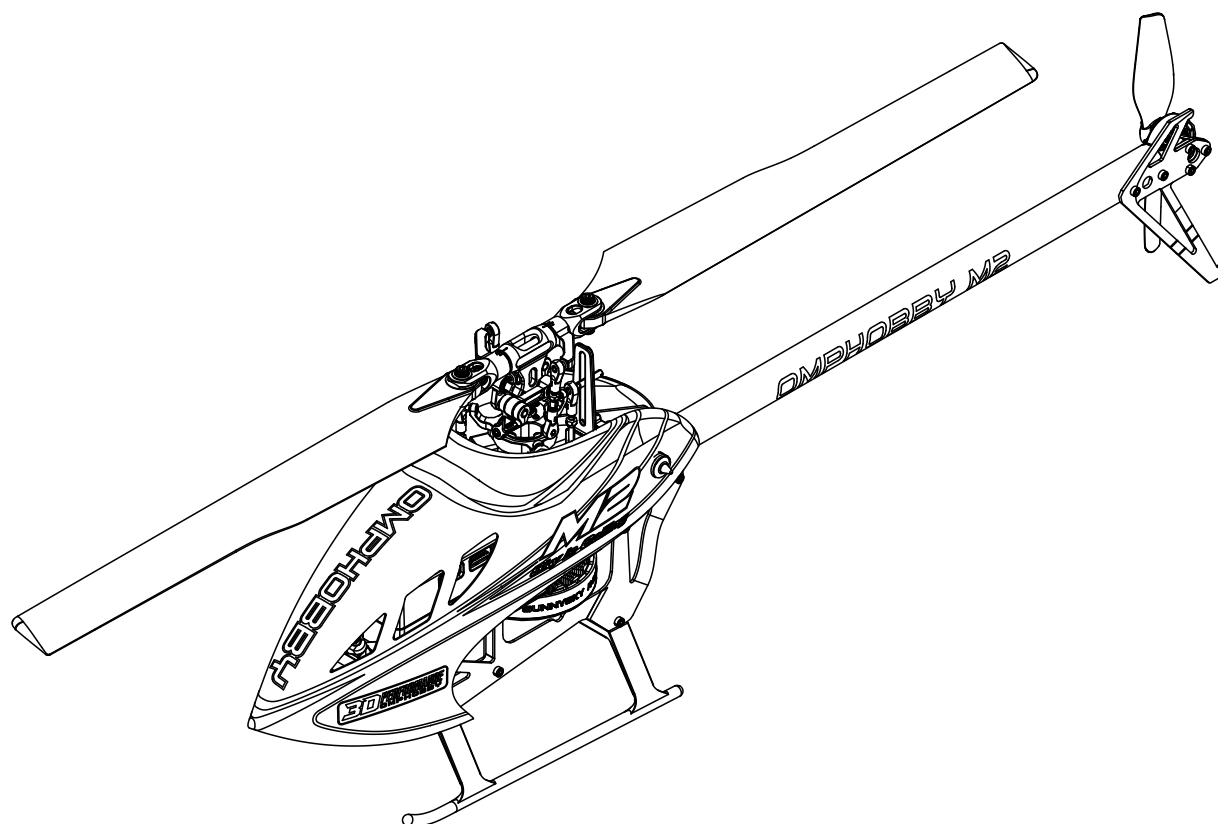


M2 V3 PRO

INSTRUCTION MANUAL

使用说明书



OMPHOBBY
SKY IS CALLING

Thank you for purchasing the OMPHOBBY M2 V3 PRO. The M2 V3 PRO is the latest and most advanced 200-sized micro helicopter offering from OMPHOBBY today. Please read this manual carefully before flying and servicing the M2 V3 PRO. Keep this manual for future reference.

感谢您选用边锋智驱系列产品。

进入遥控世界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，请务必详细阅读本说明书，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。




Thank you for purchasing the OMPHOBBY M2 V3 PRO. The M2 V3 PRO is designed to be an easy to use, fully featured micro R/C helicopter model. Please read this manual carefully before flying and servicing the model, and follow all warnings and recommendations located within the manual. Be sure to retain this manual for future reference, routine maintenance, and tuning.

The M2 V3 PRO is a 200-sized micro R/C helicopter developed by OMPHOBBY. It has been optimized for maximum flight performance, and features the highly regarded OMPHOBBY Flight System 3 (OFS3) flight controller.

感谢您选购边锋智驱公司产品，为了您容易方便使用M2 V3 PRO直升机，请您详细的阅读完这本说明书之后再行组装以及操作这台直升机，同时请您妥善保存这本说明书，作为日后进行调整以及维修的参考。

M2 V3 PRO是由边锋智驱有限公司自行研发的新产品，不论您是需求飞行稳定的初学者还是追求性能卓越的飞行爱好者。M2 v3 PRO将是您最佳的选择。

WARNING LABEL LEGEND 标志代表含义

 WARNING 警告	Special attention is required to prevent damage and/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。
 CAUTION 注意	Special attention is required to avoid potentially dangerous situations. 因为疏忽这些操作说明，而使用错误可能造成危险。
 FORBIDDEN 禁止	Indicates a disallowed action or configuration. 在任何禁止的环境下，请勿尝试操作。

IMPORTANT NOTES 重要声明

Remote Control Helicopters, including the M2 V3 PRO, are not toys. They are sophisticated precision models and must be used with caution. Read this manual carefully before using operating the M2 V3 PRO. Failure to use the M2 V3 PRO properly may result in property damage, serious injury, or even death. Make sure to be conscious of your own personal safety and the safety of others, as well as the environment around you when using OMPHOBBY products.

The manufacturer and seller assume no liability for the operation or use of this product. The M2 V3 PRO is intended for use only by adults that have familiarized themselves with the operation of R/C helicopters. After the sale of this product, the manufacturer and seller cannot maintain any control over its operation or usage.

M2 V3 PRO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者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，勿轻忽并注意自身安全。

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组装不当所发生之意外负责任何责任，本产品是为提供给有操作过模型直升机经验的成人或者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，产品售出后该公司将不负任何责任操作和使用控制上的任何性能与安全责任。

R/C helicopters require skill to operate. It is recommended that you obtain the assistance of an experienced R/C helicopter pilot before attempting to fly your M2 V3 PRO for the first time. Damage or dissatisfaction of the product as a result of crashes, incorrect setup, modifications, or lack of necessary user skill is not covered by any warranty. Please contact our distributors for technical support and parts supply as necessary.

模型商品属于需高操作技术且为消耗性之商品，如经拆装使用后，会造成不等情况零件损耗，任何使用情况所造成的商品不良或不满意，将无发于保固条件内更换新品或者退货，如遇有使用操作维修问题，本公司全球分公司或者代理商将提供技术指导，特价零件供应服务。

SAFETY NOTES 安全注意事项



This product must only be used in safe and open areas, away from obstacles and people and other living beings. Do not operate R/C helicopters within the vicinity of homes or crowds of people. R/C helicopters may experience accidents, failures, and crashes due to a variety of reasons not limited to but including lack of maintenance, pilot error, or radio interference. Always ensure the model is flown in a way that such failures cannot result in harm to property or life. The pilot is solely responsible for their own actions and damage or injury occurring during or as a result of the usage of the M2 V3 PRO. Models must always be inspected before every usage for potential defects, issues or malfunctions.

遥控模型飞机、直升机属于高危险性商品，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的任何意外之责任。

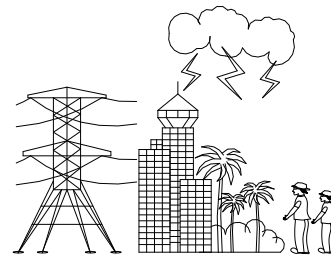


LOCATE AN APPROPRIATE LOCATION

远离障碍物及人群

To ensure the safety of yourself, others, and your model, do not fly near airports, buildings, roads, crowded areas, or high voltage cables. R/C helicopters can fly at high speed and have rotor blades spinning at high RPM, posing a certain degree of potential danger during operation. Choose a legal and safe flying field consisting of flat, smooth ground without obstacles, people, animals, etc. with ample clear space. Flying over long grass can reduce damage in the event of a crash. Do not fly your model in inclement weather such as rain, snow, darkness, or wind.

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，请遵守当地的法律法规到合法的遥控飞行场地去飞行。必须注意周边有没有人、高楼、建筑物、高压电线、树木等等，避免操控的不当造成自己或他人的财产损失。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飞行，这对于飞行失误所造成的损伤将会大幅的降低。请勿在下雨天、打雷等恶劣天气下操作，以确保本身及机体的安全。

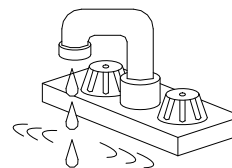


AVOID MOISTURE 远离潮湿环境

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!

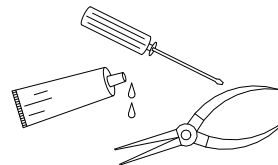
直升机内部也是由精密的电子零件组成，所以必须绝对的防止潮湿或水气，避免在浴室或雨天时使用，防止水气进入机身内部而导致机件及电子零件故障而引发不可预期的意外！



MALOPERATION 勿不当使用本产品

Please only use genuine OMPHOBBY replacement parts to ensure correct and reliable operation. Using non-standard or damaged parts will void the product warranty and can cause danger, injury, or death. The product is designed for R/C modeling, and should not be used for other purposes.

请勿自行改造加工，任何的升级改装或维修，请使用三源电子科技产品目录中的零件，以确保结构的安全。请确认于产品限界内操作，请勿超载使用，并勿用于安全、法令外其他非法用途。



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

Before turning on your model and transmitter, check with other RC model users in the area to ensure that it is safe to fly. For inexperienced pilots, the guidance provided by an experienced pilot can be invaluable for the assembly, repair, setup, tuning, trimming, and first flight. It is recommended to use a computer-based simulator to practice before flying the model for the first time.

至飞行场地前，需确认是否有相同频率的同好正在飞行，因为开启相同的频率的发射机将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有着一定的难度，要尽量避免独自操作飞行，需有经验的人士在旁指导，才可以操控飞行。(勤练电脑模拟器及老手指导是入门必要的选择)



SAFE OPERATION 安全操作

Operate this helicopter within your ability. Do not fly under the influence of perception-altering substances or when you are sleep deprived.

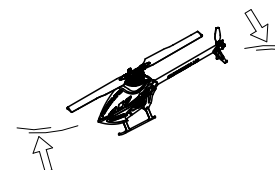
请于自己能力内及需要一定技术范围内操作这台直升机，过于疲劳，精神不佳或不当操作，意外发生风险将可能会提高。



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

Special caution should be given to the main and tail rotor blades. During operation, the main and tail rotor blades spin at very high rotational speeds. Rotor blades are capable of inflicting serious injury/death and can cause damage to the surrounding environment.

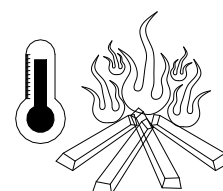
当直升机主旋翼与尾旋翼运转时，切勿触摸并远离任何物件，以避免造成危险及损坏。

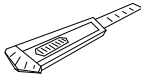

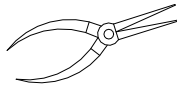
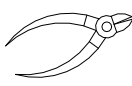
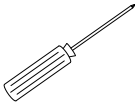
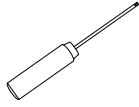
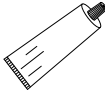




KEEP AWAY FROM HEAT 远离热源

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

遥控飞机多半是以PA纤维或聚乙烯、电子商品为主要材质，因此要尽量远离热源、日照、以避免因高温而变形甚至熔毁损坏的可能。



 Utility Knife 刀子	 Scissors 剪刀	 Needle Nose Pliers 尖嘴钳	 Diagonal Cutting Pliers 斜口钳
 Phillips Screw Driver 十字螺丝起子	 Hexagon Screw Driver 六角螺丝起子	 Oil 润滑油	 CA Glue 瞬间胶
			 2-Part Epoxy AB胶

胶水使用方法

Please follow the guidance according to the legend provided. Unless otherwise noted, all screws should be fully tightened.

标有以下符号之组装步骤，请配合上胶或上油，以确保使用之可靠度。



Apply BLUE Threadlock
使用螺丝胶



Apply Petroleum-Based,
Light Viscosity Lube
添加润滑油



Loosely Tighten
普通拧紧



Apply NO Threadlock
无需使用螺丝胶



Apply Synthetic Grease
添加润滑油脂



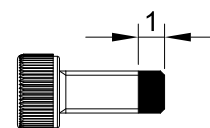
Fully Tighten
完全拧紧



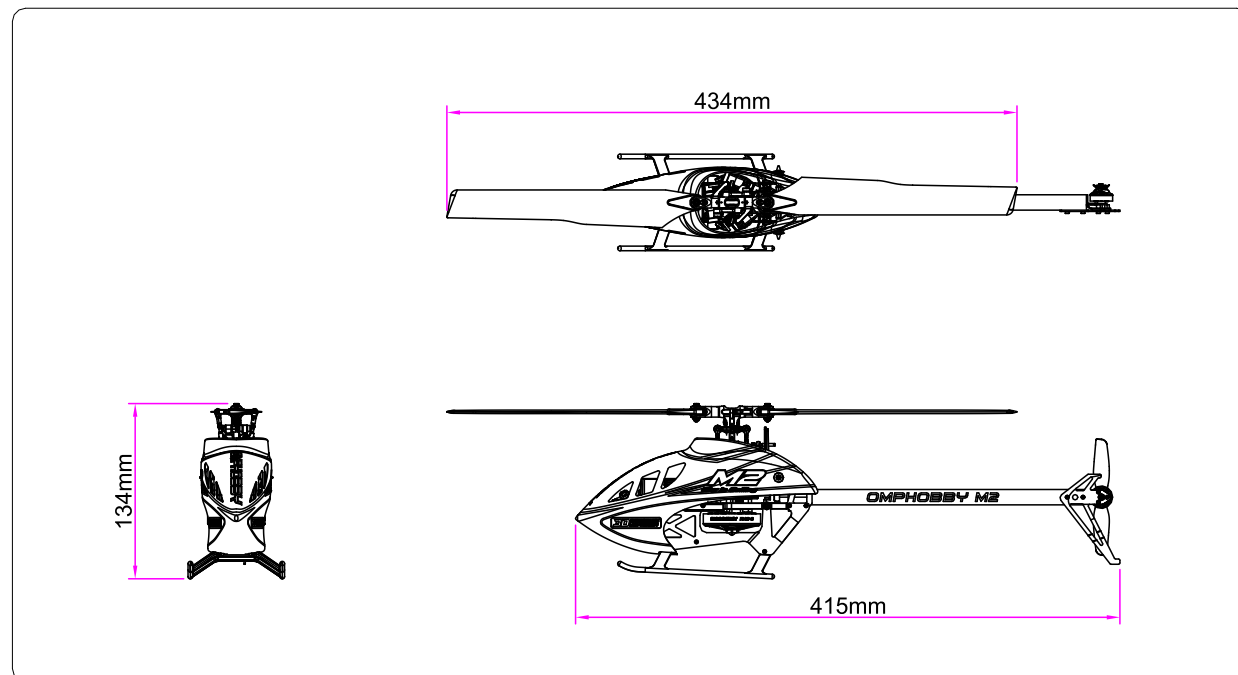
Apply MEDIUM CA
使用瞬间胶固定



Repeat Multiple Times
重复多次



Apply to the portion of threads defined in
the mark. (Example, 1 mm)
蓝色螺丝胶上胶宽度约1.0mm



Specifications 参数配备

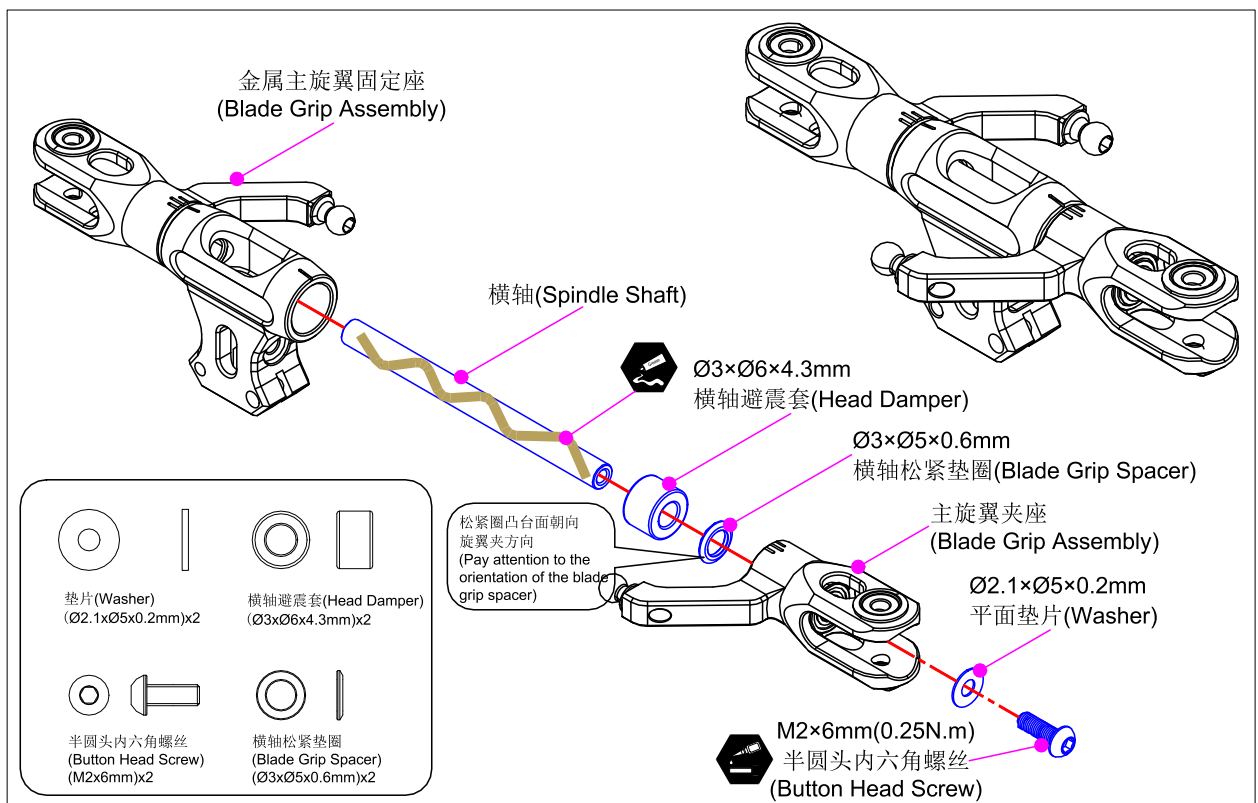
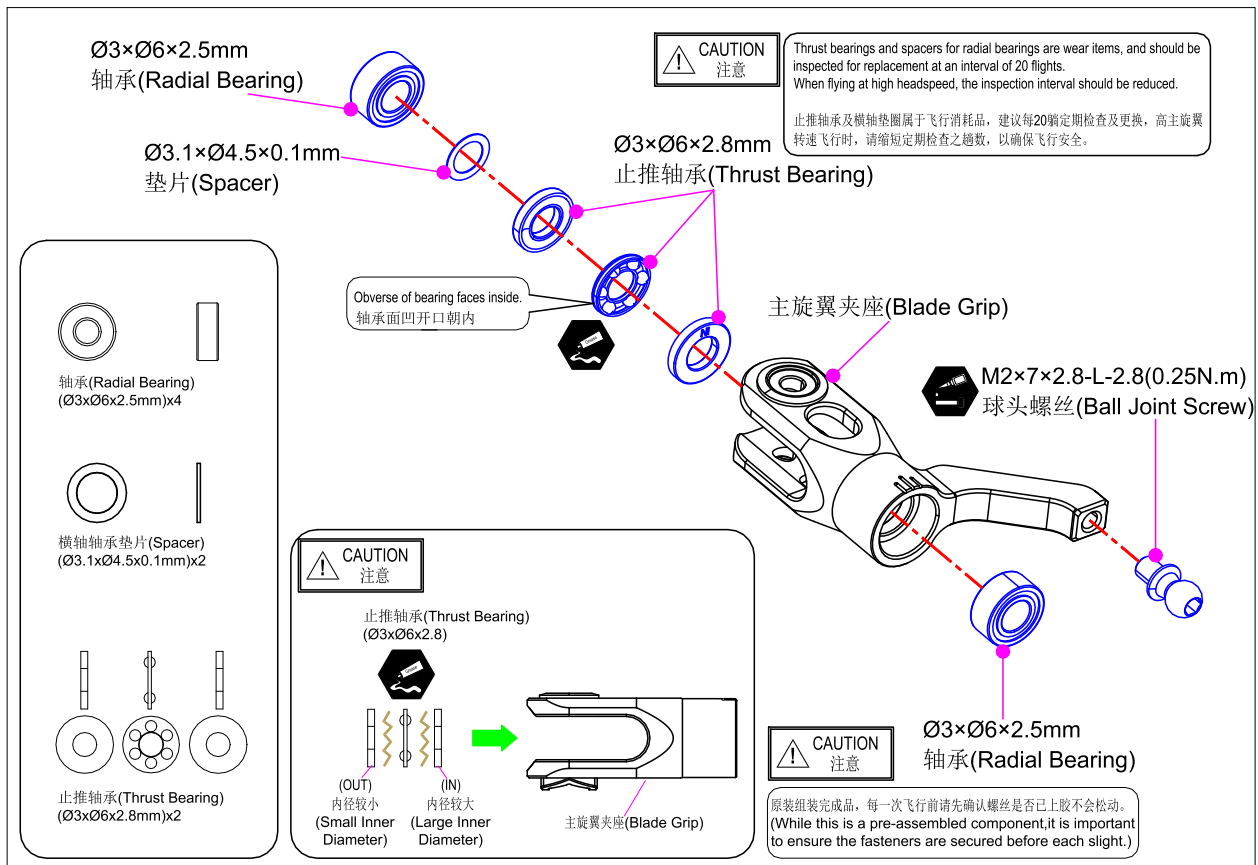
- Length: 415mm
- Height: 134mm
- Main Blade: 190mm
- Main Rotor Diameter: 434mm
- Tail Rotor Diameter: 89mm
- Flying Weight: 320g

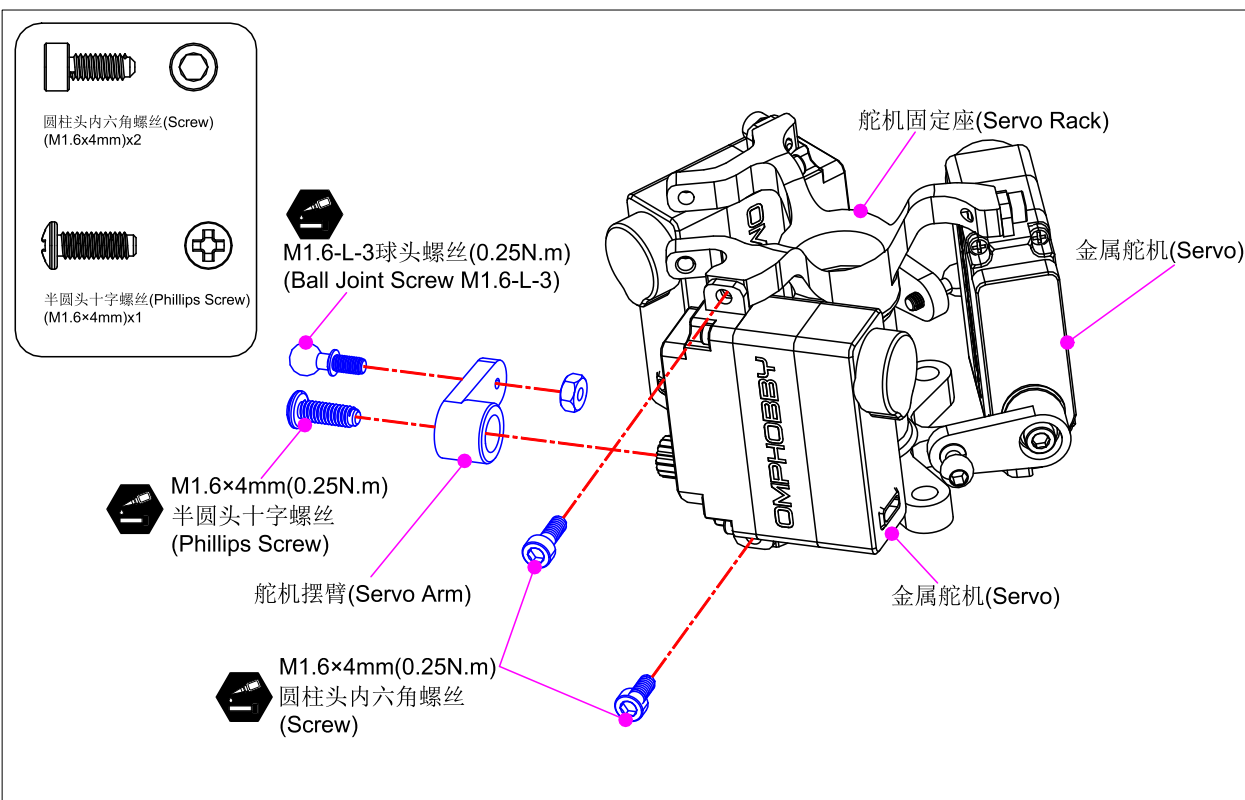
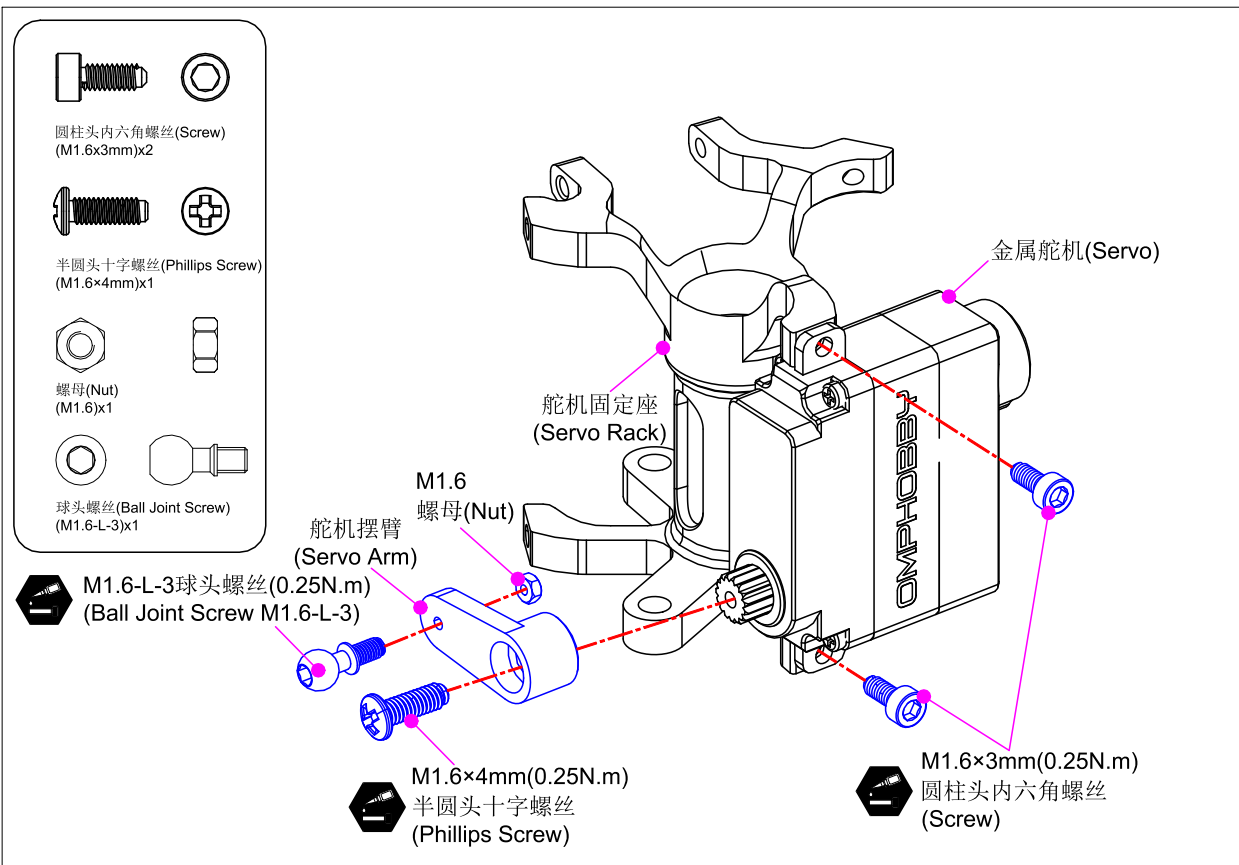
- 机身长: 415mm
- 机身高: 134mm
- 主旋翼长度: 190mm
- 主旋翼直径: 434mm
- 尾旋翼直径: 89mm
- 起飞重量约: 320g

Features 设计特点

- Direct drive main and tail rotor design with dual brushless motors
- All metal 7075 aluminum alloy material flybarless head design
- Lightweight design of all carbon fiber body side panels and tailpipes
- Streamlined low wind resistance hood design
- OFS Third Generation Flight Control System
- Attitude stabillization mode and 3D lock mode switch freely

- 采用双无刷电机直接驱主尾旋翼设计
- 全金属7075铝合金材质无副翼旋翼头设计
- 机身侧板、尾管全碳纤维轻量化设计
- 流线型低风阻机头罩设计
- OFS第三代飞控控制系统
- 姿态增稳模式和3D锁定模式自由切换







轴承(Radial Bearing)
($\varnothing 4 \times \varnothing 9 \times 4$ mm)x1



半圆头内六角螺丝
(Button Head Screw)
(M2.5 \times 10mm)x3

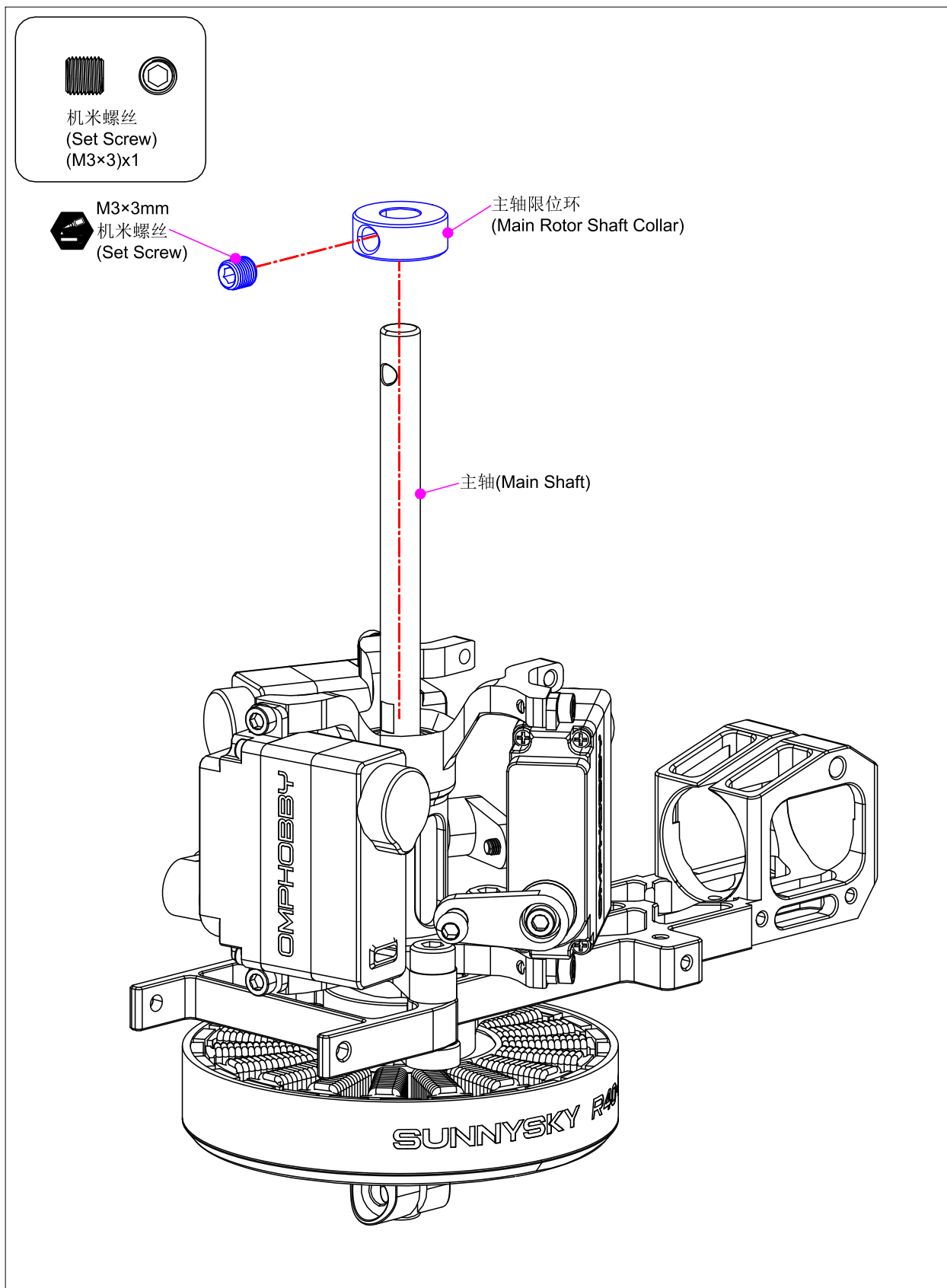


M2.5 \times 10mm(0.3N.m)
半圆头内六角螺丝
(Button Head Screw)

$\varnothing 4 \times \varnothing 9 \times 4$ mm
轴承(Radial Bearing)

主板(Main Plate)

主电机(Main Motor)

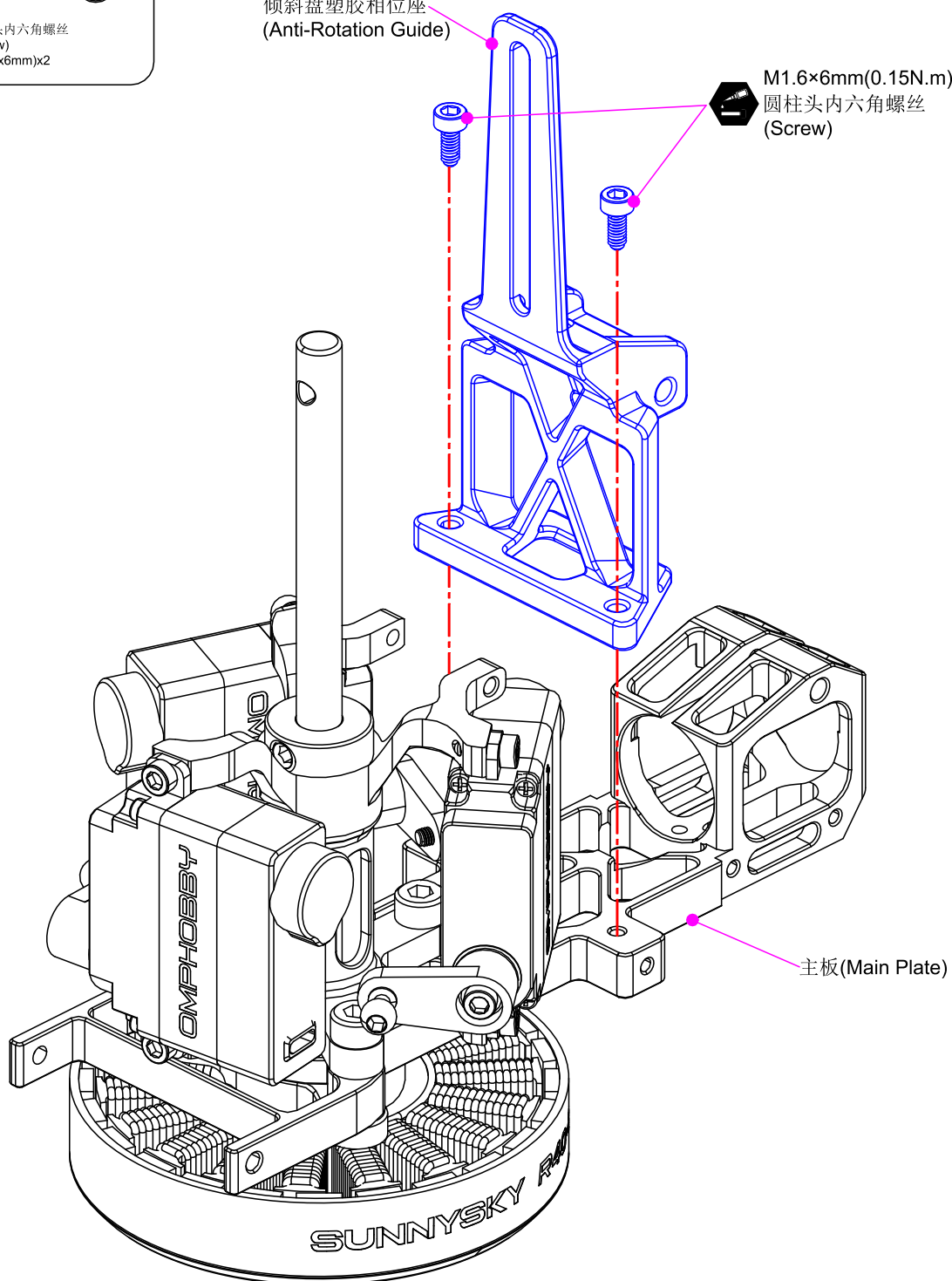


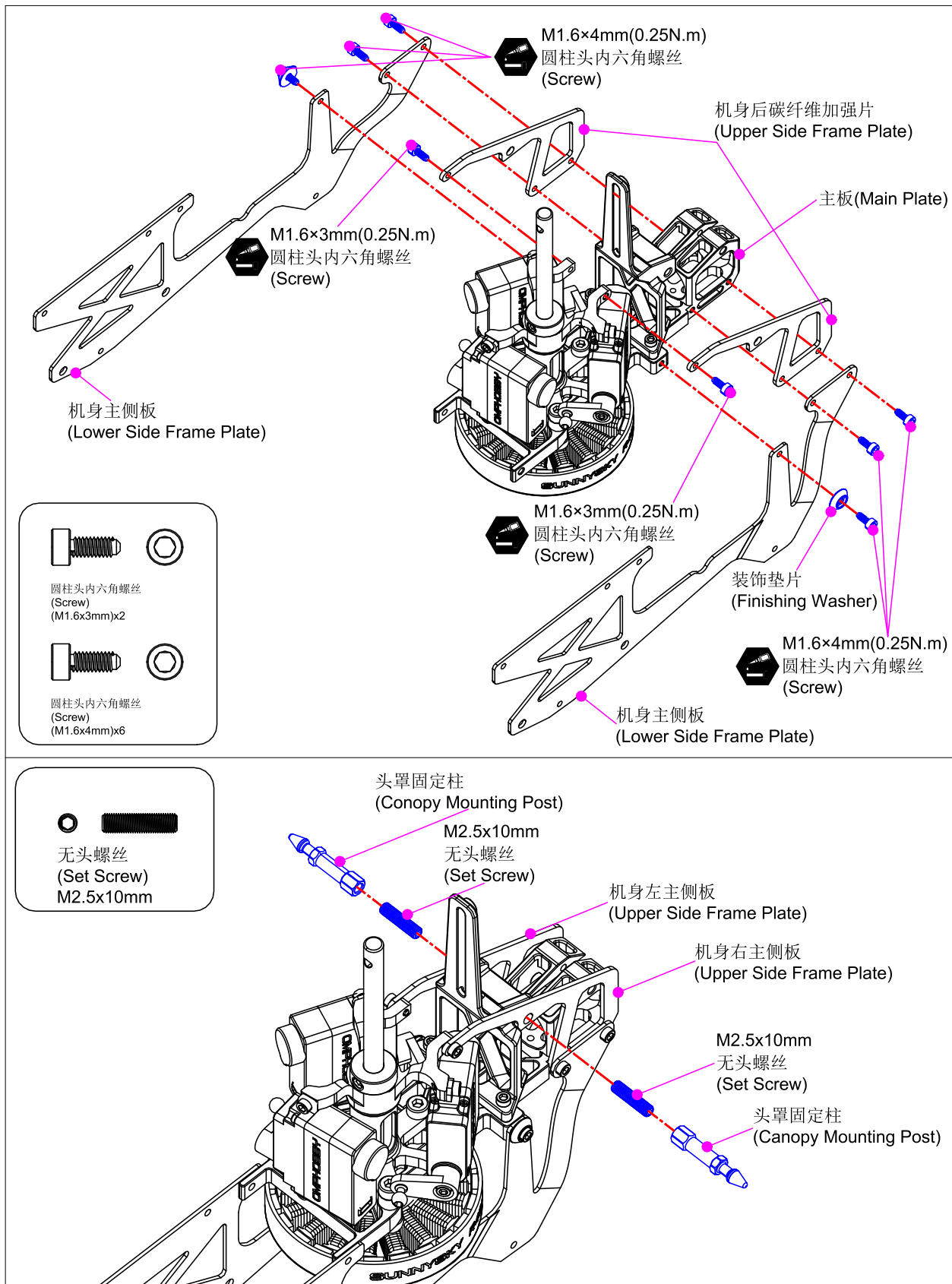


圆柱头内六角螺丝
(Screw)
(M1.6x6mm)x2

倾斜盘塑胶相位座
(Anti-Rotation Guide)

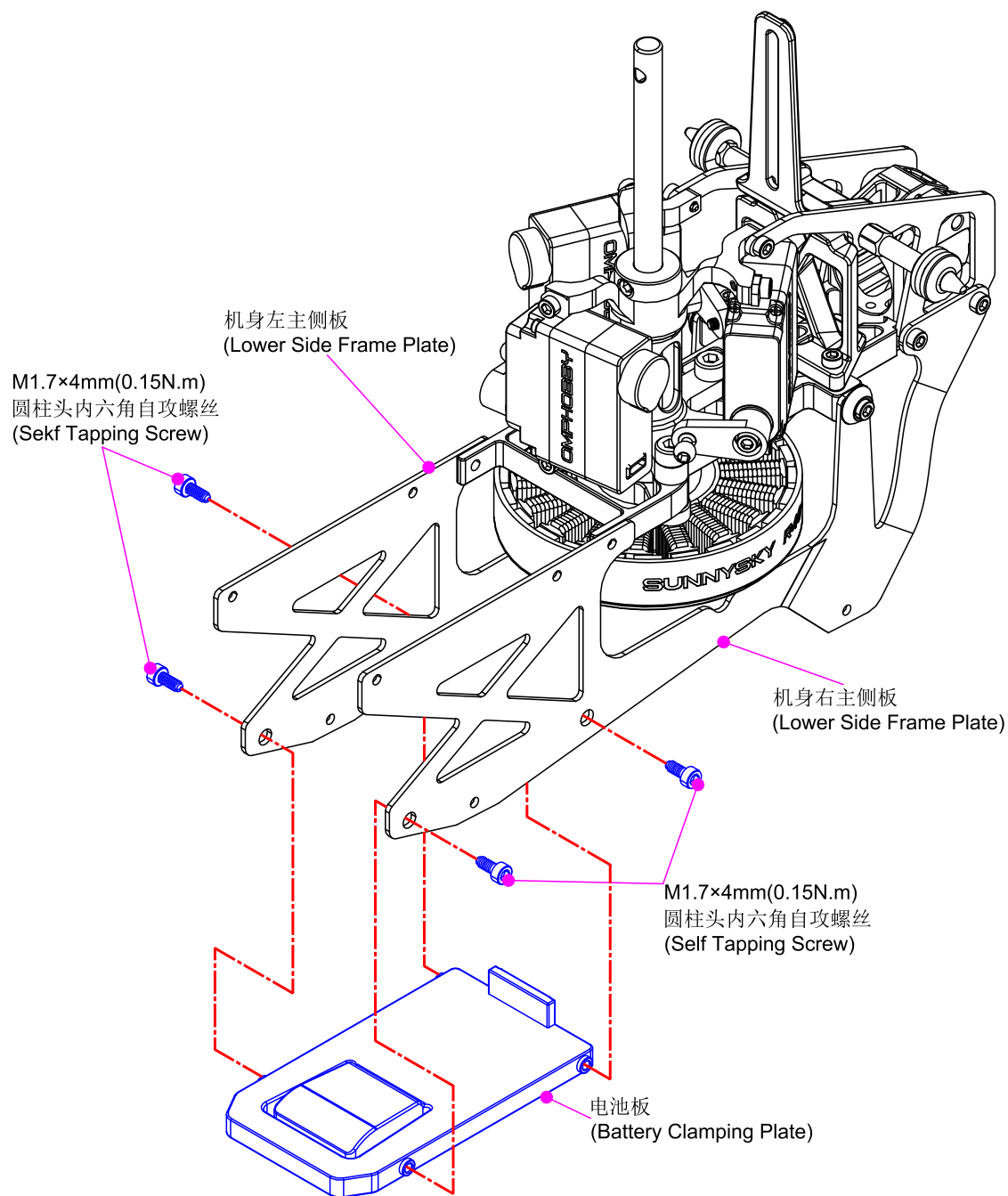
M1.6×6mm(0.15N.m)
圆柱头内六角螺丝
(Screw)





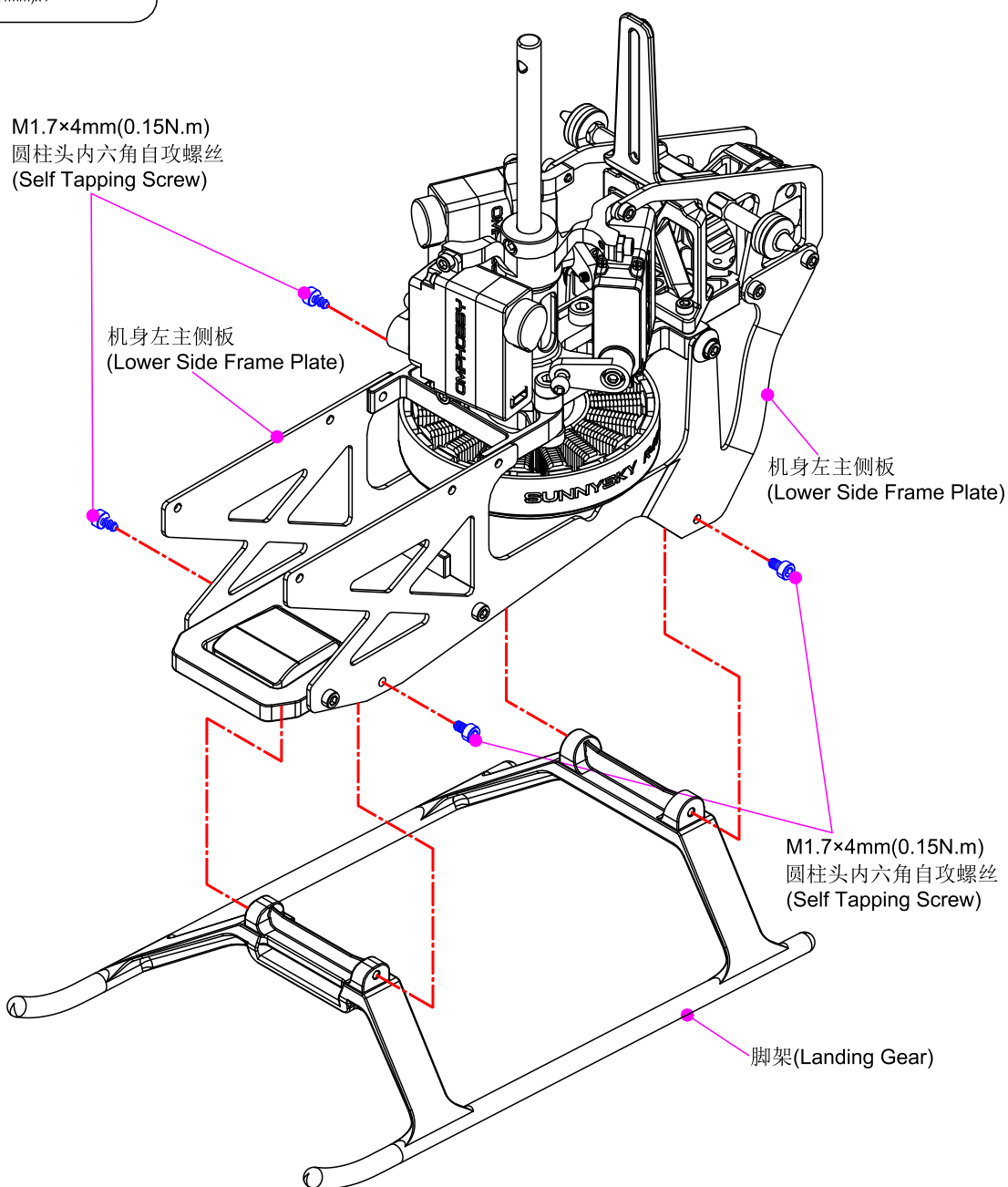


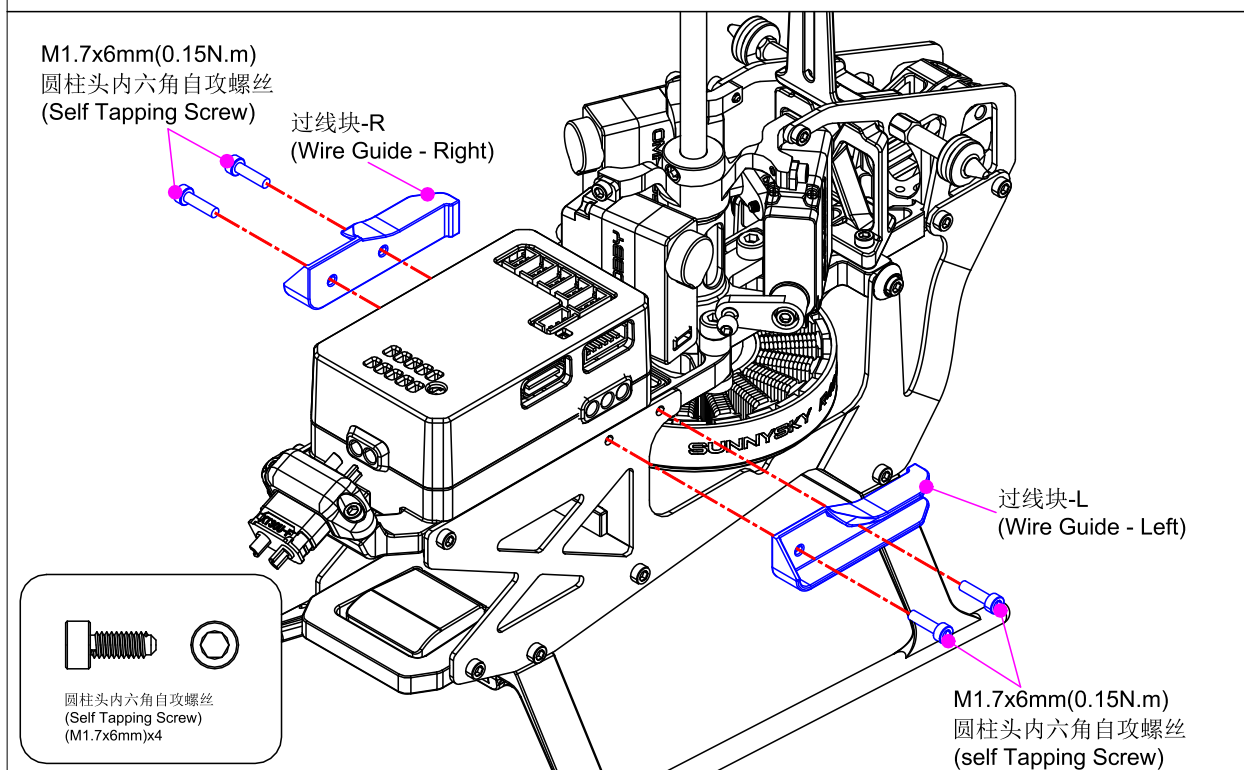
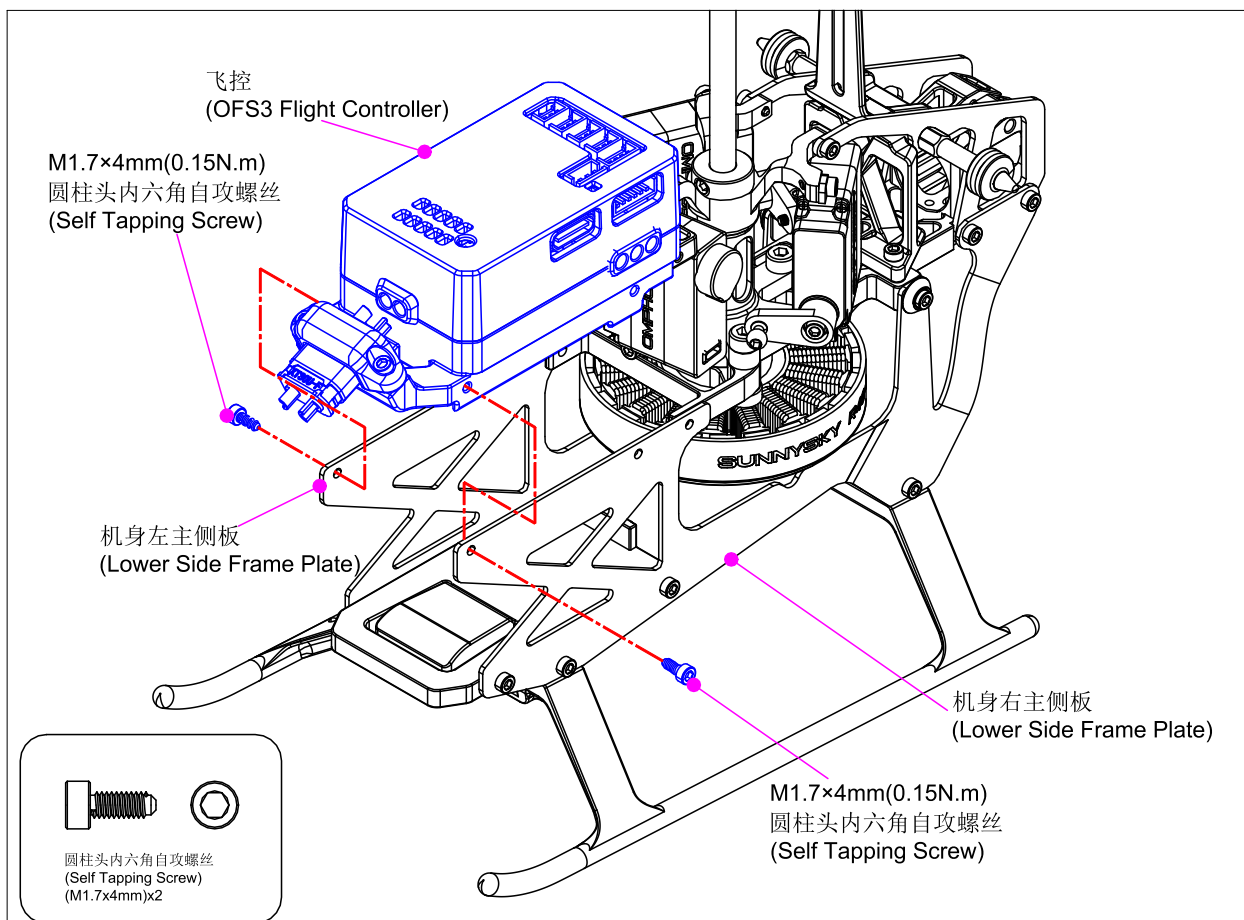
圆柱头内六角自攻螺丝
(Self Tapping Screw)
(M1.7x4mm)x4

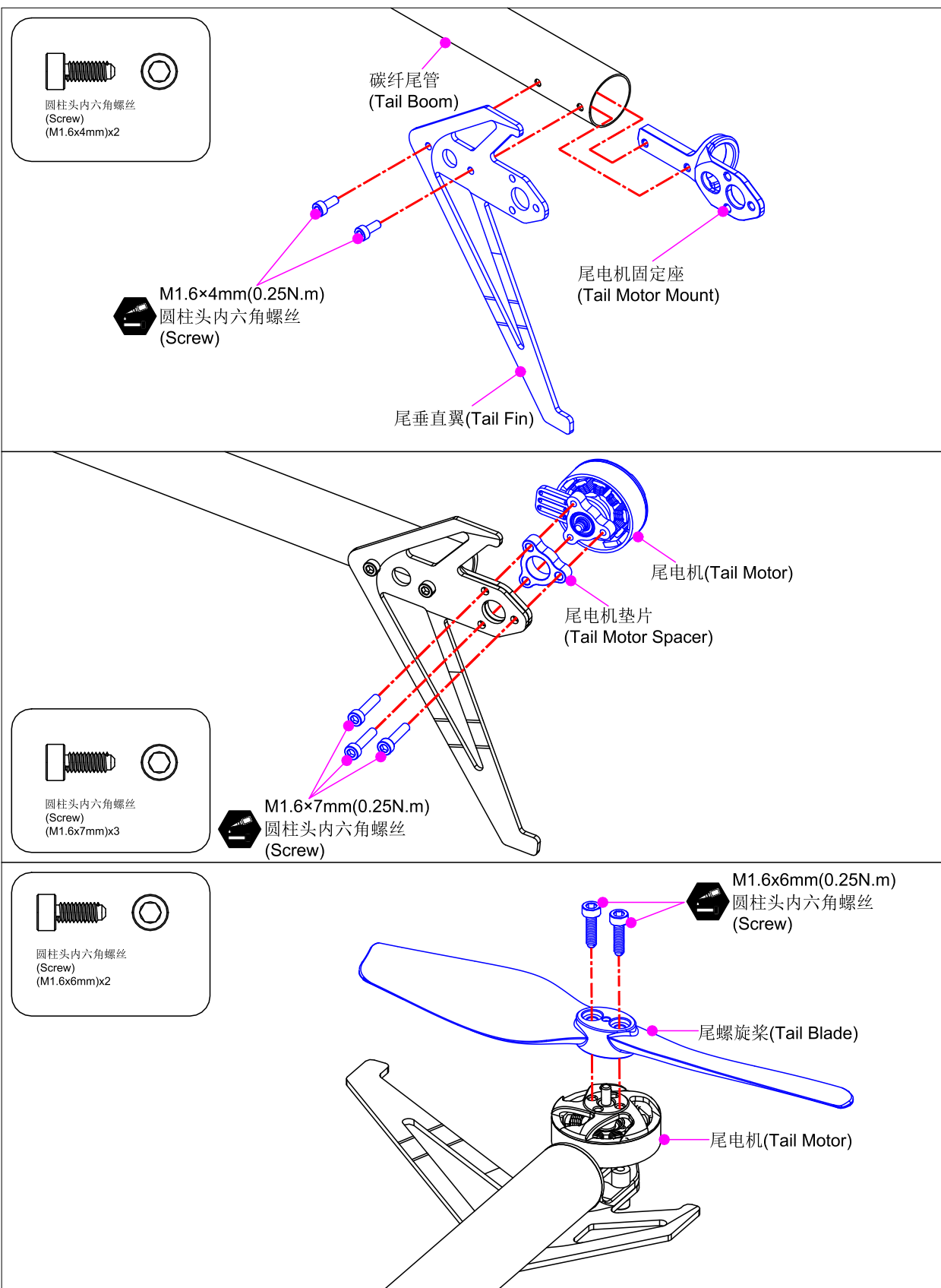


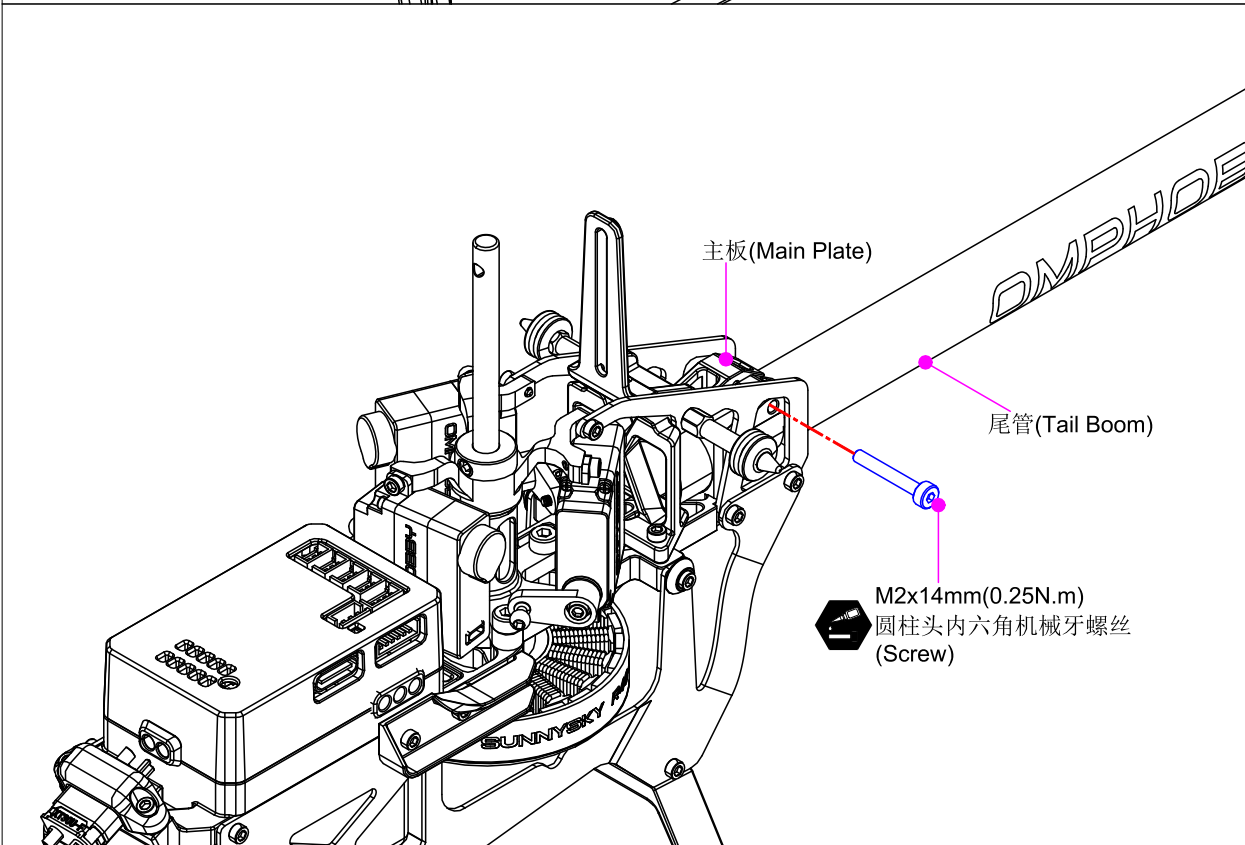
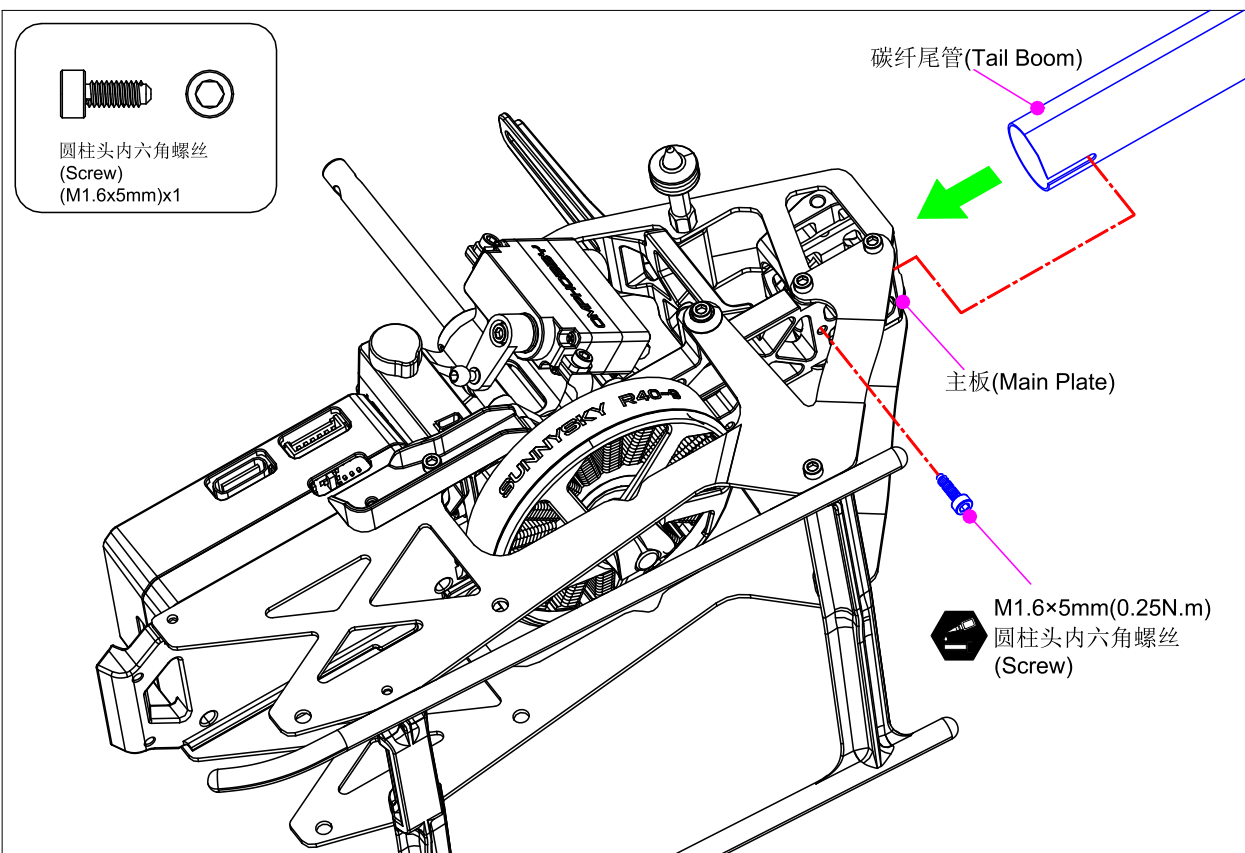


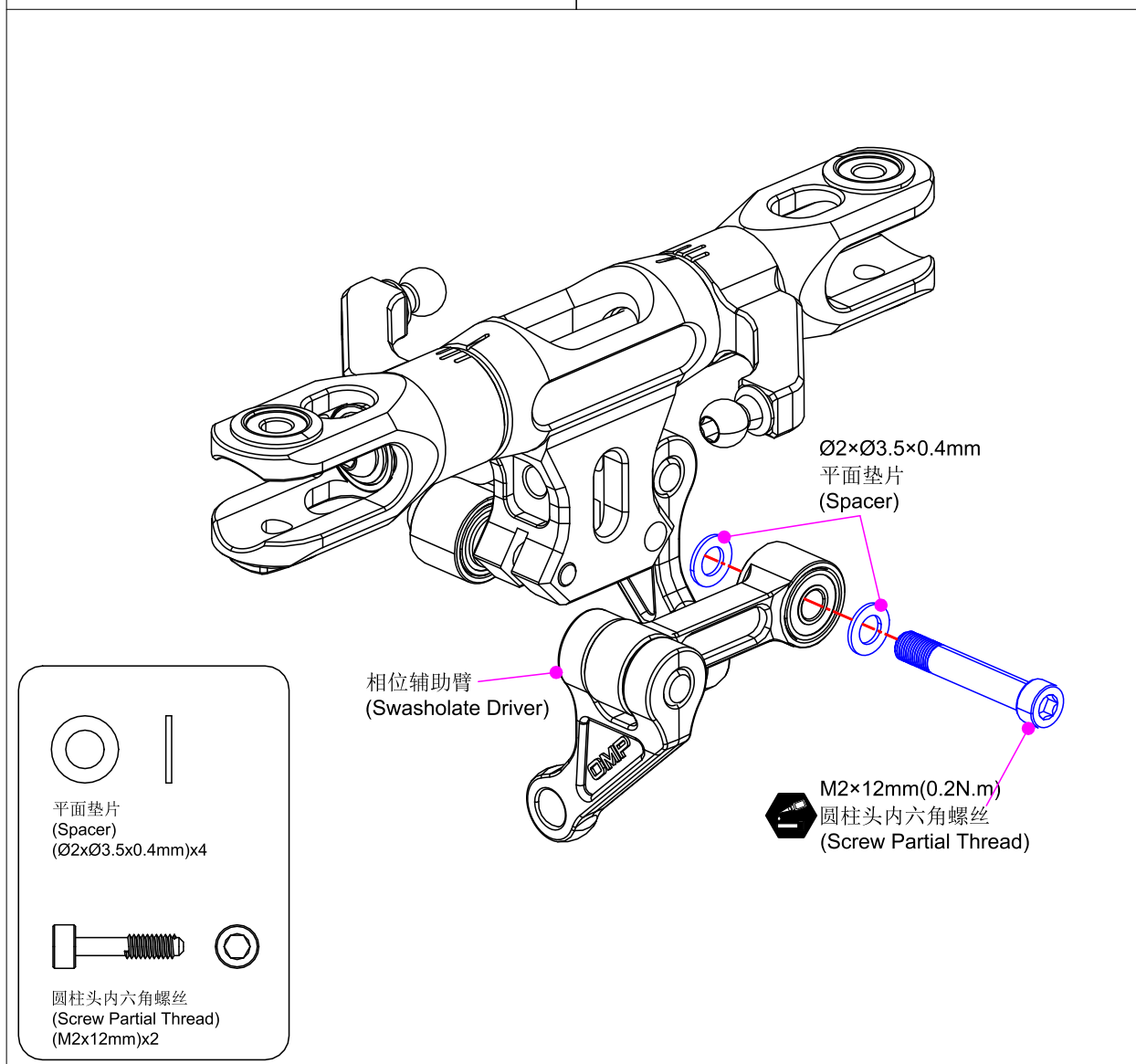
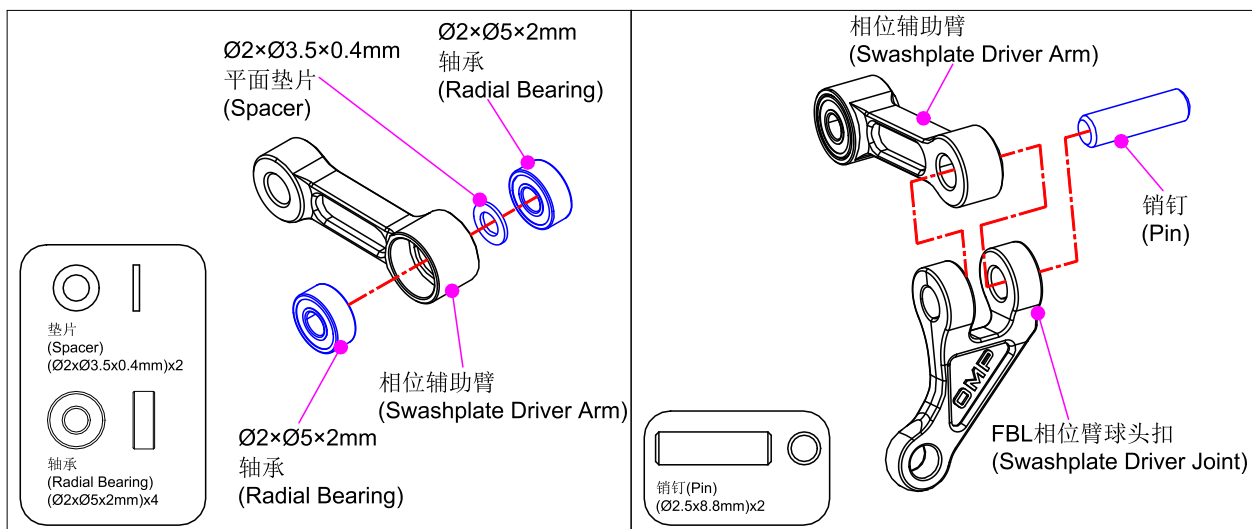
圆柱头内六角自攻螺丝
(Self Tapping Screw)
(M1.7x4mm)x4

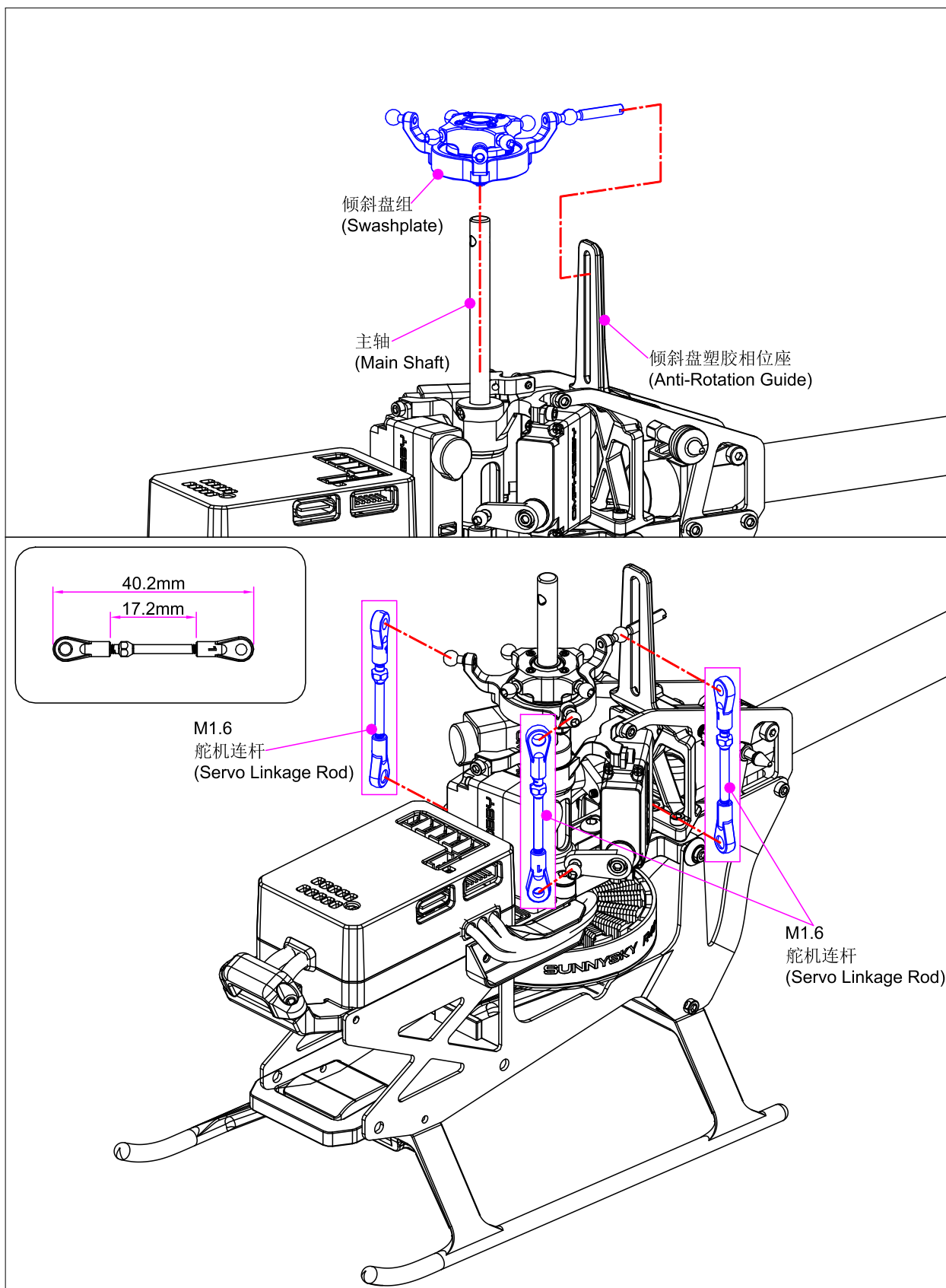


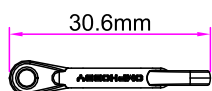
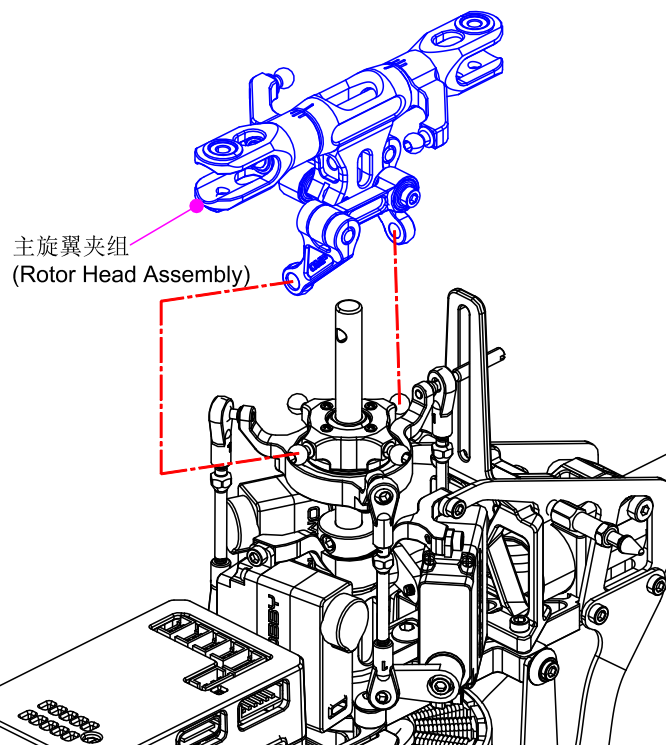




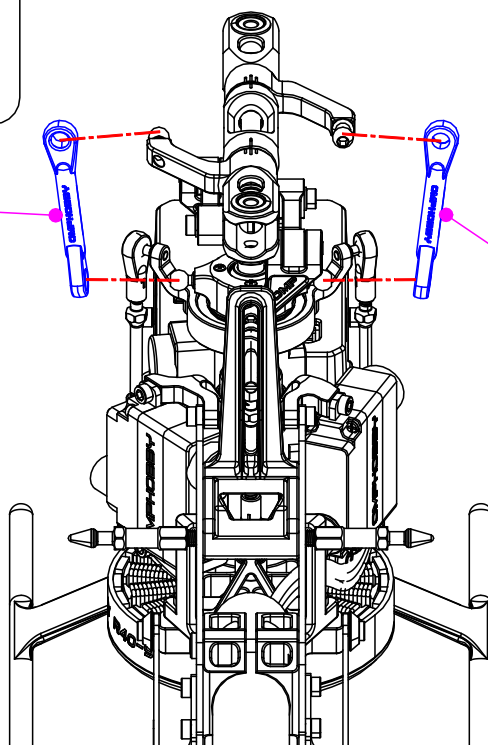




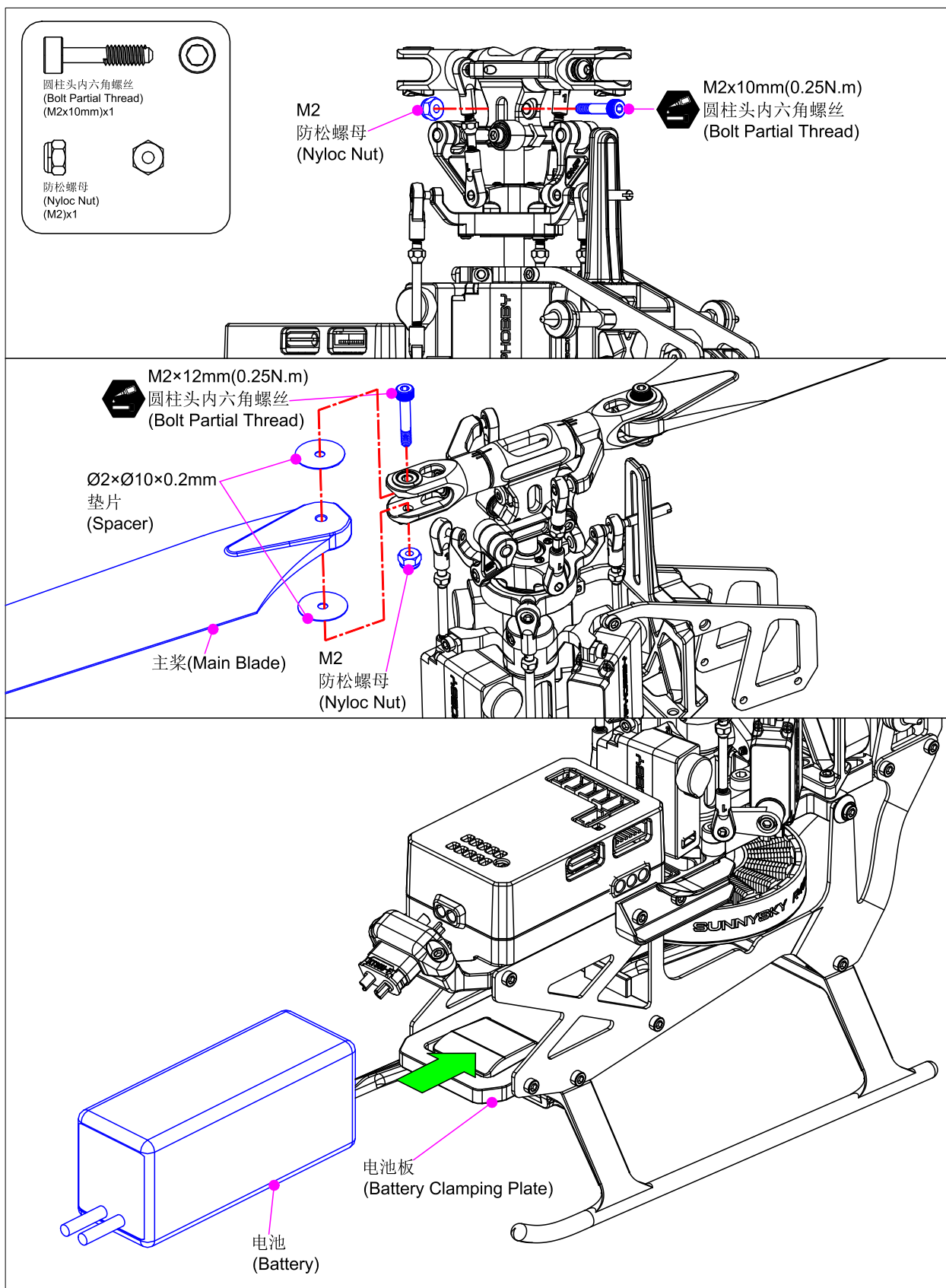


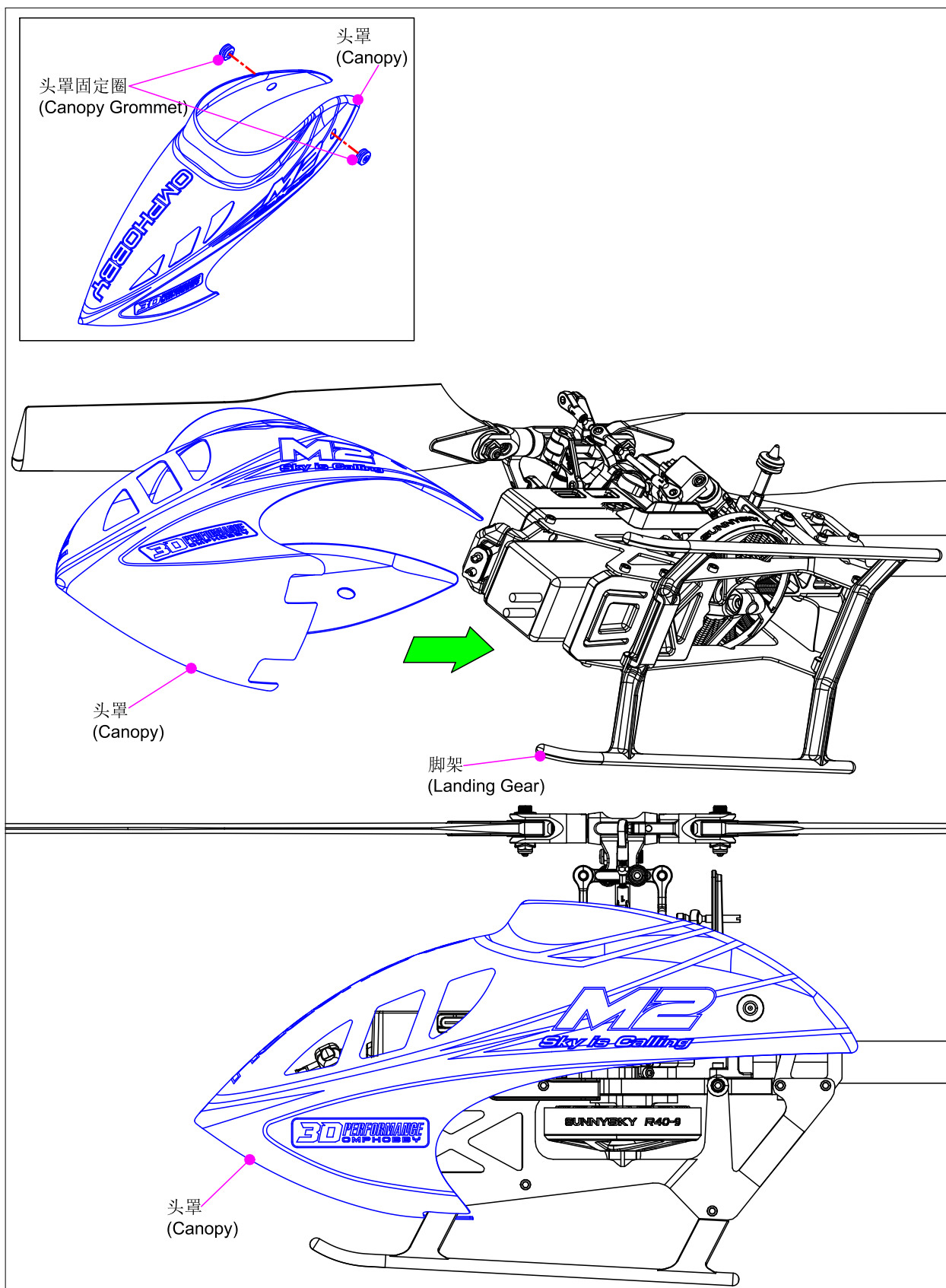


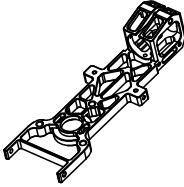
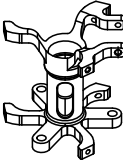
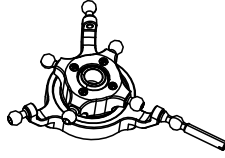
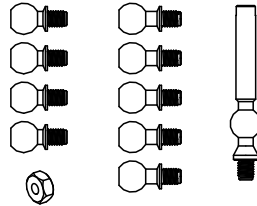
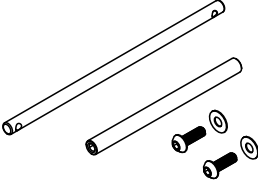

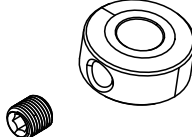
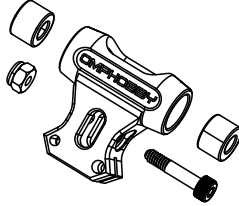
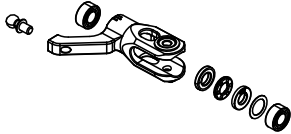


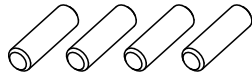
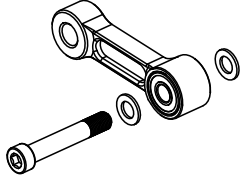
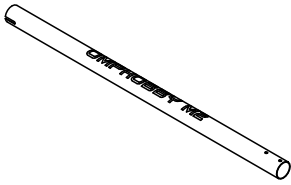
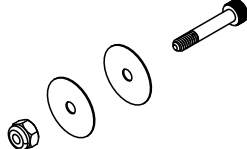
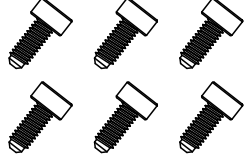
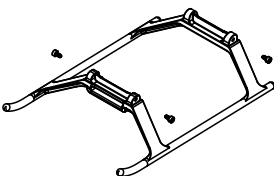
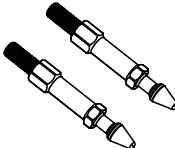

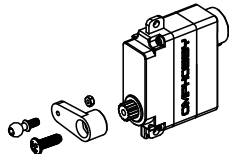
Ø3×30.6mm
螺距连杆
(Pitch Link)


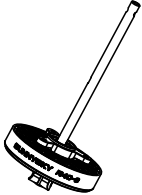
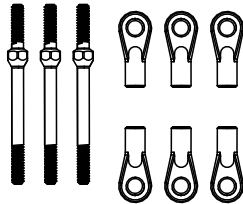
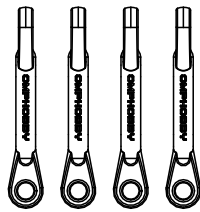
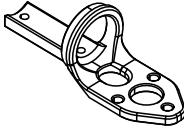
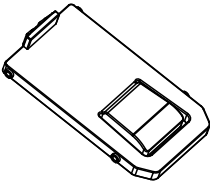
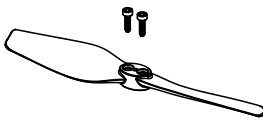


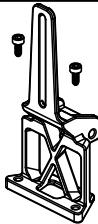
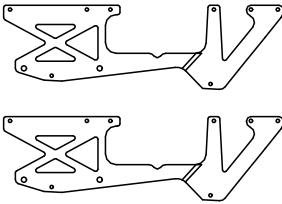
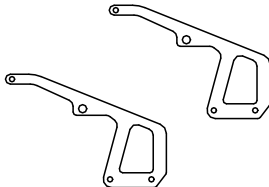
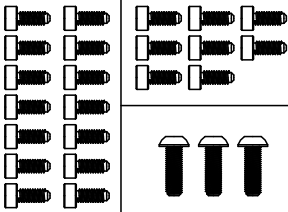

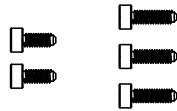
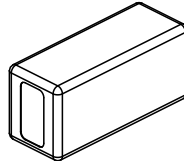
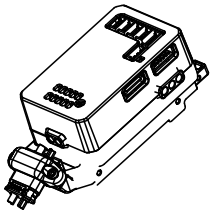
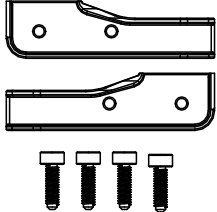
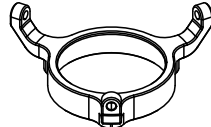



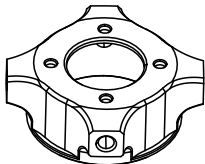
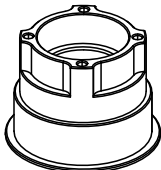
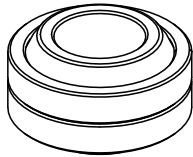
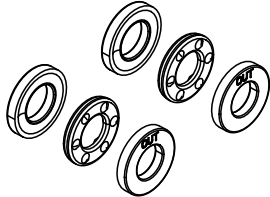
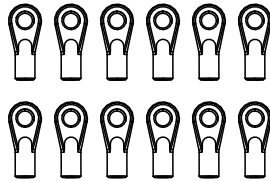
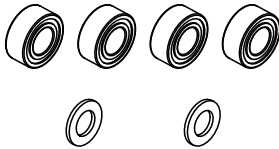
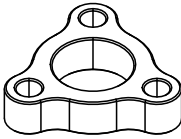
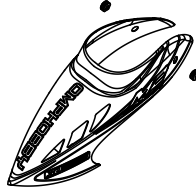
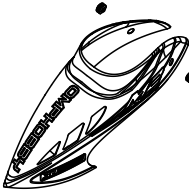
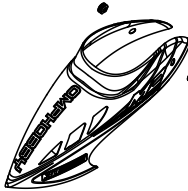
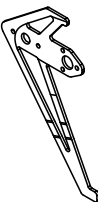
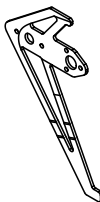
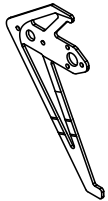
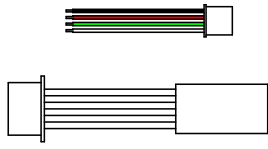

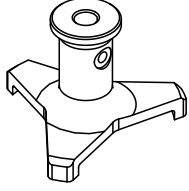
Ø3×30.6mm
螺距连杆
(Pitch Link)





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Part Number: OSHM2405 配件编号: OSHM2405 Product name: Shaft Set 配件名称: 主轴、横轴组 	Part Number: OSHM2406 配件编号: OSHM2406 Product name: Blade Grip Spacer 配件名称: 主横轴接触垫片 	Part Number: OSHM2010 配件编号: OSHM2010 Product name: Main Rotor Shaft Collar 配件名称: 主轴限位环 	Part Number: OSHM2408 配件编号: OSHM2408 Product name: Main Rotor Yoke 配件名称: 主轴中心座组 
Part Number: OSHM2409 配件编号: OSHM2409 Product name: Main Rotor Blade Grip 配件名称: 主轴中心座组 	Part Number: OSHM2048 配件编号: OSHM2048 Product name: Main Rotor Blade Grip Bearing Set 配件名称: 主桨轴轴承 	Part Number: OSHM2411 配件编号: OSHM2411 Product name: Swashplate Driver Joint Set 配件名称: FBL相位臂球头扣 	Part Number: OSHM2412 配件编号: OSHM2412 Product name: Swashplate Driver Pin Set 配件名称: FBL相位臂球头扣销钉 
Part Number: OSHM2413 配件编号: OSHM2413 Product name: Swashplate Driver Aem 配件名称: FBL相位臂组 	Part Number: OSHM2414 配件编号: OSHM2414 Product name: Tail Boom 配件名称: 尾管 	Part Number: OSHM2129 配件编号: OSHM2129 Product name: Main Rotor Bolt Set 配件名称: 主桨螺丝组 	Part Number: OSHM2416 配件编号: OSHM2416 Product name: Servo Screw Set 配件名称: 舵机固定座螺丝组 
Part Number: OSHM2417 配件编号: OSHM2417 Product name: Landing Gear 配件名称: 脚架组 	Part Number: OSHM2418 配件编号: OSHM2418 Product name: Canopy Mounting Post Set 配件名称: 头罩固定柱 	Part Number: OSHM2058 配件编号: OSHM2058 Product name: Canopy Grommet Set 配件名称: 头罩固定圈 	Part Number: OSHM2122 配件编号: OSHM2122 Product name: Servo 配件名称: 金属舵机-(金属外壳) 

Part Number: OSHM2421 配件编号: OSHM2421 Product name: Tail Motor 配件名称: 尾电机	Part Number: OSHM2422 配件编号: OSHM2422 Product name: Main Motor 配件名称: 主电机	Part Number: OSHM2423 配件编号: OSHM2423 Product name: Servo Linkage Set 配件名称: 舵机连杆组	Part Number: OSHM2424 配件编号: OSHM2424 Product name: Pitch Link Set 配件名称: 螺距连杆组
			
Part Number: OSHM2425 配件编号: OSHM2425 Product name: Tail Motor Mount 配件名称: 尾电机固定座	Part Number: OSHM2426 配件编号: OSHM2426 Product name: Battery Clamping Plate 配件名称: 电池板	Part Number: OSHM2427 配件编号: OSHM2427 Product name: Tail Blade 配件名称: 尾桨组	Part Number: OSHM2428 配件编号: OSHM2428 Product name: APEX190 Main Blade Set 配件名称: 主桨
			
Part Number: OSHM2429 配件编号: OSHM2429 Product name: Canopy - Orange 配件名称: 机头罩-橙	Part Number: OSHM2430 配件编号: OSHM2430 Product name: Anti - Rotation Guide 配件名称: 相位座组	Part Number: OSHM2431 配件编号: OSHM2431 Product name: Lower Side Frame Plate Set 配件名称: 机身侧板	Part Number: OSHM2432 配件编号: OSHM2432 Product name: Upper Side Frame Plate Set 配件名称: 机身碳纤维加强片
			
Part Number: OSHM2433 配件编号: OSHM2433 Product name: Screw Set 配件名称: 机身螺丝组	Part Number: OSHM2434 配件编号: OSHM2434 Product name: Tail Fin - Orange 配件名称: 垂直翼组-橙	Part Number: OSHM2435 配件编号: OSHM2435 Product name: Tail Assembly Screw Set 配件名称: 尾梁螺丝组	Part Number: OSHM2329 配件编号: OSHM2329 Product name: Battery 配件名称: 电池
			
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Part Number: OSHM2441 配件编号: OSHM2441 Product name: Swashplate Inner Ring 配件名称: 倾斜盘内壳 	Part Number: OSHM2442 配件编号: OSHM2442 Product name: Swashplate Hub 配件名称: 倾斜盘内壳 	Part Number: OSHM2443 配件编号: OSHM2443 Product name: Spherical Bearing 配件名称: 倾斜球固定座组 	Part Number: OSHM2005 配件编号: OSHM2005 Product name: Thrust Bearing 配件名称: 止推轴承 
Part Number: OSHM2445 配件编号: OSHM2445 Product name: Ball Joint Socket Set 配件名称: 连杆球头扣 	Part Number: OSHM2446 配件编号: OSHM2446 Product name: Swashplate Driver Bearing Set 配件名称: FBL相位臂轴承组 	Part Number: OSHM2447 配件编号: OSHM2447 Product name: Tail Motor Spacer 配件名称: 尾电机座垫片 	Part Number: OSHM2448 配件编号: OSHM2448 Product name: Canopy - Plasma Pink 配件名称: 机头罩-粉 
Part Number: OSHM2449 配件编号: OSHM2449 Product name: Canopy - Viper Yellow 配件名称: 机头罩-黄 	Part Number: OSHM2450 配件编号: OSHM2450 Product name: Canopy - Velocity Green 配件名称: 机头罩-绿 	Part Number: OSHM2451 配件编号: OSHM2451 Product name: Tail Fin - Plasma Pink 配件名称: 垂直翼组-粉 	Part Number: OSHM2452 配件编号: OSHM2452 Product name: Tail Fin - Viper Yellow 配件名称: 垂直翼组-黄 
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