Item No.:F3101/2

# SU-35 Flanker-E

## User Manual

- The manual suit for every color scheme of Freewing SU-35 Flanker-E.
- 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.

- 此说明书适合本公司 **SU-35 Flanker-E** 所有涂装安装指导.
- 此说明书仅选用其中一款涂装作为范本进行安装指导。
- 说明书仅作参考,一切以实物为准。为产品改进而进行的版本升级，不另行通知！

版本号：*F3101-V01*

Freewing Model
www.sz-freewing.com
MADE IN CHINA

# Catalogue


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Welcome to purchase our new EDF jet SU35. SU35 / Su Kai 35 ( NATO codename: Flanker-E ) ) is the 4.5 generation of heavy fighters, with remote, multipurpose, air superiority and strike characteristics. With a AL-37FU engine thrust vector Su 35 can make many unconventional action, for example, almost zero radius, high zero out in a vertical direction of 360° overturning; vertical upward, to vector thrust to the highest point in seconds, and then changed the " pendulum"; the angle of attack is pulled to about 120 °" super Cobra" and many unnamed action, resounding whole world.

This aircraft model use EPS material. Compared to EPO material, ensure the fuselage parts hardness. At the same time this SU-35 model use vector nozzle design, it makes the aircraft flight inconceivable. Full metal scale landing gear and electric cabin door design, not only ensure the scale effect, also has strong buffering capacity.

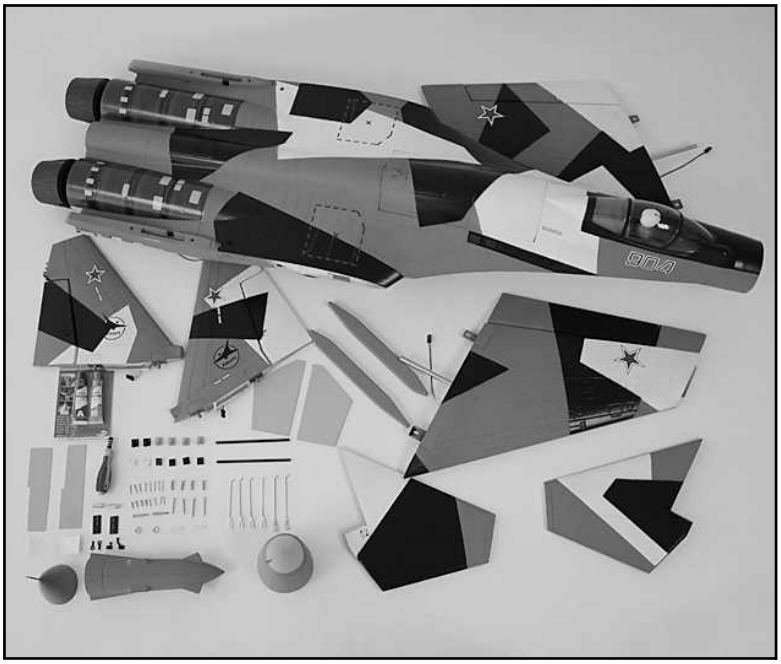
Compare to our previous EDF jet design,this SU35's main wings,rudder,elevator all use modular design,the installation process is very simple,also make the length reach 1600mm aircraft carry very convenient

**Considering each flyer flight level, SU35 is divided into two versions,please refer to the following:**

| Standard Version | | 3D sport Version | |
|---|---|---|---|
| **Material** | EPS | **Material** | EPS |
| **Fuselage Length** | 1630mm (64") | **Fuselage Length** | 1630mm (64") |
| **Wingspan** | 1080mm (42-1/2") | **Wingspan** | 1080mm (42-1/2") |
| **Flight Weight** | 2450g (86.42 oz.) | **Flight Weight** | 2600g (91.71 oz.) |
| **Thrust** | 2300g (81.13 oz.) | **Thrust** | 3000g (105.82 oz.) |
| **Motor Size** | 2839-3000KV (6p9s) 2pcs | **Motor Size** | 2839-2200KV (8p12s) 2pcs |
| **Prop Size** | 70mm EDF 2pcs (1pcs normal,1pcs reverse) | **Prop Size** | 70mm EDF 2pcs (1pcs normal,1pcs reverse) |
| **Recommended Battery** | 4S 14.8V 3700mAh 30C | **Recommended Battery** | 6S 22.2V 3700mAh 30C |
| **ESC** | 45A ESC (2pcs) | **ESC** | 55A ESC (2pcs) |
| **Servos** | 4pcs 9g servo. 2pcs 17g digital metal gear servo | **Servos** | 9pcs 9g servo. 2pcs 17g digital metal gear servo |
| **Retracts** | Metal Scale Electric Retract | **Retracts** | Metal Scale Electric Retract |
| **Landing gear cabin door control** | YES | **Landing gear cabin door control** | YES |
| **Aileron** | YES | **Aileron** | YES |
| **Elevator** | YES | **Elevator** | YES |
| **Rudder** | NO | **Rudder** | YES |
| **Throttle** | YES | **Throttle** | YES |
| **Flaps** | NO | **Flaps** | NO |
| **Vector control** | NO | **Vector control** | YES |

**At the same time, for each version, we provide two kinds of configuration options ( PNP, KIT ), please according to the configuration list, refer to the following pictures to check the products and their accessories.**

| Configuration List | PNP | KIT |
|---|---|---|
| Fuselage | Standard | Standard |
| Main wing set | Standard | Standard |
| Elevator | Standard | Standard |
| Rudder | Standard | Standard |
| Motor | Standard | / |
| ESC | Standard | / |
| Servo | Standard | / |
| Electronic Retracts | Standard | Standard |
| Landing gear cabin door control panel | Standard | Standard |
| Nose cone | Standard | Standard |
| Tail cone | Standard | Standard |
| Belly vertical fixed wing | Standard | Standard |
| Manual | Standard | Standard |
| AB Glue | Standard | Standard |
| Main wing plastic parts bag | Standard | Standard |
| Elevator plastic parts bag | Standard | Standard |
| Rudder plastic parts bag | Standard | Standard |
| Spare parts bag 1 | Standard | Standard |
| Spare parts bag 2 | Standard | Standard |



# Accessory Bag Content List

**Main wing plastic parts bag**

| No. | Name | Specification | Qty. |
|---|---|---|---|
| 1 | Screw | PM4*14mm | 4 |
| 2 | Screw | PT1.7*12mm | 4 |
| 3 | Metal wire | 67.8*6.7mm ¢1.2mm | 2 |
| 4 | Rudder arm | / | 2 |
| 5 | Rudder arm pressed | / | 2 |

**Elevator plastic parts bag**

| No. | Name | Specification | Qty. |
|---|---|---|---|
| 1 | Screw | FT2.6*9mm | 4 |
| 2 | Screw | PT1.7*16mm | 4 |
| 3 | Screw | PM2.0*4mm | 2 |
| 4 | metal fasteners | ¢9.2*4 one side open M2 hole | 2 |
| 5 | Metal wire | 79*6.5mm ¢1.5mm | 2 |
| 6 | Rudder arm | / | 2 |
| 7 | Rudder arm pressed | / | 2 |
| 8 | Carbon rod | ¢15*123mm | 2 |

**Rudder plastic parts bag**

| No. | Name | Specification | Qty. |
|---|---|---|---|
| 1 | Screw | PA3*25mm | 2 |
| 2 | Screw | PA3*30mm | 2 |
| 3 | Screw | PT1.7*14mm | 4 |
| 4 | Metal wire | 67.8*6.7mm ¢1.2mm | 2 |
| 5 | Rudder arm | / | 2 |
| 6 | Rudder arm pressed | / | 2 |

**Spare parts bag 1**

| No. | Name | Specification | Qty. |
|---|---|---|---|
| 1 | Clevis | / | 2 |
| 2 | Screw | / | 2 |
| 3 | Female lead | / | 2 |
| 4 | Casing | / | 2 |
| 5 | Elevator ball arm | / | 1 |
| 6 | Rudder ball arm | / | 1 |
| 7 | Ball buckle | / | 2 |
| 8 | Adhesive velcro | / | 1 |
| 9 | Screw driver | / | 1 |
| 10 | AB glue | / | 1 |

**Spare parts bag 2**

| No. | Name | Specification | Qty. |
|---|---|---|---|
| 1 | The plane belly vertical fixed wing | / | 2 |
| 2 | Servo lines cover left | / | 1 |
| 3 | Servo lines cover right | / | 1 |

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 Su-35 Flanker-E for the first time .Please read through the instructions carefully and make sure that your radio equipment is working properly and has been range testedprior 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.

欢迎您购买我们生产的最新涵道飞机Su-35。苏-35/苏恺35 (北约代号：Flanker-E)是第4.5代重型战机，具有远程，多用途，空优和打击等特性。装有AL-37FU矢量推力发动机的苏-35能做出许多超常规动作，例如，几乎零半径、零掉高在垂直方向上360°翻转；垂直上升，以矢量推力维持在最高点数秒，然后再改出的“钟摆”；将攻角拉到约120°的“超级眼镜蛇”以及许多未命名动作，轰动了整个世界。

这款飞机模型采用EPS材料制作。相比EPO材料，保证了机身各部份的硬度。同时将向量喷口设计方案运用到这款SU-35模型上面，使得飞机的飞行变得不可思议。全金属仿真起落架和电动舱门的设计，既保证了模型的仿真效果，也具有超强的缓冲能力。

这款Su-35模型飞机与我们以往设计的涵道飞机相对比：主翼、垂尾、平尾全部采用模块化设计，安装过程非常简单，同时更使得这架机长达到1600mm的飞机在携带时变得非常方便。

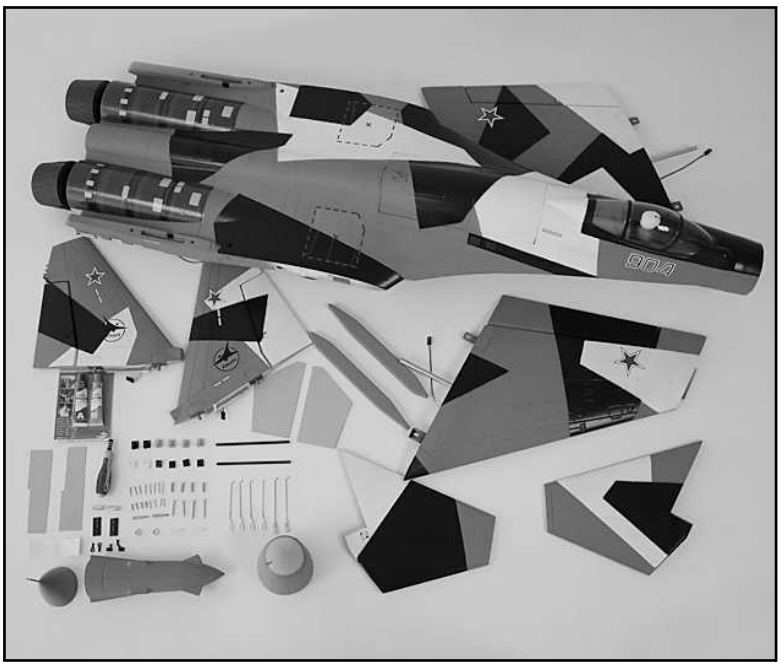
我们考虑到每个层次玩家的飞行水平的不同，将SU-35分为二个版本(基础版和3D运动版)，请参考下列表格进行区别。

| 基础版 | |
|---|---|
| 材料 | EPS |
| 机身长度 | 1630mm (64") |
| 翼展 | 1080mm (42-1/2") |
| 起飞重量 | 2450g (86.42 oz.) |
| 推力 | 2300g (81.13 oz.) |
| 电机尺寸 | 2839-3000KV (6p9s) 2pcs |
| 桨叶尺寸 | 70mm 涵道风扇 2pcs<br>(1pcs 正转,1pcs 反转) |
| 电池 | 4S 14.8V 3700mAh 30C |
| 电调 | 45A ESC (2pcs) |
| 舵机 | 4pcs 9克舵机<br>2pcs 17克 金属\数码舵机 |
| 起落架 | 全金属仿真起落架 |
| 起落架舱门控制 | YES |
| 副翼 | YES |
| 平尾 | YES |
| 方向 | YES |
| 油门 | YES |
| 襟翼 | NO |
| 向量控制 | NO |

| **3D** 运动版 | |
|---|---|
| 材料 | EPS |
| 机身长度 | 1630mm (64") |
| 翼展 | 1080mm (42-1/2") |
| 起飞重量 | 2600g (91.71 oz.) |
| 推力 | 3000g (105.82 oz.) |
| 电机尺寸 | 2839-2200KV (8p12s) 2pcs |
| 桨叶尺寸 | 70mm 涵道风扇 2pcs<br>(1pcs 正转,1pcs 反转) |
| 电池 | 6S 22.2V 3700mAh 30C |
| 电调 | 55A ESC (2pcs) |
| 舵机 | 9pcs 9克舵机<br>2pcs 17克 金属\数码舵机 |
| 起落架 | 全金属仿真起落架 |
| 起落架舱门控制 | YES |
| 副翼 | YES |
| 平尾 | YES |
| 方向 | YES |
| 油门 | YES |
| 襟翼 | NO |
| 向量控制 | YES |

同时，针对每个版本，我们都提供二种配置以供选择（PNP, KIT），请根据配置清单，参考下列图片来核对产品及附件。

| 配置清单 | 动力完成版 | 空机 |
|---|---|---|
| 机身套件 | 标配 | 标配 |
| 主翼套件 | 标配 | 标配 |
| 平尾套件 | 标配 | 标配 |
| 垂尾套件 | 标配 | 标配 |
| 电机 | 标配 | 无 |
| 电调 | 标配 | 无 |
| 舵机 | 标配 | 无 |
| 电子起落架 | 标配 | 标配 |
| 起落架舱门控制板 | 标配 | 标配 |
| 机头罩 | 标配 | 标配 |
| 尾锥 | 标配 | 标配 |
| 机腹垂直安定翼 | 标配 | 标配 |
| 说明书 | 标配 | 标配 |
| Ab胶 | 标配 | 标配 |
| 主翼附件包 | 标配 | 标配 |
| 平尾附件包 | 标配 | 标配 |
| 垂尾附件包 | 标配 | 标配 |
| 备件零件包1 | 标配 | 标配 |
| 备件零件包2 | 标配 | 标配 |



# 附件包内容列表

主翼附件包

| 序 号 | 品 名 | 规 格 | 数 量 |
|---|---|---|---|
| 1 | 螺丝 | PM4*14mm | 4 |
| 2 | 螺丝 | PT1.7*12mm | 4 |
| 3 | 钢丝 | 67.8*6.7mm ¢1.2mm | 2 |
| 4 | 舵面摇臂 | / | 2 |
| 5 | 舵面摇臂压片 | / | 2 |

平尾附件包

| 序 号 | 品 名 | 规 格 | 数 量 |
|---|---|---|---|
| 1 | 螺丝 | FT2.6*9mm | 4 |
| 2 | 螺丝 | PT1.7*16mm | 4 |
| 3 | 螺丝 | PM2.0*4mm | 2 |
| 4 | 五金紧固件 | ¢9.2*4 一端开M2孔 | 2 |
| 5 | 钢丝 | 79*6.5mm ¢1.5mm | 2 |
| 6 | 舵面摇臂 | / | 2 |
| 7 | 舵面摇臂压片 | / | 2 |
| 8 | 碳纤棒 | ¢15*123mm | 2 |

垂尾附件包

| 序 号 | 品 名 | 规 格 | 数 量 |
|---|---|---|---|
| 1 | 螺丝 | PA3*25mm | 2 |
| 2 | 螺丝 | PA3*30mm | 2 |
| 3 | 螺丝 | PT1.7*14mm | 4 |
| 4 | 钢丝 | 67.8*6.7mm ¢1.2mm | 2 |
| 5 | 舵面摇臂 | / | 2 |
| 6 | 舵面摇臂压片 | / | 2 |

备件零件包1

| 序 号 | 品 名 | 规 格 | 数 量 |
|---|---|---|---|
| 1 | 夹头 | / | 2 |
| 2 | 螺丝 | / | 2 |
| 3 | 香蕉母头 | / | 2 |
| 4 | 套管 | / | 2 |
| 5 | 升降球头 | / | 1 |
| 6 | 方向球头 | / | 1 |
| 7 | 球头扣 | / | 2 |
| 8 | 魔术贴 | / | 1 |
| 9 | 螺丝刀 | / | 1 |
| 10 | Ab胶 | / | 1 |

备件零件包2

| 序 号 | 品 名 | 规 格 | 数 量 |
|---|---|---|---|
| 1 | 机腹垂直安定面 | / | 2 |
| 2 | 舵机线盖左 | / | 1 |
| 3 | 舵机线盖右 | / | 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.the manual was based on the 3D sport version as a reference, part of the contents is not fit the standard version.

3.**Before install, please refer to P19, check correctly the screw position.**

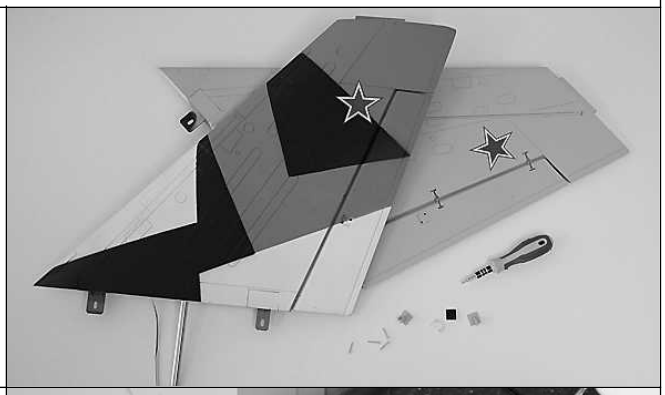
## 组装部份

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. 本说明书是以3D运动版作为参考制作，部份内容不适合基础版。
3. 组装过程中,请参考P19页面,查看螺丝正确的应用位置。

## Install Arm

1, Please prepare the following parts to install the arms as the right photo shown.
(Considering the package, it need the pilots assemble these parts, in here, we apologize to you!)



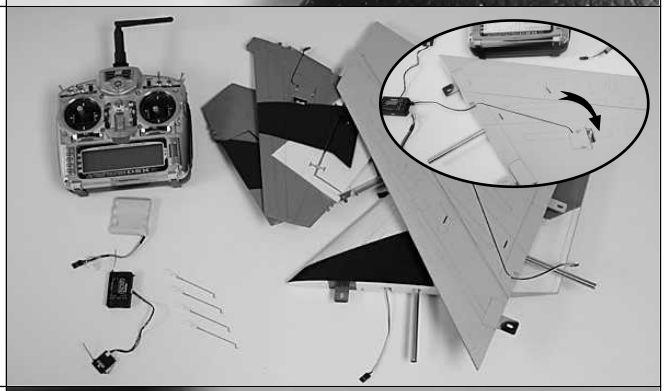
## 舵面摇臂安装

1. 如右图所示，请准备以下配件安装舵面摇臂。（考虑包装因素，需要由购买者自行组装部份舵面摇臂，在此，我们向您致歉！）

2.Please refer to the right phto, make sure the correct installation direction when install.

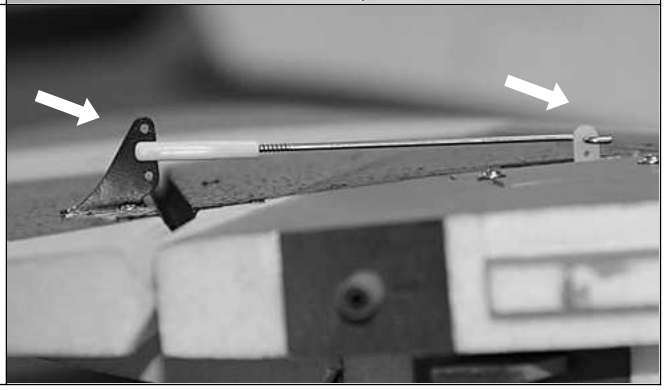
2. 安装舵面摇臂过程中，请参考右方完成图片，确认正确的安装方向。

3. After installation, we need make servo power on, and to be center ,install control wire.



3. 安装完成后，我们需要对舵机通电，使舵机居中，装入控制钢丝。

4. when install, we advise through metal wire to the first hole of servo arm. Plastic clip through the second hole of servo arm. And keep the wing balance.



4. 安装时，我们建议将钢丝穿入舵机摇臂第一个孔内。塑料夹头穿入舵面摇臂第二个孔内。并且保持翼面平行。完成后效果如右图所示。

5.Please refer to the right photo after installation.

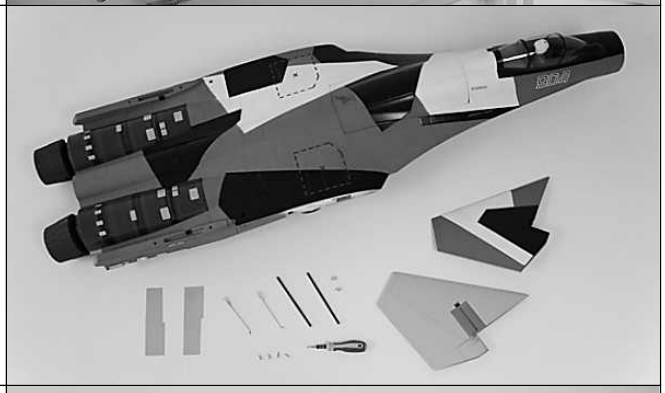
5.完成后效果如右图所示

## Install Elevator

6.Please prepare install accessories.

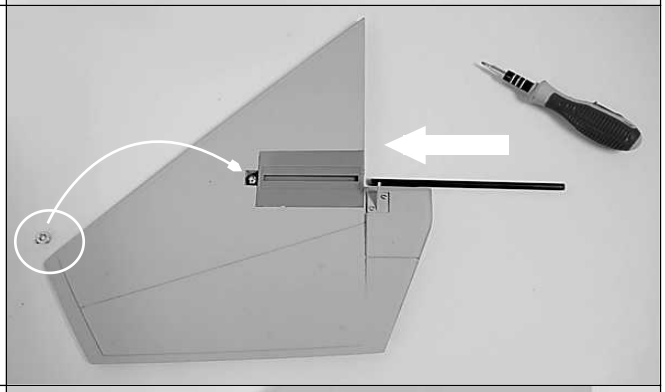
平尾安装

6. 准备好安装所需配件。



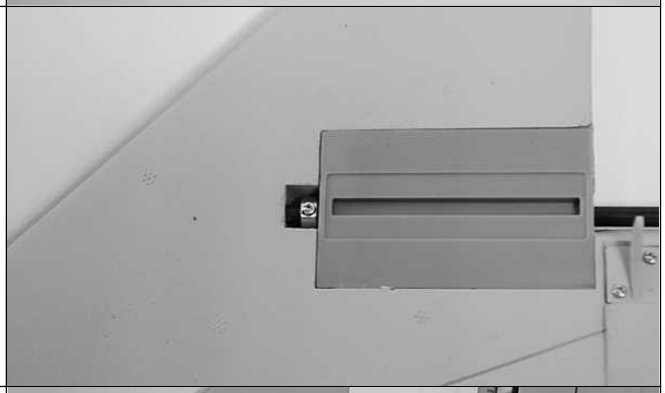
7.Put the metal fasteners into the groove, the screw upward. Then through the carbon stick as the right photo shown.

7. 如右图所示，将五金紧固件放入凹槽内，螺丝朝上。然后穿入碳纤棒。



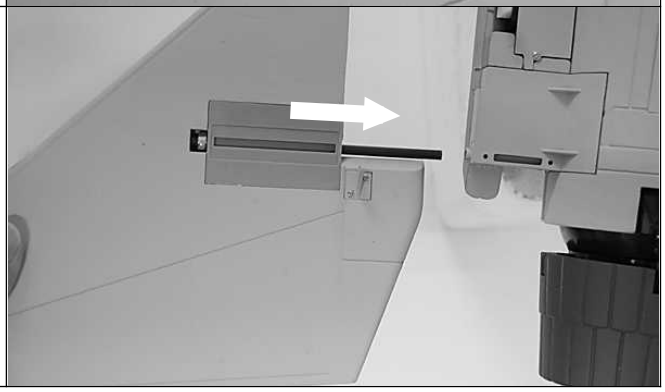
8. Screw carbon tube tightly.

8. 锁紧碳纤棒



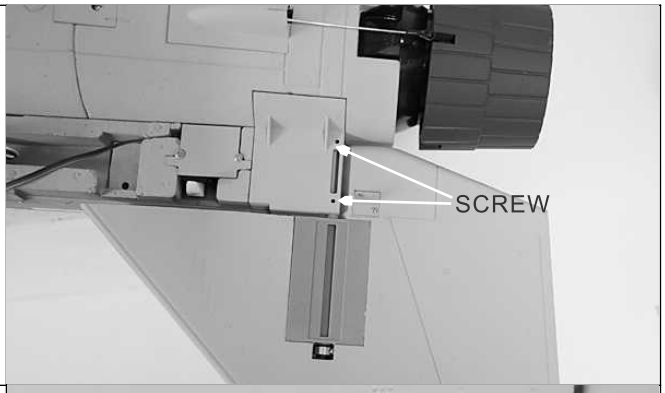
9. Insert the stabilizer carbon tube into fuselage as the right photo shown.

9. 将紧固在平尾上的碳纤棒另外一端插入机身右图所示部位。



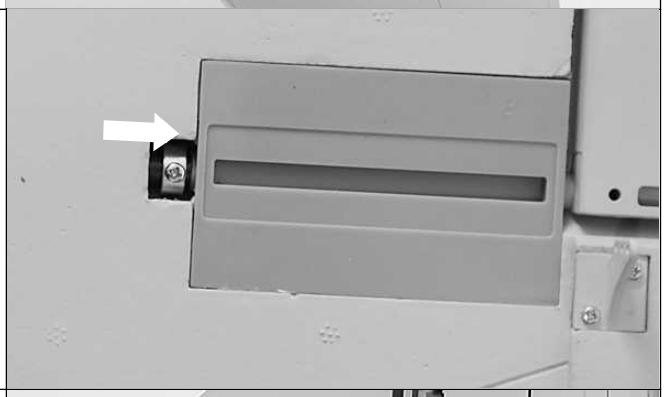
10. Turn stabilizer up and down and confirm its install is correct,then screw carbon tube in fuselage.

10. 上下转动平尾，确认安装正确后，用螺丝紧固插入机身端碳纤棒.



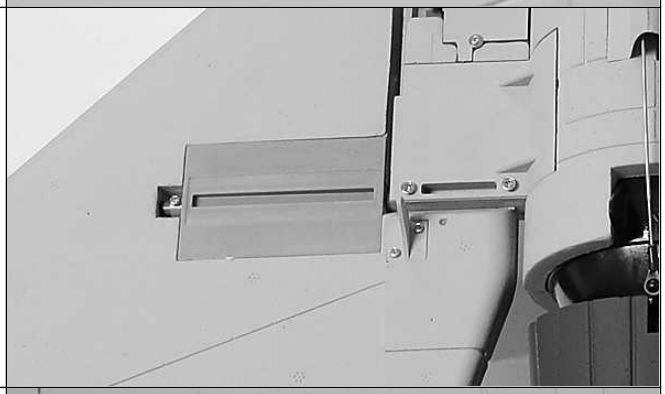

11.After install, push and pull the elevator, if any gap, we can unlock the metal fasteners in elevator,adjust the fix piece to solve.

11. 安装完成后，将平尾向左、向右推拉。测试是否有间隙。如果有间隙，我们可以松开平尾上的五金紧固件螺丝，调节紧固件位置来解决。



12.Refer to the right photo after finish installation.

12. 安装完成后如右图所示。

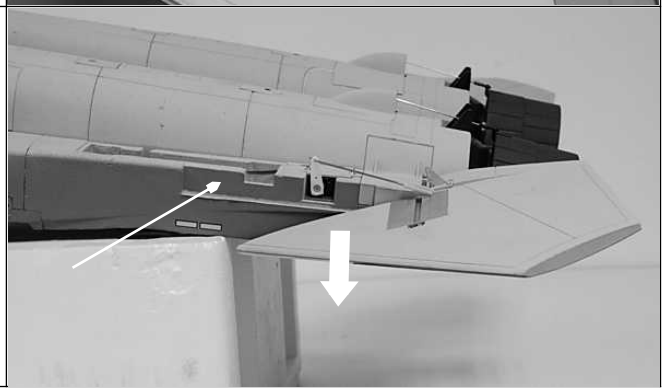


13.Insert the control wire into servo arm.

13. 将控制钢丝穿入舵机摇臂内。

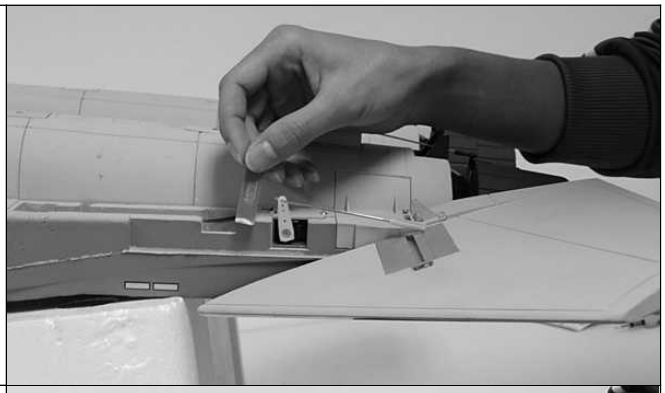
14.Turn stabilizer to the below,show the plane belly vertical fixed wing'sinstall surface.

14. 平尾转动到下方，露出机腹垂直安定翼安装面。



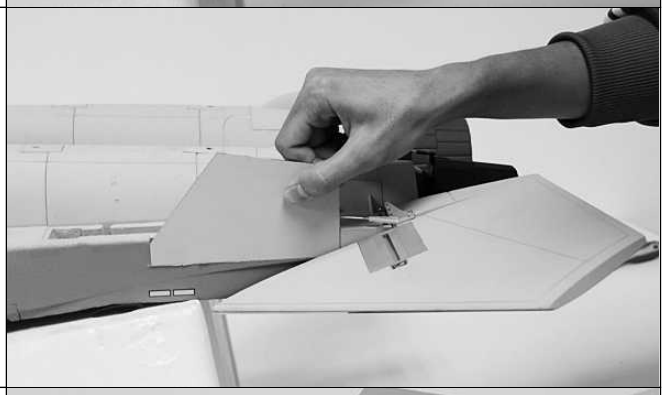
15.Refer to the right picture,glue these area.

15. 如右图所示，在此域内涂摸AB胶。



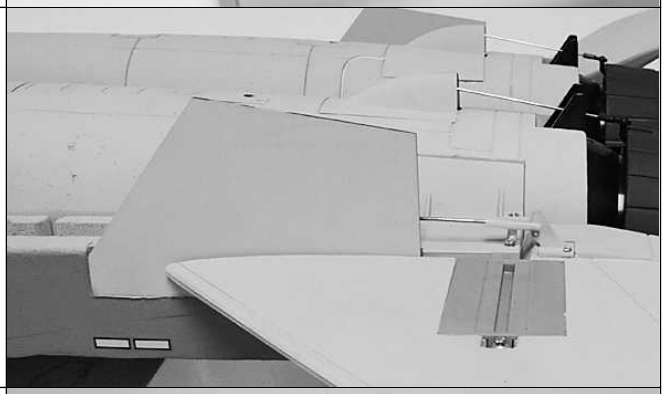
16.Stick the plane belly vertical fixed wing.

16. 粘贴机腹垂直安定翼.



17.At last,buckle plastic clip to stabilizer arm.

17. 最后，把塑料夹头扣入平尾摇臂内。

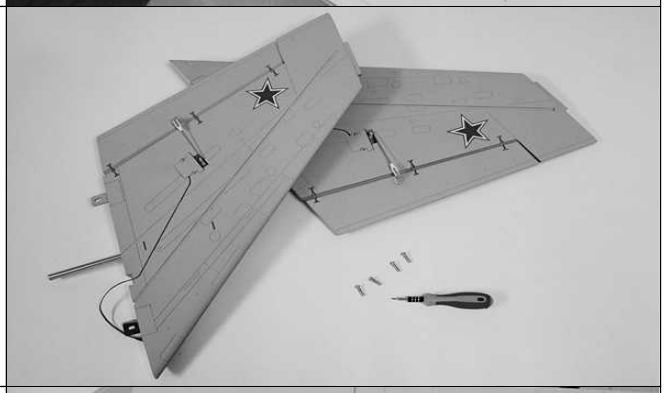


## Install Main Wing

18.prepare install accessories.

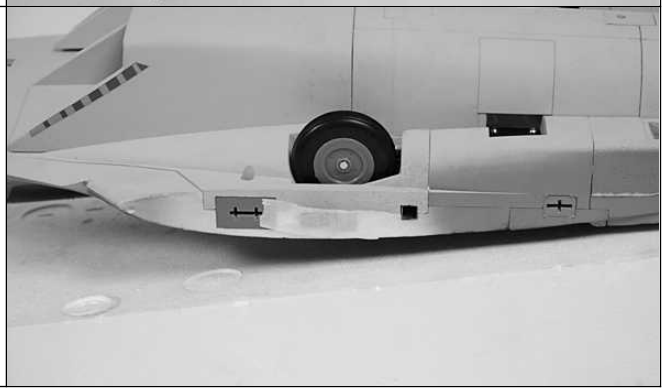
主翼安装

18. 准备好安装所需配件。



19.Open fuselage wing mounting paper tape. Pull out the main connection line.

19. 撕开机身主翼安装面纸胶布。拉出主翼连接线。



20.To distinguish left and right wing, connect the wing servo line and fuselage line.

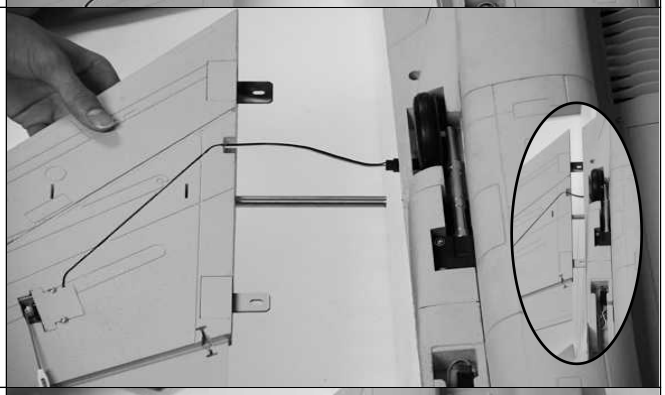
( when connect, please distinguish wire color, positive and negative, to avoid reverse. )

20. 区分好左右主翼，将主翼舵机线与机身内预留的连接线连接起来。

（连接时，请正确区分线材颜色、正负极，以免反接）

21.Insert the main wing stainless steel tube into the body of stainless steel tube in. At the same time, servo line along the fuselage slot into it.

21. 将主翼不锈钢管插入到机身不锈钢方管内。同时，舵机线沿机身线槽塞入。



22.After install, please refer to the right photo.

22.完成后如右图所示。

23.In here lock into a screw to fix wing.

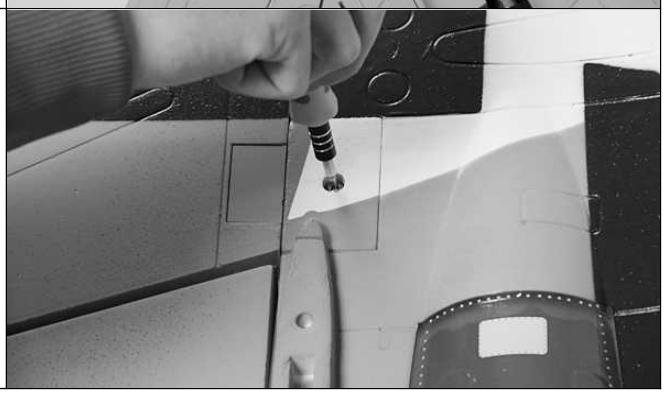
(Note: There is no gap beween main wing and fuselage, screws can lock well. Otherwise, the screw is not screwed tightly. Because there may be inserted into the inside of the fuselage foam. )

In the same way,install the other side of the main wing.

23. 在此处锁入一颗螺丝，固定主翼。
（注意，在主翼与机身之间没有间隙时，螺丝才能锁紧。否则，螺丝将可能无法对齐孔位或者插入到机身内部泡沫内。）
运用同样的办法，安装另外一侧主翼。

24.Turn the fuselage and lock another screw in this position. so that, the main wing is completely fixed on the fuselage.In the same way, lock the other side of the main wing.

24. 翻转机身，在此位置再锁入另外一颗螺丝，这样。主翼就完全固定在机身上了。运用同样的办法，锁紧另外一侧的主翼。

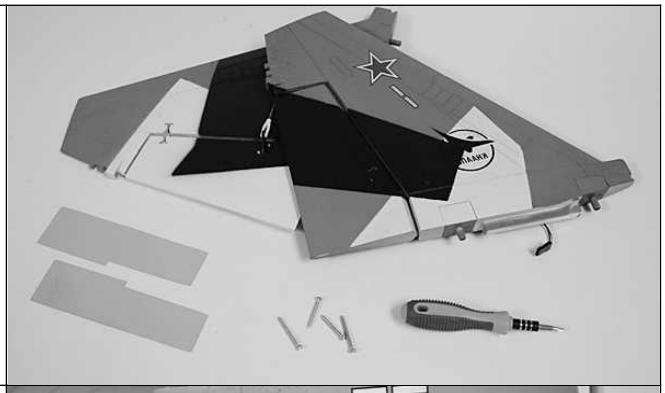


## Install Rudder

25.Prepare install accessories.

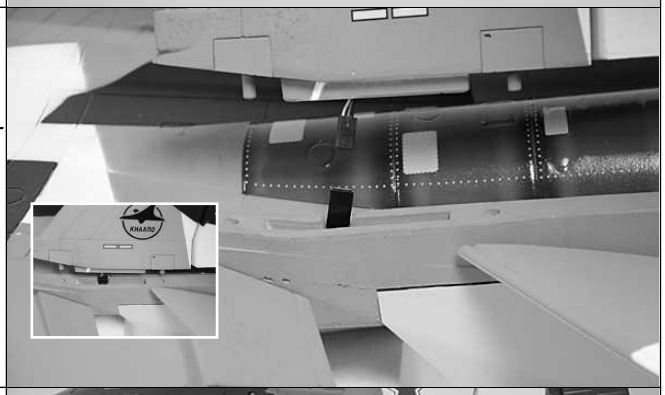
垂尾安装

25. 准备好安装配件。



26.Distinguish left and right vertical tail. connect rudder line and the connecting line.

26. 区别左右垂尾。将垂尾舵机线与连接线连接。



27.Insert rudder to install position.

27. 垂尾插入安装位置。

28.Repeat 26. 27 the two steps. Then we turned the fuselage.

28. 重复26,27这二个步骤，安装另外一侧垂。然后我们翻转机身。

29. Lock four screws into the block, then fix rudder.

29. 用四颗螺丝分别锁进木块内,固定垂尾。

30.Glue on AB glue.

30. 在此区别涂摸AB胶。

31.Glue and install well the PVC slot cover.

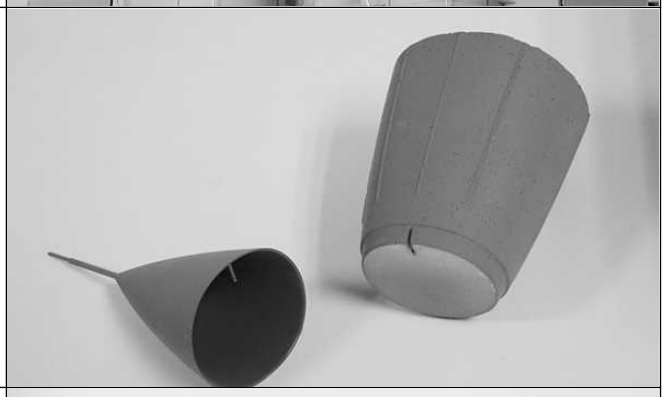
31. 将PVC线槽盖粘牢。

## Install Nose Cone And Tail Cone

32.Nose cone install accessories.

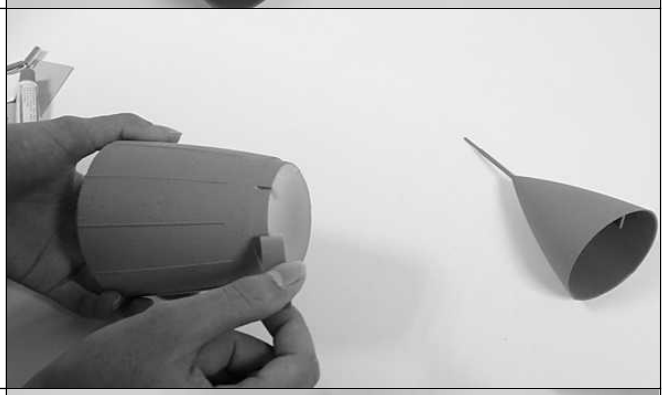
机头、尾锥组装

32. 机头安装配件。



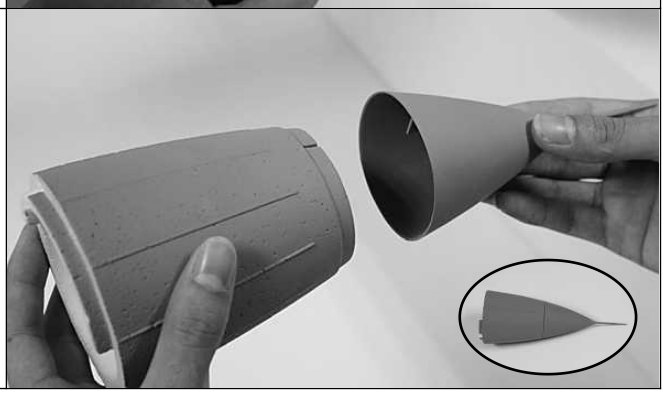
33.Refer to the right photo,glue one picece foam of nose cone.

33. 如右图，在其中一块泡沫材料的机头罩上涂摸胶水。



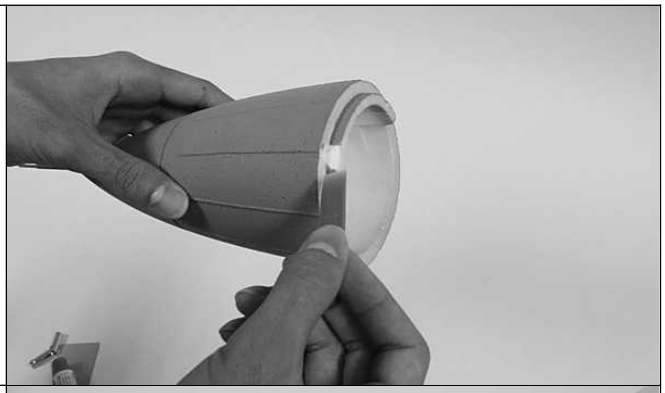
34.Gluing two part of the nose cone.

34. 把机头的二个部份粘合在一起。



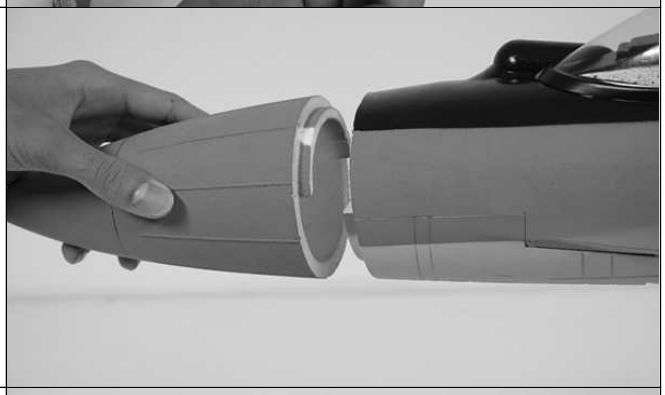
35.Then glue nose cone refer to the right picture.

35. 再将制作好的机头罩如右图所示位置涂摸胶水。



36.Attached to the body.

36. 粘贴到机身。



37.Please refer to right photo after finish install.

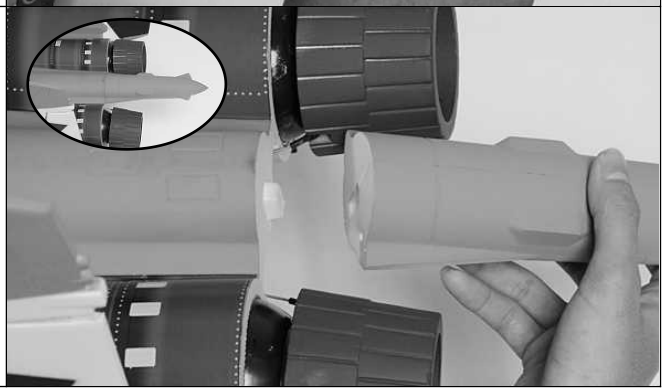
37. 完成效果如右图所示.

38.Glue the adhesive surface of tail cone.

38. 将尾锥粘合面均匀涂摸胶水。

39.Refer to the right photo, glue to fuselage.
When glue process,we should use hand fix it 3-5 minutes until fastening.

39. 按右图所示方向粘合至机身。粘合过程中，我们需要用手固定大约3-5分钟，待紧固后松开。



# Prepare Before Flying

## Channel Introduce

Channel set , please refer to the following list :
基础版本和3D运动版在出厂时设定的通道可参考以下列表:

| Standard Version | 3D sport Version |
|---|---|
| 副翼<br>Aileron | 副翼<br>Aileron |
| 升降<br>Elevator | 升降<br>Elevator |
| 方向舵(前轮转向控制)<br>Rudder<br>(nose landing gear steering ) | 方向舵(前轮转向控制及垂尾方向舵控制)<br>Rudder<br>(nose landing gear steering and rudder servo control) |
| 油门<br>Throttle | 油门<br>Throttle |
| 起落架<br>Gear | 起落架<br>Gear |
| | 向量一(喷口左\右方向的向量控制)<br>Vector 1 (vector left and right control) |
| | 向量二(右喷口上下向量控制)<br>Vector 2 (right vector up and down control) |
| | 向量三(左喷口上下向量控制)<br>Vector 3 (left vector up and down control) |

提示:玩家可以根据自己的实际情况,通过一条一对三线,将方向舵与向量三这二个通道合并为一个通道.

Note:According to pilots actual situation ,through one 1 to 3Y-wire,the rudder and vector 3 these two channel into one channel.

### 电池的使用

我们在测试飞行时使用的是Fullymax 6S 3700mAh 35C电池。可以全油门飞行3分钟。所以，我们建议您使用6S 3700 mAh 30C以上容量的电池来飞行。当选用不同规格的电池时，重心可能会改变。不过我们的电池舱空间非常大，您可以通过向前\向后移动电池，达到配平重心的目的。

### Use Battery

We use Fullymax 6S 3700mAh 35C battery to test, fly 3 minutes if full rate, so, we advise to use 6S 3700mAh 35C battery capacity to flying. when use different size battery, the CG maybe change, but, our battery compartment is very large, you can through move battery forward and back to reach the correct CG.

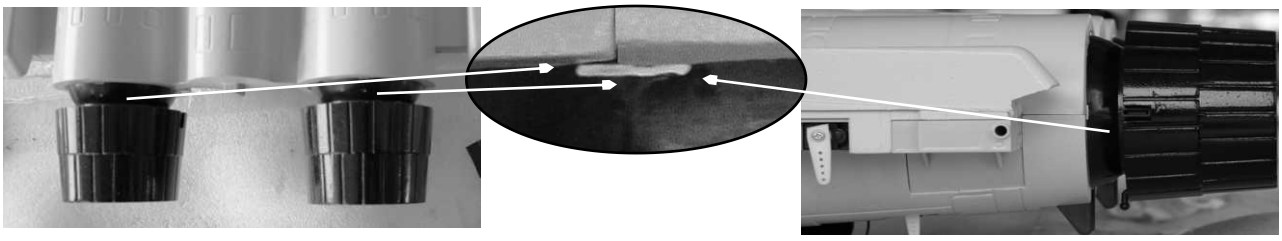
### 调试

1. 将飞机连接好电源，确认舵机摇臂是否处于居中位置，并通过调节钢丝夹头居中所有舵面。
2. 向量喷口必须保证对准刻度线的情况下，才是正确的居中状态。请参考下图。

### TRIM

1.The airplane switch on,confirm servo arm in center,and adjust wire clip to center them.

2.Vector must keep the level to the scale line,the center is the correct state.refer to the following picture.

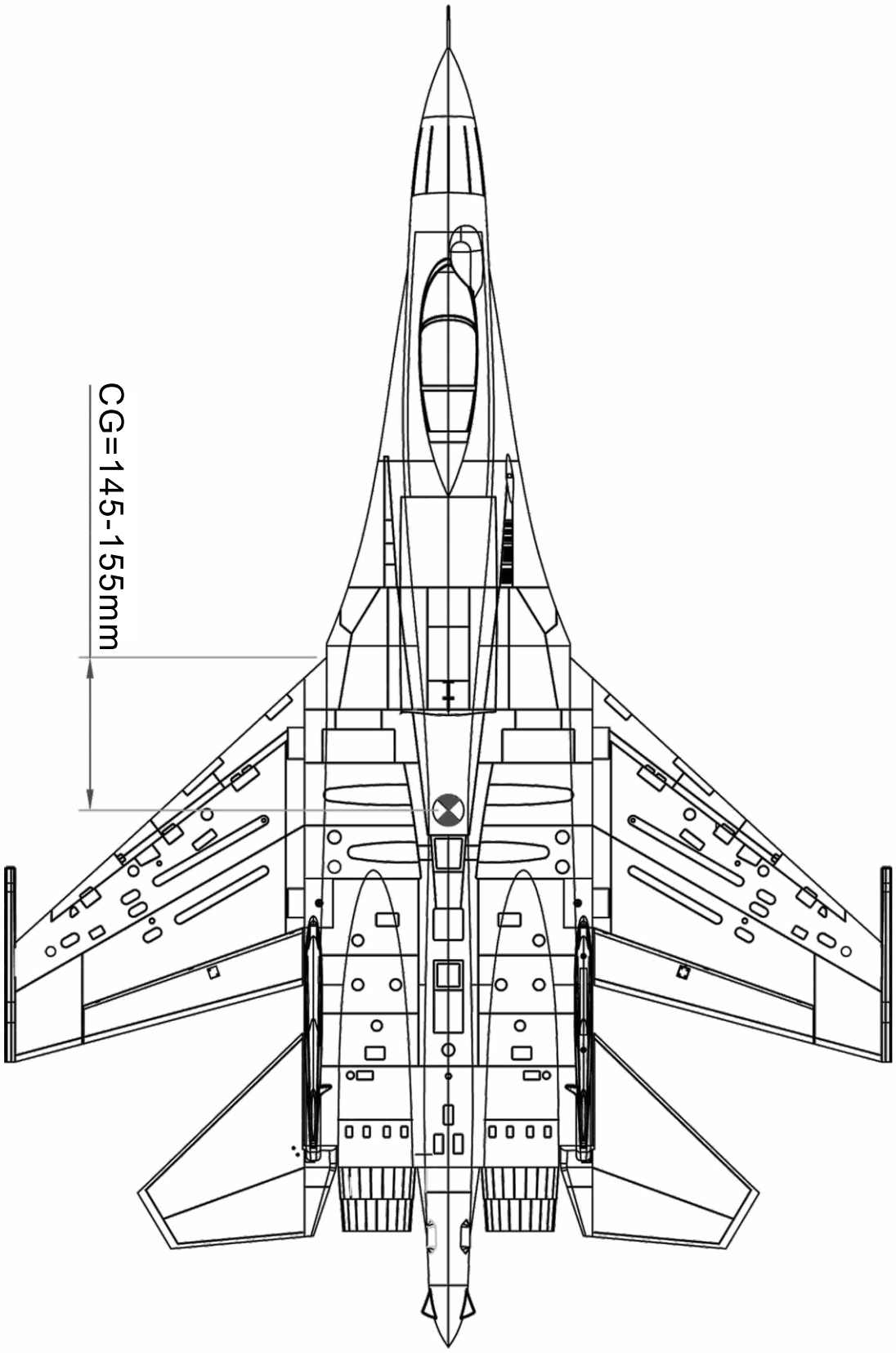


## 重心

正确的重心，对于我们在首次飞行时非常重要的。请参考下面的重心标示图，来确认您的SU-35的重心位置是否正确。

## Center of Gravity

The correct CG is very important for our first flight.check your SU35 CG as follow picture.

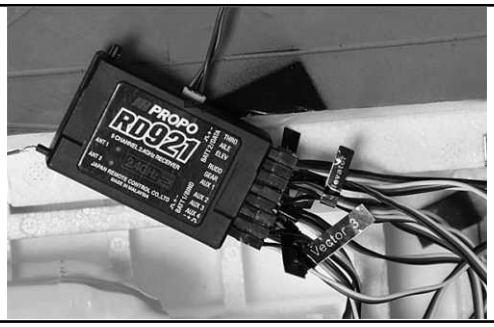


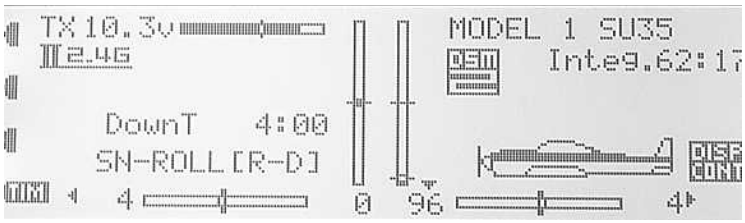
# 3D运动模式的混控设定

我们使用JR的″DXS 9Ⅱ″这款发射机来调试SU-35，所以，我们在这里只是简单的告诉大家该如何设定SU-35的向量混控。保证安全的情况下,经验丰富的玩家可以自由设定。最后,不同品牌的发射机在某些设定可能不同，请以实际使用的发射机为标准。

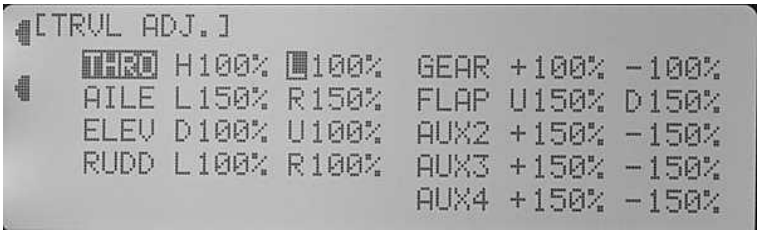
# 3D sport mode mixing set

We use JR″DXS 9Ⅱ″transmitter to sub-trim our SU35,so, in here,we inform you simply how to mix Su-35 vector.

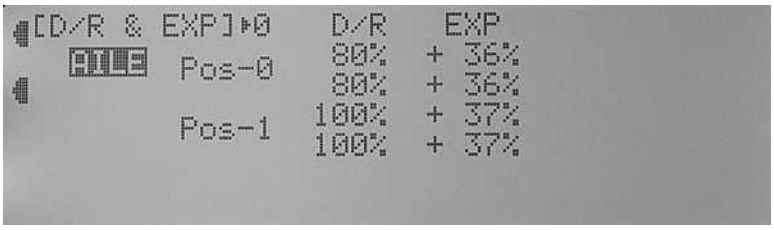


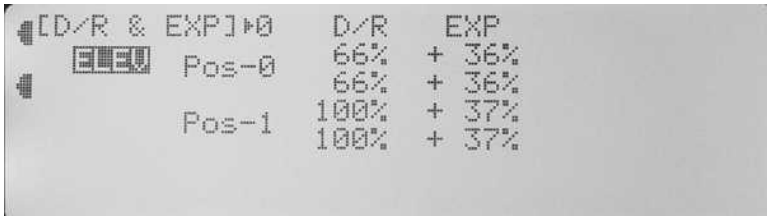

1.各通道舵量设定.
1. Each channel servo No.set



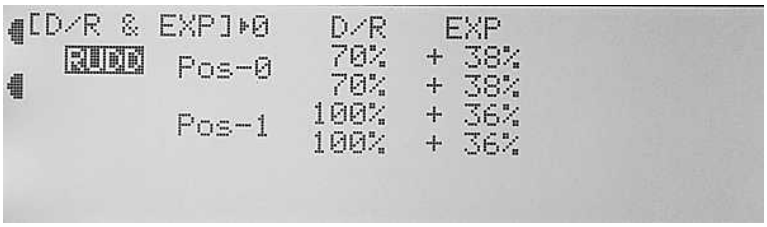

2.副翼大小舵量设定
2.Aileron servo size set

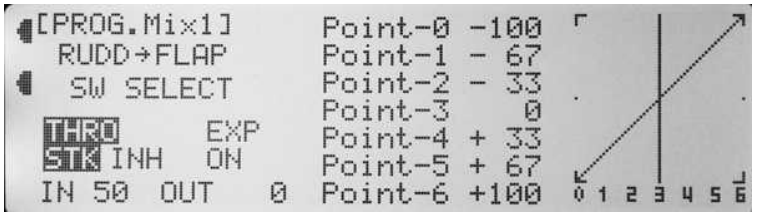
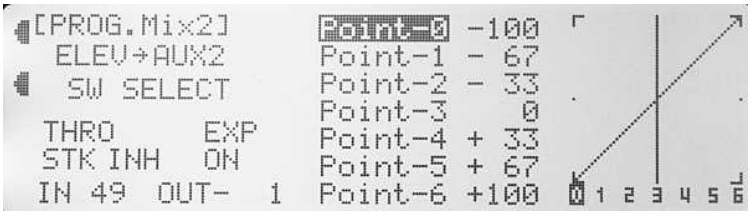
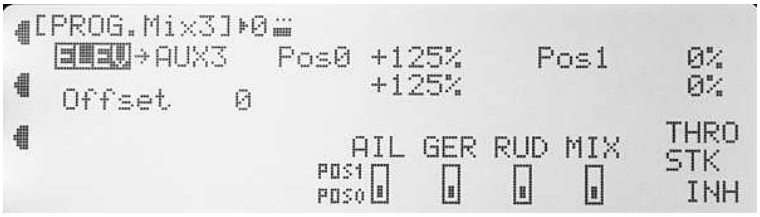



3.升降舵大小舵量设定
3. Elevator servo size set




4.方向舵大小舵量设定
4. Rudder servo size set

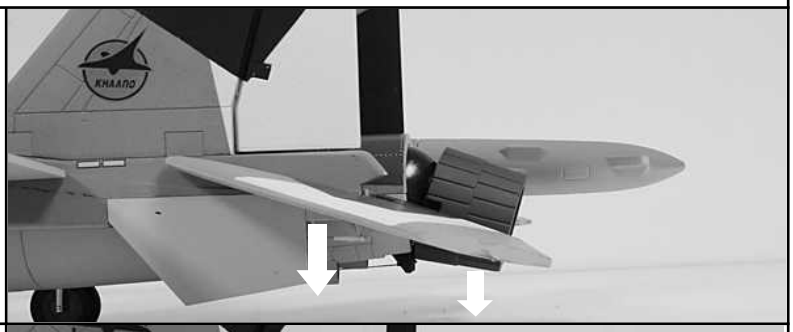


| | |
|---|---|
| 5.混控一（向量一混控到方向舵通道）<br>5. Mixing 1(vector 1 mixing to Rudder channel) |  |
| 6.混控二（向量二混控到升降通道）<br>6. Mixing 2(vector 2 mixing to Elevator) |  |
| 7.混控三（向量三混控到升降通道）<br>7. Mixing 3(vector 3 mixing to Elevator) |  |
| 8.混控四 （向量二混控到副翼）<br>8. Mixing 4(vector 2 mixing to Aileron) | |
| 9.混控五 （向量三混控到副翼）<br>9. Mixing 5(vector 3 mixing to Aileron) | |

最终，我们设置完成后，可以在地面测试我们的设置是否正确有效。
In end, after set, test its set is correct and effective.

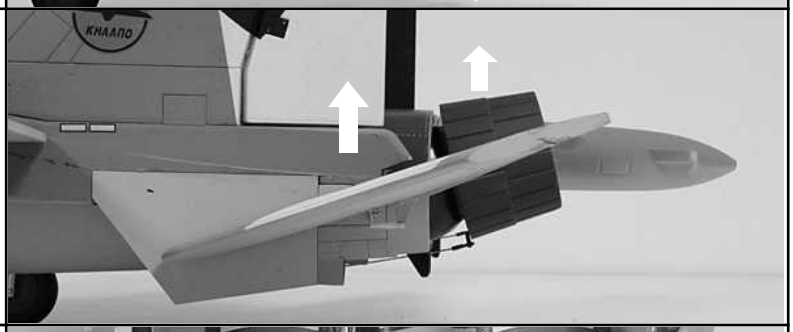
1.混控模式开启时，当平尾向下运动时，向量喷口应该同样向下运动。

Switch on mixing mode,when elevator move down,at the same time, vector move down.



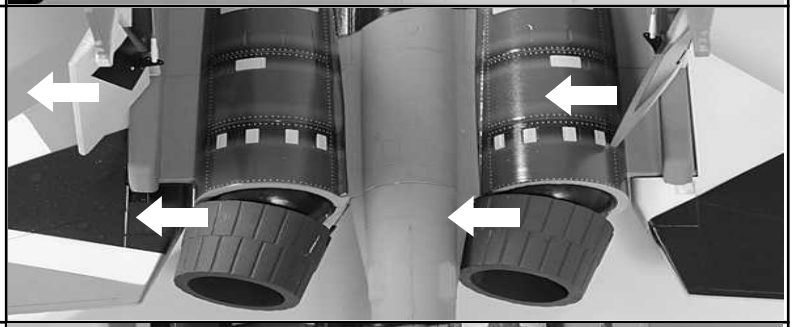
2.当平尾向上运动时，向量喷口同样向上运动。

when elevator move up,at the same time, vector move up.



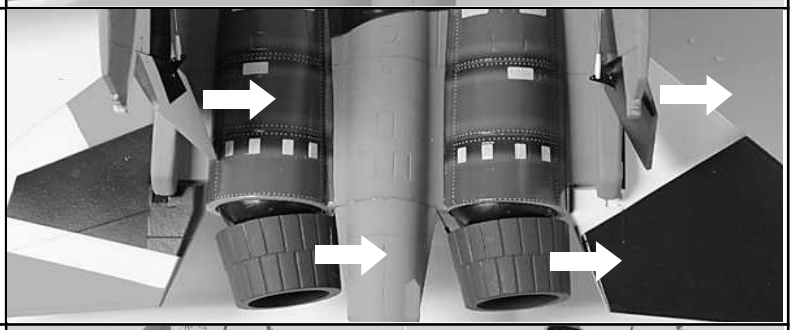
3.当方向舵面向左时，向量喷口向左运动。

when rudder move left,at the same time, vector move left



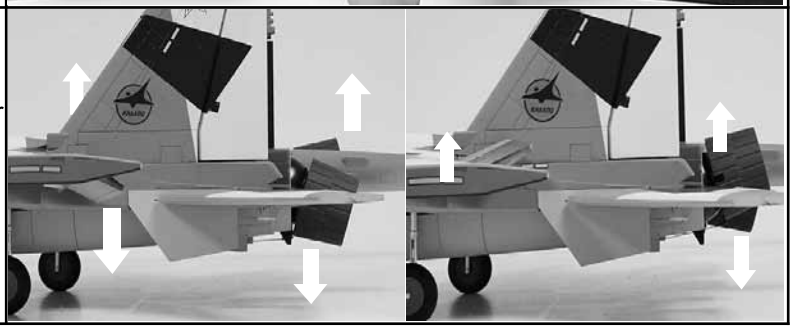
4.当方向舵面向右时，向量喷口向右运动。

when rudder move right,at the same time, vector move left.



5.同样，控制副翼时，左右喷口与副翼动作保持一致。

Also,when aileron move, the left/right vector should move the same as aileron.



## 提示

1.我们的以上工作完成后，在起飞前，建议大家首先使用小舵量进行试飞，待充分了解这款飞机的特性后，才开始我们的激情3D飞行。

2.为了仿真与方便起降，我们使用了全金属起落架。当然，这样也会增加飞行的重量。如果你接受手掷飞行。可以拆除起落架，那么，SU-35的3D飞行也会变得更加精彩和不可思议。

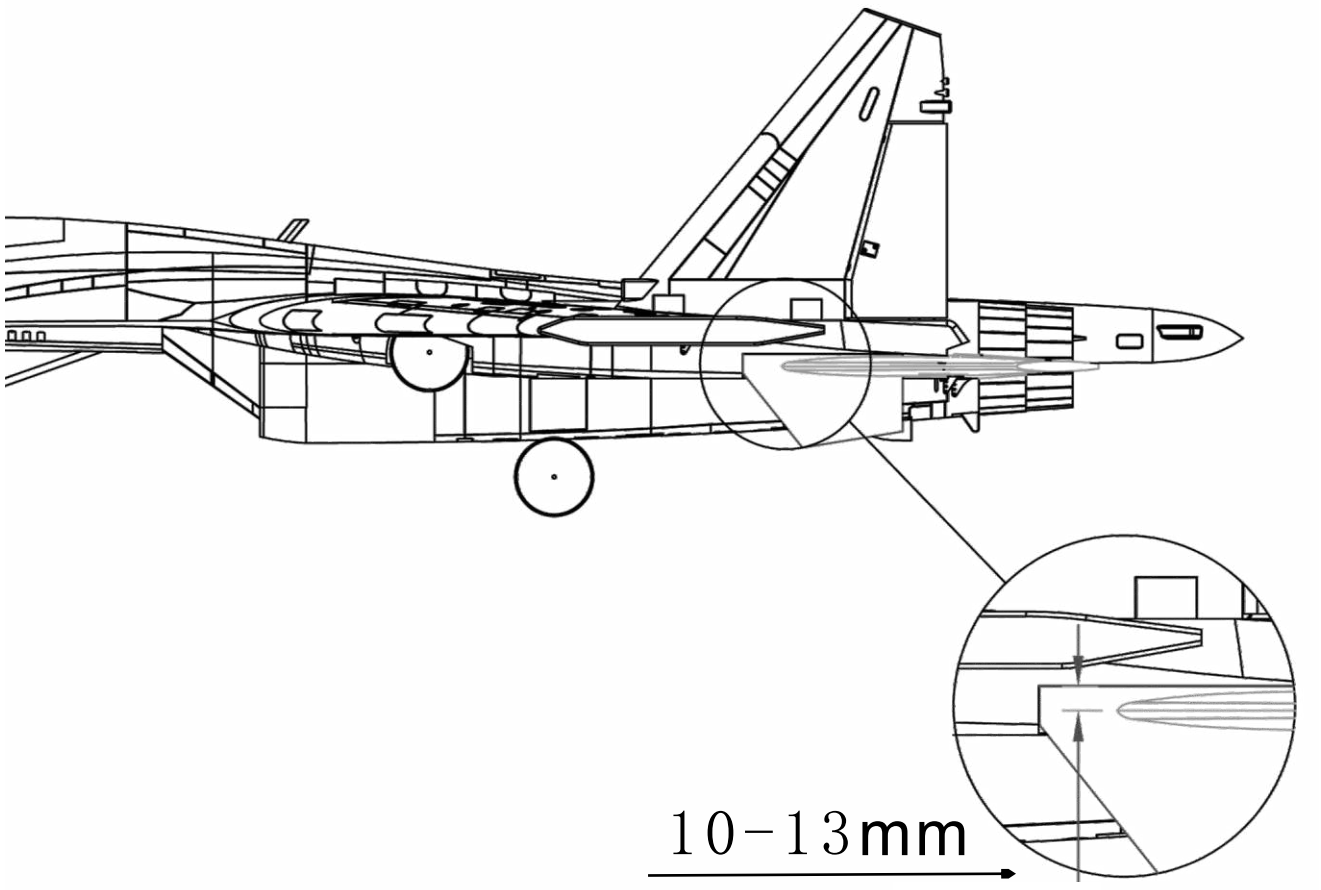
## Note

1.After complete above work,before flying,we advise you use small servo size flying,after fully know the airplane characteristics,then start the passion of 3D flying.

2.For scale and easy to take off and landing,we use full metal landing gear,of course,it's can add the flight weight, if you use hand launch,you can remove retracts,the 3D flying of SU35 will be more wonderful and incredible.

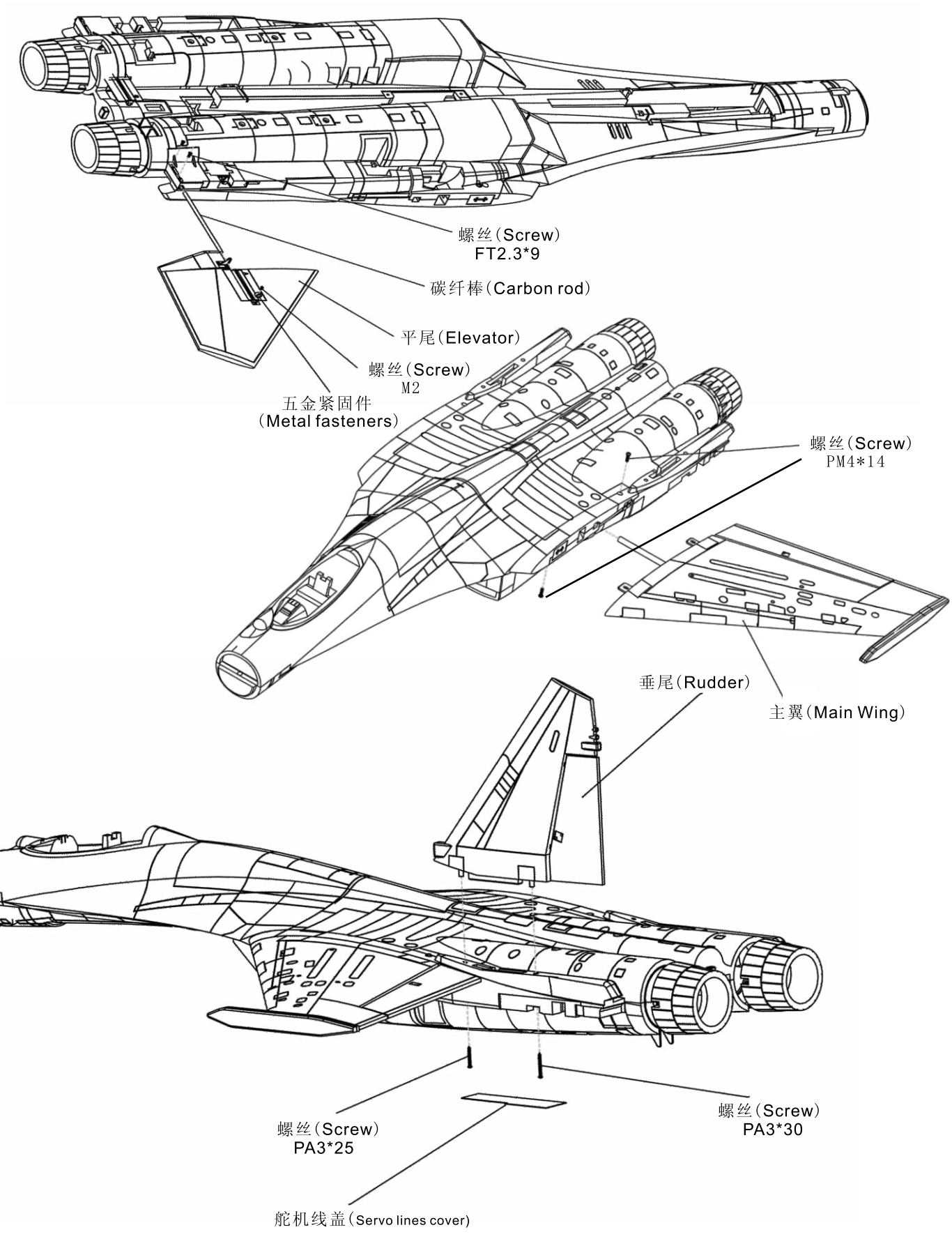
附加一
SU-35平尾安装角

Additional one
Su35 elevator install angle



附加二
平尾结构图、垂尾结构图

Additional two
Elevator structure picture,rudder structure picture.



Have Fun!
We hope that you have many pleasant
flights with your Su-35 !

FREEWING

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