

# JUKA



## 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 childrens reach!
- Take enough safety precautions prior to operating this model.  
You are responsible for this models 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: 2540 mm (100 in)  
Wing Area: 117dm<sup>2</sup> (1814sq.in)  
Total Length: 2500 mm (98.5 in)  
Radio : 4-5 channels, 10-11 servos  
Engine : 100cc gas engine

# REQUIRED FOR OPERATION (Purchase separately)

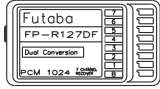
- 1** A minimum 4-5channel radio for airplanes (with 10-11servos)  
And dry batteries.

 **CAUTION:** Only use a minimum 4-5channel radio for airplanes! (No other radio may be used!)

A minimum 4-5 channel transmitter for airplanes.



12 AA-size Batteries



receiver



remote control

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

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

- 3** Servo(need 10-11 servos) 

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

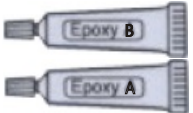




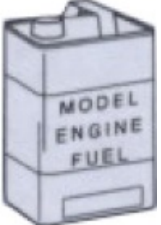
Muffler



Muffler

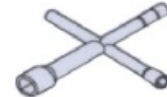


- 5** Glue    
Epoxy Glue Instant glue

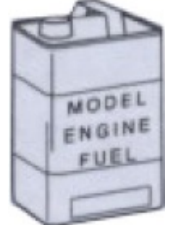
- 6** required for engine starting  **WARNING:** Normal gasoline cannot be used with glow engines. 





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  
  
20X10----22X10

# TOOLS REQUIRED ( Purchase separately)

Sharp Hobby Knife



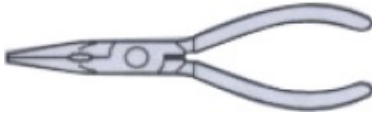
Phillips Screw Driver



Awl



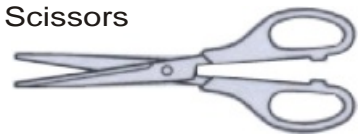
Needle Nose Pliers



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!


 **Warning!**


 Apply instant glue (CA glue,super glue).


 Ensure smooth non-binding movement while assembling.

 Pay close attention here!

Do not overlook this symbol.

 Assemble left and right Sides the same way.

 Cut off shaded portion.

 Cut off excess.



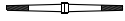
## Accessory list for this page.

8mm nylon Nut



----- 2

2.5X85mm rod



----- 6

8mm Washer



----- 2

HORN



----- 6

----- 6

2X8mm screw



----- 12

Rod adjuster



----- 12

3X40mm screw



----- 18

Connecting rod head



----- 6

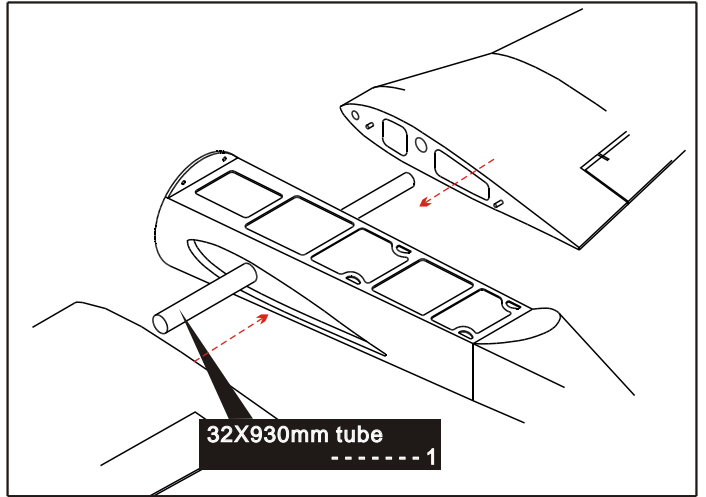
4X30 Screw



----- 6

# 3

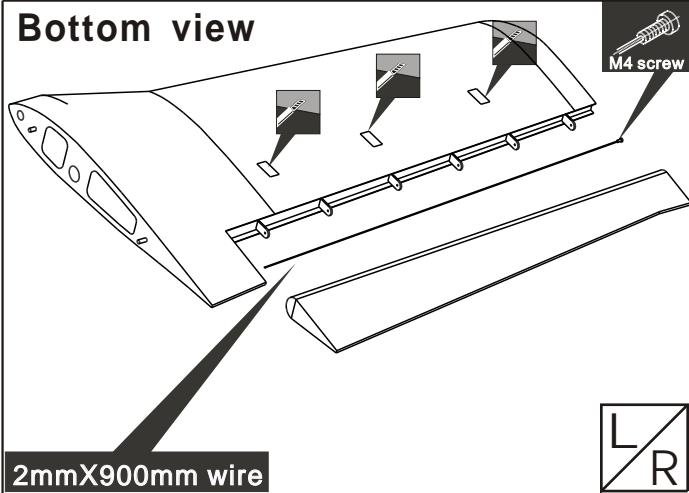
## Main wing, put the aileron servo line into the fuselage



# 1

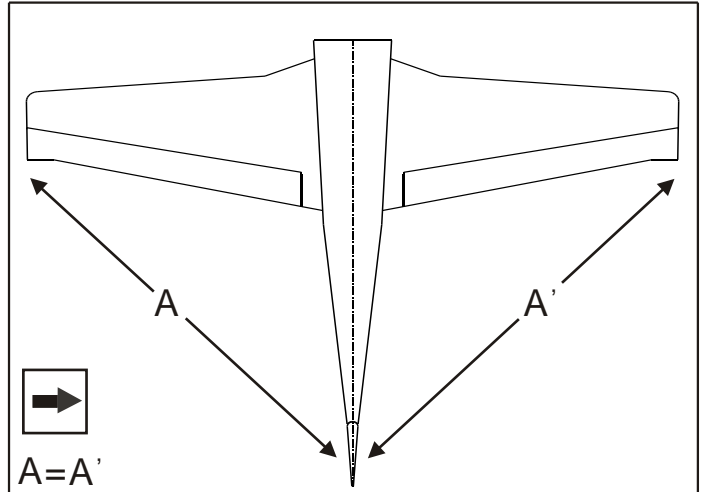
## Install the aileron

### Bottom view



# 4

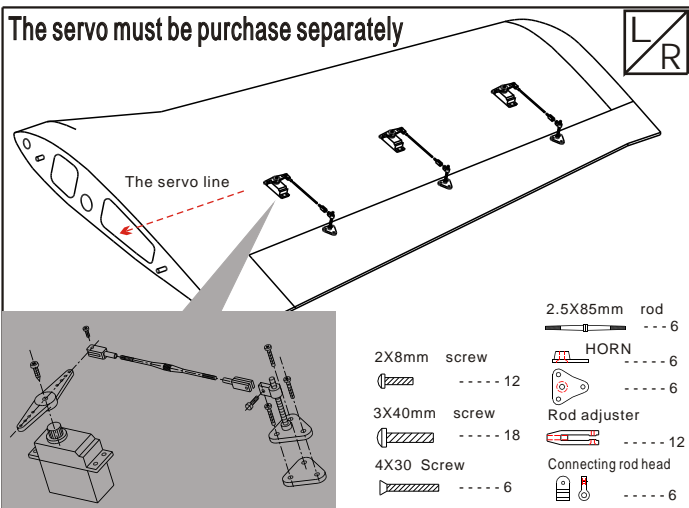
## Checking the wing



# 2

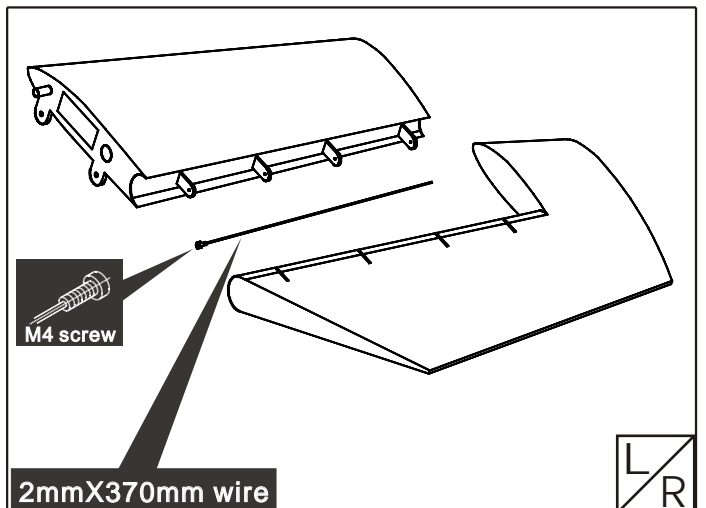
## Install the aileron servo

The servo must be purchase separately






















# 5

## Install the elevator



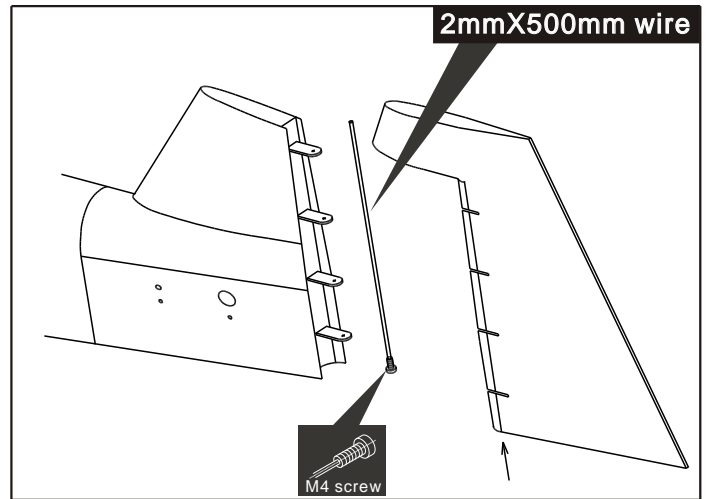


## Accessory list for this page.

3X14mm Screw  ----- 4	2.5X85mm rod  ----- 2	Rod adjuster  ----- 4
3mm washer  ----- 4	HORN  ----- 2	Connecting rod head  ----- 2
3mm rubber band  ----- 4	Rod adjuster  ----- 4	Rod  ----- 4
2X10mm screw  ----- 4	Connecting rod head  ----- 2	Aluminium tube  ----- 4
3X40mm screw  ----- 6	4X30 Screw  ----- 2	2X8mm screw  ----- 4
4mm washer  ----- 2	4X120mm screw  ----- 1	4mm nut  ----- 2
		1400mm Steel wire  ----- 2

# 8

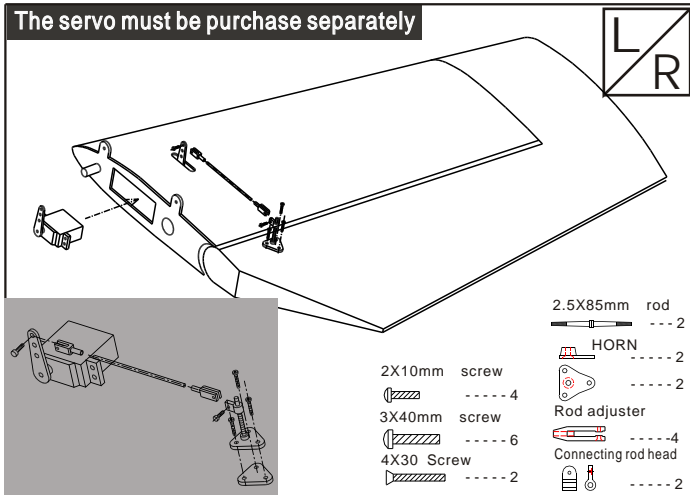
## Instal the rudder



# 6

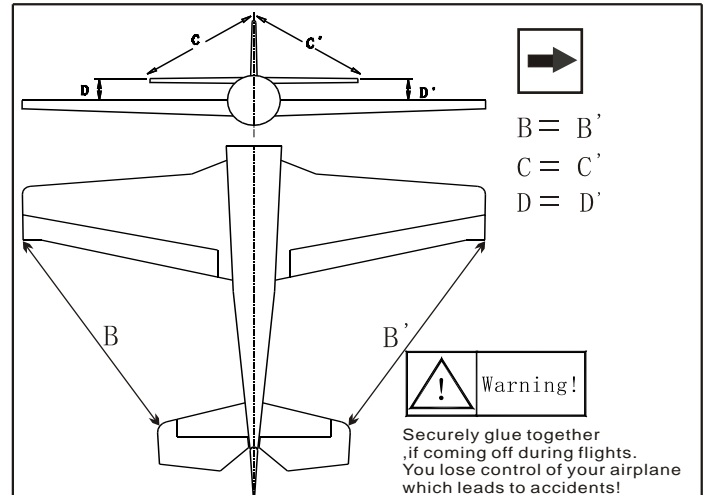
## Instal the elevator servo(means :1)

The servo must be purchase separately



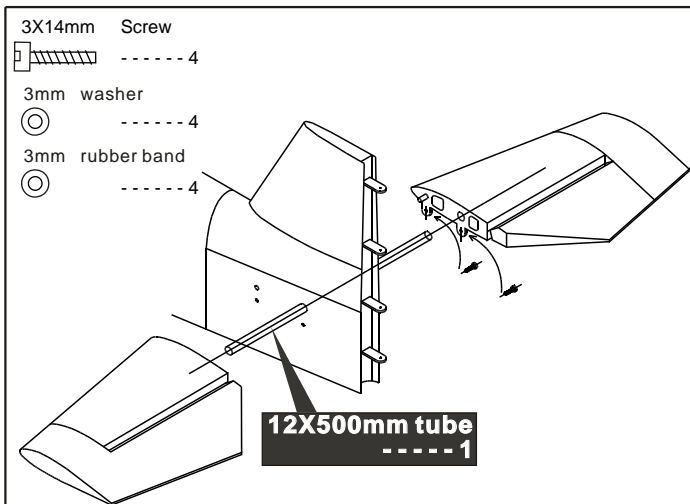
# 9

## Horizontal/Vertical tail



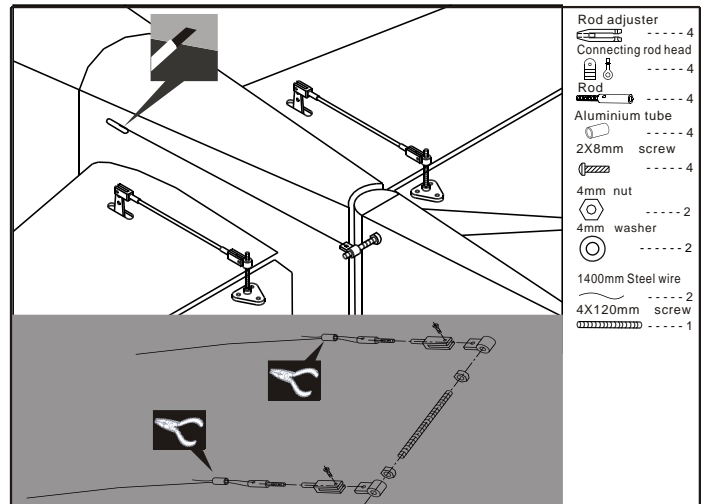
# 7

## Instal the elevator





















# 10

## Instal the rudder servo

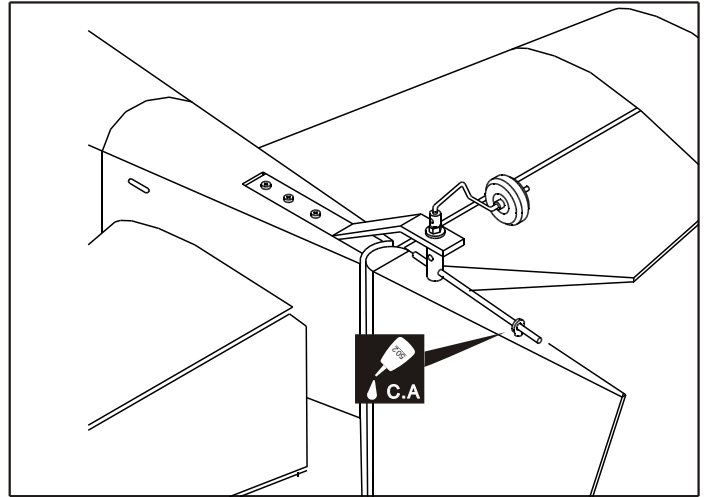




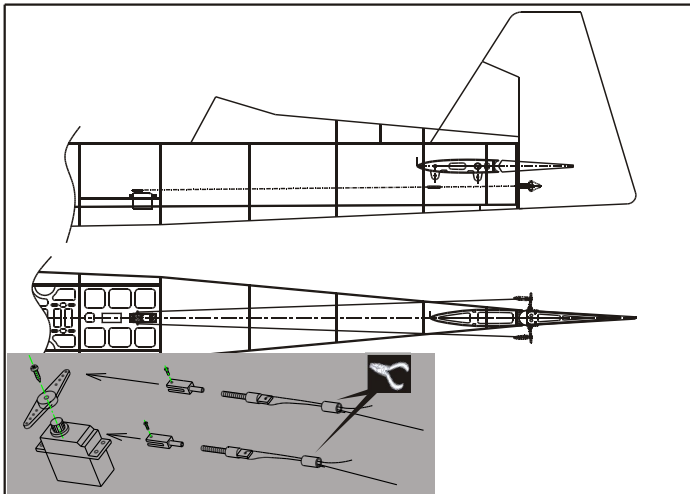
## Accessory list for this page.

- |   |         |   |         |
|---|---------|---|---------|
| 3X3mm Screw<br>        | ----- 6 | 5X25mm screw<br> | ----- 4 |
| 3.2mm Nylon Collar<br> | ----- 1 | 5mm washer<br>   | ----- 4 |
| 3.2mm Collar<br>       | ----- 2 | 8mm axle<br>     | ----- 2 |
| M3X20 Tp screw<br>     | ----- 3 | 8mm nut<br>      | ----- 2 |
| 1.8X200mm rod<br>      | ----- 1 | 5.2mm collar<br> | ----- 2 |
| Linkage Stopper<br>    | ----- 1 | 3X20mm screw<br> | ----- 4 |
| 3.2mm Collar<br>       | ----- 1 | 3mm Lock nut<br> | ----- 4 |
| M6 Nut<br>             | ----- 1 | M6X9 screw<br>   | ----- 1 |
| 45mm Wheel<br>         | ----- 1 | 90mm wheel<br>   | ----- 2 |

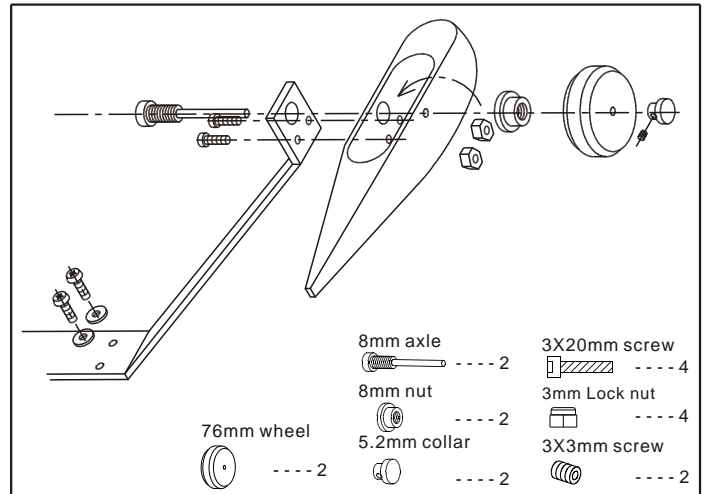
## 13 Install the tail wheel



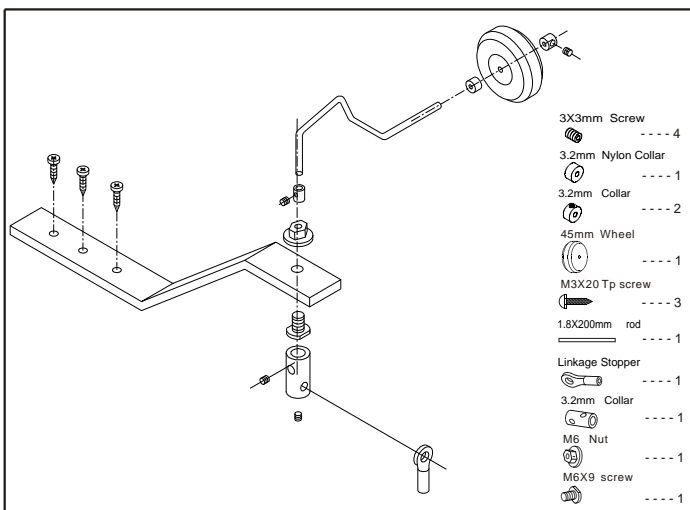
## 11 Install the rudder servo



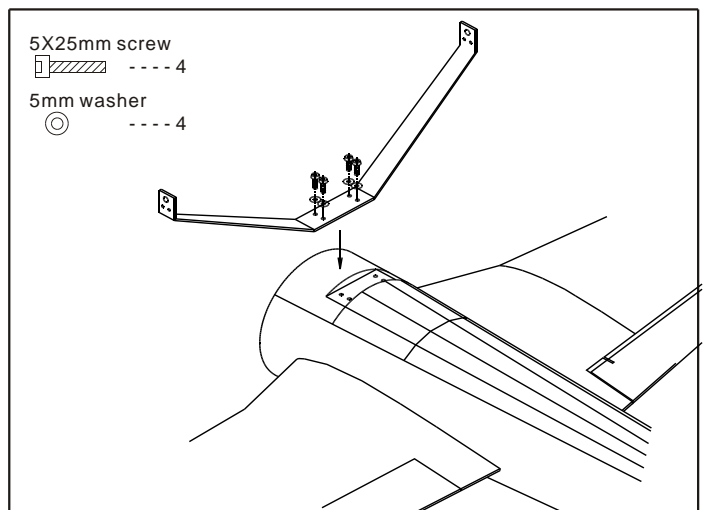
## 14 Install the main landing gear



## 12 Install the tail wheel



## 15 Install the main landing gear



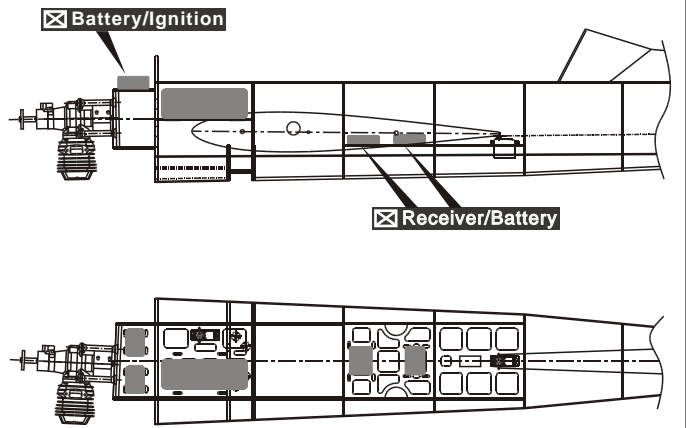




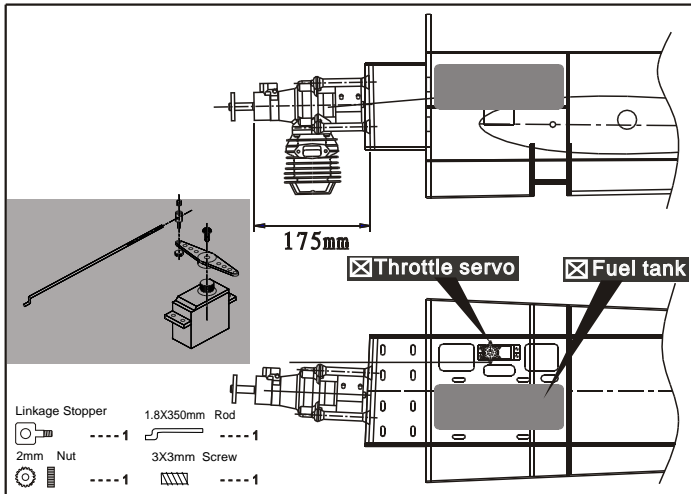
## Accessory list for this page.

3X14mm Screw	3mm washer
----- 5	----- 9
3X25mm Screw	2.3X10mm Tp screw
----- 4	----- 8
3mm rubber band	1.8X350mm Rod
----- 9	----- 1
Linkage Stopper	3X3mm Screw
----- 1	----- 1
2mm Nut	
----- 1	

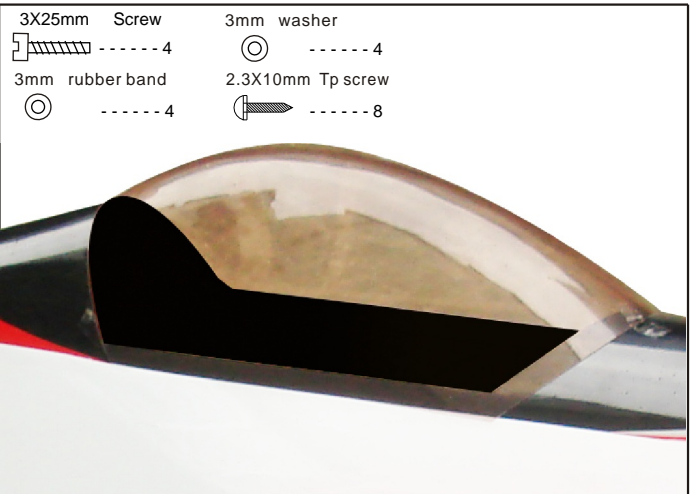
## 18 Radio Equipment



## 16 Install the engine: 50cc gas engine

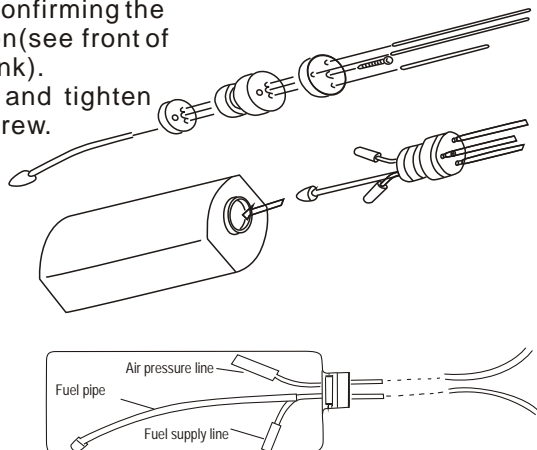


## 19 Assembly the cowling

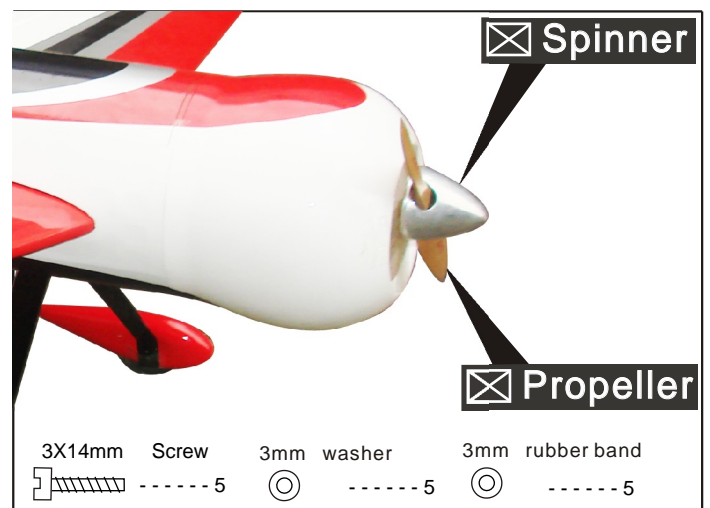


## 17 Assembly of the full tank

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



## 20 Install the canopy

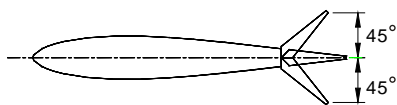


## 21 Adjustment.

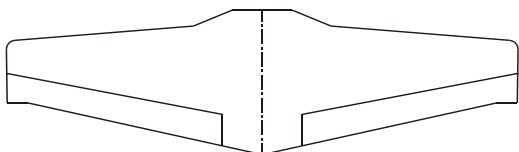
Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.

### AILERON

Side view



Top view

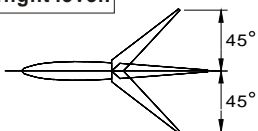


## 22 Adjustment.

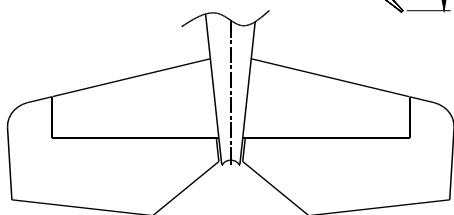
Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.

### ELEVATOR

Side view



Top view

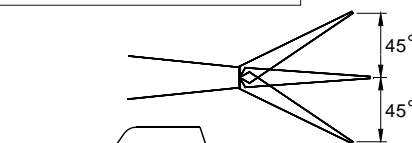


## 23 Adjustment

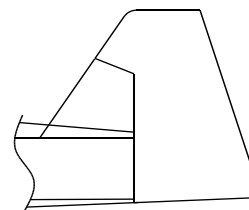
Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.

### Rudder

Side view

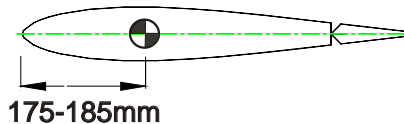


Top view

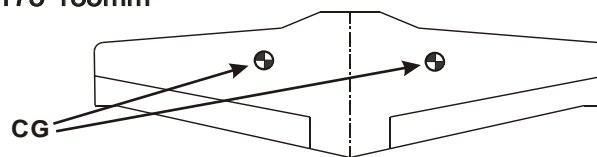


## 24 Adjustment.

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



175-185mm



警告  
Warning!

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