

# AERONCA C-3



## 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: 2980mm (117.5in)  
Wing Area: 96.7dm<sup>2</sup> (1500sq.in)  
Total Length: 1750 mm (69 in)  
Engine :SAITO FG57TS engine  
Radio : 4 channels ,6 servos

# REQUIRED FOR OPERATION (Purchase separately)

- 1 A minimum 4channel radio for airplanes (with 6servos). And dry batteries.

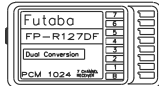


CAUTION: Only use a minimum 4channel radio for airplanes! (No other radio may be used!)

A minimum 4channel 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 6 servos )



- 4 Engine and Muffler  
Model Airplane engine:SAITOF G57TS engine



- 5 Glue



Epoxy Glue



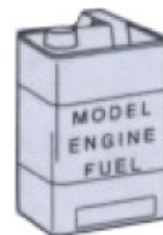
Instant glue

- 6 required for engine starting



WARNING: Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump



Plug Wrench

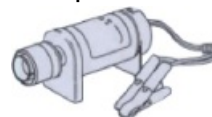
- 7 Silicone Tube



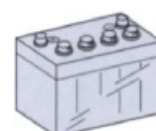
Fuel Filter



- 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



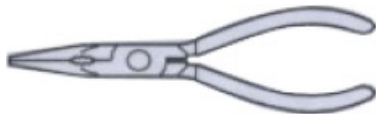
Phillips Screw Driver



Awl



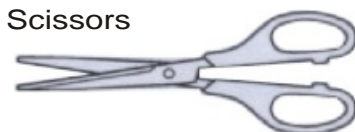
Needle Nose Pliers



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!

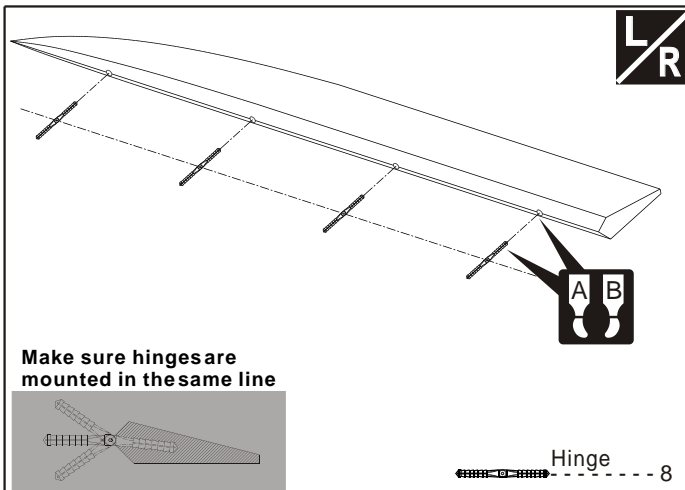
Do not overlook this symbol.



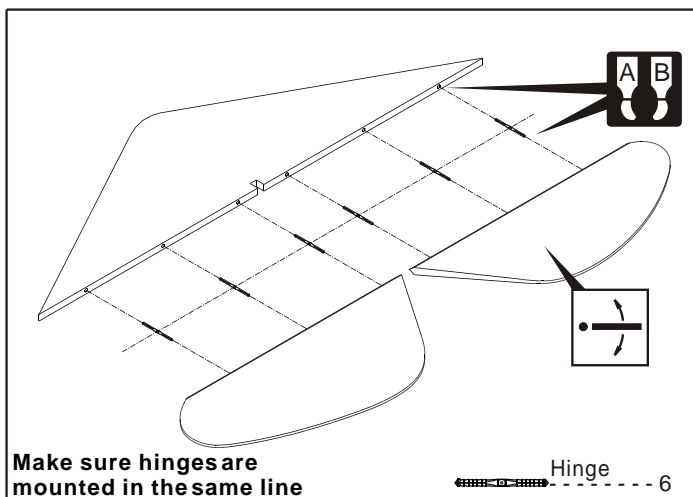
## Accessory list for this page.

Hinge ..... 17

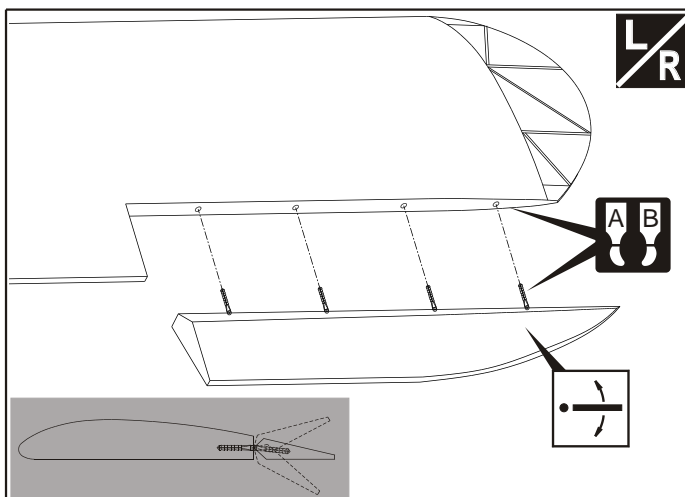
## 3 Aileron hinge installation



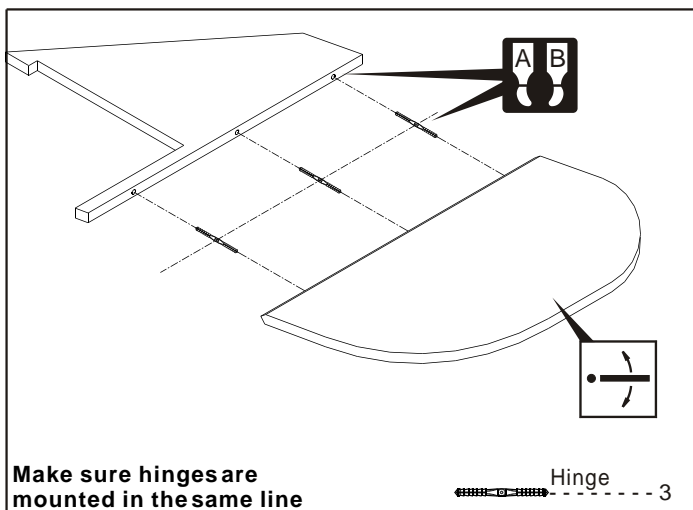
## 1 Elevator hinge installation



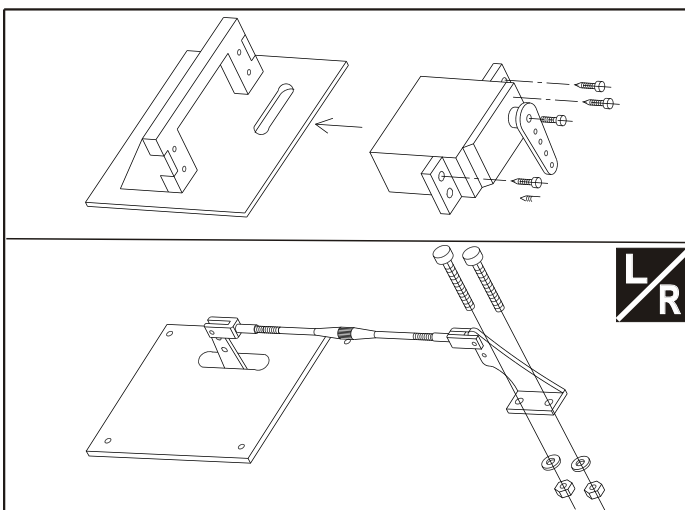
## 4 Aileron hinge installation



## 2 Rudder hinge installation



## 5 Install the aileron servo.



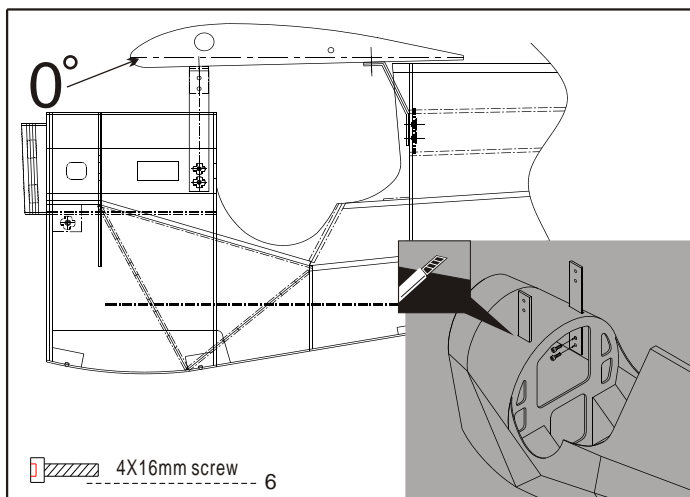


## Accessory list for this page.

	2.6X12mm Tp screw	8
	2.5X85mm rod	2
	3X30mm screw	4
	Rod adjuster	4
	Horn	2
	3mm Lock nut	4
	3mm Washer	4
	4X25mm screw	4
	4X16mm screw	11
	4mm Lock nut	4

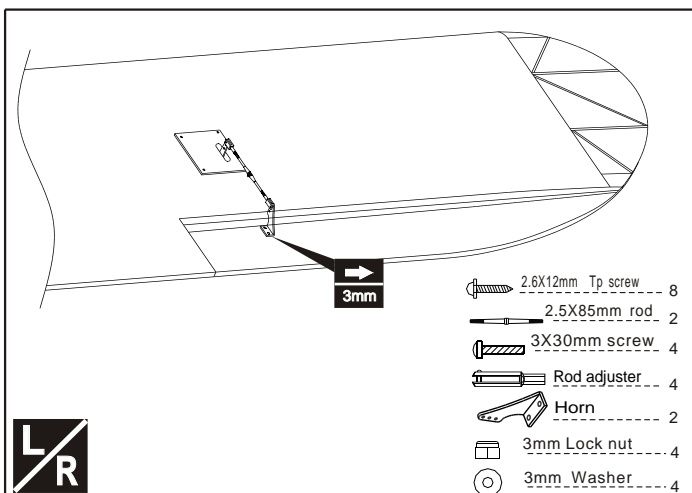
8

## Main wing(0 degrees) You can choose one of the installation method



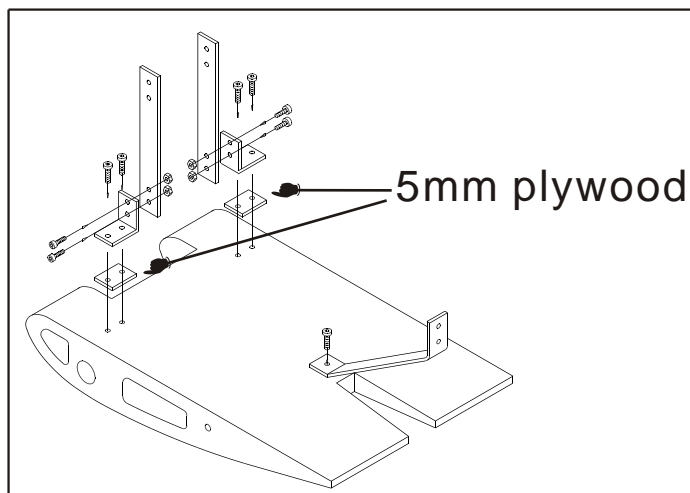
6

## Install the Aileron servo



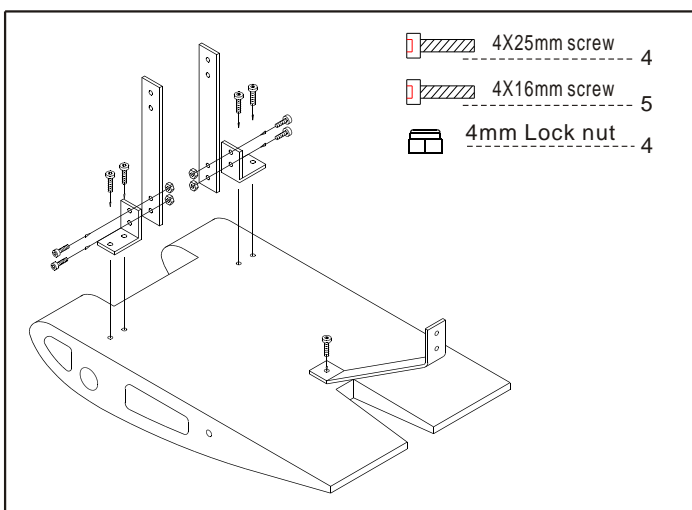
9

## Main wing(2 degrees) You can choose one of the installation method



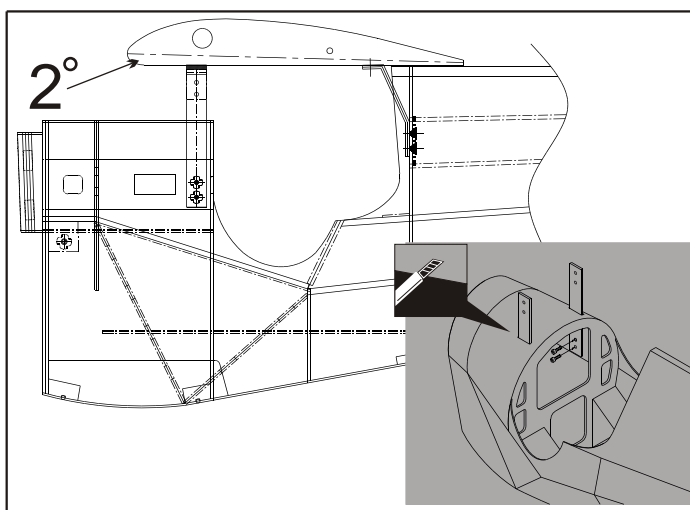
7

## Main wing(0 degrees) You can choose one of the installation method



10

## Main wing(2 degrees) You can choose one of the installation method

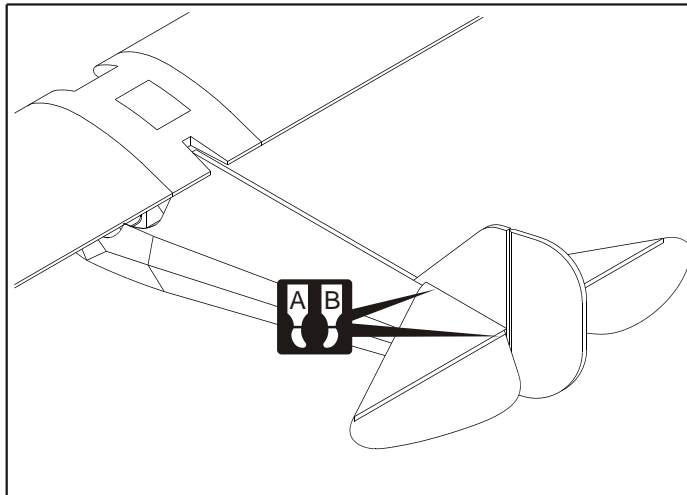




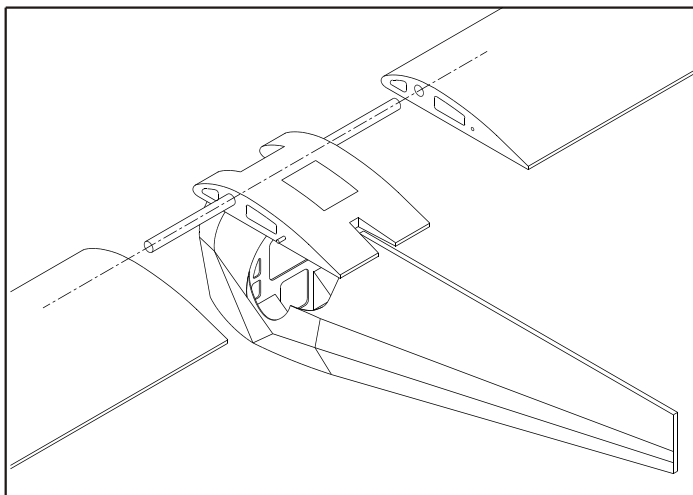
## Accessory list for this page.

	2.5X985mm rod	2
	3X18mm screw	4
	Rod adjuster	4
	Horn	2
	3mm Lock nut	4
	3mm Washer	4
	4X40mm screw	2
	4mm Washer	2

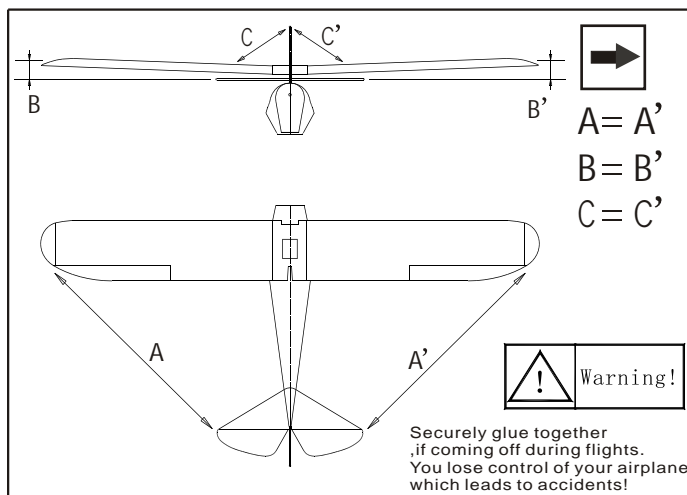
## 13 Horizontal/Vertical tail



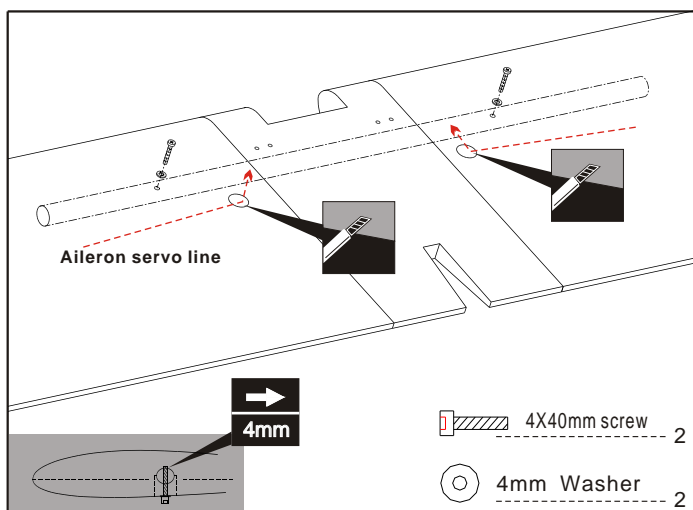
## 11 Main wing



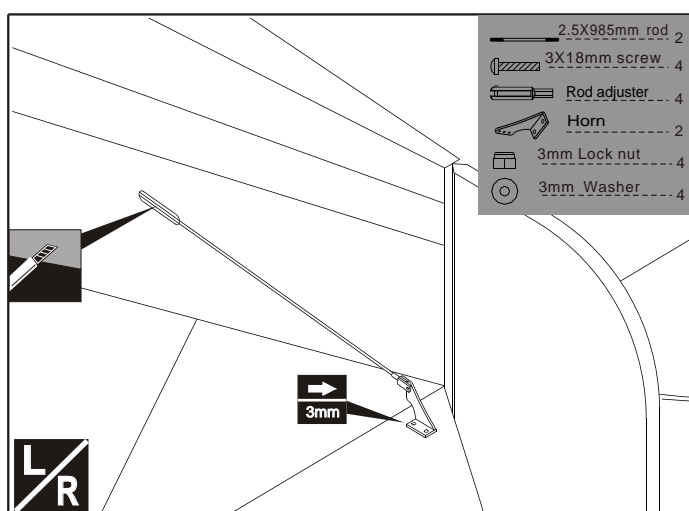
## 6 Horizontal/Vertical tail



## 12 Main wing



## 15 Install the elevator servo







## Accessory list for this page.

3X18mm screw	2	Pressure plate	4	3.2mm Nylon Collar	1
3mm Lock nut	2	3X20mm Tp.screw	11	3.2mm Collar	2
3mm Washer	2	5.2mm Collar	2	Spring	2
Rod adjuster	4	5.2mm Nylon collar	2	6mm nut	1
Horn	2	3mm screw	5	6X9 screw	1
1300mm Steel wire	2	4mm screw	4	3.2mm Rocker	1
Rod	4	5X50mm screw	2	5mm Sponge Washers	2
Aluminium tube	4				

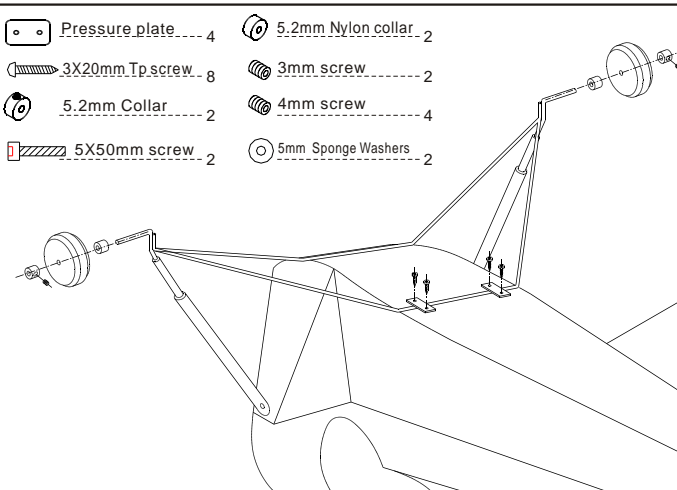
## 18 Install the rudder servo



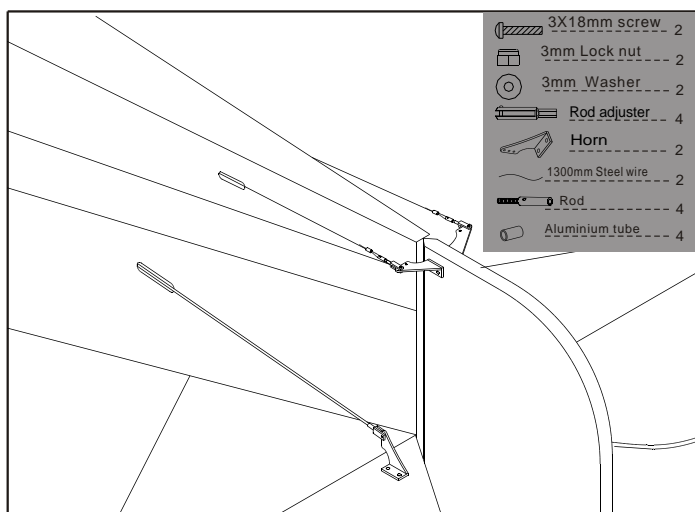
## 16 Install the elevator servo



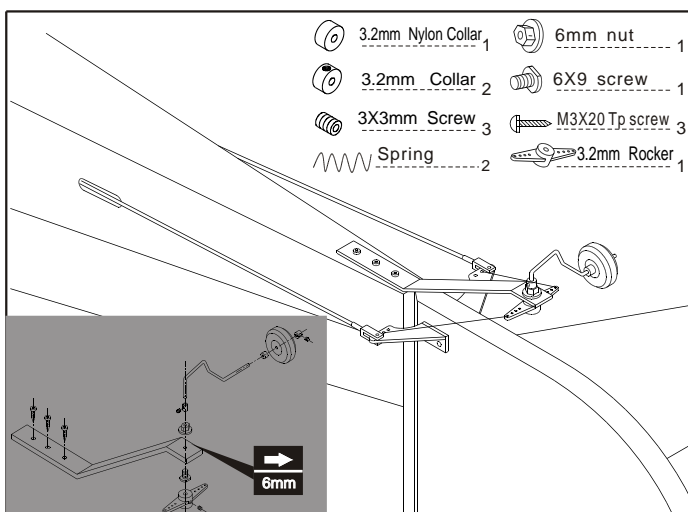
## 19 Install the landing gear



## 17 Install the rudder servo



## 20 Install the tail wheel

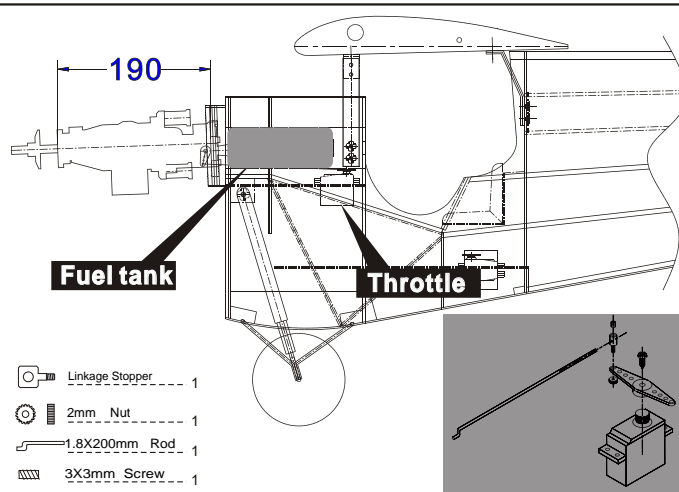




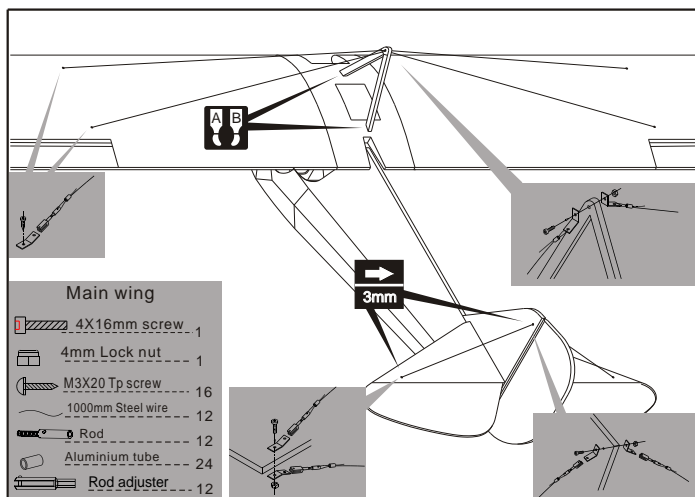
## Accessory list for this page.

3X16mm screw	3	Aluminium tube	32
3mm Lock nut	3	Rod adjuster	20
4X16mm screw	1	Linkage Stopper	1
4mm Lock nut	1	2mm Nut	1
M3X20 Tp screw	18	1.8X200mm Rod	1
1000mm Steel wire	16	3X3mm Screw	1
Rod	20		

## 23 Install the engine(SAITO FG57TS )

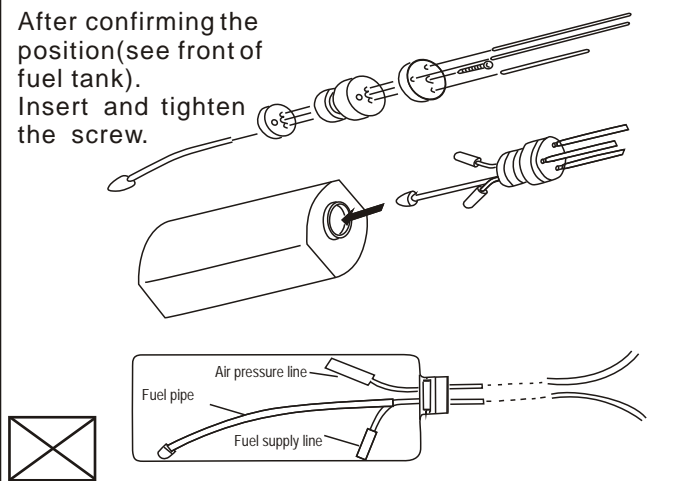


## 21 Install the Steel wire

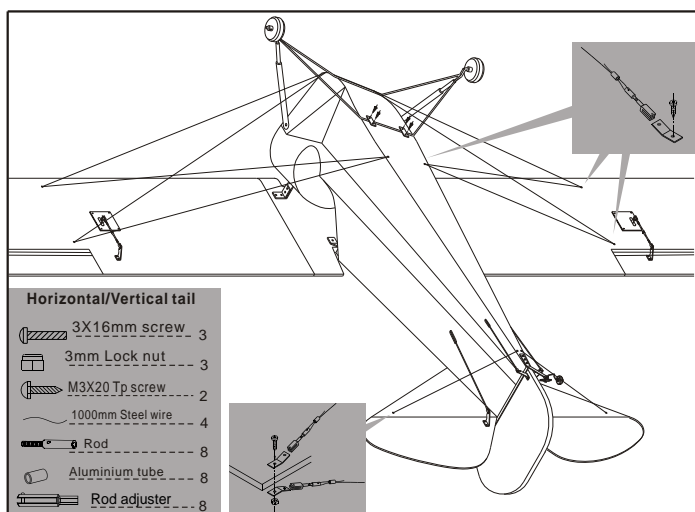


## 24 Install the fuel tank

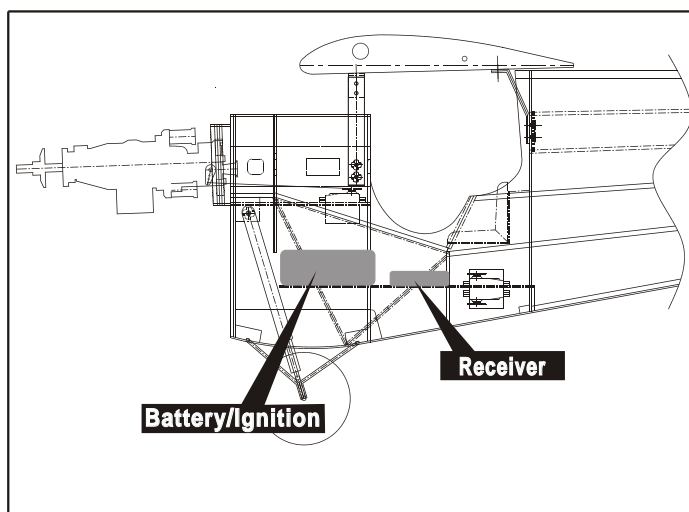
After confirming the position(see front of fuel tank).  
Insert and tighten the screw.



## 22 Install the Steel wire



## 25 Radio Equipment





## Accessory list for this page.

2.3X8mm Tp screw



----- 18

3X14mm screw



----- 13

3mm Washer



----- 13

3mm rubber band



----- 13

3mm Bind nut



----- 6

6mm Playwood

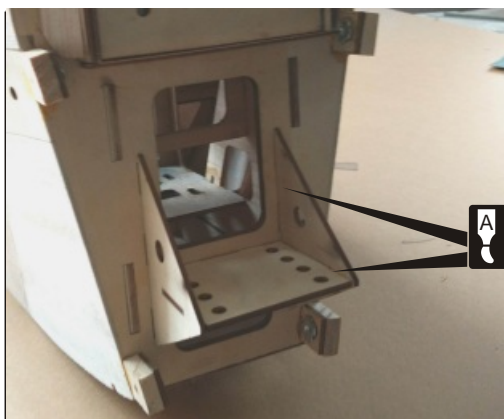


----- 6

## 28 Install the canopy



## 26 Adjust the CG



Here, you can increase the weight

## 29 Install the canopy



2.3X8mm Tp screw



----- 8

## 27 Install the canopy



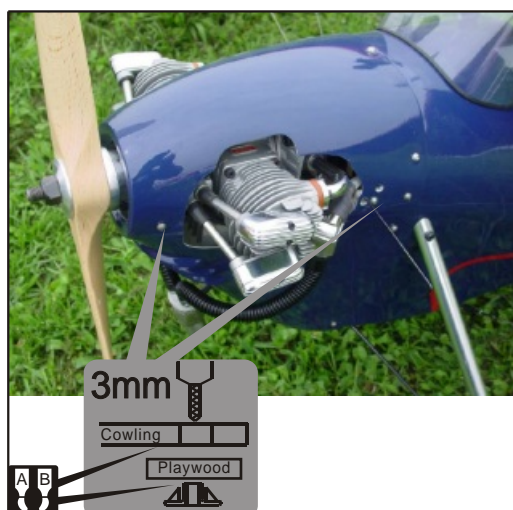
There are two options, select according to the mounting angle of the wing

2.3X8mm Tp screw



----- 10

## 30 Install the cowling



3X14mm screw



----- 13

3mm Washer



----- 13

3mm rubber band



----- 13

3mm Bind nut



----- 6

6mm Playwood



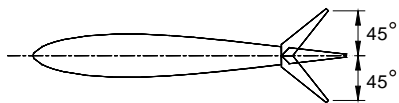
----- 6



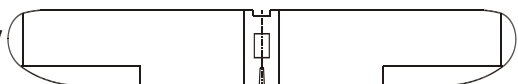
## 31 Adjustment.

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.

**Wing**  
Side view



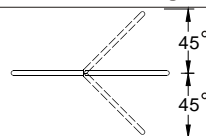
**Top view**



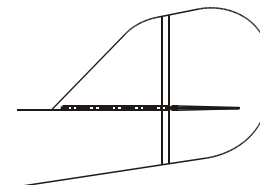
## 33 Adjustment

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



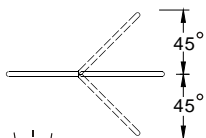
**Top view**



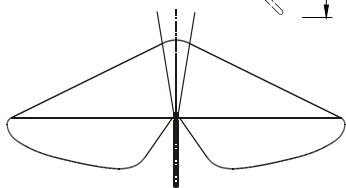
## 32 Adjustment.

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

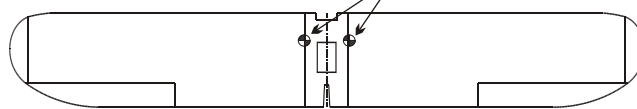
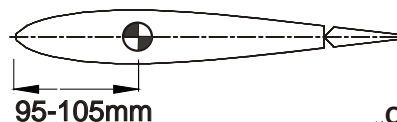


**Top view**



## 34 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.