

## EXTRA 300S

For Advance Flyers · 適合



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Length (全長)	770 mm	30 In
Wing Span (翼展)	900 mm	35 In
Wing Area (翼面積)	17 Dm <sup>2</sup>	263 Sq In
Radio Requirement	4 Channel	4動作

### PRECAUTION

- Please read through the entire instruction manual before you start .
- First time beginner if not familiar with the process in the manual, please find an experienced player to help assemble.
- Always keep children away from the assembly area for the small parts and glue are dangerous to children.
- Please reserve this instruction manual for future repair or parts ordering purpose.

### 請注意

- 組裝前請先閱讀使用說明書
- 初學無任何組裝經驗者請與經驗較豐富的高階玩家一同組裝
- 請在孩童拿不到零件的環境下組裝以確保安全
- 請保留本說明書方便您日後的快速查閱

Dear Customer,

I would like to thank you for selecting our product. Ultrafly Model is trying to deliver a quality performance airplane for your enjoyment. Your comments are very important to our company. You are welcome to comment our products, business or whatever you think necessary to help us better. Please email to [service@ultraflymodel.com](mailto:service@ultraflymodel.com) or [sales@ultraflymodel.com](mailto:sales@ultraflymodel.com).

#### Performance

The Extra 300S is one of the best product we have ever produced. Before we start the development process, we have serious arguments about what this model should be like. Finally we made the decision that the model should be a scale aerobatic sport plane. You may do tricks like knife edge, flat spin, Cuban 8 and countless other aerobatic maneuvers using the stock Falcon 400 motor. With the Ultrafly A/30/29 brushless motor installed, you got unlimited vertical power which enables the Extra 300S to perform just like a 40 glow engine Extra. You can do/practice any kind of crazy and dangerous maneuvers without worrying about destroying an expensive balsa model.

#### Power configuration

All of the above performance is contributed to the airplane design and the power system. The Extra 300S power system is using a 10 cells 12V 1100mAh Ni-Mh battery or a \*3 cell (3S) 11.1V Li-Po 1500mAh battery which has to be able to discharge a 12 Amp current continuously. Equipped with a Falcon 400 motor and 3:1 gear ratio the Firestone gear box drives an APC 9x6SF to do all the tricks you want. Ultrafly also provides a brushless version for the Extra. It includes an A/30/29 brushless motor in the box. It will provide 25-35% more power with the same gear ratio and prop. If you wish to change the gear ratio or prop size, be sure to have a watt meter or amp meter and measure the current consumption. The current consumption limit for a Falcon 400 should be 12amp and limit for A/30/29 is 16amp. Don't let the current go beyond the limit or you may burn down the motor.

#### Setting

The control throw setting is different than the conventional model aircraft. We have maximum throw setting number for extreme aerobatic maneuvers like flat spin and knife edge. And we have minimum throw setting number for traditional leisure flight. Please set it up accordingly!

Thank you and wish you a wonderful flying season!

Charlie Hua

General Manger

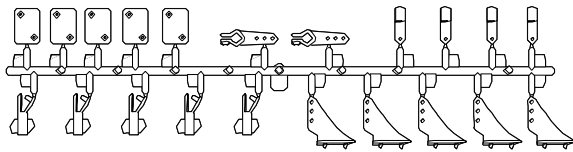
Ultrafly Model Corp.

[www.ultraflymodel.com](http://www.ultraflymodel.com)

# INCLUDED PARTS

## Plastic Parts Frame (A)

塑膠配件 (A)



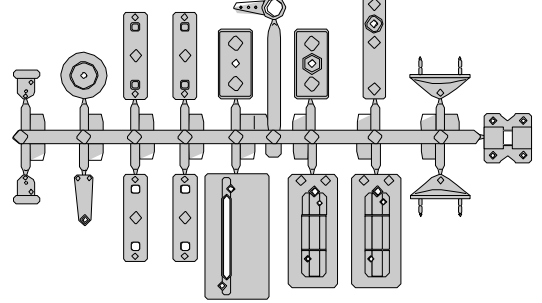
Abs cowling seat

整流罩固定片



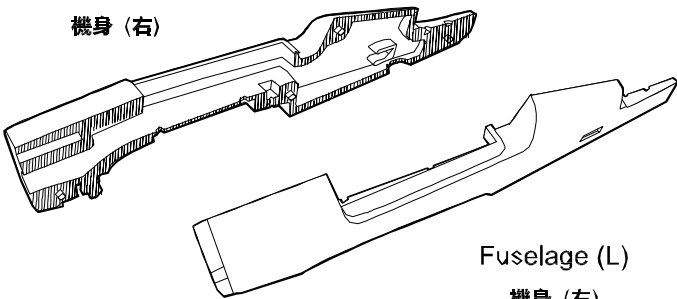
## Plastic Parts Frame (B)

塑膠配件 (B)



## Fuselage (R)

機身 (右)



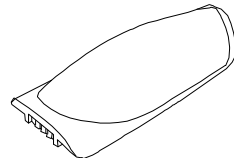
Fuselage (L)

機身 (左)



Cowling

整流罩



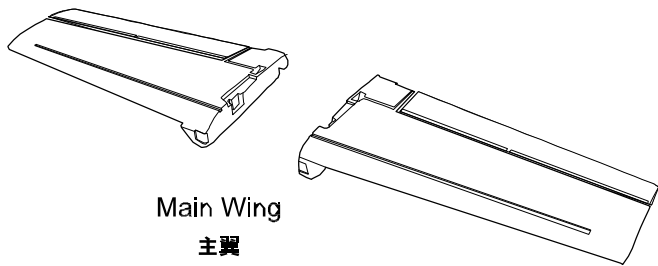
Cockpit

座艙



Canopy

座艙罩



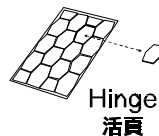
Main Wing

主翼



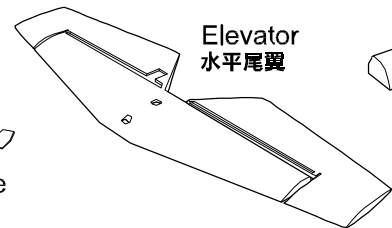
Foam glue

保麗龍膠



Hinge

活頁

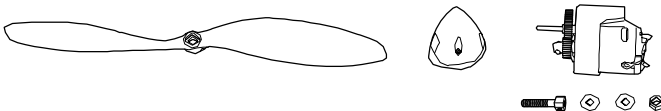


Elevator

水平尾翼

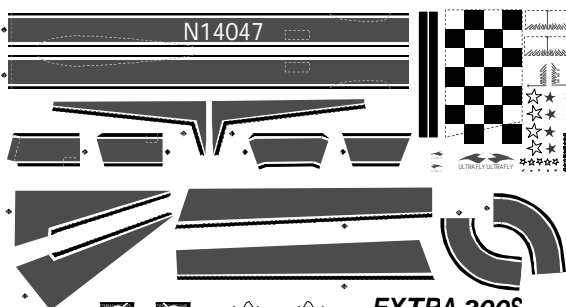
Rudder

垂直尾翼



Power system & Propeller

動力組和螺旋槳



ULTRAFLY  
ULTRAFLY



EXTRA 300S  
ULTRAFLY

Decal sticker

貼紙

Aileron linkage

尾輪架

Wire

尾輪架

Rubber tube

橡皮套管

Tail dragger

主輪架

Elevator linkage wire

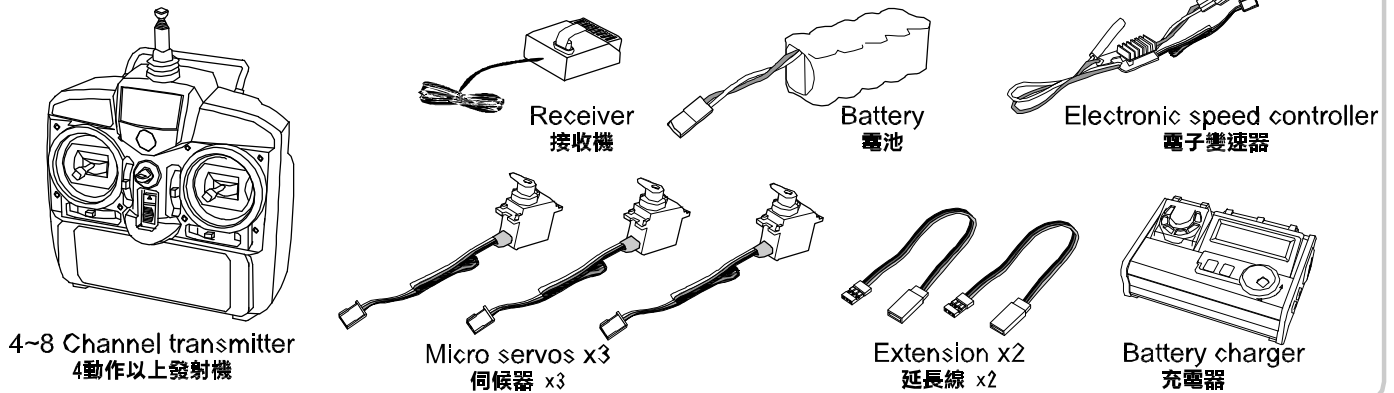
升降舵(U)型連桿

Push rod

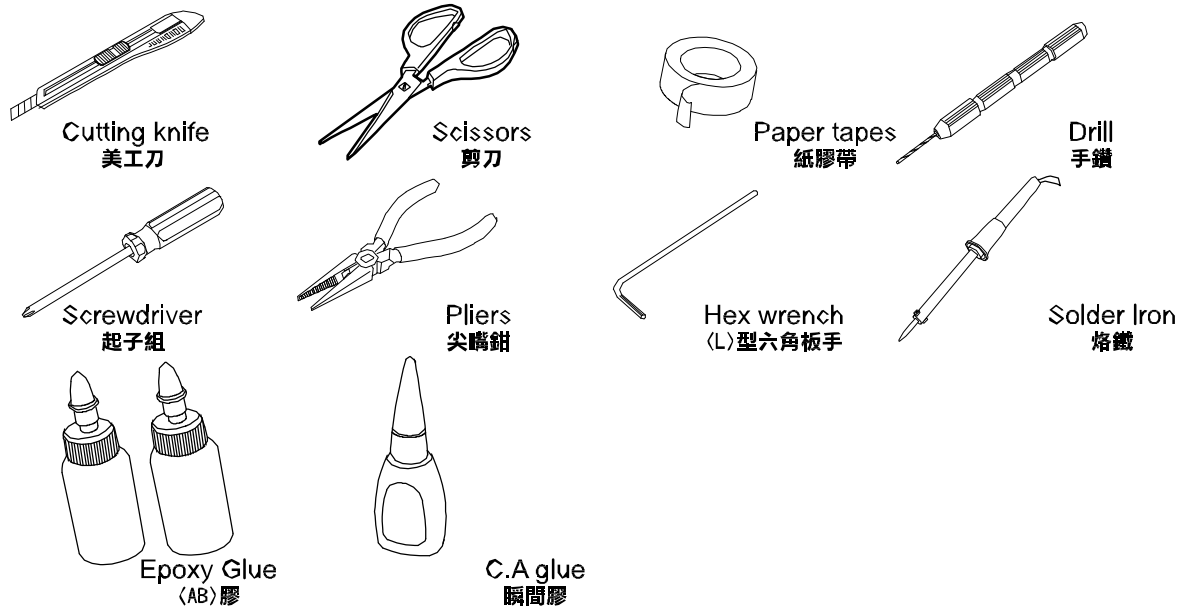
推拉桿

## INCLUDED PARTS

### REQUIRED FOR OPERATION( Not in cluded in kit)另購裝備



### TOOLS REQUIRED 主裝必須工具



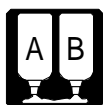
### BEFORE YOU BEGIN (主裝注意事項)

1.Read through the manual before you begin,so you will have an overall idea of what to do.

組裝前請詳閱說明書

2.Symbols used throughout the instruction manual.

請依符號指示組裝



Apply epoxy glue  
使用(AB)膠



Cutting knife  
使用美工刀



Use drill  
使用手鑽



Important  
重點



Apply (C.A)glue  
使用瞬間膠



Use scissors  
使用剪刀



Use solder Iron  
使用烙鐵



Apply foam glue  
使用保麗龍膠

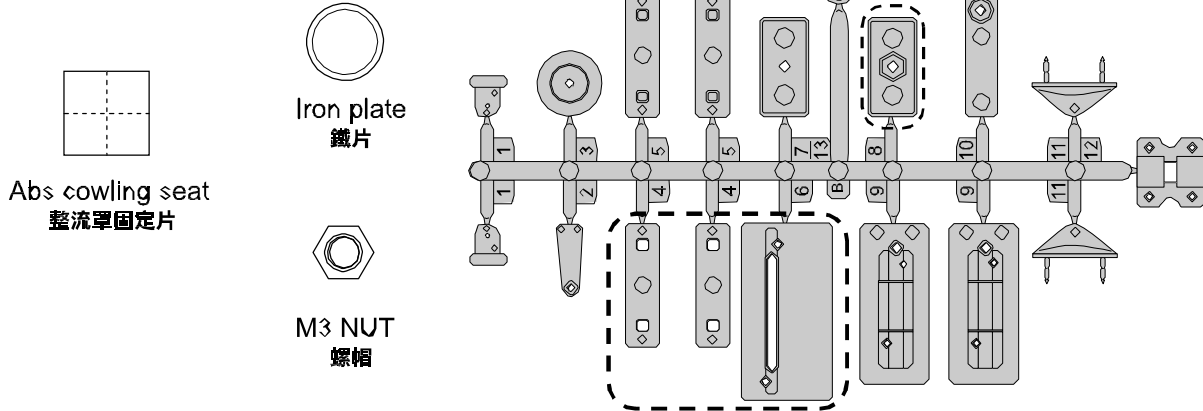
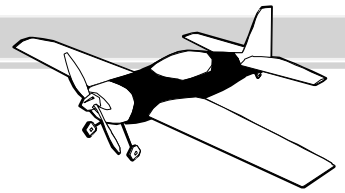


Use screwdriver  
使用起子組



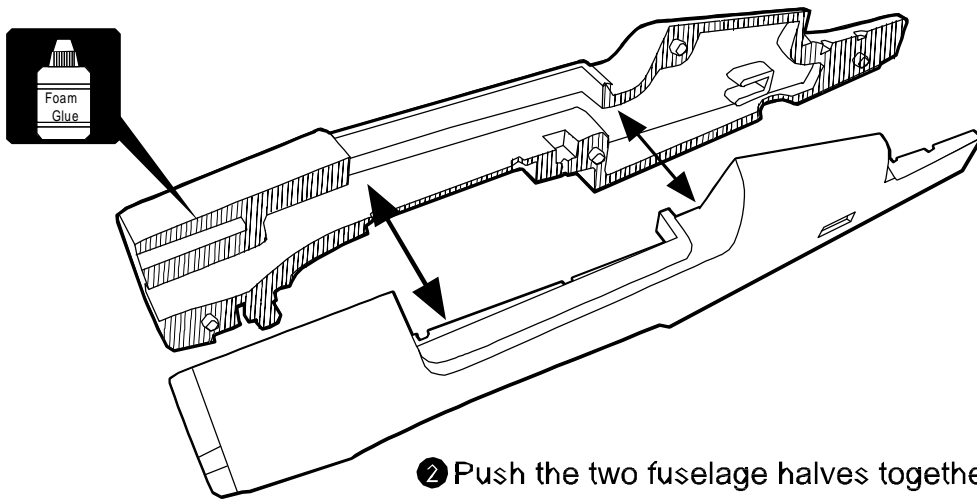
Use paper tapes  
使用紙膠帶

# FUSELAGE ASSEMBLY

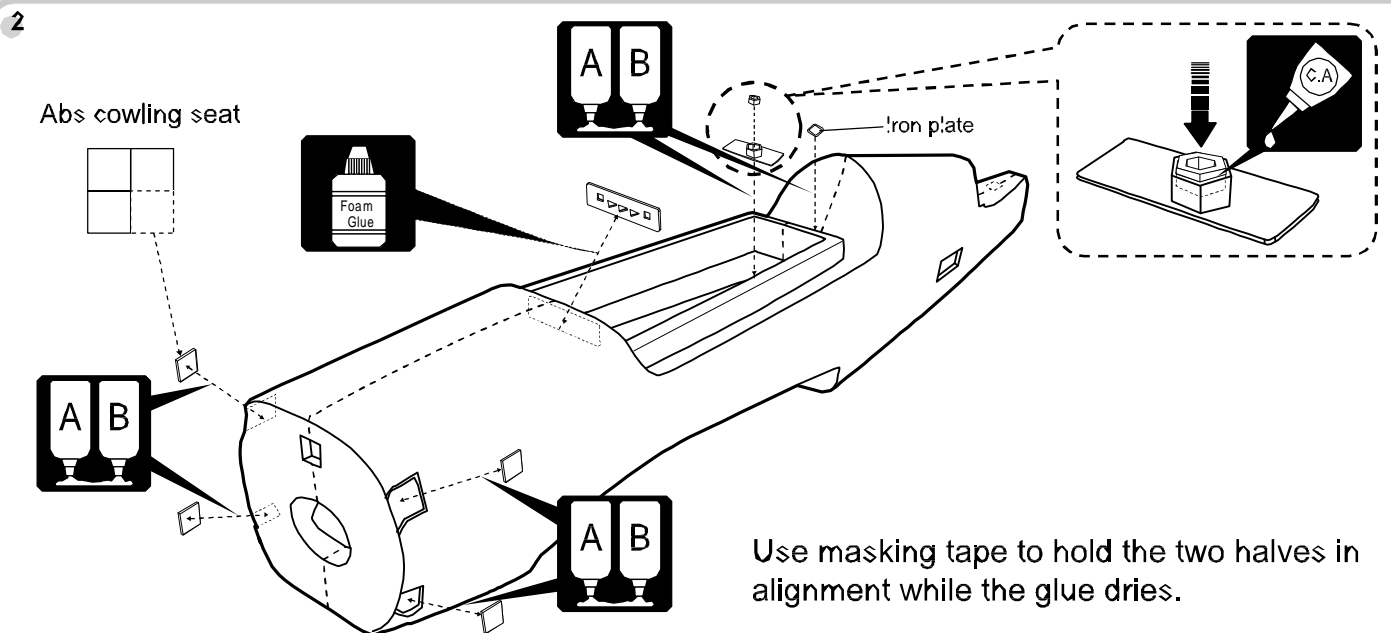


## fuselage assembling

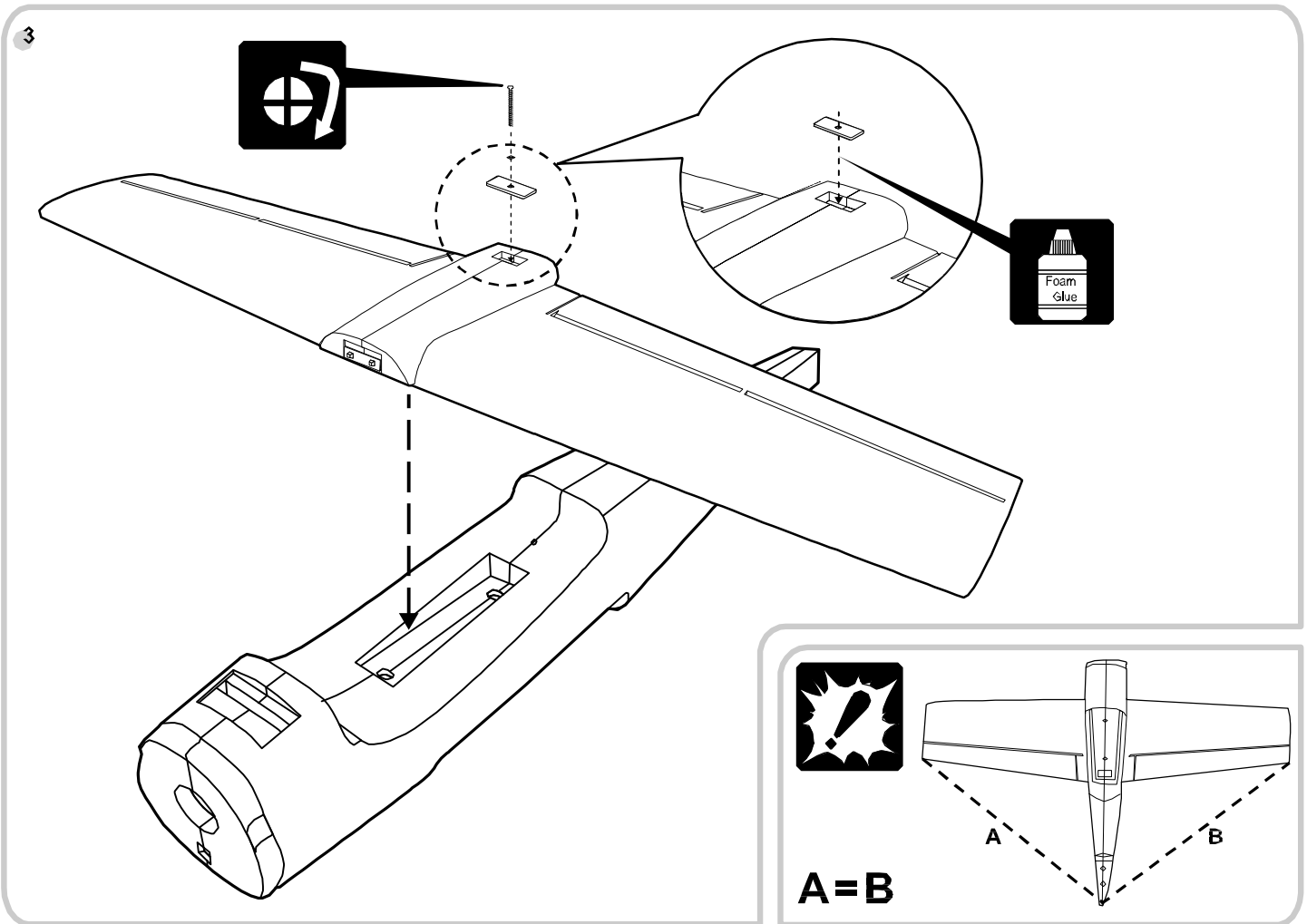
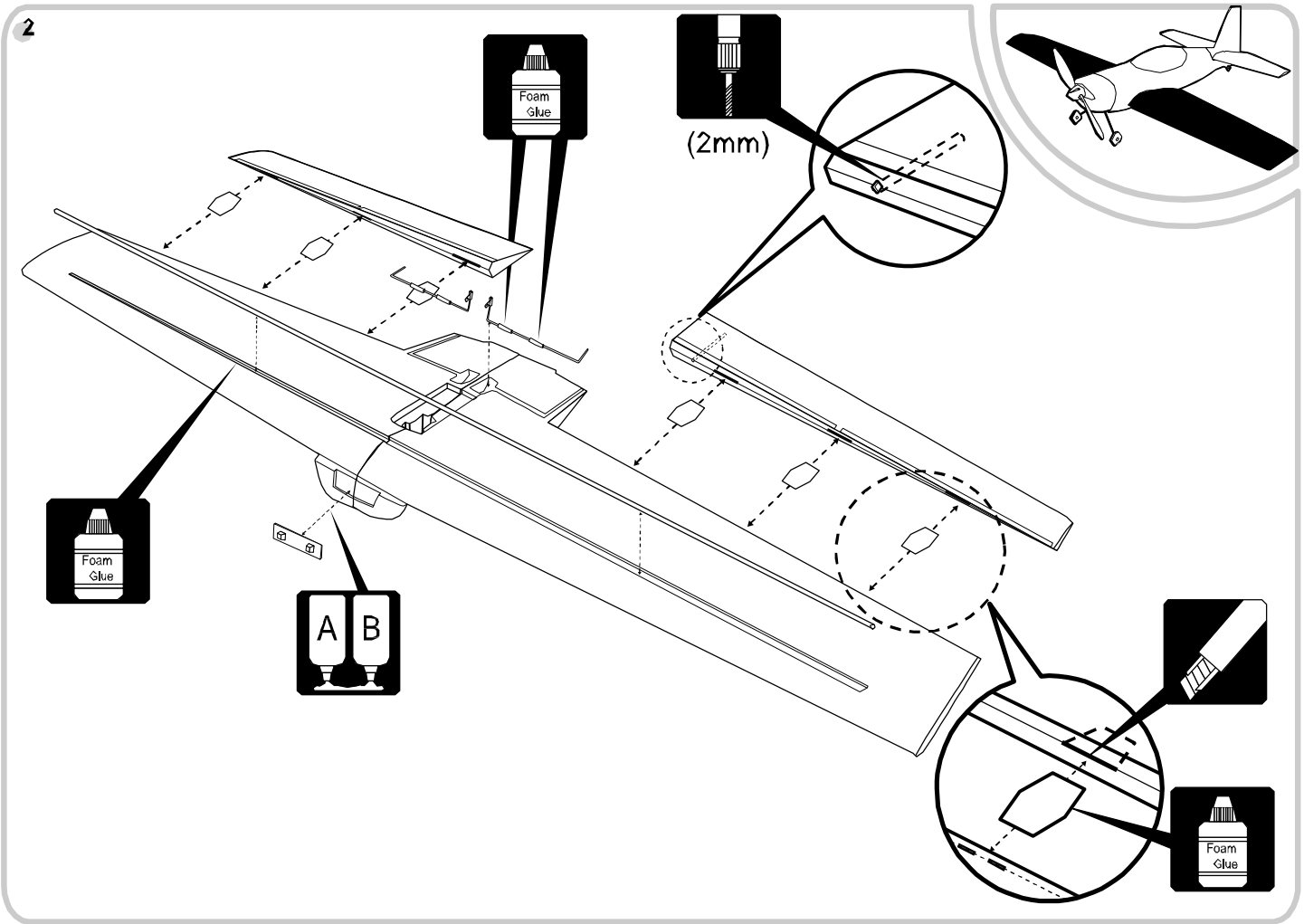
- 1 Coat the contact areas on one side of the fuselage with foam glue.



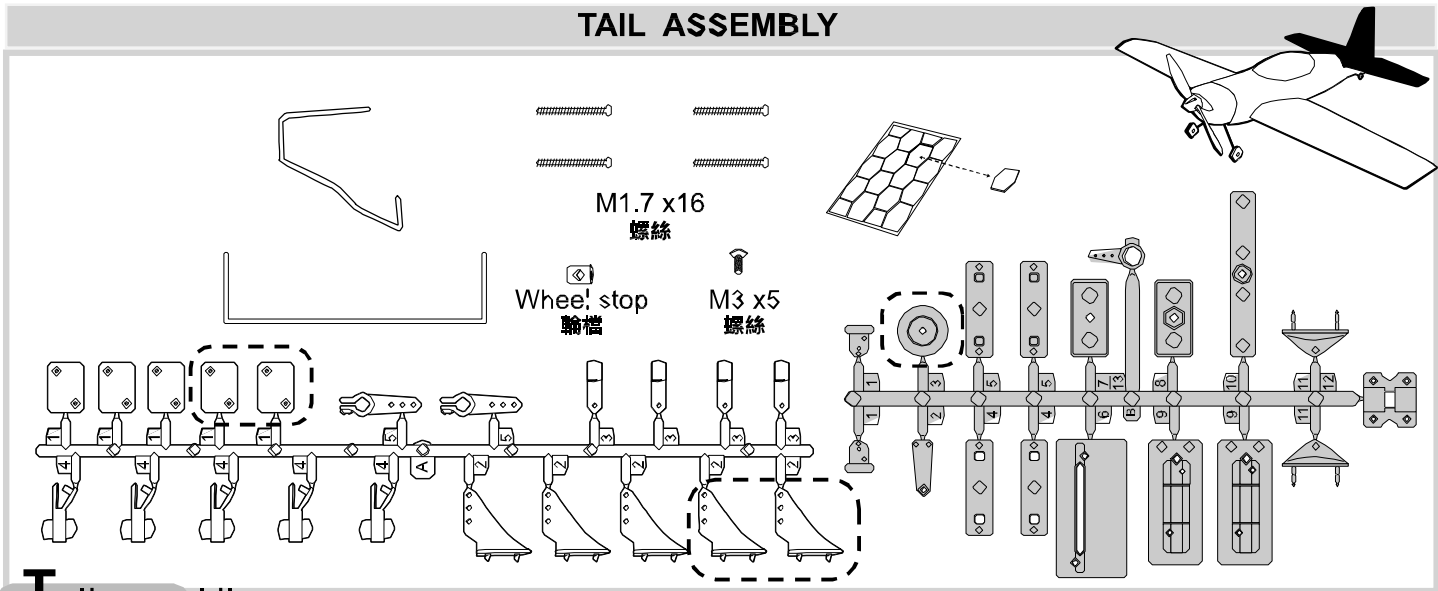
- 2 Push the two fuselage halves together. Make sure that they are aligned with each other.



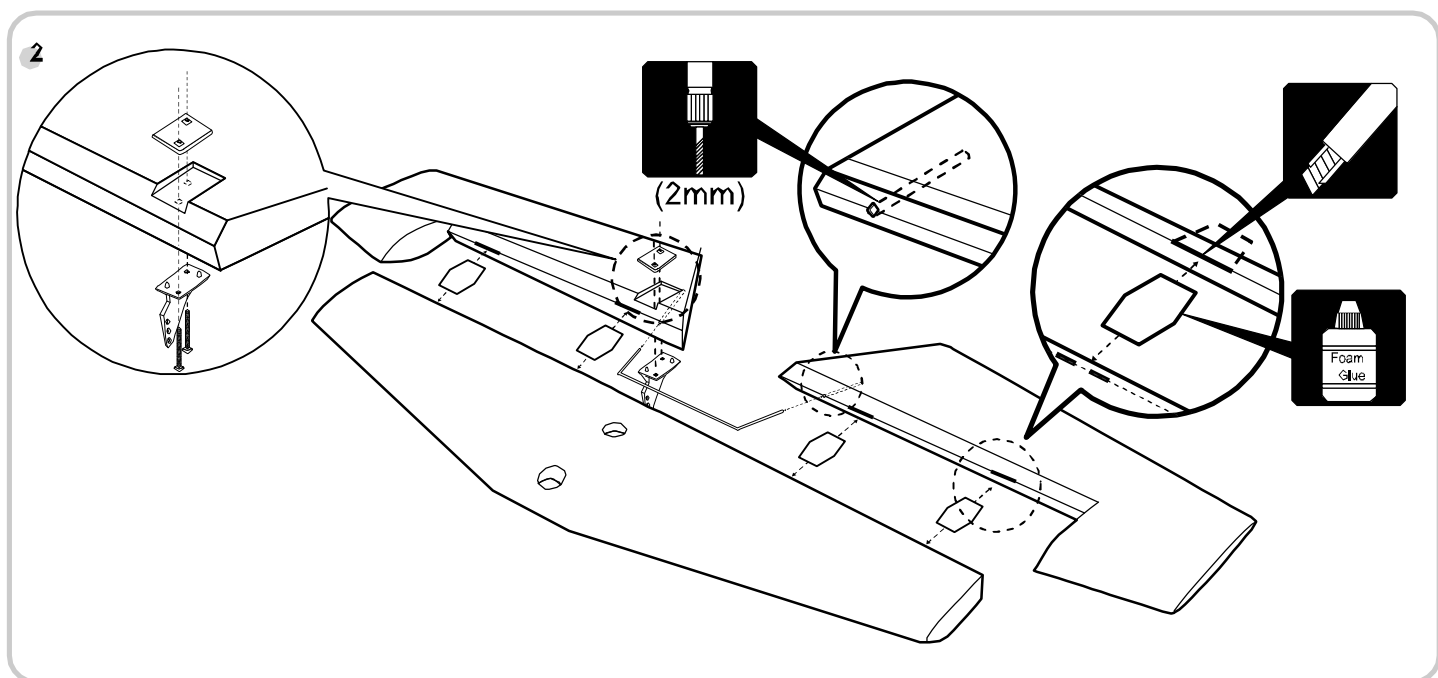
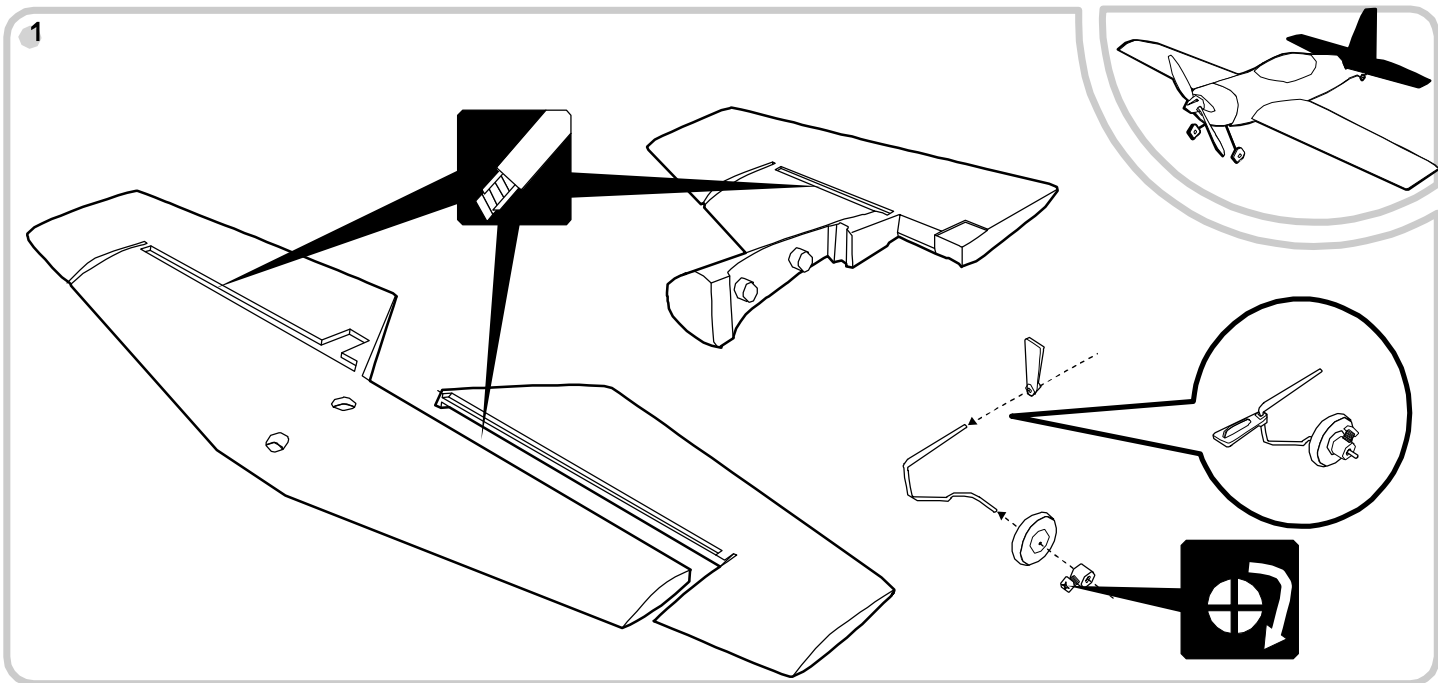
Use masking tape to hold the two halves in alignment while the glue dries.

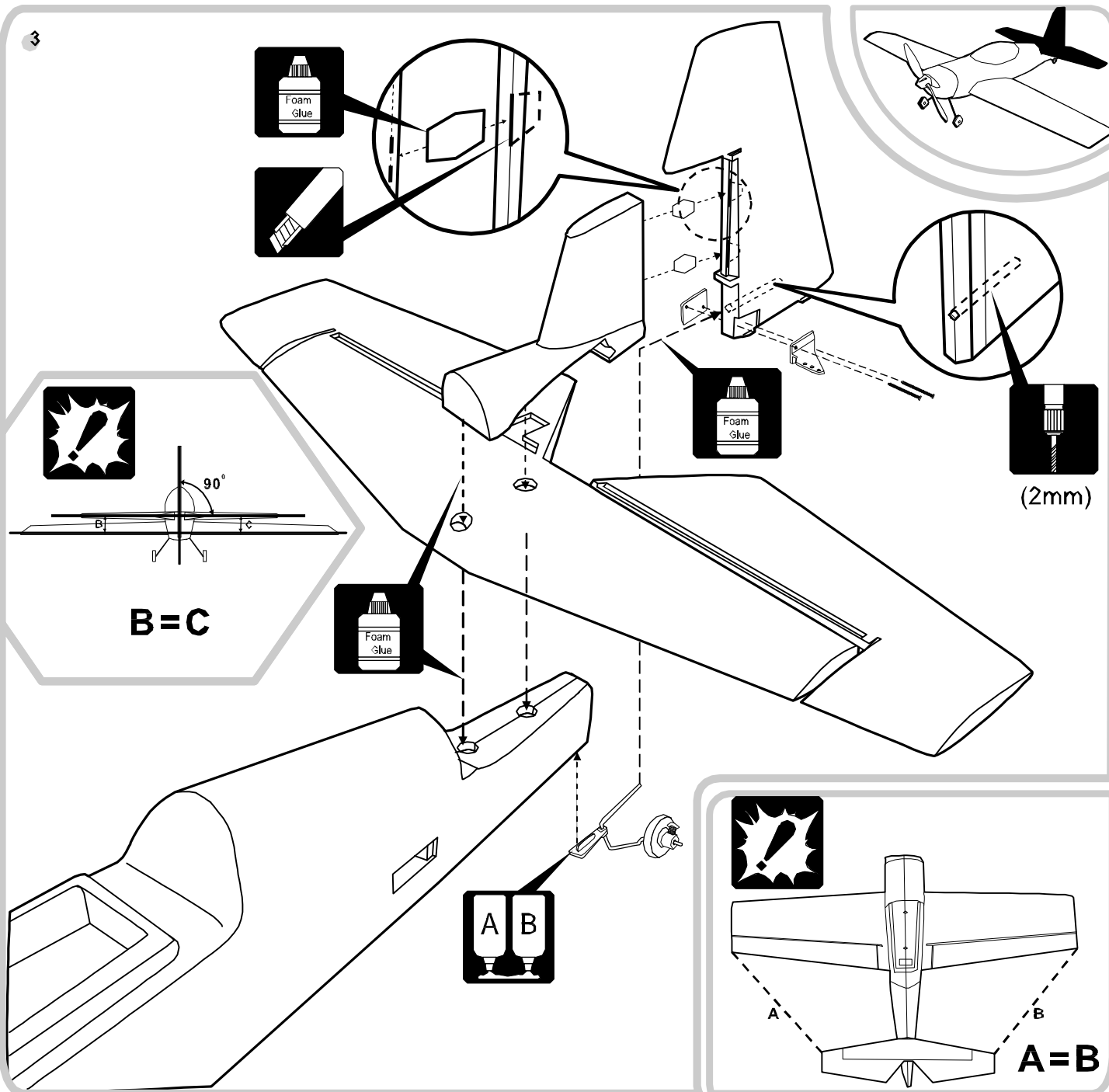


# TAIL ASSEMBLY



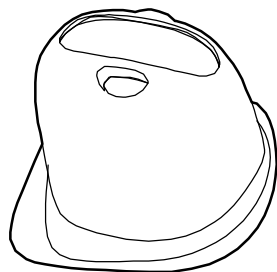
## Tail assembling



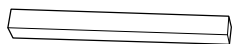


**PROPULSION SYSTEM ASSEMBLY**

Vacuum cowling  
整流罩



10x10x100 woodstick  
動力組固定座



Proadapter  
螺絲



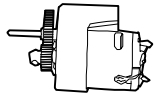
M5  
螺帽



Washup  
平墊圈



Propeller  
螺旋槳



Wheel stop  
輪槽

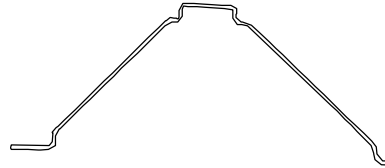
M3 x5  
螺絲



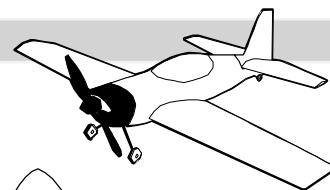
Spinner  
機鼻罩



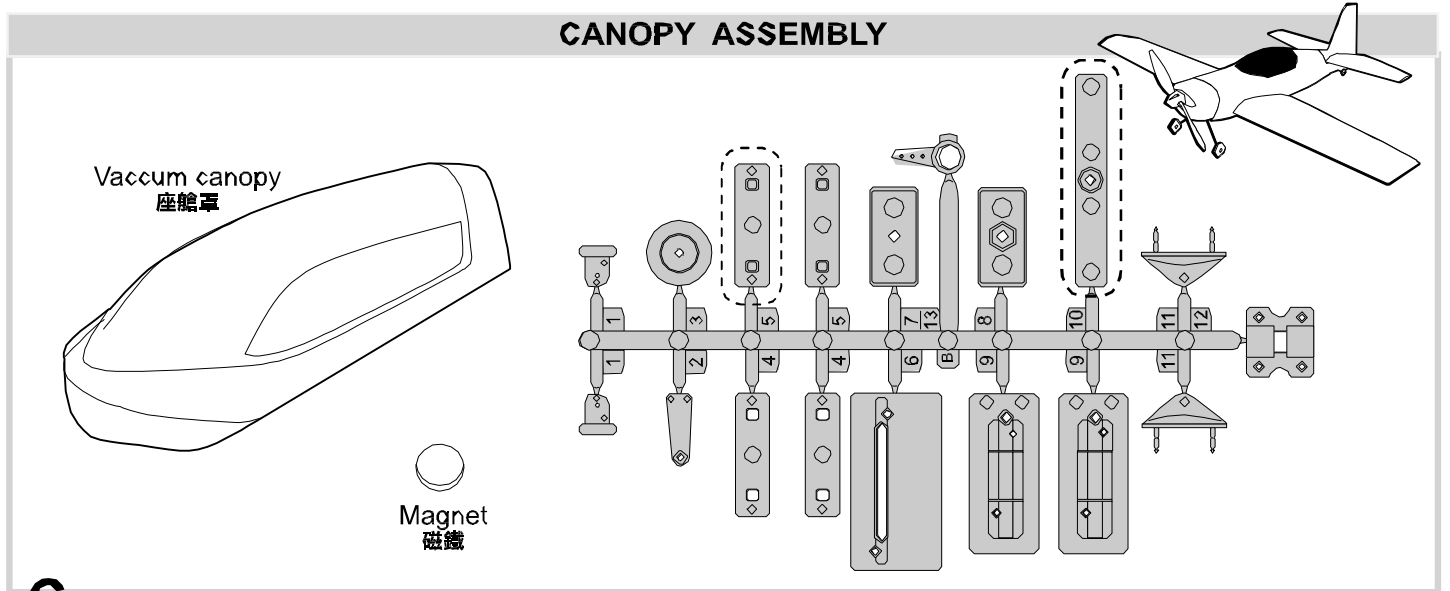
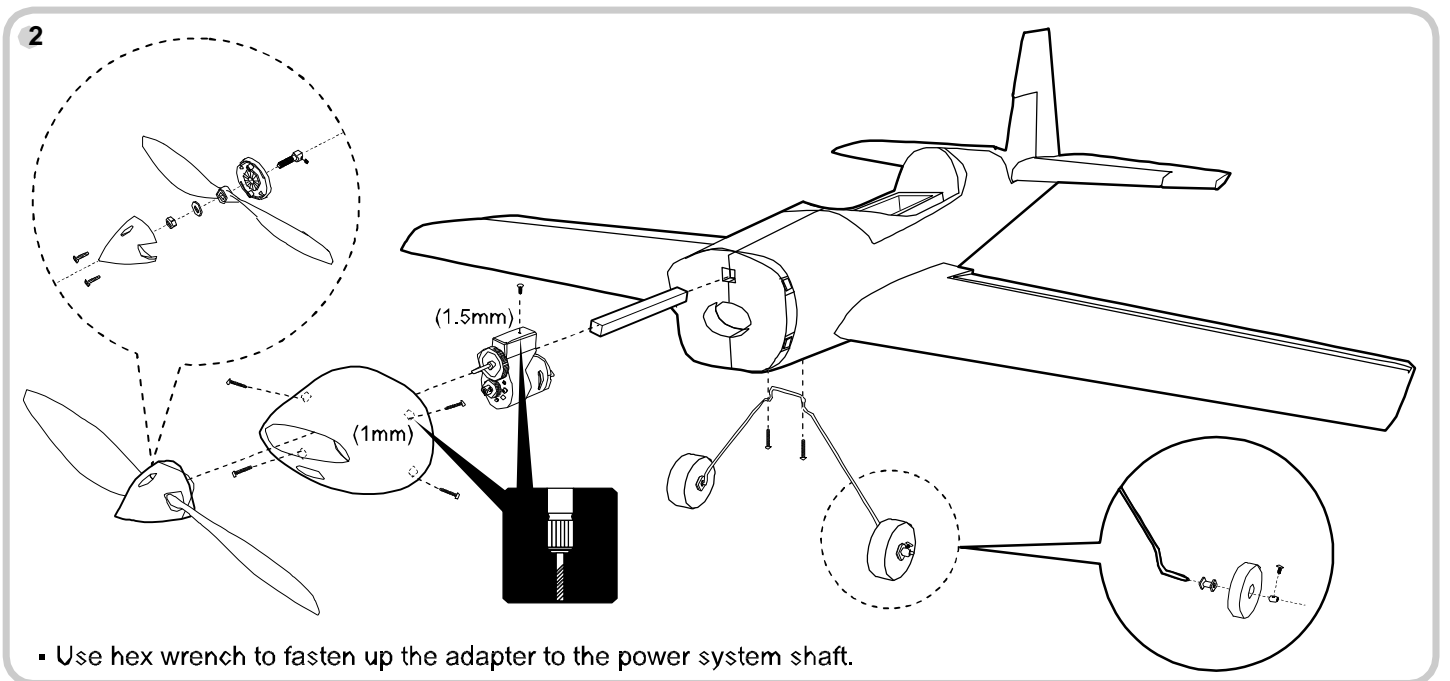
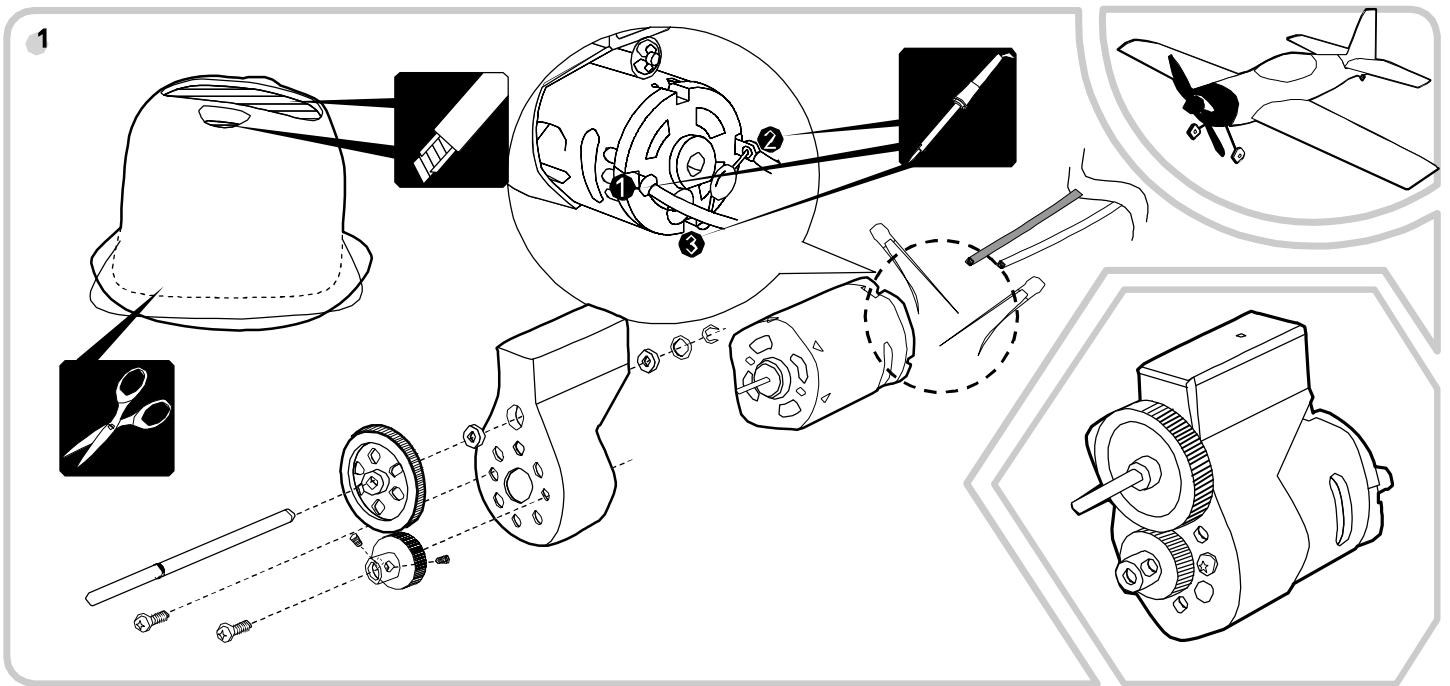
Tail dragger  
主輪架



M1.4 x9  
螺絲

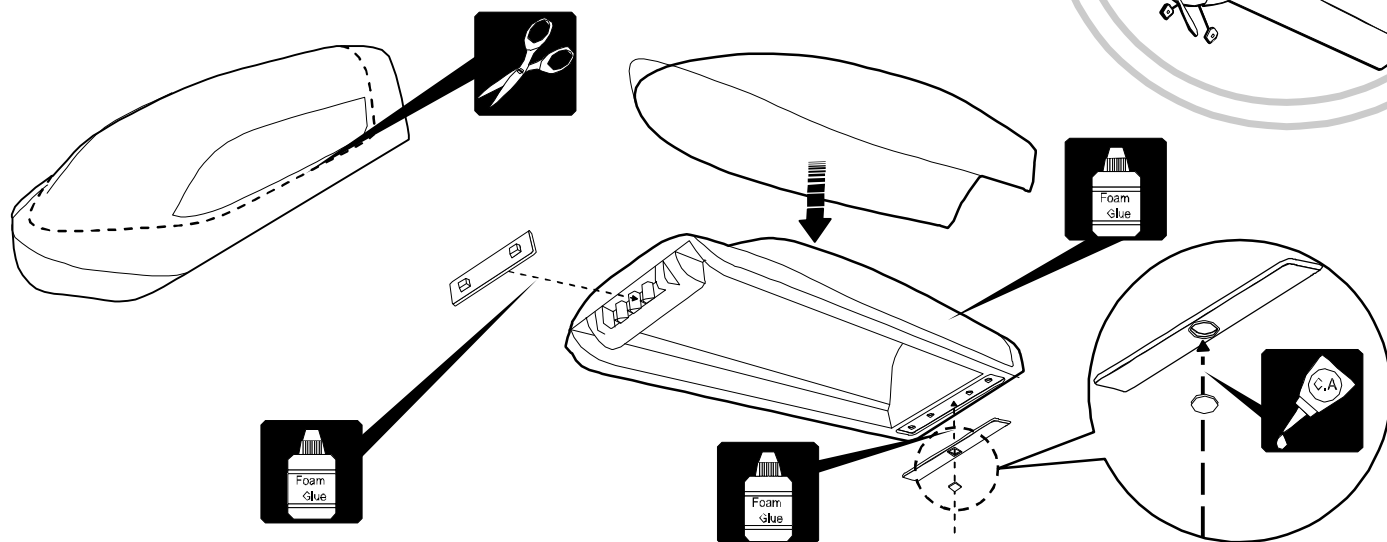


**P**ropulsion system assembling



**C**anopy assembling

1 You may use the foam canopy only or add the vacuum canopy to make it more real.

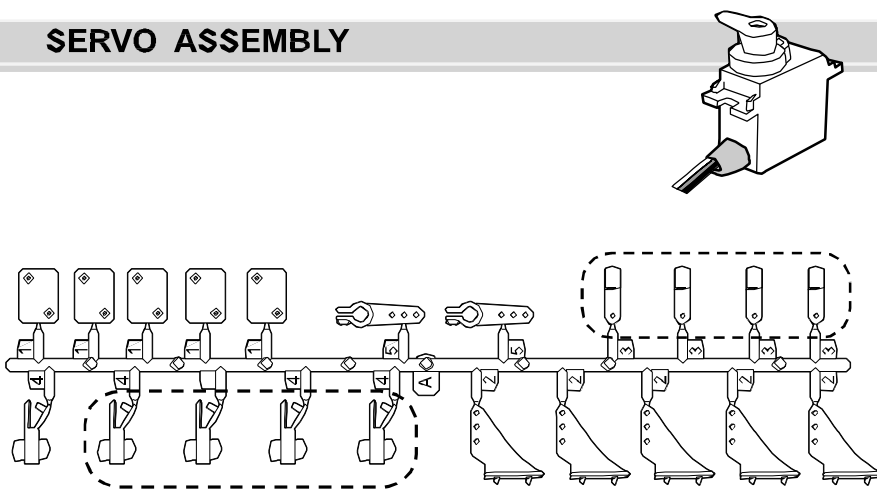


### SERVO ASSEMBLY

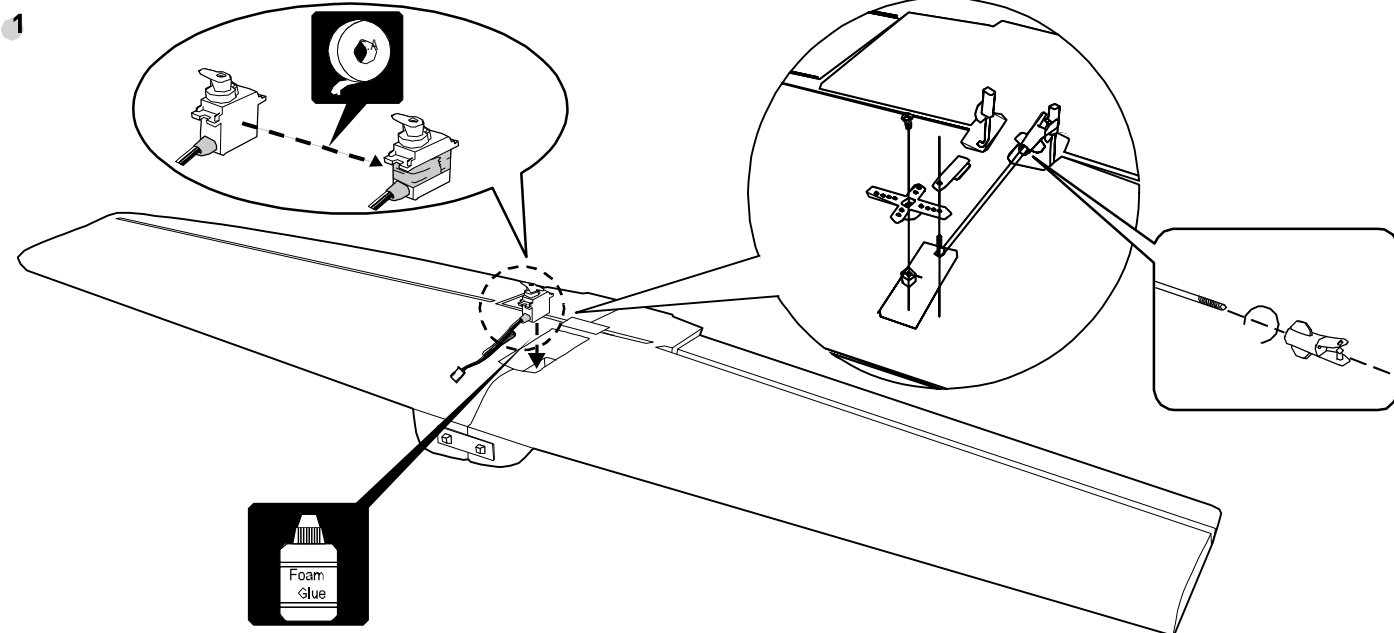
1.4mm\*240mm push rod  
推拉桿

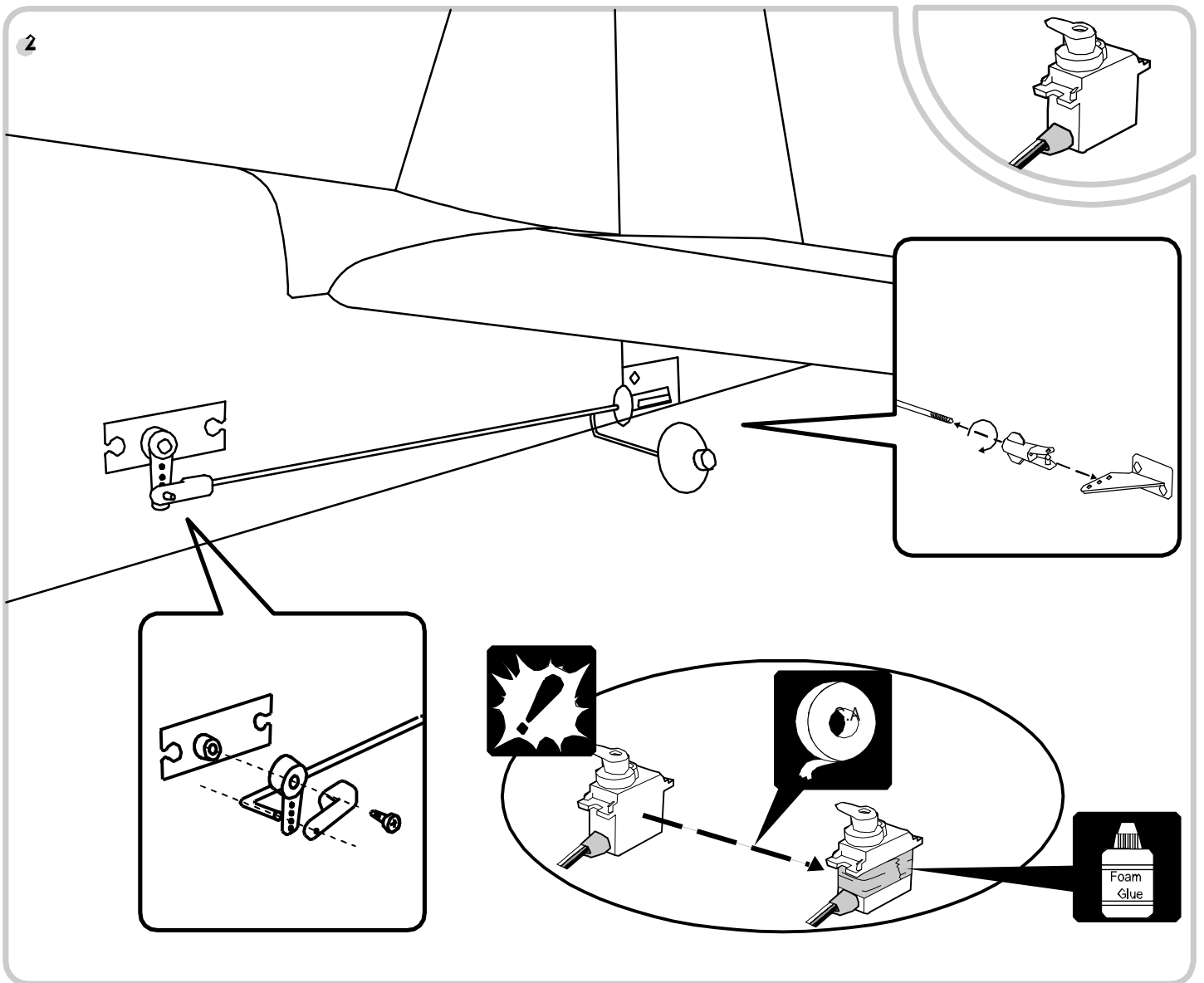


1.4mm\*150mm push rod  
推拉桿

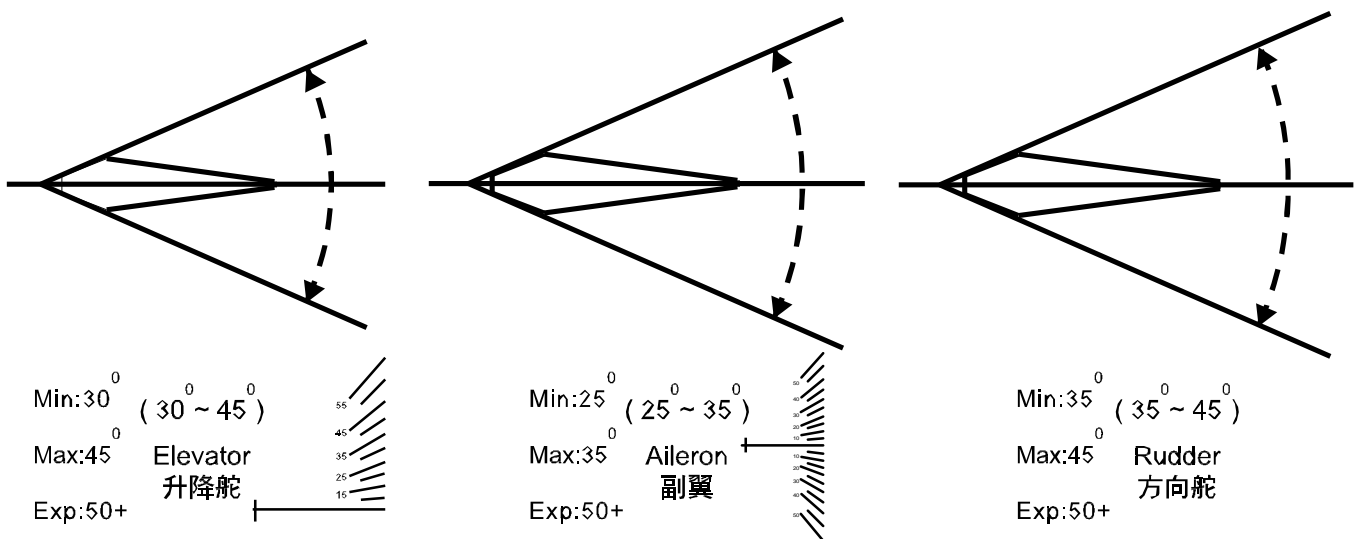


### Wing assembling





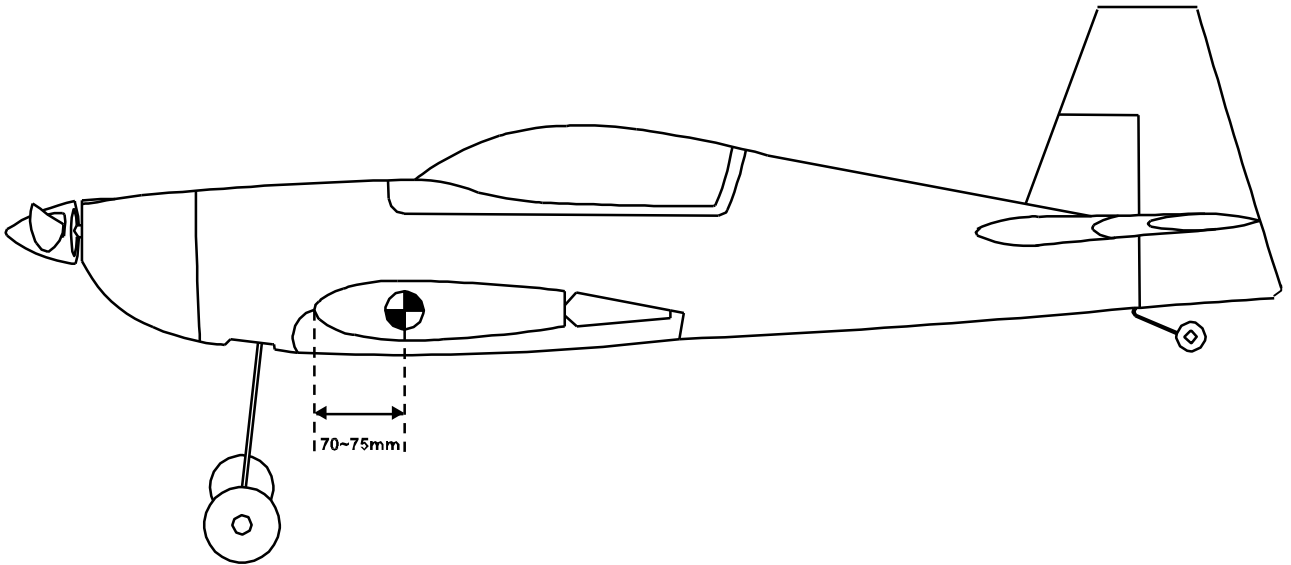
- 3 Put the degree decal on the fuselage for elevator and aileron setting reference. For extreme aerobatic maneuvers like flat spin & knife edge, you have to set all the control throws to maximum. And set the exp to 50% or more. For easy flying, set the control throws to minimum so that you have a leisure cruise in the air.



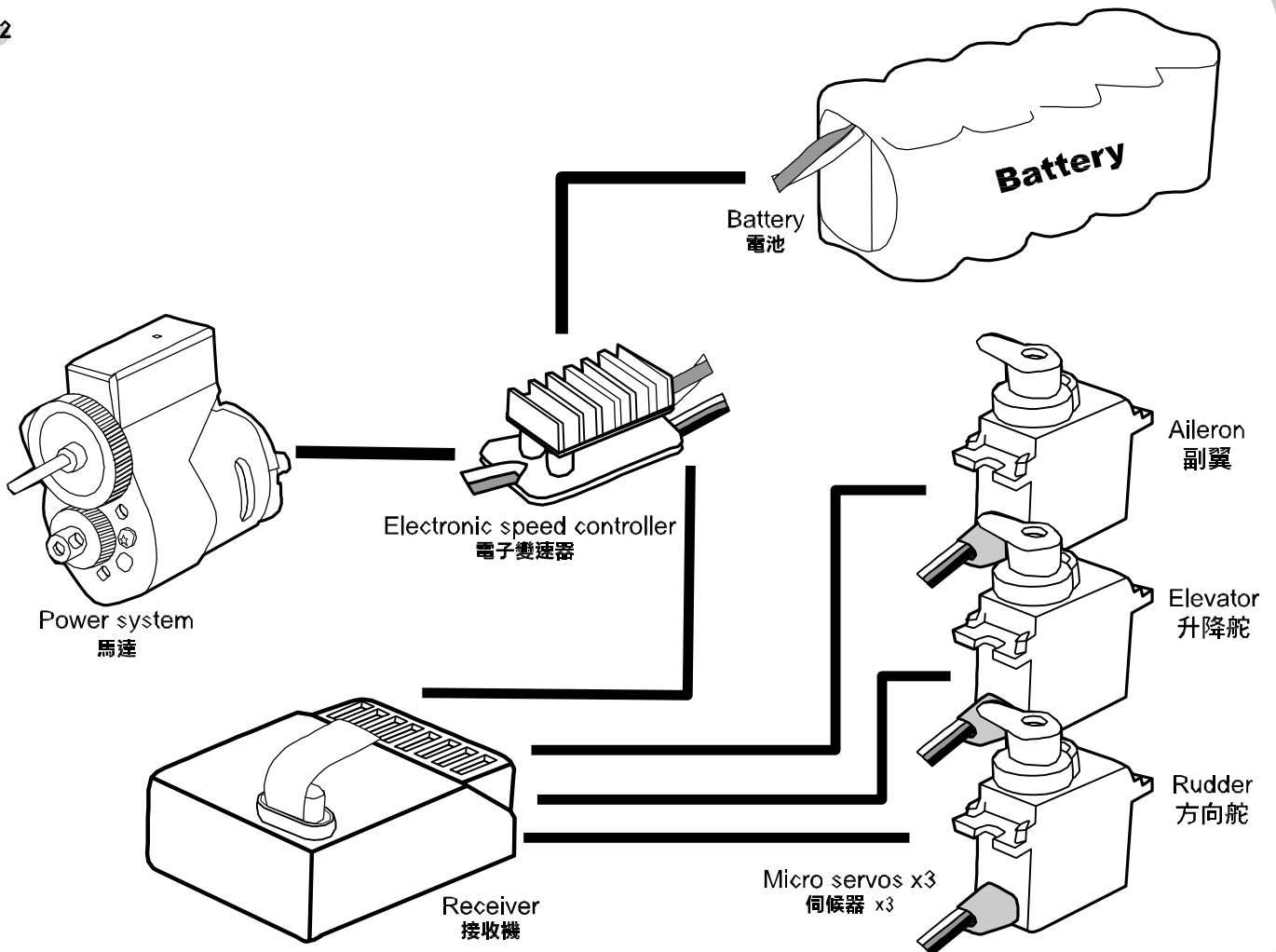


## CG & RECEIVER ASSEMBLING

- 1 CG location is (70~75)mm after the front edge of the wing at the wing root.



2





Available from [www.modelflight.com.au](http://www.modelflight.com.au)