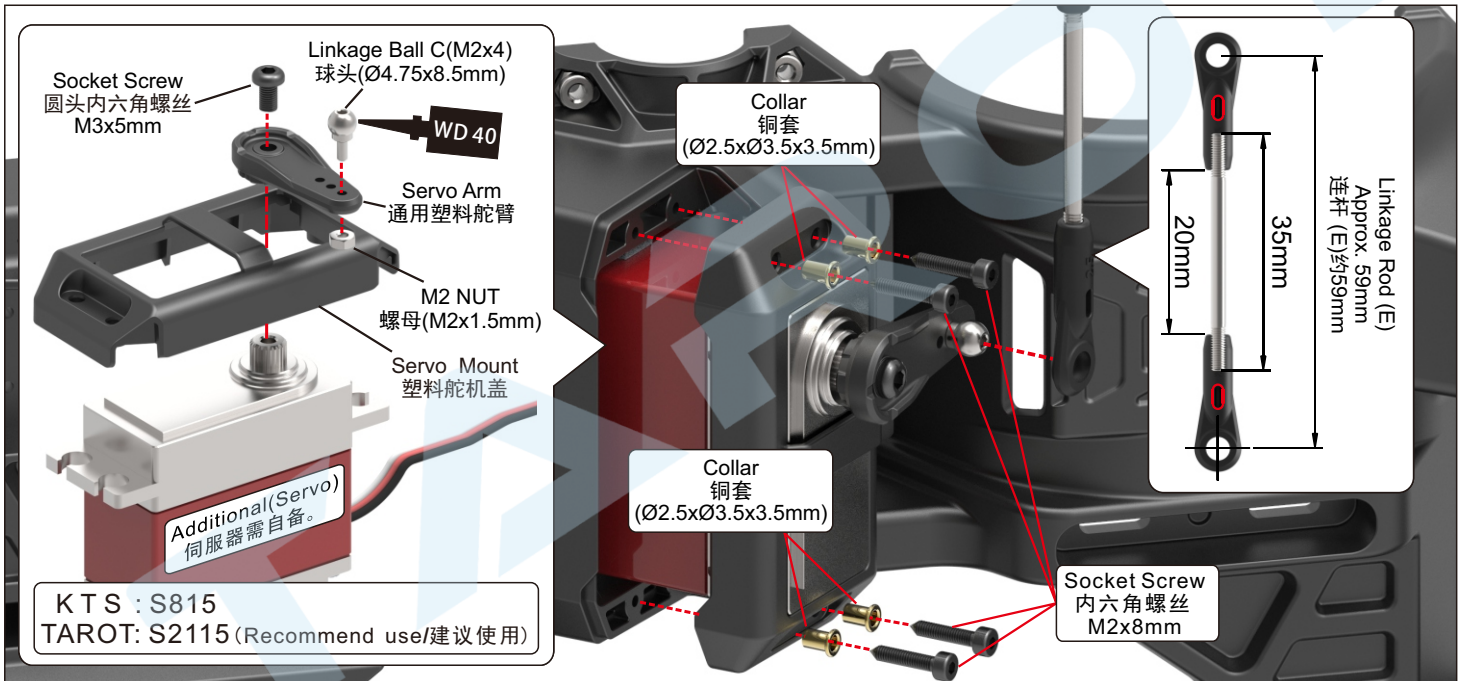
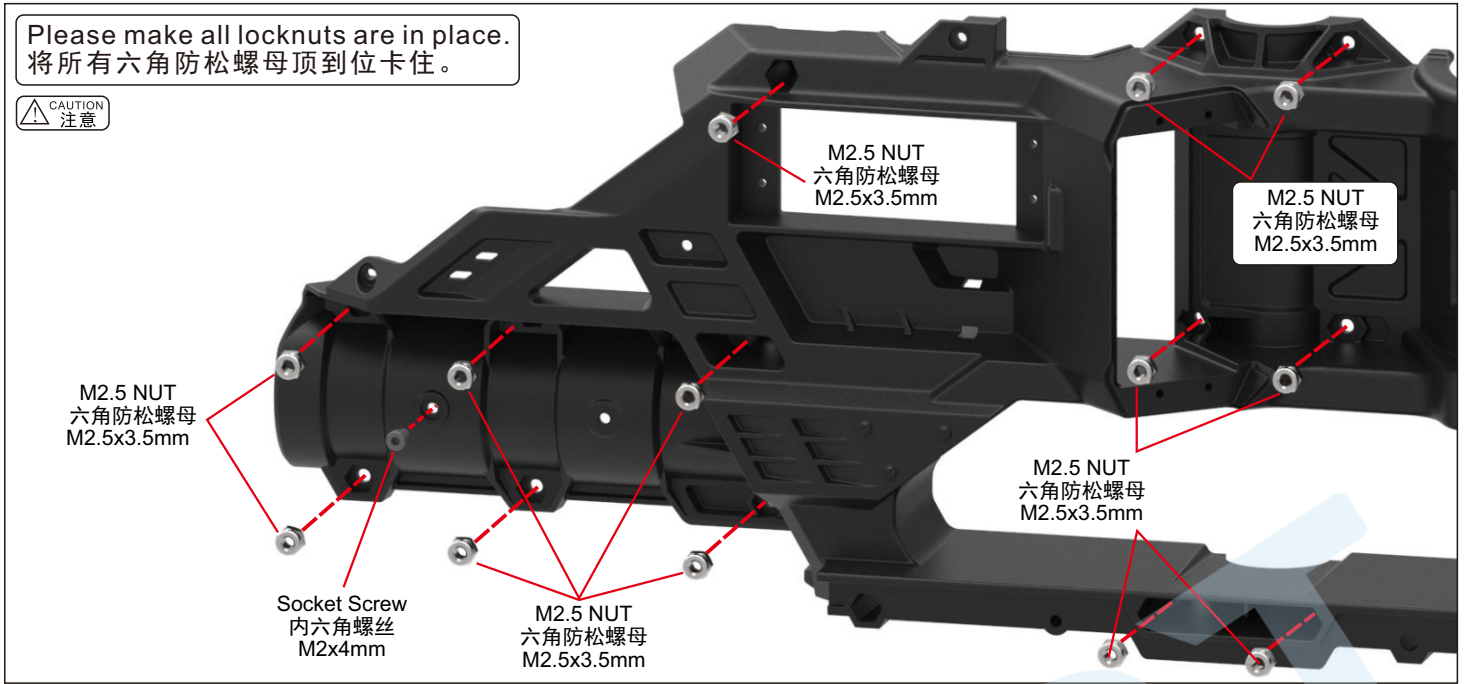


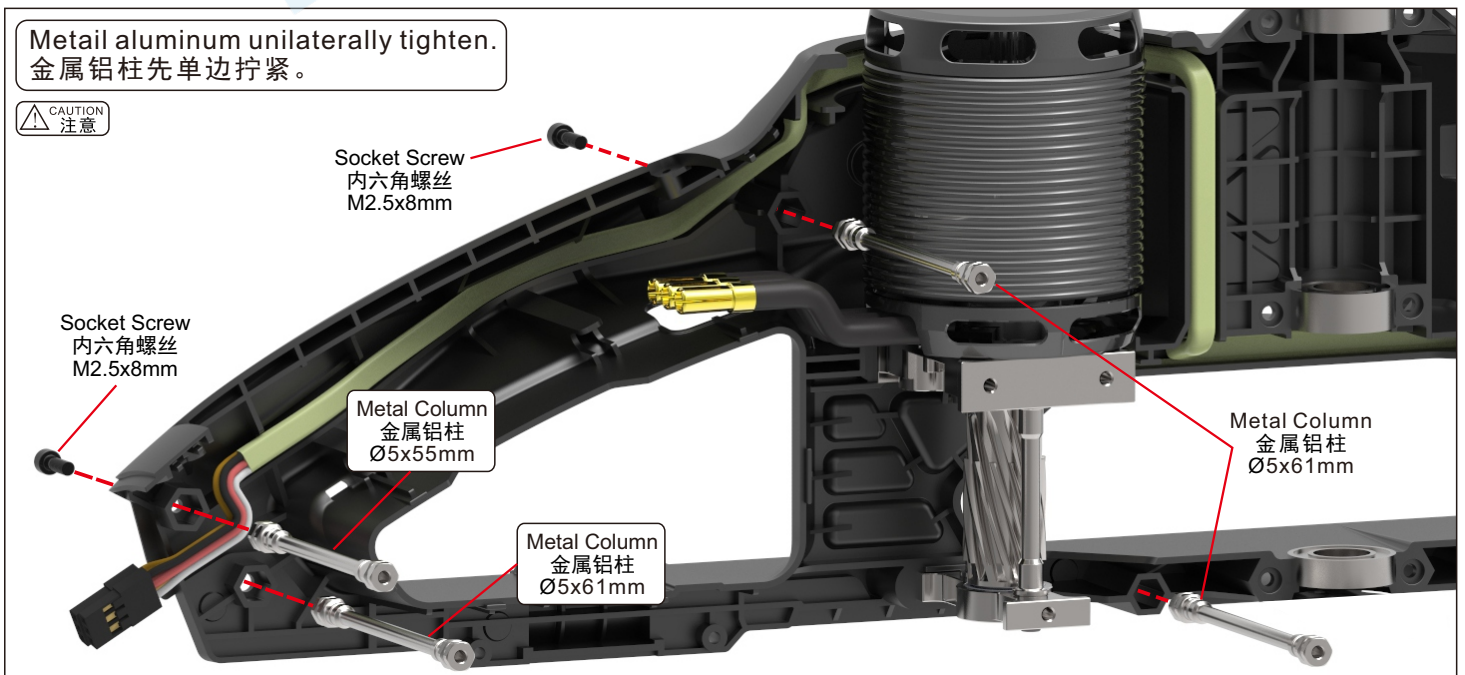
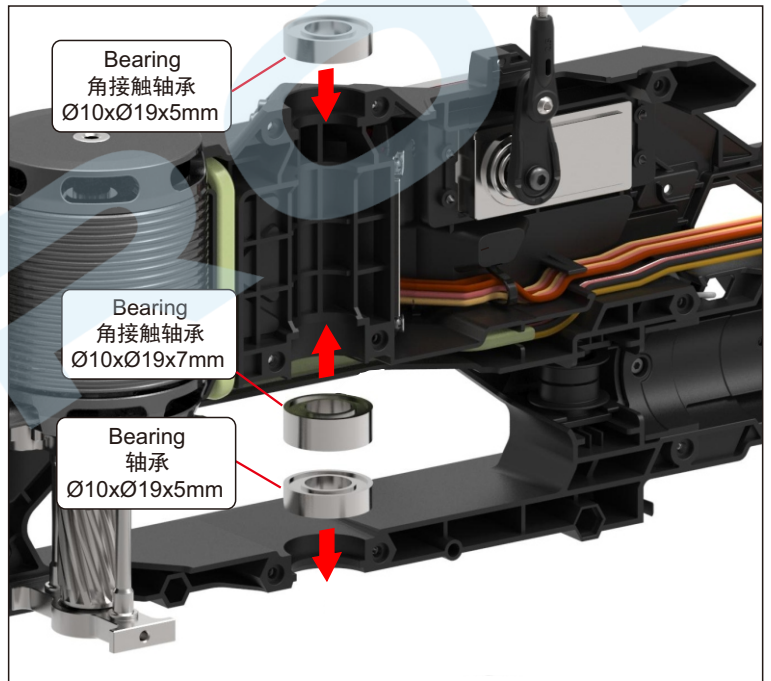
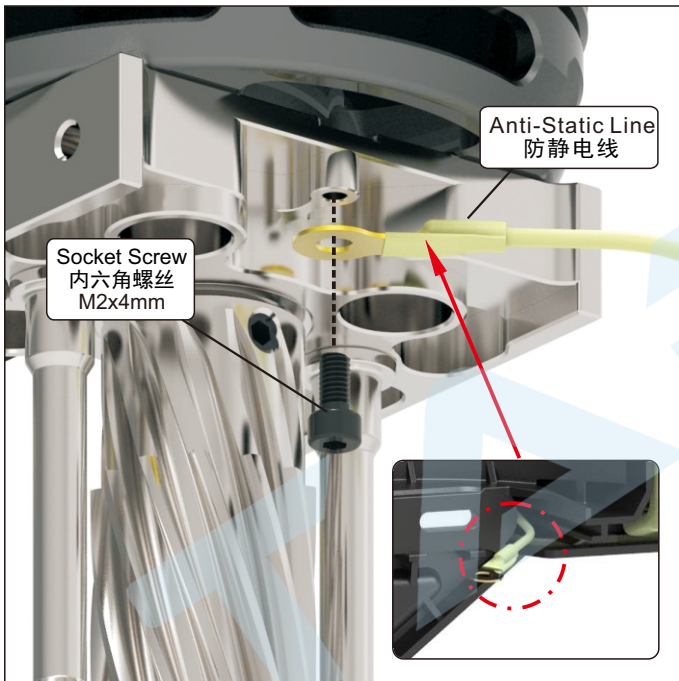
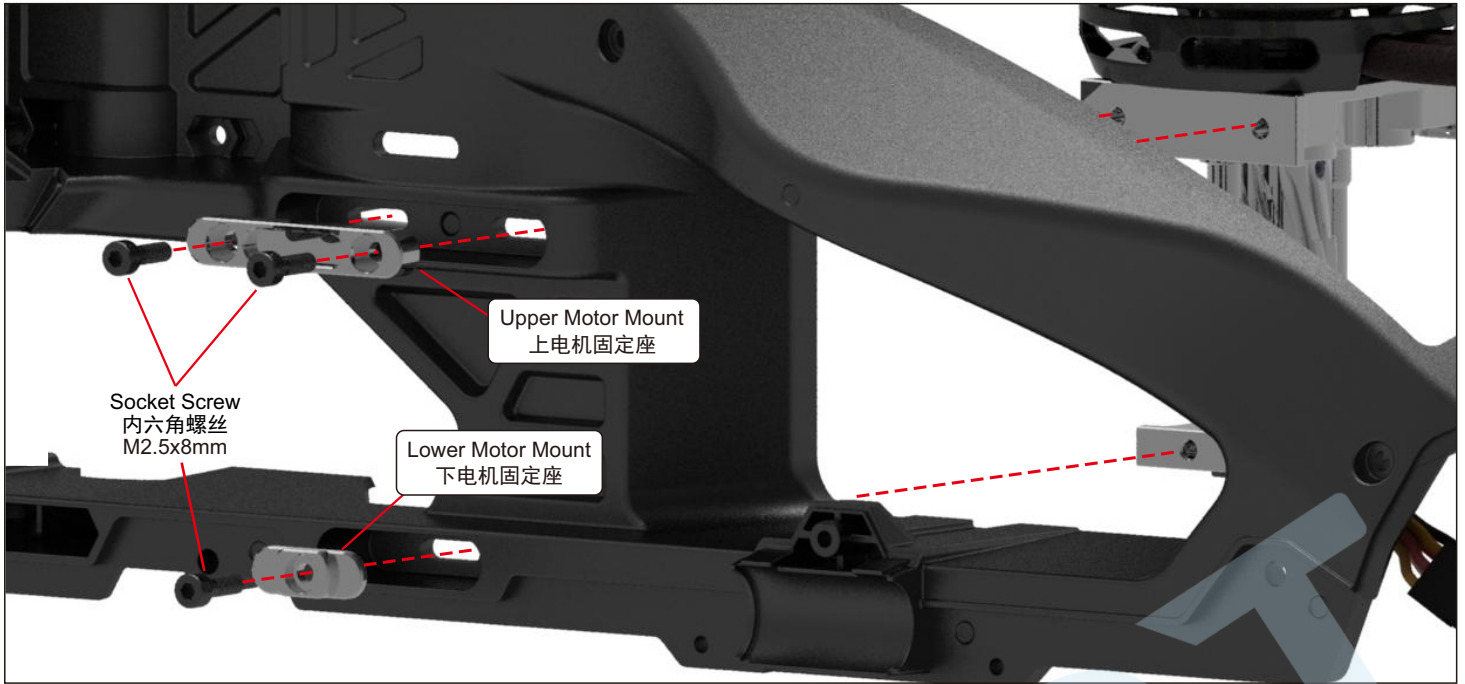
Please keep it level about the red indicating surface of the pressure gear and plastic body; To ensure that the pressure gear correct assembled.
注意：压带轮组装入塑料机身时压带轮组的红色示意面和塑料机身上的红色示意面要保持平，以保证压带轮组装配到位。

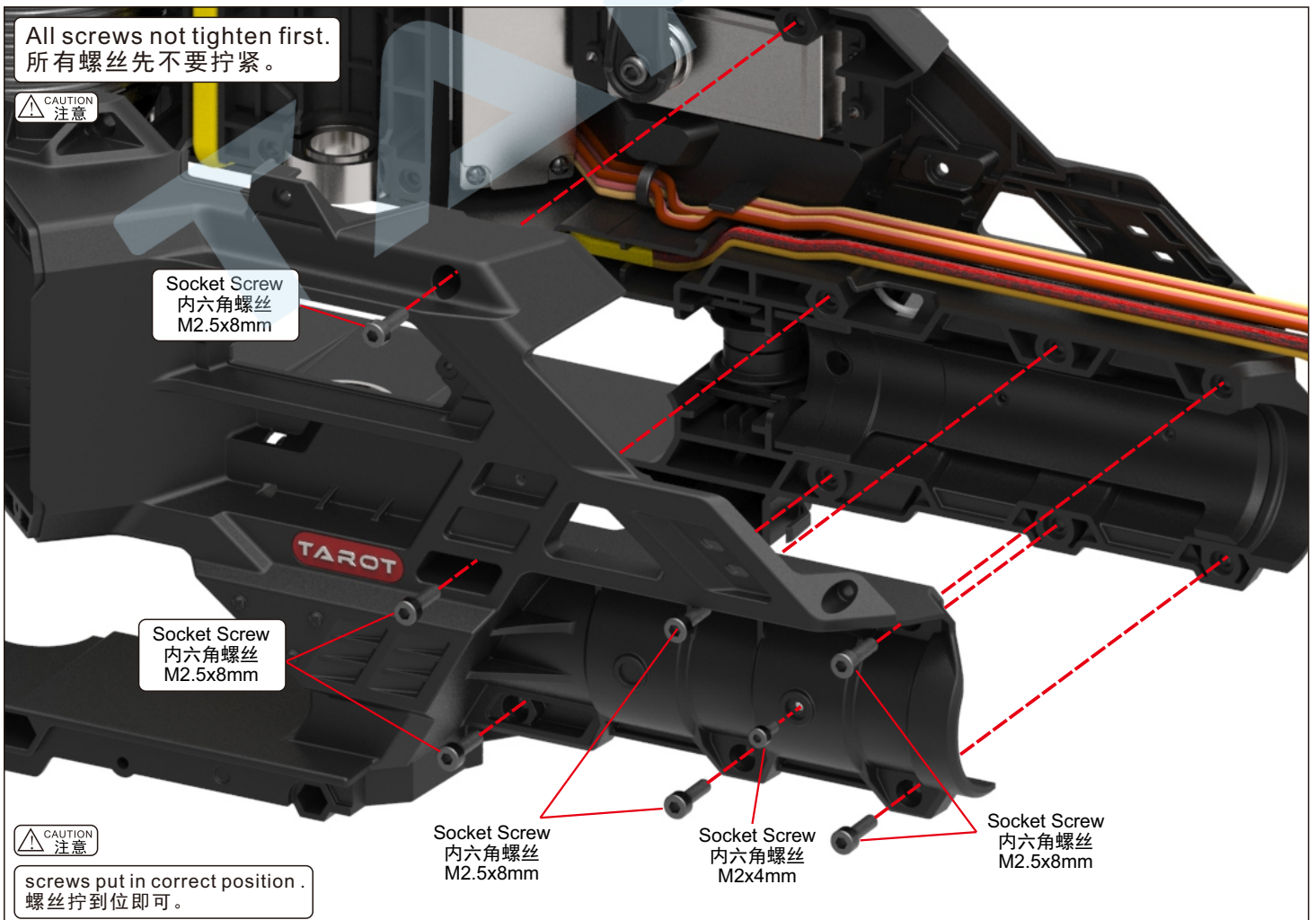
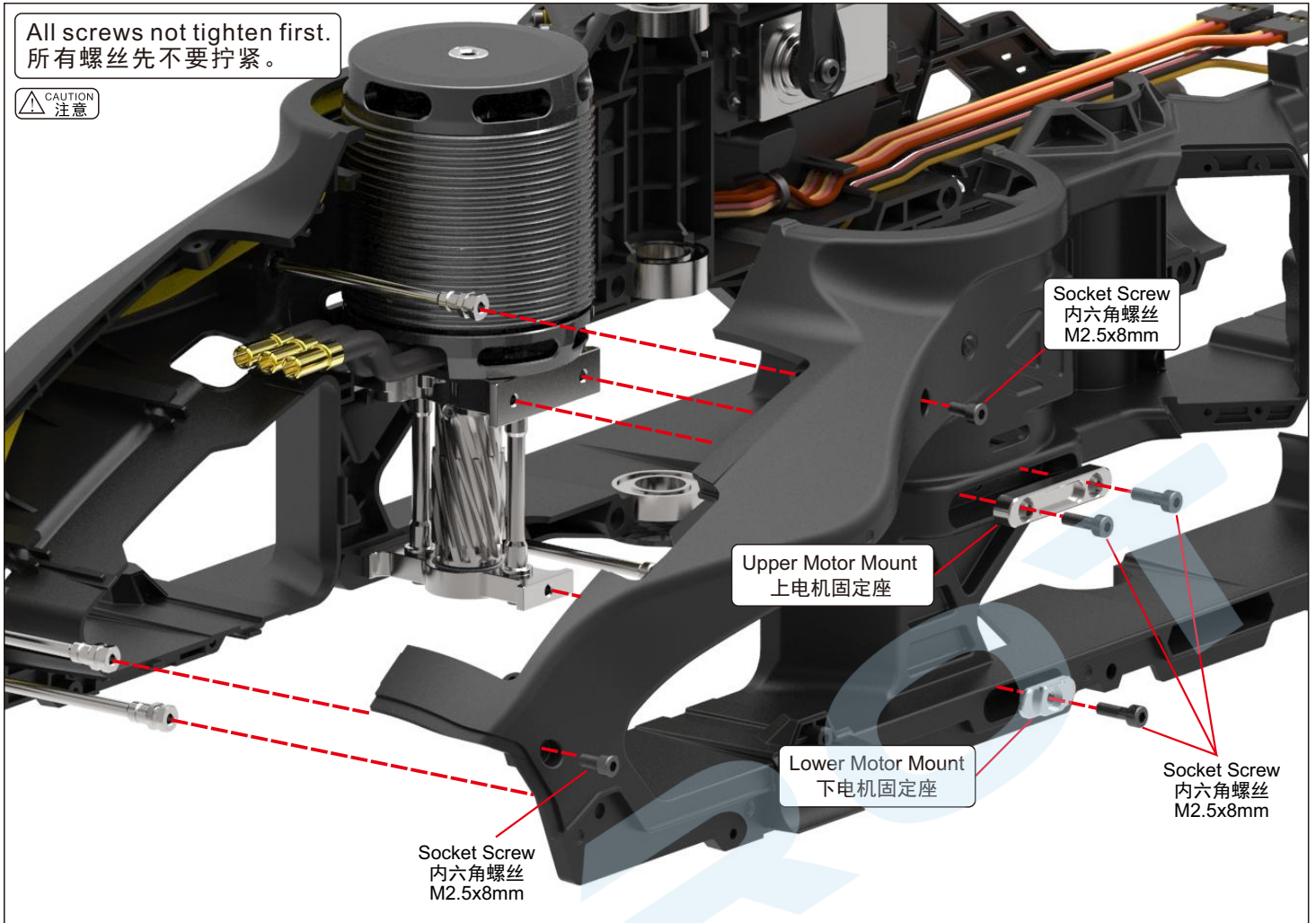




Please make all locknuts are in place.
将所有六角防松螺母顶到位卡住。





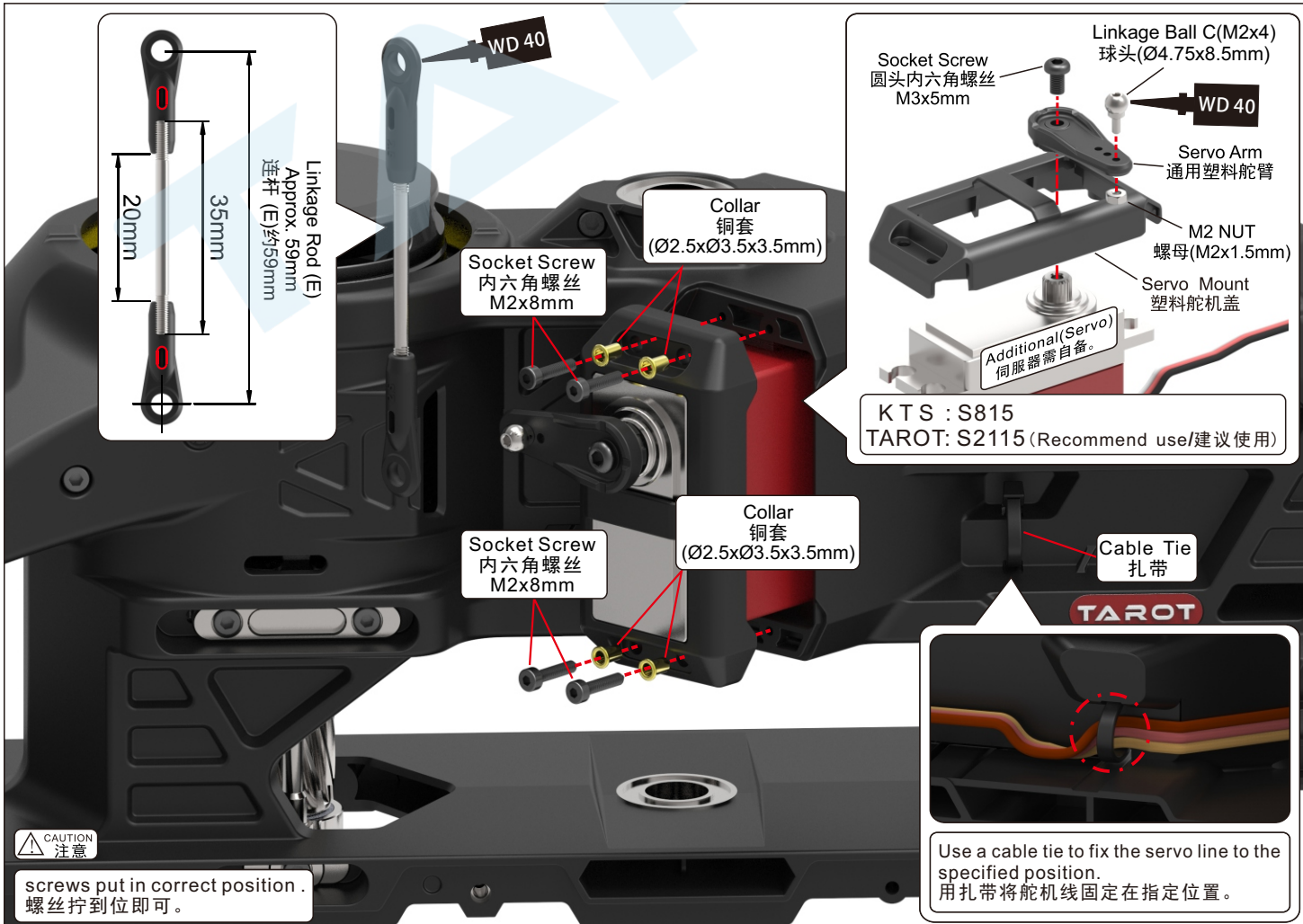
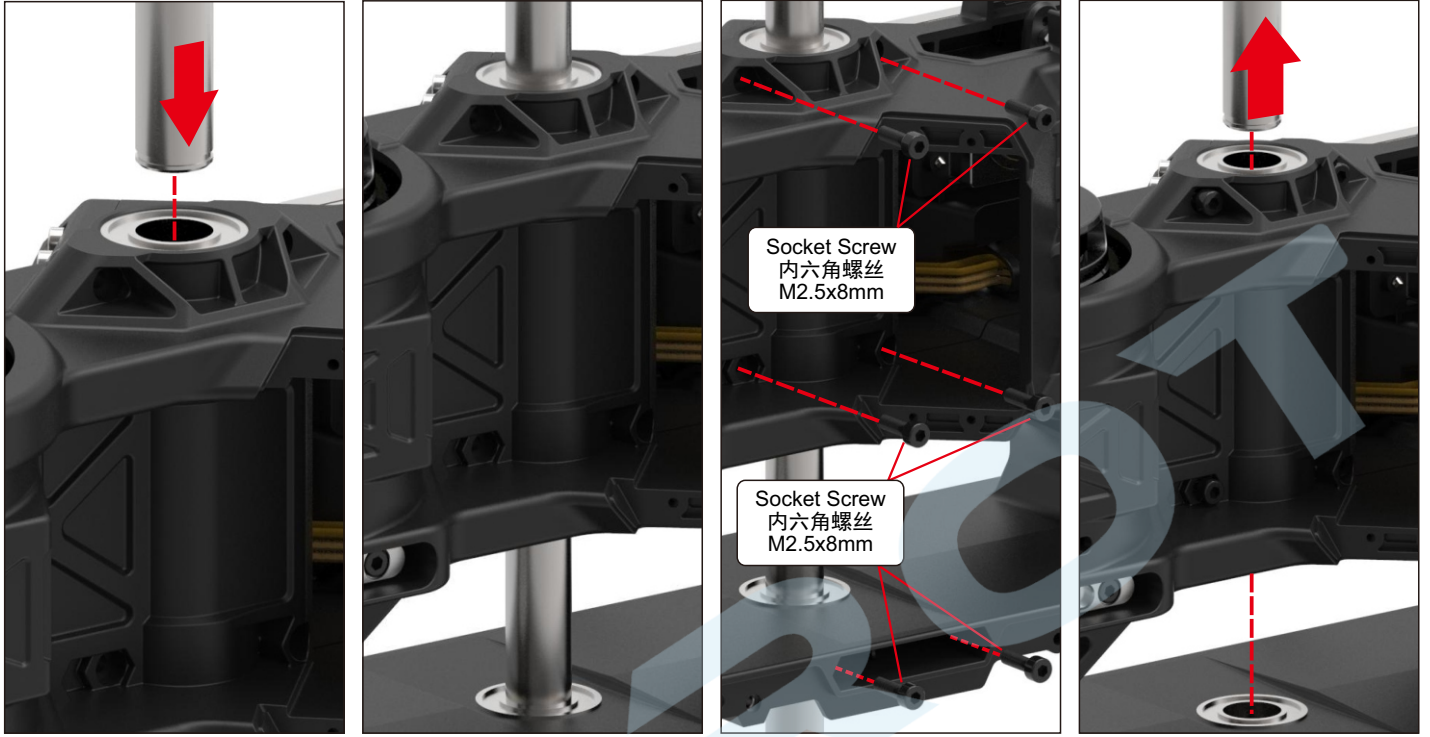


Screw mounting around the bearing:

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.

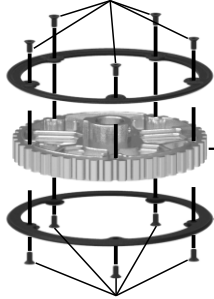
轴承周边的螺丝安装:

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

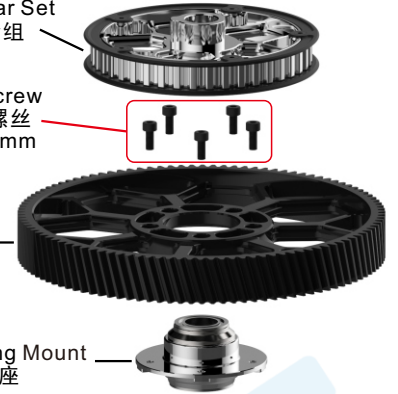
Apply a little amount of T43 thread lock when fixing a metal part.
所有螺丝锁紧金属件时请使用适量T43 (螺丝胶)

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

Socket Screw
内六角螺丝
M2.5X5mm

CNC 153T M0.7 Slant Thread
Main Drive Gear
CNC 153T M0.7 斜主传动齿轮

One-way Bearing Mount
单向轴承座



Please put the belt into the body from the rear of the body.
请将皮带由机身后方穿入机身内。

Belt 638-XL
皮带638-XL

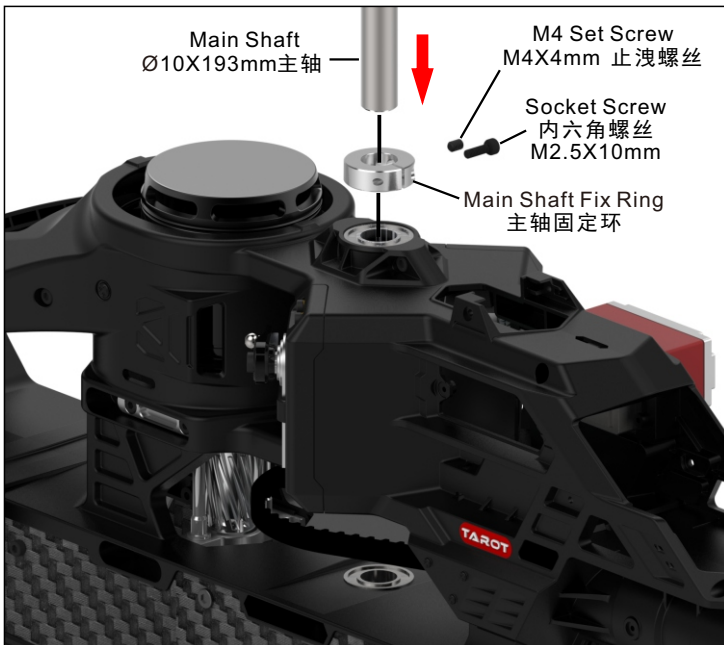


Main Shaft
Ø10X193mm 主轴

M4 Set Screw
M4X4mm 止洩螺丝

Socket Screw
内六角螺丝
M2.5X10mm

Main Shaft Fix Ring
主轴固定环

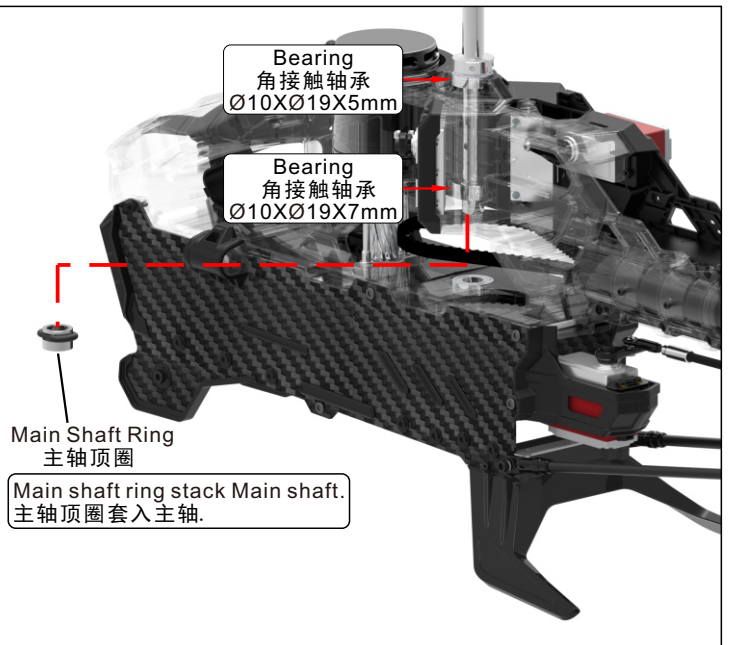


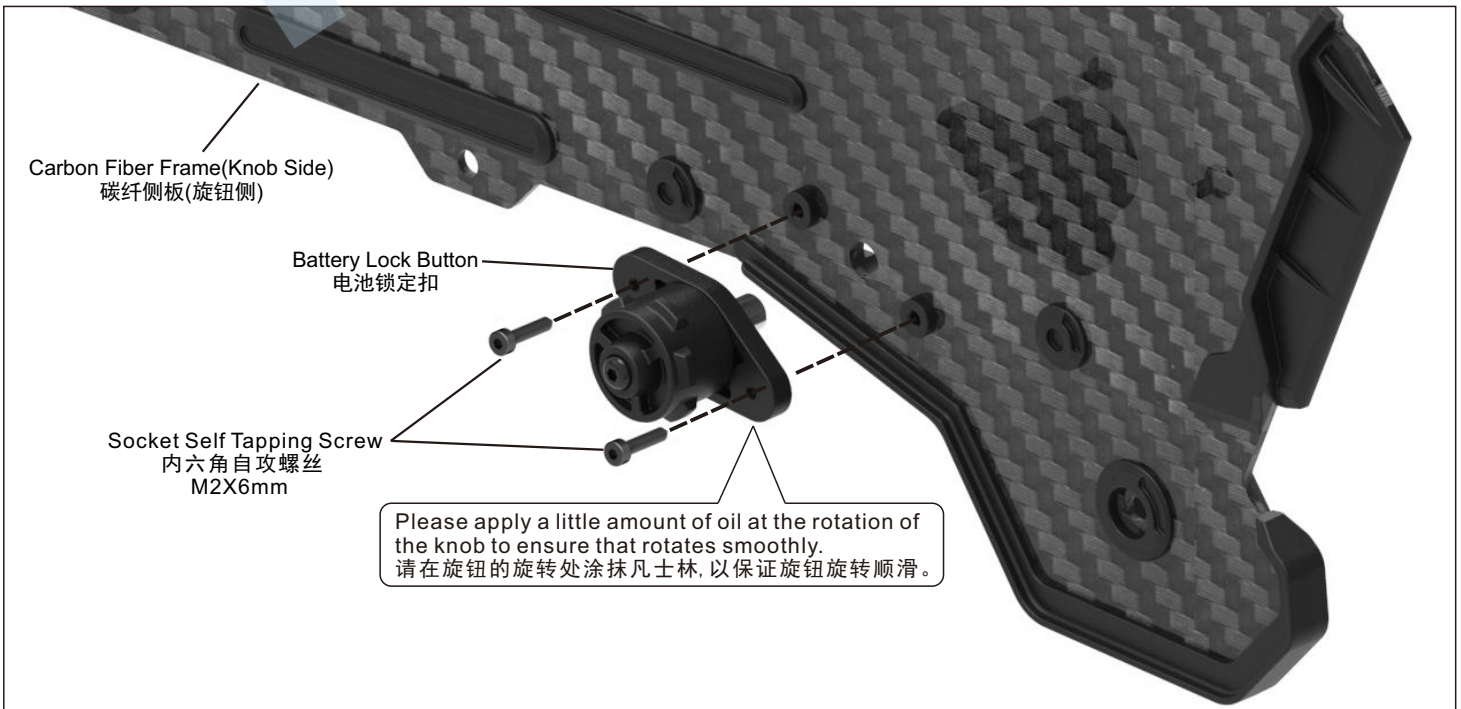
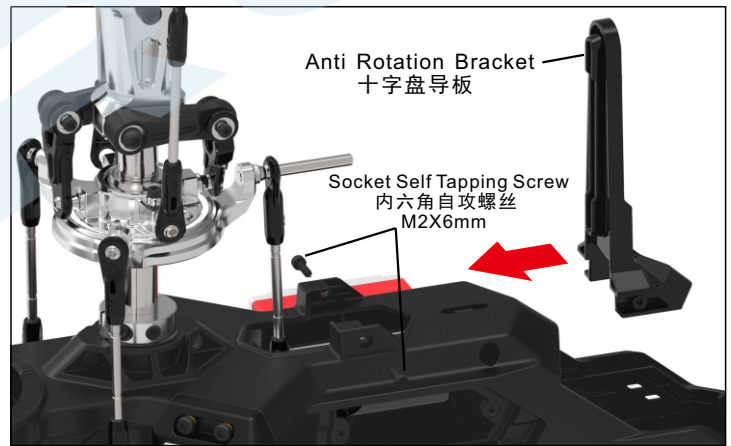
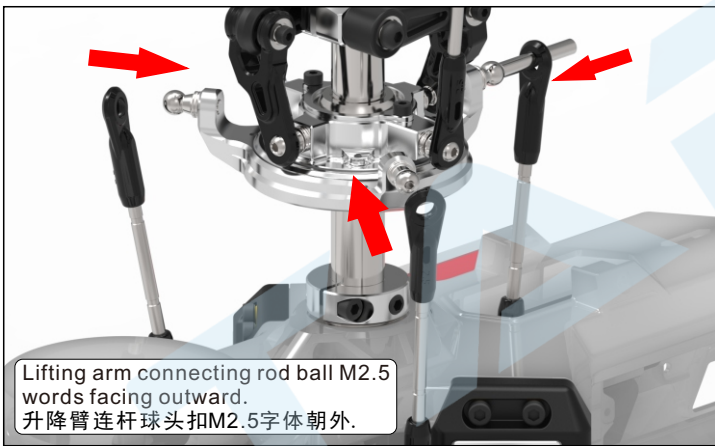
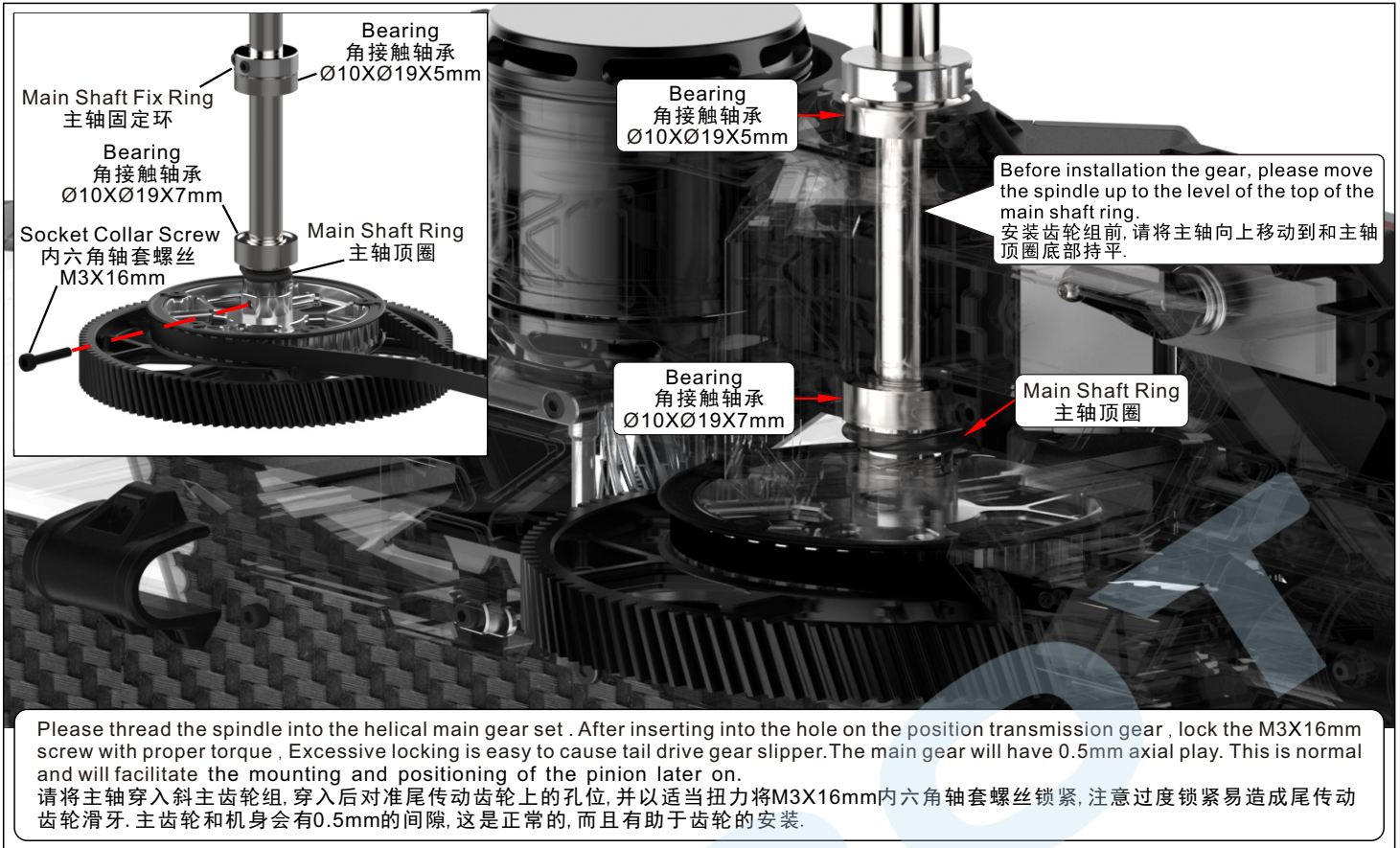
Bearing
角接触轴承
Ø10XØ19X5mm

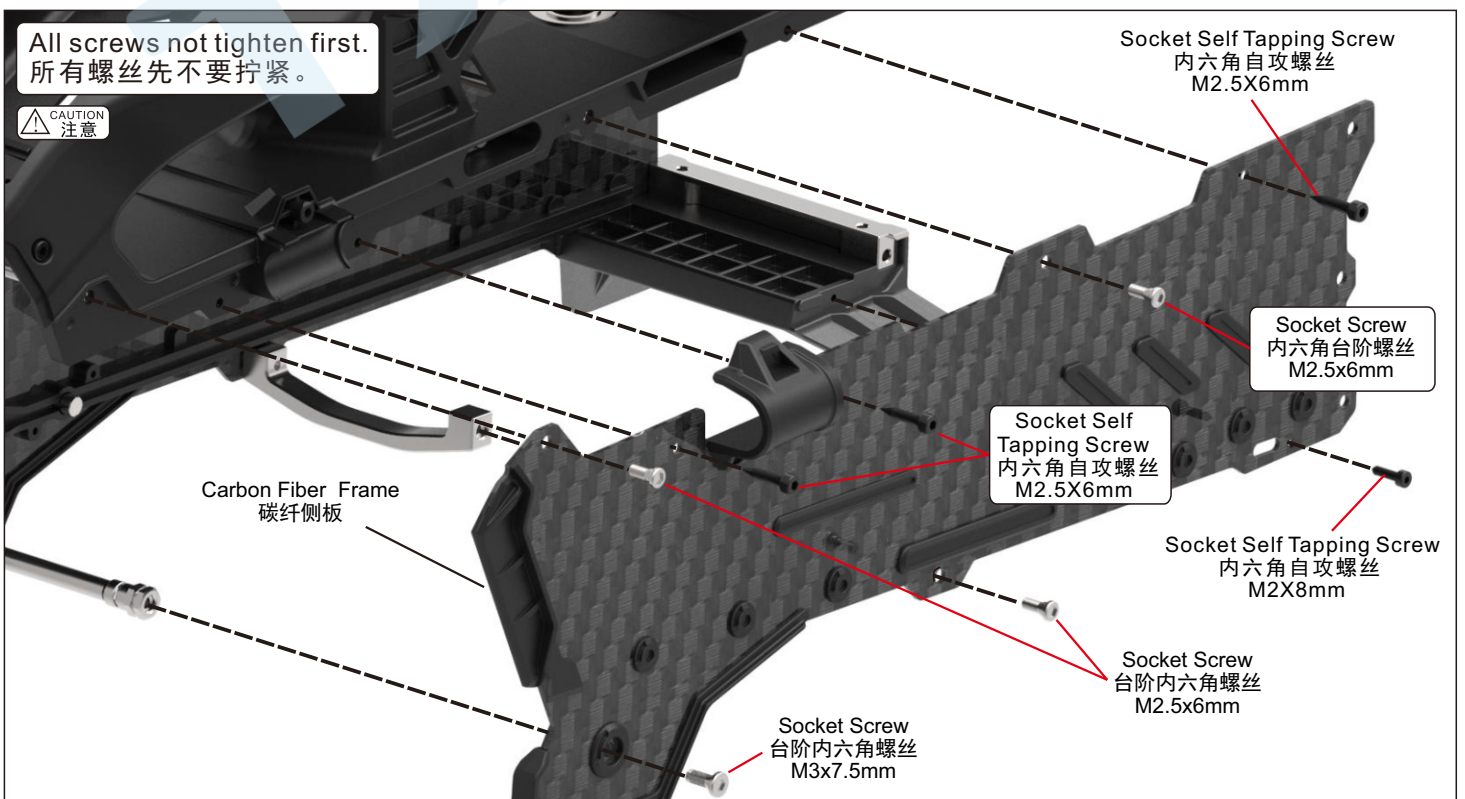
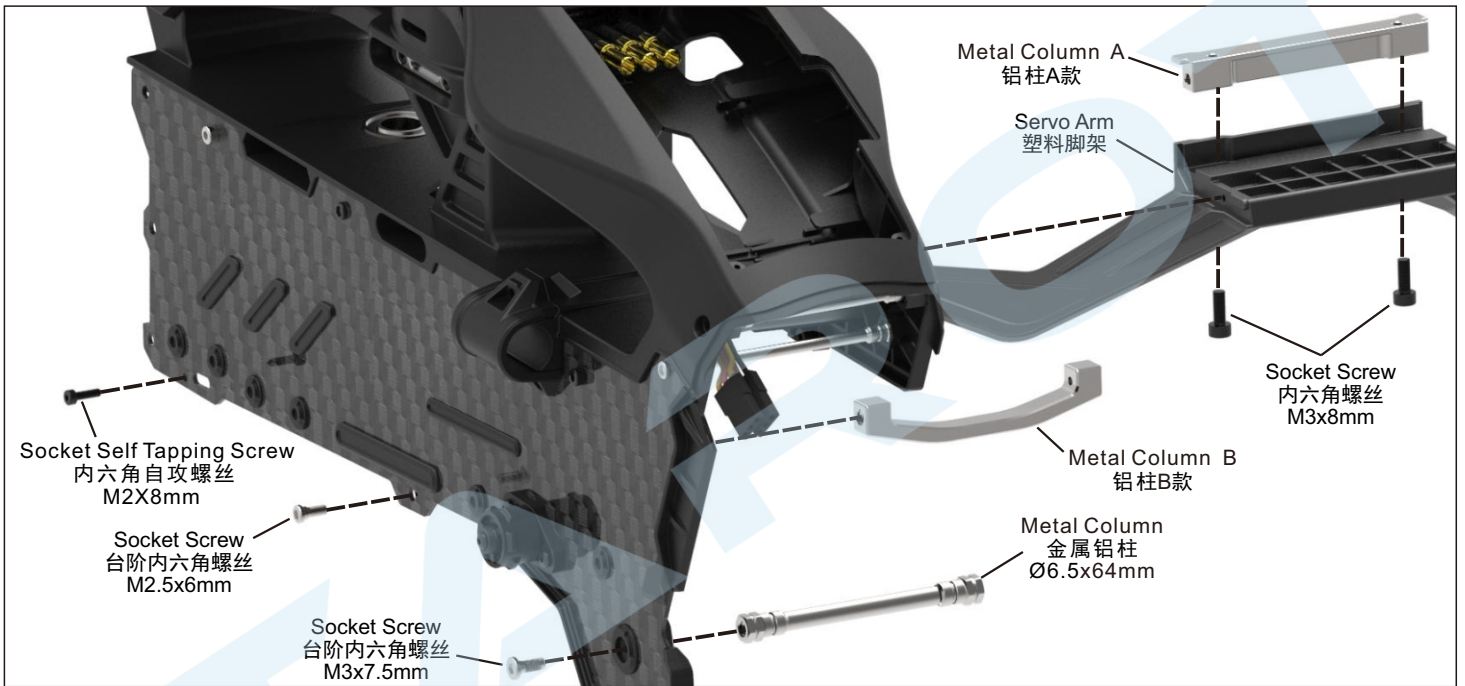
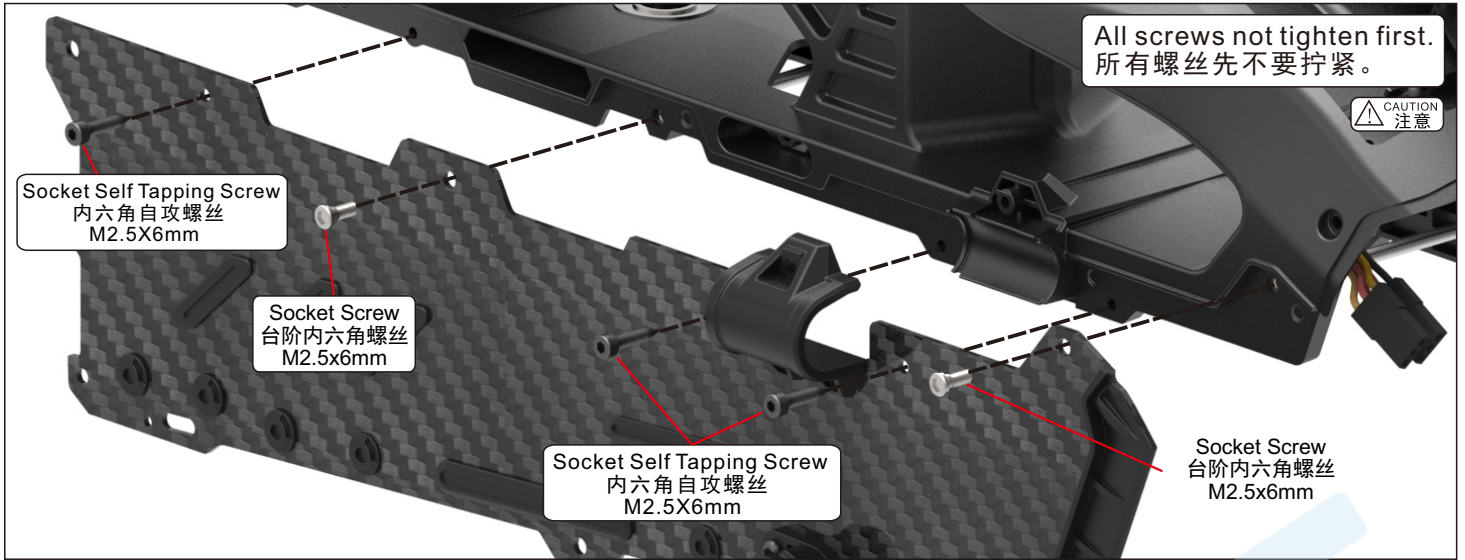
Bearing
角接触轴承
Ø10XØ19X7mm

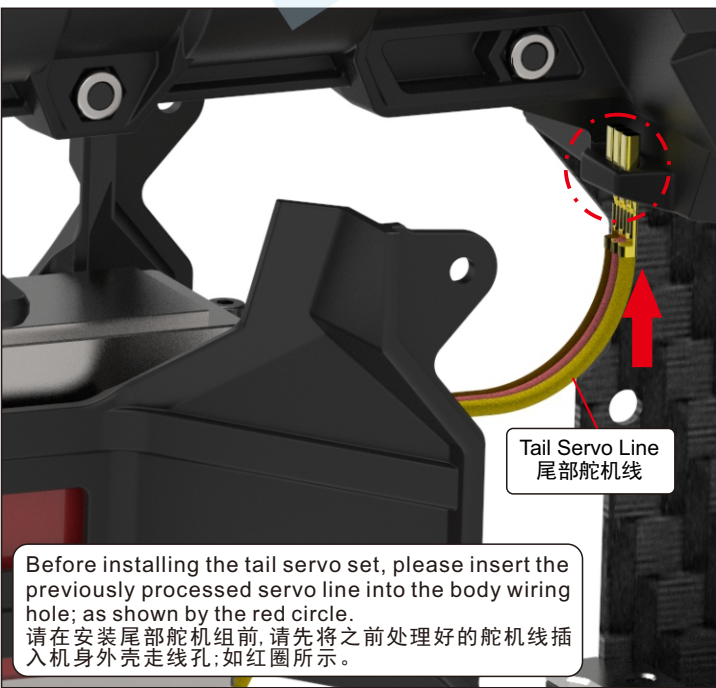
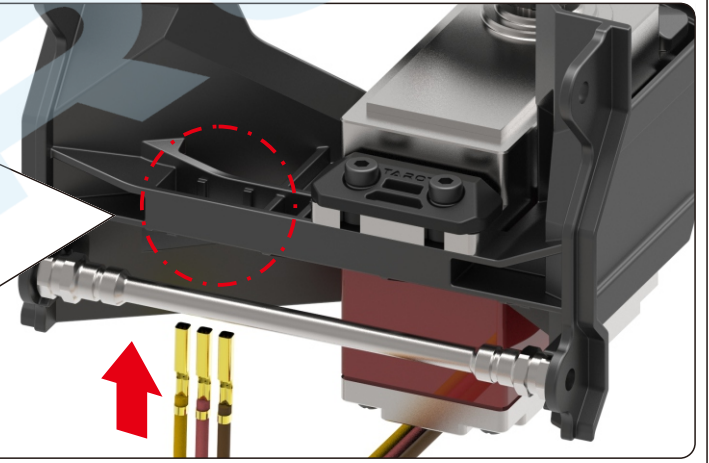
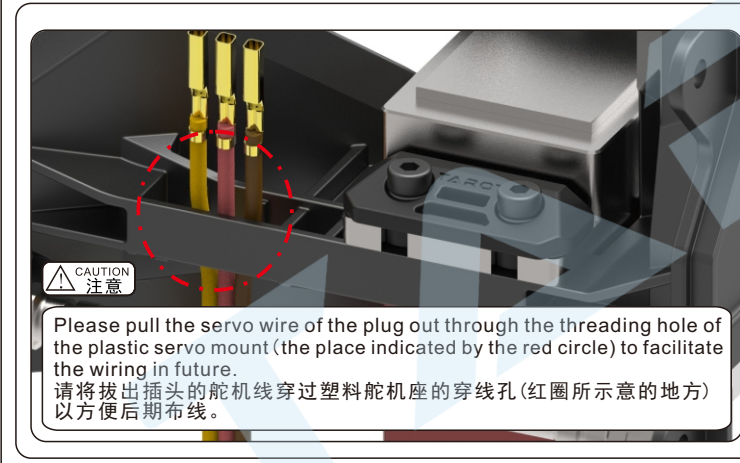
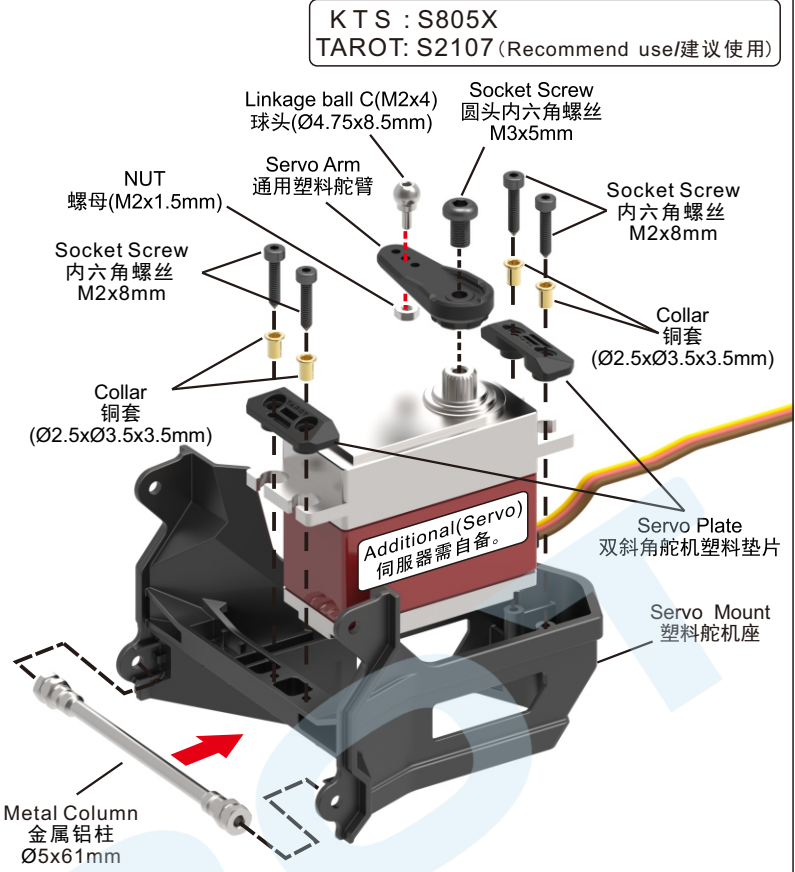
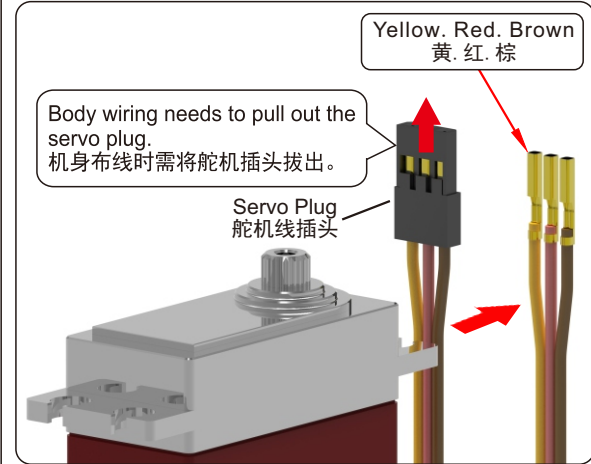
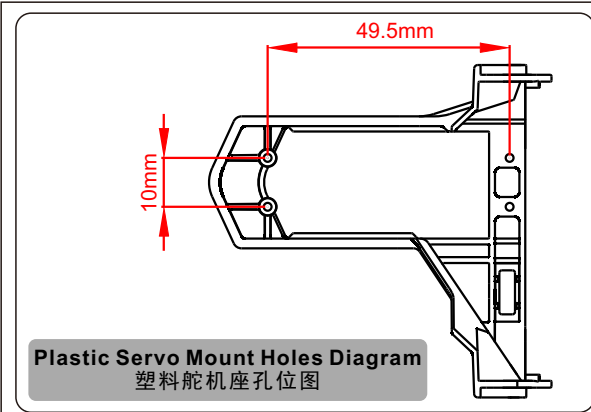
Main Shaft Ring
主轴顶圈

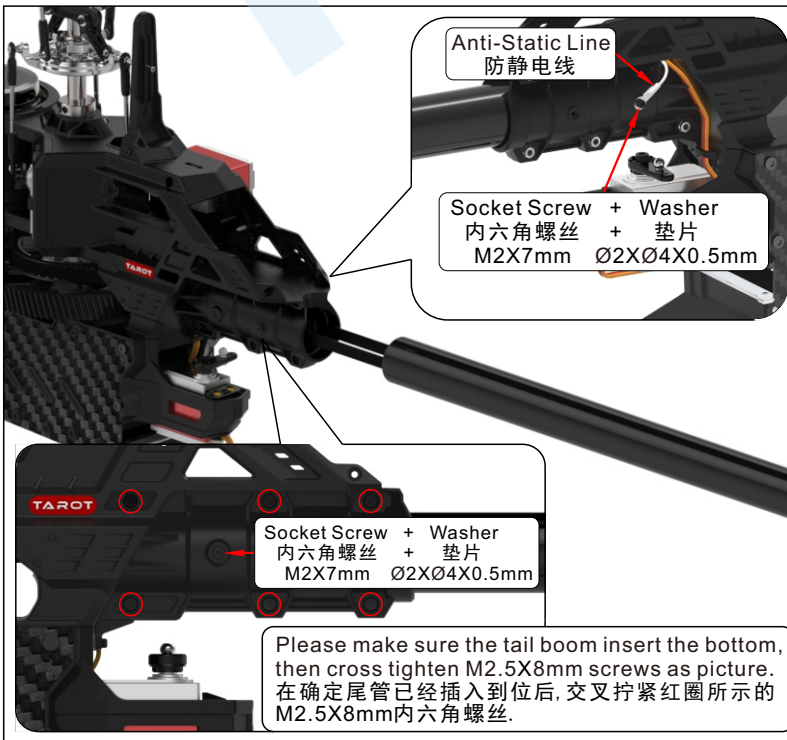
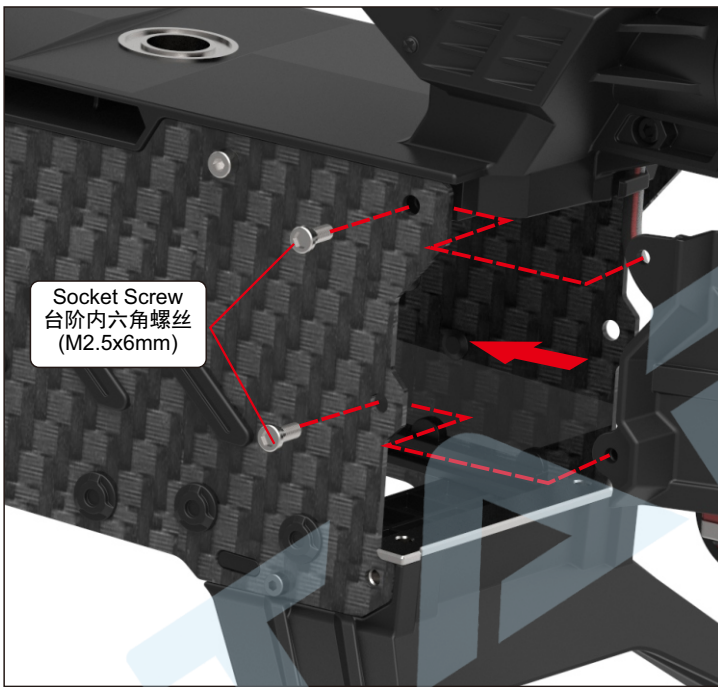
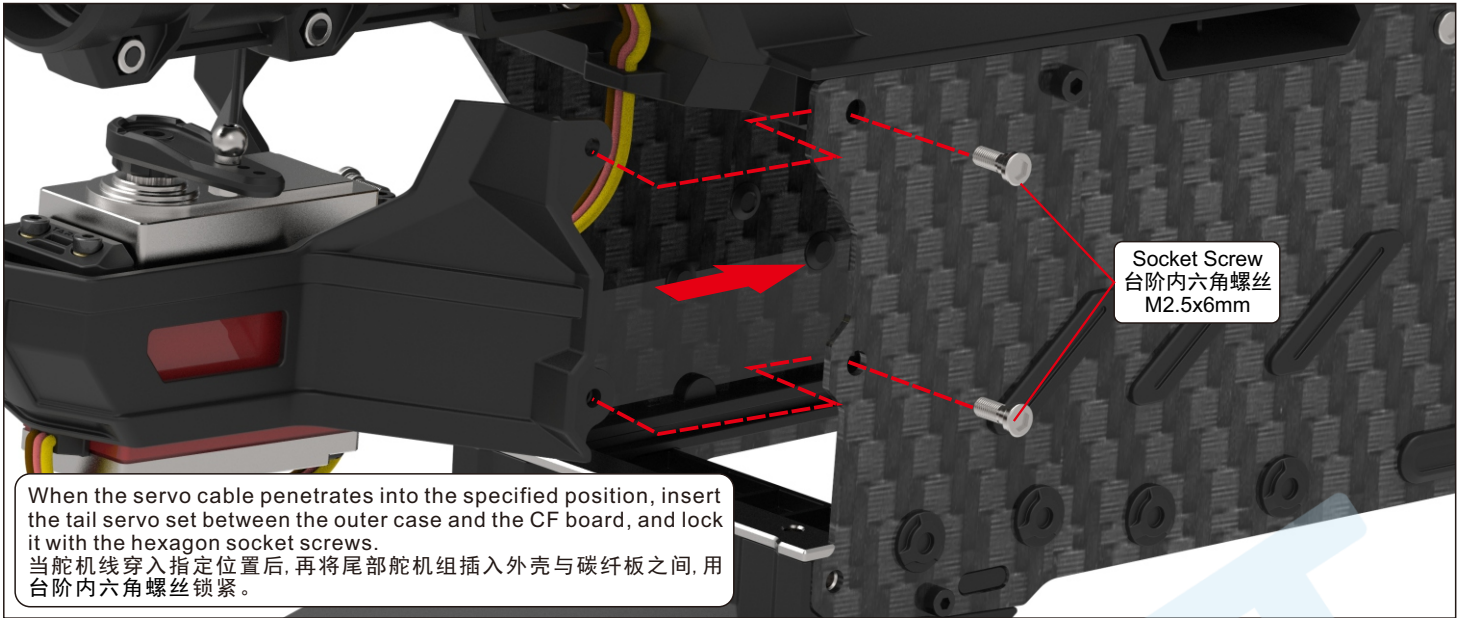
Main shaft ring stack Main shaft.
主轴顶圈套入主轴。









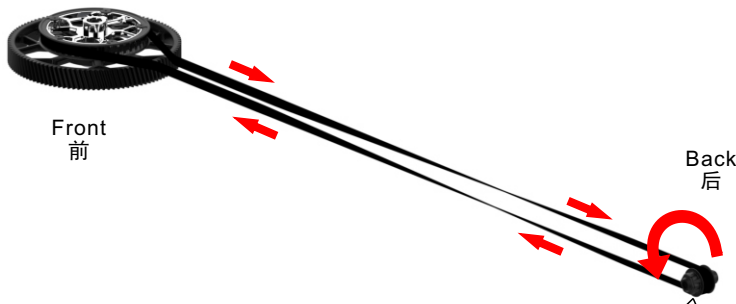


1. It's recommended to use a steel wire or rope to pull the belt and pass the belt through the tail boom.
 2. Check the belt assembly direction is correct, otherwise unpredictable danger will occur.
1. 建议使用钢丝或绳子拉住皮带, 将皮带穿过尾管。
2. 必须确认尾管已经插入到位, 以确保皮带调整位置的正确。

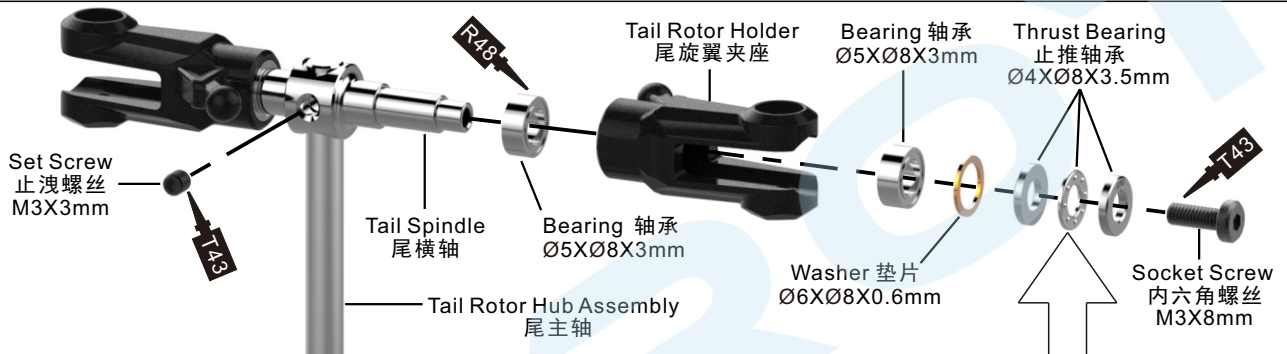
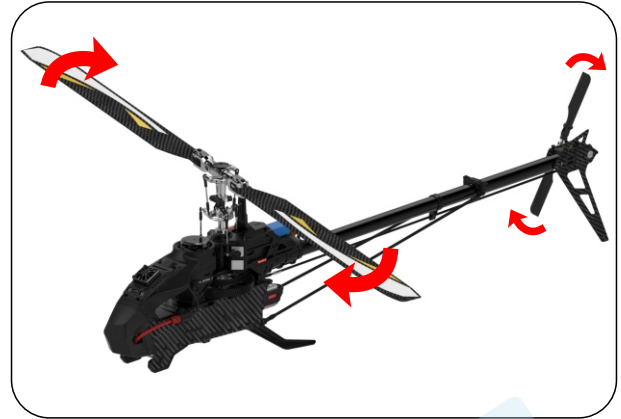
Ø22mm Tail Boom
Ø22mm 尾管

Belt 638-XL
皮带638-XL

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

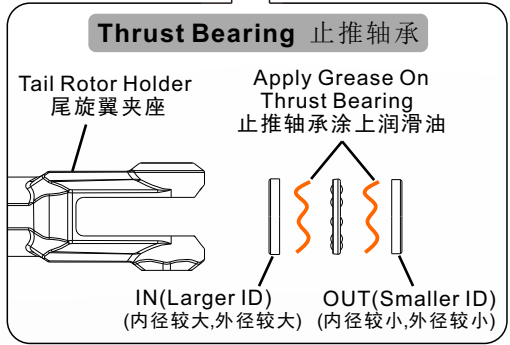


Tail belt must have a 90 degree counterclockwise turn from the front tail assembly to the rear tail assembly.
皮带尾部组装应逆时针旋转90度。

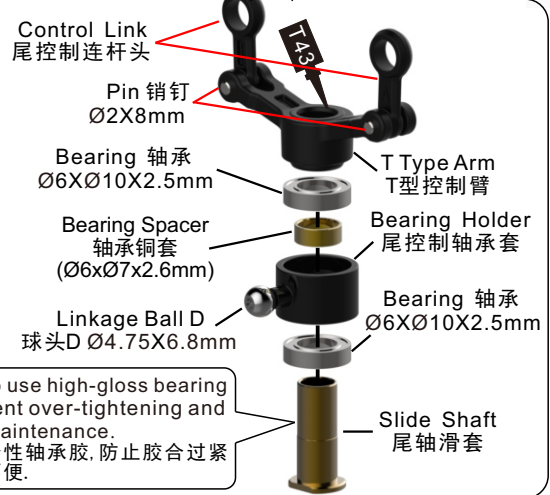


CAUTION 注意

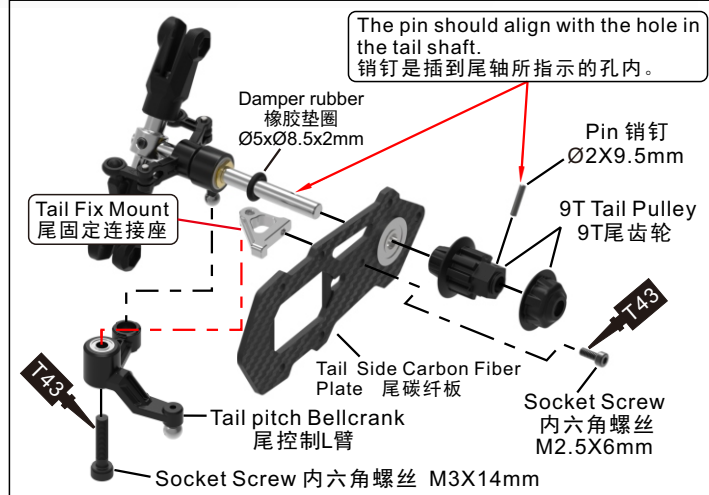
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原装零件出厂包装如果组装完毕, 请需再确认各螺丝是否锁紧上胶。

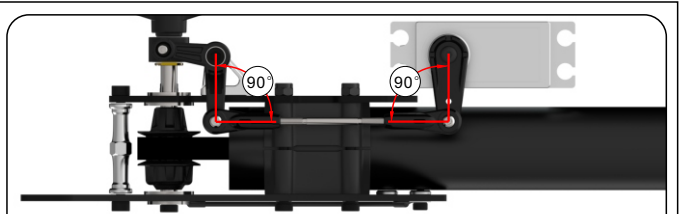
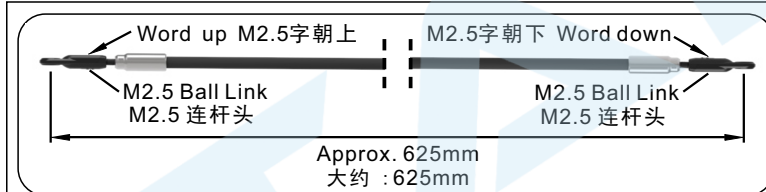
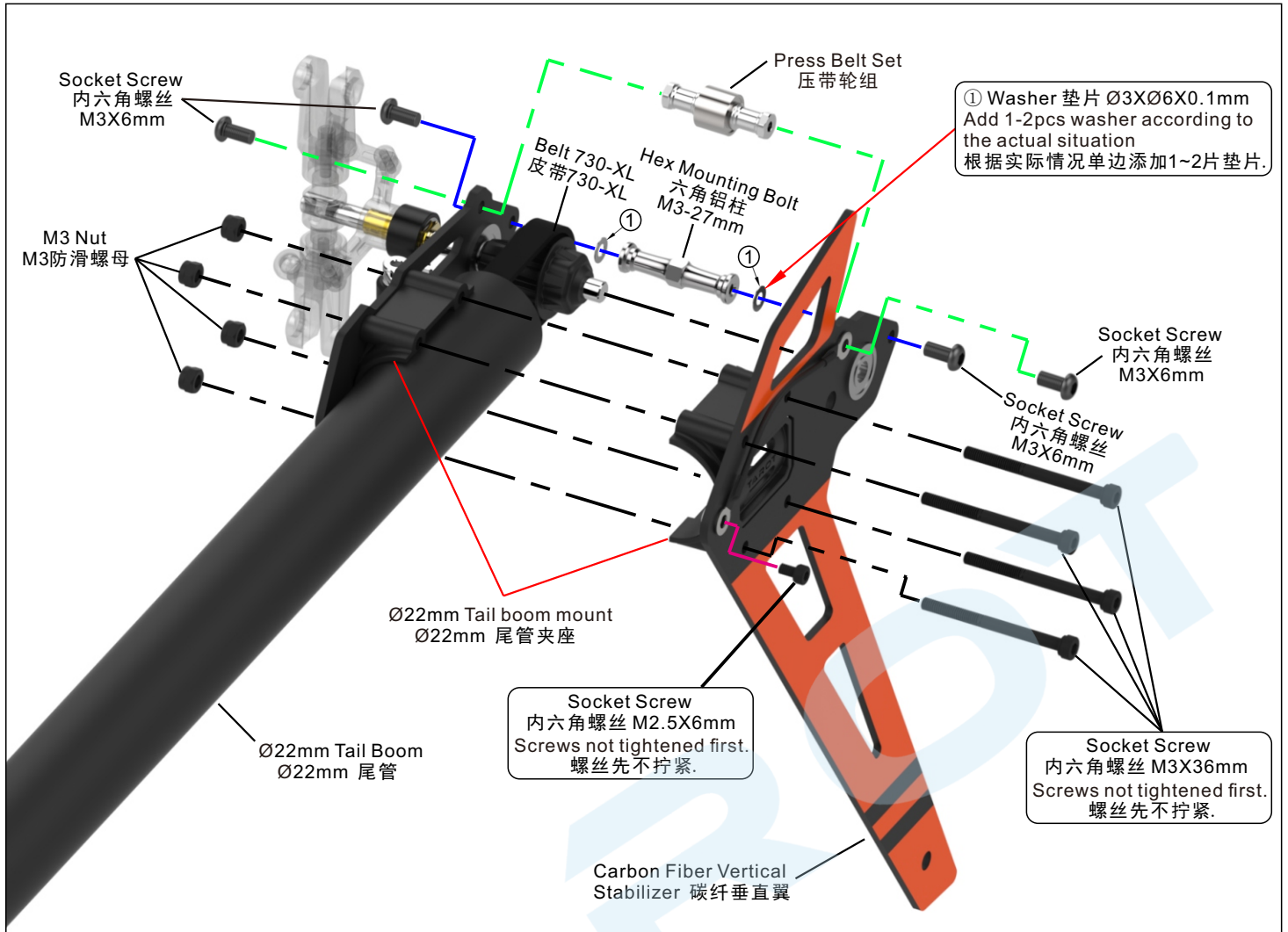


Thrust bearing and washer for radial bearing are wear items, and thus should be inspected for replacement after every 15~20 flights. For flights with high headspeed, the inspection interval should be reduced to ensure flight safety.
止推轴承及横轴垫圈属于飞行消耗品, 建议15~20趟定期检查及更换。主旋翼高转速飞行时, 请缩定期检查的趟数, 以确保飞行安全。

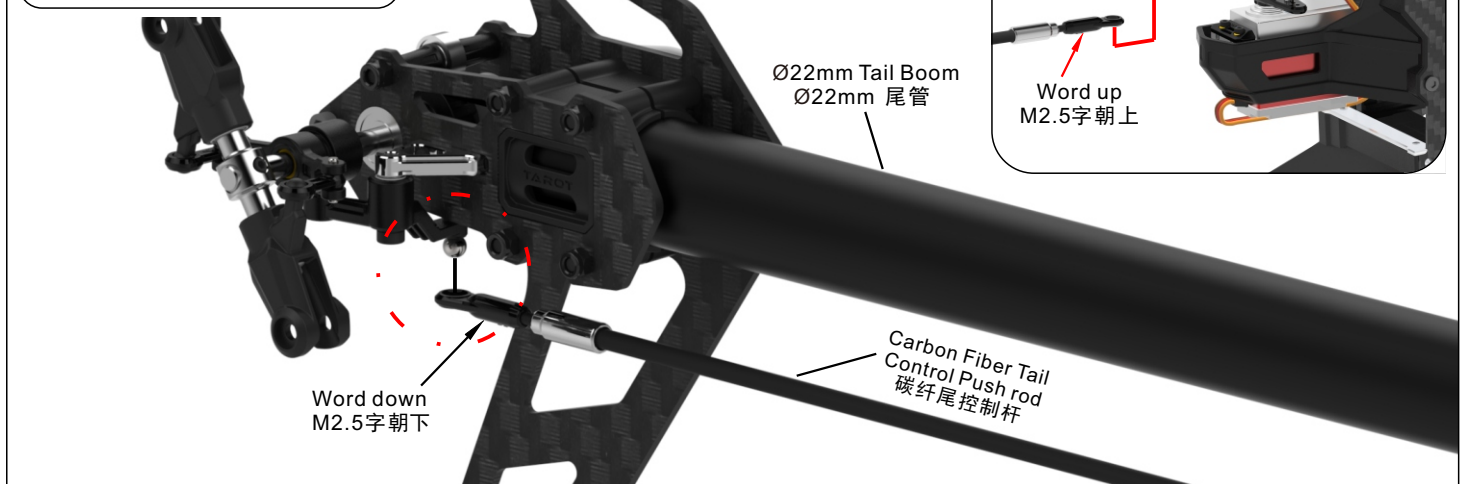
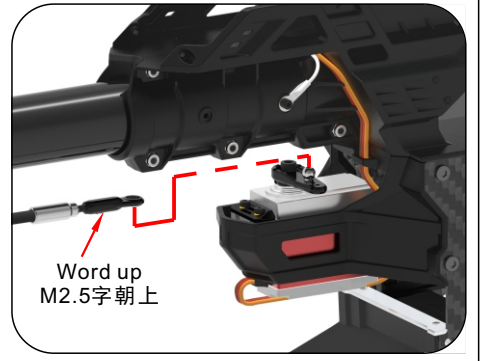
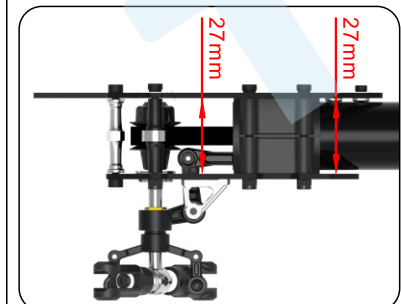


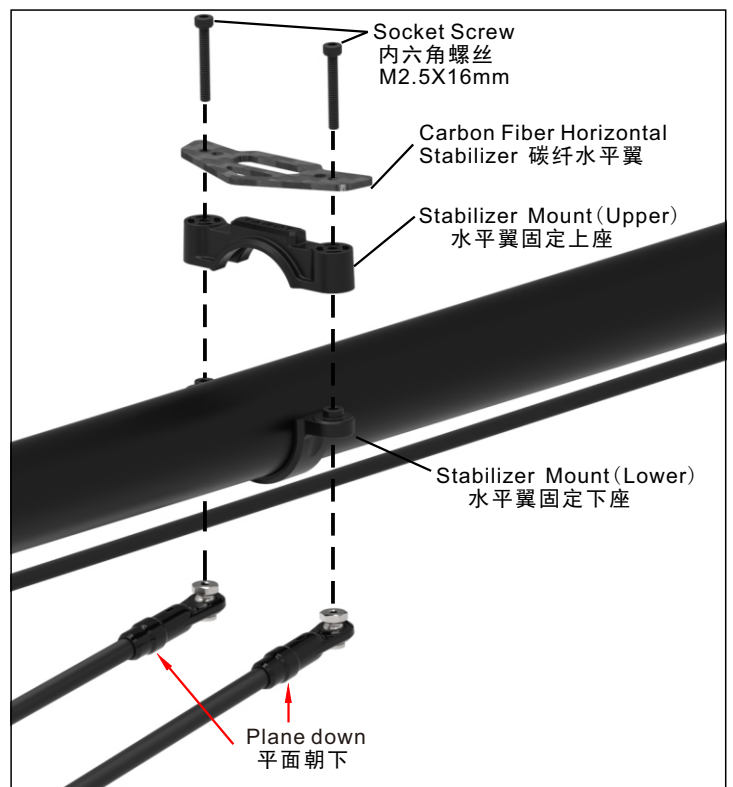
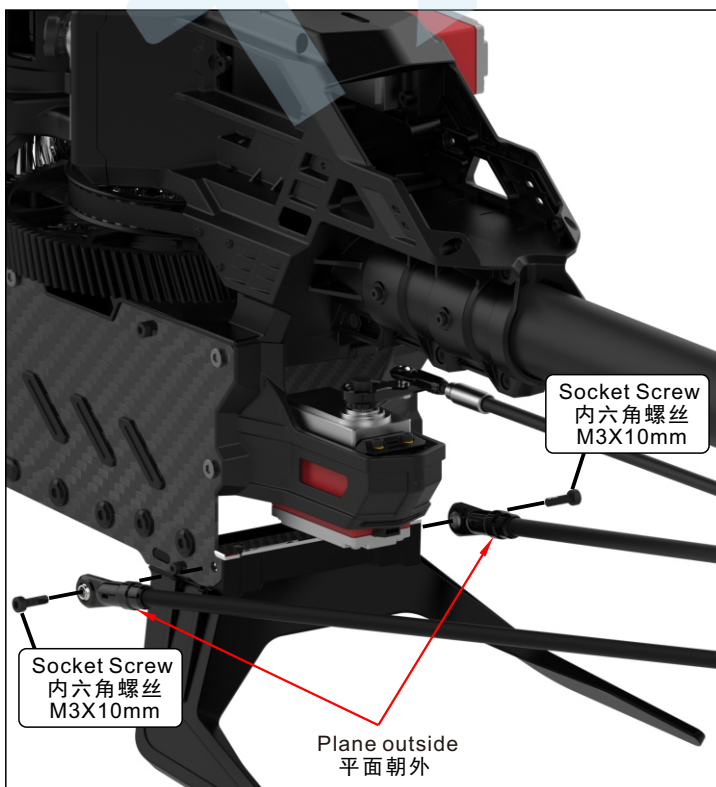
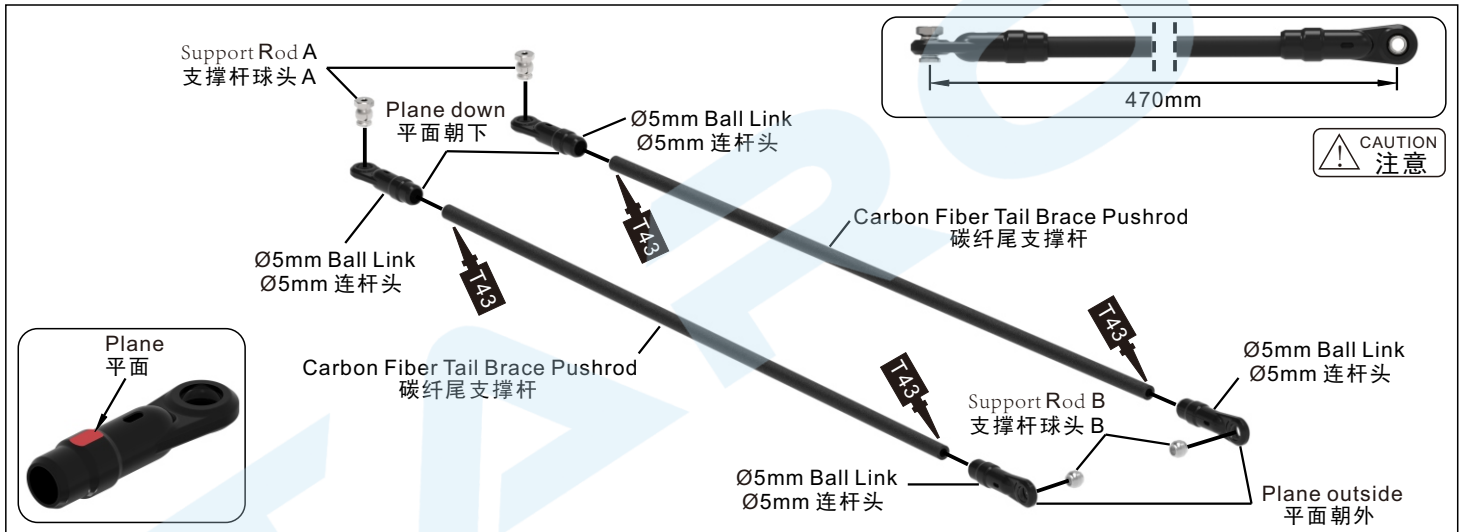
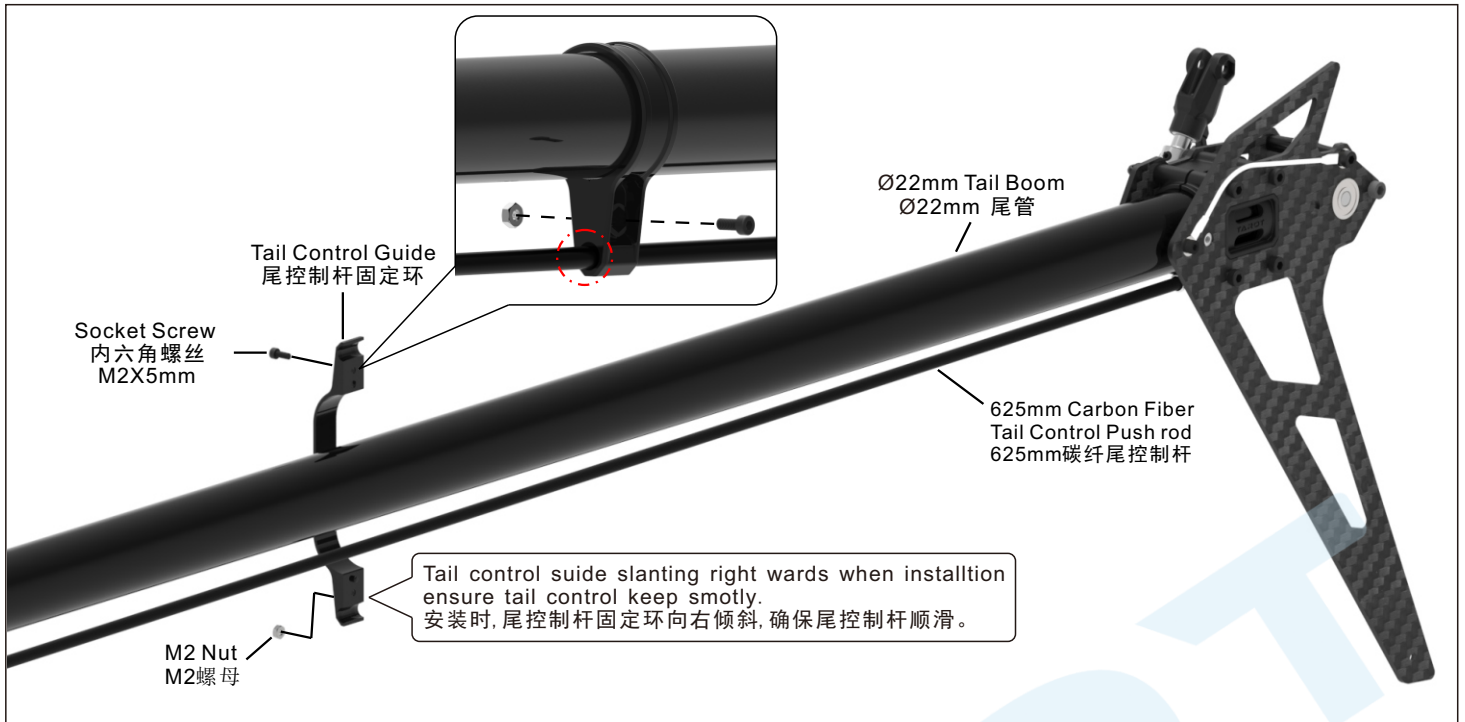
It's forbidden to use high-gloss bearing rubber to prevent over-tightening and lead to future maintenance.
严禁使用高胶合性轴承胶, 防止胶合过紧导致日后维修不便。

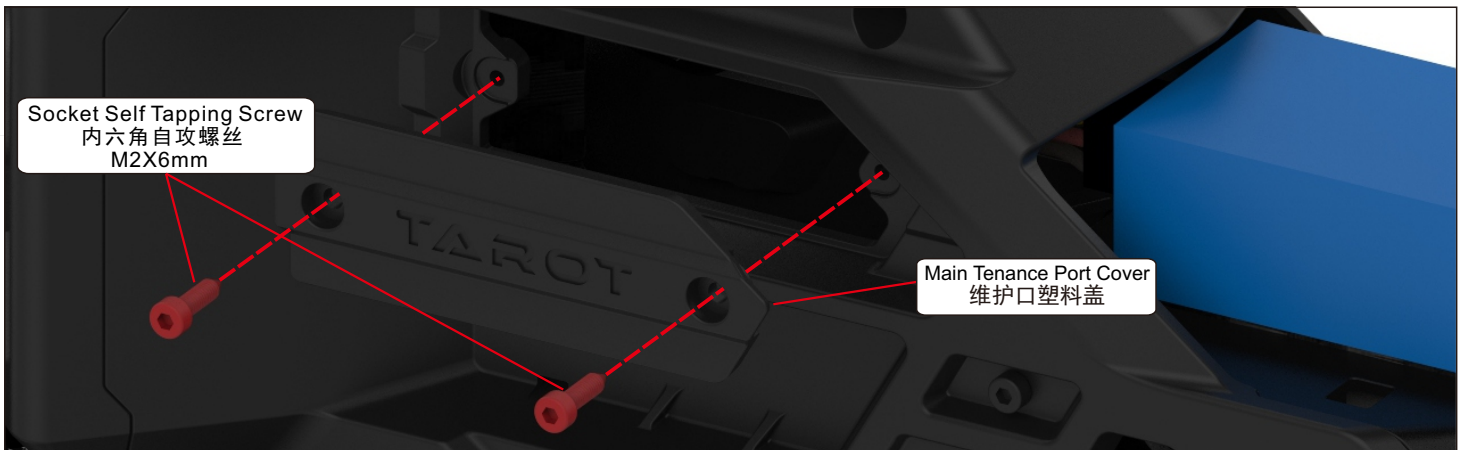
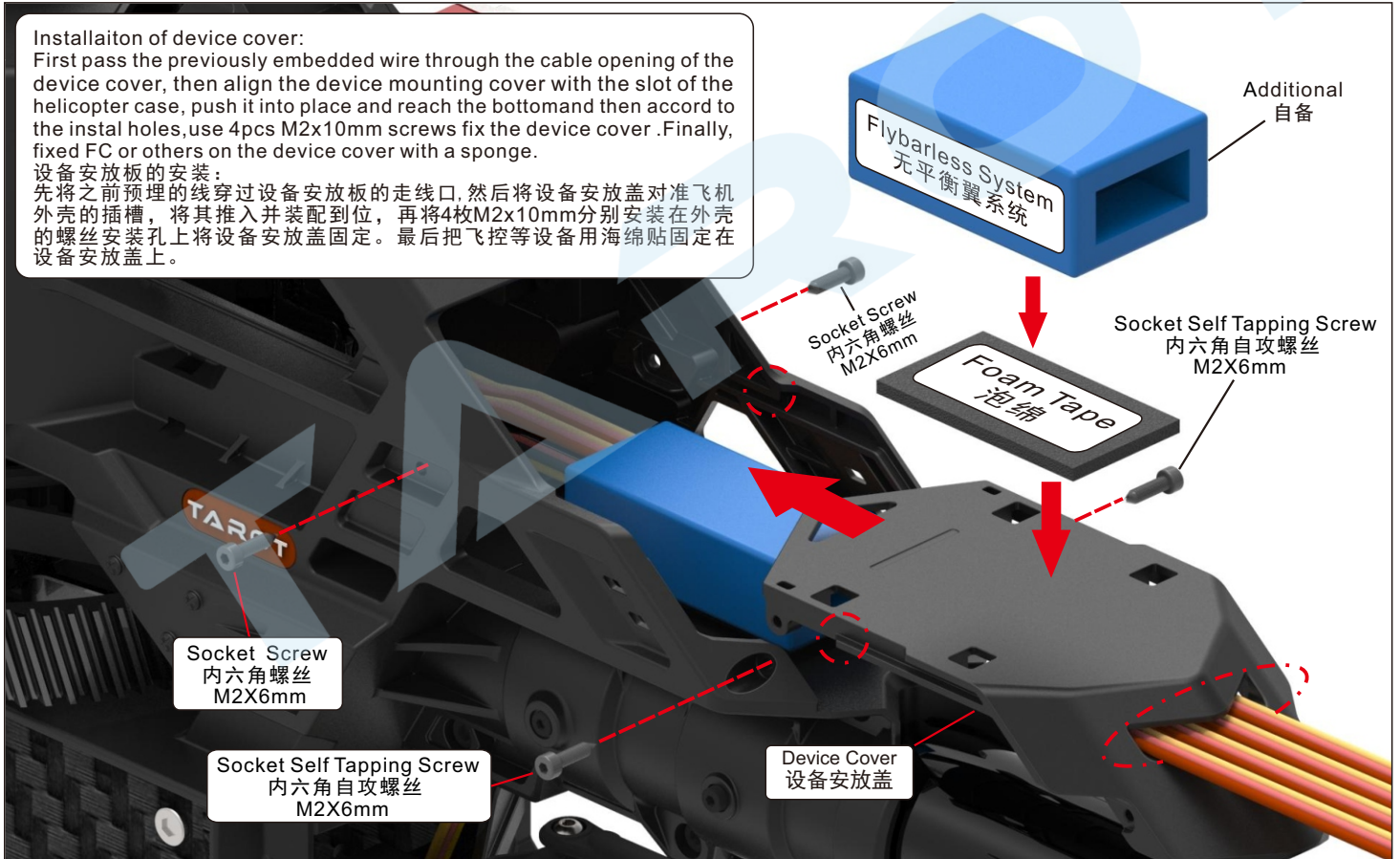
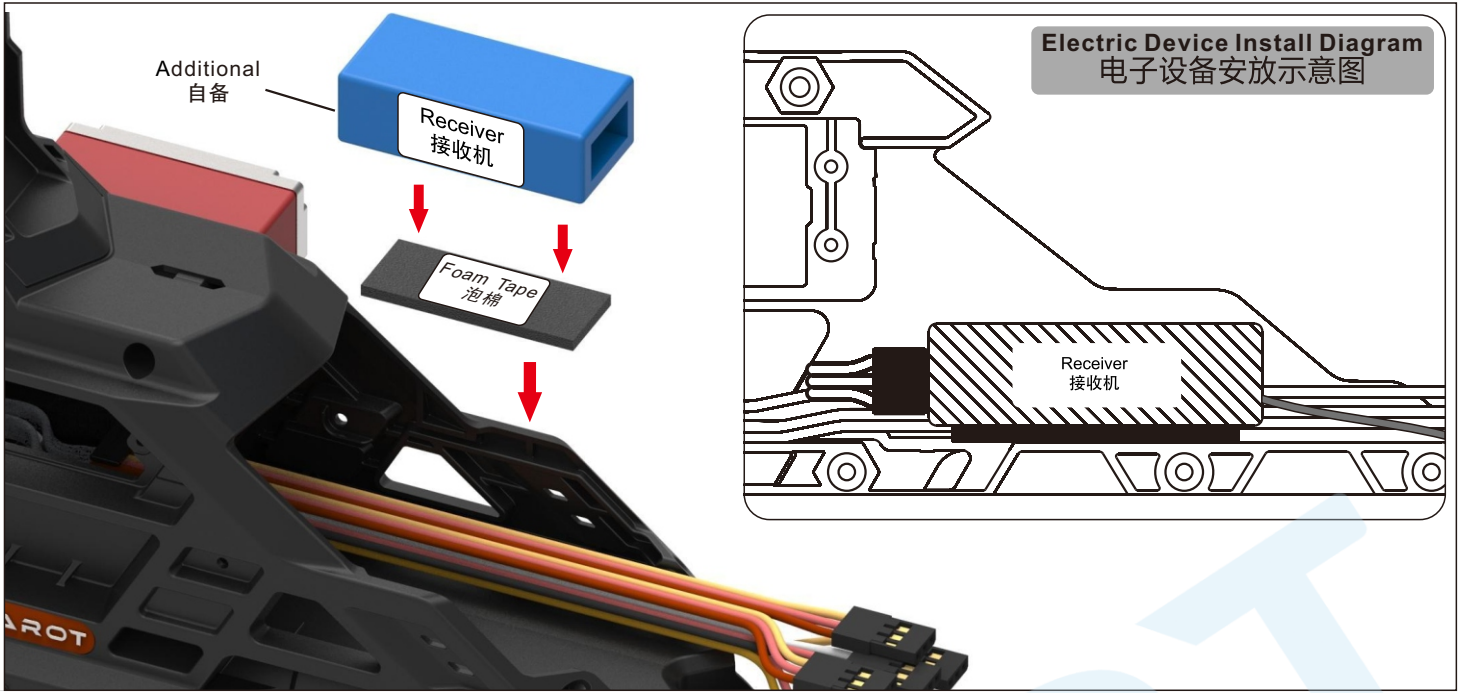


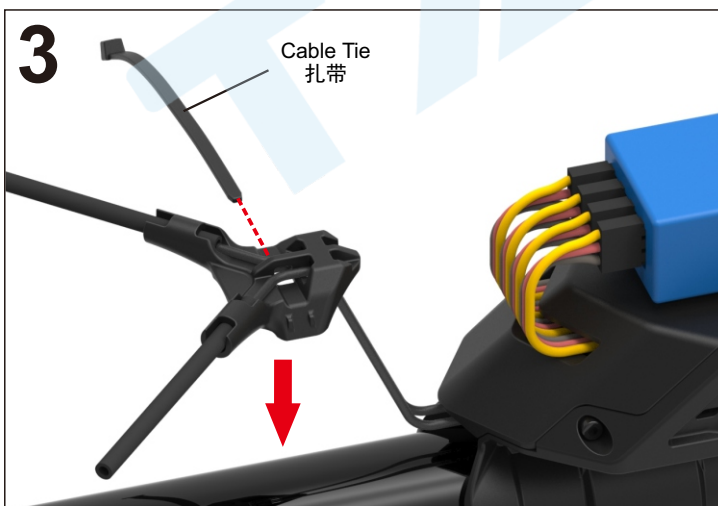
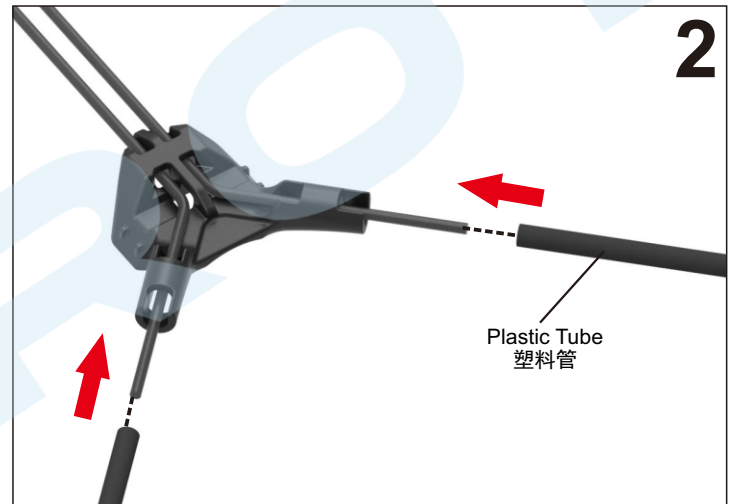
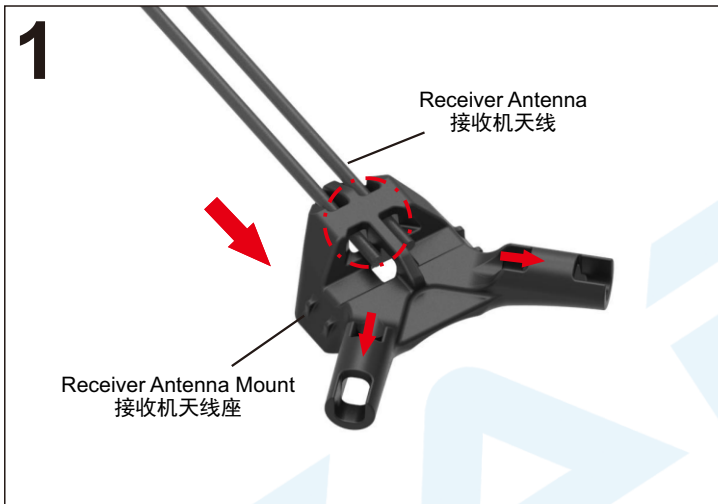
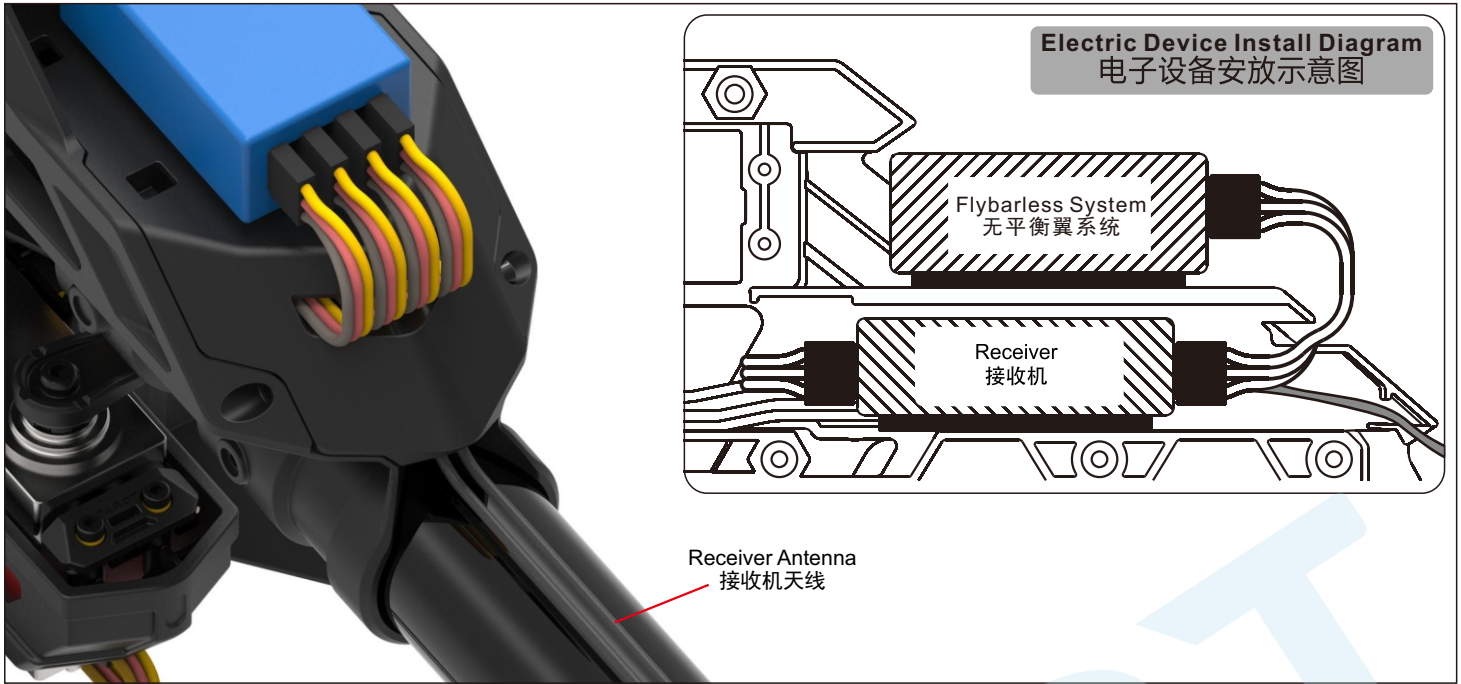


To adjust, leave the heli unpowered. The exact center position of the servo arm will be determined in the trim flight.
要进行调整舵机臂时, 请关闭直升机电源。







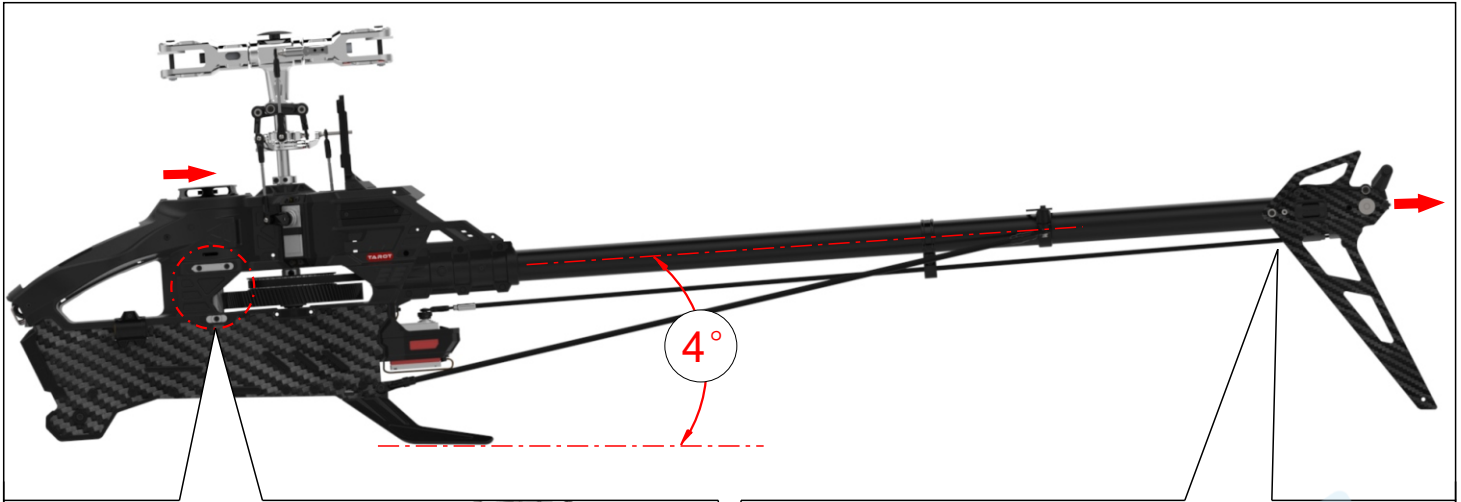


Receiver antenna mount installation :

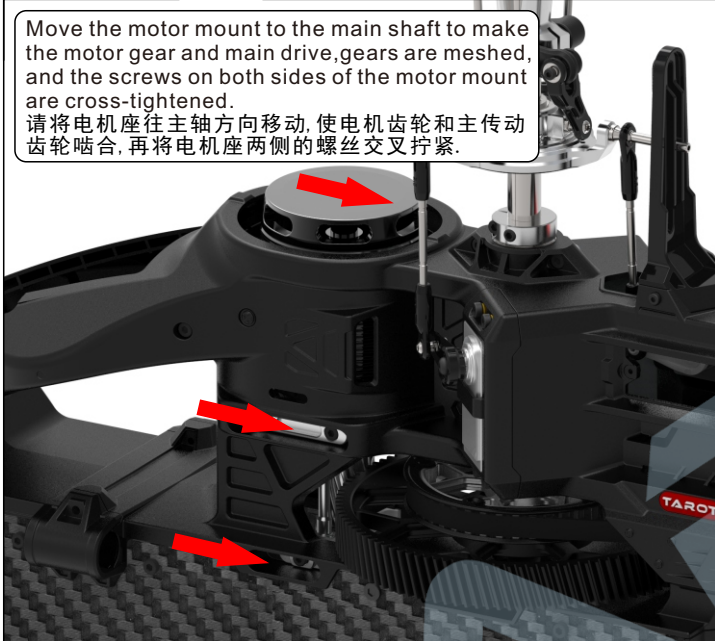
First insert the antenna into the antenna mount (see Figure 1); then pass the antenna through the plastic tube and insert the plastic tube into the antenna mount (Figure 2); then take the cable tie from the set position. (Figure 3); and finally fix the antenna mount with the cable tie at the tail tube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

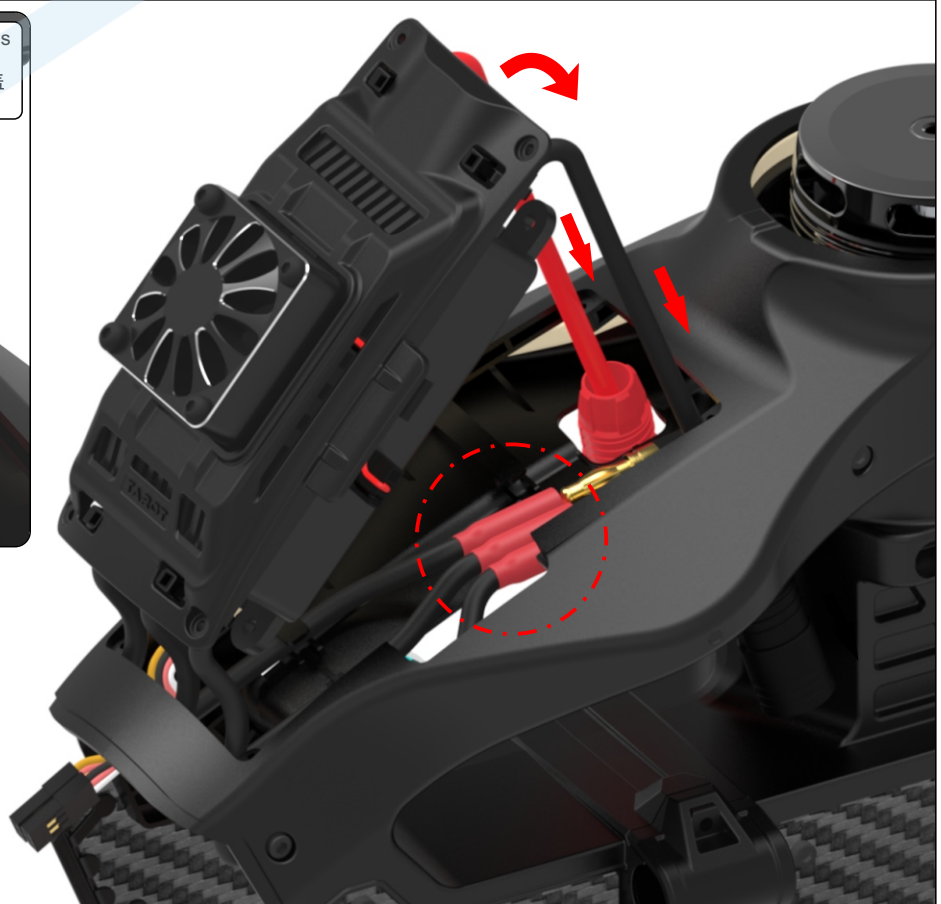


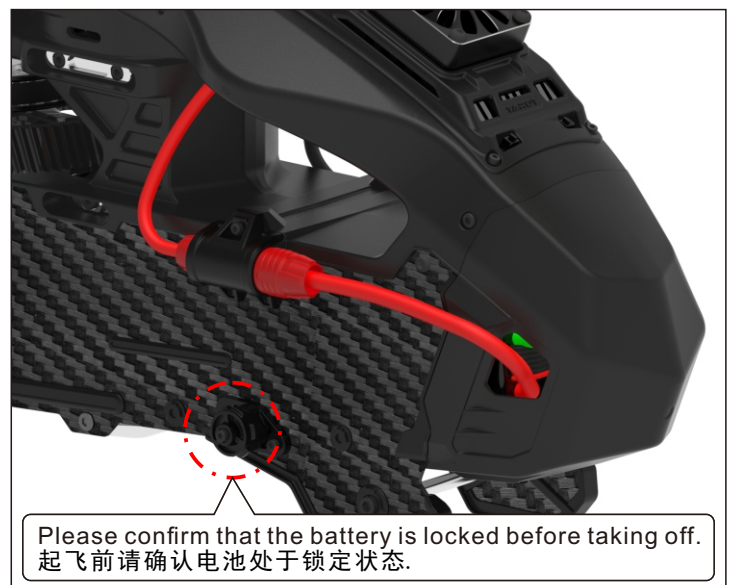
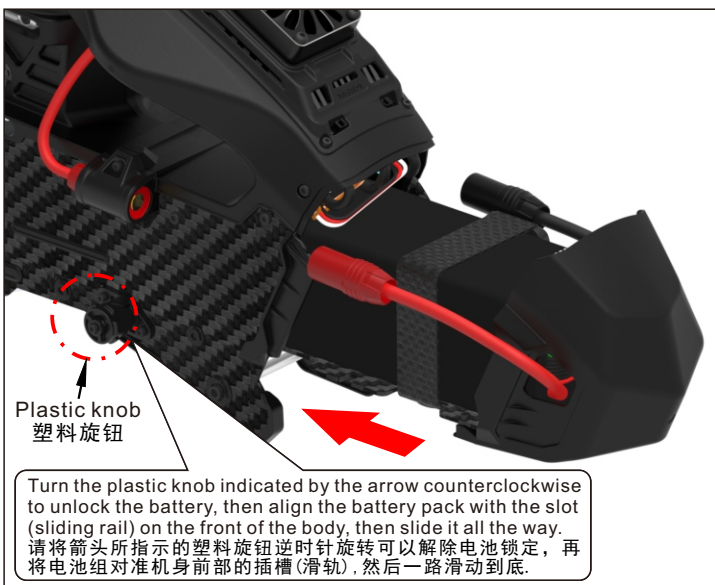
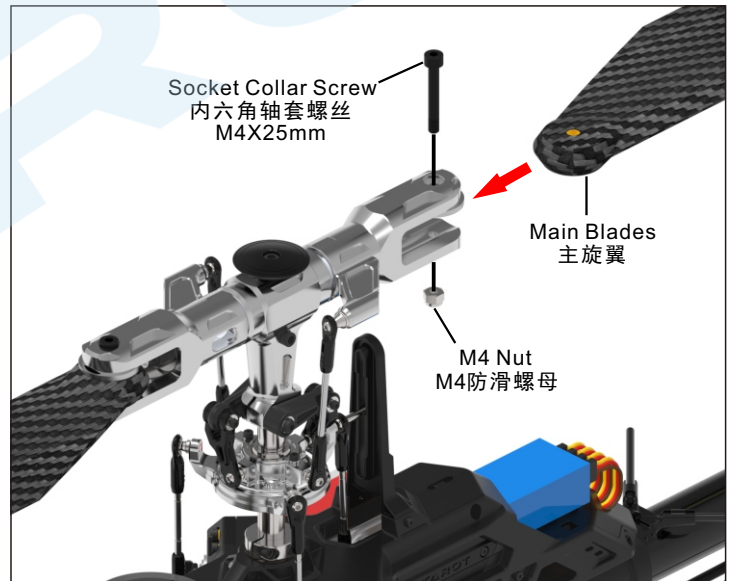
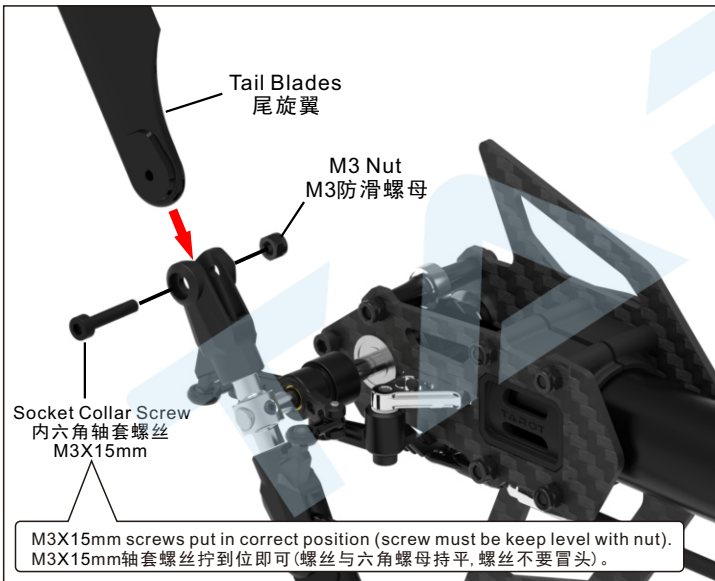
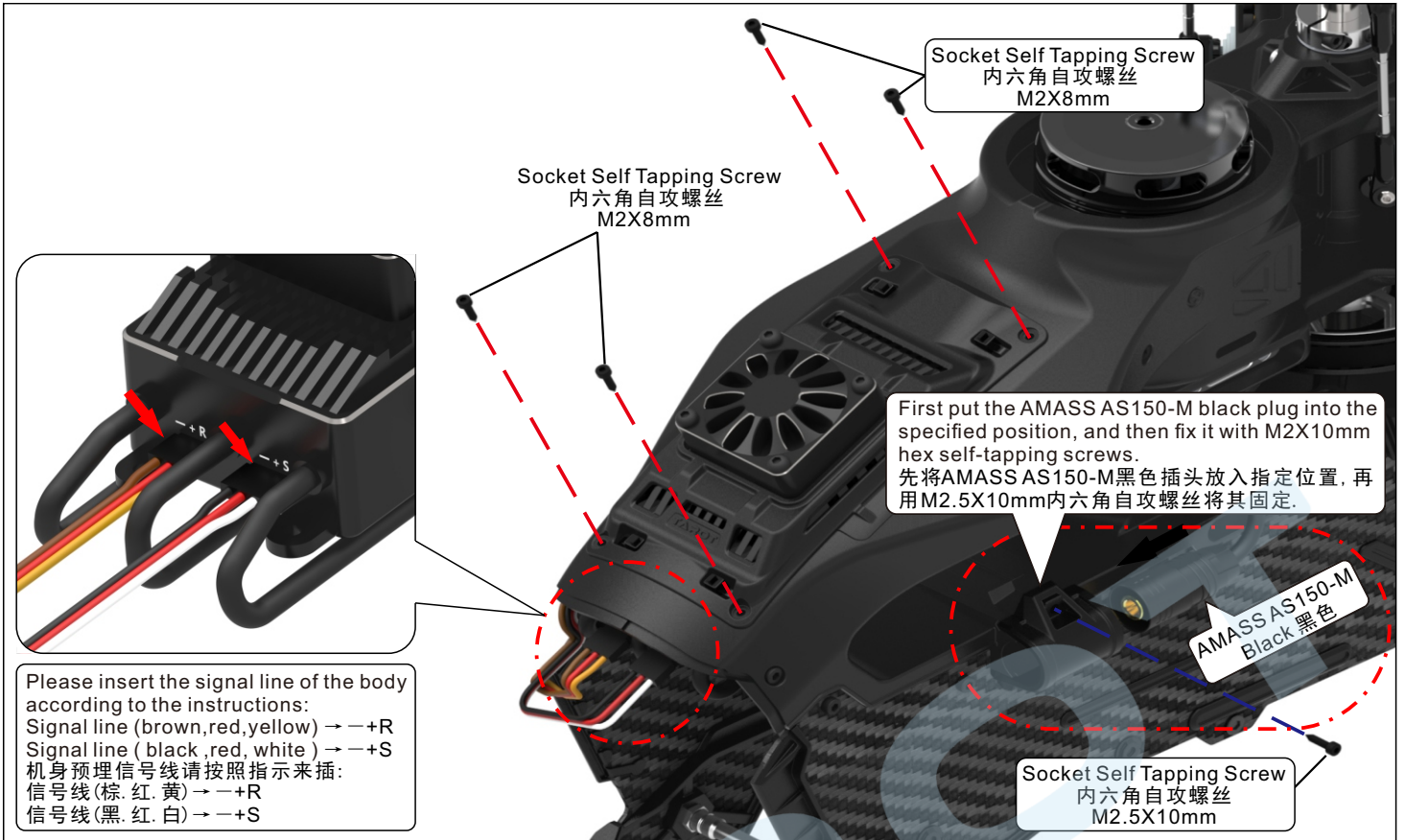
Pull the tail gear box backwards, please pay attention to the tightness of the belt and cross-tighten the screws. When tightening the screws, ensure that the tail shaft rotates smoothly.
 向后拉动尾波箱,请注意皮带的松紧状态并交叉拧紧螺丝。拧紧螺丝时要保证尾轴转动顺畅。



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。

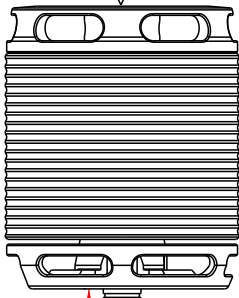
Please arrange the three silicone wires neatly so as not to cause the ESC plastic cover to be installed. 三根硅胶电线走线请排列整齐,以免引起电调塑料盖无法安装。





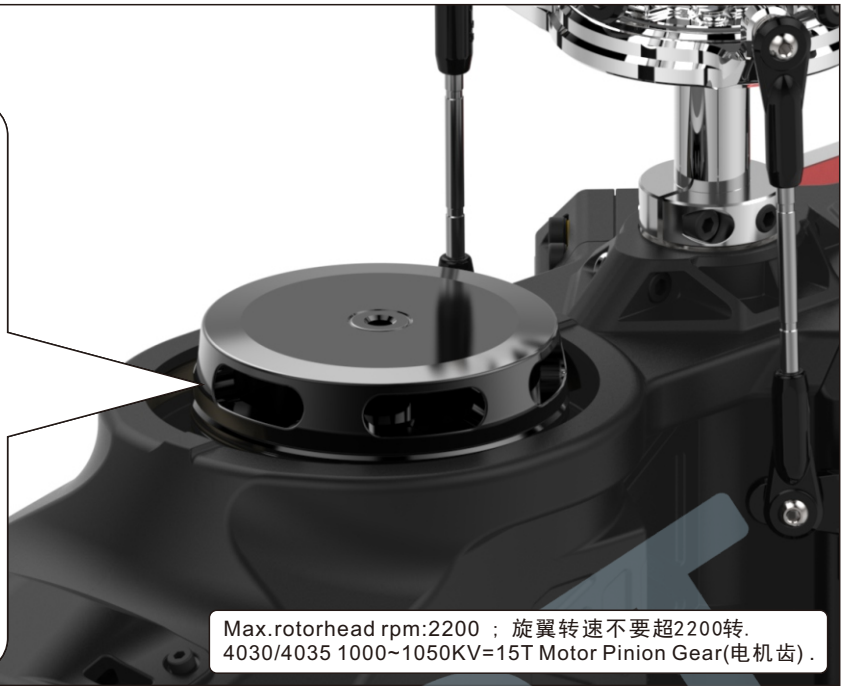
Maximum motor size:
可容纳电机最大尺寸:

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

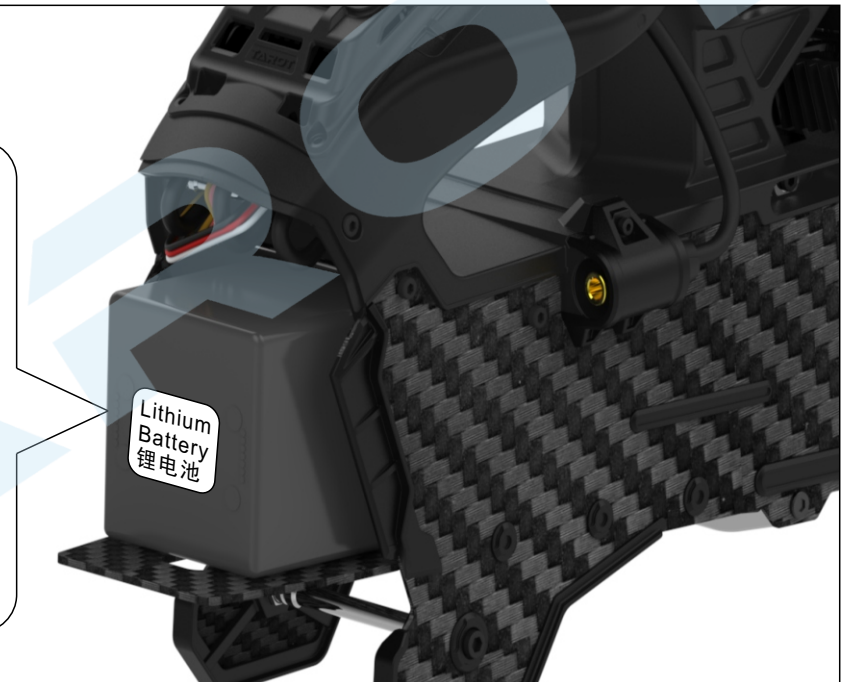
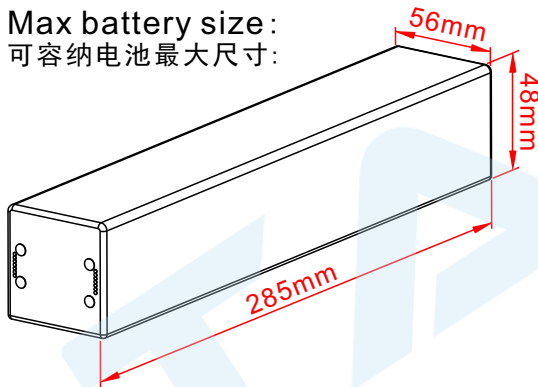


Max. rotorhead rpm: 2200 ; 旋翼转速不要超2200转.
4030/4035 1000~1050KV=15T Motor Pinion Gear (电机齿).

Maximum battery size:
可容纳电池最大尺寸:

Applicable Battery 适用电池:
6S 22.2V

Max battery size:
可容纳电池最大尺寸:



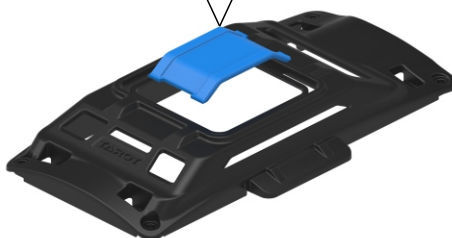
ESC cutting size:
不同电调的切割方式:

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 pointimproperly 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 550 HELICOPTER INSTRUCTION MANUAL

Specifications & Equipment / 规格配置

Length / 机身长: 1048mm

Height / 机身高: 325mm

Main Blade Length / 主旋翼长: 560mm

Main Rotor Diameter / 主旋翼直径: 1260mm

Tail Rotor Diameter / 尾旋翼直径: 250mm

Motor Drive Gear / 马达齿轮: 15T

Main Drive Gear / 主齿轮: 153T

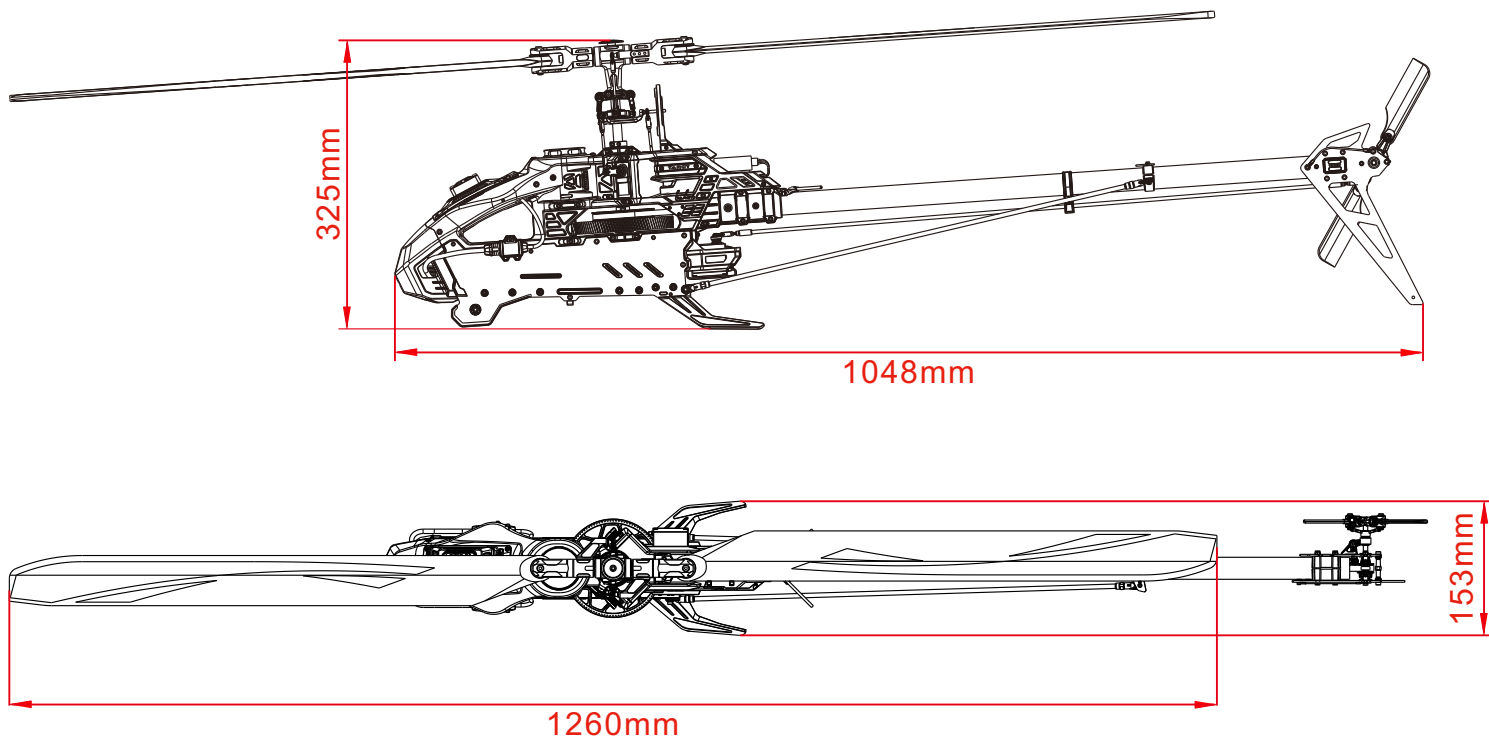
Autorotation Tail Drive Gear / 尾驱动主齿: 42T

Tail Drive Gear / 尾传动齿: 9T

Drive Gear Ratio / 齿轮传动比: 10.2 : 1 : 4.66

Weight (No power system) / 空机重:

(Come with propeller / 包含桨) Approx. 1600g



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。