

Devil X360

组装手册

INSTRUCTION MANUAL

RC HELICOPTERS

ALZRC
WWW.ALZRC.COM

版本 EDITION

Devil X360 组装手册
发布日期: 2018-08
版本信息: 201808A

Devil X360 Manual
Release Date: 2018-08
Version: 201808A

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E-mail: alzrchobby@163.com

前言 INTRODUCTION

感谢您选用ALZRC系列产品, 谨表谢意。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。

Thanks for choosing ALZRC, there's some matters need attention and knowledge you need to know, then just enjoy flying with remote control helicopter. Before you begin, please read this manual very carefully for your safety and also keep this manual properly for reference.

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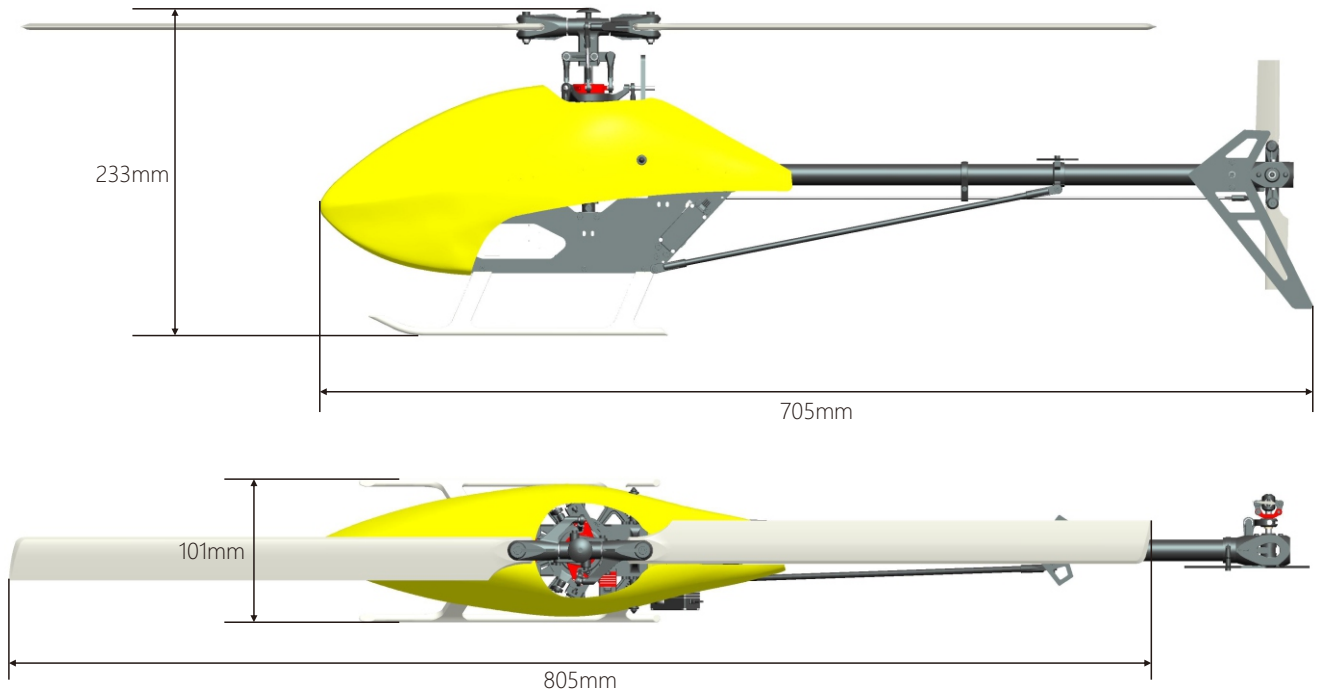
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规格说明 SPECIFICATION



主旋翼直径：805mm
 主旋翼长度：370mm
 尾旋翼直径：160mm
 尾旋翼长度：62mm
 主旋翼主轴直径：6mm
 主旋翼横轴直径：5mm
 尾旋翼主轴直径：4mm
 尾旋翼横轴直径：34mm
 电机尺寸：最大直径32mm，最大高度48mm
 电池：34x34x120mm

Main Rotor Diameter : 805mm
 Main Blade Length : 370mm
 Tail Rotor Diameter : 160mm
 Tail Blade Length : 62mm
 Main Shaft Diameter : 6mm
 Spindle Shaft Diameter : 5mm
 Tail Shaft Diameter : 4mm
 Tail Spindle Shaft Diameter : 3mm
 Motor Size: Maximum 32mm diameter, maximum height 48mm
 Battery Compartment: 34x34x120mm

重要声明 IMPORTANT NOTES

遥控直升机属于采用众多高科技技术所设计出来的产品，具有一定危险性。所以产品的使用不当或不熟悉都可能会造成严重伤害甚至死亡，使用之前请务必仔细阅读本说明书。

RC helicopter was a product that designed base on variety of high-tech and with a certain dangerous. So it may cause serious injury or even death under inappropriate operations. Do read this instruction carefully before operating it and pay more attention to the security.

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组装不当所发生的意外负任何责任，本产品是提供给有操作过模型直升机经验的成人或有一定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，产品售出后本公司将不负任何操作和使用控制上的任何性能与安全责任。

In the use of RC helicopters, manufacturers and dealers are not in any responsibilities for the accidents caused by the loss of the parts in the abnormal operation or improperly assembling of the helicopter. This product is available for the experienced adults who have operated the helicopters before and the operators who have the substantial technical staff standing by in the local legitimate remote control flying field to ensure the safety. After the sale of the products, ALZRC shall have no responsibilities in the performance and security issues causing in the operations and uses.

模型商品属于高操作技术且为消耗性之商品，如经拆装使用后，会造成若干零件损耗的情况，任何使用情况所造成商品不良或不满意，将无法更换新产品或退货。

RC-model requires a certain degree of skill to operate, and is a consumer item. Any damage or dissatisfaction as a result of accidents or modifications are not covered by any warrantee and cannot be returned or replace.

ALZRC及其代理机构皆对此产品的组装、维护及使用不具有任何控制力。因此，任何责任皆无法被追溯至本产品的制造者。由此我们默认您同意不向ALZRC及其代理机构追究任何在使用本产品过程中所产生的责任。

Neither ALZRC Helicopter Division nor its agents have any control over the assembly, maintenance and use of this product. Therefore, no responsibility can be traced back to the manufacturer. You hereby agree to release ALZRC Helicopter Division from any responsibility or liability arising from the use of this product.

安全注意事项 SAFETY NOTES


- 遥控直升机属高危险性商品，飞行时务必远离人群，人为组装不当或机件损坏，电子控制设备不良，以及操控上的不熟悉，都有可能造成飞行失控损伤等不可预期的意外，请飞行者务必注意飞行安全，并需了解自负疏忽所造成任何意外之责任。
- 遥控直升机内部也是由许多精密的电子零件组成，所以必须绝对的防治潮湿或水汽，避免在浴室或雨天时使用，防止水汽进入机身内部而导致机件及电子零件故障而引发不可预期的意外。
- 在组装这架遥控直升机前，必须认真阅读本组装机手册及各个设备商的使用手册。
- 初接触遥控直升机的人员，必须有专业人员陪同。
- 所有操作这架遥控直升机的人员，都必须采取适当的安全措施。
- 直升机飞行是具有一定的速度，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，必须注意周遭有没有人、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财产的损坏。初次练习时，务必选择在空旷合法专属飞行场地并适当搭配练习架练习飞行，这对飞行失误所造成的损伤将会大幅的降低。请勿在下雨、打雷等恶劣天气下操作，以确保本身及机身的安全。
- 操作遥控直升机可能有意想不到的危险行为发生，所以操作遥控直升机是非常危险的。
- 遥控直升机必须定期维护。
- 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 of a result of R/C aircraft models.
- R/C 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.
- This radio controlled helicopter must be built following these instructions. This manual provides the necessary information to correctly assemble the model. It is necessary to carefully follow all the instructions.
- Inexperienced pilots must be monitored by expert pilots.
- All operators must wear safety glasses and take appropriate safety precautions.
- R/C helicopters fly at high speed, thus posing a certain degree of potential danger. Choose an a legal flying field consisting of fiat, 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 and can use a training skid to fly for reducing the damage. Do not fly your model in inclement weather, such as rain, wind, snow or darkness.
- A radio controlled helicopter can behave in an unexpected manner, causing loss of control of the model, making it very dangerous.
- Lack of care with assembly or maintenance can result in an unreliable and dangerous model.

实机飞行前请严格执行飞行前检查义务 CAREFULLY INSPECT BEFORE REAL FLIGHT

- 每次飞行前应先确认所使用的遥控发射频率是否会干扰他人，以确保你自身与他人的安全。
- 每次飞行前确定您遥控器与接收器电池的电量是在足够飞行的状态。
- 开机前确认遥控器油门摇杆是否位于最低点，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，开机时应先开启遥控器后，再插上接收器电源；关机时应先拔出接收器电源后，再关闭遥控器。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。
- 开机请先确认遥控直升机的各个动作是否顺畅及方向是否正确，并检测舵机的动作是否有干涉或崩齿的情况，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的螺丝与螺帽，确认没有组装不完整或损毁的零件，仔细检测主旋翼是否有损坏，特别是接近主旋翼夹座的部位。损坏或组装不完整的零件不仅影响飞行，更会造成不可预期的危险。注意：对损耗，有裂痕零件更新及定期保养检测的重要性。
- 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新，否则将造成直升机无法操控的危险。
- 确认电池及电源插头是否固定牢靠，飞行中的震动或激烈的飞行，可能造成电源插头松脱而造成失控的危险。
- 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 resulting in 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 the battery and power plug are fastened. Vibration and violent flight may cause the plug loose and result out of control.

标符注释 LEGEND

在组装过程中，如果出现以下标符，请认真执行每个标符的操作。
It is necessary to pay attention to the symbols listed below.

 因为疏忽这些操作说明，可能造成不必要的麻烦。而安装错误可能造成危险。
注意
CAUTION
 Mishandling due to failure to follow these instructions may result in danger.



螺丝胶
THREAD LOCK

使用螺丝胶固定。
Apply Thread Lock to fix.



轴承胶
ANAEROBICS RETAIN

使用金属管状固定缺氧胶固定。
Apply Anaerobics Retain to fix.



润滑油
GREASE

涂上润滑油。
Apply grease.



瞬间胶
CA GLUE

使用瞬间胶固定。
Apply CA glue to fix.



已经完成组装
Already Assembled



螺丝胶涂于螺丝的螺纹上。
长度约1mm。
Glue width: approx.1mm



轴承胶涂于轴承的外圈。
Apply anaerobics retain to the outer ring.

自备遥控及电子设备 RADIO TRANSMITTER AND ELECTRONIC EQUIPMENT REQUIRED FOR ASSEMBLY

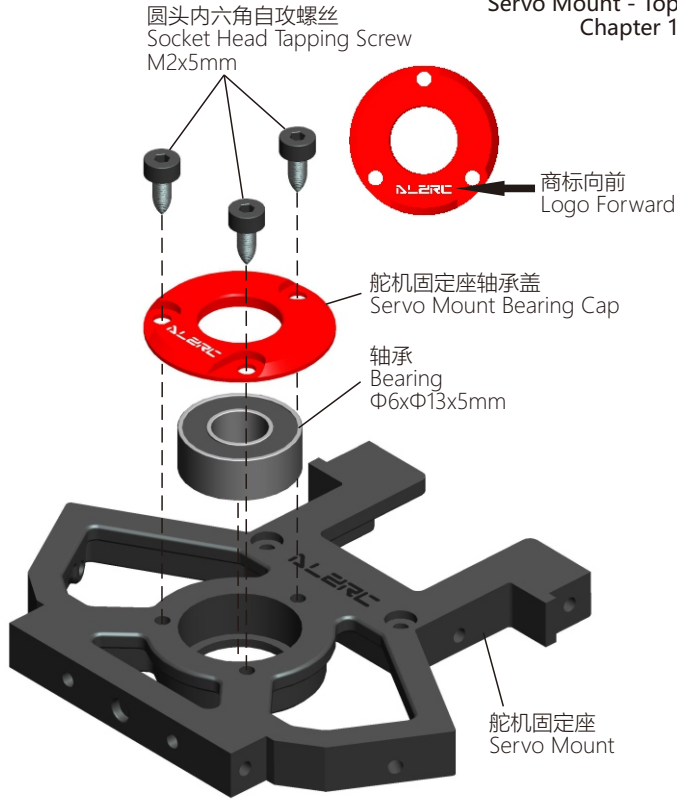
- 遥控器 (六通道及以上直升机模式遥控器)
- 接收器 (六通道及以上)
- 数字螺距规
- 锂电池 (1400~1600mAh 22.2V 6S Li-Po) 宽高尺寸限制在 34x34mm 以内。
- 无刷马达 (1800KV 3.5mm 6S) **标准版配备/高级套装版配备**
- 无刷电调 (40~60A) **标准版配备/高级套装版配备**
- 倾斜盘舵机 x 3 (建议使用扭力 3KG*cm 以上舵机) **高级套装版配备**
- 锁尾舵机 (建议使用扭力 4Kg*cm 以上、速度 0.06~0.04秒舵机) **高级套装版配备**
- 无副翼陀螺系统 **高级套装版配备**
- Transmitter (6-channel or more, helicopter system)
- Receiver (6-channel or more)
- Digital Pitch Gauge
- Li-Po Battery (1400~1600mAh 22.2V 6S) With the size within 50x53mm.
- Brushless Motor (1800kv 6S 3.5mm spindle) **Combo/Super Combo**
- Brushless ESC (40~60A) **Combo/Super Combo**
- Swashplate Servos x 3 (Recommend to use 3KG*cm or higher torque servo) **Super Combo**
- Locked Rudder Servo (Recommend to use above 4kg*cm torsion and with speed of 0.06~0.04s servo) **Super Combo**
- 3-Axis Gyro System **Super Combo**

自备工具 ADDITIONAL TOOLS REQUIRED FOR ASSEMBLY

- | | |
|--|--|
| <ul style="list-style-type: none"> ● 内六角螺丝刀 (0.9mm/1.5mm/2.0mm/2.5mm/3.0mm/4.0mm) ● 内六角套筒 (5.5mm/7.0mm) ● 243 螺丝胶 ● 648 轴承胶 ● Grease 润滑油 ● CA 瞬间胶 | <ul style="list-style-type: none"> ● 剪刀 ● 刀子 ● 斜口钳 ● 尖嘴钳 ● 砂纸 ● 焊接工具 |
| <ul style="list-style-type: none"> ● Hexagon Screw Driver (0.9mm/1.5mm/2.0mm/2.5mm/3.0mm/4.0mm) ● Hex Fork Wrench (5.5mm/7.0mm) ● 243 Thread Lock ● 648 Anaerobics Retain ● Grease ● CA Glue | <ul style="list-style-type: none"> ● Scissors ● Cutter Knife ● Diagonal Cutting Pliers ● Needle Nose Pliers ● Sand Paper ● Soldering Equipment |

DX360-A

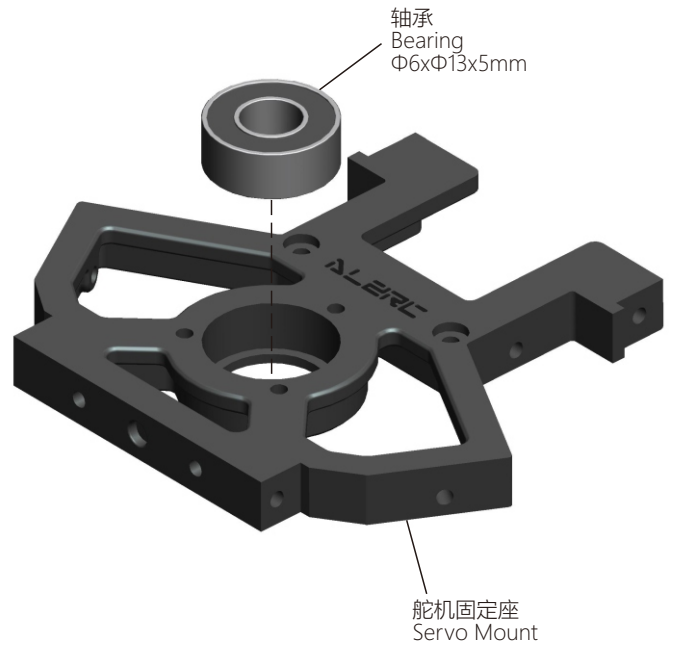
舵机固定座-上
Servo Mount - Top
Chapter 1



螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.

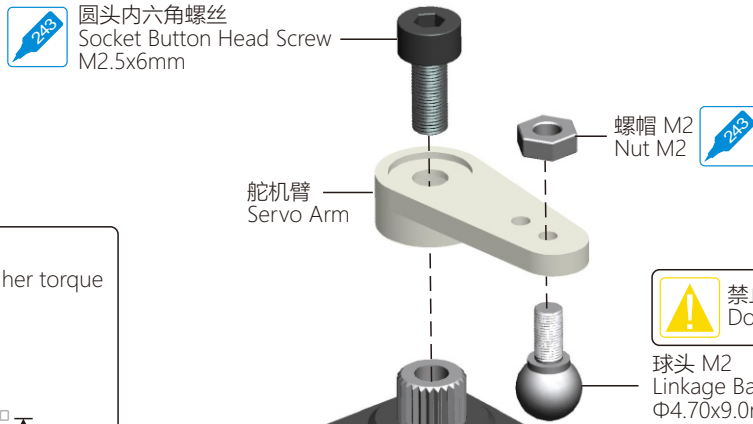
DX360-A

舵机固定座-下
Servo Mount - Bottom
Chapter 2

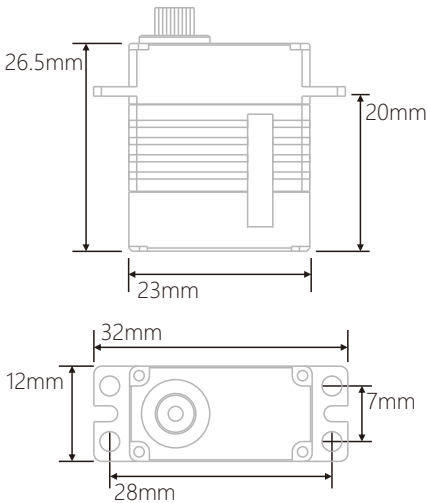


DX360-A

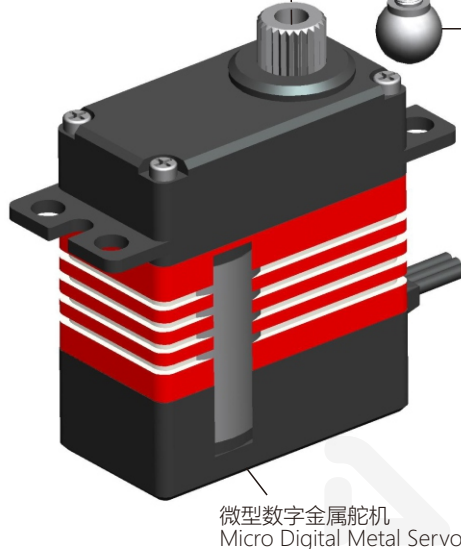
十字盘舵机 - 3
Swashplate Servos - 3
Chapter 3



建议使用扭力 3Kg*cm 以上舵机。
Recommend to use 3Kg*cm or higher torque servo.



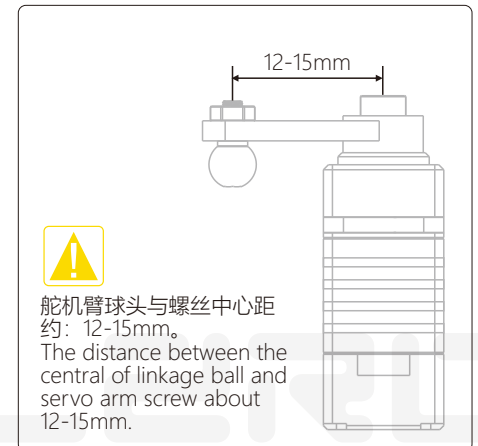
舵机尺寸参考
Reference Size for Servo



微型数字金属舵机
Micro Digital Metal Servo

禁止过度拧紧。
Do not over tighten.


球头 M2
Linkage Ball M2
Φ4.70x9.0mm

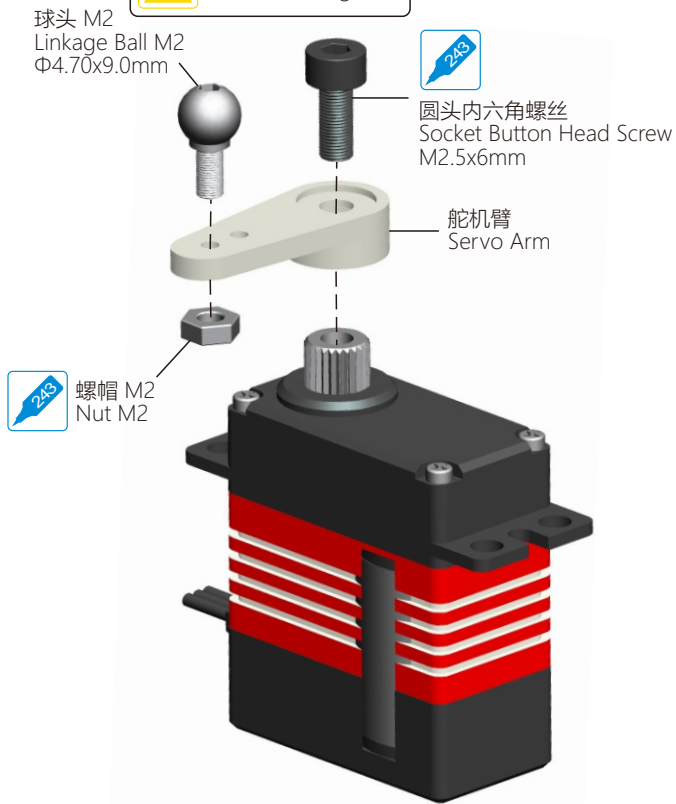


舵机臂球头与螺丝中心距约: 12-15mm。
The distance between the central of linkage ball and servo arm screw about 12-15mm.

DX360-A

十字盘舵机 - 1
Swashplate Servos - 1
Chapter 4

 禁止过度拧紧。
Do not over tighten.




DX360-A

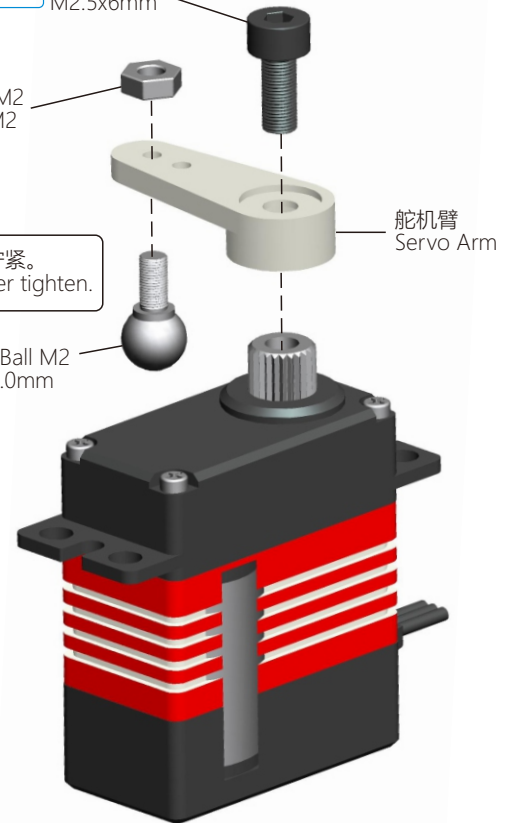
十字盘舵机 - 2
Swashplate Servos - 2
Chapter 5

 圆头内六角螺丝
Socket Button Head Screw
M2.5x6mm

 螺帽 M2
Nut M2


 禁止过度拧紧。
Do not over tighten.

球头 M2
Linkage Ball M2
Φ4.70x9.0mm

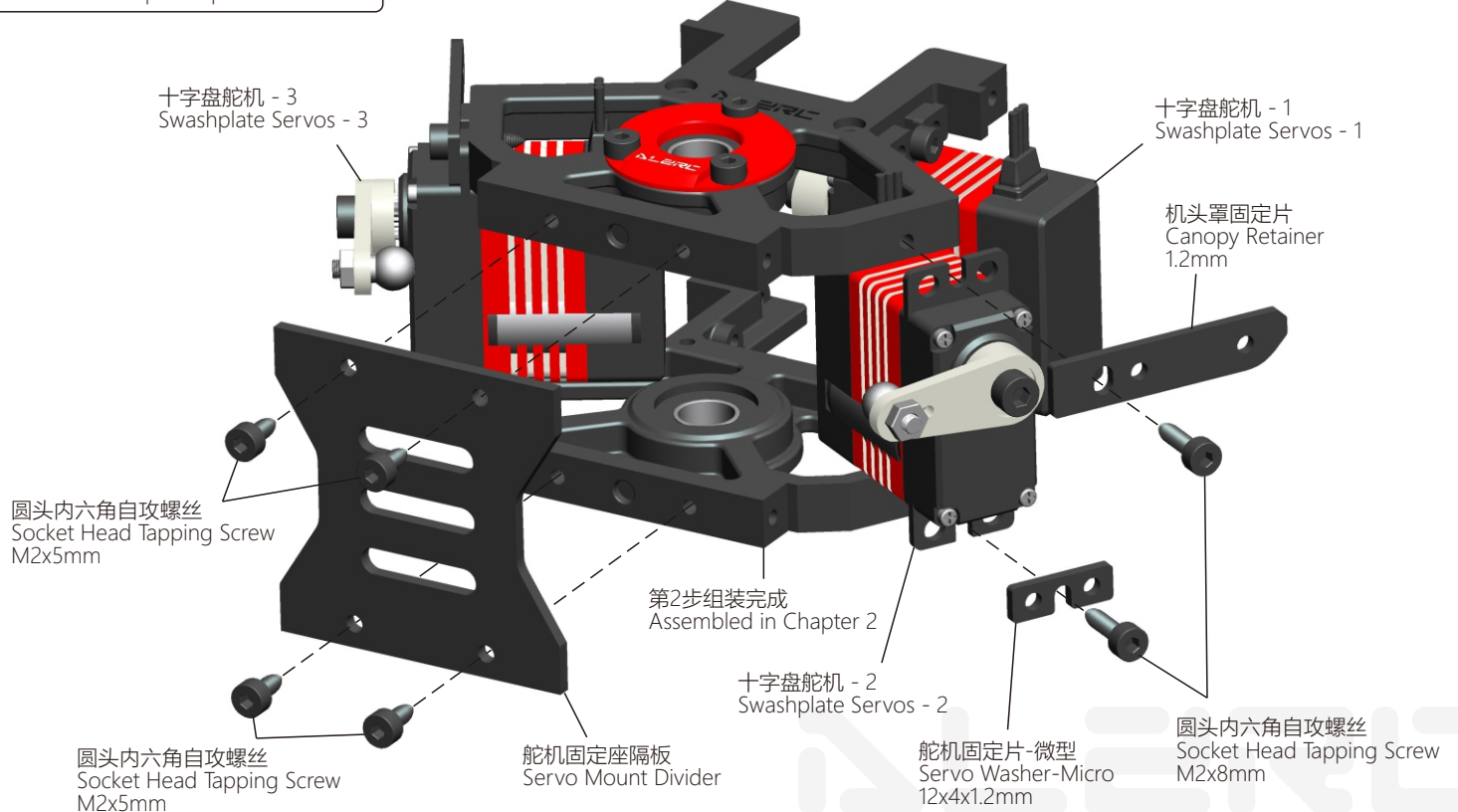


DX360-A

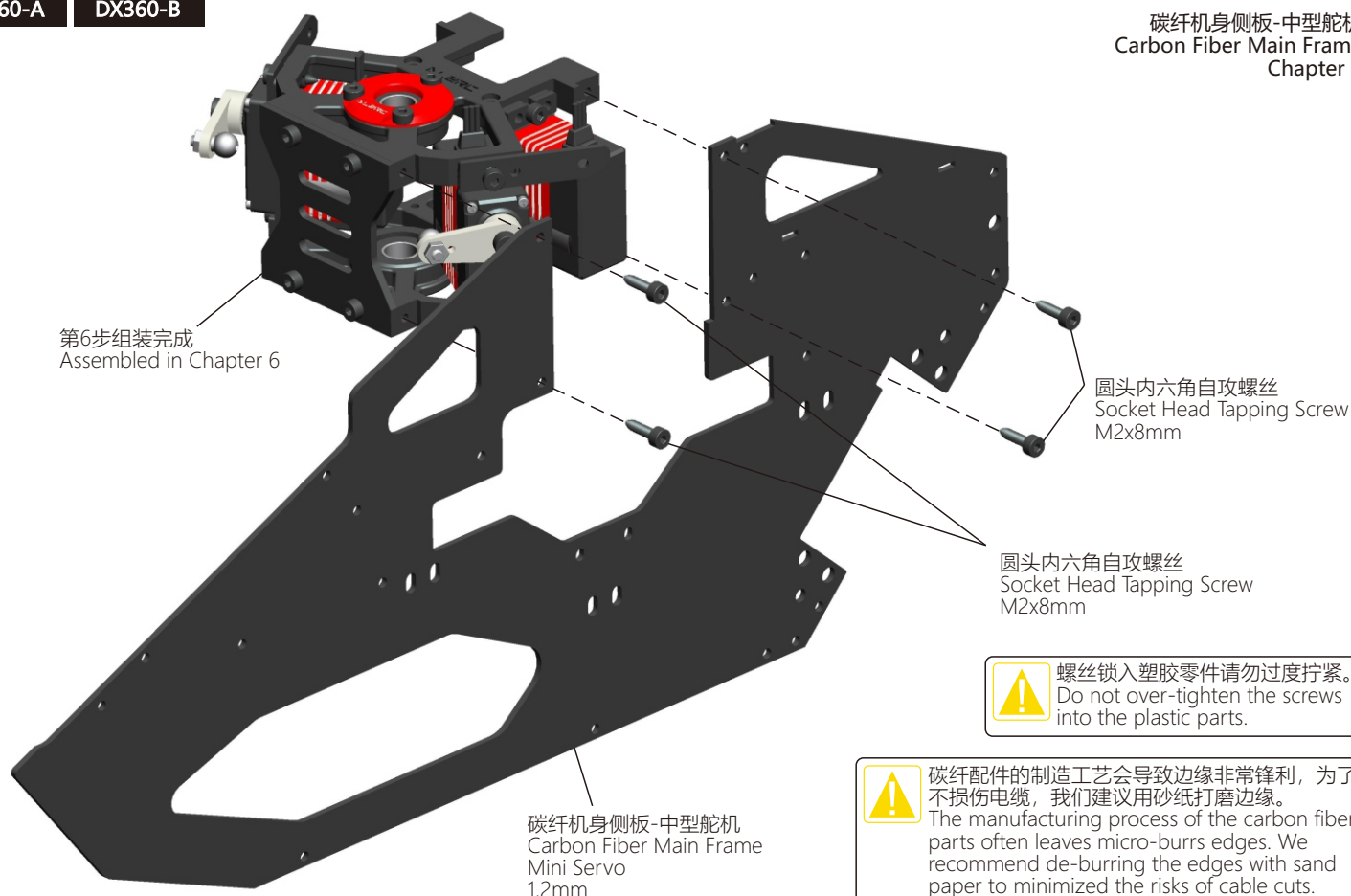
十字盘舵机安装
Installation of Swashplate Servos
Chapter 6

 螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws
into the plastic parts.

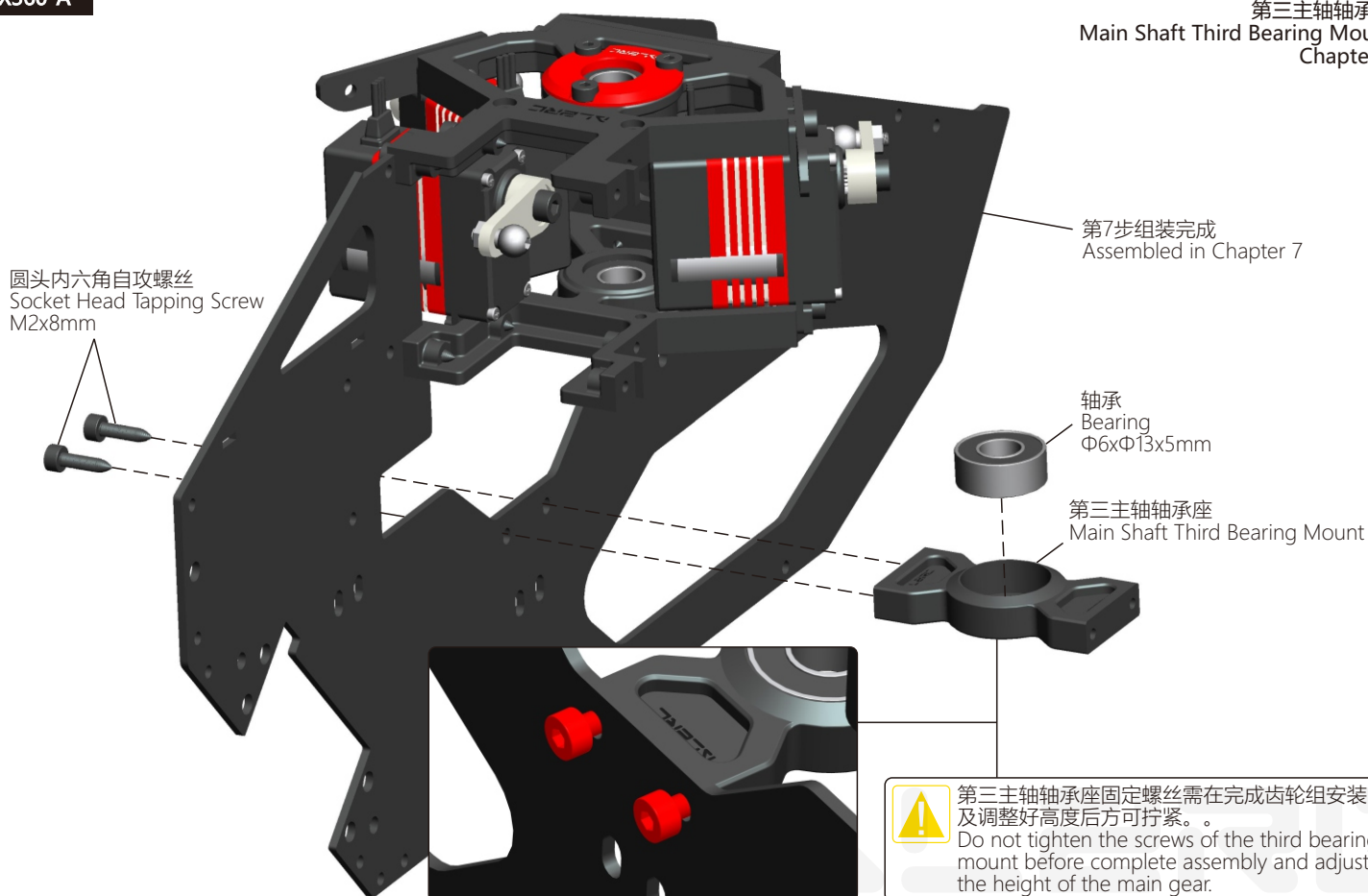
第1步组装完成
Assembled in Chapter 1



DX360-A DX360-B

碳纤维机身侧板-中型舵机
Carbon Fiber Main Frame
Chapter 7

DX360-A

第三主轴轴承座
Main Shaft Third Bearing Mount
Chapter 8

DX360-A

DX360-B

DX360-C

电池滑轨
Battery Slider
Chapter 9圆头内六角自攻螺丝
Socket Head Tapping Screw
M2x8mm圆头内六角自攻螺丝
Socket Head Tapping Screw
M2x8mm圆头内六角自攻螺丝
Socket Head Tapping Screw
M2x6mm碳纤维机身侧板-微型舵机
Carbon Fiber Main Frame
Micro Servo
1.2mm电池滑轨
Battery Slider第8步组装完成
Assembled in Chapter 8圆头内六角自攻螺丝
Socket Head Tapping Screw
M2x6mm螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws
into the plastic parts.

DX360-C

机身底板
Base Plate
Chapter 10圆头内六角自攻螺丝
Socket Head Tapping Screw
M2x6mm机身底板
Base Plate圆头内六角自攻螺丝
Socket Head Tapping Screw
M2x6mm第9步组装完成
Assembled in Chapter 9

90°

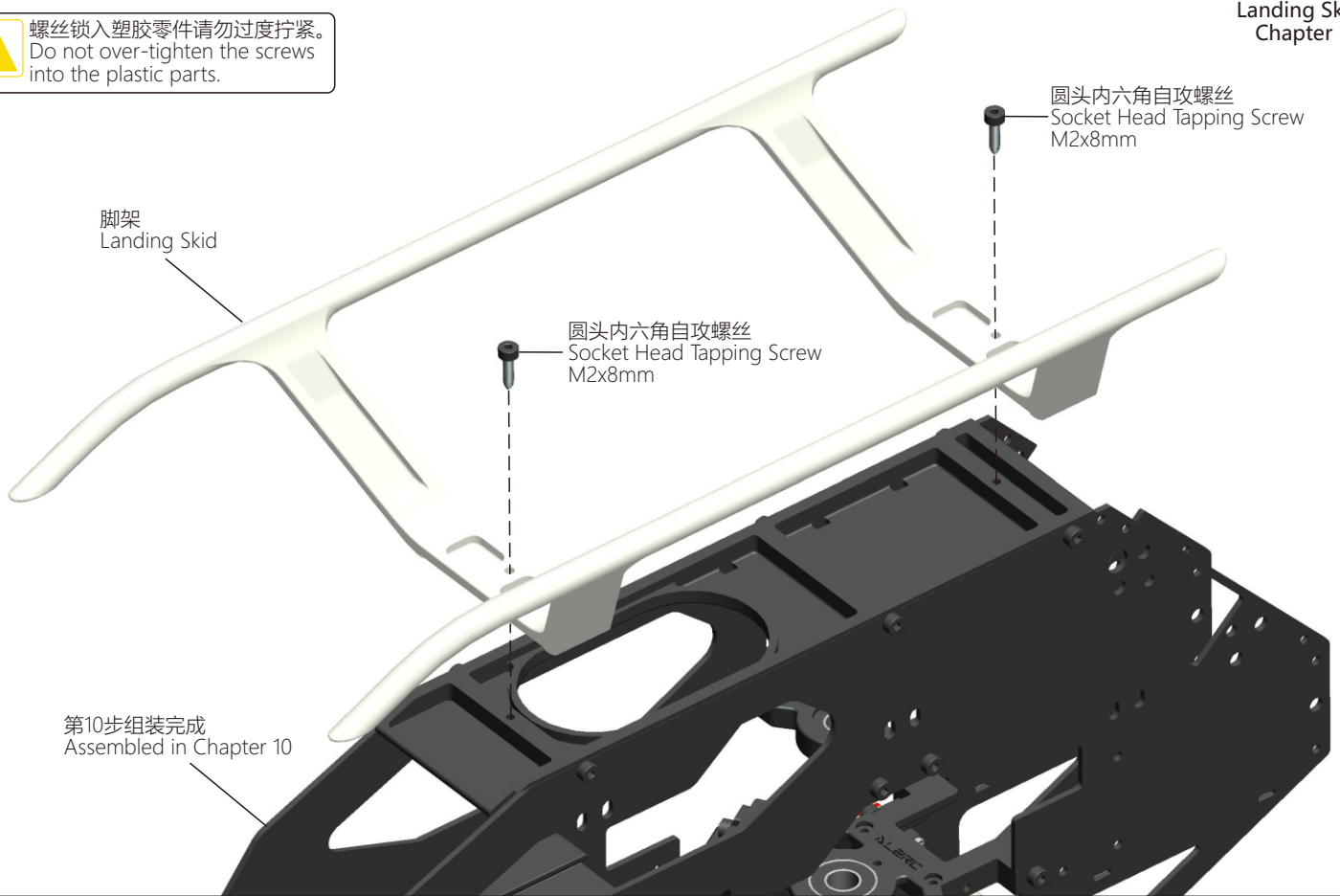
请确保机身与平面90°
Please make sure the fuselage is 90°
with the horizontal plane.螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws
into the plastic parts.

DX360-C

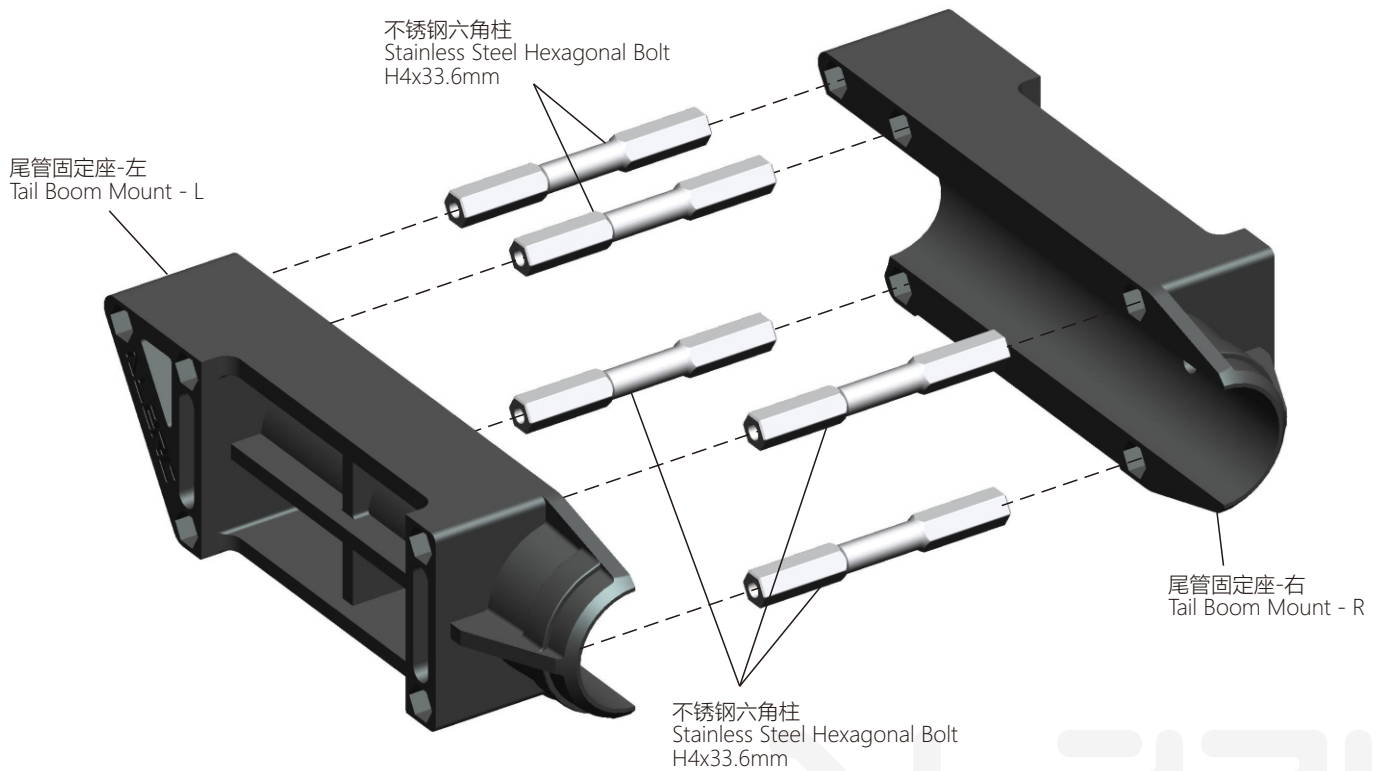
DX360-D

脚架
Landing Skid
Chapter 11

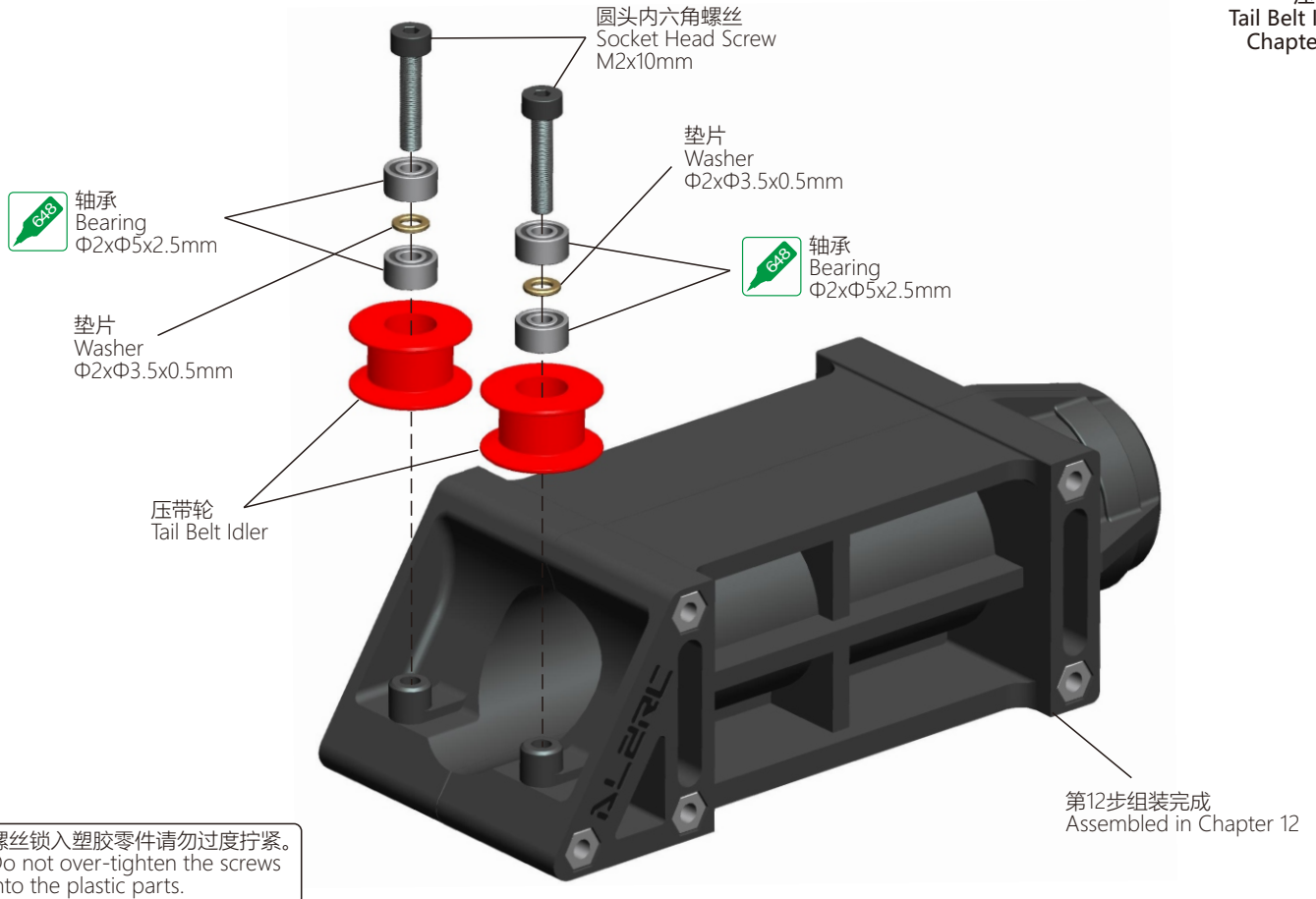
螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws
into the plastic parts.



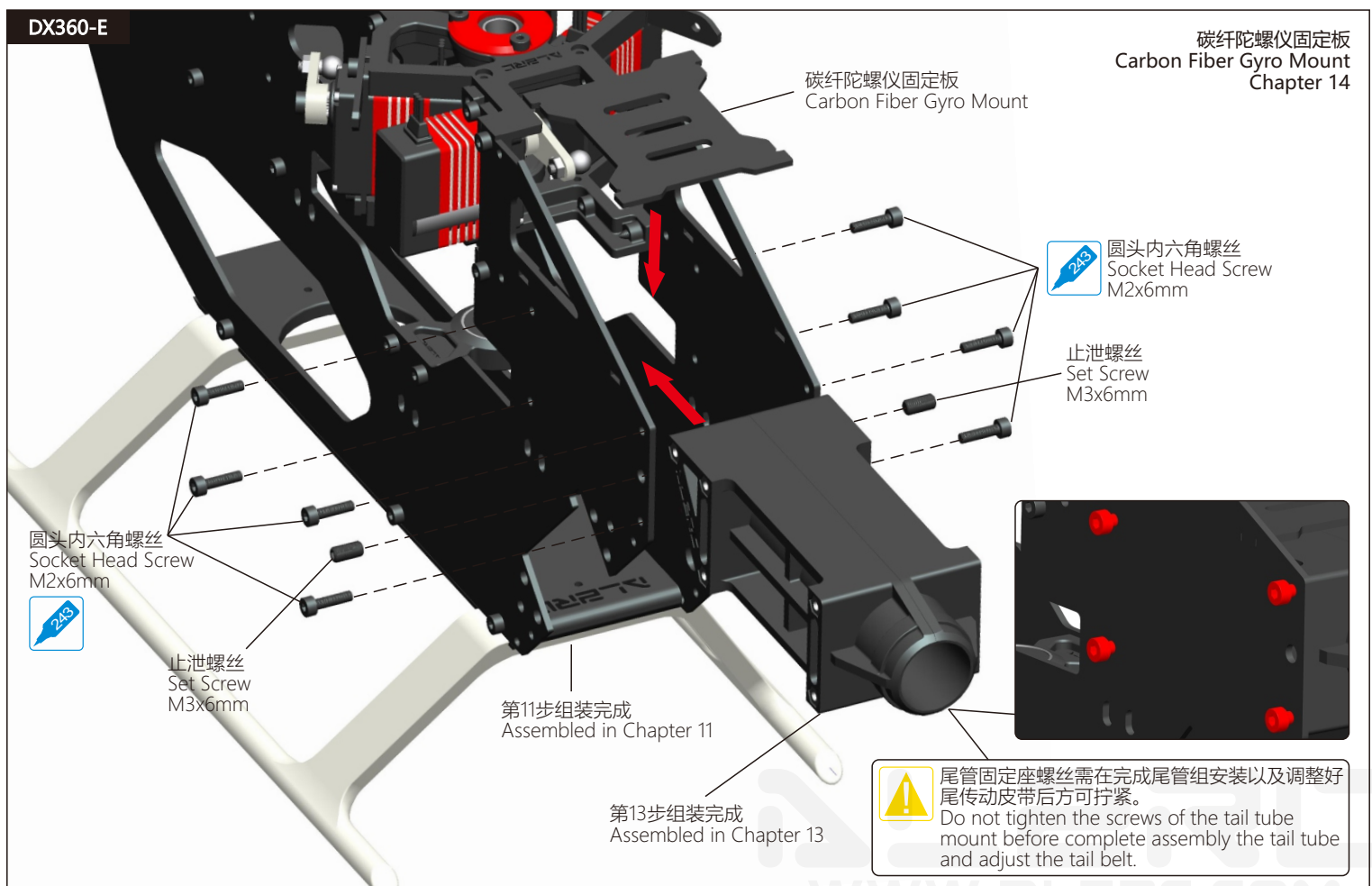
DX360-E

尾管固定座
Tail Boom Mount
Chapter 12

DX360-E

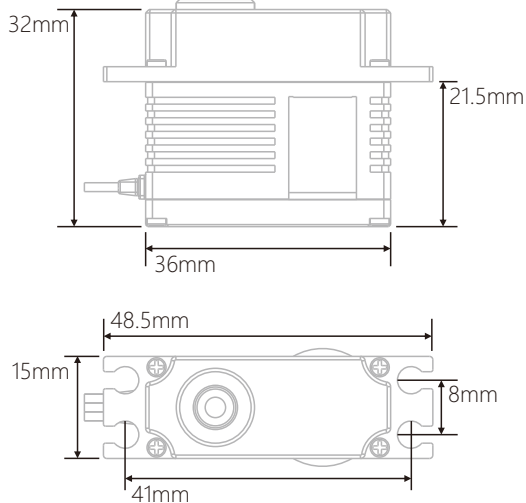
压带轮
Tail Belt Idler
Chapter 13

DX360-E

碳纤维陀螺仪固定板
Carbon Fiber Gyro Mount
Chapter 14

DX360-E

中型数字金属舵机
Medium Digital Metal Servo
Chapter 15



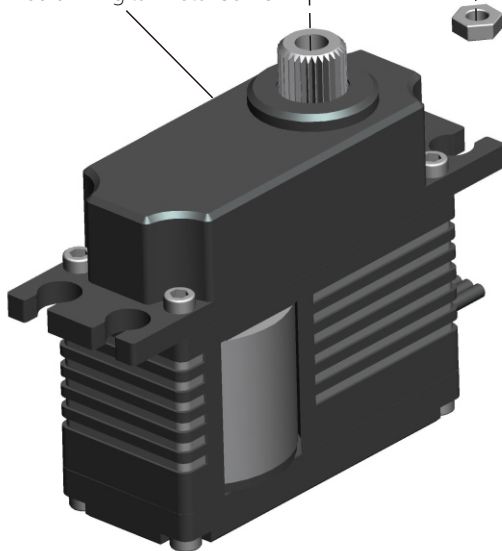
舵机尺寸参考
Reference Size for Servo

建议使用扭力 4Kg*cm 以上、
速度 0.06~0.04秒舵机。
Recommend to use above 4Kg*cm
torsion and with speed of 0.06~0.04s
servo.

圆头内六角螺丝
Socket Button Head Screw
M3x6mm



中型数字金属舵机
Medium Digital Metal Servo



球头 M2
Linkage Ball M2
Φ4.70x9.0mm

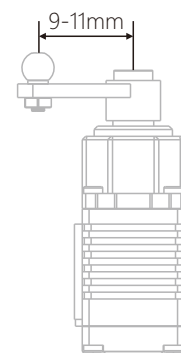


禁止过度拧紧。
Do not over tighten.

舵机臂
Servo Arm



螺帽 M2
Nut M2



舵机臂球头与螺丝中心距约：9-11mm。
The distance between the central of
linkage ball and servo arm screw
about 9-11mm.

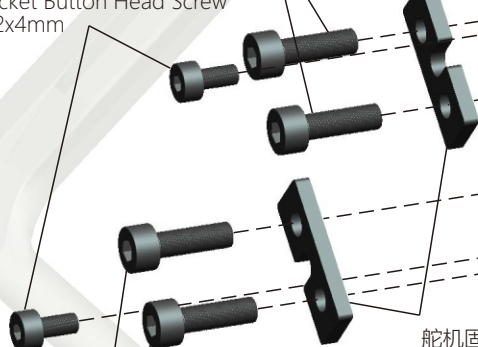
DX360-E

中型锁尾舵机安装
Installation of Medium Locked Rudder Servo
Chapter 16

第14步组装完成
Assembled in Chapter 14

圆头内六角螺丝
Socket Button Head Screw
M2.5x8mm

圆头内六角螺丝
Socket Button Head Screw
M2x4mm



舵机固定片-中型
Servo Washer-Medium
15x6x1.2mm

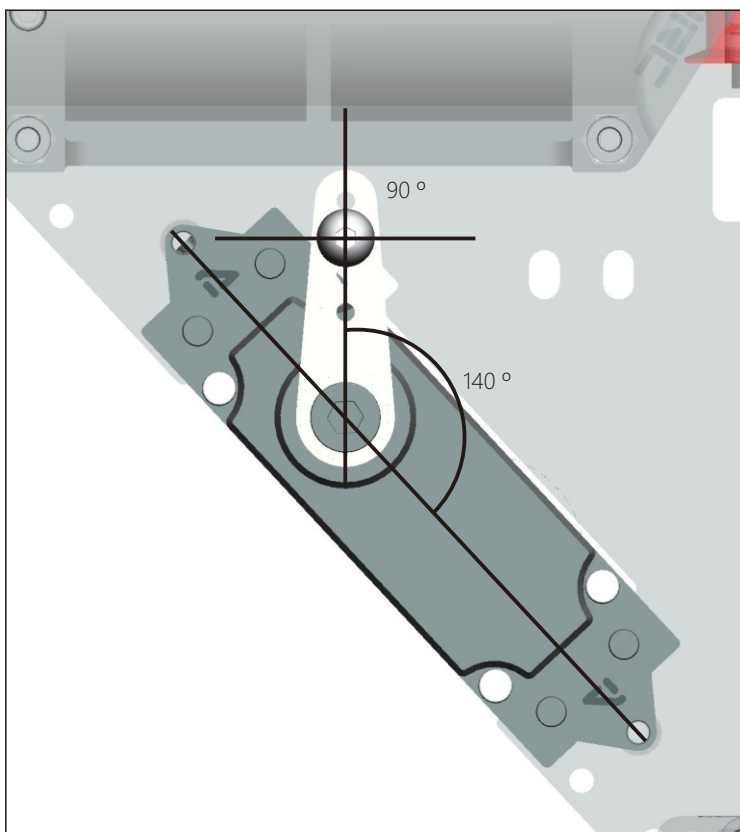
圆头内六角螺丝
Socket Button Head Screw
M2.5x8mm

第15步组装完成
Assembled in Chapter 15

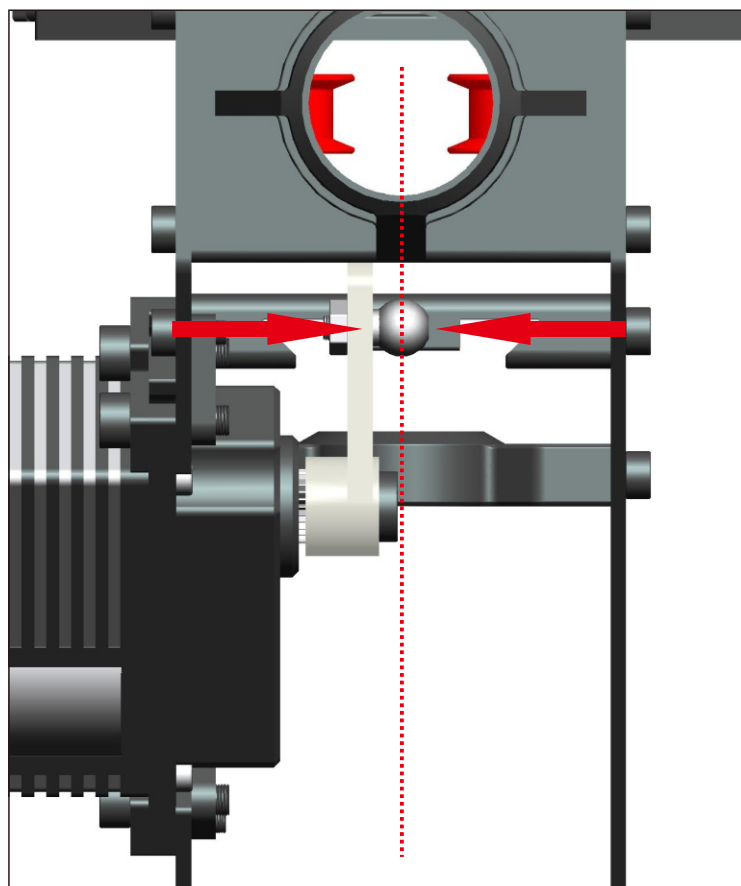
舵机固定片
Servo Mount Washer



螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws
into the plastic parts.



锁尾舵机臂及球头与机身水平垂直，舵机与舵机臂成140°角，如图！
The locked rudder servo arm and linkage ball perpendicular to the fuselage level, servo arm and servo with 140° angle, as the figure shows.

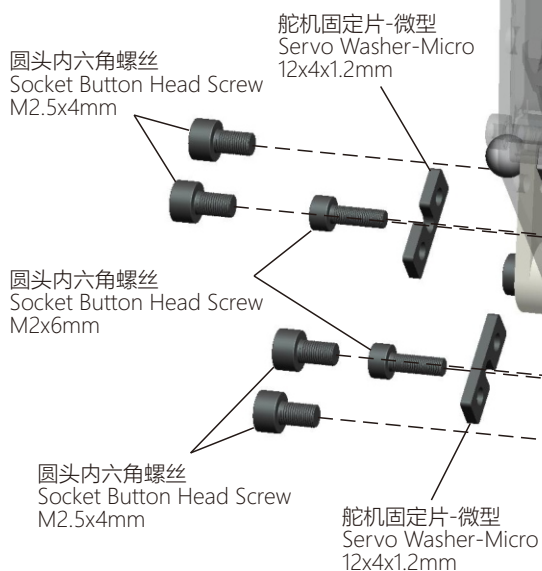


球头中心位于尾管中心垂线上为最佳位置！如图！
The best position is the center of linkage ball on the center vertical line of the tail tube, as the figure shows.

DX360-E

微型锁尾舵机安装

Installation of Micro Locked Rudder Servo



舵机固定片
Servo Mount Washer

第14步组装完成
Assembled in Chapter 14

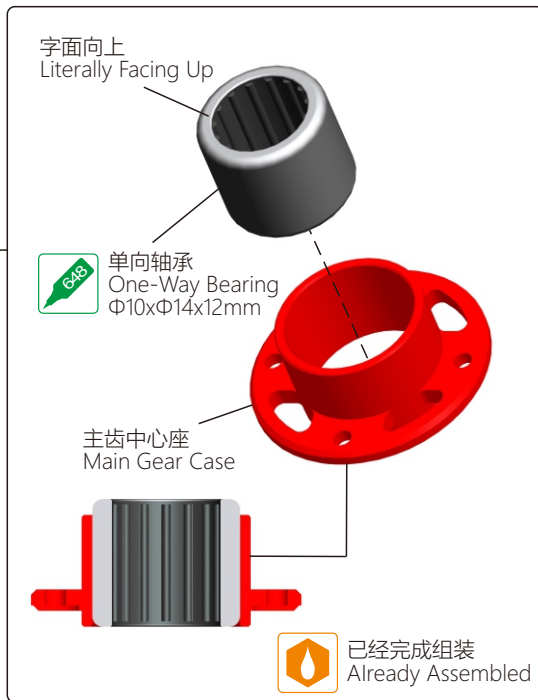
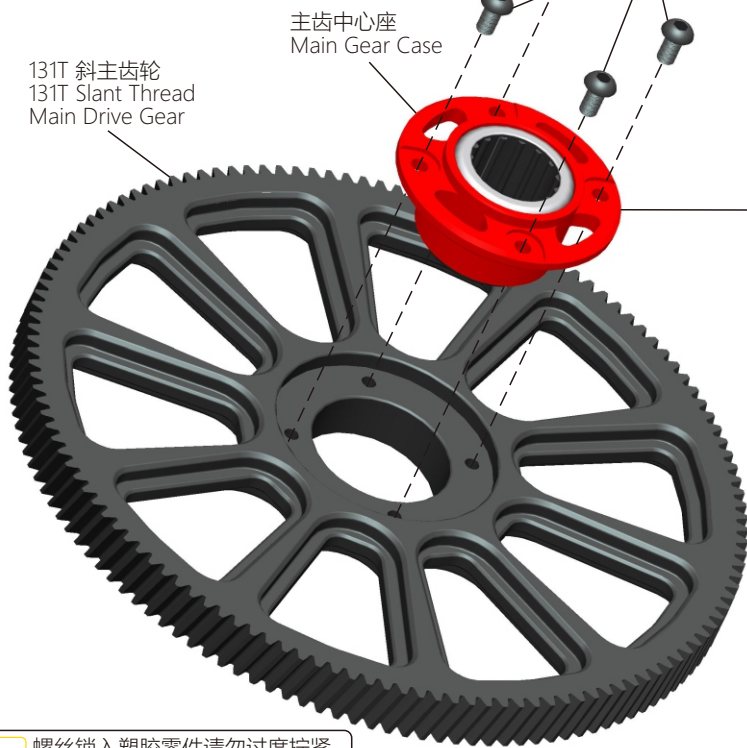


螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws
into the plastic parts.

DX360-F

半圆头内六角螺丝
Socket Button Head Collar Screw
M2x4mm

131T 斜主齿轮
131T Slant Thread Main Drive Gear
Chapter 17



螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.

出厂零件包装如果是已组装机，请务必确认各部件是否锁紧上胶。
For original manufactory package, If the product is already assembled by factory, please check again if parts are firmly secured and applied with some glue.

DX360-F

上齿盘固定座
Front Tail Pulley Hub

上齿盘固定座
Front Tail Pulley Hub
Chapter 18

逆牙方向锁入
Tighten it with invers thread direction



使用高强度缺氧胶，并确保锁入最底，建议静摆24小时后再进行组装飞行。
Use high strength hypoxic glue, and make sure it was locked to the end of thread. It is recommended to leave for 24 hours before assembling on the fuselage.

单向轴承套
One-way Bearing Sleeve

装配时请特别注意，要确保两个零件水平后锁入，避免伤及零件螺纹。
Attention: to avoid damage the thread, please ensure that both parts are locked horizontally when assembling it.

DX360-F

平头内六角螺丝
Socket Flat Head Screw
M2x4mm

前尾驱动皮带轮
Front Tail Pulley
Chapter 19



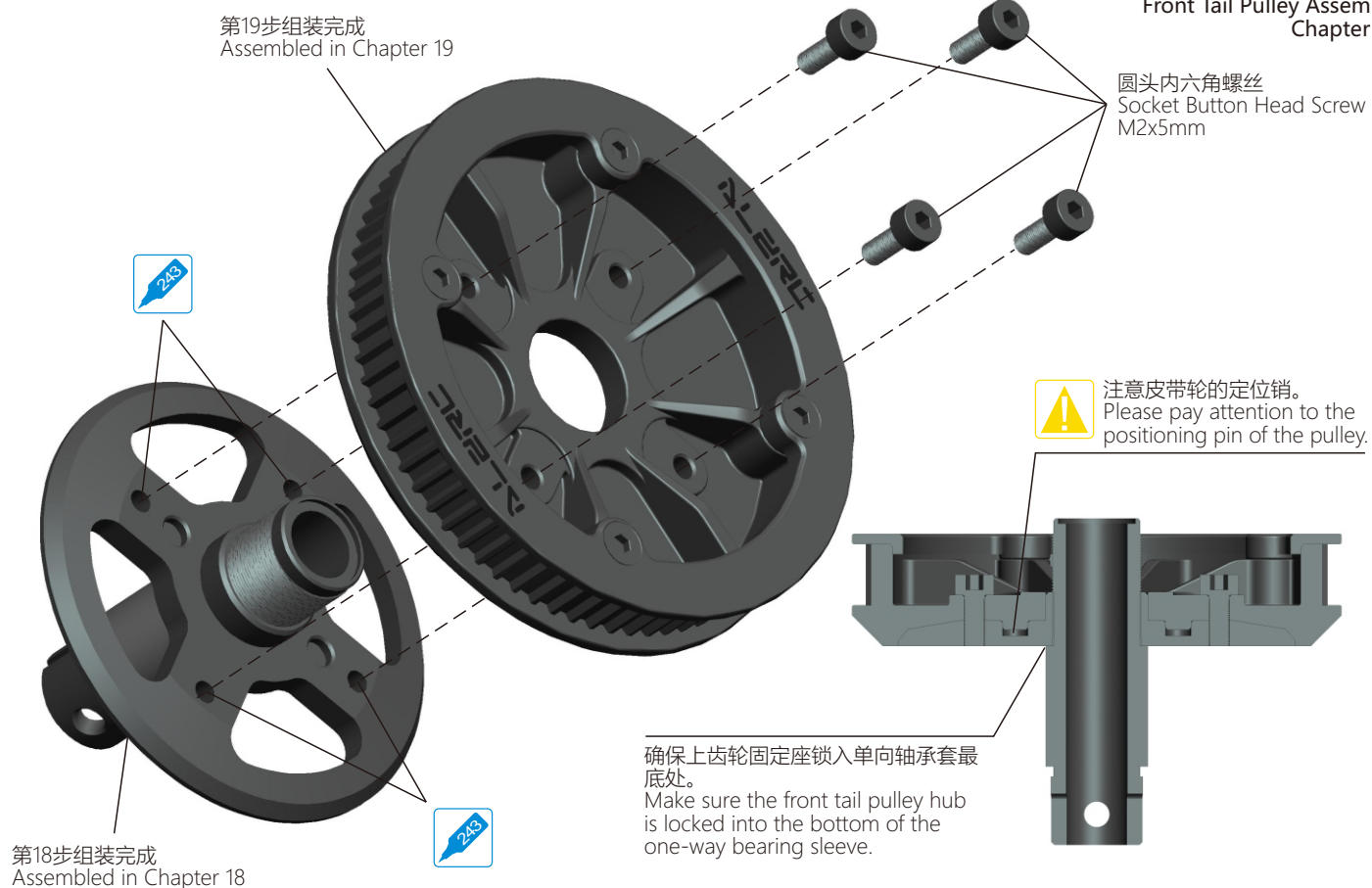
前尾驱动皮带轮零件
Front Tail Pulley Parts

前尾驱动皮带轮
Front Tail Pulley

螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.

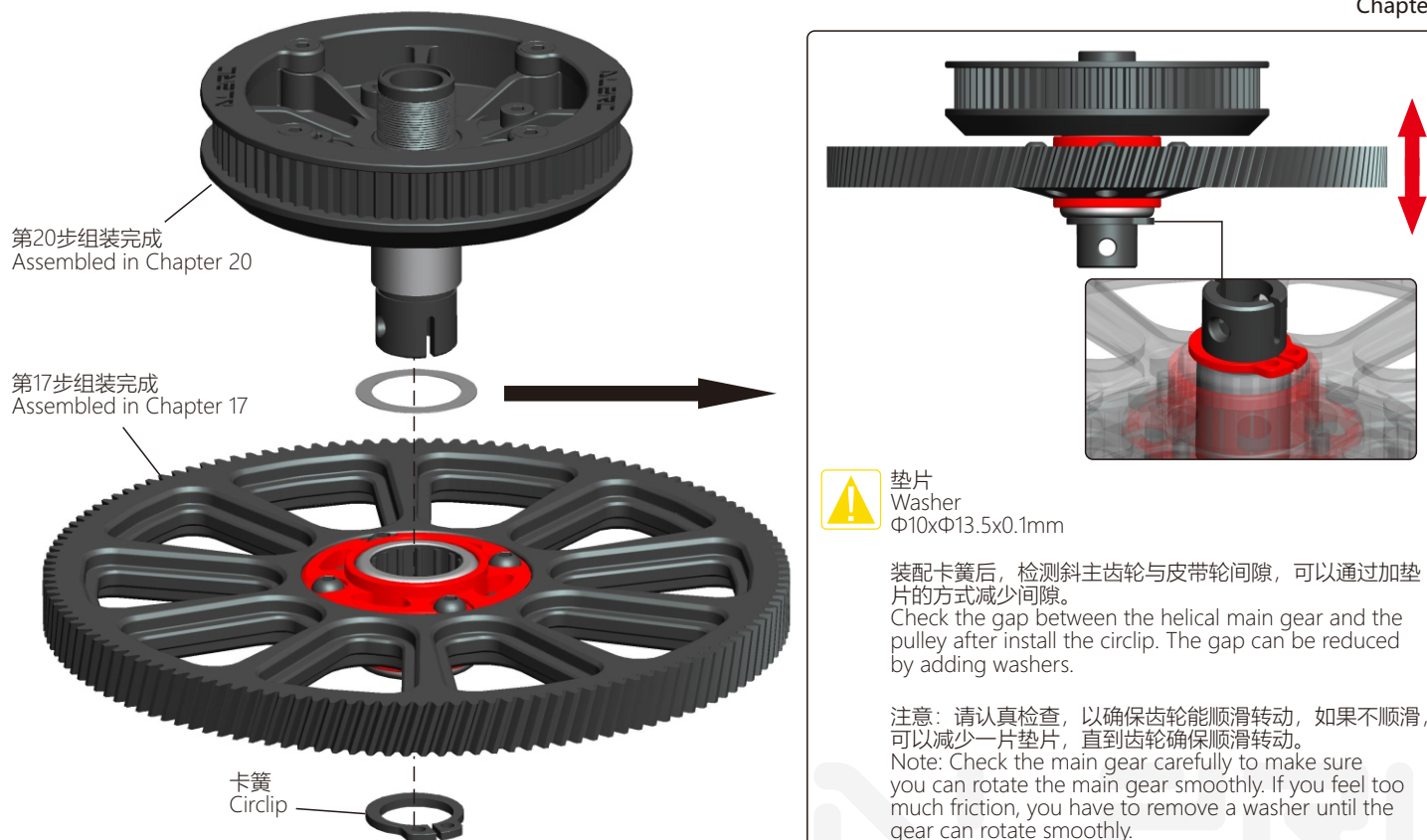
DX360-F

前尾驱动皮带轮组
Front Tail Pulley Assembly
Chapter 20



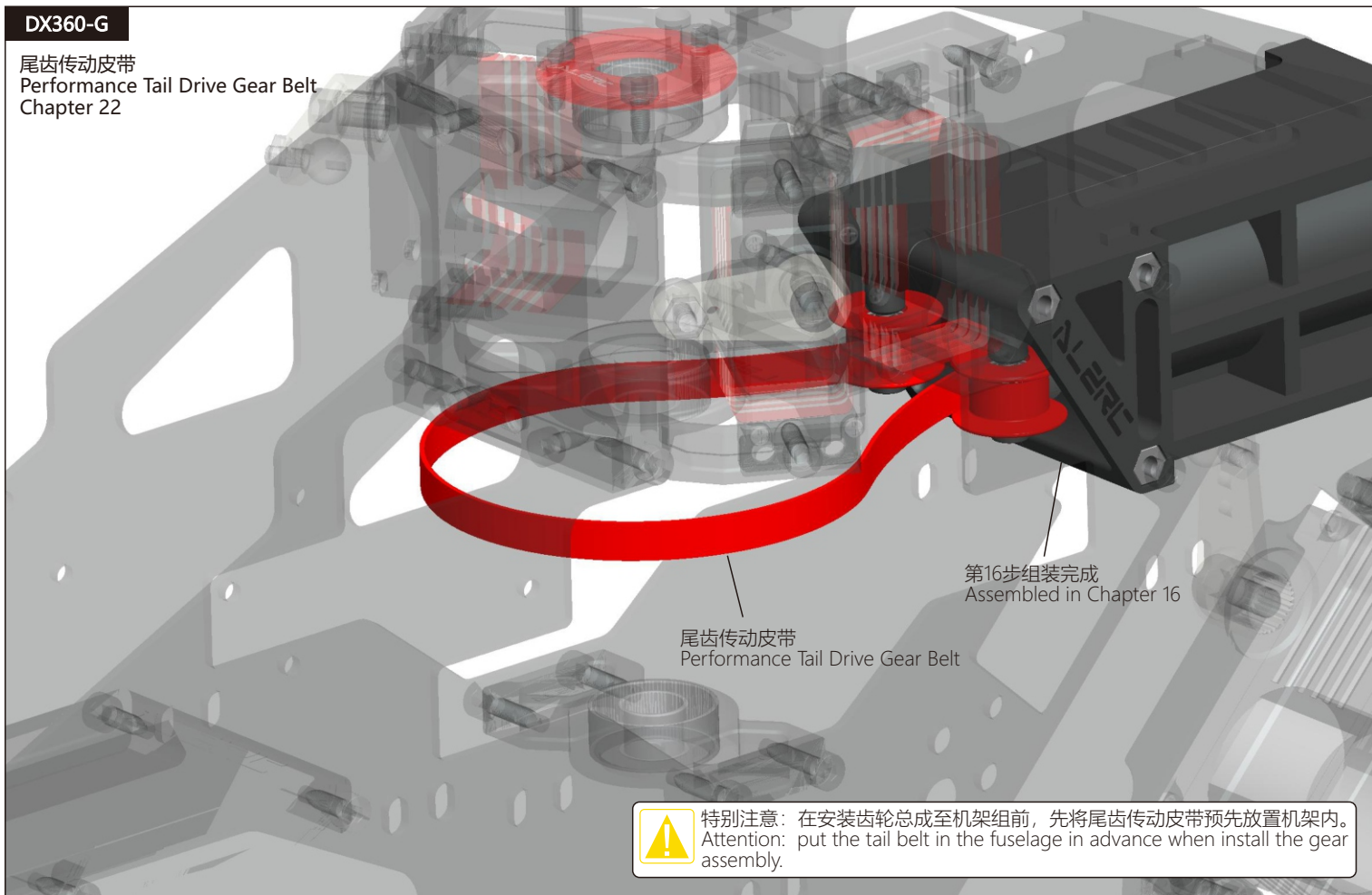
DX360-F

齿轮总成
Gear Assembly
Chapter 21



DX360-G

尾齿传动皮带
Performance Tail Drive Gear Belt
Chapter 22



DX360-F

齿轮总成安装
Installation of Gear Assembly
Chapter 23

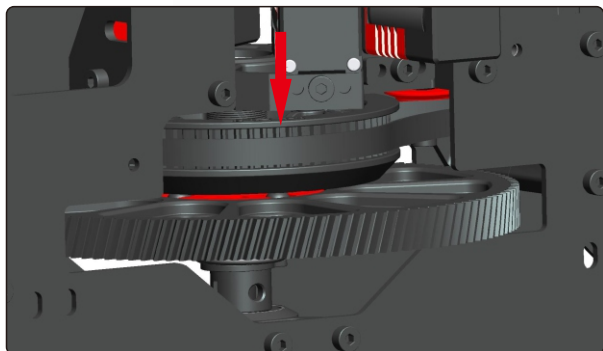
第22步组装完成
Assembled in Chapter 22

垫片
Washer
Φ6xΦ7.6x0.5mm

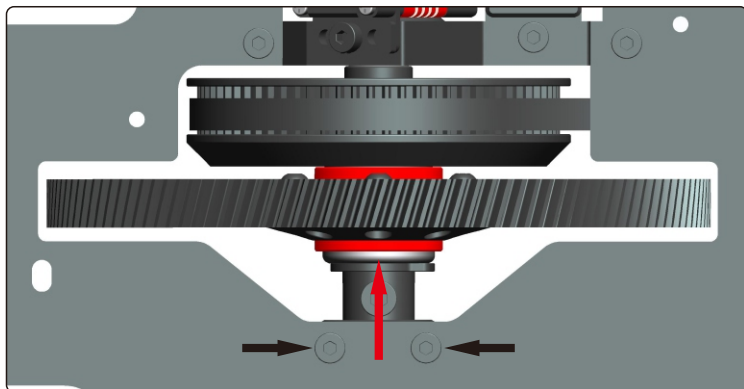
垫片
Washer
Φ6xΦ7.6x0.1mm

第21步组装完成
Assembled in Chapter 21

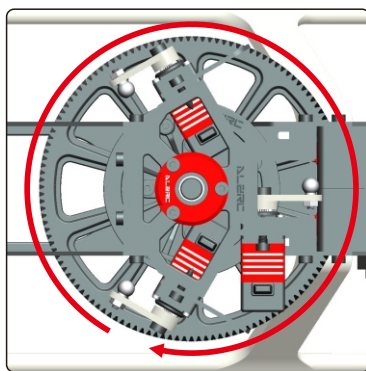
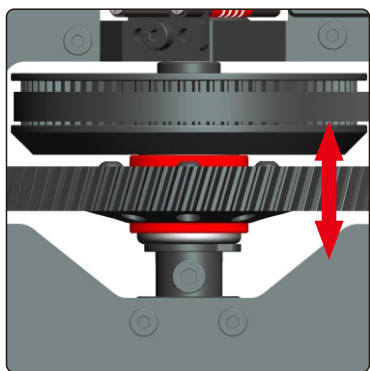
安装后示意图
Finished Installation Sketch



DX360-G

主轴
Main Shaft
Chapter 24

安装好主轴后，第三主轴轴承座向上压紧，在确保齿轮总成顺滑转动后，拧紧轴承座四颗螺丝。
After installed the main shaft, pressed up the third bearing mount. Tighten the four screws of the mount after ensure the gear assembly can turns smoothly.



检查齿轮总成与机身组的上下间隙。
Check the gap between the gear assembly and fuselage.

旋转主轴，检查确保齿轮总成顺滑转动。
Rotate the main shaft to make sure the gear assembly can rotate smoothly.

防松螺帽
Locking Nut
M2.5

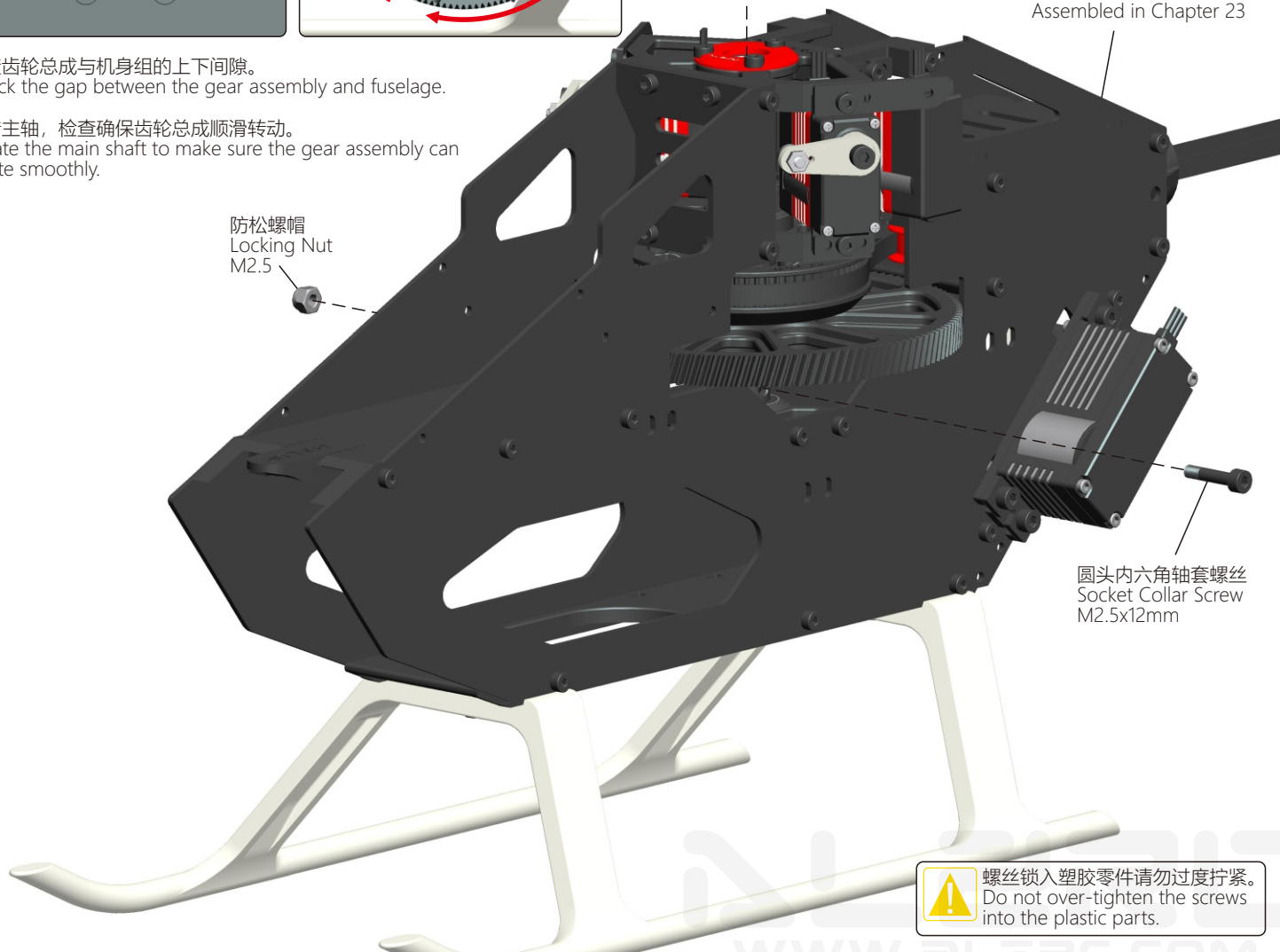


主轴
Main Shaft
Φ6x125mm



凹孔面朝下。
Concave face down.

第23步组装完成
Assembled in Chapter 23



圆头内六角轴套螺丝
Socket Collar Screw
M2.5x12mm



螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.

DX360-G

7075 铝制马达齿轮
7075 Aluminium Motor Gear

马达固定座
Motor Mount
Chapter 25

圆头内六角螺丝
Socket Head Screw
M2.5x6mm

止泄螺丝
Set Screw
M3x3mm

垫片
Washer
Φ2.5xΦ5.8x0.5mm

垫片
Washer
Φ2.5xΦ5.8x0.5mm

ALZRC - 无刷马达
ALZRC - Brushless Motor
2525 - 1800KV

马达固定座
Motor Mount



未调整电机齿与斜主齿轮间隙之前，请勿拧紧螺丝。
Do not tighten the screws before adjusting the gap between motor gear and main gear.

DX360-G

马达固定座安装
Installation of Motor Mount
Chapter 26

第25步组装完成
Assembled in Chapter 25



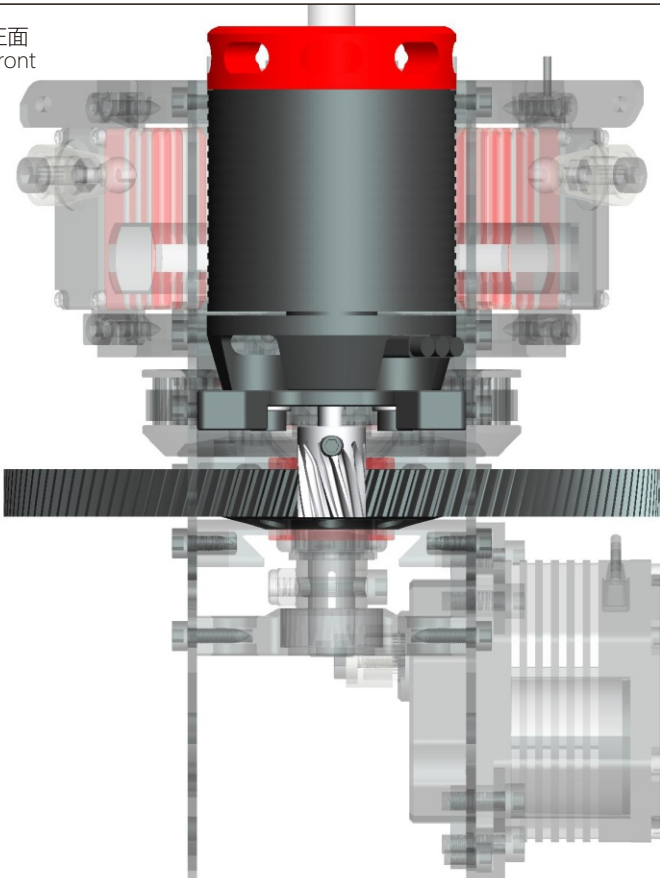
圆头内六角螺丝
Socket Head Screw
M2x5mm



圆头内六角螺丝
Socket Head Screw
M2x5mm

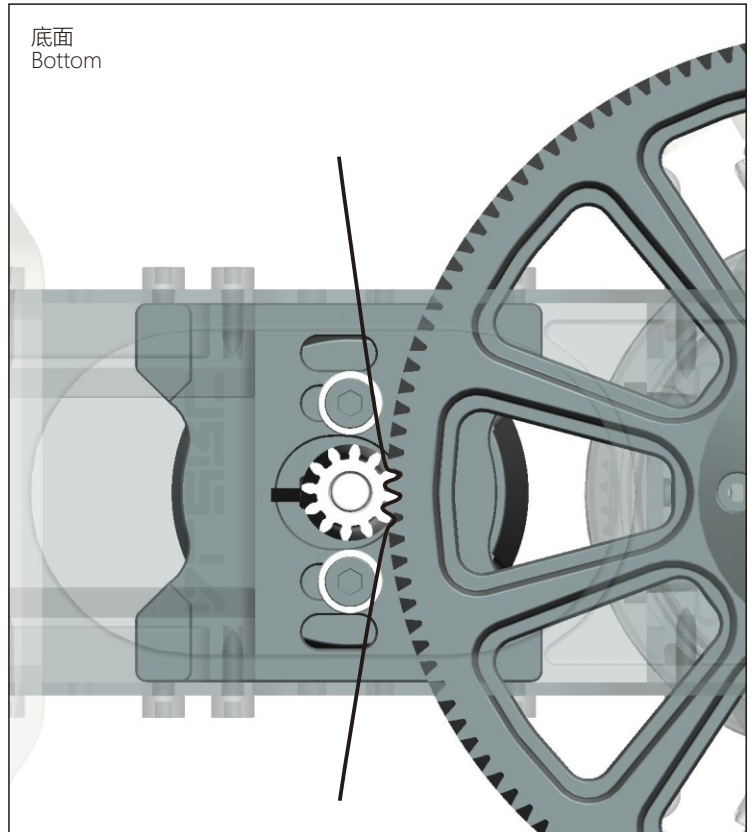
第24步组装完成
Assembled in Chapter 24

正面
Front



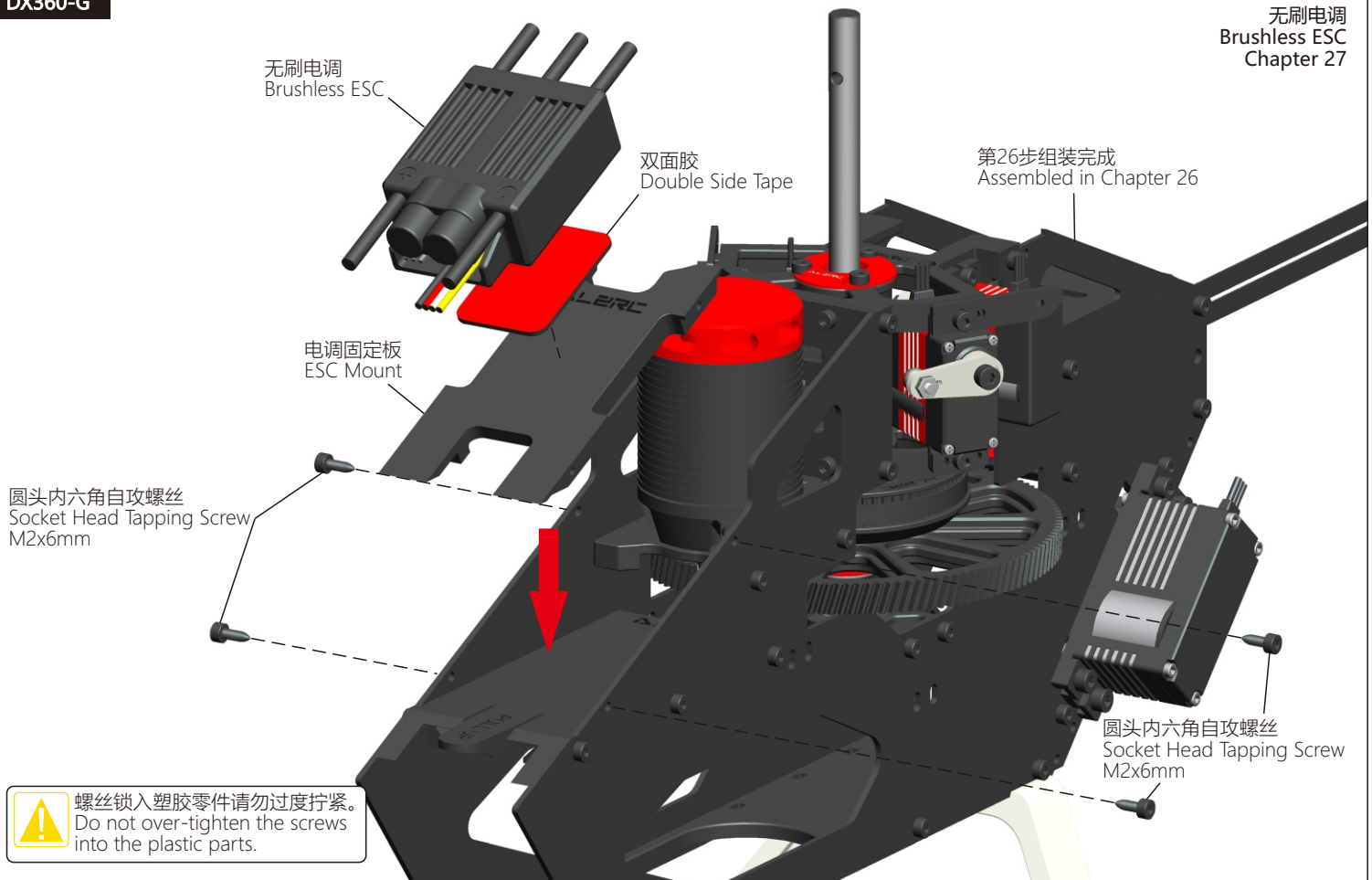
安装完成后确认马达齿轮与斜主齿轮持平，如图！
After installation, make sure the motor gear and the main gear is on a same line, as the figure shows.

底面
Bottom



通过底板孔位可以直接调节马达螺丝，使用一张纸滚入齿轮间，可调节齿轮间隙为0.1mm。
It can be adjusted the motor screws through the hole of bottom plate. A strip of paper is used to roll into the gears to adjust the gear's gap to 0.1mm.

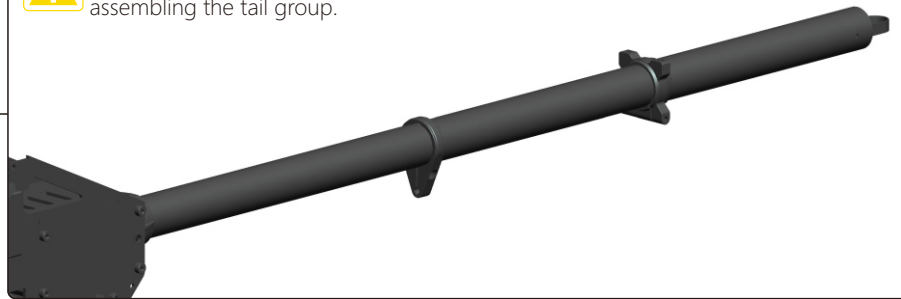
DX360-G

无刷电调
Brushless ESC
Chapter 27

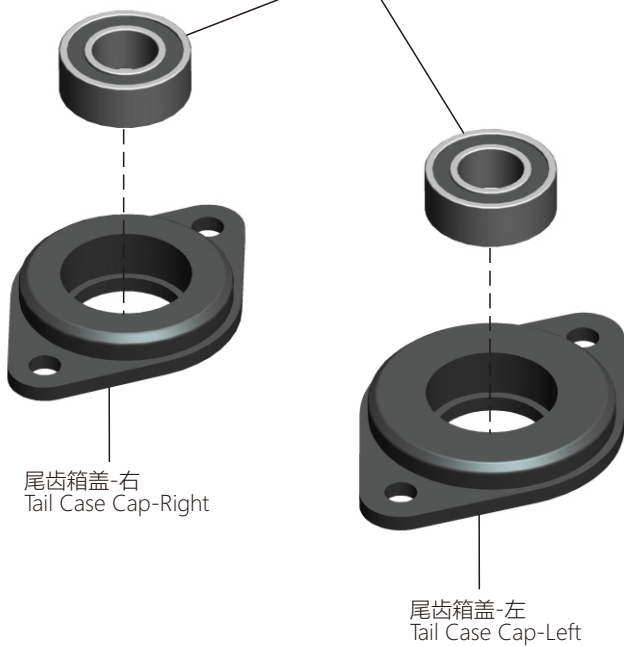
DX360-H

尾管-皮带版
Tail Boom-Belt Version
Chapter 28

DX360-I

尾拉杆固定座 / 水平翼固定座
Tail Control Guide / Stabilizer Mount
Chapter 29第28步组装完成
Assembled in Chapter 28尾拉杆固定座
Tail Control Guide水平翼固定座
Stabilizer Mount先将尾拉杆固定座和水平翼固定座套入尾管后再进行尾齿箱安装。
Put the tail control guide and stabilizer mount into the tail boom first before assembling the tail group.

DX360-J

尾齿箱盖
Tail Case Cap
Chapter 30轴承
Bearing
 $\Phi 4 \times \Phi 8 \times 3 \text{mm}$ 

DX360-J

尾齿箱
Tail Case
Chapter 31尾齿箱
Tail Case Cap尾齿箱盖-右
Tail Case Cap-Right第30步组装完成
Assembled in Chapter 30半圆头内六角螺丝
Socket Button Head Collar Screw
M2x4mm螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws
into the plastic parts.

DX360-J

尾齿箱安装
Installation of Tail Case
Chapter 32

第31步组装完成
Assembled in Chapter 31

第29步组装完成
Assembled in Chapter 29

垫片
Washer
Φ2xΦ4.5x0.5mm

圆头内六角自攻螺丝
Socket Head Tapping Screw
M2x5mm

将尾齿传动皮带穿过尾齿箱，如图！
Pass the belt through the tail case, as the figure shown!

螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.

DX360-J

尾旋翼主轴
Tail Rotor Shaft
Chapter 33

第32步组装完成
Assembled in Chapter 32

第30步组装完成
Assembled in Chapter 30

尾旋翼主轴
Tail Rotor Shaft
Φ4x47.6mm

垫片
Washer
Φ4xΦ6x0.1mm

尾齿箱盖-左
Tail Case Cap-Left

检测尾旋翼主轴与尾齿箱间隙，可以通过加垫片的方式减少间隙。
Check the gap between the tail shaft and the tail case, the gap can be reduced by adding washers.

注意：请认真检查，以确保齿轮能顺滑转动，如果不顺滑，可以减少一片垫片，直到齿轮确保顺滑转动。
Note: Check the tail pulley carefully to make sure you can rotate it smoothly. If you feel too much friction, you have to remove a washer until the it can rotate smoothly.

半圆头内六角螺丝
Socket Button Head Collar Screw
M2x4mm

尾旋翼主轴
Tail Rotor Shaft
Φ4x47.6mm

插销
Bolt
Φ1.5x10.5mm

尾皮带轮零件
Tail Pulley Parts

尾皮带轮
Tail Pulley

止泄螺丝
Set Screw
M2x4mm

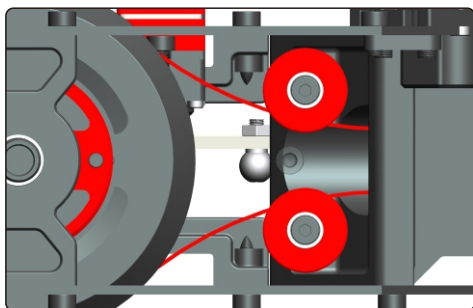
已经完成组装
Already Assembled

螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.

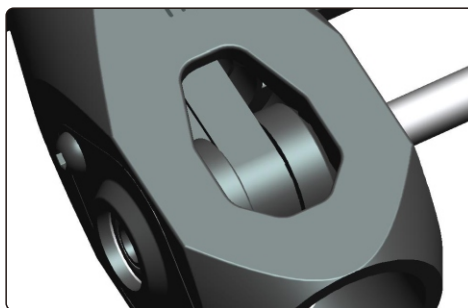
出厂零件包装如果是已组装机，请务必确认各部件是否锁紧上胶。
For original manufactory package, If the product is already assembled by factory, please check again if parts are firmly secured and applied with some glue.

DX360-J

尾齿箱安装
Installation of Tail Case
Chapter 34



确保尾齿传动皮带与压带轮为安装正确!
Ensure that the tail belt and belt idler are installed correctly!

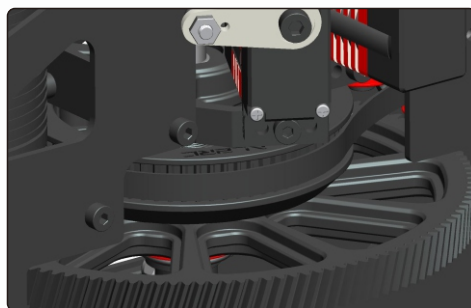


确保尾齿传动皮带与尾旋翼主轴为安装正确!
Ensure that the tail belt and tail main shaft are installed correctly!

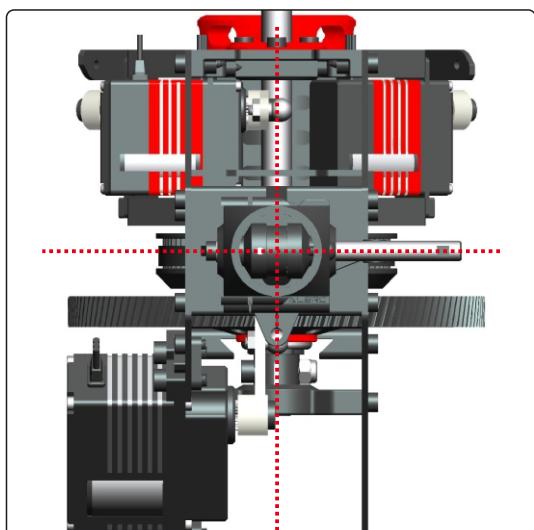
第33步组装完成
Assembled in Chapter 33



皮带安装正确后，尾传动总成往后拉紧，拧紧尾管固定座所有螺丝，注意：尾传动皮带必须非常紧。
After the belt is installed correctly, pull back the tail drive assembly and tighten all the screws. Note: the Tail belt must be very tight.



确保尾齿传动皮带与前尾驱动皮带轮为安装正确!
Ensure that the tail belt and the front tail pulley are installed correctly!



逆时针
Anti-clockwise

顺时针
Clockwise

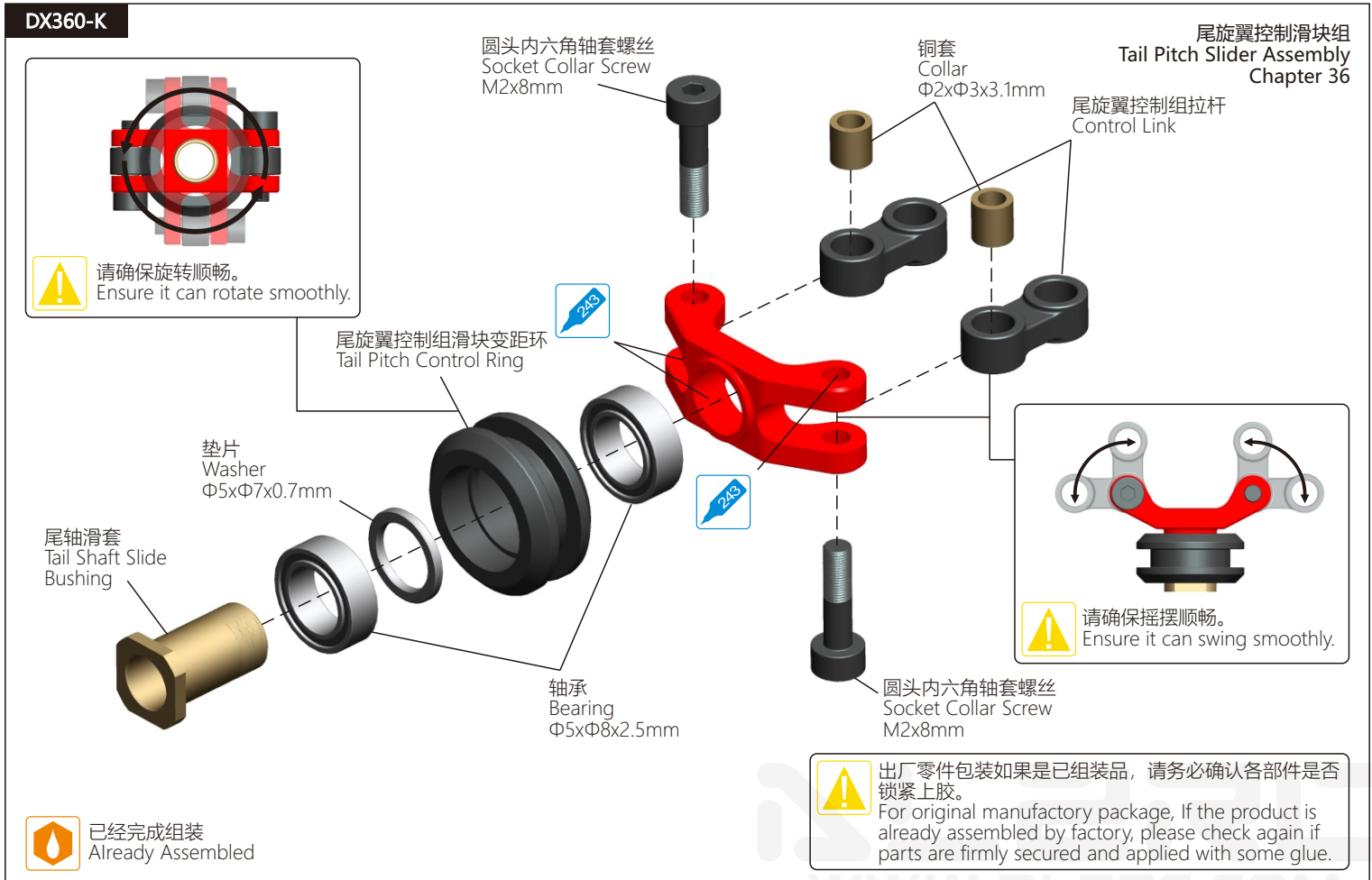


拧紧螺丝后，检查尾齿箱是否与机身水平。
After tightening the screw, check whether the tail case is level with the fuselage.

皮带放入前皮带轮后，拉紧尾传动总成，用手转动马达，检查皮带是否正确安装。
After put the belt into the front pulley, tighten the tail system and rotate the motor with hand, to check whether the belt is installed correctly.



螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.



DX360-K

尾旋翼夹座组
Tail Rotor Holder Assembly
Chapter 37

尾旋翼夹座
Tail Rotor Holder

尾旋翼T型座
Tail Rotor Hub

轴承
Bearing
Φ3xΦ6x2.5mm

尾旋翼夹座
Tail Rotor Holder

推力轴承
Thrust Bearing
Φ3xΦ6x2.8mm

垫片
Washer
Φ3xΦ4.6x0.6mm

轴承
Bearing
Φ3xΦ6x2.5mm

圆头内六角螺丝
Socket Head Screw
M2x6mm

凹槽面朝内
The Groove Faces Inward.

内孔较大在里面
Larger ID Inside

定期检查更换。
Periodic inspection and replacement.

已经完成组装
Already Assembled

组装时，确保尾夹座顺滑，些微干涉将可能导致飞行时尾动作不顺畅。
Care must be taken during assembly to ensure tail grips operate smoothly without binding. Any slight binding may affect tail action during flight.

出厂零件包装如果是已组成品，请务必确认各部件是否锁紧上胶。
For original manufactory package, If the product is already assembled by factory, please check again if parts are firmly secured and applied with some glue.

适当拧紧螺丝，不可硬拧以避免螺丝受损，影响飞行安全性。
Tighten the screws properly. Do not over-tighten and damage the screws or it will affect flight safety.

DX360-K

尾旋翼组
Tail Rotor Assembly
Chapter 38

圆头内六角轴套螺丝
Socket Collar Screw
M2x8mm

止泄螺丝
Set Screw
M3x3mm

铜套
Collar
Φ2xΦ3x3.1mm

第37步组装完成
Assembled in Chapter 37

止泄螺丝 M3x3mm 固定点。
Set screw M3x3mm anchor point.

第36步组装完成
Assembled in Chapter 36

铜套
Collar
Φ2xΦ3x3.1mm

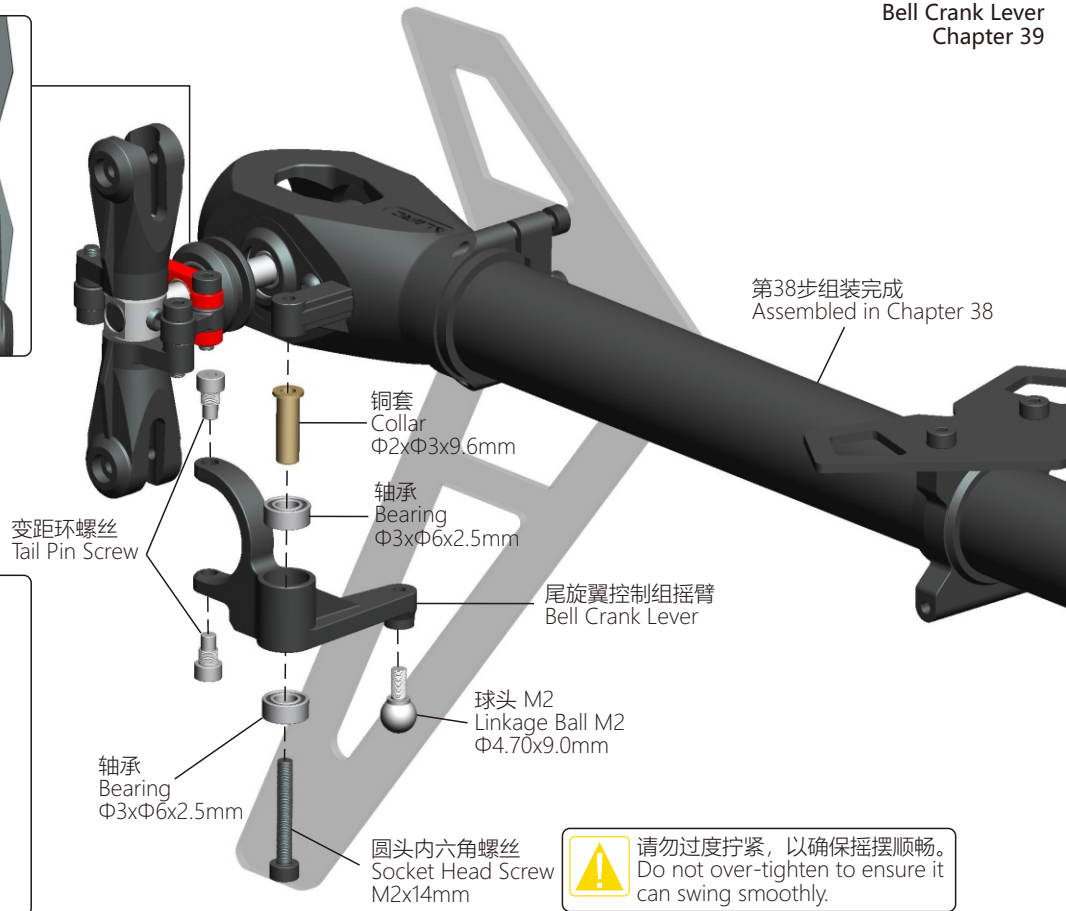
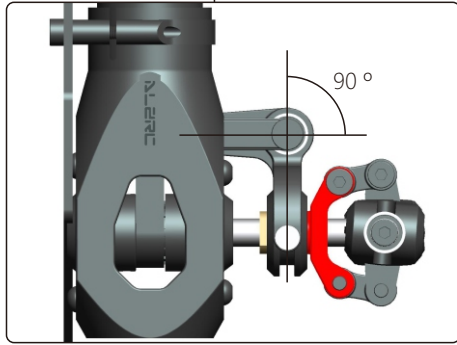
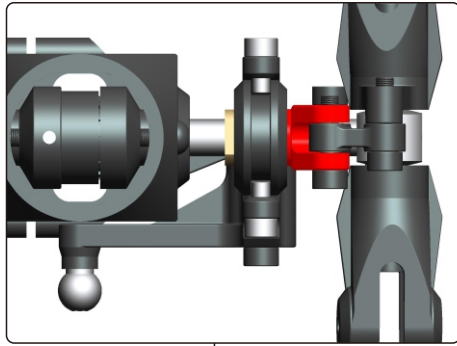
圆头内六角轴套螺丝
Socket Collar Screw
M2x8mm

第35步组装完成
Assembled in Chapter 35

用手推动数次，确保滑块组推动顺畅及尾旋翼夹座摇摆顺畅。如果感觉些微干涉，请调整拉杆螺丝松紧，直到顺畅为止。
Push several times with hand to ensure tail pitch slider and tail rotor set swing smoothly, if it feels slightly interference, please adjust the tightness of screw rod, until smooth.

DX360-K

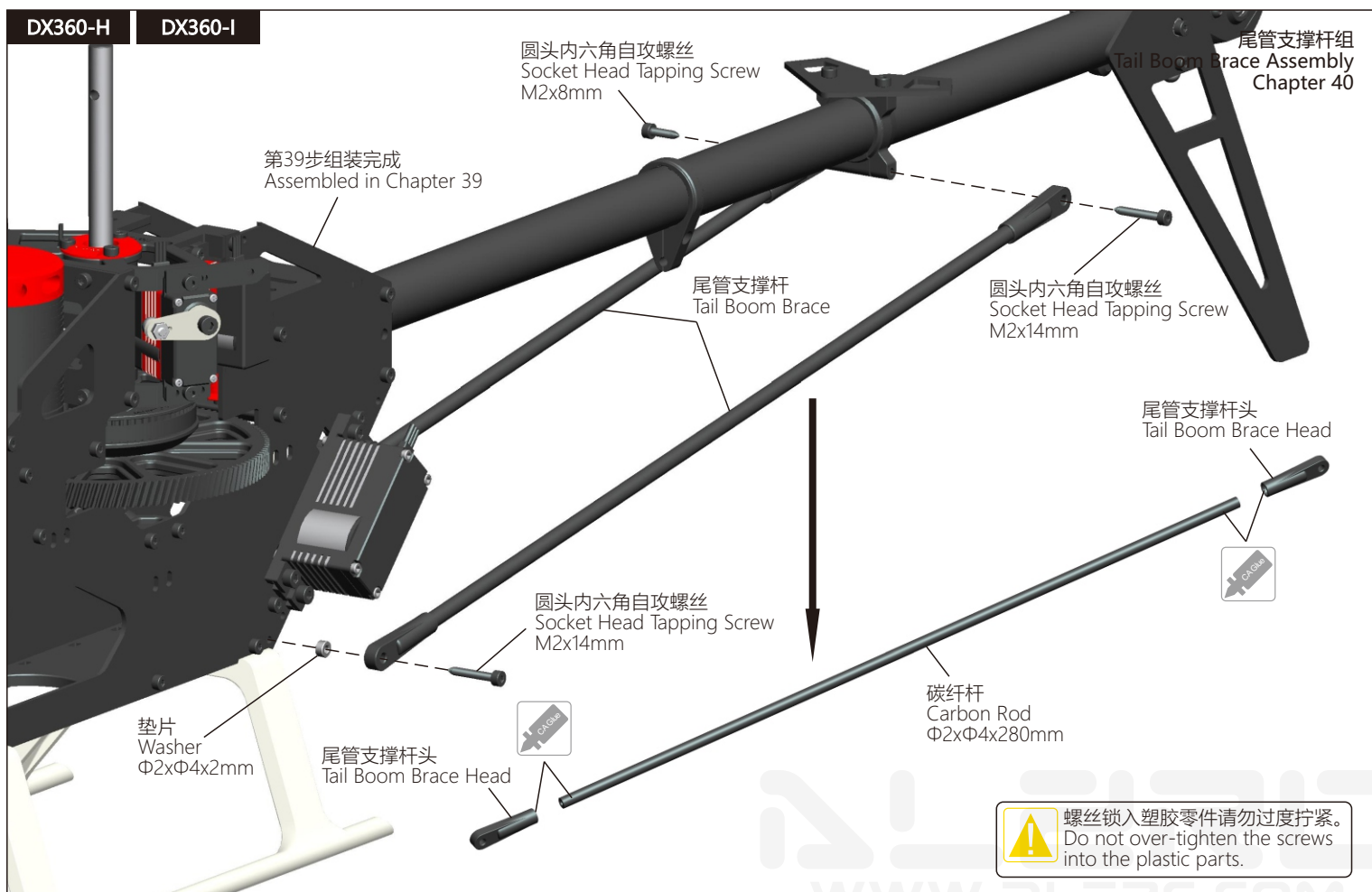
尾旋翼控制组摇臂
Bell Crank Lever
Chapter 39



DX360-H

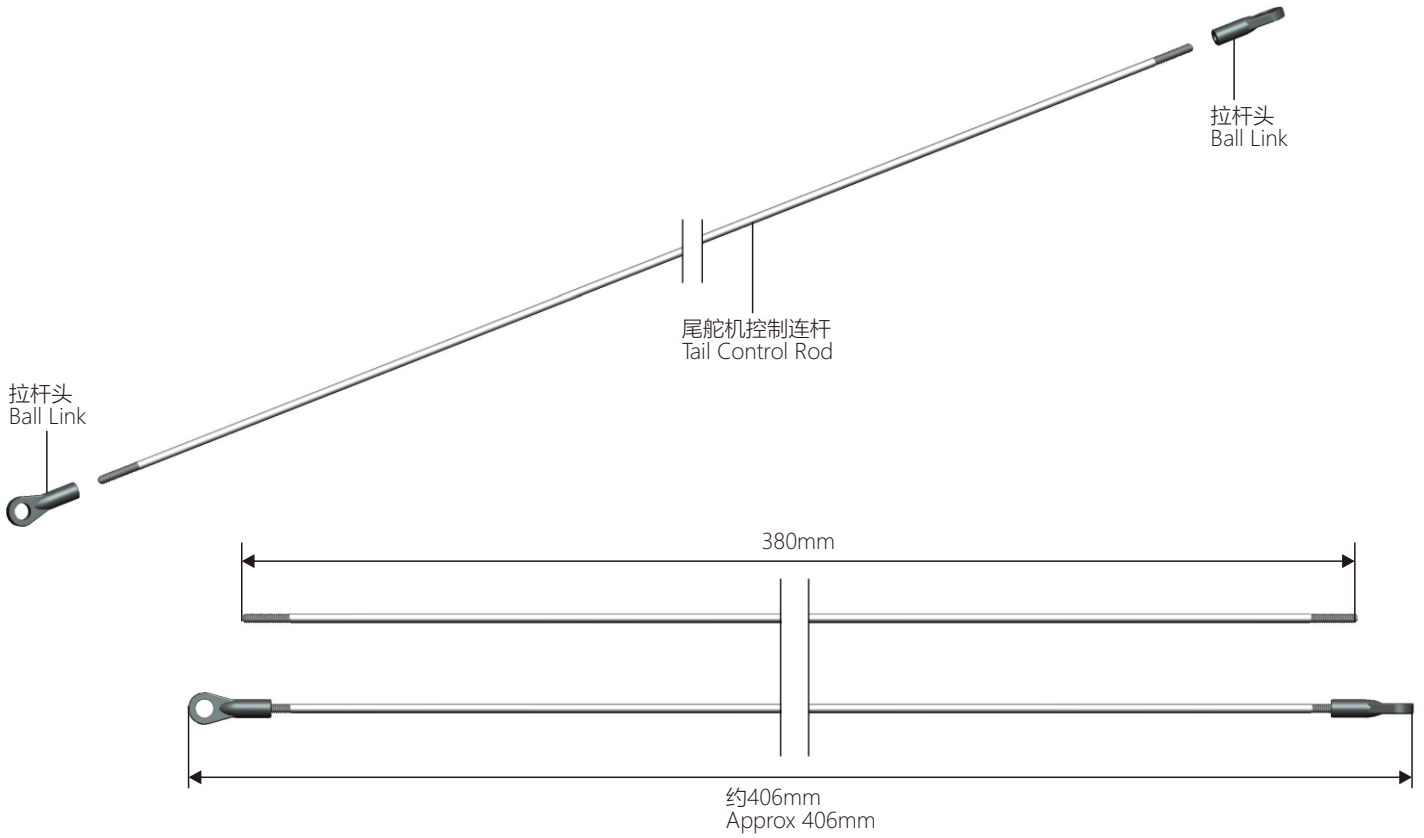
DX360-I

尾管支撑杆组
Tail Boom Brace Assembly
Chapter 40




DX360-H DX360-I

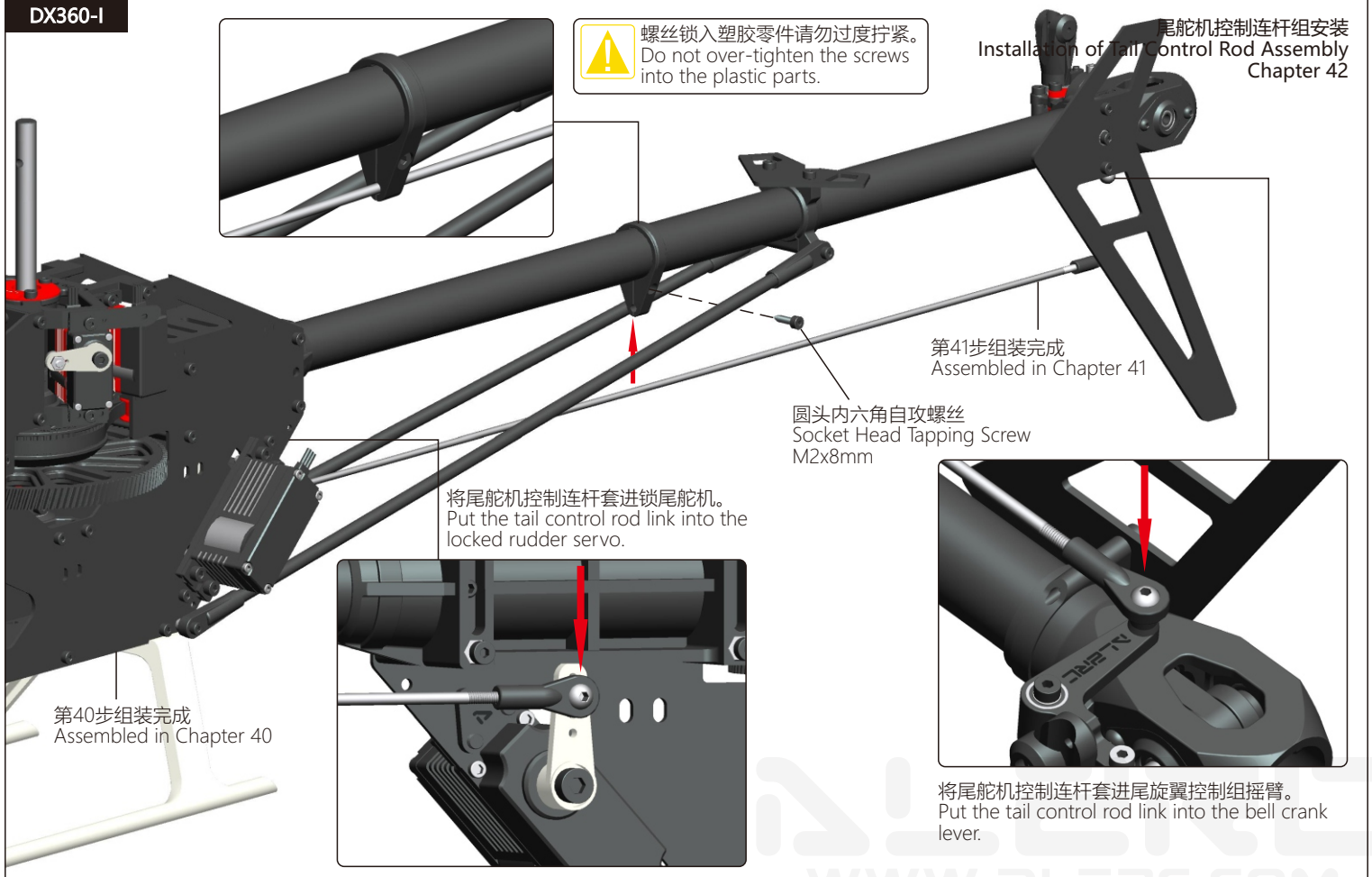
尾舵机控制连杆组
Tail Control Rod Assembly
Chapter 41

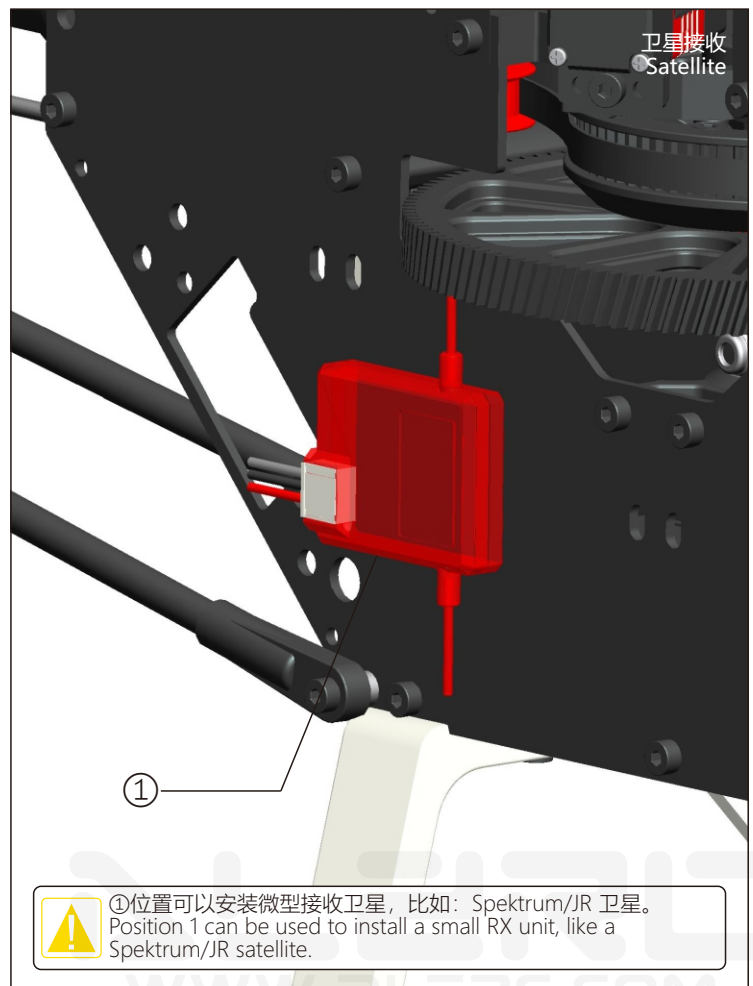
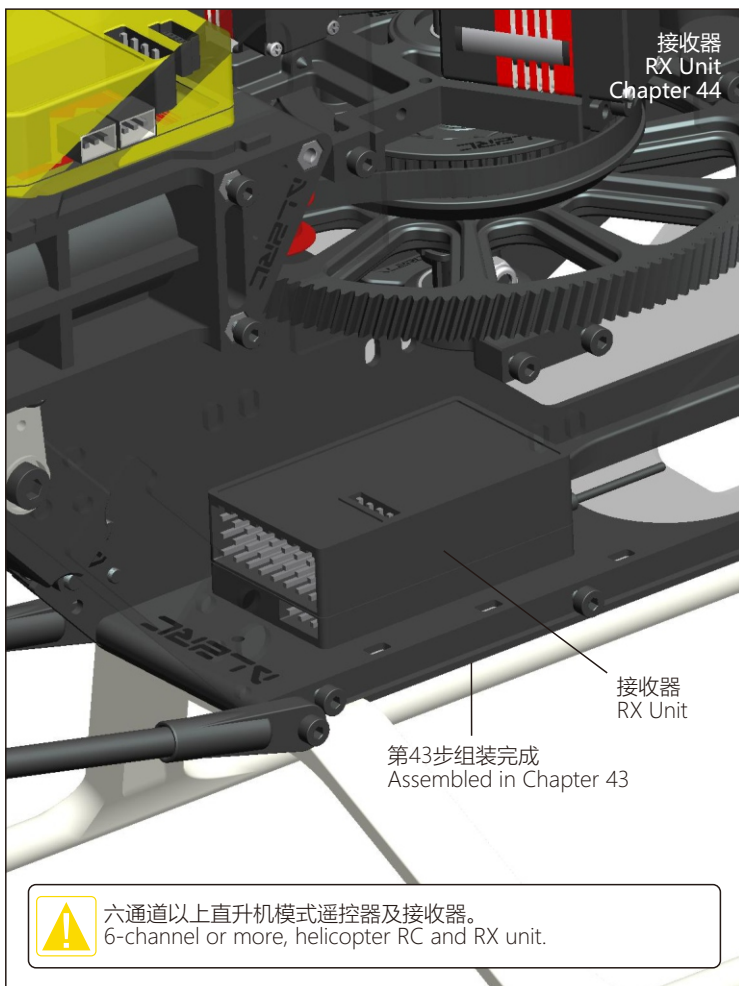
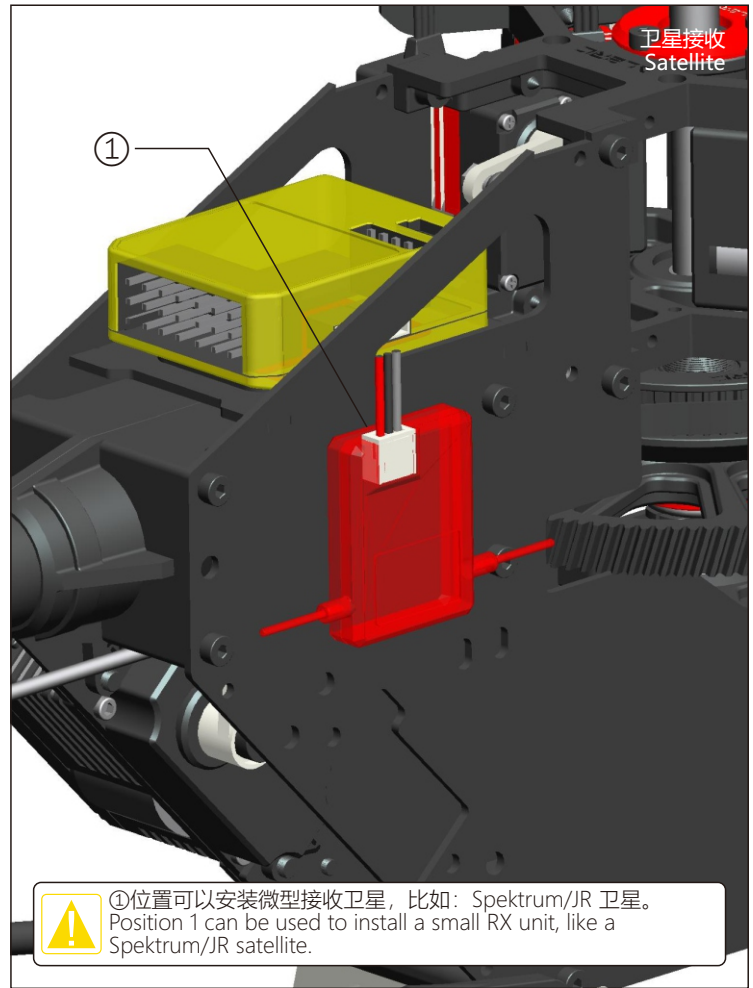
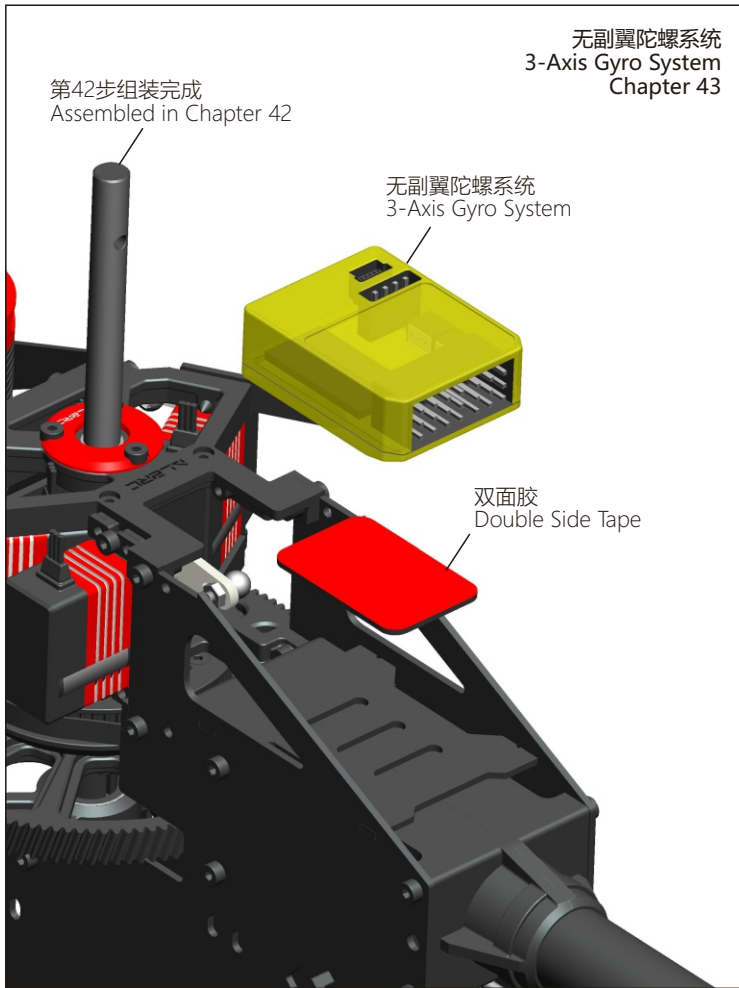


DX360-I

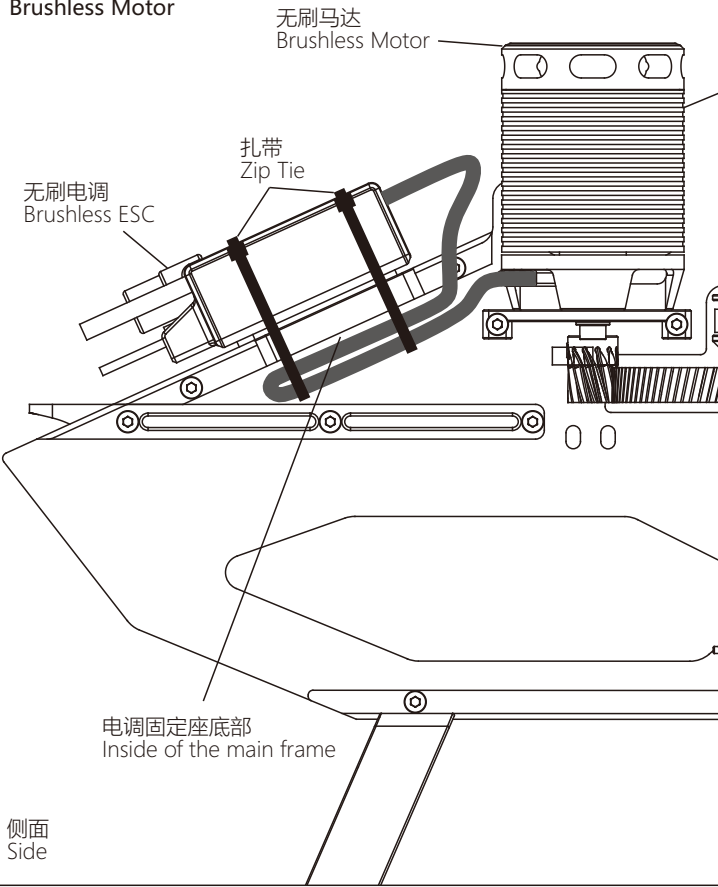
 螺丝锁入塑胶零件请勿过度拧紧。
Do not over-tighten the screws into the plastic parts.

尾舵机控制连杆组安装
Installation of Tail Control Rod Assembly
Chapter 42

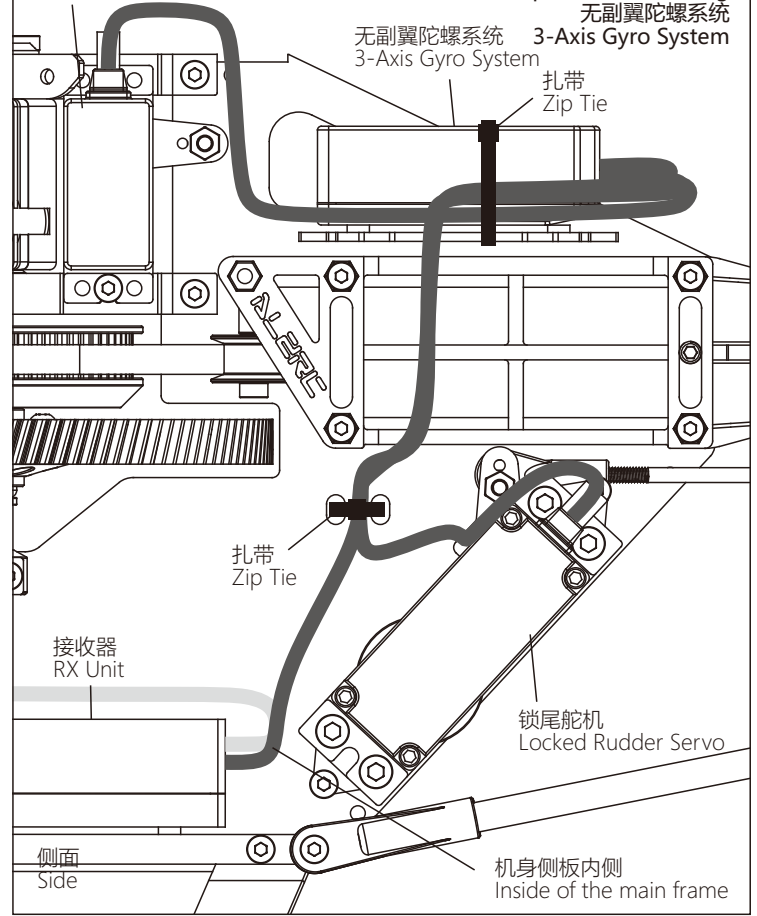




线缆布置技巧
Tip on Cable Routing
无刷马达
Brushless Motor

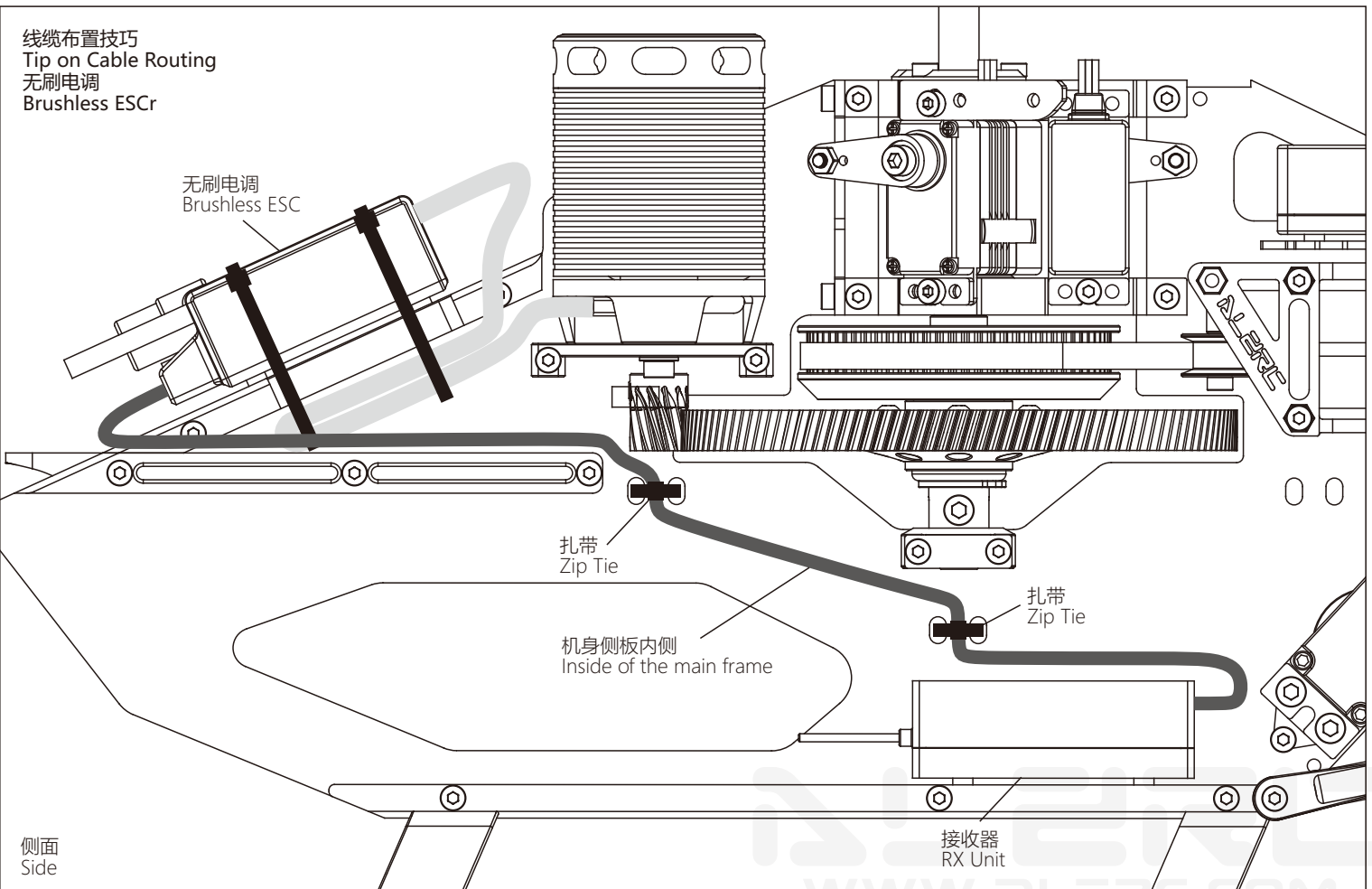


十字盘舵机
Swashplate Servos



线缆布置技巧
Tip on Cable Routing
无副翼陀螺系统
3-Axis Gyro System

线缆布置技巧
Tip on Cable Routing
无刷电调
Brushless ESCr



侧面
Side

接收器
RX Unit

DX360-L

平头内六角螺丝
Socket Flat Head
Screw
M2x5mm



十字盘零件 A
Swashplate Part A

万向球轴承
Spherical Bearing
Φ6xΦ14x6mm



十字盘零件 B
Swashplate Part B

轴承
Bearing
Φ20xΦ27x4mm

自攻螺丝
Tapping Screw
M2x4mm

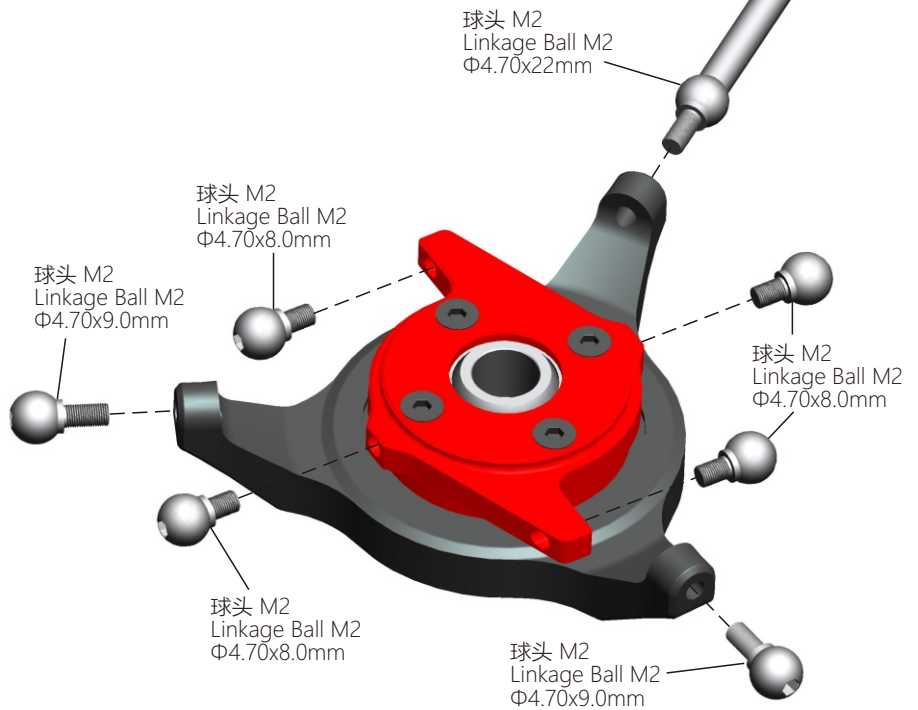
十字盘零件 C
Swashplate Part C

自攻螺丝
Tapping Screw
M2x4mm



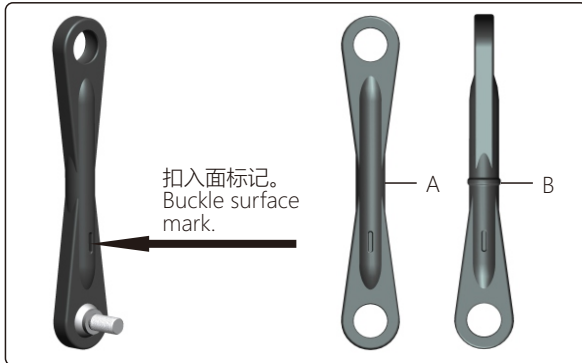
已经完成组装
Already Assembled

十字盘组
CCPM Metal Swashplate Assembly
Chapter 45



出厂零件包装如果是已组装机，请务必确认各部件是否锁紧上胶。
For original manufactory package, If the product is already assembled by factory, please check again if parts are firmly secured and applied with some glue.

DX360-L



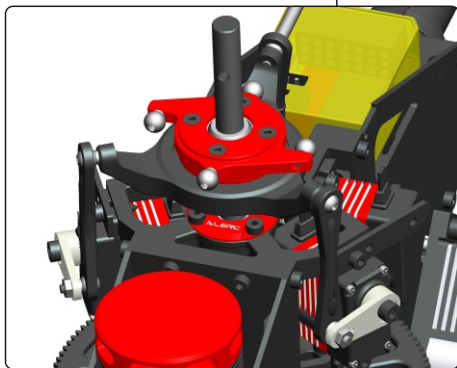
十字盘舵机拉杆-B
Swashplate Servo Pull Rod - B

十字盘舵机拉杆
Swashplate Servo Pull Rod
Chapter 46

第45步组装完成
Assembled in Chapter 45

十字盘舵机拉杆-A
Swashplate Servo Pull Rod - A

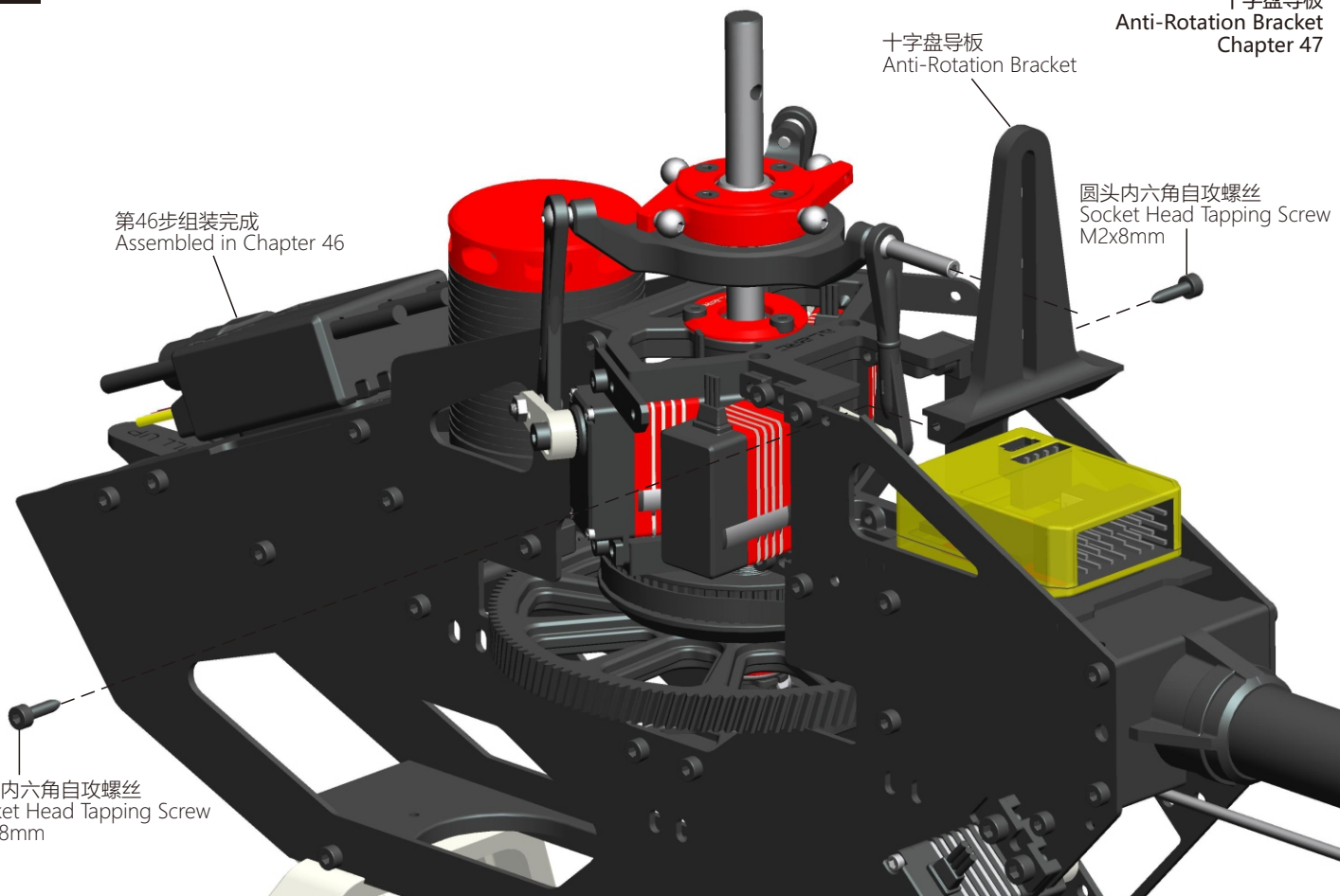
十字盘舵机拉杆-A
Swashplate Servo Pull Rod - A



第44步组装完成
Assembled in Chapter 44

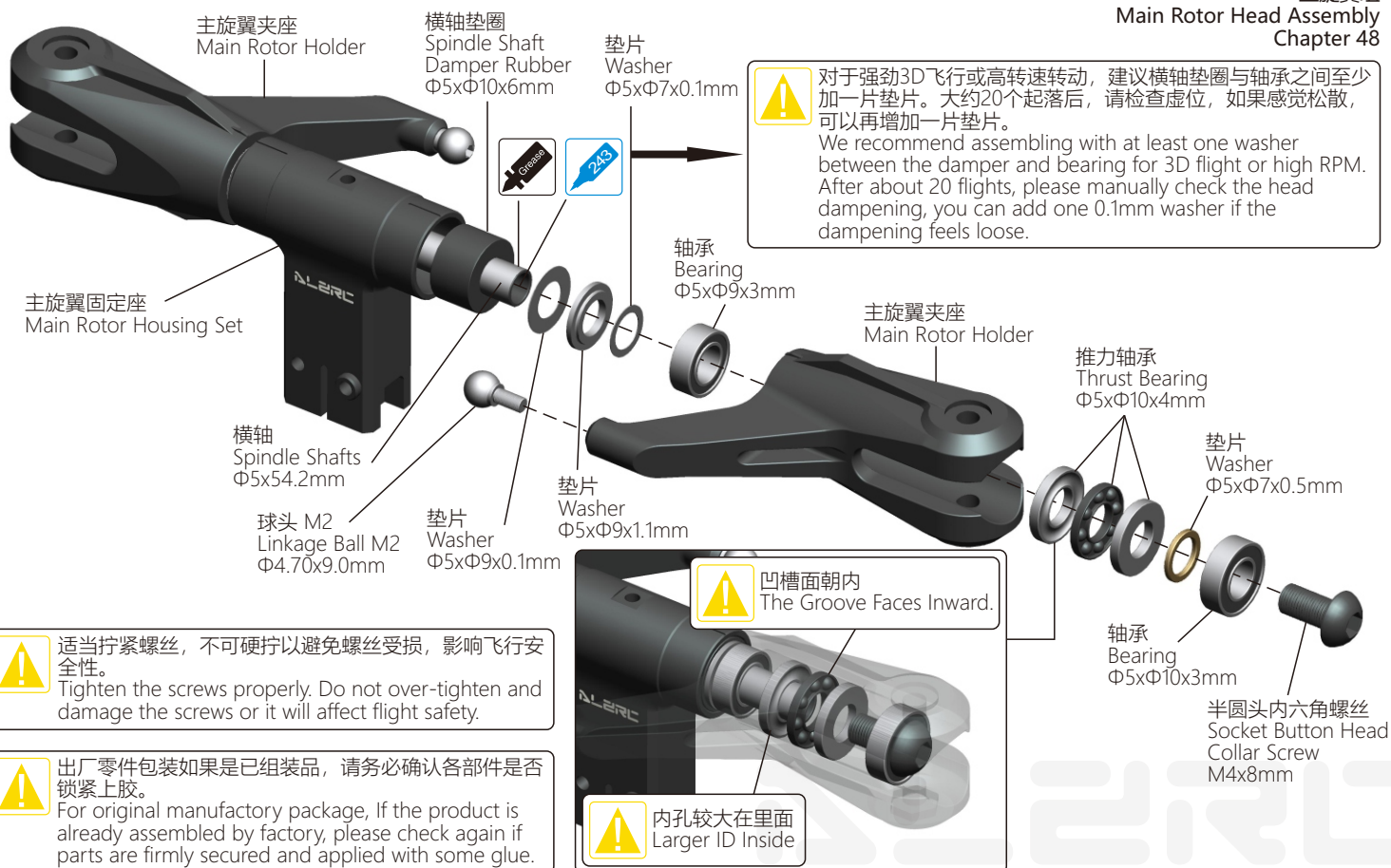
DX360-L

十字盘导板
Anti-Rotation Bracket
Chapter 47



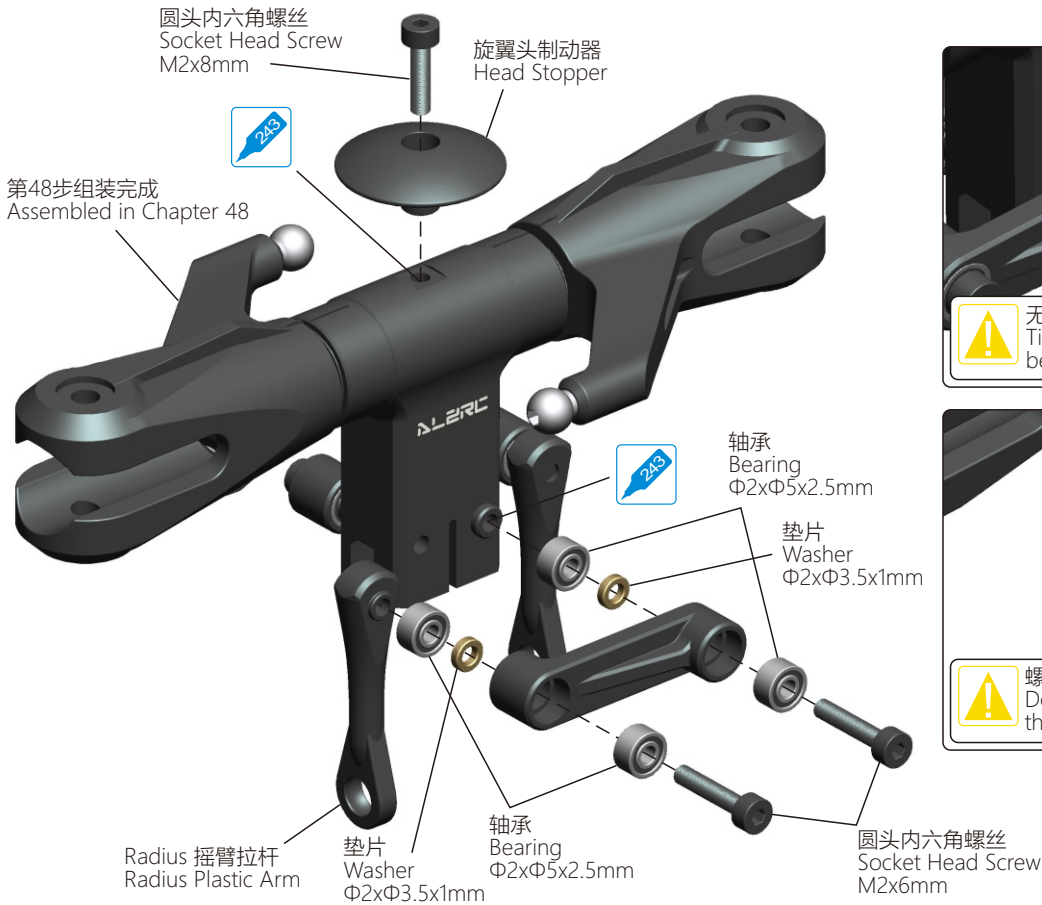
DX360-M

主旋翼组
Main Rotor Head Assembly
Chapter 48



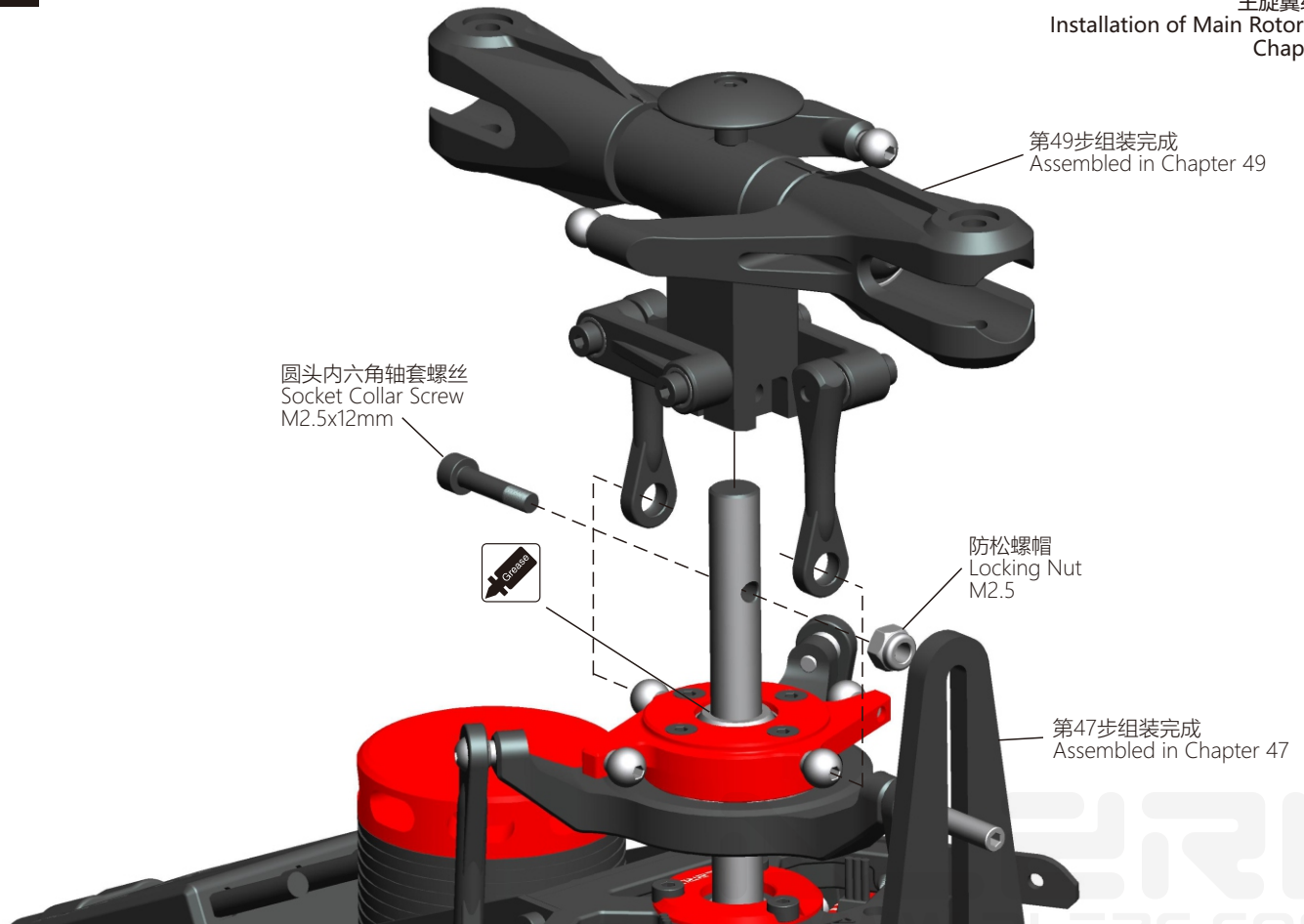
DX360-M | DX360-N

Radius 摇臂组
Radius Arm Assembly
Chapter 49



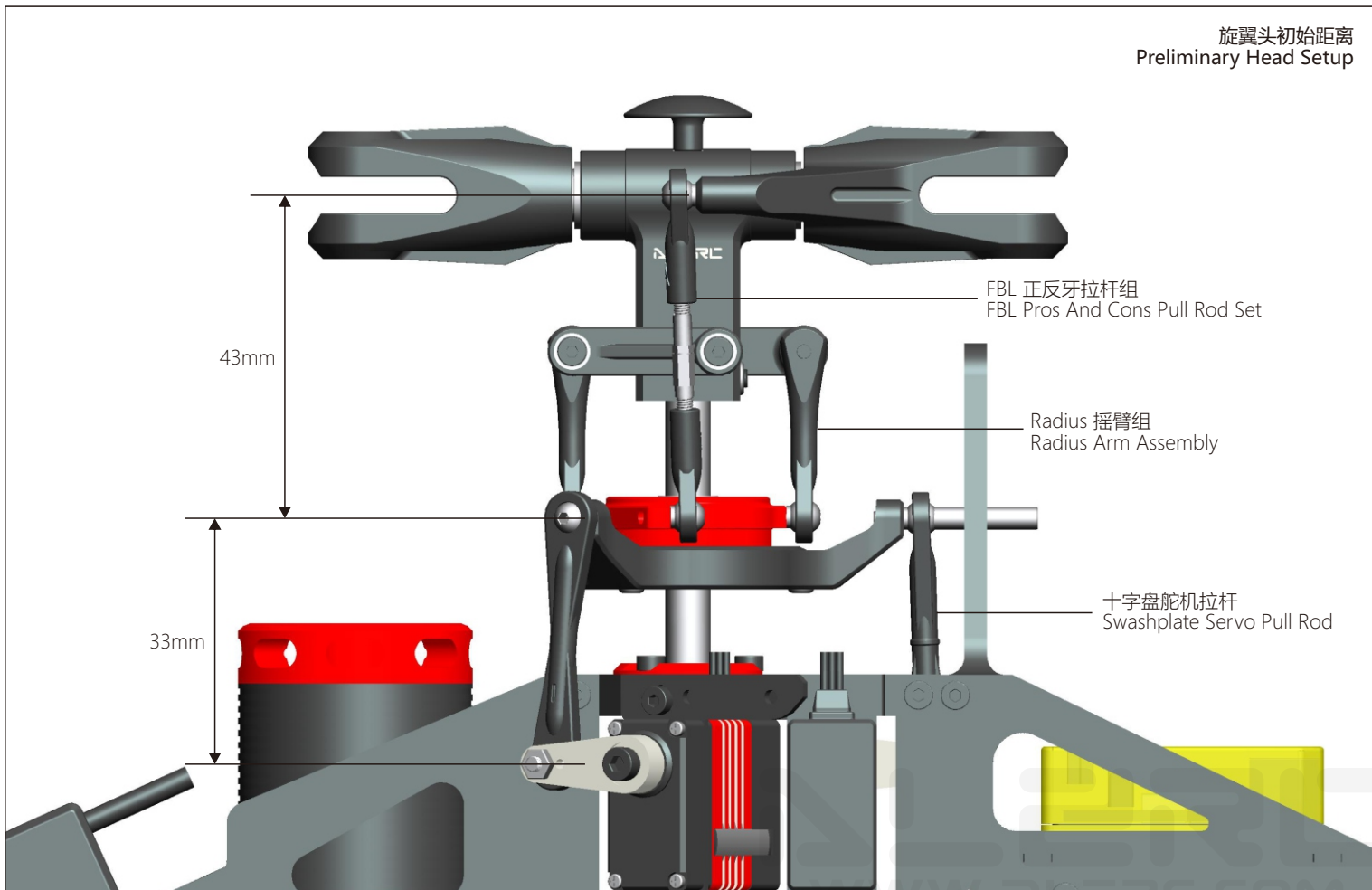
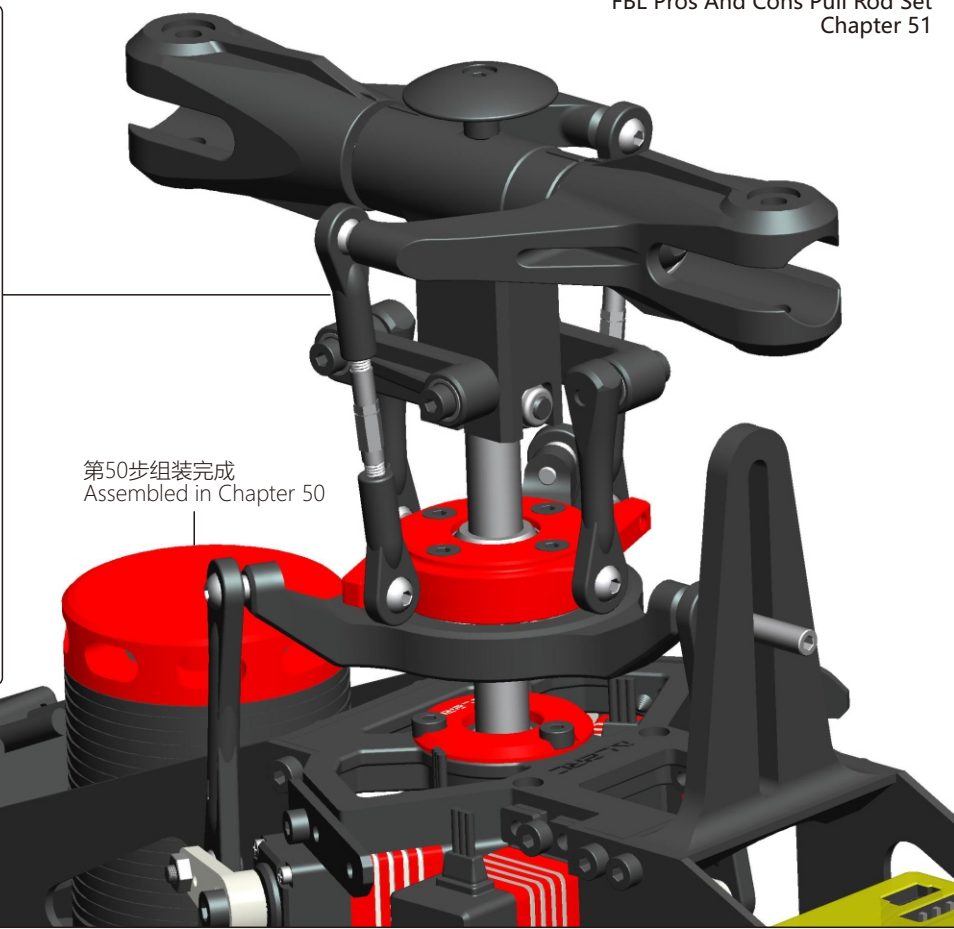
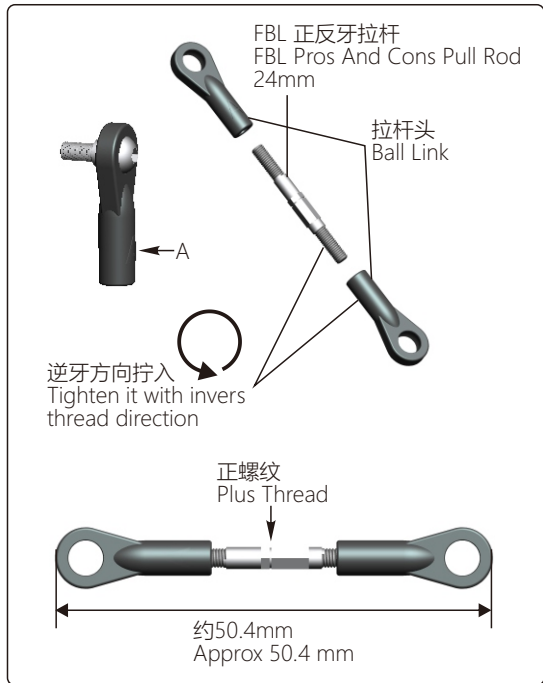
DX360-M

主旋翼组安装
Installation of Main Rotor Head
Chapter 50

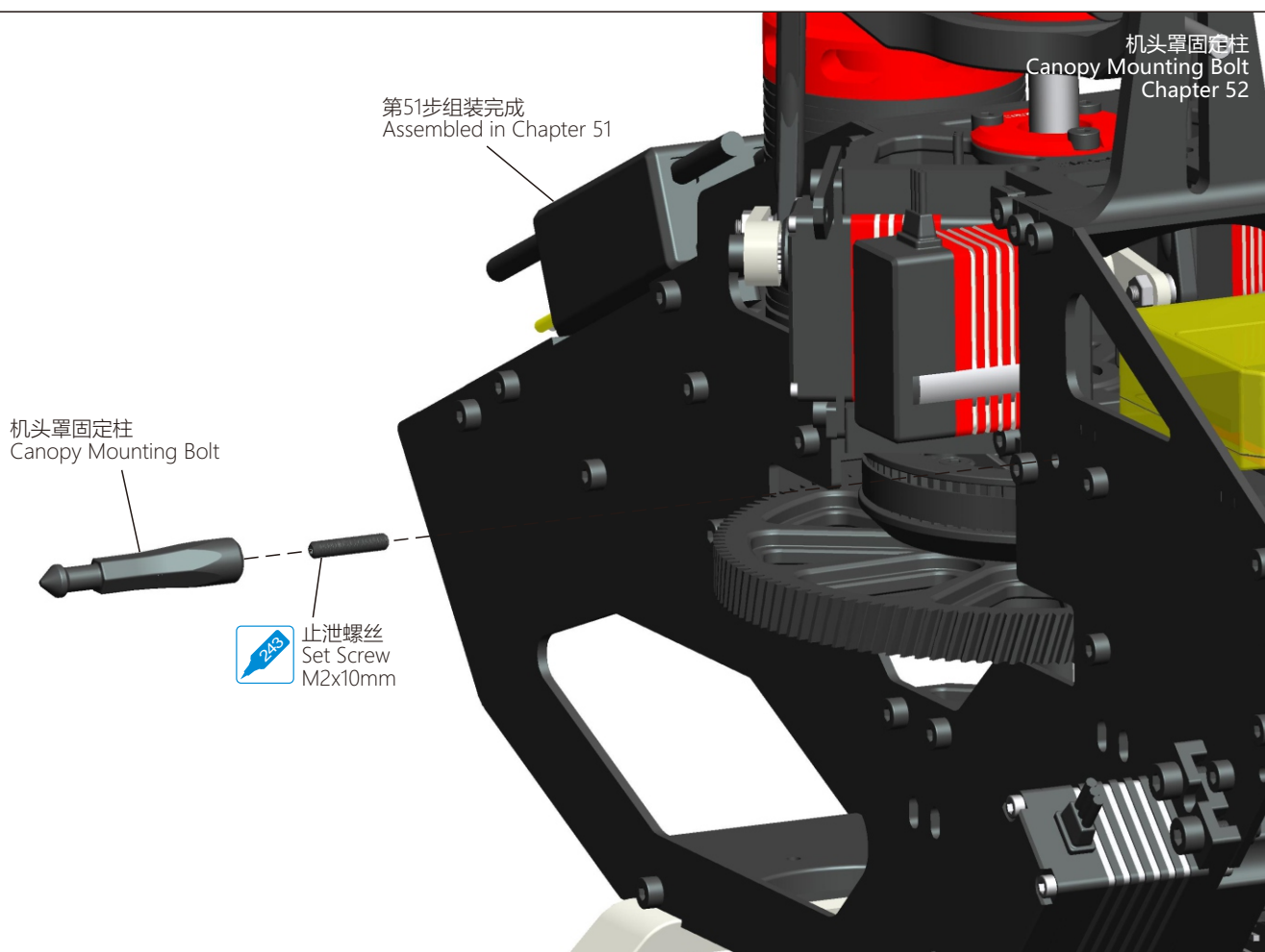


DX360-N

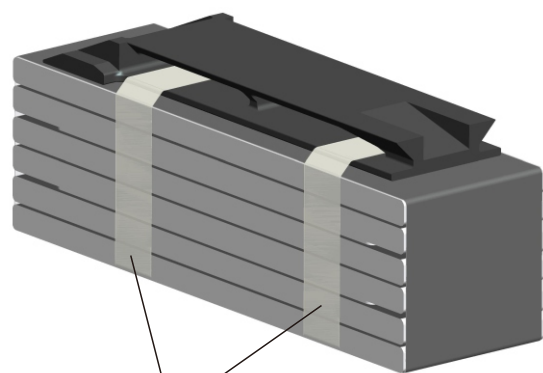
FBL 正反牙拉杆组
FBL Pros And Cons Pull Rod Set
Chapter 51



DX360-O



DX360-C

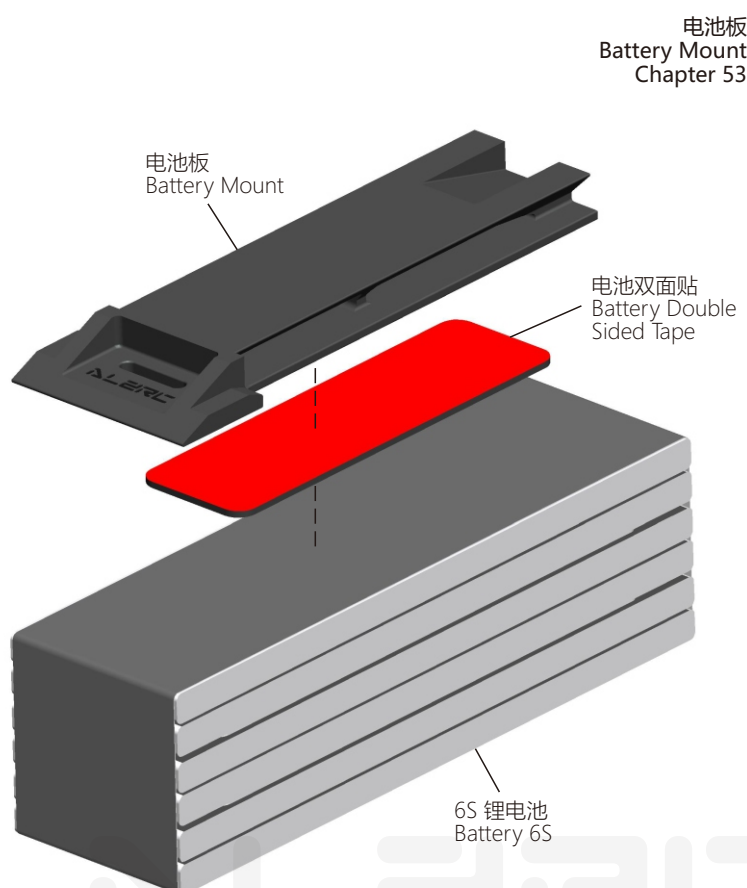


使用高韧性、耐高温胶布固定电池。
Use high strength and high temperature resistant adhesive tape to fix the battery.

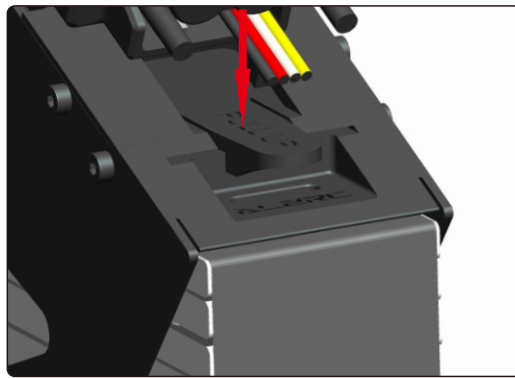


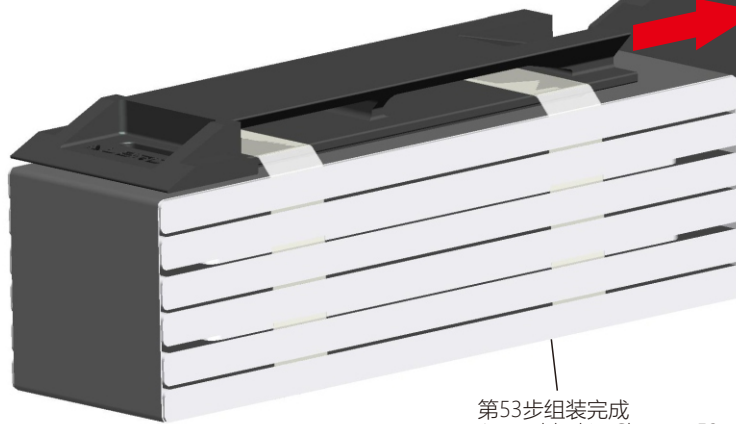
Devil X360 具有电池快拆系统。电池必须安装在电池板上。电池在电池板上可以前后移动，确认重心后，用双面胶和胶布固定到电池板上。

建议使用 1400~1500mAh 6S 锂电池，宽高尺寸限制在34x34x120mm 以内。
The Devil X360 has a quick release battery tray system. The battery must be installed onto the battery tray. The battery can be moved forward and backward on the battery tray. Fix the battery with the double side tape and adhesive tape after make sure to find the right position of the battery to optimize the center of gravity. Recommend use 1400~1500mAh 6S lithium battery with the size within 34x34x120mm.



DX360-C

电池板安装
 Installation of Battery Mount
 Chapter 54

 第52步组装完成
 Assembled in Chapter 52

 请检查电池板是否锁定卡位。
 Please check whether the battery is locked in place.

 第53步组装完成
 Assembled in Chapter 53

飞行前的操作
 OPERATIONS BEFORE FLIGHT

- 设置遥控器、无刷电调及无副翼陀螺系统。
- 在未装主旋翼和尾旋翼的状态下，认真检查无副翼陀螺系统的正确设置。
- 检查所有线缆、插口是否安装正确。
- 检查皮带松紧度是否正常。
- 检查马达皮带轮的齿轮比，正确设置转速，为确保安全，我们建议不要超过3600转。

- * Set up the RC, ESC and flapless gyro system.
- * Check the setup of the flapless gyro system with utmost care under non main blade and tail blade status.
- * Check all cables and plugs to ensure it is installed correctly.
- * Check the correct tension of the tail belt.
- * Verify the motor pulley gear ratio, set up a correct revolving speed, our suggestion is do not more than 3600r/min.

齿轮传动比
 Gear Ratios

- 9T 14.55:1:4.69
- 10T 13.10:1:4.69
- 11T 11.90:1:4.69
- 12T 10.91:1:4.69
- 13T 10.07:1:4.69



DX360-O | DX360-P

碳纤维主旋翼
Carbon Fiber Blades
Chapter 55



请按顺时针方向正确安装主旋翼
Please install the main blades correctly by
clockwise direction.

圆头内六角轴套螺丝
Socket Head Collar Screw
M3x20mm

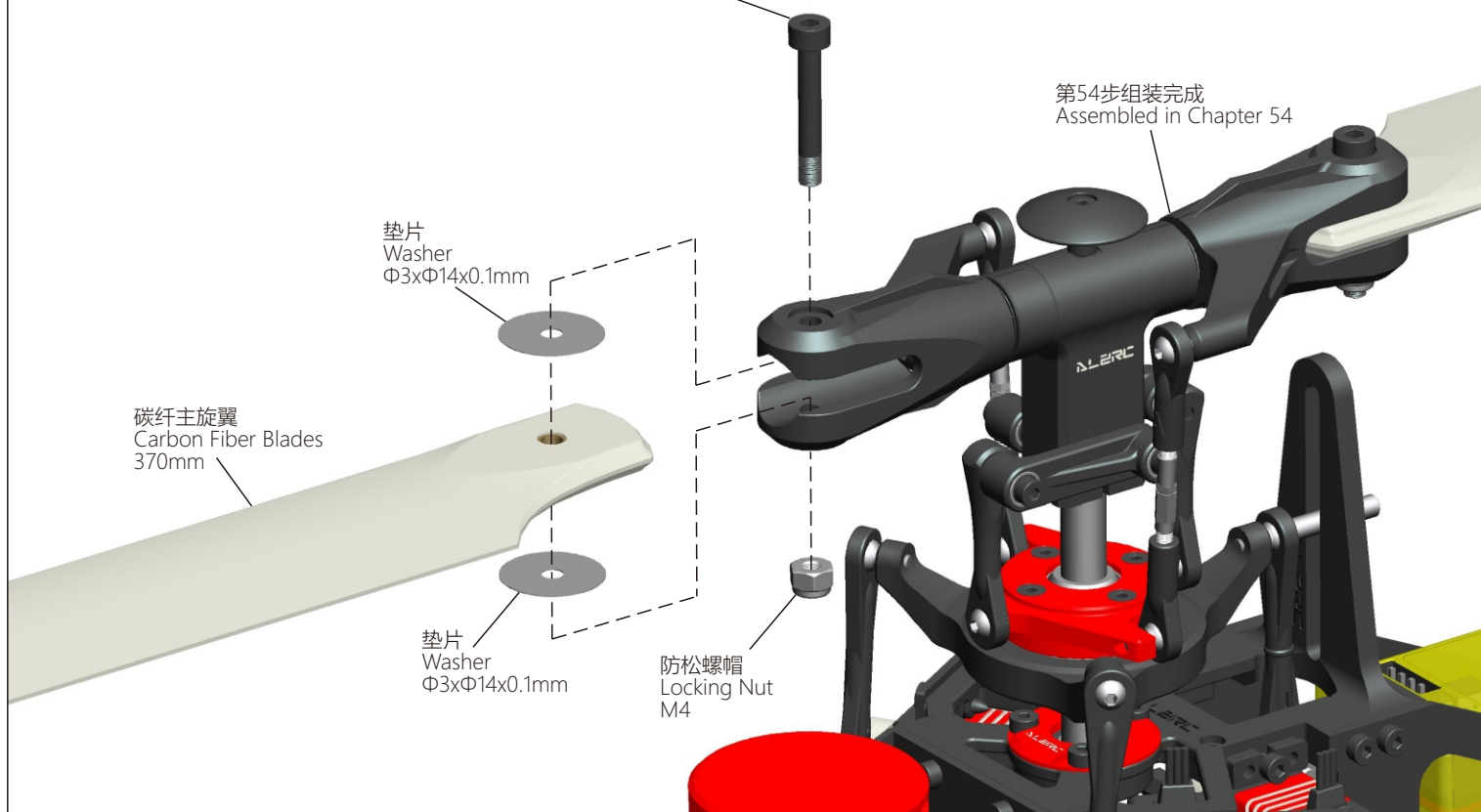
第54步组装完成
Assembled in Chapter 54

垫片
Washer
Φ3xΦ14x0.1mm

碳纤维主旋翼
Carbon Fiber Blades
370mm

垫片
Washer
Φ3xΦ14x0.1mm

防松螺母
Locking Nut
M4



DX360-O

尾旋翼
Tail Blade
Chapter 56



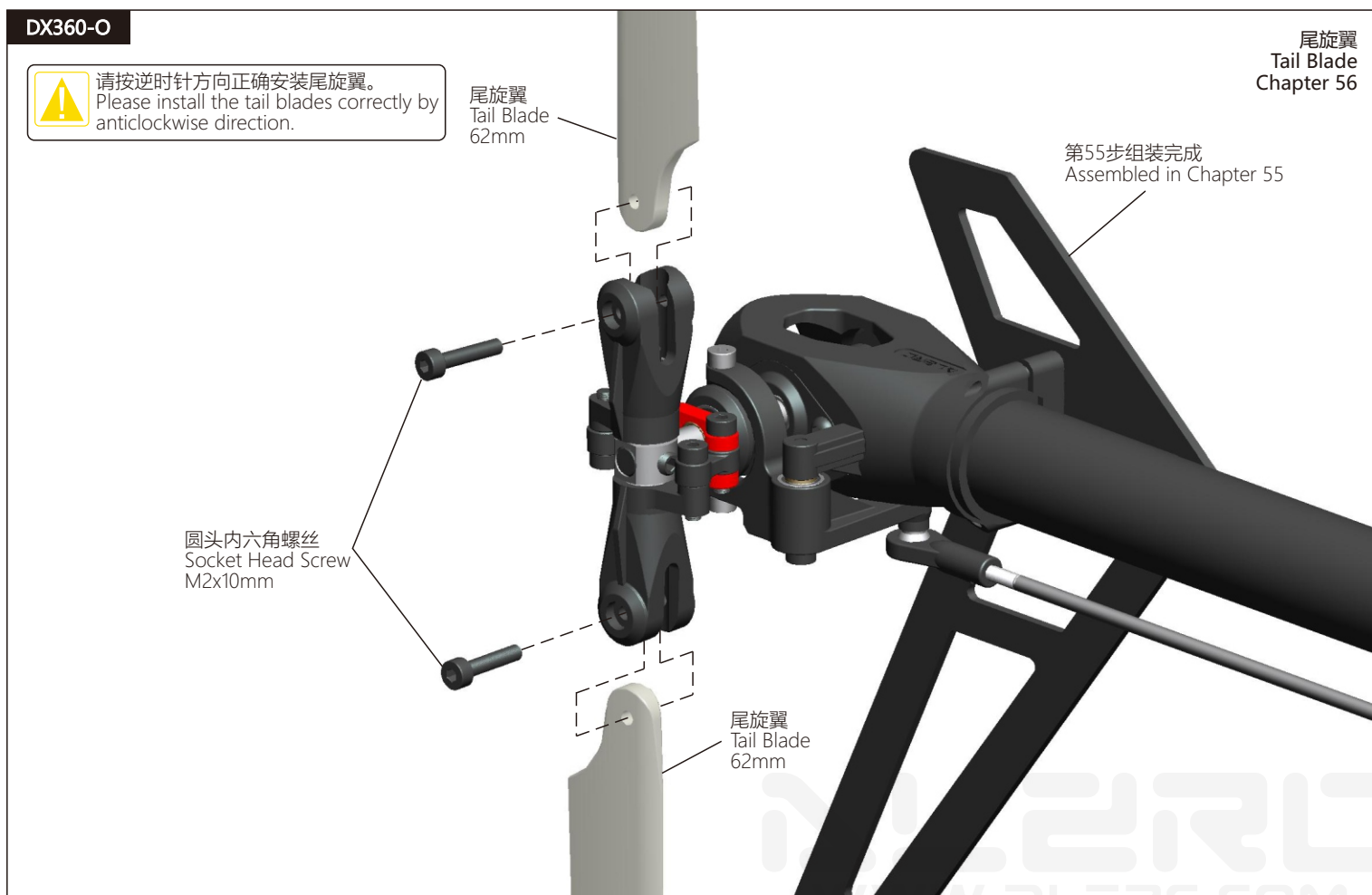
请按逆时针方向正确安装尾旋翼。
Please install the tail blades correctly by
anticlockwise direction.

尾旋翼
Tail Blade
62mm

第55步组装完成
Assembled in Chapter 55

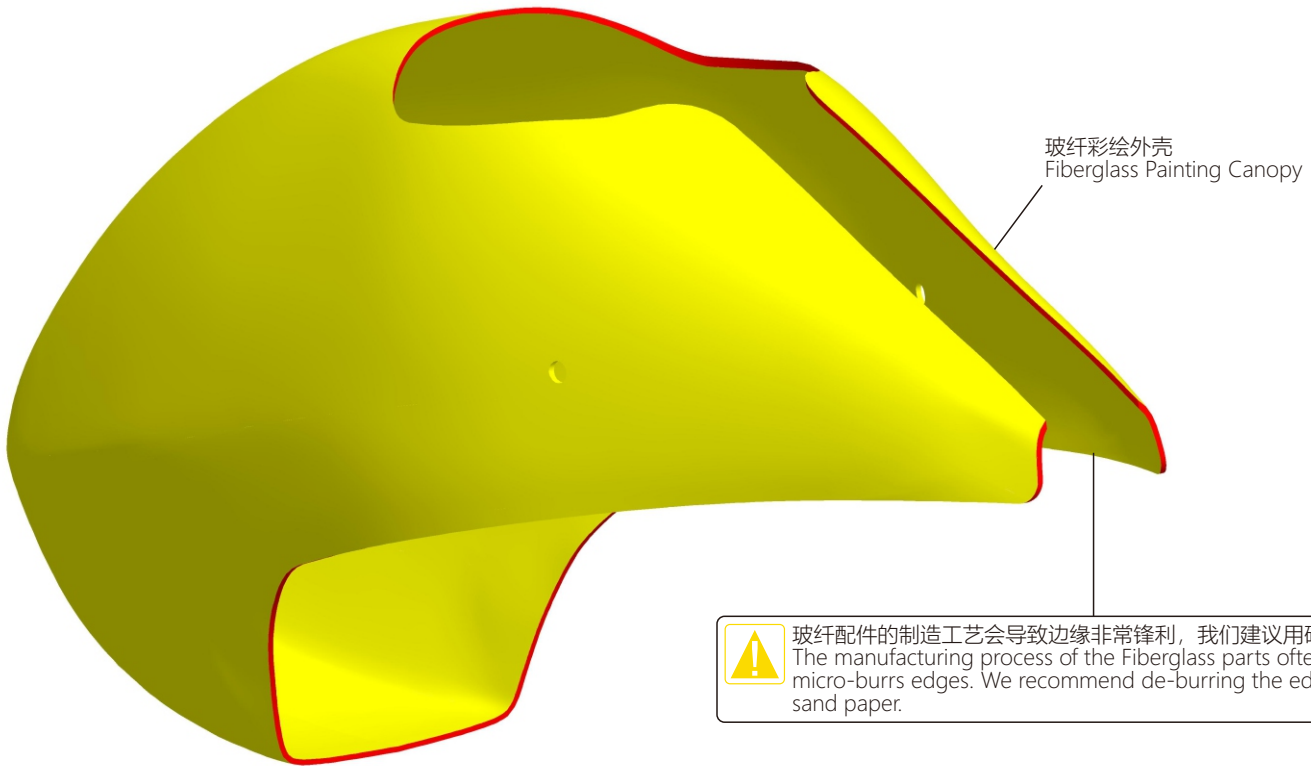
圆头内六角螺丝
Socket Head Screw
M2x10mm

尾旋翼
Tail Blade
62mm



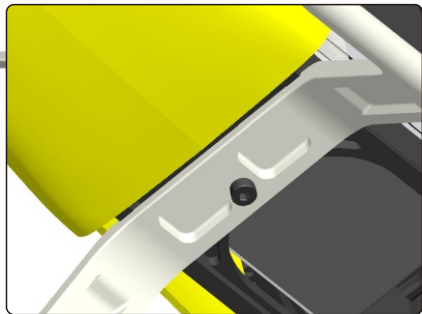
Canopy

玻纤彩绘外壳
Fiberglass Painting Canopy
Chapter 57



 玻纤配件的制造工艺会导致边缘非常锋利，我们建议用砂纸打磨边缘。
The manufacturing process of the Fiberglass parts often leaves micro-burrs edges. We recommend de-burring the edges with sand paper.

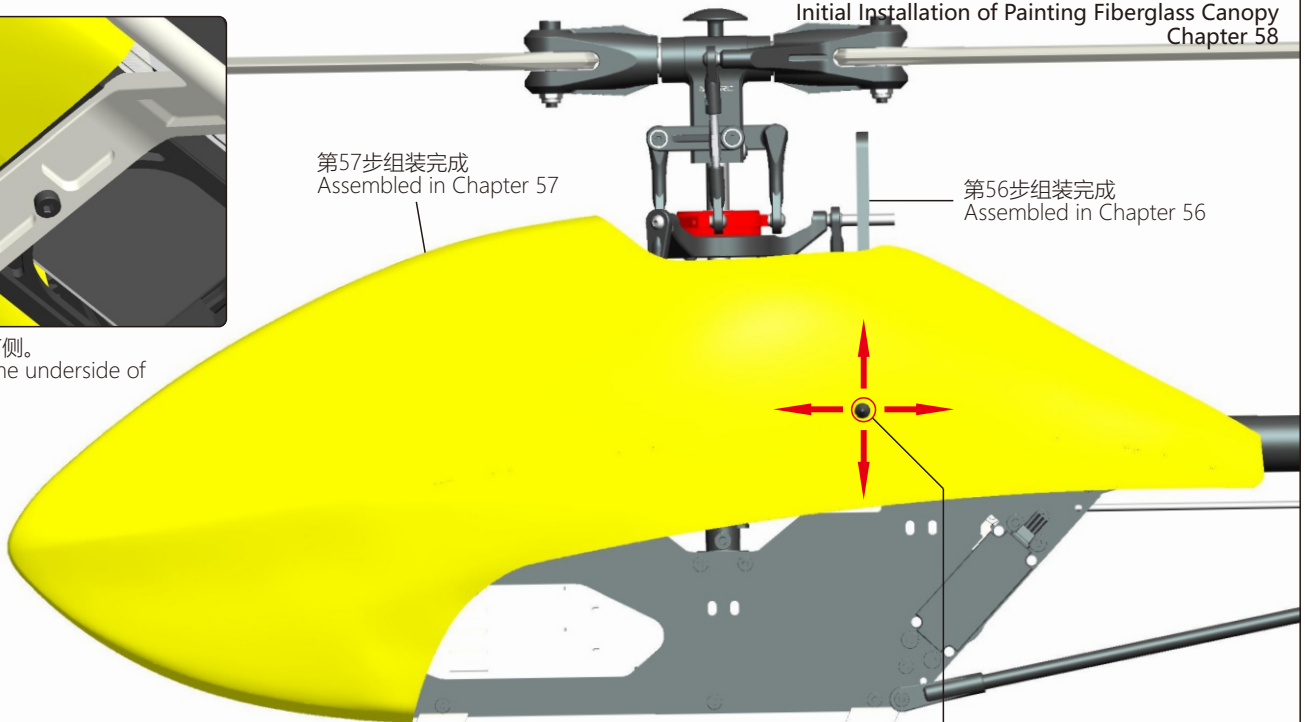
玻纤彩绘机头罩的初始安装
Initial Installation of Painting Fiberglass Canopy
Chapter 58



将头罩安装至底板下侧。
Put the canopy to the underside of the bottom plate.

第57步组装完成
Assembled in Chapter 57

第56步组装完成
Assembled in Chapter 56



机头罩先初始安装，确认扩孔位置正确后，再进行扩孔安装机头罩固定垫圈。
Initial installation just for canopy holes position confirmation. After confirm the holes position is corrected, enlarge the 2 canopy holes, then install the washer.

 如果固定孔位正确，将固定孔扩大至3-5mm。如果有微偏差，扩孔时则按照偏差定位扩孔。
If the canopy holes was on the correct position, please enlarge the hole's diameter to 3-5mm. If there is a slight deviation, please enlarge the holes according to the deviation.

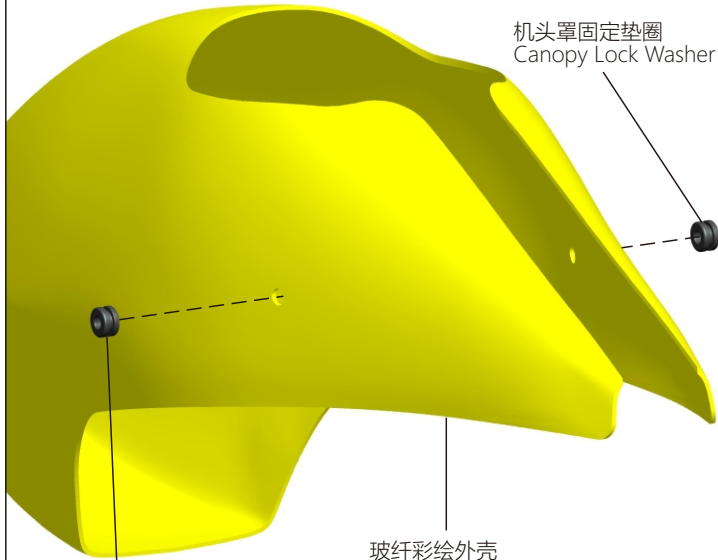
DX360-O

机头罩固定垫圈
Canopy Lock Washer
Chapter 59

机头罩固定垫圈
Canopy Lock Washer

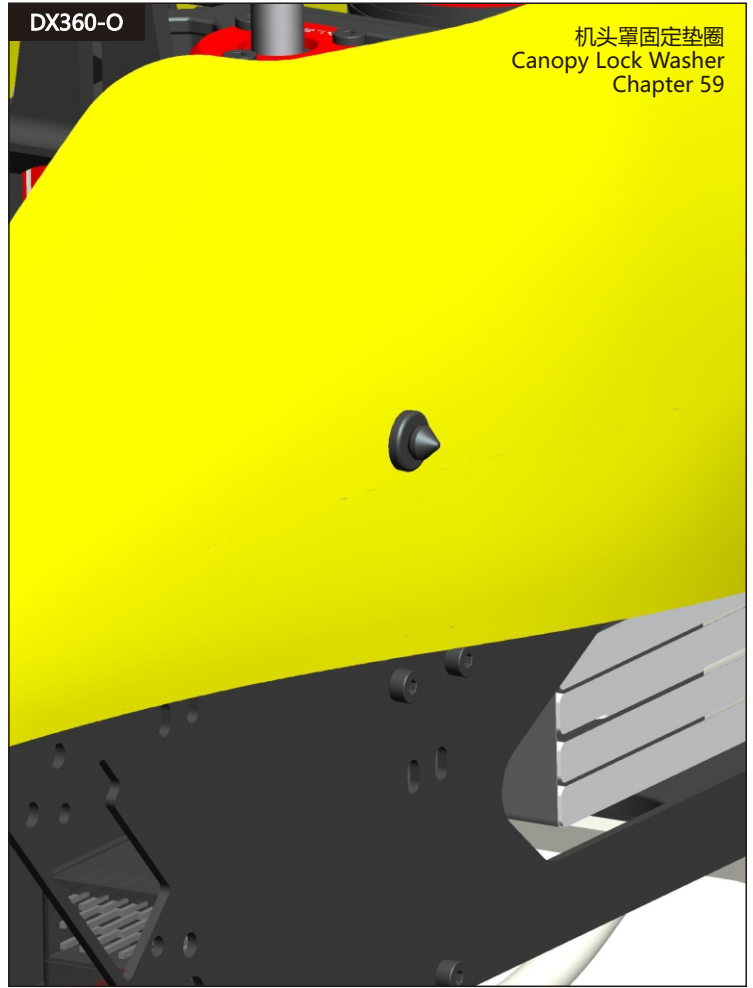
玻纤彩绘外壳
Fiberglass Painting Canopy

机头罩固定垫圈
Canopy Lock Washer



DX360-O

机头罩固定垫圈
Canopy Lock Washer
Chapter 59



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DEVIL X360