

Item No.: F3401(Yellow)
Item No.: F3402(Gray)

AT-6 Texan

WINGSPAN : 1450mm (57-1/16")

Instruction Manual

组装说明书



- The manual suit for every color scheme of Freewing AT-6 Texan.
- The manual only choose one color scheme as an example.
- The manual is only for reference. All is according to the actual product .We can't note if any improvement or upgrade.
- Spareparts support , please visit www.sz-freewing.com to search.

Version No.: F3401-V01

FC CE  
MADE IN CHINA

Catalogue

1	Product Introduction
5	Assemble Instruction
11	Center of Gravity
12	Assemble Structure
13	Motor Specification

3	产 品 介 绍
5	组 装 说 明
11	飞 机 重 心
12	组 装 结 构 图
13	电 机 参 数

Thanks very much for your purchasing our Freewing "AT-6 Texan", it use the EPO material and add parts of carbon material to ensure its strength structure. We have spent a lot of energy, under the premise of make sure the flight performance, we try the best to do it close to the real plane. We hope that you have many pleasant flight with your AT-6 Texan.

Its structural design is very reasonable, you can finish its install very quickly. Install main wing and tail wing is extremely simple. Only take several minutes, you can complete its assemble. Please read the assembly manual carefully to familiarize you with all the steps before starting.

The following is our basic specification.

Specification	
Material	EPO
Fuselage length	970mm (38-1/8")
Wingspan	1450mm (57-1/16")
Flight weight	1950g (68.78 oz.)
Pull	2550g (89.94 oz.)
Motor size	3648-650KV
Prop size	2-Bladed 14*7
Battery	4S 14.8V 2200mAh 20C
ESC	40A ESC
Servo	9g servo (4pcs) 17g servo (1pcs)
Landing gear	Metal Scale Electric Retract
Aileron	YES
Elevator	YES
Rudder	YES
Throttle	YES
Flap	YES(Do it by yourself)

According to different demands, we provide RTF, ARF(no transmitter, receiver ,battery and charger),Airframe only, the three equipment for your choose. Please refer to the following list to take an inventory and make sure it is complete.

Note: 1. Picture use ARF version for your reference.

2. ○ refer to RTF version △ refer to ARF version ● refer to Airframe version

EPO Foam Fuselage	○ △ ●
Motor	○ △
ESC	○ △
Servo	○ △
Battery	○
Charger	○
Spare Parts Bag	○ △ ●
Manual	○ △ ●



Accessory Bag Content List

(RTF\ARF)

Spare Parts Bag

No.	Name	Specification	Qty.
1	Screw Driver	/	1
2	Screw	PM4*50mm	2
3	Screw	PM4*35mm	2
4	Screw	PA3*42mm	1
5	Screw	PA3*35mm	1
6	Screw	PT1.7*20mm	2
7	Clips	Ø 1.2mm	2
8	Y Wire	L=100mm	2
9	Main Wing fixing plastic part	/	1
10	Tail Wing fixing plastic part	/	1
11	Air Inlet	/	1
12	Velcro	20*60mm	1

(Airframe Only)

Spare Parts Bag 1

No.	Name	Specification	Qty.
1	Screw Driver	/	1
2	Screw	PM4*50mm	2
3	Screw	PM4*35mm	2
4	Screw	PA3*42mm	1
5	Screw	PA3*35mm	1
6	Screw	PT1.7*20mm	2
7	Screw	PA3*10mm	4
8	Clips	Ø 1.2mm	2
9	Y Wire	L=100mm	3
10	Main Wing fixing plastic part	/	1
11	Tail Wing fixing plastic part	/	1
12	Air Inlet	/	1
13	Velcro	20*60mm	1
14	Metal Wire	L=41.5mm	2

Spare Parts Bag 2

No.	Name	Specification	Qty.
1	Propeller	2-Bladed 14*7	1

Note:

- 1.This is not a toy .It is for experienced modelers only. You are responsible for the safeoperation of this model and any damage of harm it may cause.
- 2.Before flying the AT-6 Texan for the first time .Please read through the instructions carefully and make sure that your radio equipment is working properly and has been range tested prior to flight.
- 3.Young people under the age of 14 should only be permitted to operate this model under the instruction and supervision of and adult with modeling experience.
- 4.Please keep these instructions for future reference after completing model assembly.They contain information critical to the safe operation of this model.
- 5.If you have any further questions regarding the safe operation of you RC model.pleasecontact your local hobby shop .flying club or Freewing Model for professional help and advice.

非常感谢您购买“AT-6 Texan”，这款飞机模型采用EPO材料制作，同时加入碳纤材料进行加强,充分保证了模型结构的强度.我们花费了很大的精力，在保证飞行性能的前提下,力求这款模型接近于真实的飞机。希望您能够通过“它”，来体验飞行的乐趣！

这款飞机的结构设计非常优秀、整机完成度较高。主翼、尾翼的拼装过程异常简单。仅仅需要花费您几分钟的时间，即可完成飞机的拼装。接下来，请您认真的阅读说明书、来指导您正确的安装和了解这款模型。

以下是这款飞机的一些基本参数:

规格参数	
材料	EPO
机身长度	970mm (38-1/8")
翼展	1450mm (57-1/16")
起飞重量	1950g (68.78 oz.)
推力	2550g (89.94 oz.)
电机尺寸	3648-650KV
桨叶尺寸	2-Bladed 14*7
电池	4S 14.8V 2200mAh 20C
电调	40A ESC
舵机	9g servo (4pcs) 17g servo (1pcs)
起落架	Metal Scale Electric Retract
副翼	YES
平尾	YES
方向	YES
油门	YES
襟翼控制	YES(预留位置、自行改装)

根据每位消费者不同的需求，我们分别提供整机、ARF(不含发射机、接收机、电池、充电器)、空机三种不同的配置方案供大家选择。请参考下列清配置清单和图片来核对产品的完整性。

注：1. 图片采用ARF配置做为参考.

2. ○ 符号代表整机配置 △ 符号代表 ARF 配置 ● 符号代表空机配置

EPO泡沫机身套件	○ △ ●
电机	○ △
电调	○ △
舵机	○ △
电池	○
充电器	○
零件包	○
说明书	○ △ ●



附件包内容列表

附件包(整机、ARF)

零件包

序 号	品 名	规 格	数 量
1	螺丝刀	/	1
2	螺丝	PM4*50mm	2
3	螺丝	PM4*35mm	2
4	螺丝	PA3*42mm	1
5	螺丝	PA3*35mm	1
6	螺丝	PT1.7*20mm	2
7	塑料夹头	Ø1.2mm	2
8	Y 线	L=100mm	2
9	主翼固定塑料件	/	1
10	尾翼固定塑料件	/	1
11	进气口装饰件	/	1
12	魔术贴	20*60mm	1

附件包(空机)

零件包 1

序 号	品 名	规 格	数 量
1	螺丝刀	/	1
2	螺丝	PM4*50mm	2
3	螺丝	PM4*35mm	2
4	螺丝	PA3*42mm	1
5	螺丝	PA3*35mm	1
6	螺丝	PT1.7*20mm	2
7	螺丝	PA3*10mm	4
8	塑料夹头	Ø1.2mm	2
9	Y 线	L=100mm	3
10	主翼固定塑料件	/	1
11	尾翼固定塑料件	/	1
12	进气口装饰件	/	1
13	魔术贴	20*60mm	1
14	主翼舵机钢丝	L=41.5mm	2

零件包 2

序 号	品 名	规 格	数 量
1	螺旋桨	2叶桨 14*7	1

Install

Note:

1. When install, please read the manual carefully. if you have any questions, kindly contact with your distributor, or contact us on freewing@sz-freewing.com
2. Before install, please refer to P12 ,check the screw position.
3. Spareparts support , please visit www.sz-freewing.com to search.

组装部份

提示:

1. 组装过程中, 请仔细对照说明书, 如有任何疑问, 可以联系您购买产品的经销商, 或者联系我们公司邮箱 freewing@sz-freewing.com 来寻求帮助。
2. 组装过程中, 请参考第12页, 查看螺丝正确的应用位置。
3. 配件支持, 请登陆我们公司的网址www.sz-freewing.com进行查询。

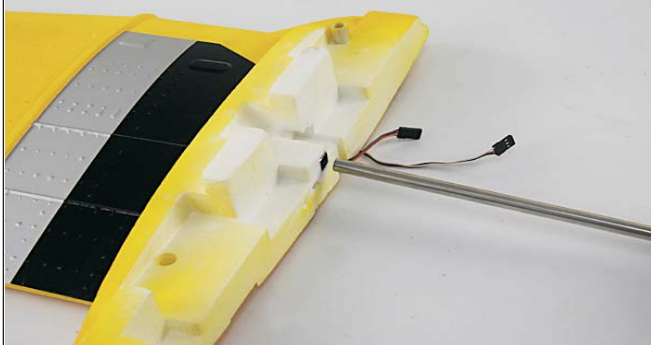
-Prepare to install main wing as the right photo shown.

-如右图所示, 准备安装主翼。



-Insert the stainless tube into one wing.

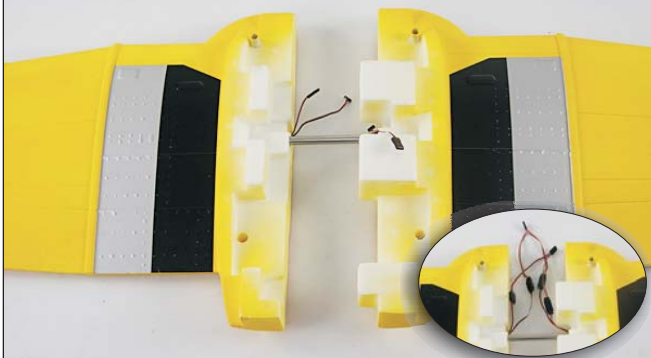
-将不锈钢管插入其中一侧主翼。



-Insert the another side of stainless tube into another wing.

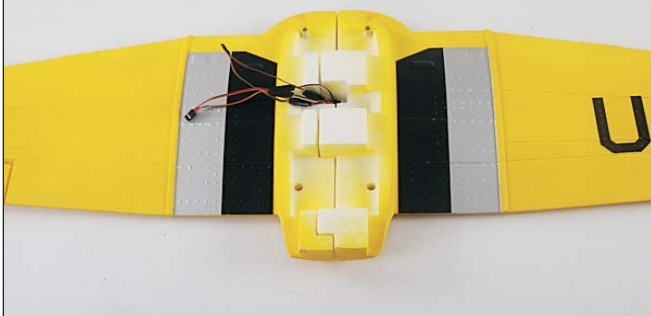
-Use one Y-wire to connect left/right main wing servo wire. Use another Y-wire to connect left/right main landing gear wire.

-不锈钢管另外一侧插入另外一只主翼。
-用二根“Y”分别连接左右主翼电子起落架、副翼舵机。





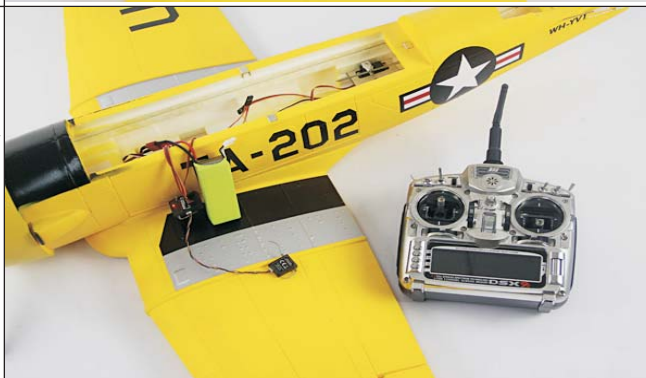


-Press on the left & right main wing.


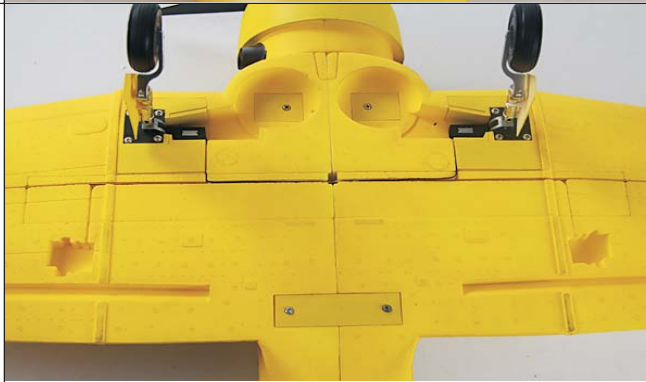
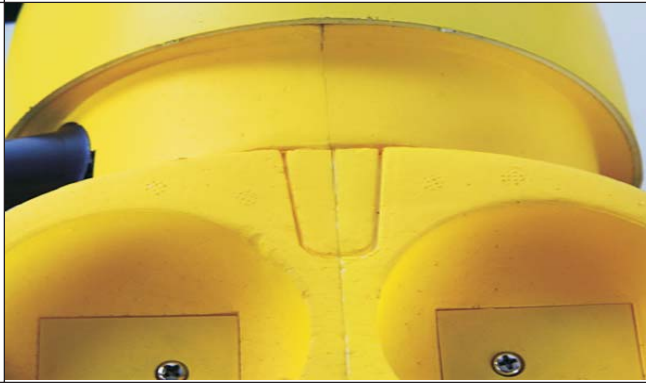
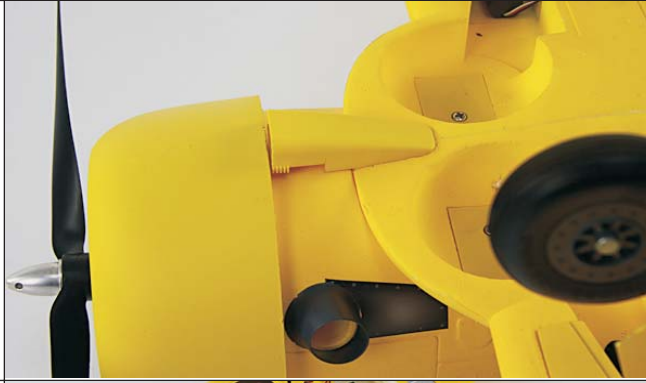

-合拢左、右主翼。


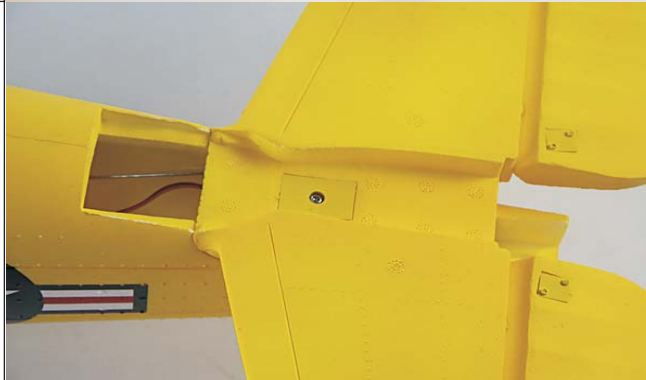





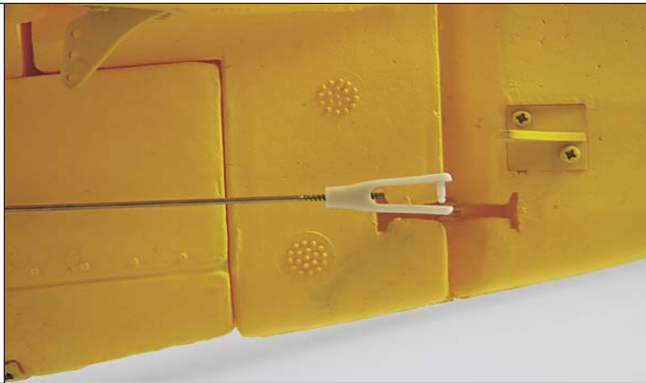



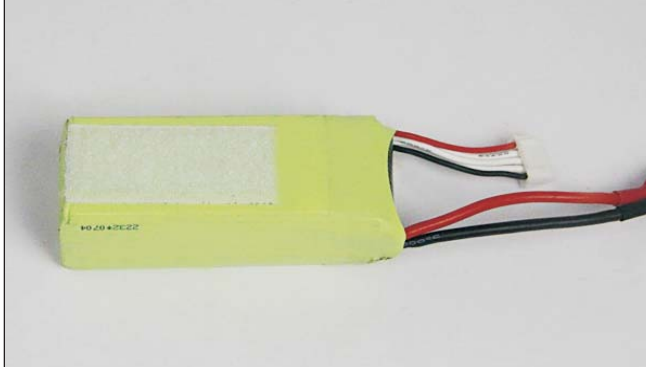
AT-6 Texan

Item No.: F3401(Yellow); F3402(Gray)
产品编号: F3401(黄色); F3402(灰色)

<p>-Remove the canopy from fuselage.</p> <p>-从机身上取下座舱罩。</p>	
<p>-Press the fuselage on the main wing.</p> <p>-将机身扣在主翼上方。</p>	
<p>-Switch on the transmitter, connect throttle channel and landing gear channel and power on.</p> <p>-打开发射机、连接油门通道及起落架通道，并连接电源。</p>	
<p>-As the right photo shown, put down the main landing gear.</p> <p>-如右图所示，放下主起落架。</p>	
<p>-Keep the "put down landing" condition and power off.</p> <p>-保持前起落架放下状态。关闭飞机及发射机电源。</p>	

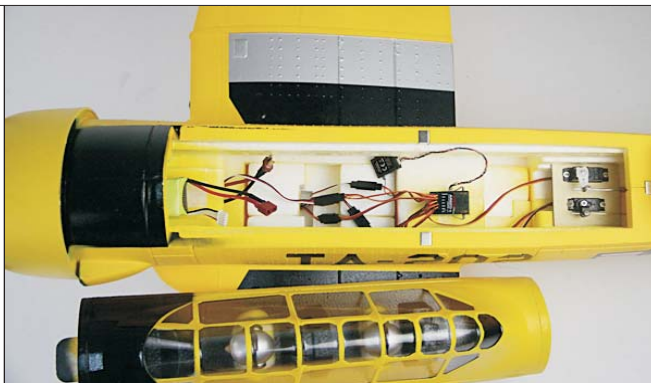
<p>-Turn over the fuselage, press on the main wing fixing plastic parts.</p> <p>-翻转机身，扣入主翼紧固塑料件。</p>	
<p>-Fixed the main wing on the fuselage by screws.</p> <p>-用螺丝将主翼固定在机身上。</p>	
<p>-Apply the glue to the indicated position.</p> <p>-在右图所示区域，涂摸少许胶水。</p>	
<p>-Glue on the inlet decorate plastic parts.</p> <p>-粘上塑料进气道装饰件。</p>	
<p>-As the right photo shown, prepare to install tail wing set.</p> <p>-如右图所示。准备好物料，准备安装尾翼。</p>	

<p>-Install elevator</p> <p>-安装平尾.</p>	
<p>-Fixed the elevator by screws.</p> <p>-用螺丝固定平尾。</p>	
<p>-As the right photo shown, install rudder.</p> <p>-如右图所示。安装垂直尾翼。</p>	
<p>-Turn over fuselage, press on the rudder fixing plastic parts.</p> <p>-翻转机身，扣入垂尾固定塑料件。</p>	
<p>-Screw tightly to fix rudder.</p> <p>-锁紧螺丝来固定垂尾.</p>	

<p>-Through the plastic chuck to adjust the rod length, make sure the wing surface is in the center, then fasten the plastic chuck.</p> <p>-通过钢丝末端的塑料夹头，调节拉杆长短。在保证翼面居中的情况下，扣紧塑料夹头。</p>	
<p>-As the right photo shown, the elevator is in the center.</p> <p>-如右图所示平尾舵面处于居中状态。</p>	
<p>-As the right photo shown, the rudder is in the center.</p> <p>-如右图所示垂尾舵面处于居中状态。</p>	
<p>-As the right photo shown, the aileron is in the center.</p> <p>-如右图所示主翼舵面处于居中状态。</p>	
<p>-Stick the velcro on the battery to fix it. PS: the battery range we advise is as following: 4S 2200mAh ~ 4S 3500mAh</p> <p>-用魔术贴贴在电池其中一面。用来固定电池。 Ps: 我们建议使用的电池范围如下: 4S 2200mAh ~ 4S 3500mAh</p>	

- How to put electric parts in battery cabin ,please refer to the right photo.

-电池舱内电子件摆放位置请参考右图。



Flap Modification Instructions

We increased the possibility of flap modification. We reserved the servo install position and also prepared the modify materials (include control wire/plastic arm/ screws). If you need, you can use our parts to increase the flap function.

襟翼改装说明

我们为这款飞机增加了改装襟翼的可能性。预留襟翼舵机安装位置、同时配备了改装所需要的材料（控制钢丝、舵面摇臂及所需要的螺丝）。如果您有需要，请使用我们提供的配件为您的飞机增加襟翼。



Preflight

After check everything before flight, as a beginner, we should pay attention of following issues, to make sure our flight is successful.

1. When use radio set, make sure switch on the transmitter power firstly, then power on the receiver.
2. Before flight, under power on condition, push up and down the throttle and check the motor/ESC work well.
3. Before flight, check well the plane's center of gravity. Correct CG is the key factor of successful flight. Please refer to P11 to check the center of gravity.
4. No matter take-off on the road or hand launch, we must upwind to take off.
5. After take off, if any unusual flight or hard to control, we should pull high the plane, then trim to adjust according to the actual situation to maintain it level flight.
6. When the transmitter alarm, you must end your flight as soon as possible and operate to its landing, to avoid the radio will be out of control since of low voltage.
7. If any damage in flight, please purchase the spareparts from your distributor or refer to www.sz-freewing.com to check.

飞行注意事项

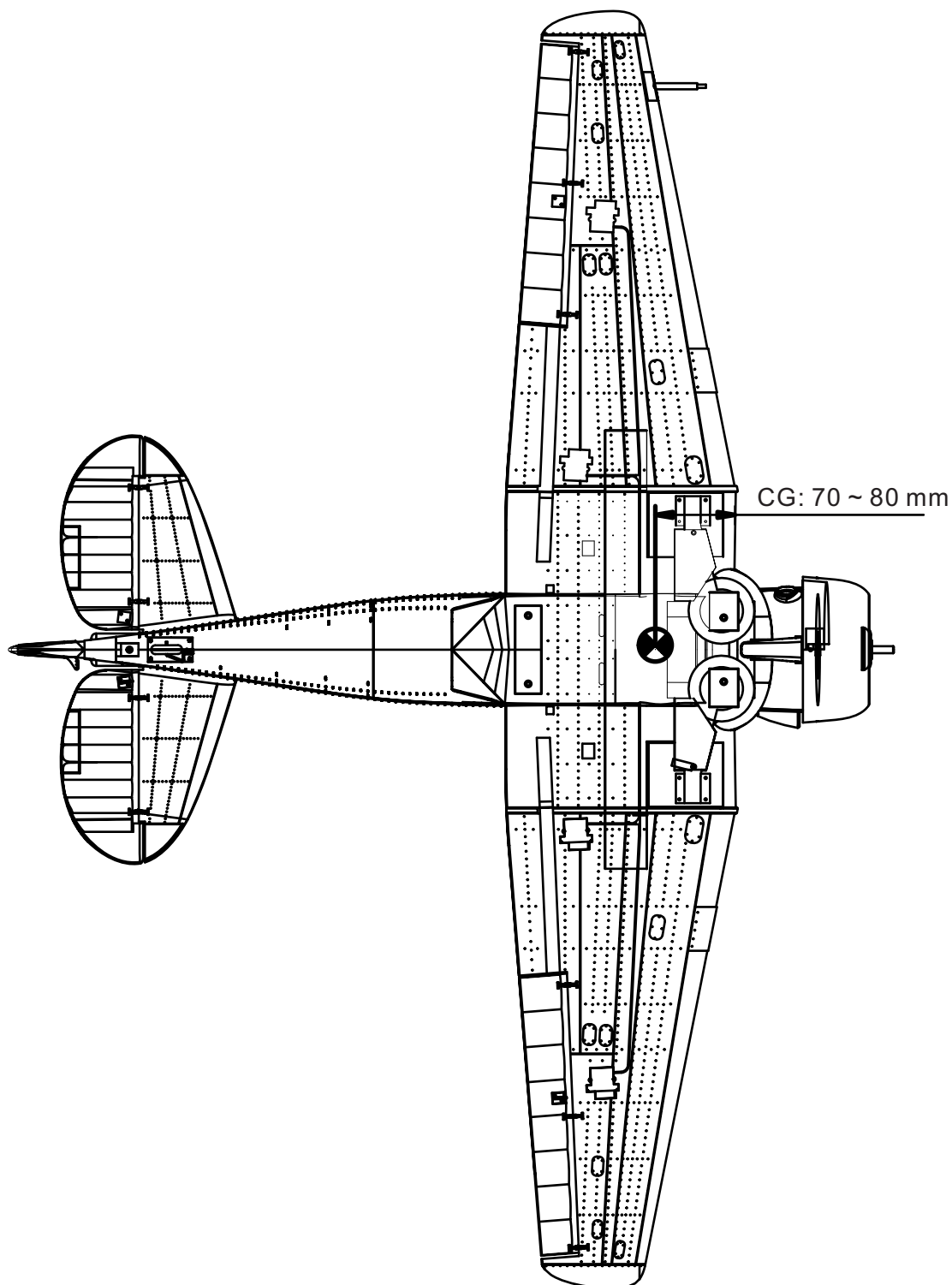
我们应该在飞行前及飞行中注意下面一些问题。这样，会使我们的飞行更加成功。

- 1、在正常使用摇控设备时，必须保证先打开发射机电源，然后再将接收机通电。
- 2、在飞行前，通电状态下，应反复上、下推动油门，检验马达与电子调速器的工作状态是良好。
- 3、飞行前，必须确认飞机的重心位置。正确的重心位置是获得成功飞行关键因素。请参考P11来确认飞机的重心位置。
- 4、不管是选择滑跑起飞或者是手掷起飞，我们都应该迎风起飞。
- 5、飞机起飞后，发现飞行姿态有异常或难以控制时，我们应当尽量拉高飞机，然后根据飞机的实际情况，调整飞机的微调开关。使飞机可以保持平飞。
- 6、当发射机发出报警音后，应尽快结束飞行，操纵模型飞机着陆，避免低电压造成摇控设备失控。
- 7、在飞行过程中，如发生损坏，请联系您的模型商购买配件。请参考我们的网站：www.sz-freewing.com查询。

Center of Gravity

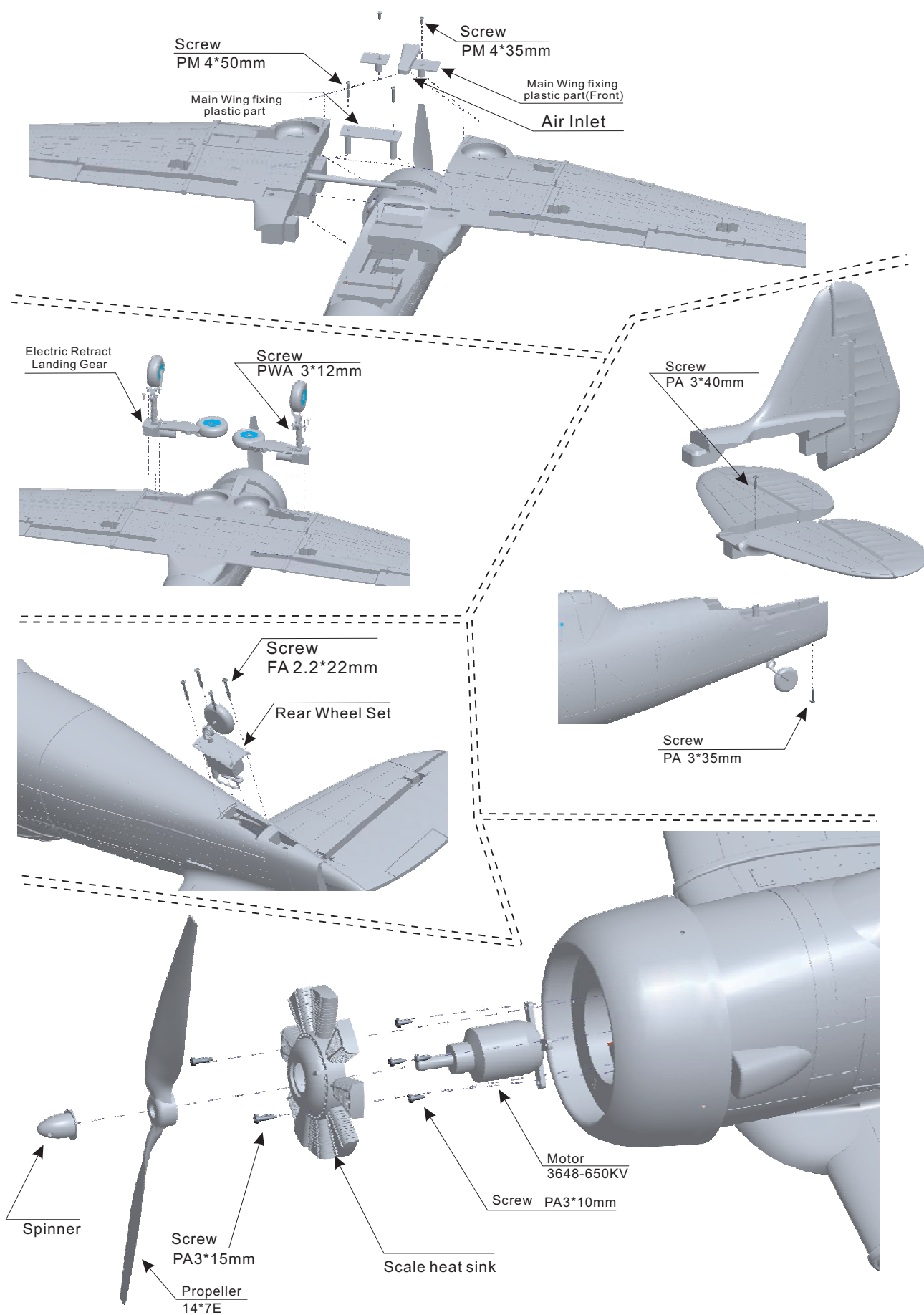
Check the aircraft center of gravity ,wrong center of gravity will lead to failure fly.
(Please refer to the following photo to check CG.)

我们在飞行前需要确认飞机的重心位置，错误的重心位置可能会导致您的飞行失败。
(请参考下列图片所标示的重心位来调整飞机的重心。)



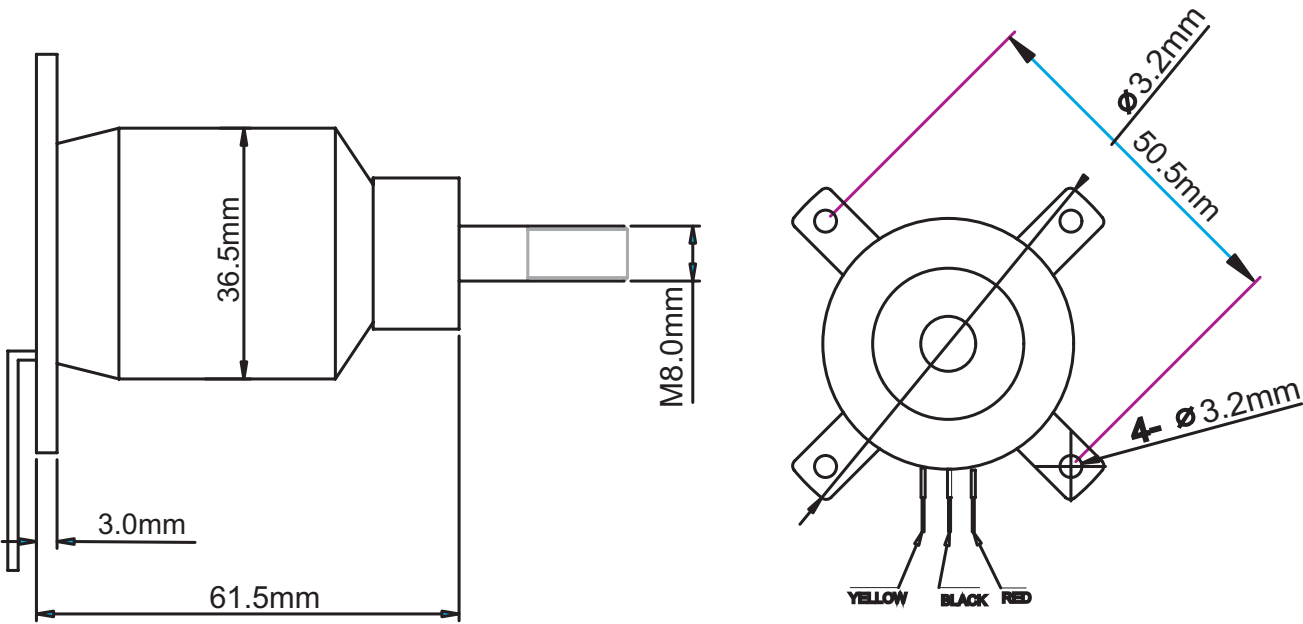
AT-6 Texan Assemble Photo

“AT-6 Texan” 组装图解

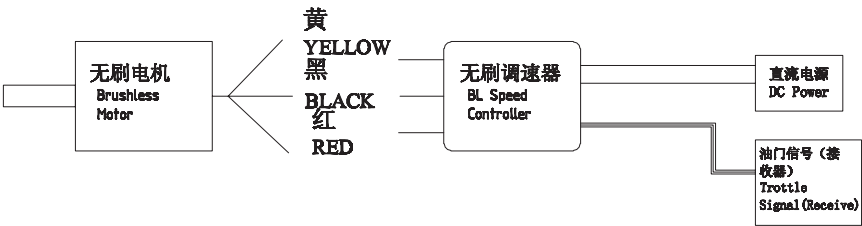


Motor Specification

电机参数



接线示意图:
Sketch Map



Model	KV Value	Volate (V)	Current (A)	Pull (g)	RPM	Weight (g)	G/A	No Load Current	Prop	ESC
3648-650	650RPM/V	14.8	31	2500	----	198	53.3	1.7	1407	36A



Have Fun!
We hope that you have many pleasant
flights with your AT-6 Texan !



Shenzhen Freewing Model Co.,Ltd
HK Freewing Model International Limited

Add.:FeiYi Building,face to Labor Bureau, Fumin Middle Road, Dalang Town,
Dongguan City, Guangdong Province, China
Web: <http://www.sz-freewing.com>
Email:freewing@sz-freewing.com
Tel: 86-769-82669669 Fax:86-769-82033233