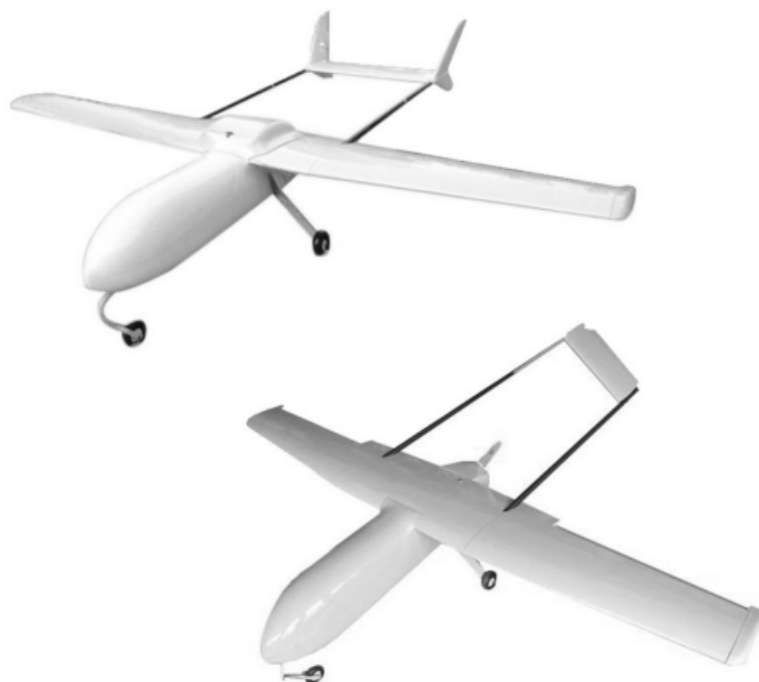




SKYEYE

SKY

SKY260/SKY322/SKY350



用户手册 V2.0

User Manual V2.0

2023.03



WWW.SKYEYEUAV.COM



产品概述 Product overview

简介 Introduction

SKY 系列是无人机大载重固定翼平台，它拥有三款翼展不同机型，分别是 2600mm/3220mm/3500mm；我们把主要材料从轻木改成了碳纤维，这样飞机就更耐用，重量也更轻。具有携带易用，操作友好，稳定可靠等特点。

SKY 系列定位为一款整体轻量化、系统模块化、装配简单化的固定翼，进一步降低航测门槛，进一步解放生产力、提高航测效率。

模块化设计理念让飞机组装工作简单快捷，可快拆机翼、可快拆尾翼、使飞机具有实用的便携性和友好的用户体验。开放式飞控舱兼容 Pixhawk/CUAV 飞控，超大载舱，满足多种不同环境作业。可应用于地形测绘、实景三维、农林牧防护、电力巡线、环保、水利等方面。

SKY series is a fixed-wing platform for UAV with large load. It has three types with different wingspans, namely 2600mm/3220mm/3500mm. We changed the main material from balsa wood to carbon fiber, which made the aircraft more durable and lighter. It is easy to carry, friendly to operate, stable and reliable.

SKY series is positioned as a fixed wing with overall lightweight, modular system and simple assembly. With progress, it lowers the threshold of aerial survey, further liberates productivity and improves the efficiency of aerial survey.

Modular design concept makes aircraft assembly simple and fast, can quickly remove wings, tail can be quickly removed, so that the aircraft has practical portability and friendly user experience. Open flight control cabin compatible with Pixhawk/CUAV flight control, oversized load cabin, to meet a variety of different environmental operations. It can be used in terrain mapping, 3D real scene, agriculture, forestry and animal husbandry protection, power line inspection, environmental protection, water conservancy and other aspects.

产品规格 Product specification

材质	玻璃钢 FRP	Material	Glass Reinforced Plastic
翼展	2600mm	Wingspan	2600mm
机身高	240mm	Body Height	240mm
机身长	2050mm	Body Length	2050mm
机翼面积	88 平方分米	Airfoil Area	88 square decimeters
巡航速度	90km/h	Cruising Speed	90km/h
最高速度	120km/h	Maximum Speed	120km/h
运输箱尺寸	118*44*45cm	Container Size	118*44*45cm
空载飞行时间	4 小时(5L 满油状态下)	No-load Flight Time	4 Hours (5L full fuel)
最大起飞重量	15kg	Maximum Take-off Weight	15kg
最大起飞高度	3000 (海拔)	Maximum Take-off Height	3000 (altitude)
实用升限高度	4500 (海拔)	Practical Veiling Height	4500 (altitude)
抗风能力	5 级 (正常作业)	Wind Resistance	Level 5 (normal operation)
起飞方式	跑道	Take-off Mode	runway
拆装方式	无工具快拆	Disassembly Mode	Quick disassembly without tools
载荷舱尺寸	56*22*19CM	Load Compartment Dimensions	56*22*19CM
失速速度	35km/h	Stall Speed	35km/h
空机总重量	6.5KG	Weight Empty Aircraft	6.5 KG
任务载荷	4KG	Task Load	4KG
最大飞行里程	300km	Maximum Flight Range	300km



产品使用注意事项 Usage Attentions

安装注意 Installation Attentions

1. 在焊接大电流连接器时，一定要注意焊接线序要相互对应，以免烧毁电调、舵机。
1. Pay attention to the wires welding sequence which should be corresponding to each other during the welding of large current connector. Or ESC and servo may suffer damages.
2. 副翼和尾翼推荐使用 SAVOX 0263 短身舵机，或者其他相同尺寸的舵机，便于舵机安装和尾翼快拆装置的安装。
2. We recommend the SAVOX 0263 servo, or other same size servo for the easy installing of servo and tail wings quick release devices.
3. 在安装发动机时注意调至水平。
3. Adjust the engine level when installing it.

飞行注意 Flying Attentions

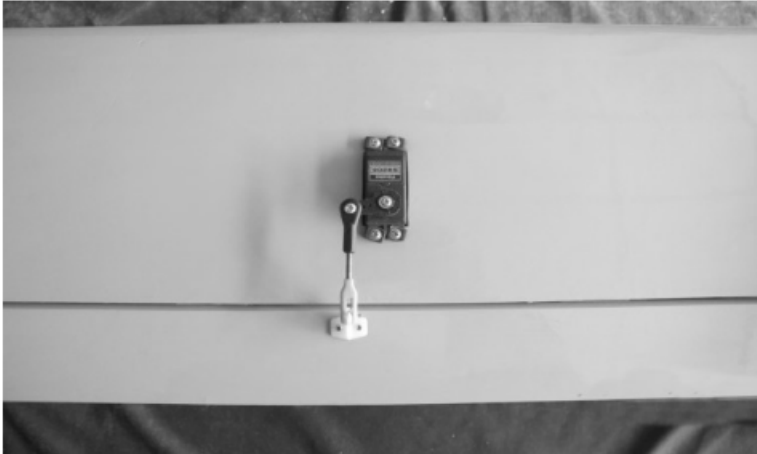
1. 请避免在 35m/h 以下的速度飞行转弯，以免飞机失速。
1. Avoid turning when the aircraft flying speed was less than 35m/s, or the aircraft may stall.
2. 飞行前请务必检查发动机、螺旋桨安装正确稳固，电调信号线和电源线插头连接紧固可靠。
2. Before flight, please check that the engine and propeller are installed correctly and securely, and that the electrical signal cables and power cables are securely connected.
3. 飞行时请远离不安全因数，如障碍物、人群、儿童、建筑物、高压线等。
3. When flying, keep away from unknown risks such as barrier, crowd, children, buildings, high-voltage wires and etc.
4. 务必在安全起飞重量下飞行，切勿在机场净空区范围飞行。
4. Takeoff below the maximum take-off weight and never fly in the restricted airspace zone.
5. 请按标识重心位置配重（下列图片展示）。
5. Please balance the weight according to the center of gravity (shown in the following pictures).



安装舵机 Install Servos



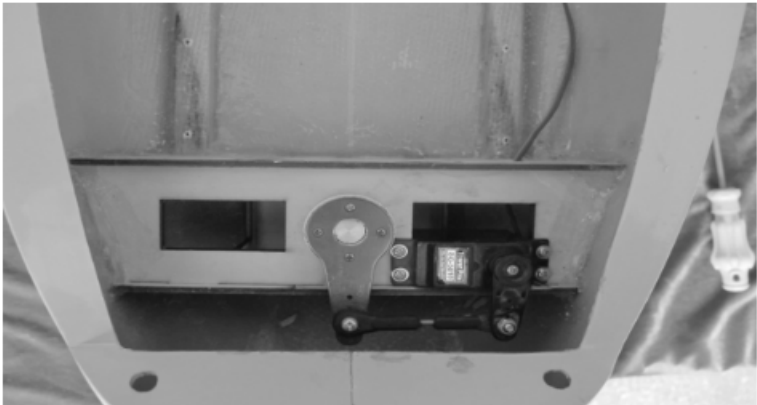
安装主翼舵机 Install main wing servos



安装水平尾伺服 Install horizontal tail servo

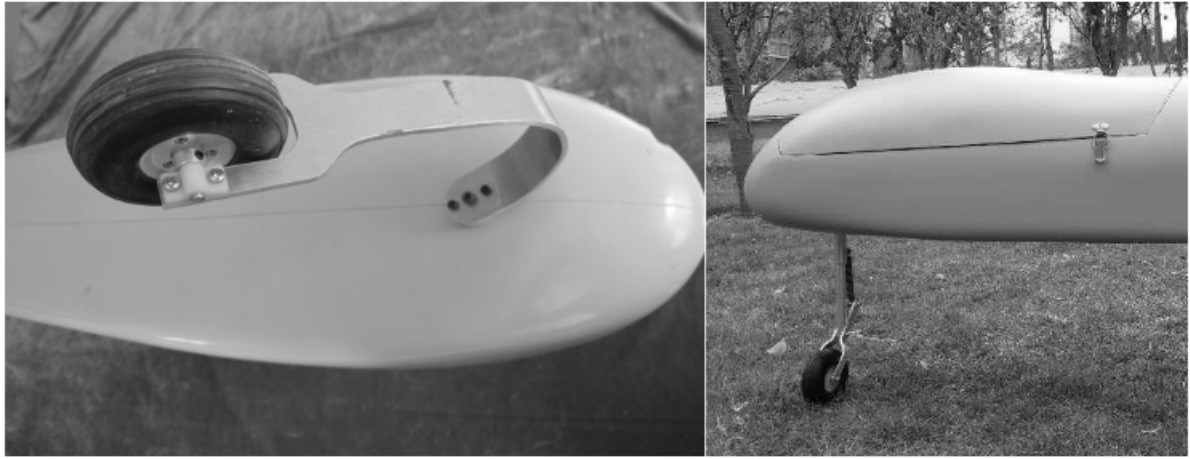


安装垂直尾伺服 Install vertical tail servo



安装前起落架伺服 Install servo for nose gear

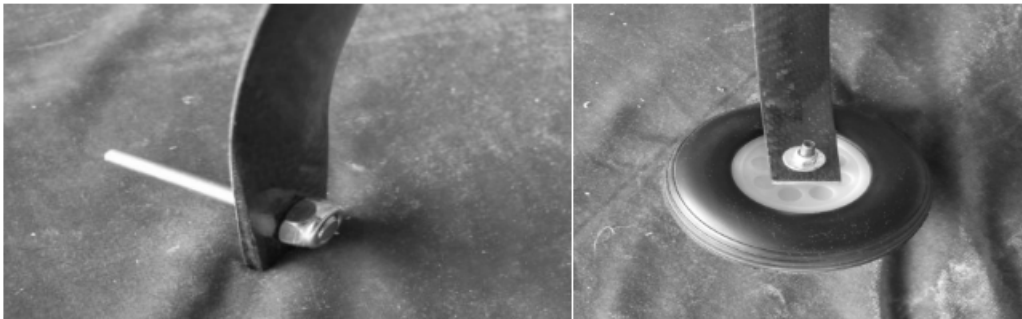
安装起落架 Install Landing Gear



前起落架已经升级新款起落架 The nose gear has been upgraded with new landing gear
安装前起落架 Install the nose gear

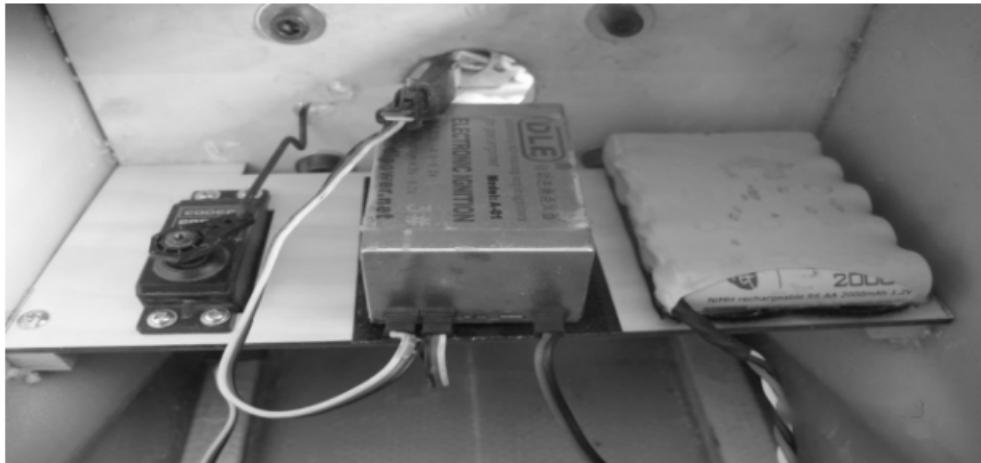
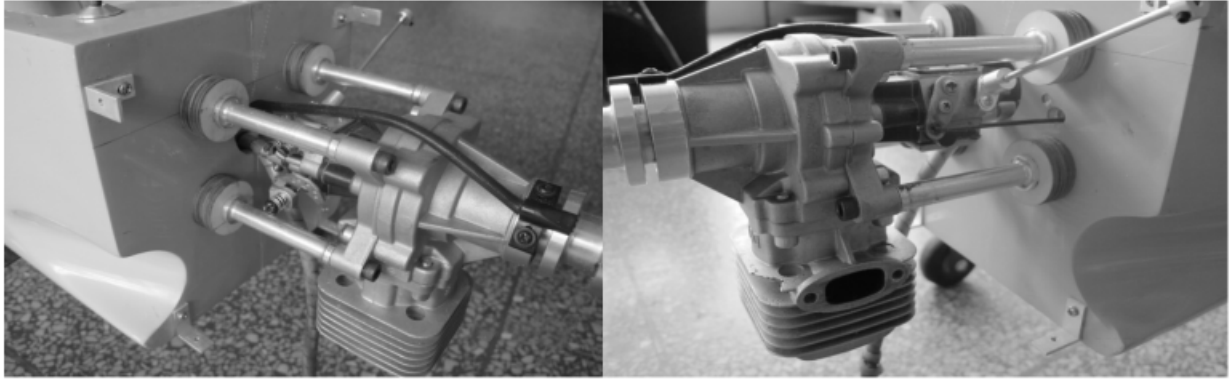


安装主起落架 Install the main land gear

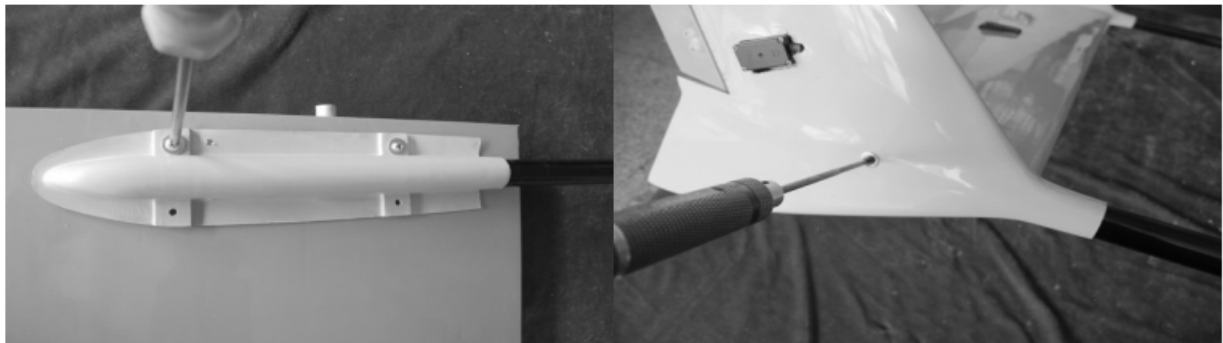


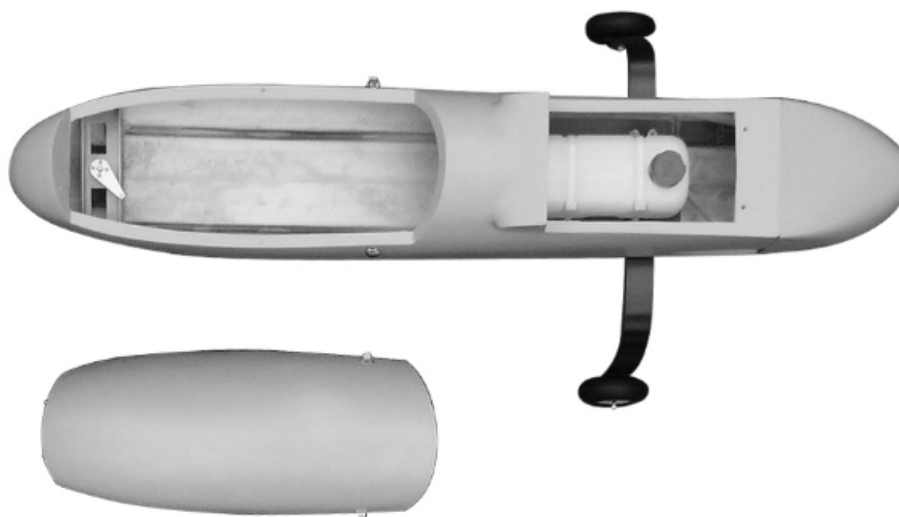
安装车轮 Install the wheels

安装引擎 Install the Engine

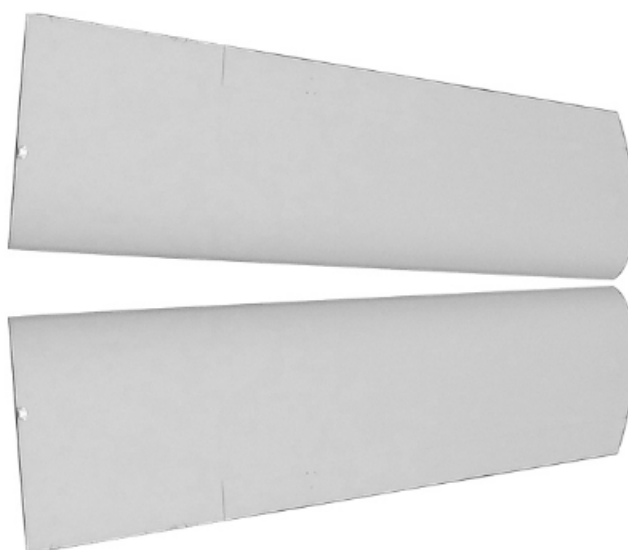


安装尾管、垂直尾和水平尾 Install the Tail Pipe, Vertical Tail and Horizontal Tail





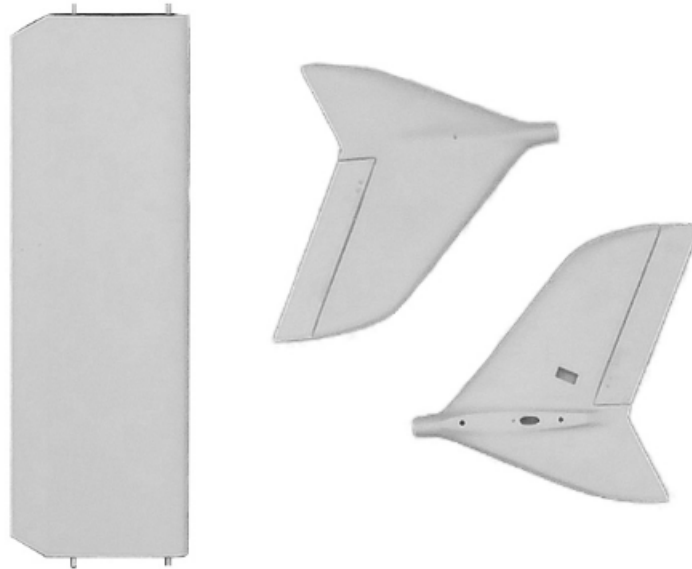
机身 Fuselage



左右机翼 Left and right wings



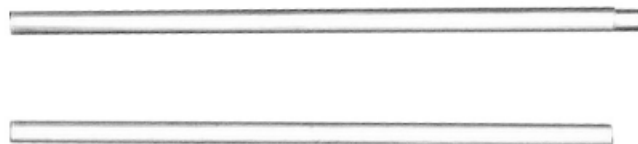
机翼中段 Wing midsection



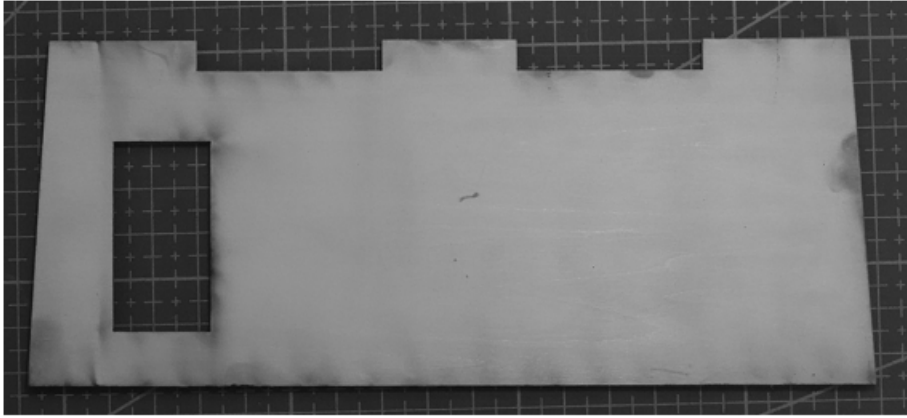
H 尾尾部 H tail



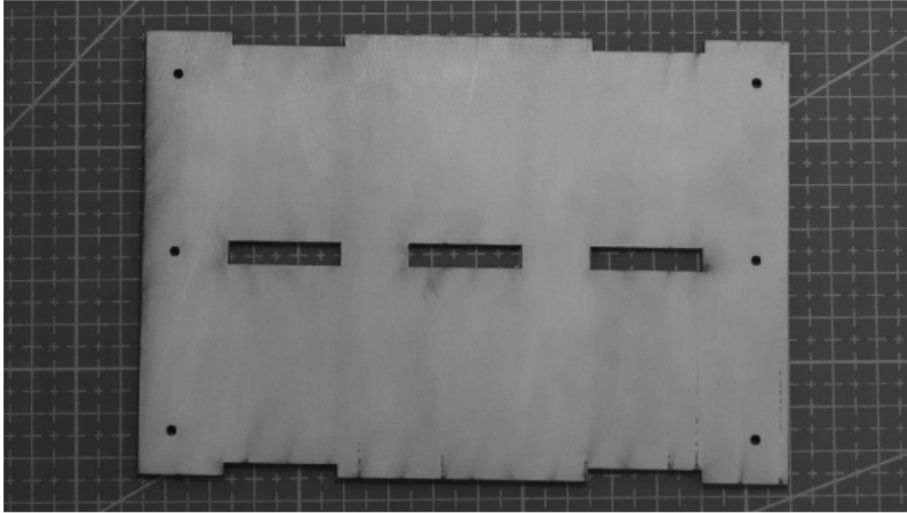
尾翼连接杆一对 Tail connecting rod pair



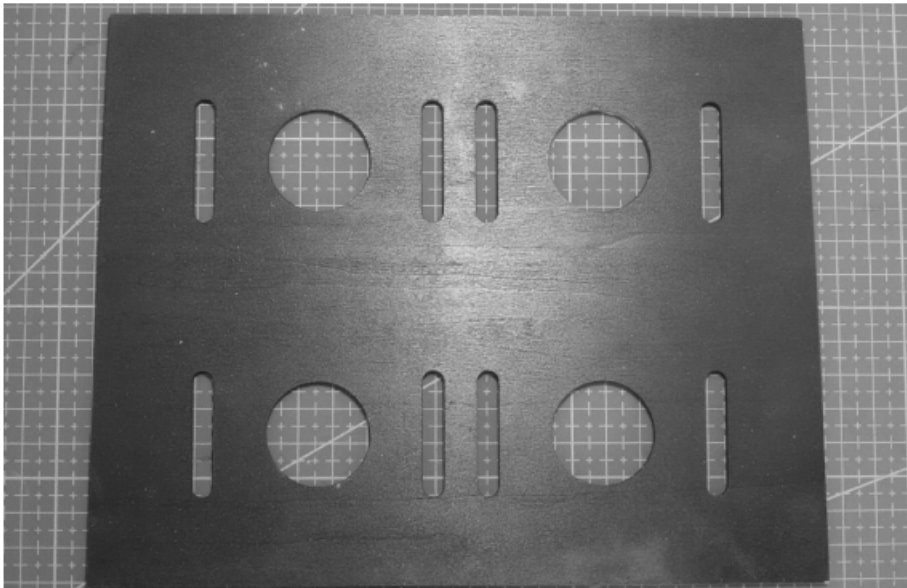
机翼连接杆一对 Wing connecting rod pair



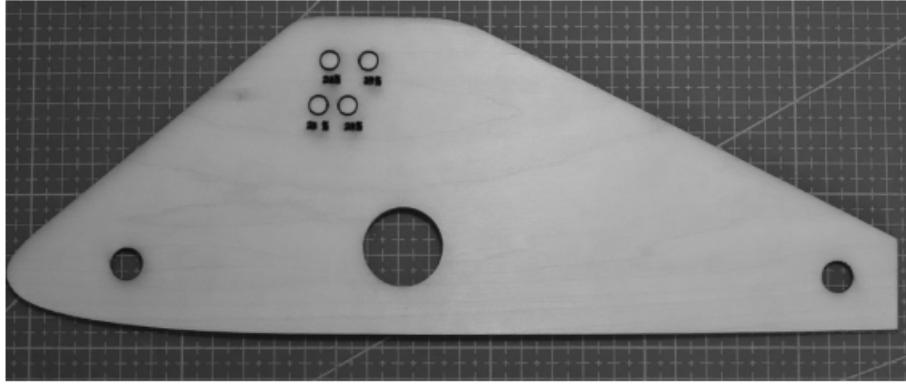
固定板 Fixed plate



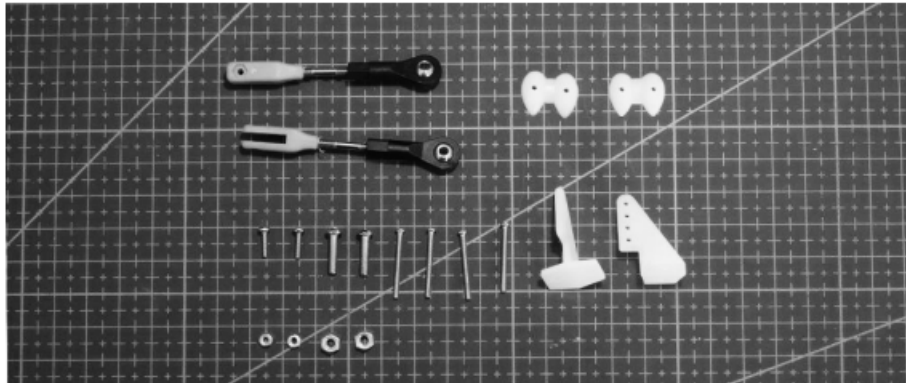
机舱固定板 Engine room retaining plate



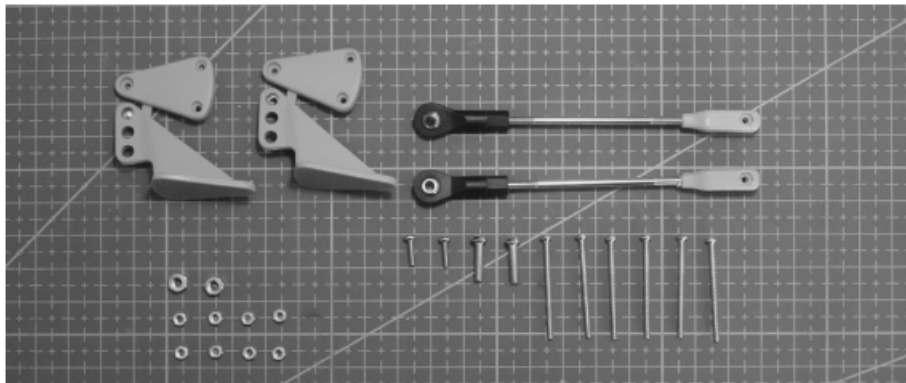
电池固定板 Battery retaining plate



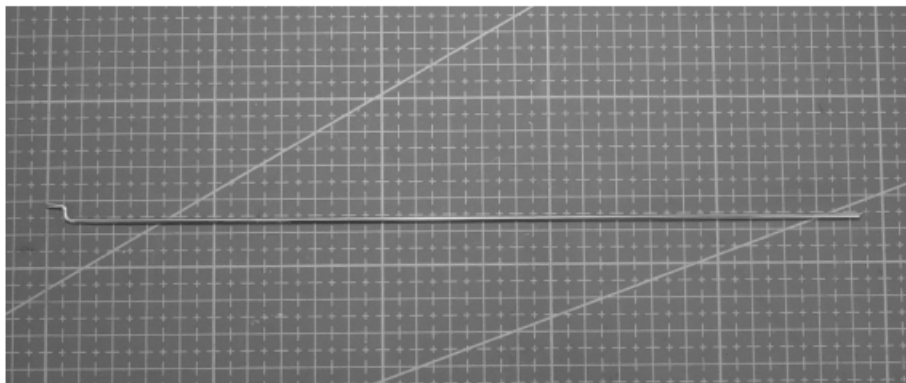
飞机配重调试板 Aircraft counterweight adjustment board



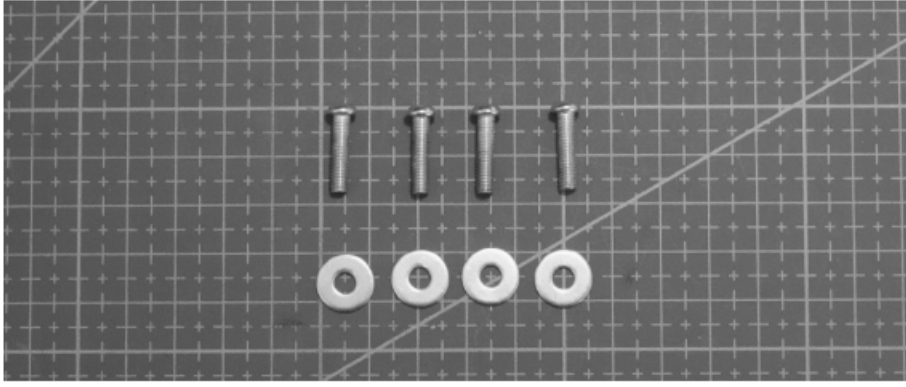
方向舵螺丝 Rudder screw



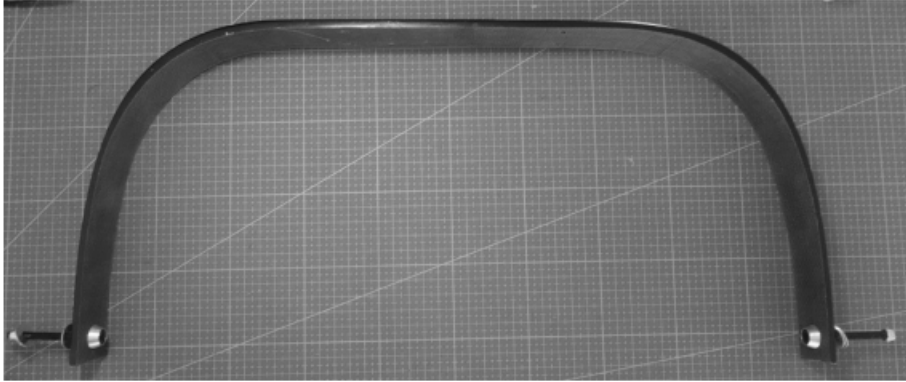
副翼螺丝 Aileron screw



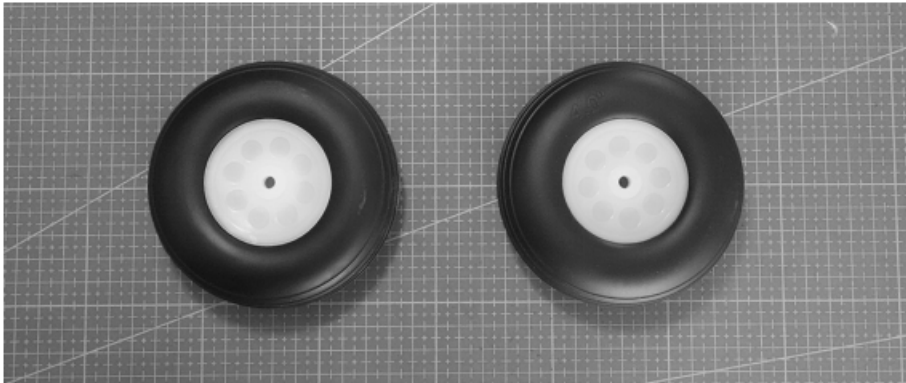
拉杆 Tie rod



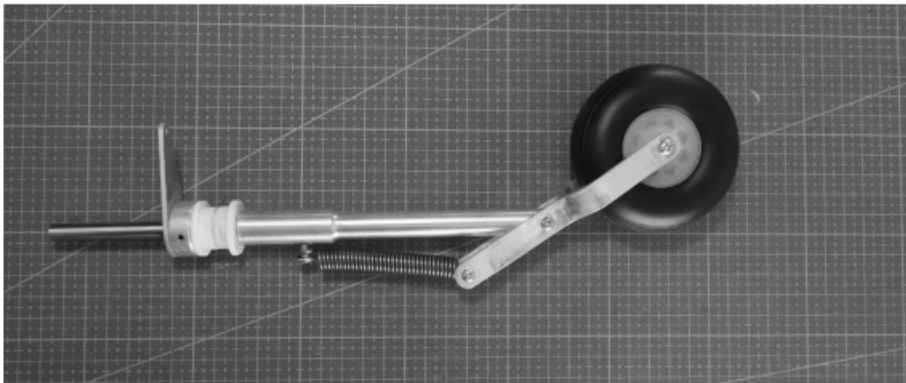
起落架固定螺丝 Landing gear setting screws



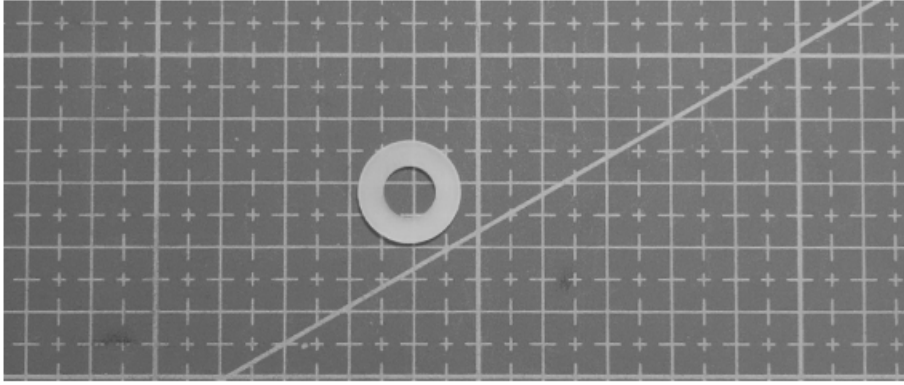
后起落架 Rear landing gear



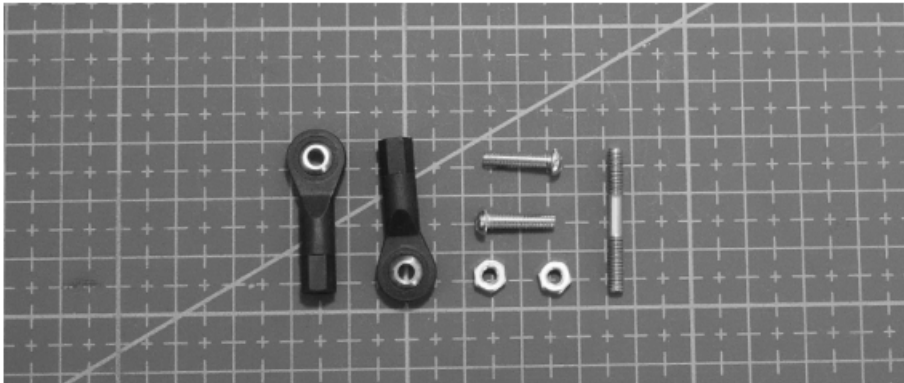
后起落架轮胎 Rear landing gear tires



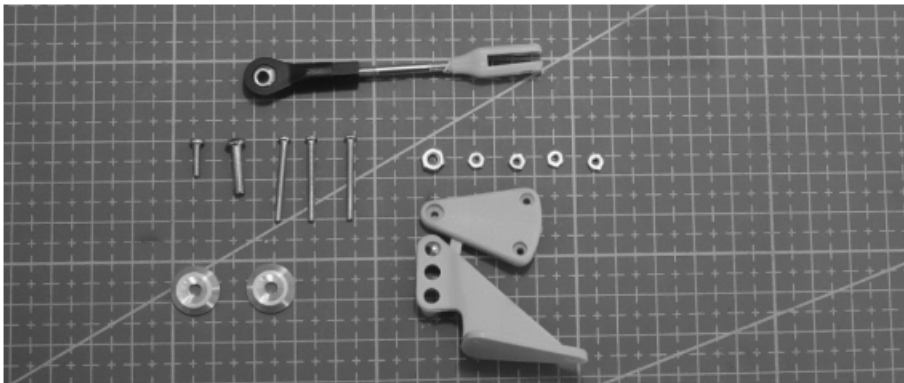
前起落架带缓冲弹簧 Nose landing gear with cushioned springs



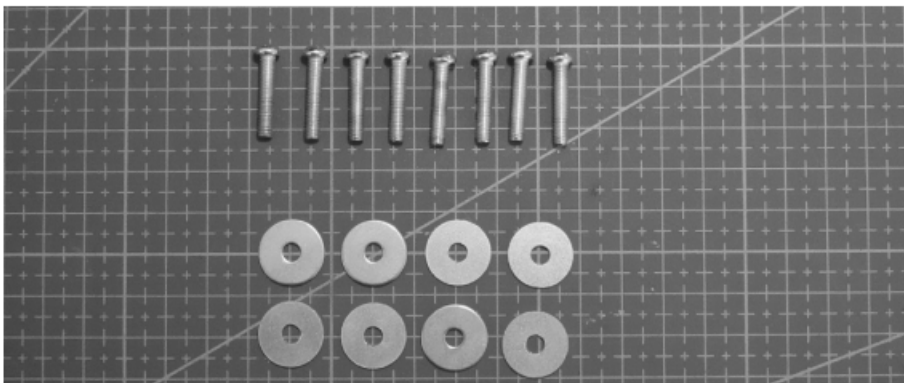
垫片 gasket



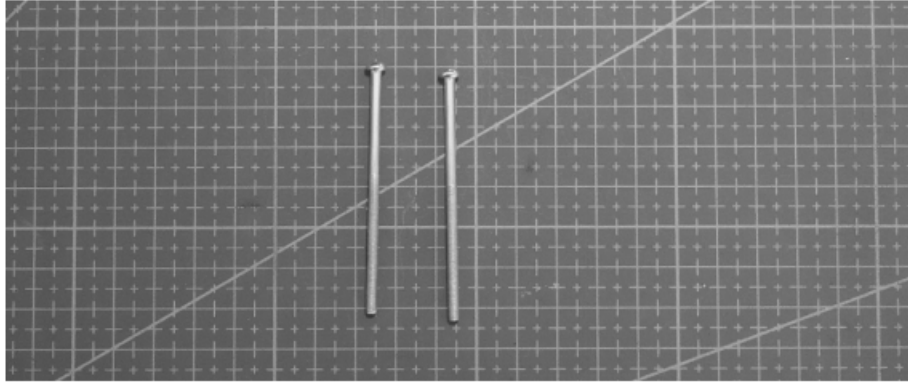
前轮转向螺丝 Front wheel steering screws



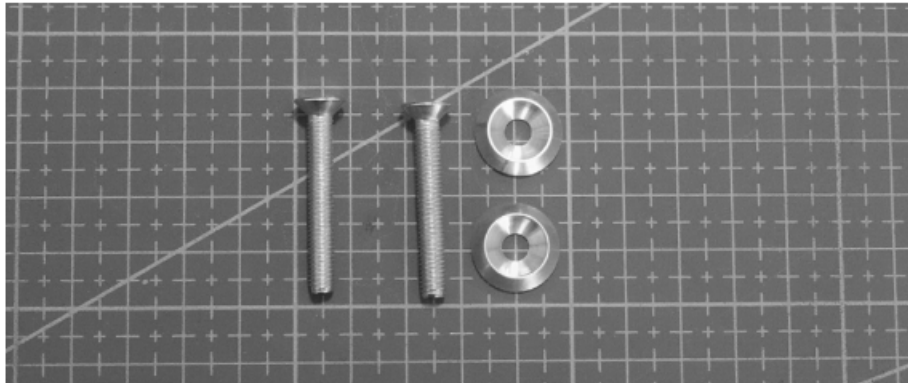
升降舵螺丝 Elevator screw



支撑杆前端螺丝 Support rod front end screws



支撑杆尾部螺丝 Support rod tail screws



中翼固定螺丝 Center wing setting screws

网址 (URL) : WWW.SKYEYEUAV.COM

邮箱 (Email) : info@skyeyeuav.com

地址 (SITE) : 中国福建省漳州市台商投资区锦霞路 25 号设计创意中心 313

313, Design Creative Center, 25 Jinxia Road, Taiwan Investment Zone, Zhangzhou City, Fujian Province, China