

在组装之前请仔细阅读说明书并应对内容充分的理解！

Before beginning assembly, please read these instructions thoroughly!

Apollo 120

INSTRUCTION MANUAL 组装说明书



中、高级者用

For intermediate & Advanced
flyers.

Flight Model™
HIGH PERFORMANCE AIRCRAFT



该遥控模型不是玩具！

This radio control model is not a toy!

SPECIFICATIONS

Length: 69in[1764mm]	
Wingspan: 64.5in[1640mm]	Wing Loading: 27oz/ft ² [82-86g/dm ²]
Wing Area: 744in ² [48dm ²]	Engine/Motor: .115-.125/C5660
Weight: 137-140oz [3900-4000g]	Battery and ESC: LiPo 8s4600mAh and 100Amp

⚠ WARNING

For correct assembly and best performance of the design, you should seek the assistance of an experienced RC pilot with assembly.

Assemble this model aircraft only in places out of children's reach.

Take enough safety precautions prior to operating this model. You are responsible for the safety of all the facilities and spectators at the airfield.

Before start-up you need to ensure that there are neither microwaves nor wireless-LAN systems or devices in operation for they might cause interferences.

You should abide by related State Radio Regulations.

Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.

First-time flyers should seek the advice on pre-flight adjustments and assembly from experienced modelers

Always keep in mind that an improperly assembled or adjusted model is very dangerous!

Novice flyer should always be assisted by an experienced flyer and should never fly alone!

This model aircraft is designed to be powered by .120 size engine. Installing a larger powered engine, or flying this model aggressively may lead to serious damage and accidents!



注意:关于下面列出设备的细节(级别,制造者等等),请咨询你的模型商店。

CAUTION: For details concerning the equipment listed below(size,maker,etc.), check with your hobby shop.

遥控设备
Radio Set

一台最少6通道的飞机用无线电设备(2个小型舵机和3-4个标准舵机).
A minimum 6 channels radio for airplanes(with 2pcs mini servo and 3~4 pcs standard servos).



注意:仅可以使用最小6通道的飞机专用遥控设备!
(不可用其他遥控设备!).

CAUTION: Only use a minimum 46channels radio for aircraft!
(No other radio can be used!)

■ 海绵片
Sponge Sheet



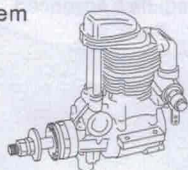
■ 8节干电池(发射机用)
8 AA-size Batteries(for TX)



■ 舵机延长线--5根
Servo extension cords-----5pcs



动力系统
Power system



■ 热火头
Glow Plug



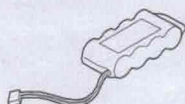
■ 四冲程 .115
4-stroke .115

■ 消音器
Muffler

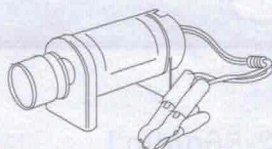
■ 油管
Fuel line



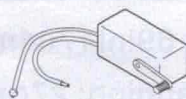
■ 接收机电池
Battery for RX



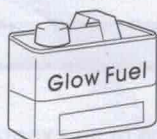
■ 启动器电瓶
12V Battery
(for starter)



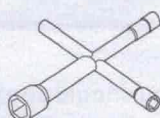
■ 启动器
Engine Starter



■ 燃料泵
Fuel Pump



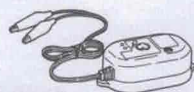
■ 模型专用燃料
Glow engine fuel only



■ 热火头扳手
Plug Wrench



■ 点火器
Ignition



■ 点火器充电器
Ignition Charger

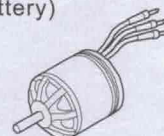
GP
version

EP
version

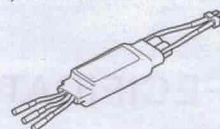
■ 相当于 .120级的外转子电动机
.120Suitable Outer Rotor Motor

■ 使用输出总功率约1400-1700瓦的
Use components so total output is
between 1400-1700W.

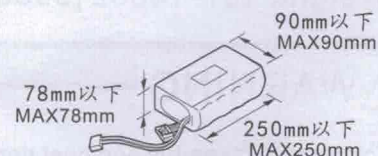
■ 参考KV值: 320RPM (使用8S电池)
KV: 320RPM(wiht 8s battery)



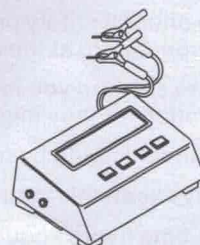
■ 电子调速器: 8cell, 100安培
ESC: More than 8cell, 100AMP



■ 动力电池: 29.6V (8s锂电池) 4600mAh
Batter: 29.6V (8s lipo battery) 4600mAh



■ 充电器
Charger



组装前请注意 BEFORE YOU BEGIN

- 组装前请仔细阅读说明书，它会给您全面详细的指导。如果您是第一次接触飞机模型的人士，应在有经验人士的正确指导下组装。

Read through the manual before you begin. It will give you overall instructions in details. If you are first-time flyer, please assemble this model with assistance of an experienced modeler.

- 确认全部零件，如果损坏或缺少，请及时和经销商联系。
- Check all parts. If you find out there is any defective or missing parts, contact your local distributors in time.

- 由于气候、温度和湿度的变化，模型的蒙皮可能会出现松弛的现象，您可以用包有一层棉布的电烫斗重新将蒙皮烫平，但要注意温度不可太高。

The pre-covered film on ARF models may wrinkle due to variations of climate, humidity and temperature. You can use an iron covered with a cloth to smooth the film. Set the iron to a low setting, too much heat may cause damage.



说明书指示符号的含义 SYMBOLS USED THROUGHOUT THE INSTRUCTION MANUAL, COMPRISE :



使用环氧树脂胶粘接
Apply epoxy glue



确保组装，并且完成后可活动
Ensure smooth non-binding movement while assembling



需要另外购买
Need to be purchased separately



使用瞬间粘合剂
Apply instant glue



左、右组装方法相同
Assemble left and right sides in the same way



切去阴影部分
Cut off shaded portion



需要注意这里
Pay close attention here



顶部与底部组装方法相同
Assemble top and bottom sides in the same way



剪去多余部分
Cut off excess



相同方法组装多个
Assemble as many times as specified



按照指示钻孔
Make hole with awl



按照指定顺序装配
Assemble in the specified order

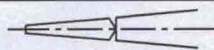


重要注意事项，
不要忽略此符号
Do not overlook
this symbol

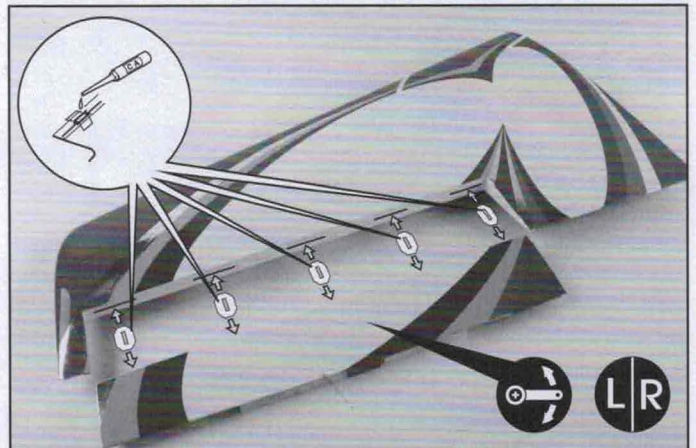
1

机翼
Wing

GP/EP
version



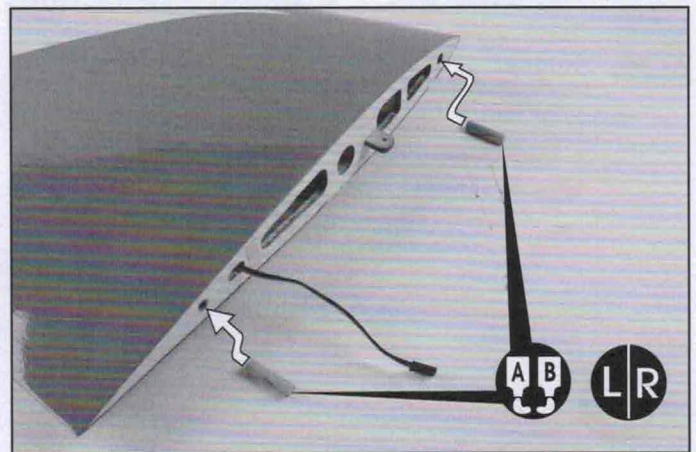
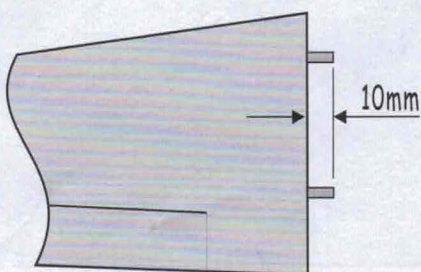
请将机翼和副翼的中心线对正。
Align the center line of wing with aileron.



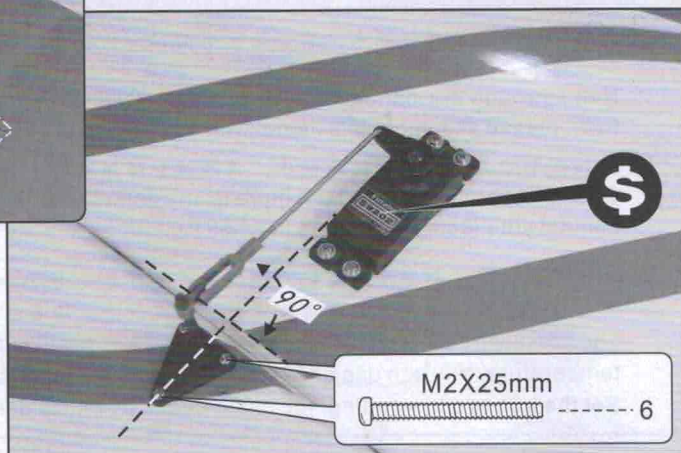
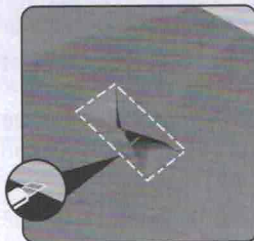
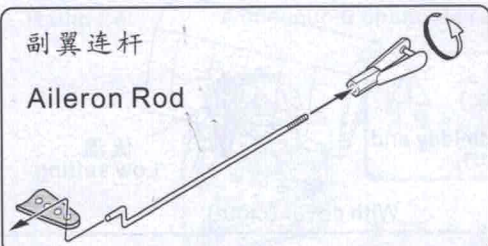
2

机翼
Wing

GP/EP
version



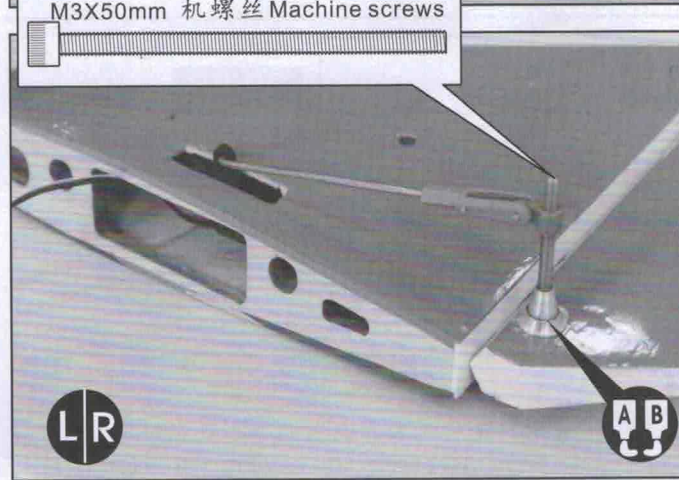
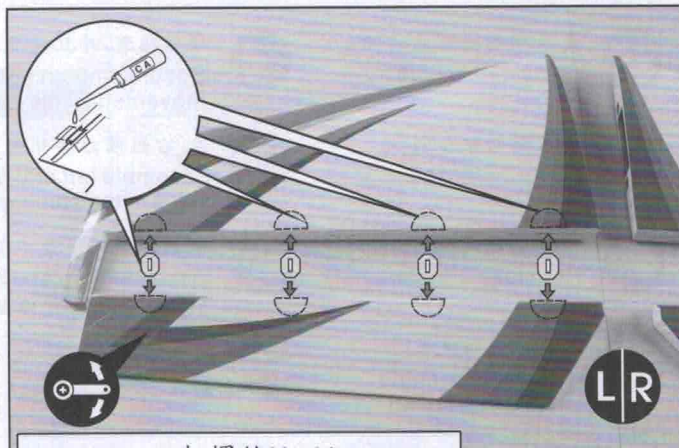
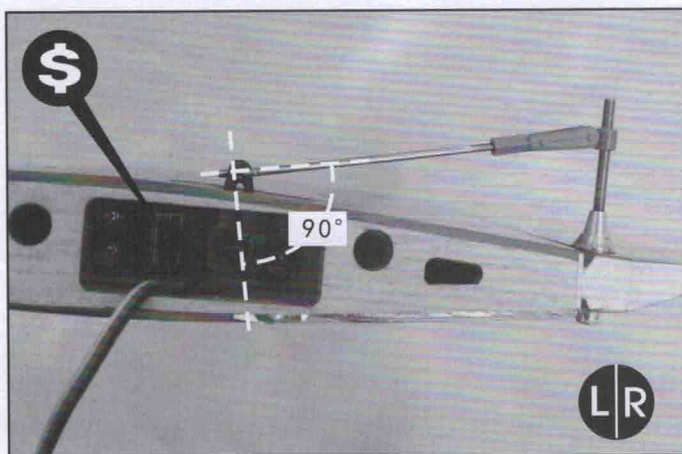
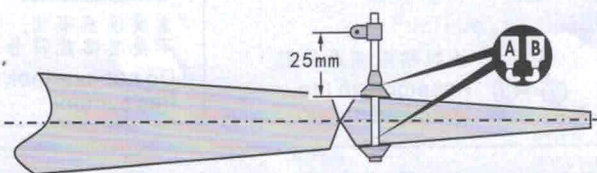
3

副翼舵机
Aileron servoGP/EP
version副翼连杆
Aileron Rod

4

水平尾翼
Horizontal TailGP/EP
version

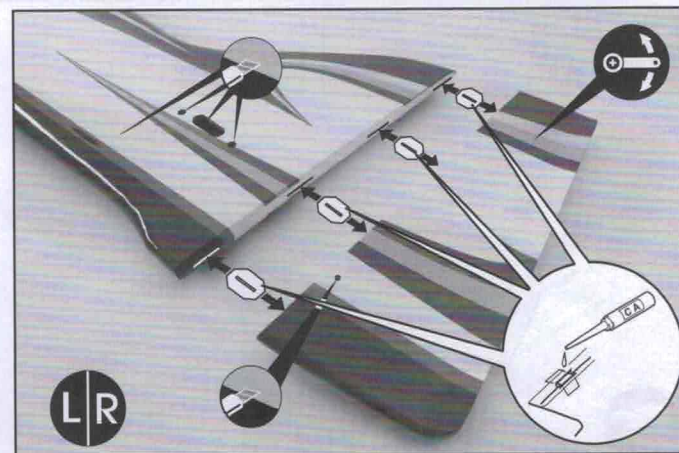
请将舵面和安定面的中心线对正。
Align the center line of control surface with stabilizers



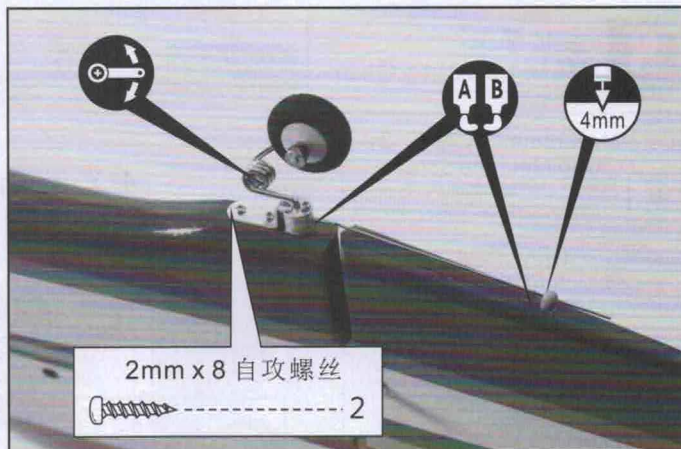
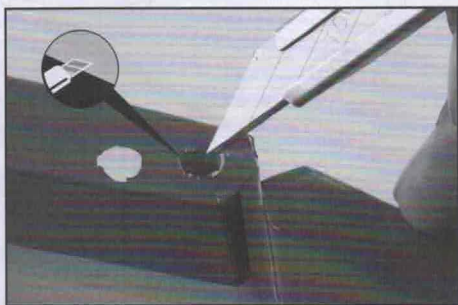
5

方向舵
RudderGP/EP
version

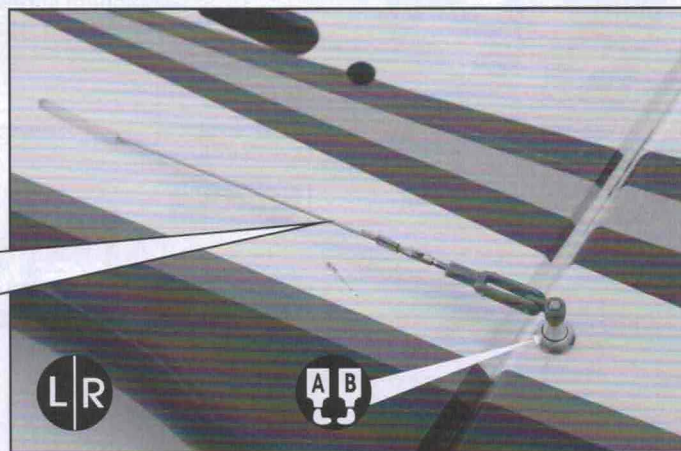
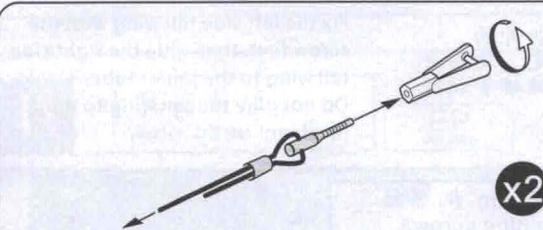
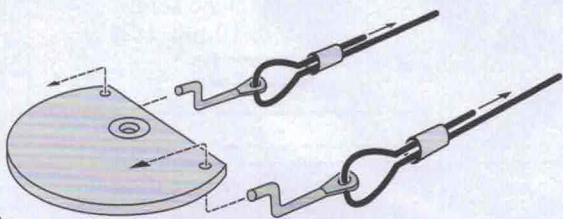
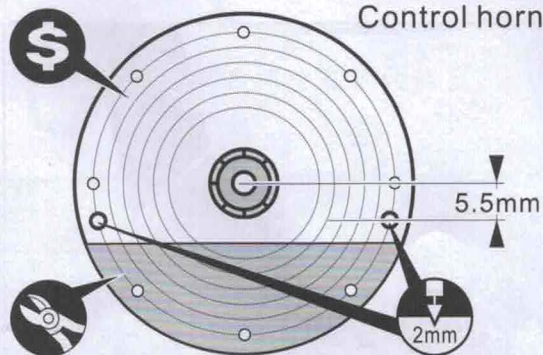
请将舵面和安定面的中心线对正。
Align the center line of control surface with stabilizers



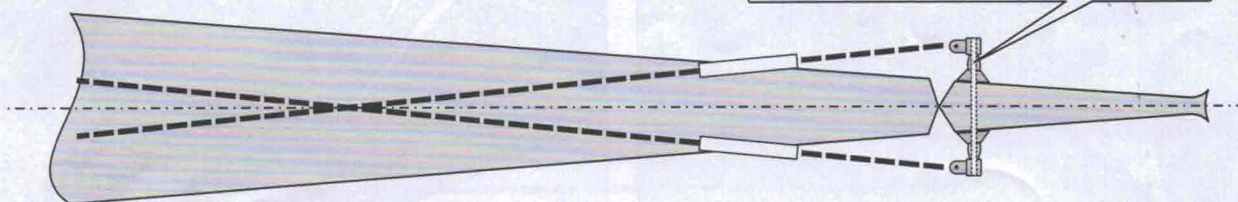
6

尾轮
Tail WheelGP/EP
version

7

方向舵舵机
Rudder ServoGP/EP
versionFutaba 45mm
Control horns

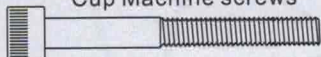
M3X50mm 机螺丝 Machine screws



8

主起落架

Main Landing Gear

GP/EP
versionM4X35mm 机螺丝 2
Cup Machine screws4mm 平垫片
Flat washer

4

4mm 弹垫片
Spring washer

2

M4 螺母 Nut

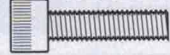


6

3mm 平垫片
Flat washer

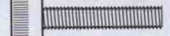
4

M4x16mm 机螺丝

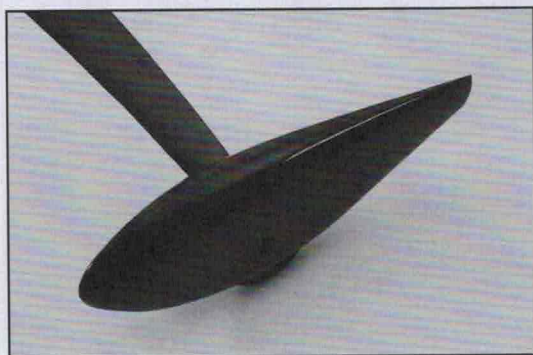
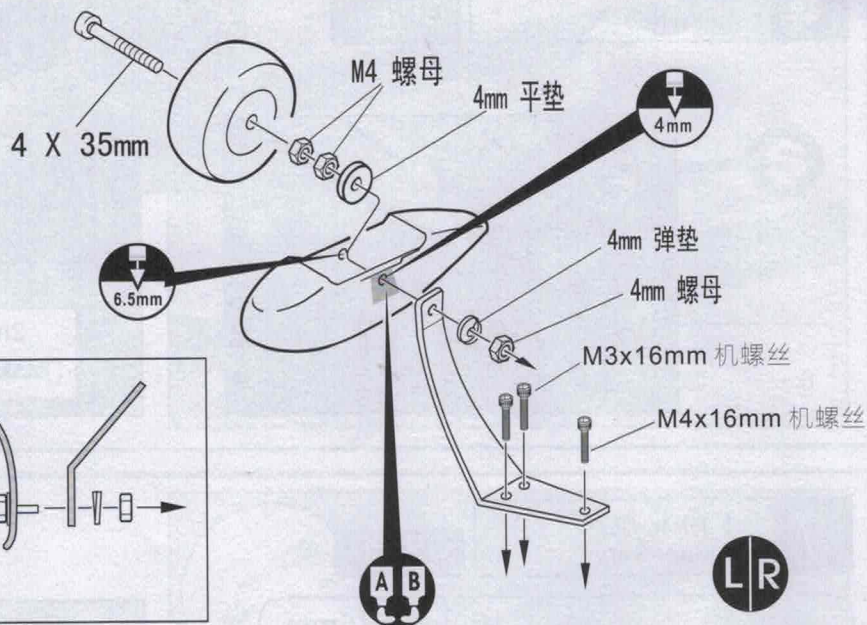


2

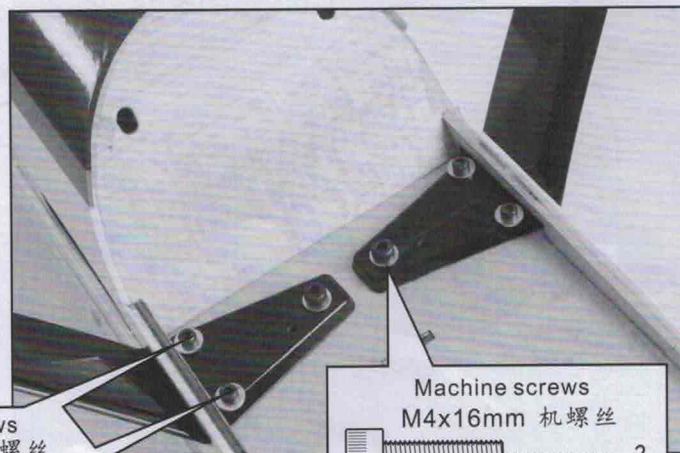
M3x16mm 机螺丝



4

Machine screws
M3x16mm 机螺丝

4

Machine screws
M4x16mm 机螺丝

2

9

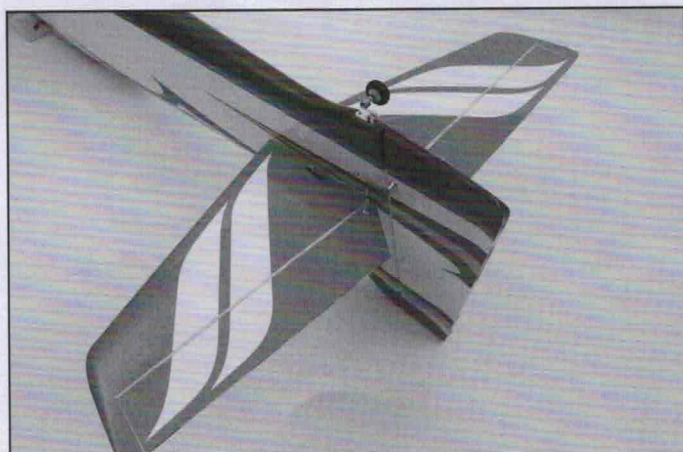
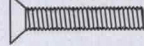
水平尾翼

Horizontal Tail

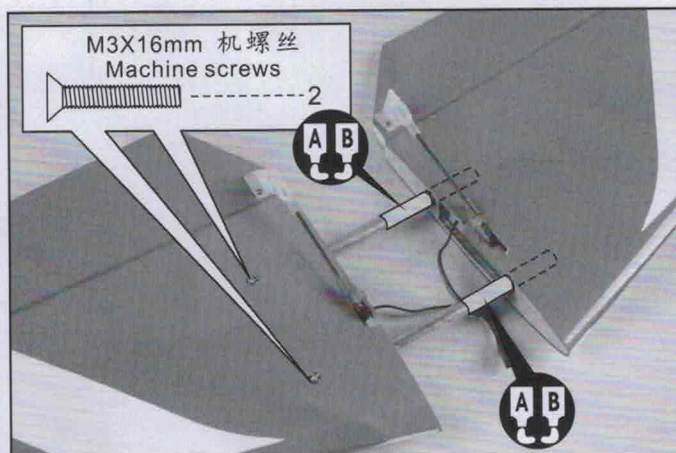
GP/EP
version

水平尾翼在安装完成后是可以拆卸的。
工厂已将了一侧尾翼用螺丝固定，使用者
需要将另外一侧的水平尾翼与链接管粘接。
注意，不要将尾翼粘在机身上。

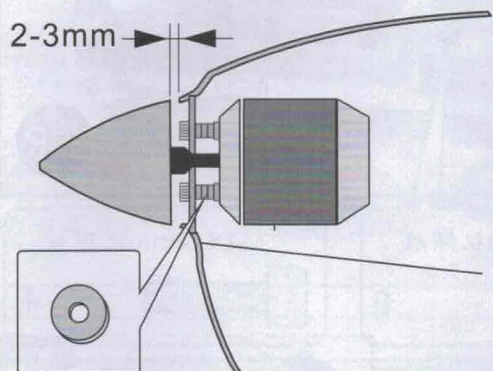
Fix the left side tail wing with the
screw first, then glue the right side
tail wing to the joiner tube.
Do not glue the tail wing to the
fuselage!

M3X16mm 机螺丝
Machine screws

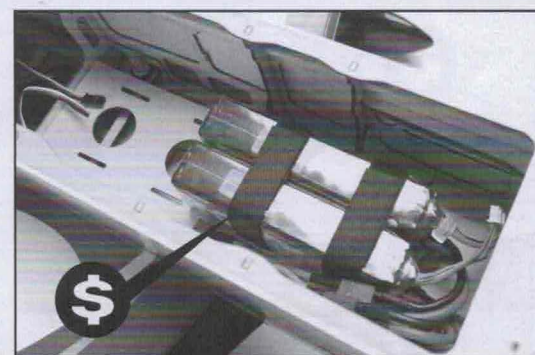
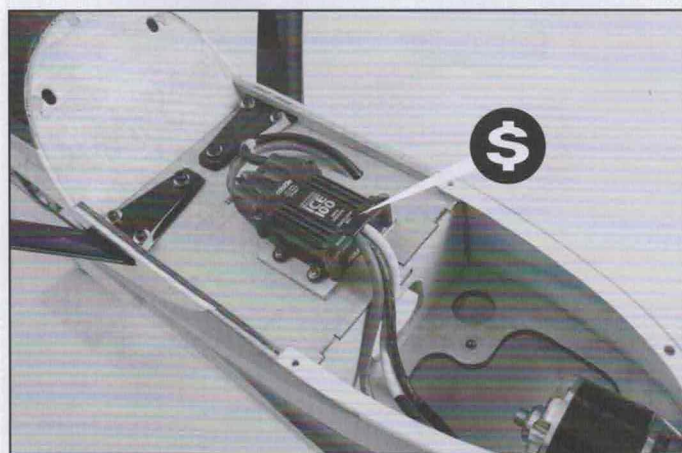
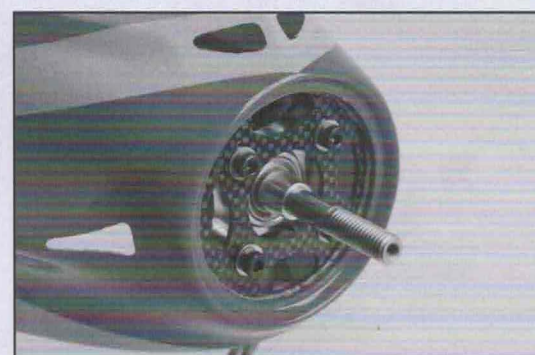
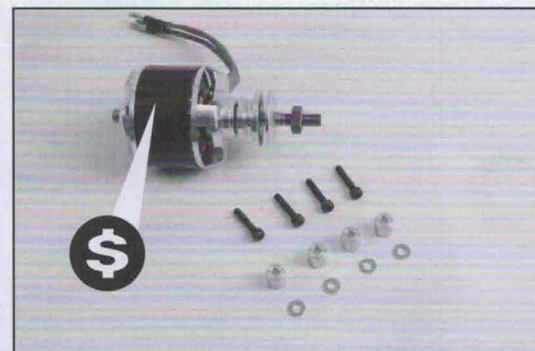
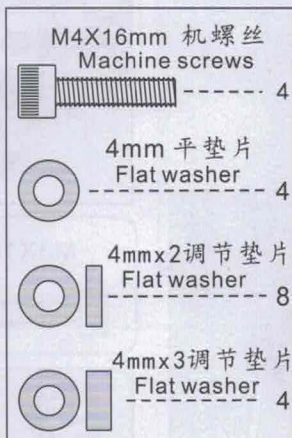
2



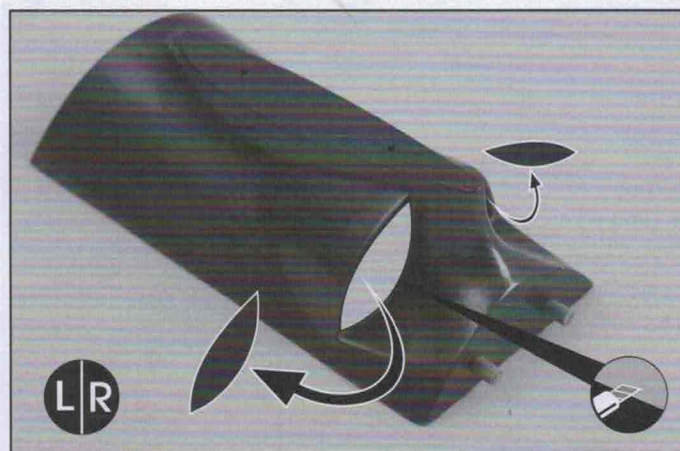
EP version

10 电动机 调速器 动力电池
Motor ESC Power batteryEP
version

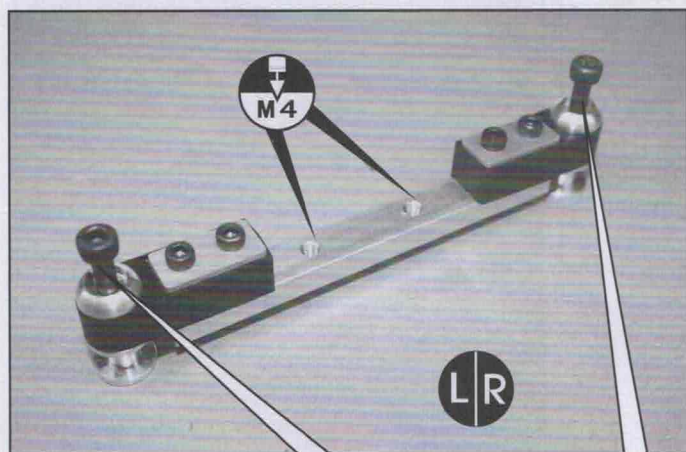
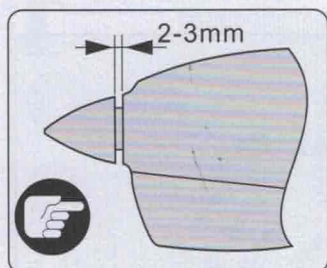
使用垫片调整电机的位置



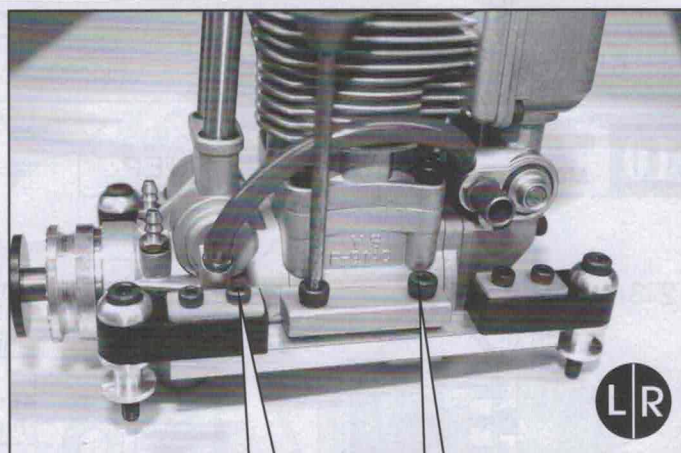
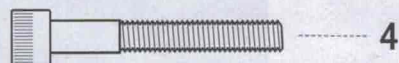
11

小翼安装座
T wing baseEP
version

12 发动机 Engine

GP
version

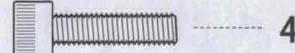
M4X30mm机螺丝



M3X16mm机螺丝



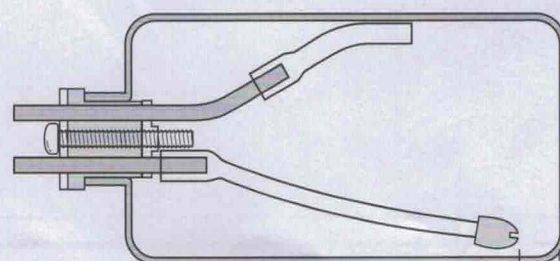
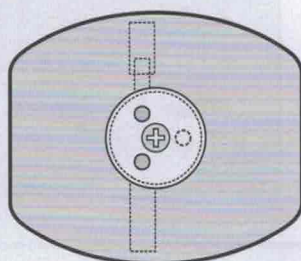
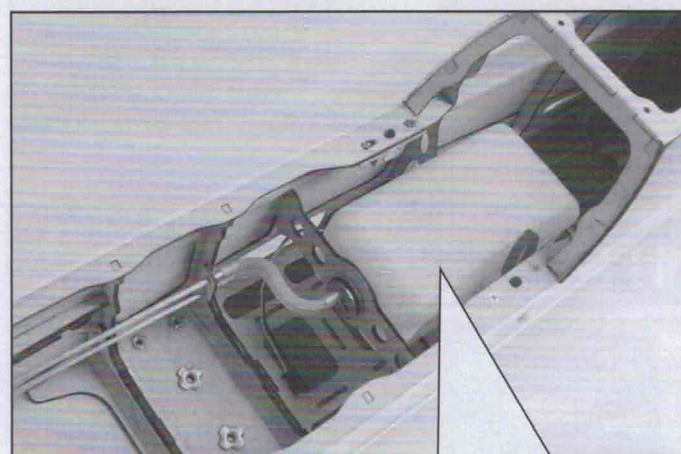
M4X14mm机螺丝



13 油箱 Fuel Tank

GP
version

M3X25mm机螺丝



5mm

14 风门舵机 Throttle servo

GP
version

3x3mm 紧定螺钉 set screws
セットスクリュー

调节接头
Screw-Lock
スクリューロック

油门钢丝
throttle wire
スロットルワイヤー

2mm 平垫片
Flat washer
平スペイサー

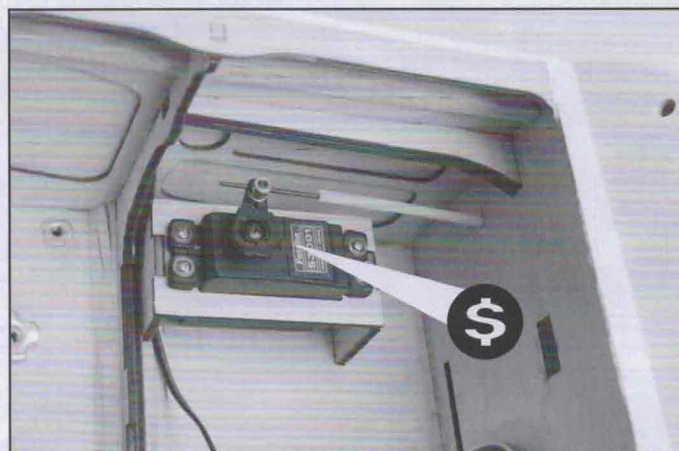
M2 螺母 Nut
ナット

调节接头
Screw-Lock
1

3x3mm 紧定螺钉
set screws
1

2mm 平垫片
Flat washer
1

M2 螺母 Nut
1

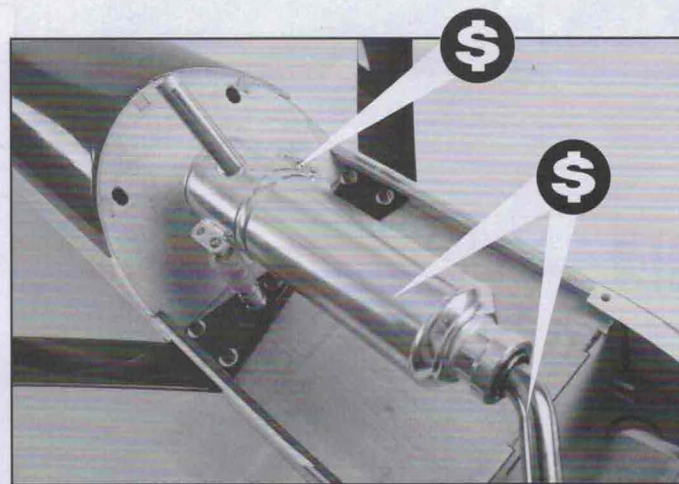
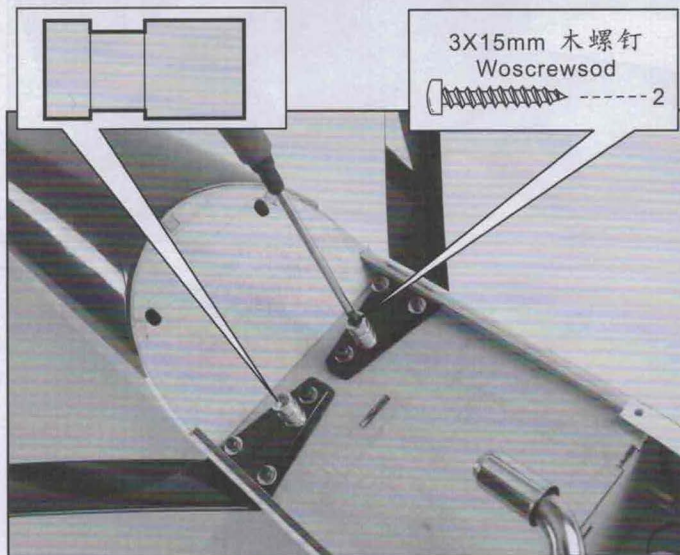


15 消音器 发动机罩 Muffle Cowing

GP
version

3X15mm 木螺钉
Woscrewsod

2

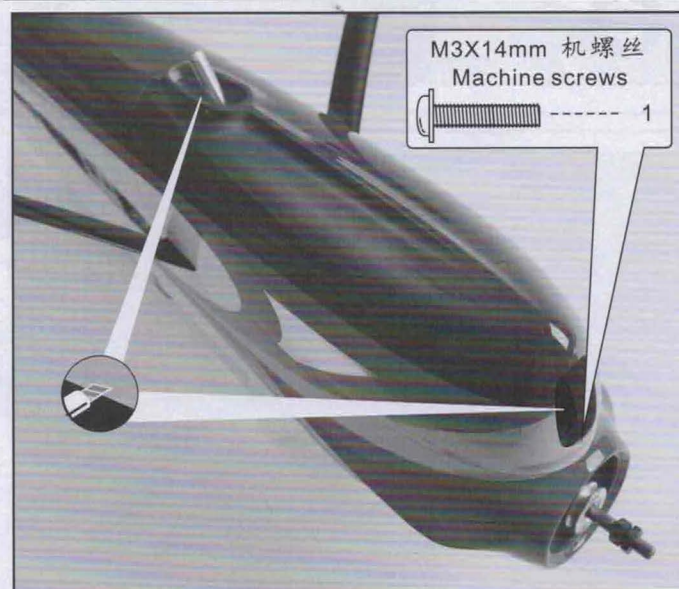


16 发动机罩 Cowing

GP
version

M3X14mm 机螺丝
Machine screws

1



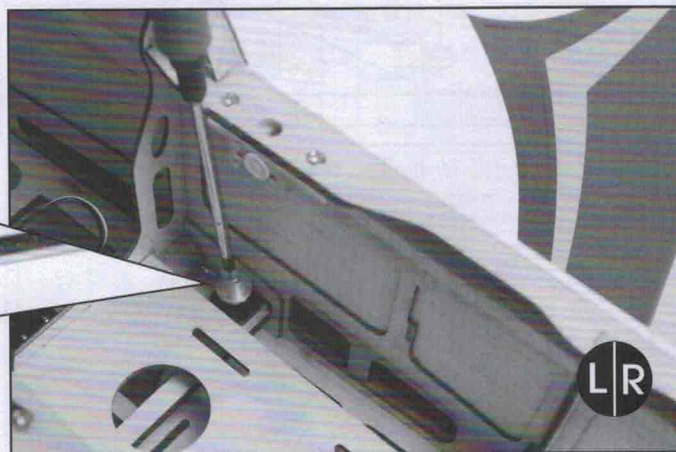
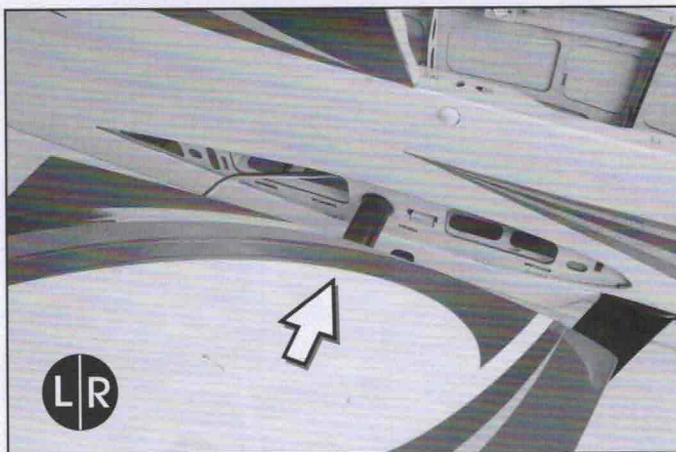
17 机翼 Wing

GP/EP
version

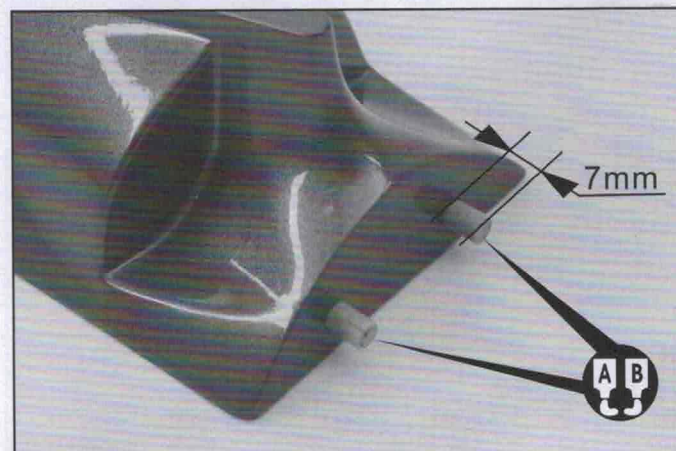
硅胶油管
Silica fuel tube 2

垫片 Washer 2

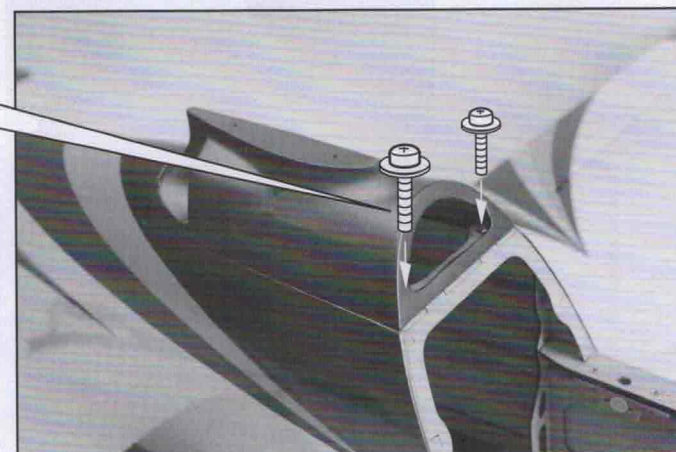
M3X20mm 机螺丝
Machine screws 2



18 小翼安装座 T wing base

GP/EP
version

M3X14mm 机螺丝
Machine screws 2



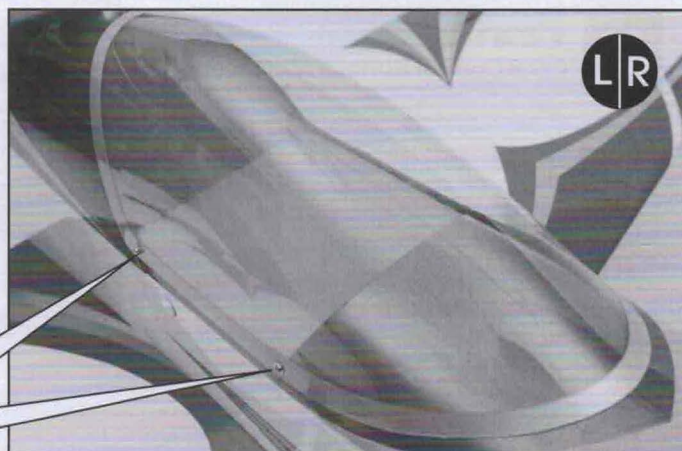
19

机翼
Main WingGP/EP
version

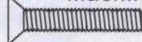
2.6X10mm 自攻螺丝



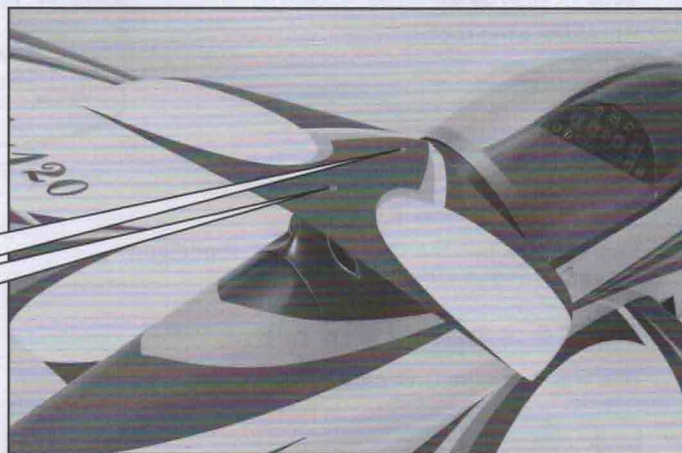
4



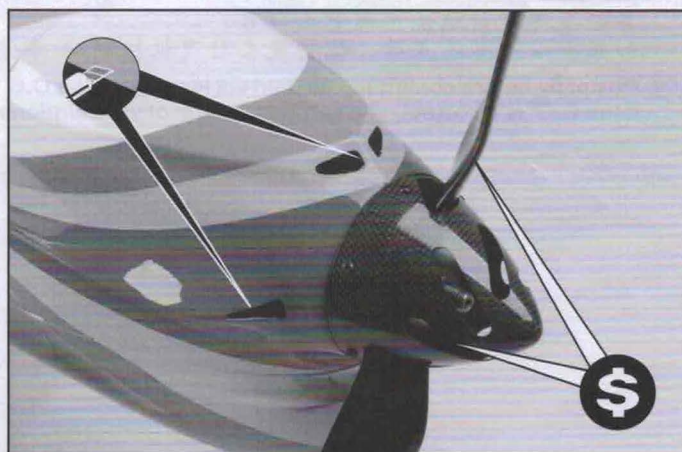
20

小翼
T WingGP/EP
versionM3X16mm 机螺丝
Machine screws

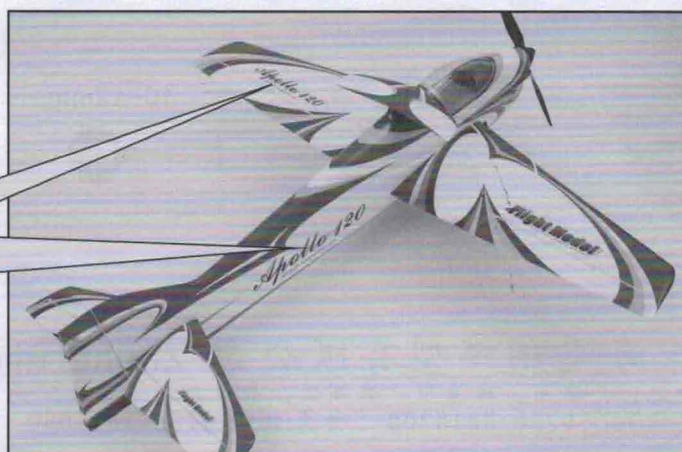
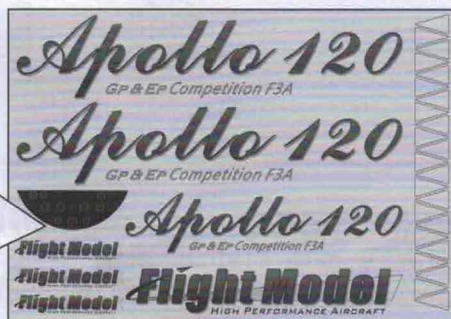
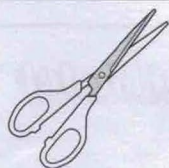
2



21

螺旋桨
PropellerGP/EP
version

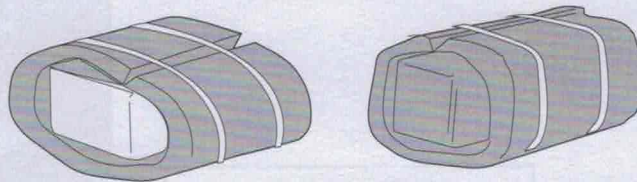
22

贴纸
DecalGP/EP
version



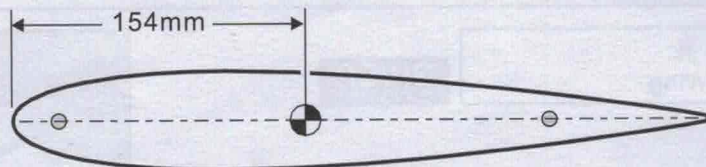
通过改变接收机和电池的位置可以调节重心!

Adjust the C.G. Position by changing the positions of receiver and battery.



机翼根部的翼肋

Rib at the wing root.



调整接收机和其他设备的前后位置,来达到指定重心位置。

In order to obtain the C.G. specified, reposition the receiver and other equipment.

重心位置 C.G position

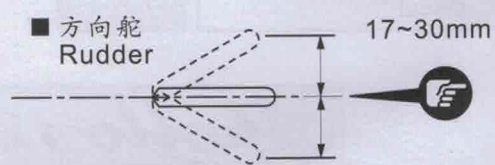
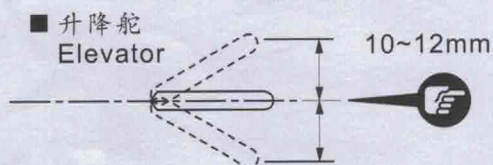
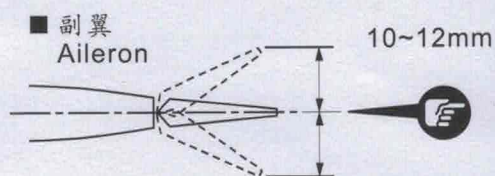
如果不能满足重心要求,请配重。

Use weights if the C.G. cannot be not obtained.



务必在飞行前确认正确重心位置。
如果重心位置不正确,你将失去对飞机控制,而导致事故!

Do not fly before confirming the correct location of the C.G.
If the C.G. is incorrect, you will lose control of your airplane which leads to accidents!



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