

Before commencing assembly, please read these instructions thoroughly.

**ALMOST - READY - TO - FLY**



# Macchi MC-205 veltro



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: 2485 mm (98 in)

Wing Area: 79 dm<sup>2</sup> (1225 sq. in)

Total Length: 2075 mm (81.5 in)

Engine : 80-100cc gas engine

Radio : 6 channels , 9 servos

# REQUIRED FOR OPERATION (Purchase separately)

- 1 A minimum 5channel radio for airplanes (with 8/9servos). And dry batteries.

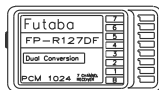


CAUTION: Only use a minimum 5channel radio for airplanes! (No other radio may be used!)

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) 



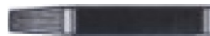
- 3 Servo(need 8/9 servos) 


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



Muffler

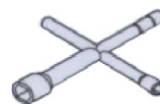


- 5 Glue     
Epoxy Glue Instant glue

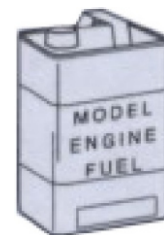
- 6 required for engine starting  
 WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump



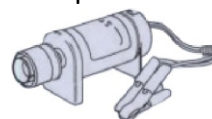
Plug Wrench



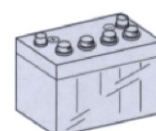
Glow engine fuel only.

- 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 

## TOOLS REQUIRED ( Purchase separately)

Sharp Hobby Knife



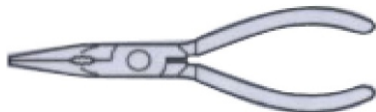
Phillips Screw Driver



Awl



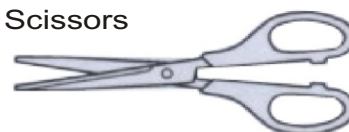
Needle Nose Pliers



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.

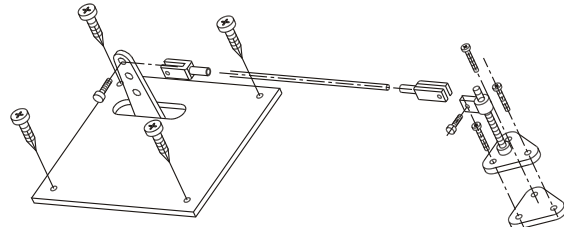
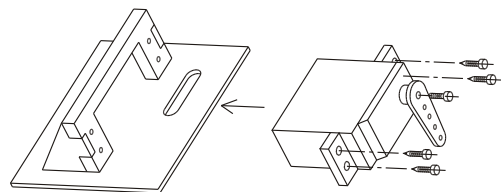


## Accessory list for this page.

	HORN	----	4		Rod adjuster	----	8
	Connecting rod head	----	2		2X10mm screw	----	4
	4X30 Screw	----	4		2.5X85mm rod	----	4
	2.3X10mm Tp screw	----	4		Hinge	----	8
	3X35mm screw	----	16		Hinge	----	4
	3X20mm screw	----	6				
	3X20mm screw	----	8				

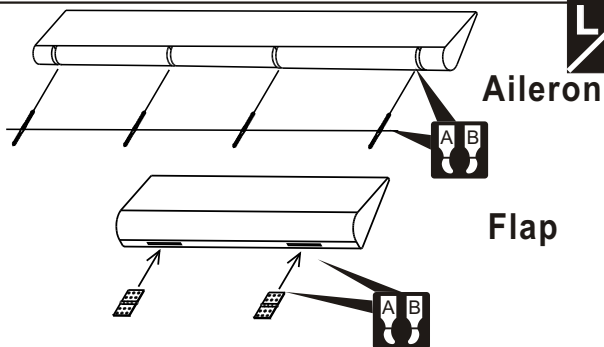
## 3 Install the servo

L/R

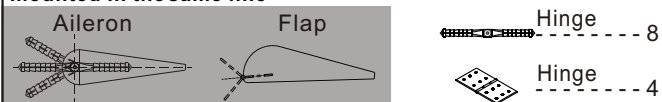


## 1 Install the aileron and flap

L/R

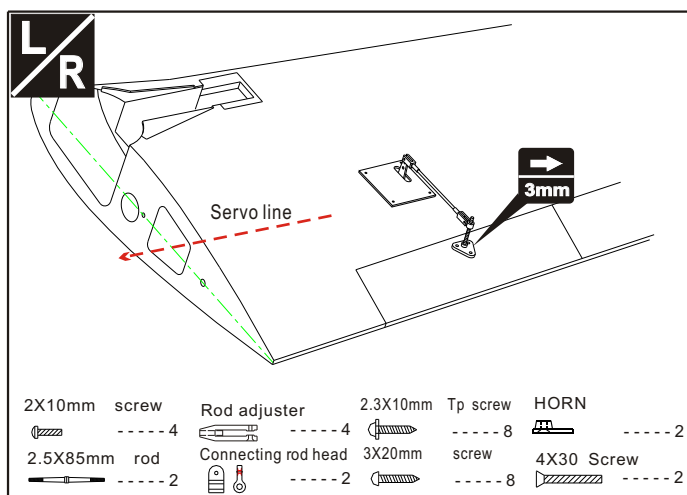


Make sure hinges are mounted in the same line



## 4 Install the servo of flap

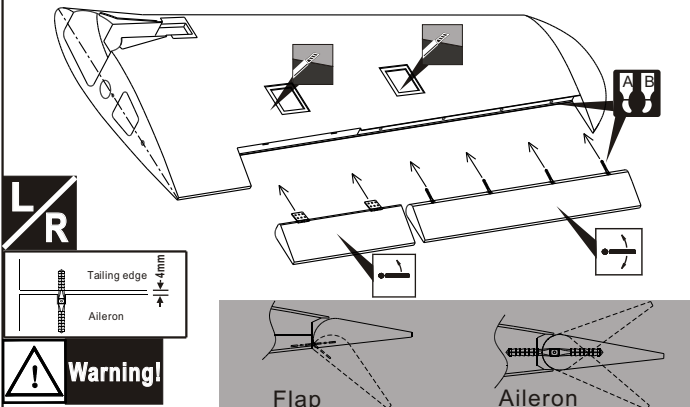
L/R



2X10mm screw	----	4	Rod adjuster	----	4	2.3X10mm Tp screw	----	8	HORN	----	2
2.5X85mm rod	----	2	Connecting rod head	----	2	3X20mm screw	----	8	4X30 Screw	----	2

## 2 Install the aileron and flap

Bottom view

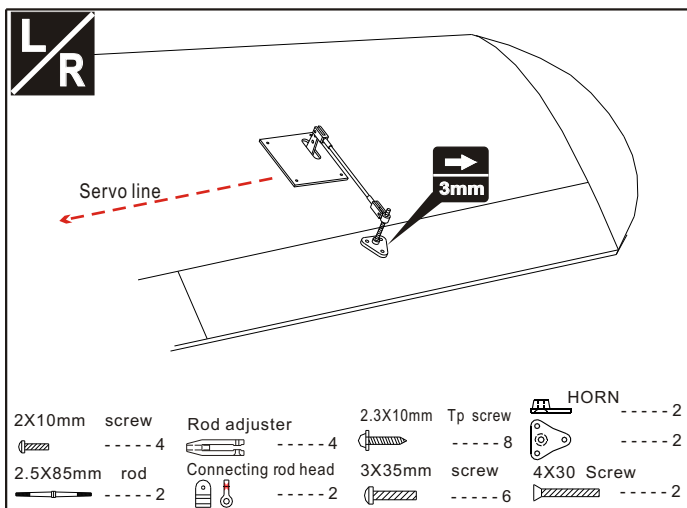


**Warning!**

Securely glue together. If coming off during flights, you'll lose control of your airplane which leads to accidents!

## 5 Install the servo of aileron

L/R



2X10mm screw	----	4	Rod adjuster	----	4	2.3X10mm Tp screw	----	8	HORN	----	2
2.5X85mm rod	----	2	Connecting rod head	----	2	3X35mm screw	----	6	4X30 Screw	----	2



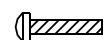
## Accessory list for this page.

2.3X10mm Tp screw



----- 8

3X25mm screw



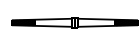
----- 6

2X8mm screw



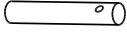
----- 4

2.5X85mm rod



----- 2

8X60 tube



----- 1

HORN

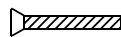


----- 2



----- 2

4X30 Screw



----- 2

Rod adjuster



----- 4

Connecting rod head



----- 2

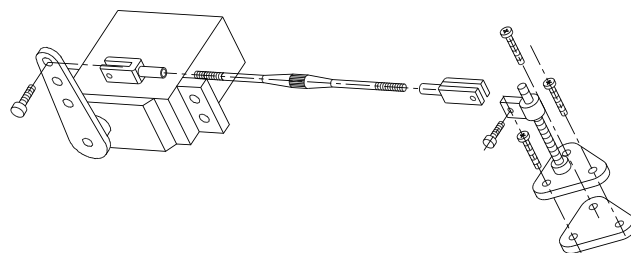
Hinge



----- 8

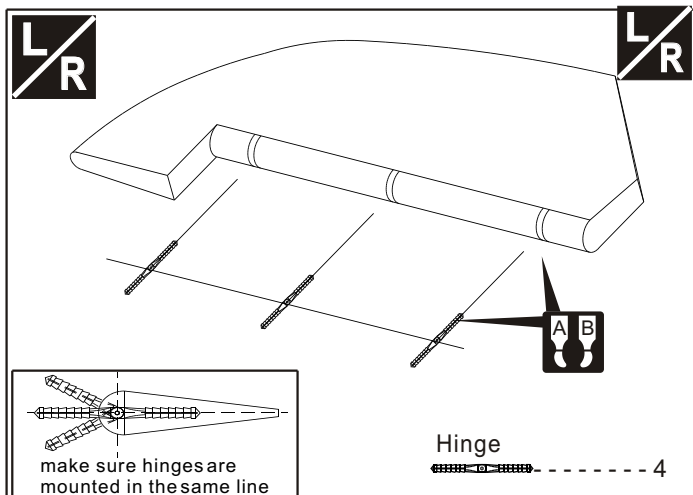
# 8

## Install the elevator servos



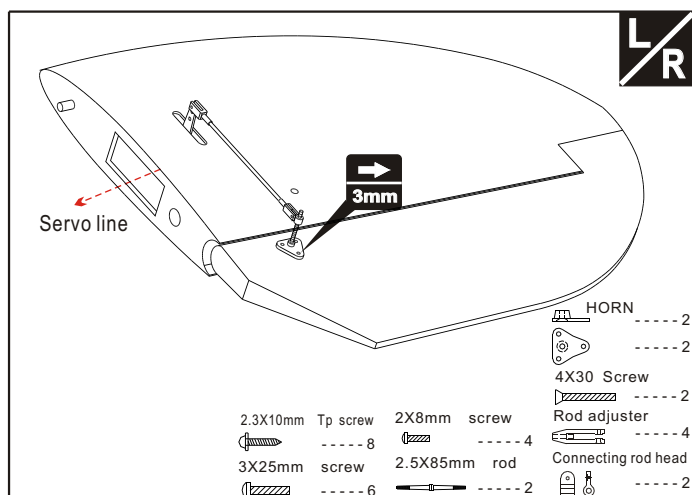
# 6

## Install the elevator



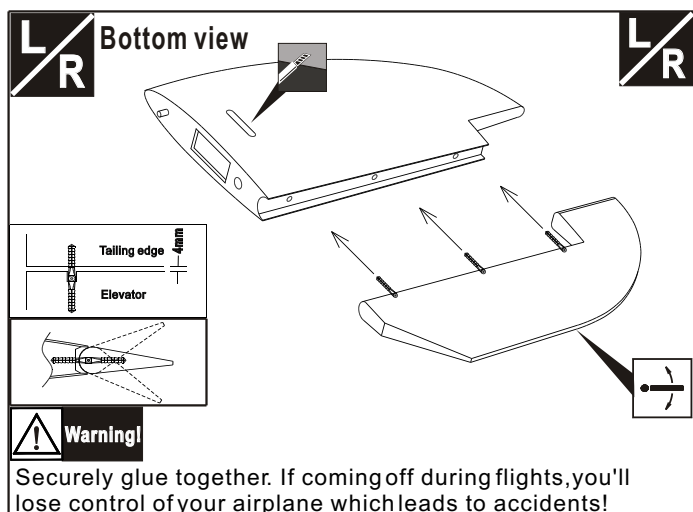
# 9

## Install the elevator servos



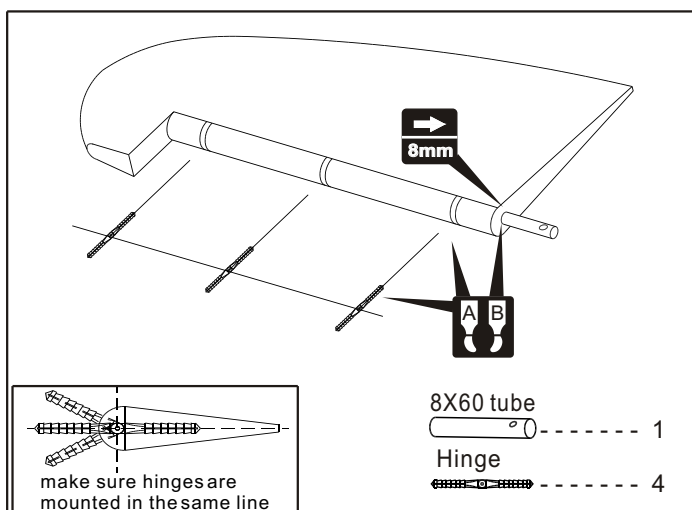
# 7

## Install the elevator



# 10

## Install the rudder

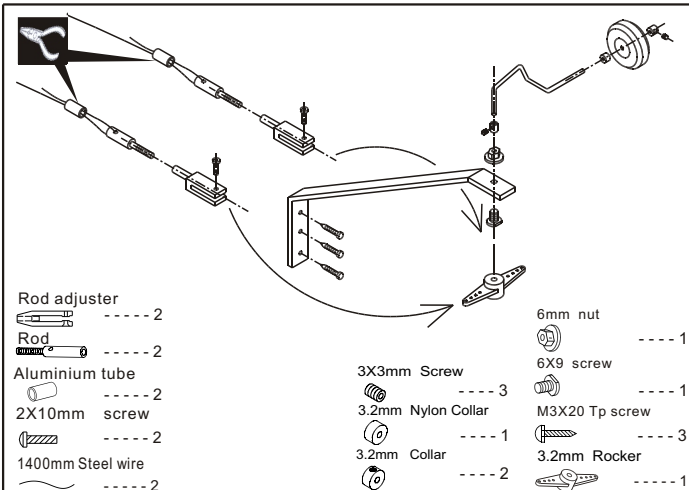




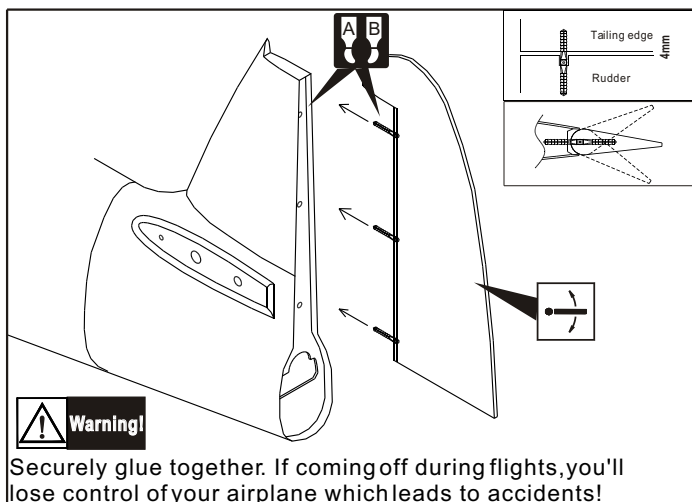
## Accessory list for this page.

Rod adjuster	6mm nut
Connecting rod head	6X9 screw
Rod	M3X20 Tp screw
Aluminium tube	3.2mm Rocker
2X10mm screw	3X3mm Screw
4X40mm screw	3.2mm Nylon Collar
4mm nut	3.2mm Collar
1400mm Steel wire	2.3X10Tp screw

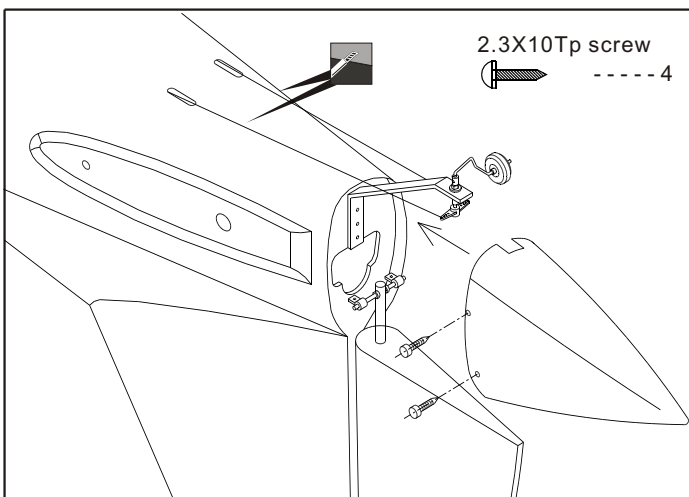
## 13 Install the tail wheel



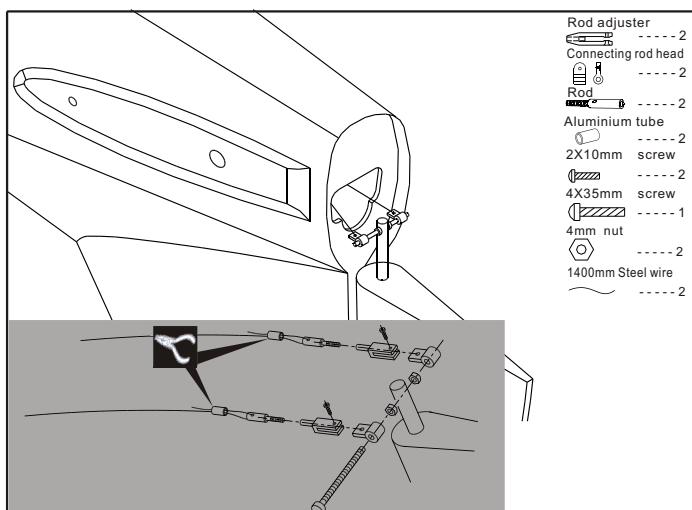
## 11 Install the rudder



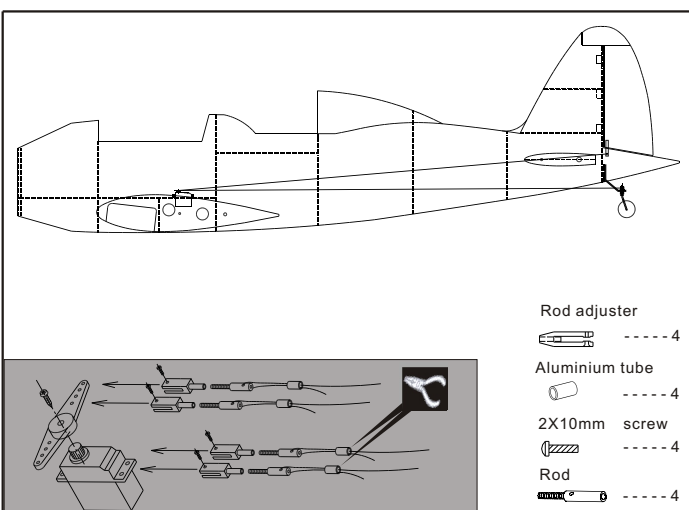
## 14 Install the tail wheel



## 12 Install the rudder servos



## 15 Install the servos of rudder&tail wheel



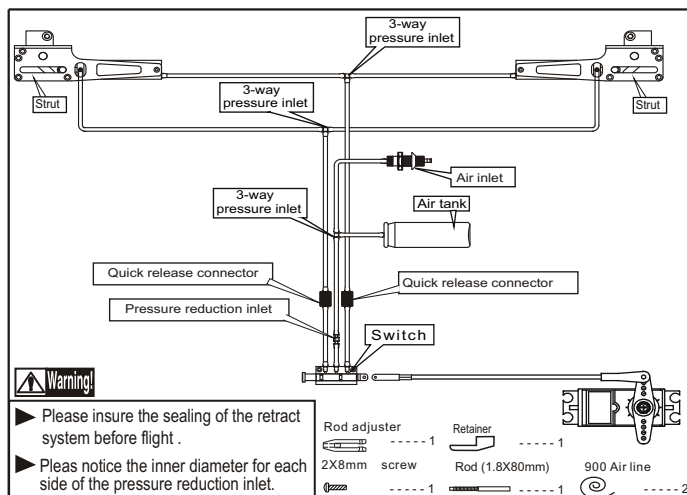




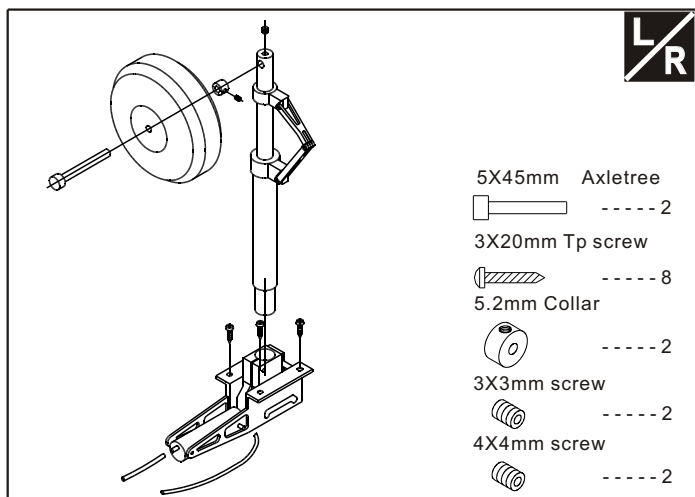
## Accessory list for this page.

5X45mm Axletree	Plywood
3X20mm Tp screw	Plywood
5.2mm Collar	4X4mm screw
3X3mm screw	5X30mm screw
8mm nylon Nut	Retainer
Rod adjuster	Rod (1.8X80mm)
2X8mm screw	900 Air line

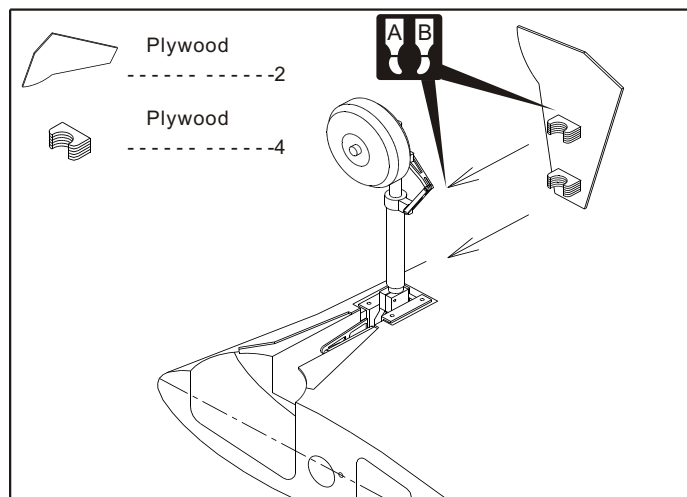
## 18 Install the main landing gear



## 16 Install the main landing gear

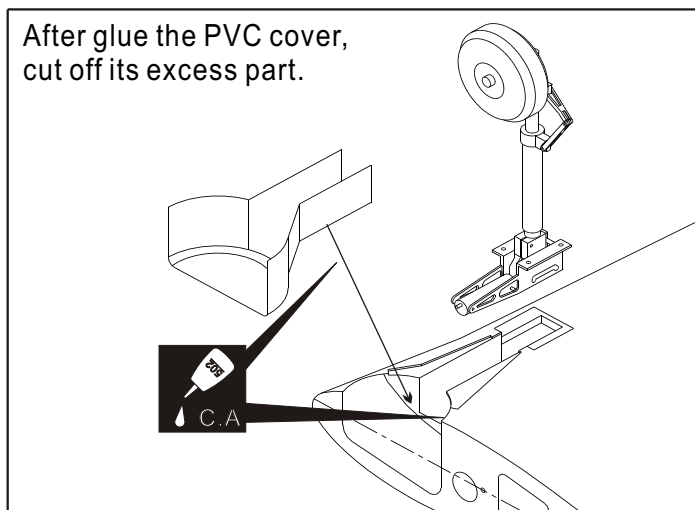


## 19 Install the main landing gear

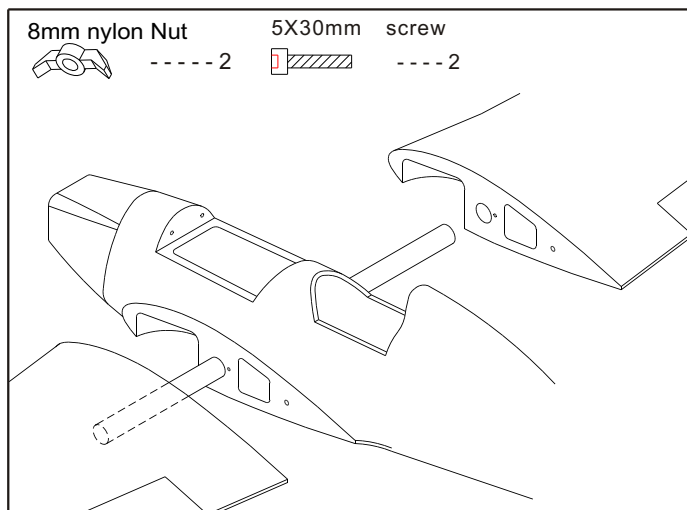


## 17 Install the main landing gear

After glue the PVC cover, cut off its excess part.



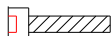
## 20 Main wing (Put the servo into the fuselage)





## Accessory list for this page.

4X25mm screw



----- 2

4mm Washer



----- 2

Linkage Stopper



----- 1

1.8X400mm Rod



----- 1

2mm Nut



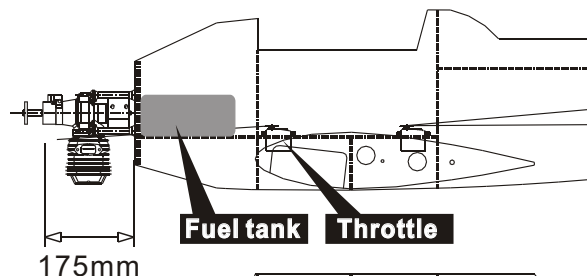
----- 1

3X3mm Screw

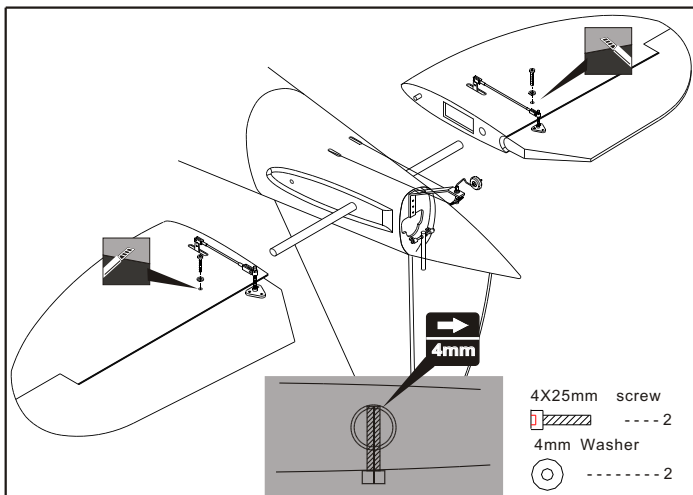


----- 1

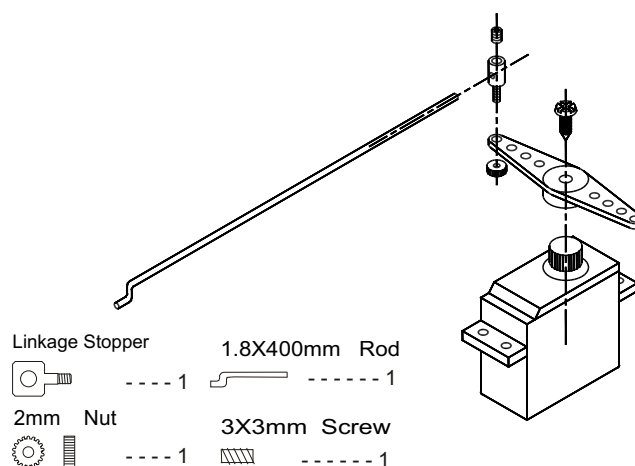
## 23 Installing the engine (50-80cc)



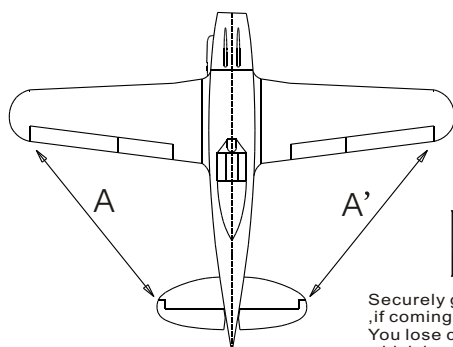
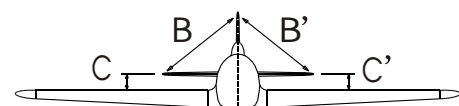
## 21 Horizontal (Put the servo into the fuselage)



## 24 Install the throttle servo



## 22 Main wing&Horizontal/Vertical tail



A=A'  
B=B'  
C=C'

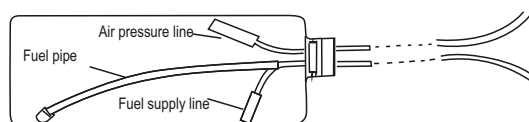
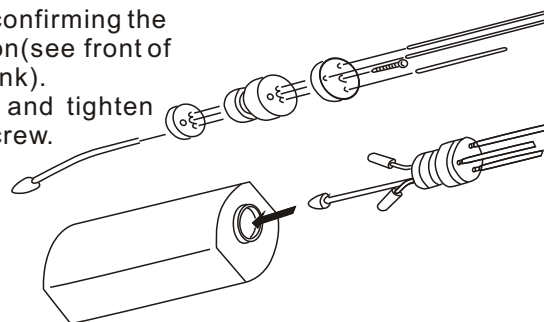


Warning!

Securely glue together, if coming off during flights. You lose control of your airplane which leads to accidents!

## 25 Assembly of the full tank

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





## Accessory list for this page.

3X16mm screw



----- 6

3mm Bind nut



----- 6

3X30mm screw



----- 2

2.3X10mm Tp screw



----- 8

6mm Playwood



----- 6

3mm Washer



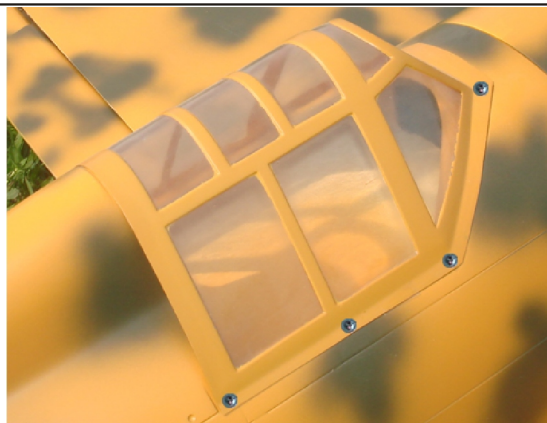
----- 8

3mm rubber band



----- 8

## 28 Install the canopy

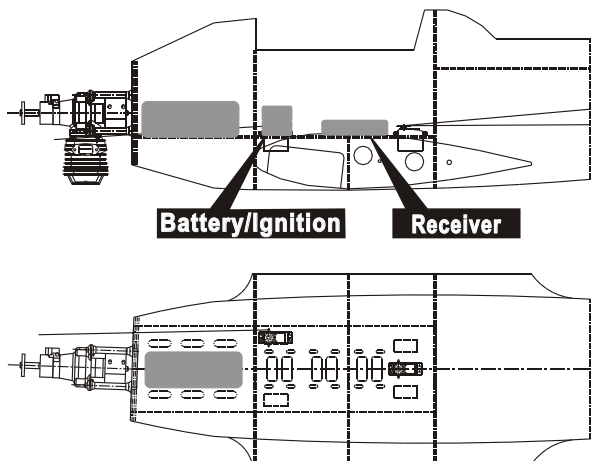


2.3X10mm Tp screw

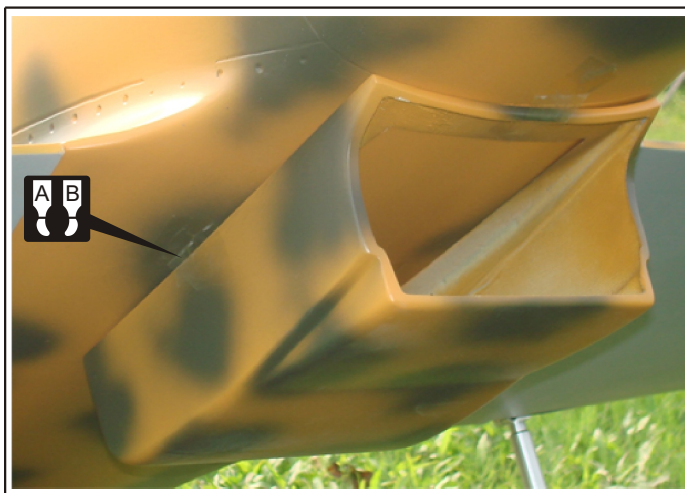


----- 8

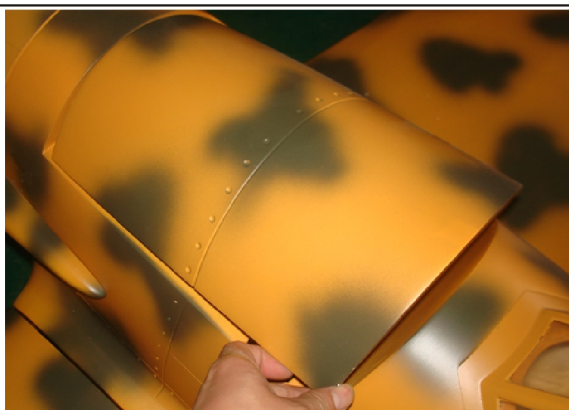
## 26 Radio Equipment



## 29 Install the thr ornamental



## 27 Install the canopy



3X30mm screw



----- 2

3mm Washer



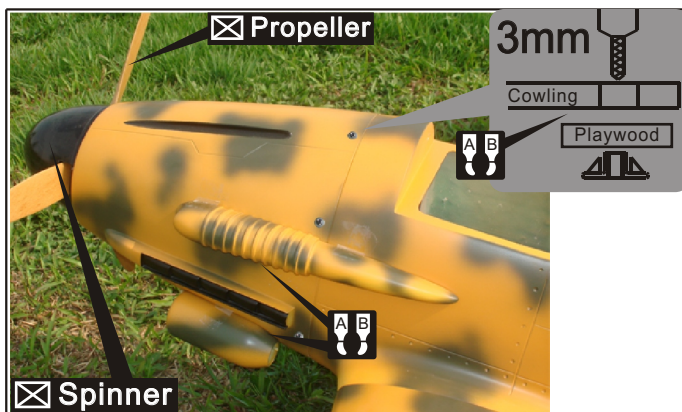
----- 2

3mm rubber band



----- 2

## 30 Install the thr cowling



3X16mm screw



----- 6

3mm Bind nut



----- 6

3mm Washer



----- 6

3mm rubber band



----- 6

6mm Playwood

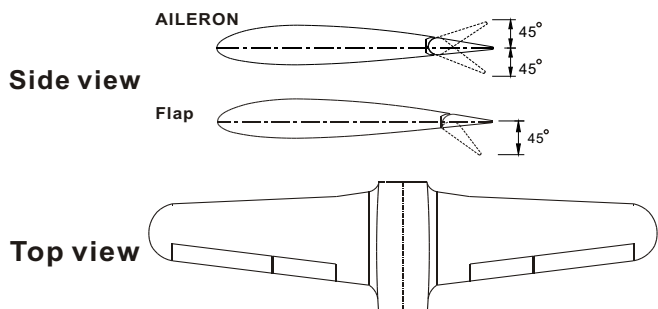


----- 6



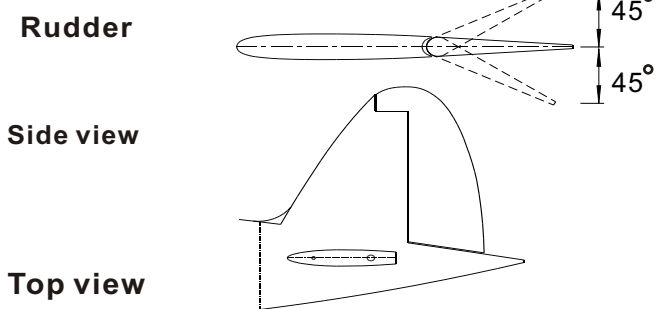
## 31 Adjustment.

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.



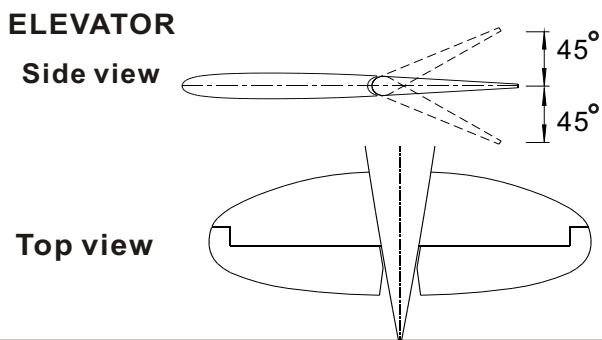
## 33 Adjustment

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.



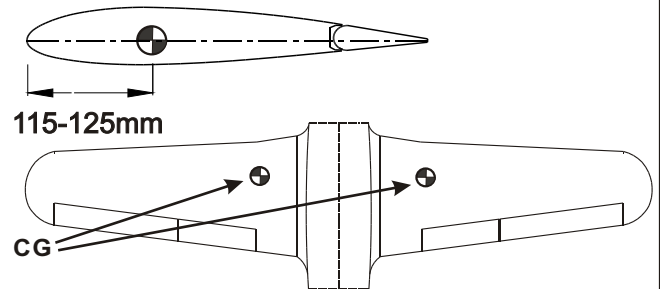
## 32 Adjustment.

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.



## 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.**