

EPP P-51 Fighter

DANCING
WINGS HOBBY

Instruction Manual

E45



飞行参数 Specification

翼展: 1000mm (39.4inch)
机长: 870mm (34.2inch)
起飞重量≈500g
翼面积 : 22.3dm²
翼载荷 : 22.4g/dm²

Wingspan: 1000mm (39.4inch)
Length: 870mm (34.2inch)
Flying Weight≈500g
Wing Area : 22.3dm²
Wing Load : 22.4g/dm²

推荐配置 Suggested Equipment

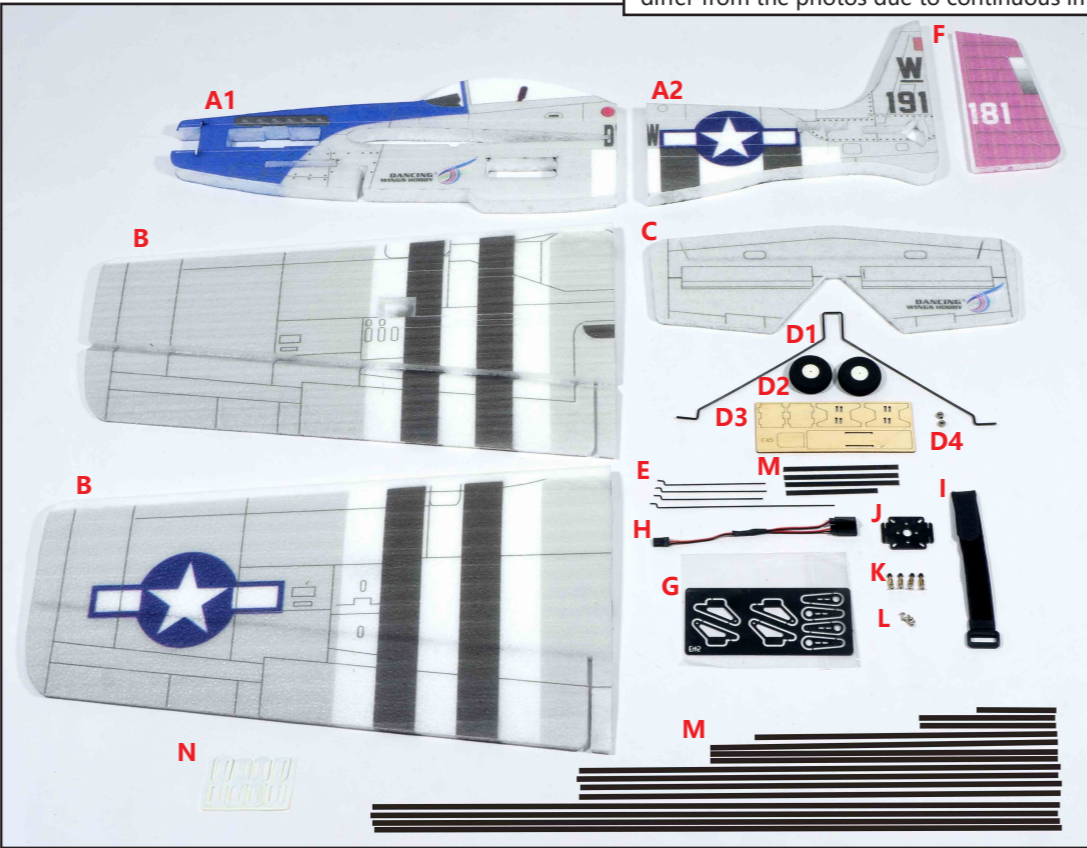
推荐马达: MC2212 KV1020
推荐电调: 3S-4S 30A
推荐舵机: 9g * 4pcs
推荐桨叶: 9-10inch plastic
推荐电池: 3S 1300-1500mAh
推荐通道≥4CH

Suggested Motor: MC2212 KV1020
Suggested ESC: 3S-4S 30A
Suggested Servos: 9g * 4pcs
Suggested Propeller: 9-10inch plastic
Suggested Battery: 3S 1300-1500mAh
Radio≥4CH

工具 Tools Needed



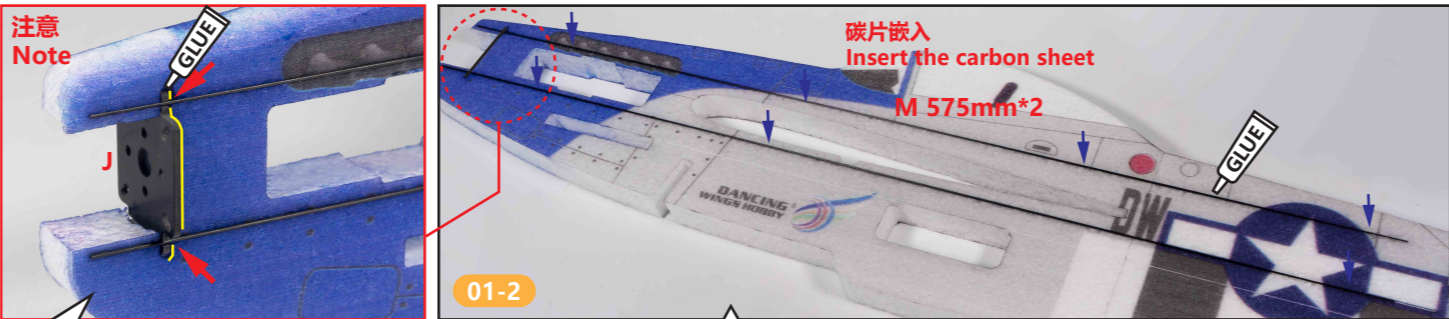
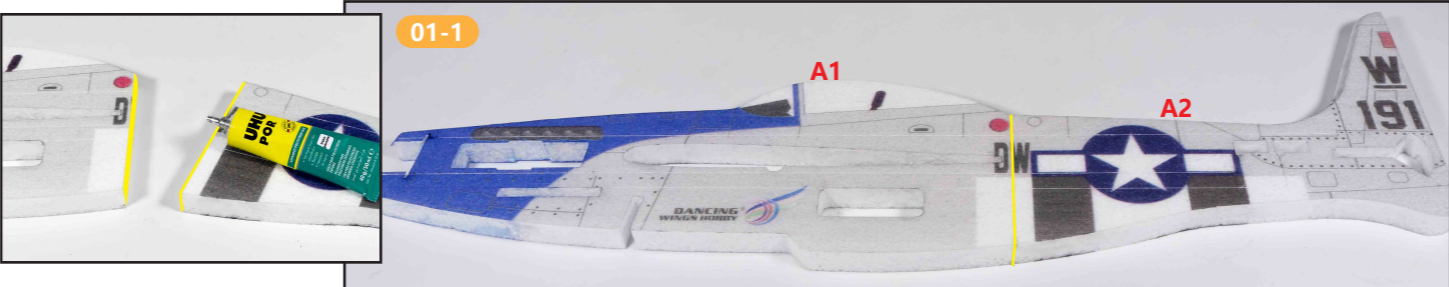
KIT



配件图仅供参考, 您收到的实物可能因为修改/优化的原因导致与图片略有不同。
Photos shown here just for reference, the product you received maybe slightly differ from the photos due to continuous improvement on products.

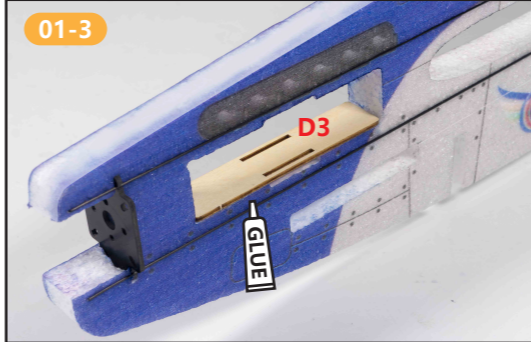
A1-2: 机身 Fuselage
B: 机翼 Wing
C: 水平尾翼 Horizontal tail
D1-4: 起落架 Landing gear
E: 连杆 Connecting rod
F: 垂直尾翼 Vertical Tail
G: 舵角,摇臂 Rudder horn,Rudder arm
H: Y线 Y-cable
I: 魔术绑带 Magic bandage
J: 马达座 Motor mount
K: 快装接头 EZ-connector
L: 螺丝 Screw
M: 碳片 Carbon sheet
N: 纸合页 Paper hinges

机身拼装 Assemble the Fuselage

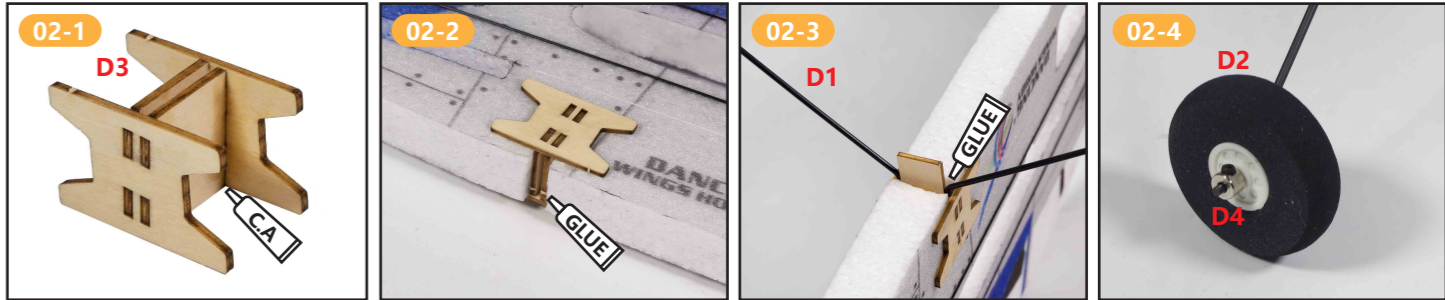


先在机头安装马达座, 在预留槽埋入碳片, 用涂泡沫胶粘固, 并注意碳片需嵌入马达座卡槽。
First, install the motor mount at the head, embed carbon sheet in the reserved slot, and stick them with foam adhesive. Note that carbon sheet need to be embedded in the motor mount slot.

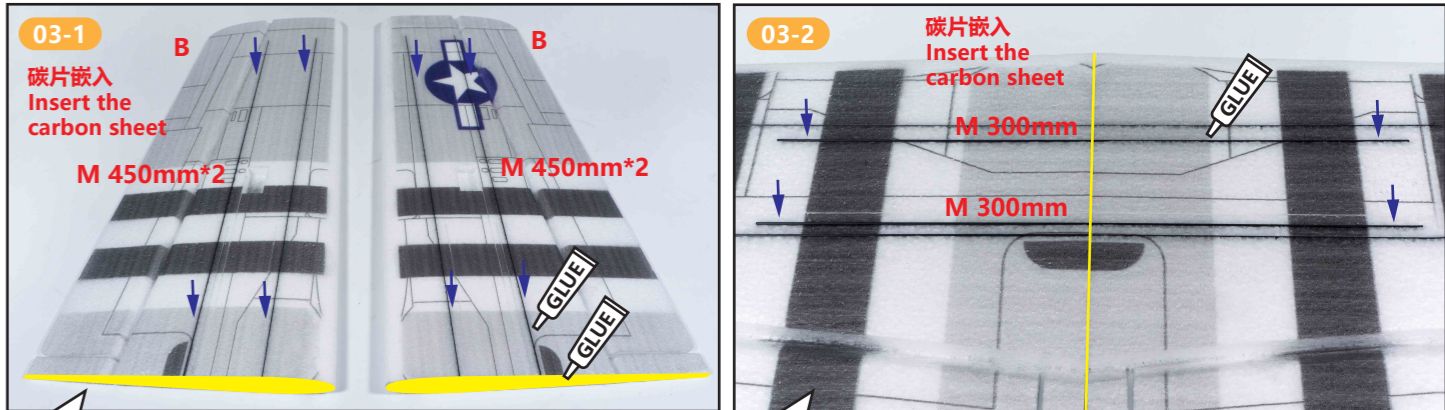
凹槽不够深时, 请用美工刀切割加深。
When the groove is not deep enough, please use a utility knife to cut and deepen it.
后续相同操作
Same for other groove



起落架安装 Install the Landing Gear

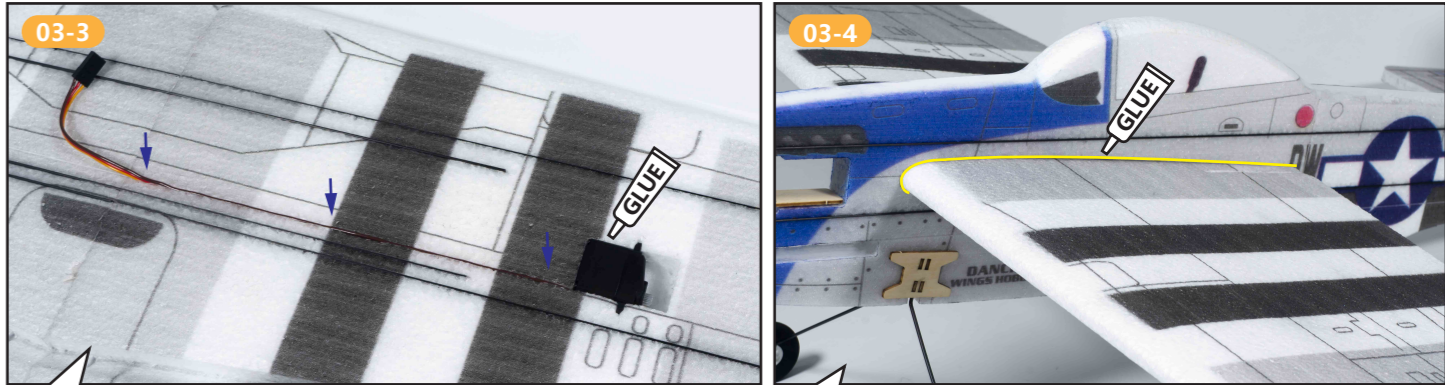


机翼拼装 Assemble the Wing

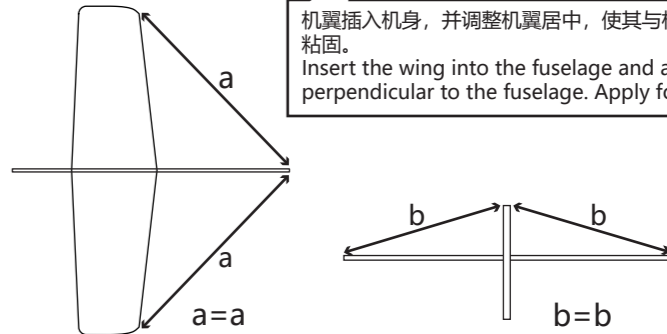


在机翼预留槽埋入碳片, 并在图示位置涂抹泡沫胶。左右机翼相同操作。
Embed carbon sheet in the reserved slot of the wing. Apply foam adhesive at the position shown in the figure. Same operation for left and right wings.

两片机翼对粘在一起, 并在图示位置嵌入碳片, 用泡沫胶粘固。
Glue the two wings together and embed carbon sheets in the position shown in the figure, finally use foam adhesive to fix.



在机翼舵机槽内安装舵机, 用泡沫胶粘固, 舵机线埋入预留槽内, 并粘固。
Install the servo into the servo slot of the wing and fix with foam adhesive; Embed and fix the servo cable into the reserved slot.
左右相同安装。
Same installation on left and right.





在G板上取下摇臂，如图安装。
Remove the rudder arm from the G plate and install it as shown in the figure.

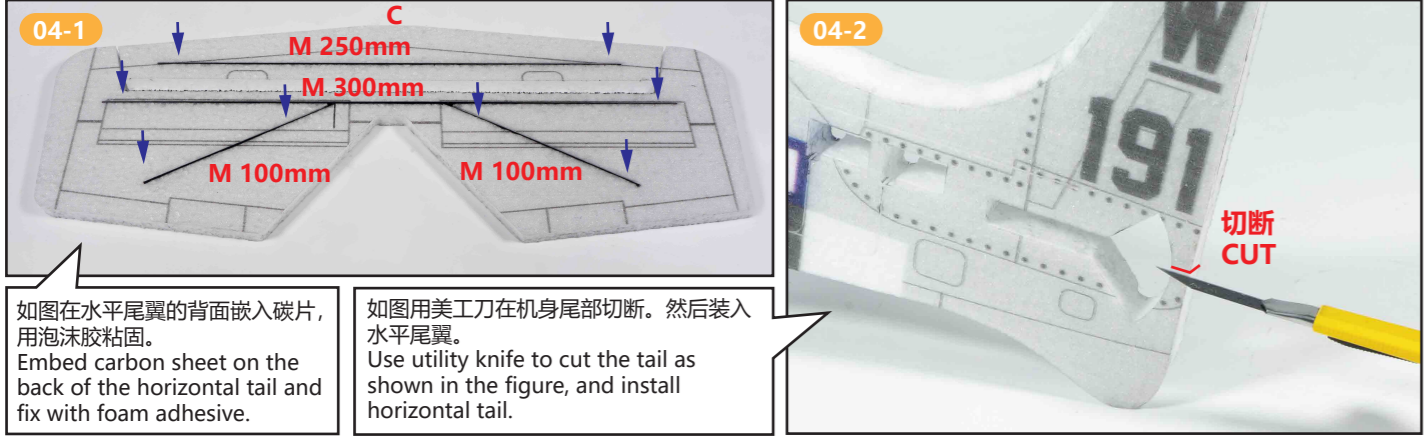
M2*3mm 自攻螺丝
Self-tapping screw

把装好的摇臂安装到舵机，并把舵角与摇臂用钢丝连杆连接起来。
Install the rudder arm onto the servo, and connect the rudder horn and the rudder arm with steel wire connecting rod.

舵角上安装快装接头。
Install the EZ-connector on the rudder horn.

钢丝连杆Z型一端穿入舵臂，另一端插入快装接头，调整舵机通电回中后，锁紧快装接头。左右相同安装。
The Z-shaped end of the steel wire connecting rod is threaded into the rudder arm, and the other end is inserted into the EZ-Connector. After the servo is adjusted to power on and return to the center, lock the EZ-connector. Same installation on left and right.

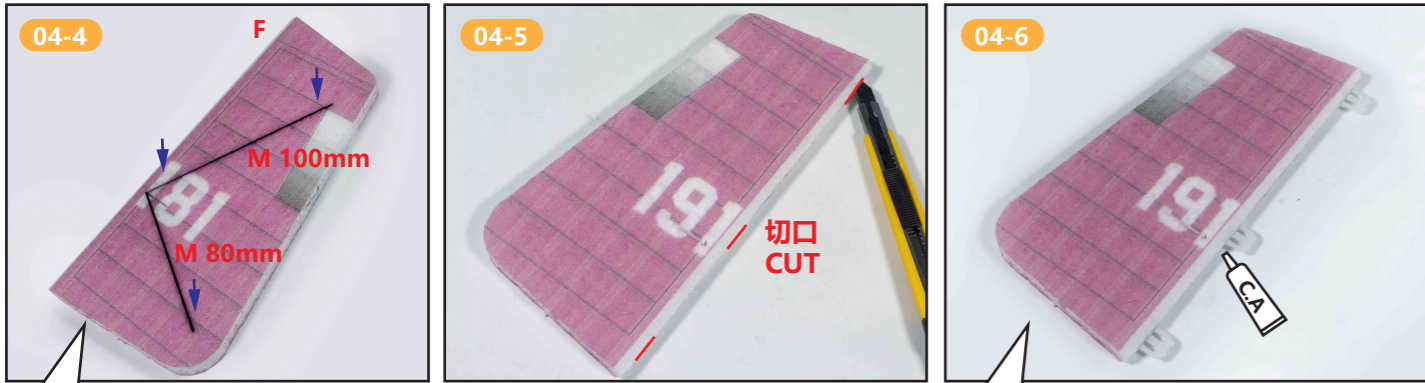
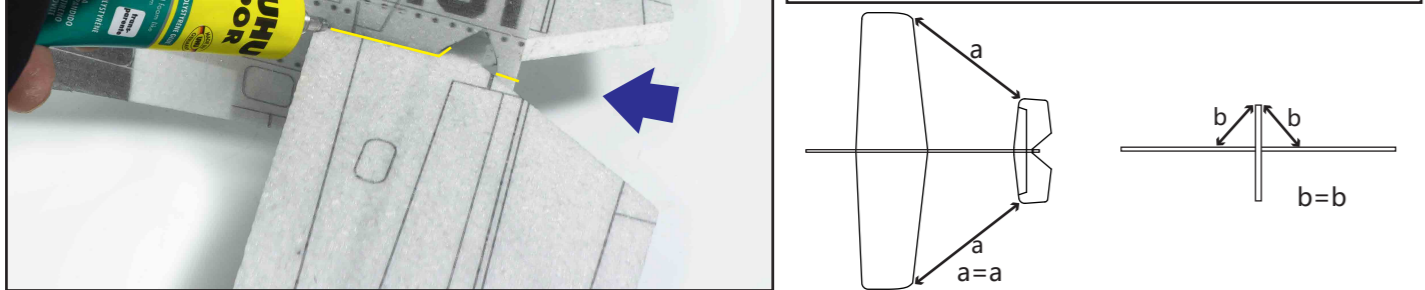
尾翼拼装 Assemble the Tail



如图在水平尾翼的背面嵌入破片，用泡沫胶粘固。
Embed carbon sheet on the back of the horizontal tail and fix with foam adhesive.

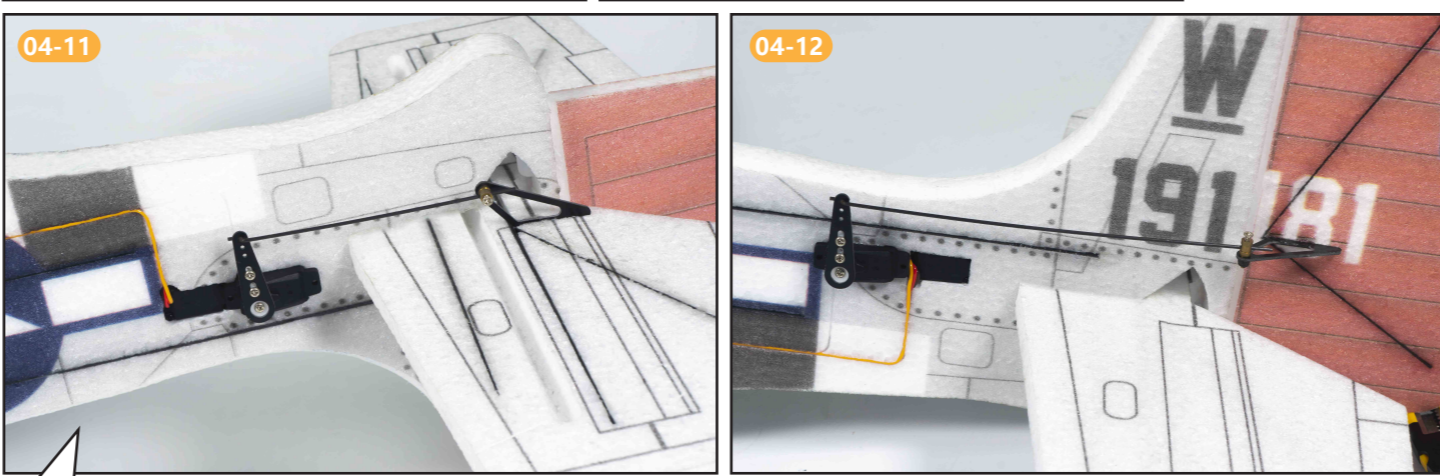
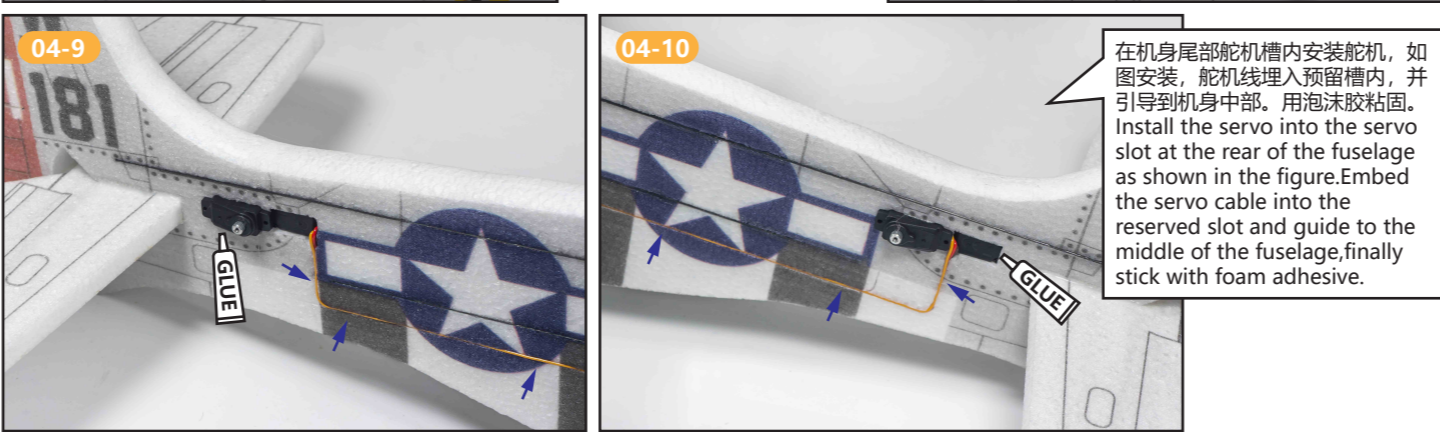
如图用美工刀在机身尾部切断。然后装入水平尾翼。
Use utility knife to cut the tail as shown in the figure, and install horizontal tail.

把水平尾翼安装到机身，与安装机翼时相同的方法调整与机身垂直。调整好后，用胶水粘固，同时粘好上一步骤切断的切口。。
Install the horizontal tail onto the fuselage and adjust it perpendicular to the fuselage using the same method as when installing the wings. After adjustment, use glue to fix it, and at the same time, stick the cut made in the previous step.



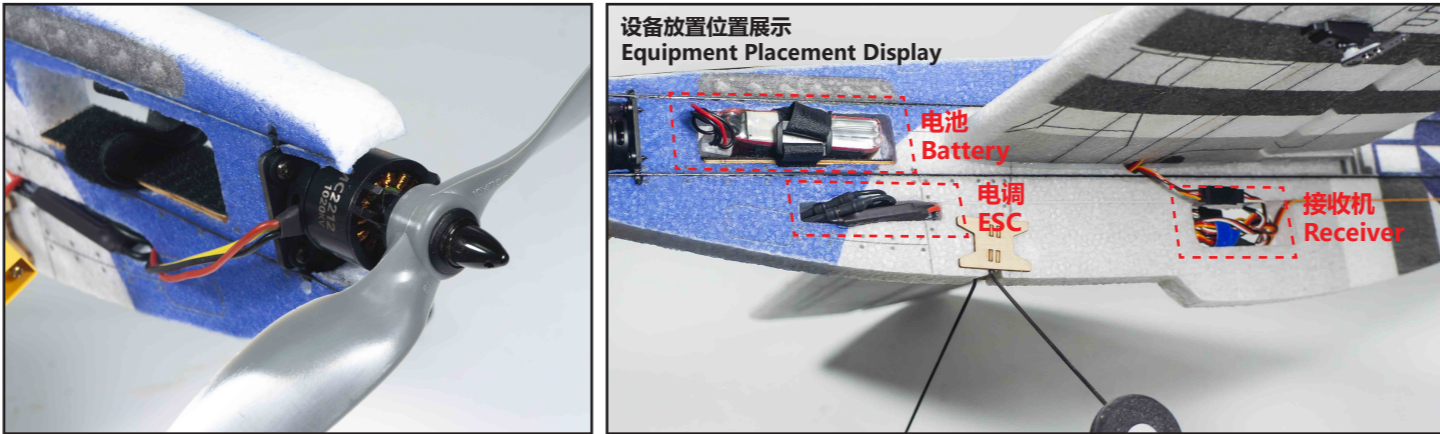
如图在垂直尾翼的背面嵌入破片，用泡沫胶粘固。
Embed carbon sheet on the back of the vertical tail and fix with foam adhesive.

安装纸合页，用CA胶粘固纸合页。
Install paper hinges and fix with CA glue.



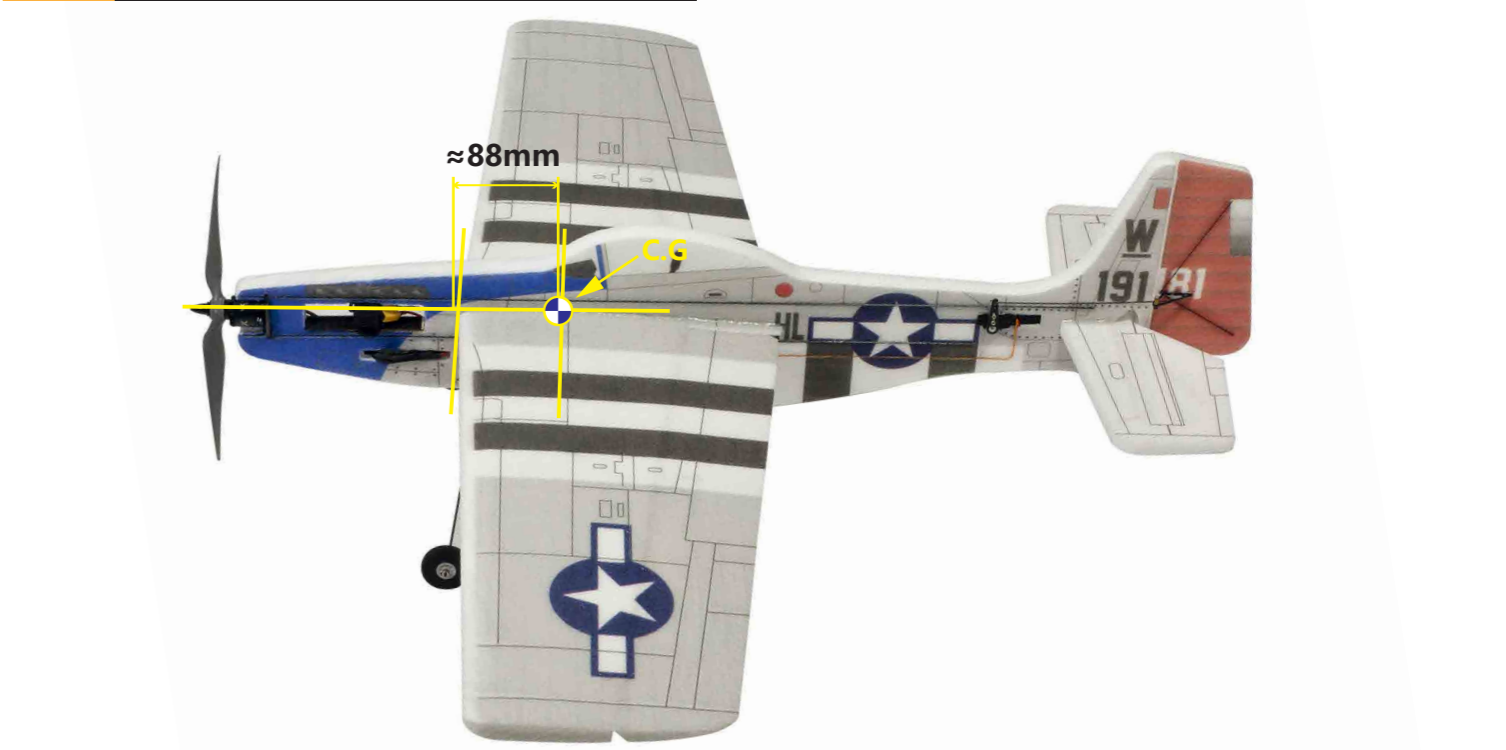
参考03-5至03-7步骤安装摇臂，舵角及连杆。
Refer to steps 03-5 to 03-7 to install the rudder arm, rudder horn and connecting rod.

电子设备安装调试 Power System Installation and Adjustment



更多电子设备调试细节可参考以下链接查看（可直接扫二维码）
More details about power system adjustment, please refer to below link: (You can scan QR Code directly.)
<http://www.dwhobby.com/art/connection>

重心位置展示 Display for C.G



常规飞行(Normal Flying)	3D飞行 部分飞机支持(3D Flying only support some models)
副翼 Aileron	± (15°-30°) ±30° 或者更大(or larger)
平尾 Elevator	±15° ±30° 或者更大(or larger)
垂尾 Rudder	±15° ±30° 或者更大(or larger)
常用襟翼 Flap	(起飞 take-off) 15°-20° (降落 Landing) 20°-30°

部分特殊机型会有V型尾翼，襟翼，前缘机翼或舵面很小等，可以以常规飞行的角度作为参考，在您不确认且没有有经验人员指导的情况下，我们建议您先以小角度试飞以确认您的设置是否正确。
Some special models will have V-tails, flaps, leading edge wings, etc., which can be used as a reference for conventional flight angles. If you do not confirm and there is no experienced person to guide you, we recommend that you first test at a small angle to confirm that your settings are correct.

地面控制方向测试
Control Directions Tests

	遥控器动作 Command	飞机反应 Aircraft Reaction		遥控器动作 Command	飞机反应 Aircraft Reaction
升降舵 Elevator	升降杆下拉 Lifting rod down		副翼 Aileron	转向杆向右 Steering rod to the right	
	升降杆上推 Lifting rod up			转向杆向左 Steering rod to the left	

	遥控器动作 Command	飞机反应 Aircraft Reaction
方向舵 Rudder	方向杆向右 Direction rod to the right	
	方向杆向左 Direction rod to the left	