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# Stinson Reliant

Item Nr: CY8025C



## Instruction Manual

Before commencing assembly, please read these instructions thoroughly.

**ALMOST - READY - TO - FLY**



Warning!

### SAFETY PRECAUTIONS

**This radio control model is not a toy!**

- First-time builders should seek advice from people having building experience in order to assemble the model correctly and to produce its performance to full extent.
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model.  
You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.
- Could cause serious injury or even death

### SPECIFICATION

Wing Span: 2920 mm (115in)  
Wing Area: 109 dm<sup>2</sup> (1670sq.in)  
Total Length: 2060 mm (81 in)  
Engine : 80-100cc gas engine  
Radio : 5 channels , 8 servos

# REQUIRED FOR OPERATION (Purchase separately)

- 1** A minimum 5channel radio for airplanes (with 8servos). And dry batteries.

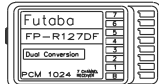


**CAUTION:** Only use a minimum 5channel radio for airplanes! (No other radio may be used!)

A minimum 5 channel transmitter for airplanes.



12 AA-size Batteries



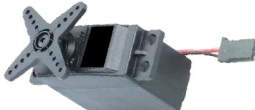
Receiver



remote control

For handling the radio properly, refer to its instruction manual.

- 2** Battery (need 2)  Switch (need 2) 

- 3** Servo(need 8 servos) 

- 4** Engine and Muffler  
Model Airplane engine:80-100cc GAS engine



Muffler



Ignition



- 5** Glue



Epoxy Glue



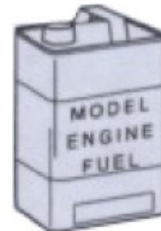
Instant glue

- 6** required for engine starting



**WARNING:** Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump



Plug Wrench

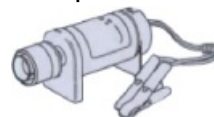
- 7** Silicone Tube



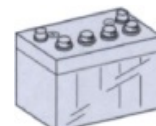
Fuel Filter



- 8** Other equipment for enhancing airplane operation & performance



Engine Starter



12V Battery (for starter)

- 9** Purchase a propeller that will match your engine



16X10----18X10

# TOOLS REQUIRED ( Purchase separately)

Sharp Hobby Knife



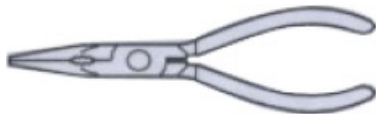
Phillips Screw Driver



Awl



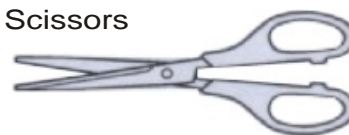
Needle Nose Pliers



Wire Cutters



Scissors



# BEFORE YOU BEGIN

- 1 . Read through the manual before you begin ,so you will have an overall idea of what to do.
- 2 . Check all parts .if you find any defective or missing parts .contact your local dealer.
- 3 Symbols used throughout this instruction manual,comprise.



Apply epoxy glue.



Drill holes with the specified Diameter(here:2mm)



Must be purchased separately!



Apply instant glue (CA glue,super glue).



Ensure smooth non-binding movement while assembling.



Pay close attention here!



Assemble left and right Sides the same way.



Cut off shaded portion.



Cut off excess.



**Warning!**

Do not overlook this symbol.

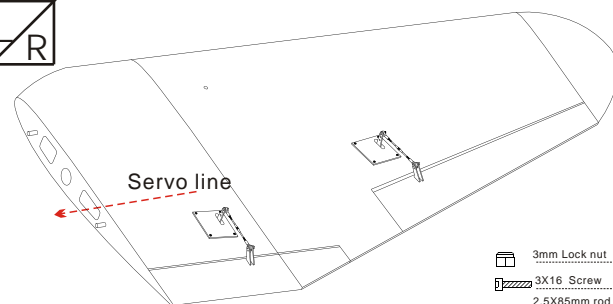


## Accessory list for this page.

	3mm Lock nut	8
	3X16 Screw	8
	2.5X85mm rod	4
	Rod adjuster	4
	Rod adjuster	4
	HORN	8
	2.6X12mm Tp Screw	16
	8mm nylon Nut	4
	Hinge	6
	Hinge	10

### 3

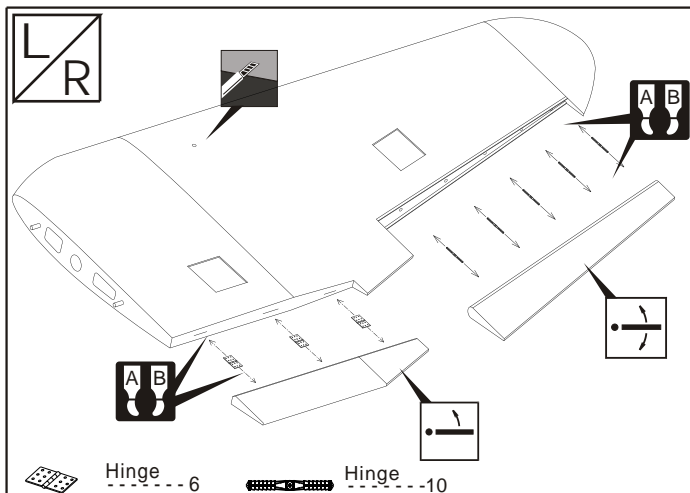
## Install the aileron servo.



	3mm Lock nut	8
	3X16 Screw	8
	2.5X85mm rod	4
	Rod adjuster	4
	Rod adjuster	4
	HORN	8
	2.6X12mm Tp Screw	16

### 1

## Install the aileron

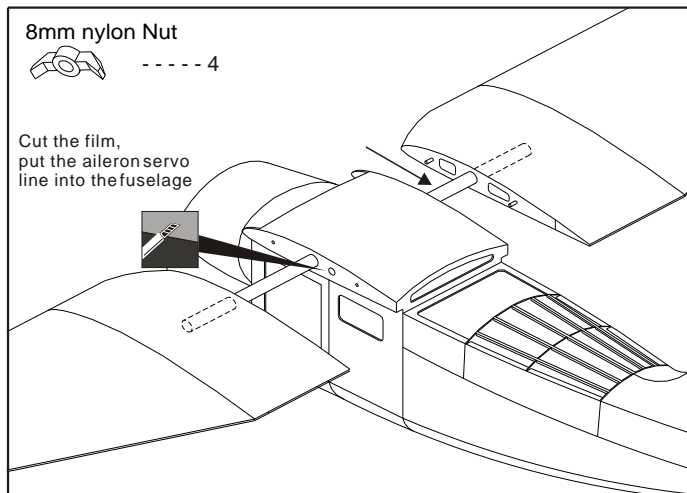


### 4

## Main wing

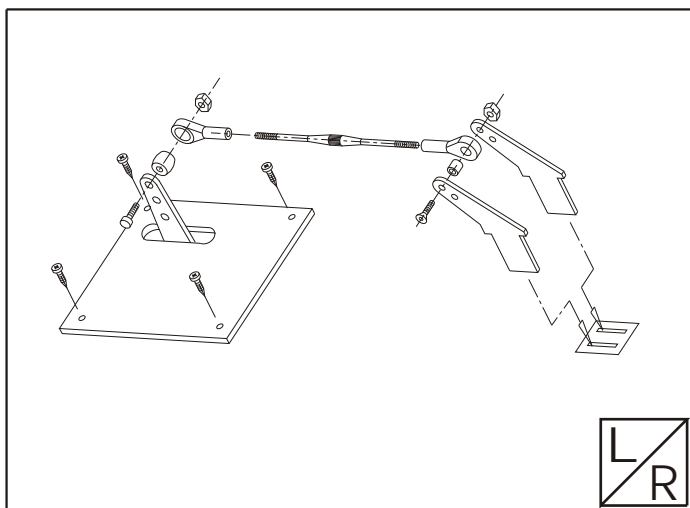
8mm nylon Nut ----- 4

Cut the film,  
put the aileron servo  
line into the fuselage



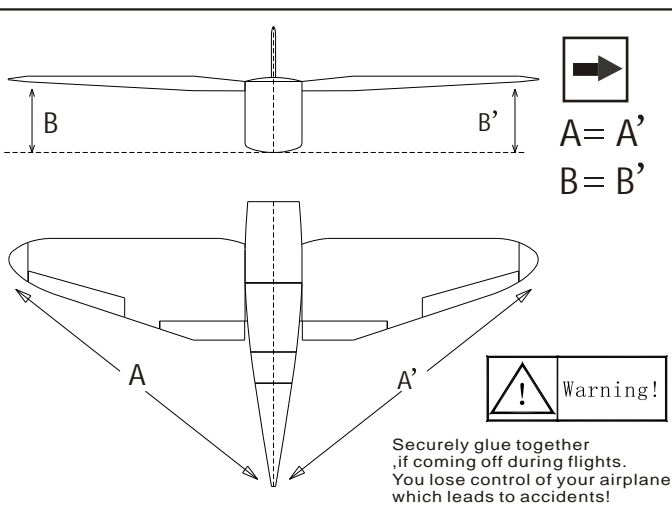
### 2

## Install the aileron servo.



### 5

## Main wing

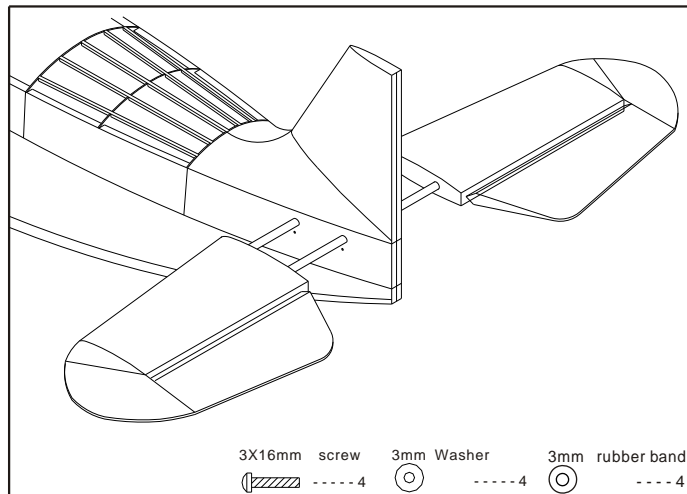




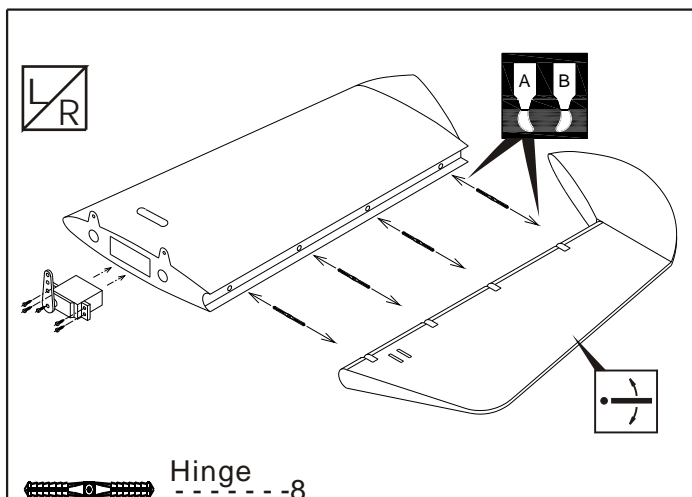
## Accessory list for this page.

	3mm Lock nut	4
	3X16 Screw	4
	2.5X85mm rod	2
	Rod adjuster	2
	Rod adjuster	2
	HORN	4
	3X16mm screw	4
	3mm Washer	4
	3mm rubber band	4
	Hinge	8

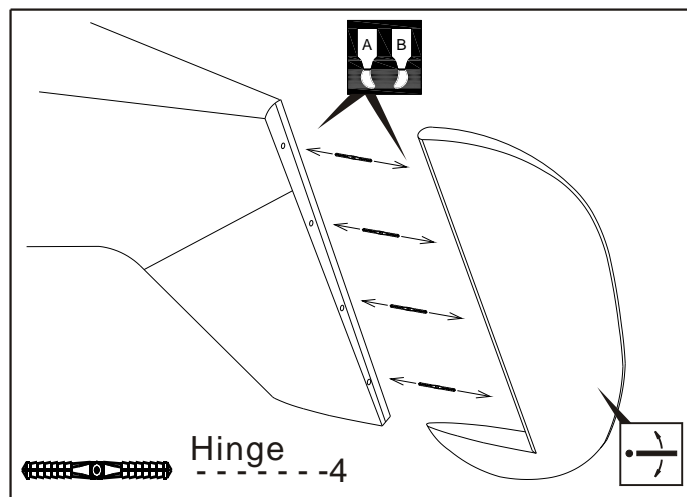
## Install the elevator



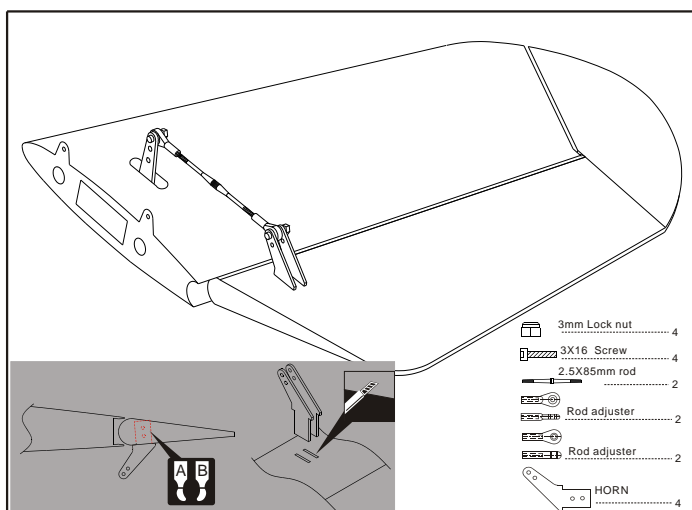
## 6 Install the elevator



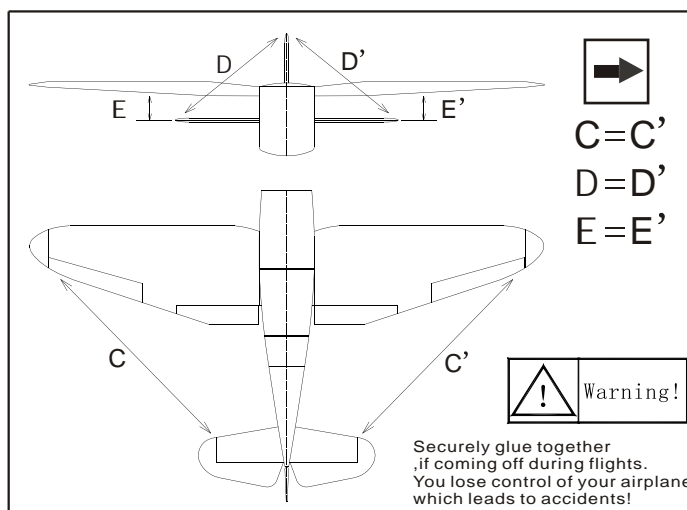
## 9 Install the rudder



## 7 Install the elevator



## 10 Horizontal/Vertical tail

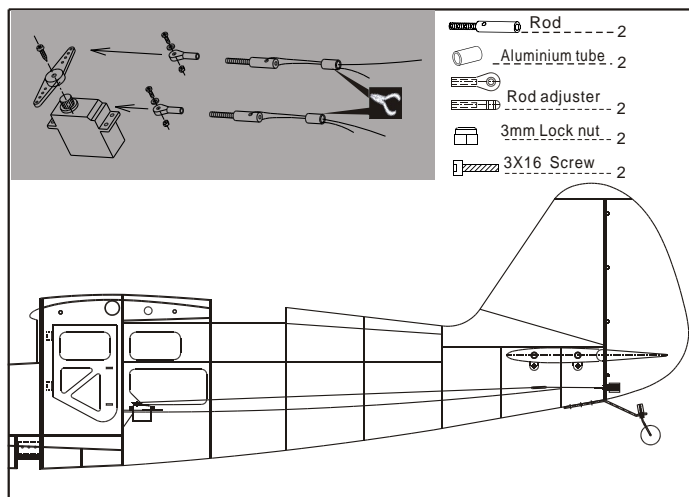




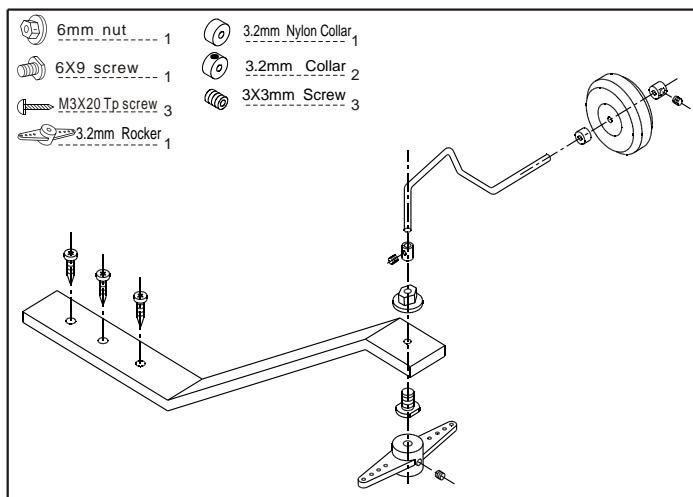
## Accessory list for this page.

Spring	2	6mm nut	1	5X25mm Screw	4
Rod	4	6X9 screw	1	5mm locknut	4
Aluminium tube	4	M3X20 Tp screw	3	3X20mm Screw	4
Steel wire	2	3.2mm Rocker	1	3mm locknut	8
HORN	2	3.2mm Nylon Collar	1	8mm nut	2
Rod adjuster	2	3.2mm Collar	2	8mm axle	2
Rod adjuster	2	3X3mm Screw	3	5.2mm Collar	2
3X16 Screw	4			4mm Screw	2

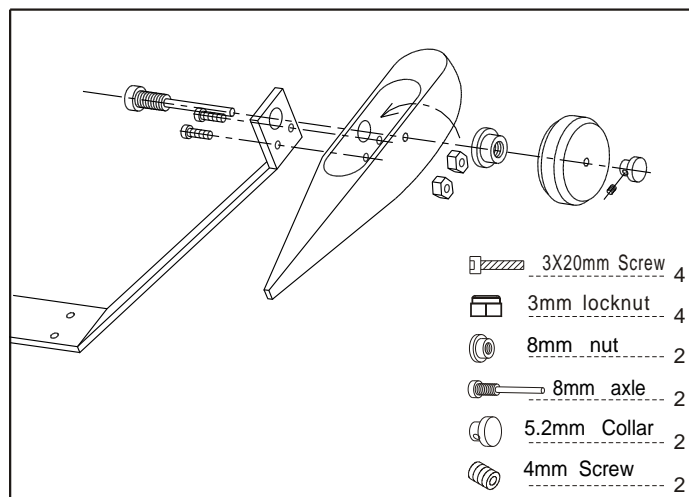
## 13 Install the rudder servo



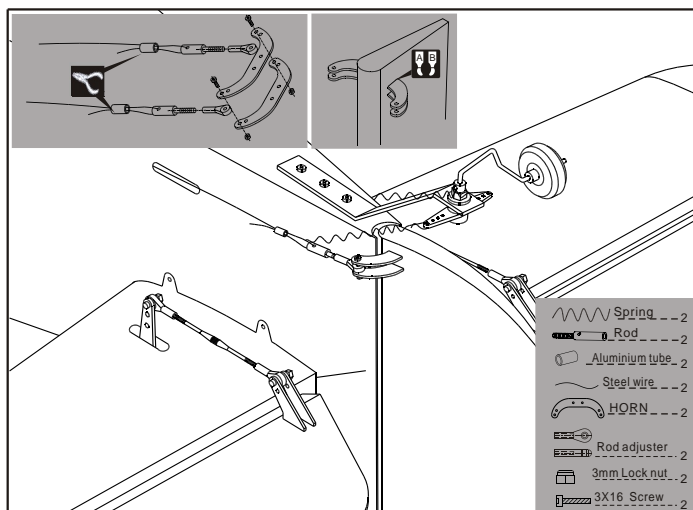
## 11 Install the tail wheel



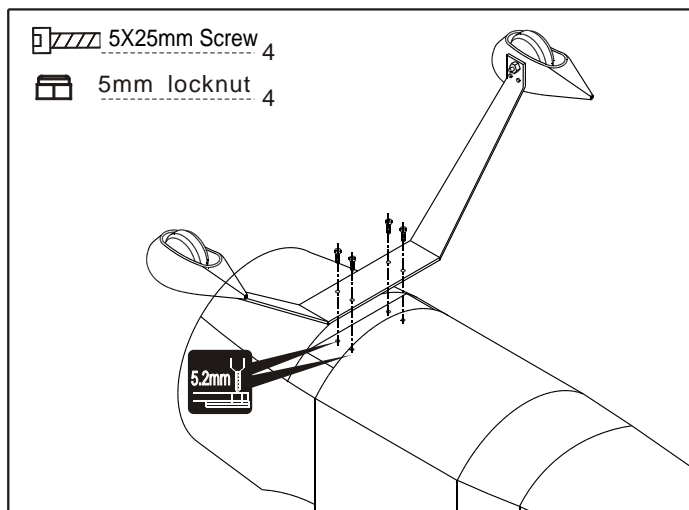
## 14 Install the main landing gear



## 12 Install the rudder servo&tail wheel









## 15 Install the main landing gear



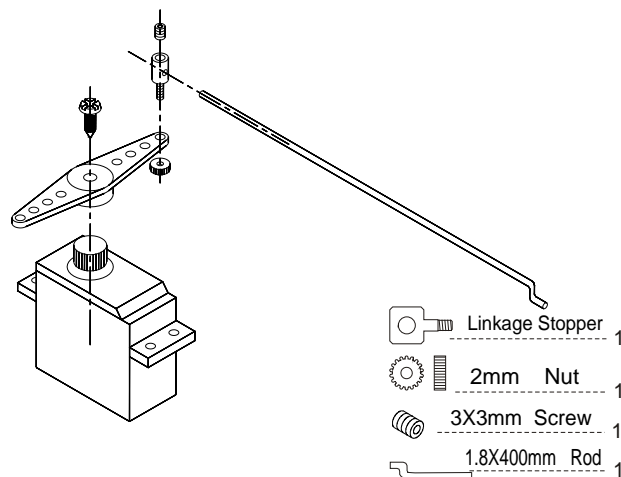




## Accessory list for this page.

-  Linkage Stopper 1
-  2mm Nut 1
-  3X3mm Screw 1
-  1.8X400mm Rod 1
-  3X16mm screw 4
-  3mm lock nut 1

## 18 Install the throttle servo



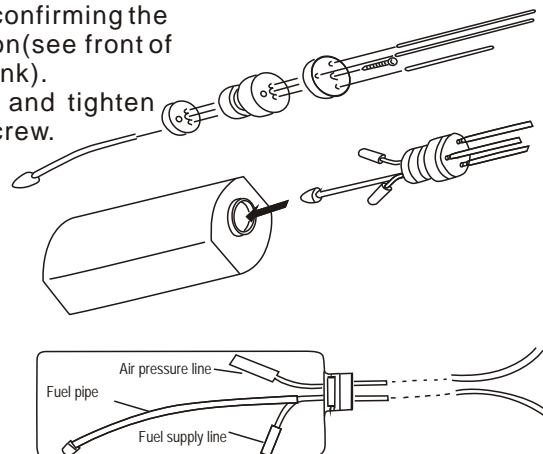
## 16 Install the wing support and landing gear cover



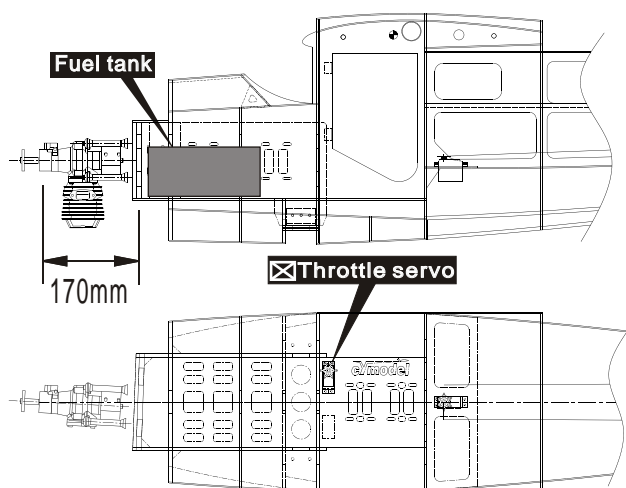
-  3X16mm screw 4
-  3mm lock nut 1

## 19 Assembly of the full tank

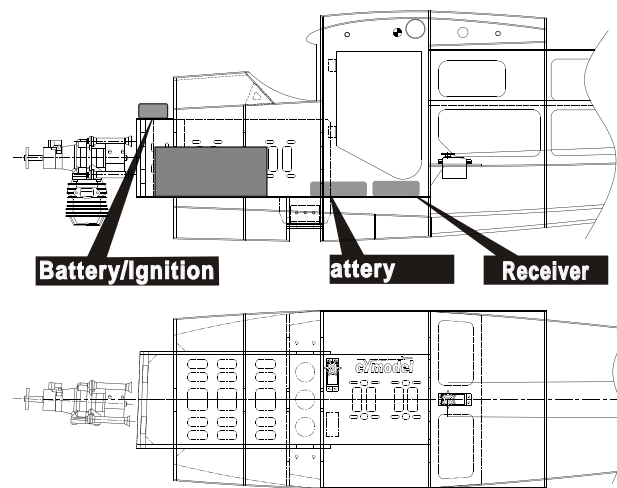
After confirming the position (see front of fuel tank). Insert and tighten the screw.



## 17 Install the engine

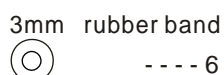
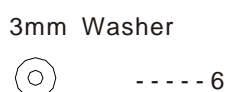
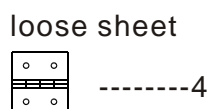
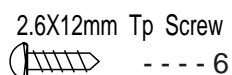
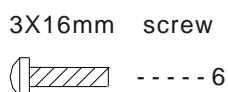


## 20 Radio Equipment





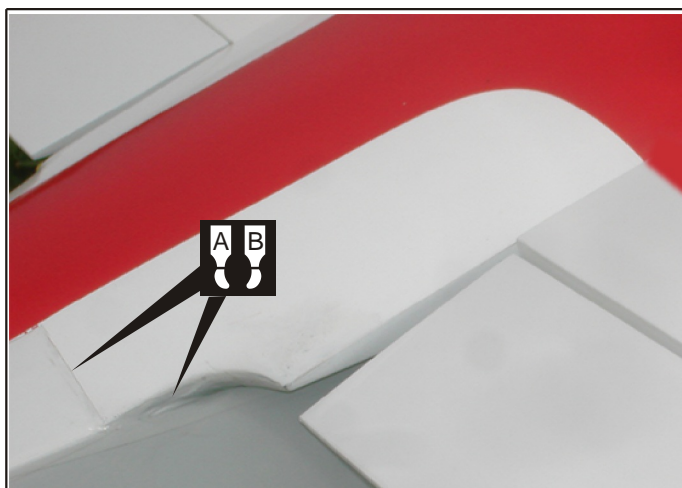
## Accessory list for this page.



## 23 Install the door



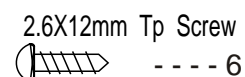
## 21 Install the cover



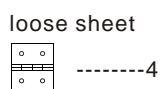
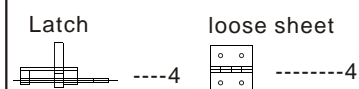
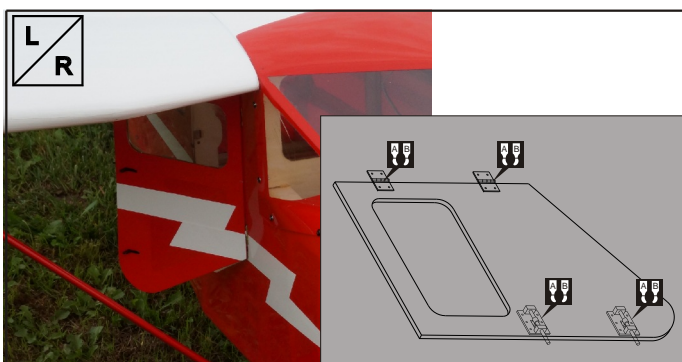
## 24 Install the canopy



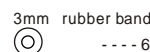
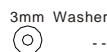
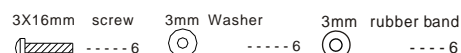
Cut away the surplus parts of canopy care fully along the shaded line.



## 22 Install the door

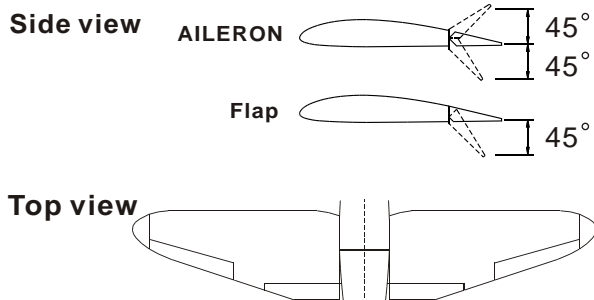


## 25 Install the thr cowling



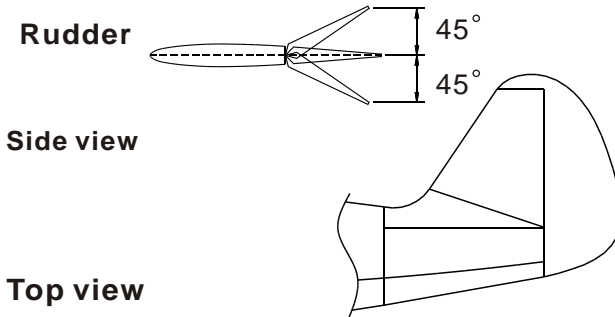
## 26 Adjustment.

Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.



## 28 Adjustment

Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.



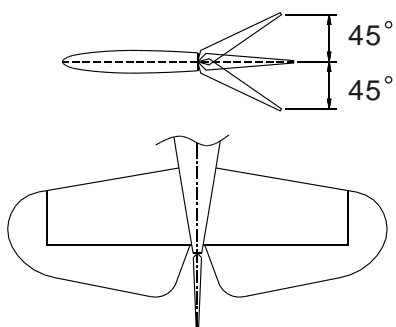
## 27 Adjustment.

Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.

### ELEVATOR

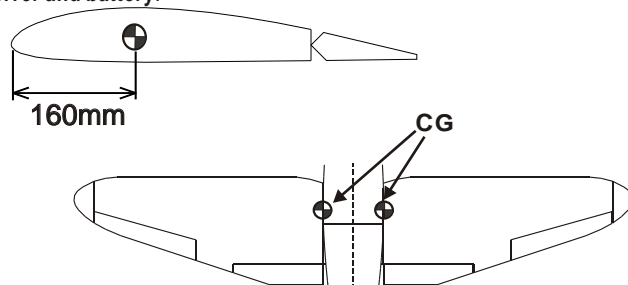
**Side view**

**Top view**



## 29 Adjustment.

Never fly before checking the Cg ' s required position.  
In order to obtain the CG specified ,reposition the receiver and battery.



警告  
Warning!

**NEVER fly the model without well balancing.**