

Before commencing assembly, please read these instructions thoroughly.

ALMOST - READY - TO - FLY



ME-109F



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: 2440mm (96in)
Wing Area: 89.5dm² (1387.6sq.in)
Total Length: 2035 mm (80 in)
Engine :50-80cc gas engine
Radio : 6 channels ,9 servos

REQUIRED FOR OPERATION (Purchase separately)

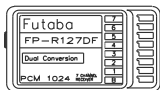
- 1** A minimum 6channel radio for airplanes (with 9servos).
And dry batteries.

 **CAUTION:** Only use a minimum 6channel radio for airplanes! (No other radio may be used!)

A minimum 6 channel transmitter for airplanes.



12 AA-size Batteries




receiver



remote control

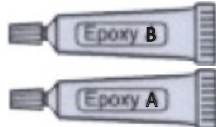


For handing the radio properly, refer to its instruction manual.


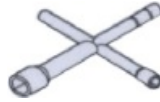
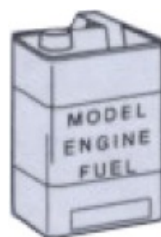

- 2** Battery (need 2)  Switch (need 2) 



- 3** Servo(need 9 servos) 

- 4** Engine and Muffler
Model Airplane engine:50-80cc gas 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.

- 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



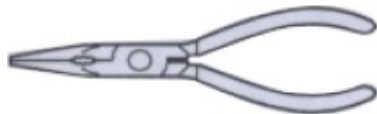
Phillips Screw Driver



Awl



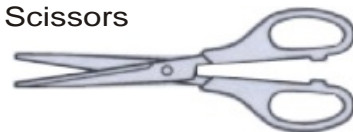
Needle Nose Pliers



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.

2.3X10mm Tp screw

----- 16

3X30mm screw

----- 6

2X8mm screw

----- 8

2.5X85mm rod

----- 4

Hinge

----- 8

3X12mm TP screw

----- 6

HORN ----- 4

----- 4

4X40 Screw

----- 4

Rod adjuster

----- 8

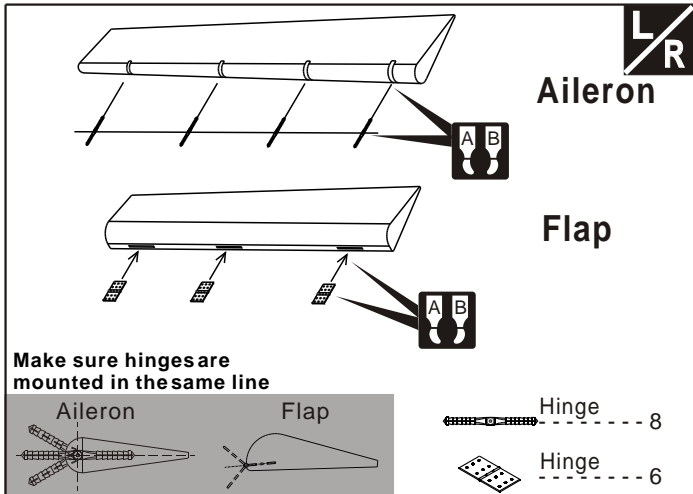
Connecting rod head

----- 8

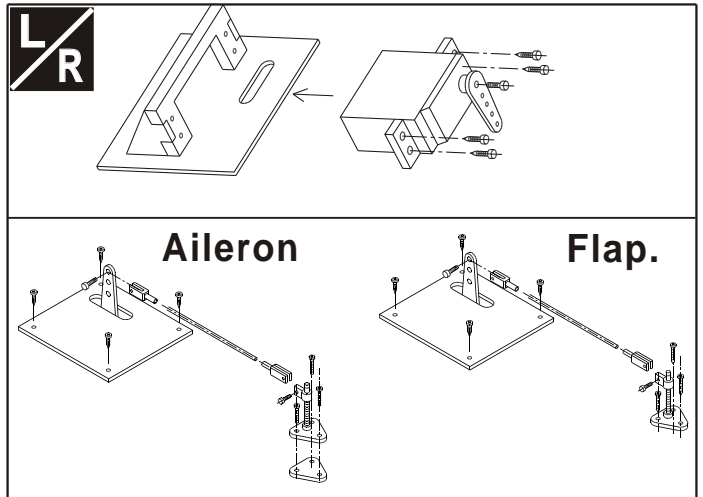
Hinge

----- 6

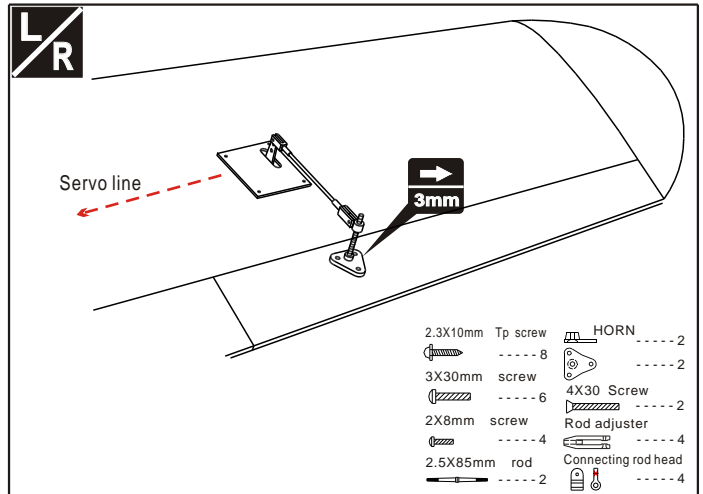
1 Install the aileron and flap



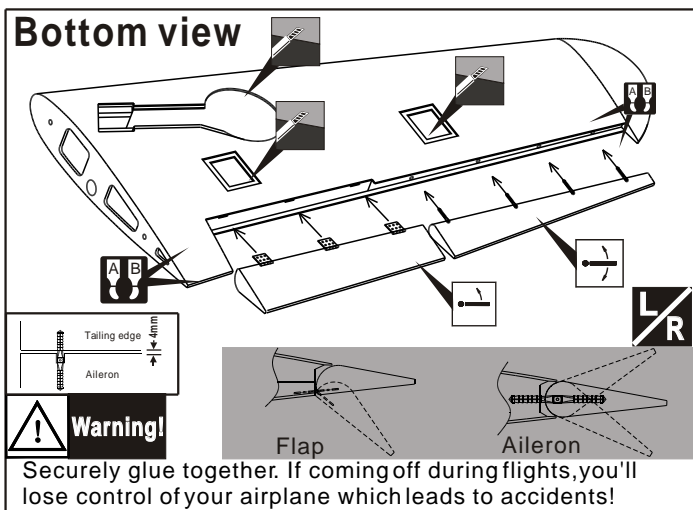
3 Install the servo



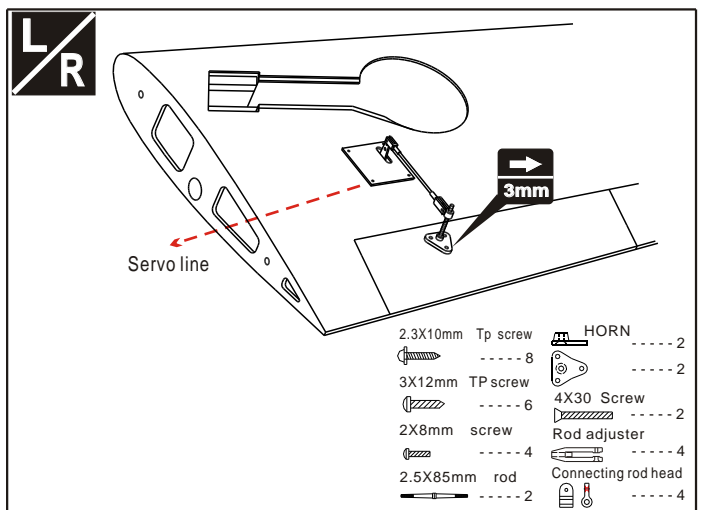
4 Install the servo of aileron



2 Install the aileron and flap



5 Install the servo of flap





Accessory list for this page.

2.3X10mm Tp screw

----- 8

3X30mm screw

----- 6

2X8mm screw

----- 4

2.5X85mm rod

----- 2

Hinge

----- 9

HORN

----- 2

----- 2

4X40 Screw

----- 2

Rod adjuster

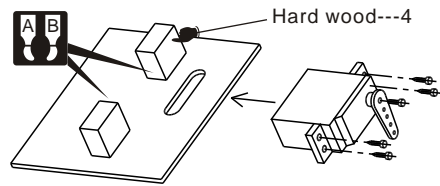
----- 4

Connecting rod head

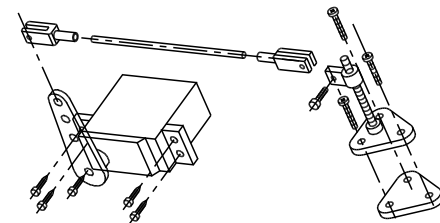
----- 2

8

Install the elevator servos



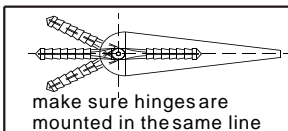
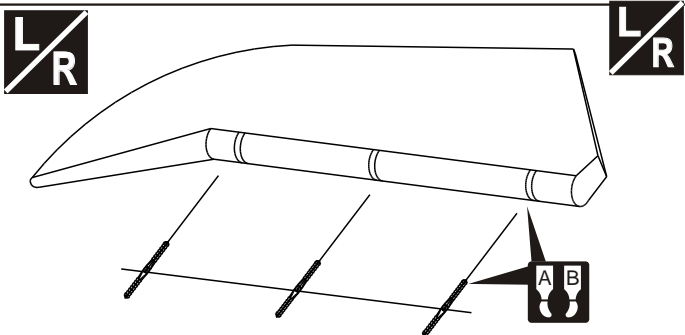
L/R



L/R

6

Install the elevator

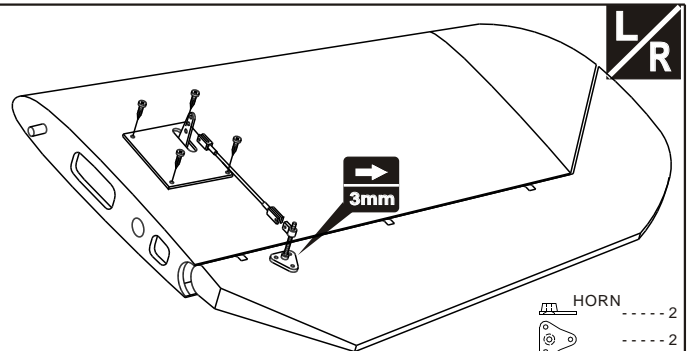


Hinge

----- 6

9

Install the elevator servos

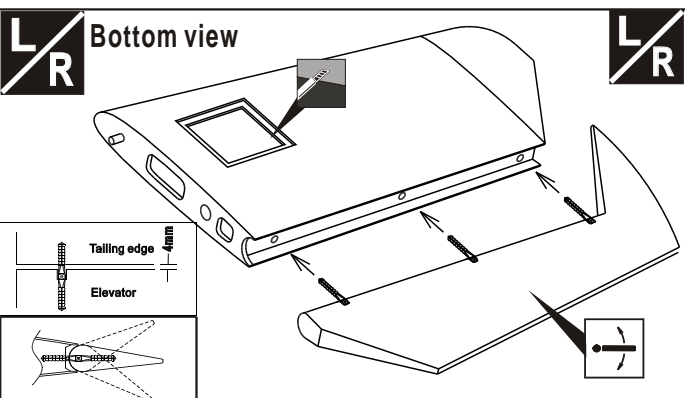


L/R

HORN	----- 2
HORN	----- 2
4X40 Screw	----- 2
Rod adjuster	----- 4
Connecting rod head	----- 4
2.3X10mm Tp screw	----- 8
2X8mm screw	----- 4
3X30mm screw	----- 4
2.5X85mm rod	----- 2
-----	----- 6
-----	----- 2
-----	----- 2

7

Install the elevator

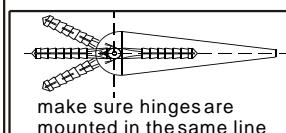
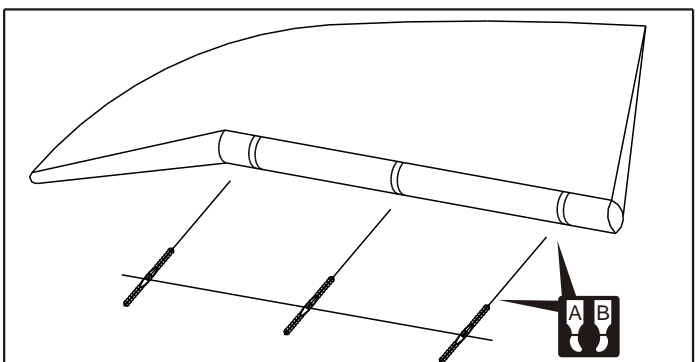


Warning!

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

10

Install the rudder



Hinge

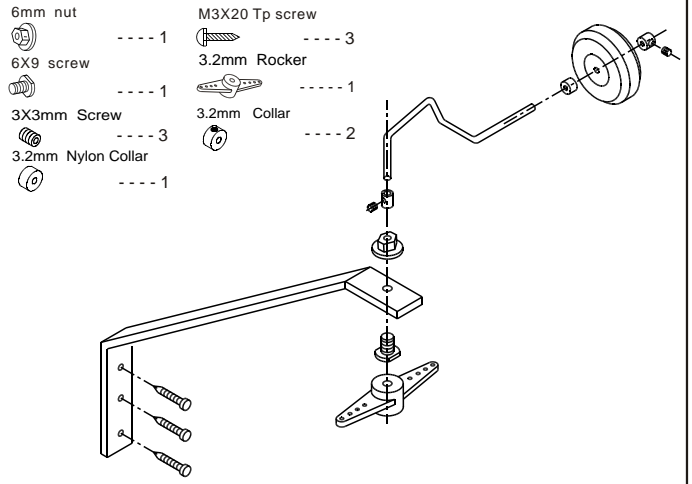
----- 3



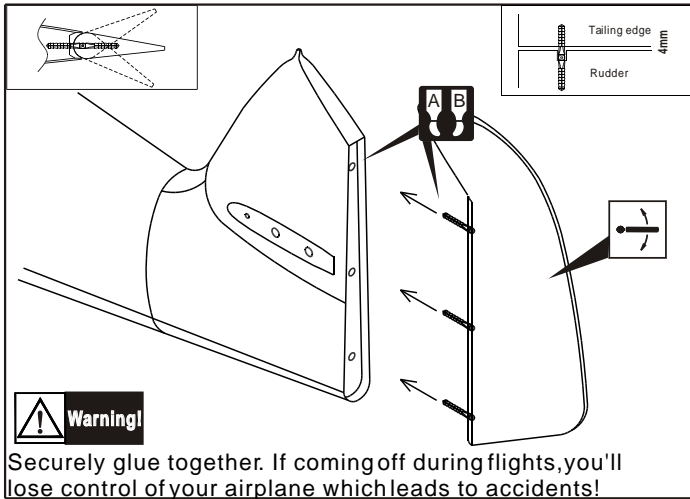
Accessory list for this page.

HORN ----- 2	6mm nut ----- 1
4X30 Screw ----- 2	6X9 screw ----- 1
Rod adjuster ----- 4	3X3mm Screw ----- 3
Connecting rod head ----- 2	3.2mm Nylon Collar ----- 1
Rod ----- 4	3.2mm Collar ----- 2
Aluminium tube ----- 4	80mm spring ----- 2
2X8mm screw ----- 4	M3X20 Tp screw ----- 3
3mm nut ----- 3	3.2mm Rocker ----- 1
3X45mm screw ----- 3	1300mm Steel wire ----- 2
3X45mm screw ----- 3	
1300mm Steel wire ----- 2	

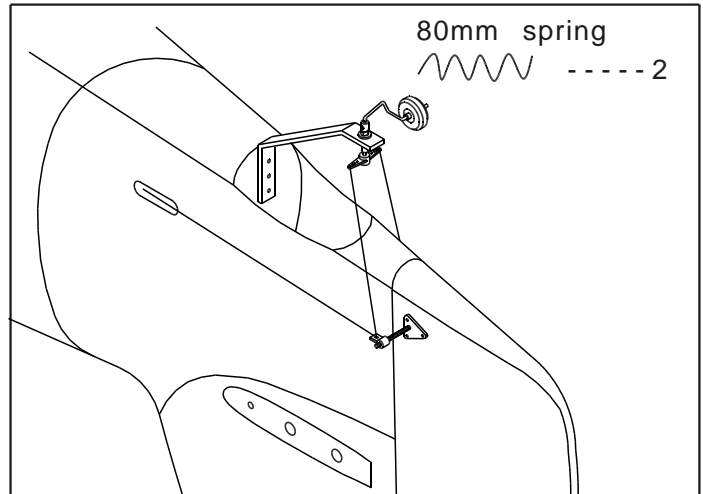
13 Install the tail wheel



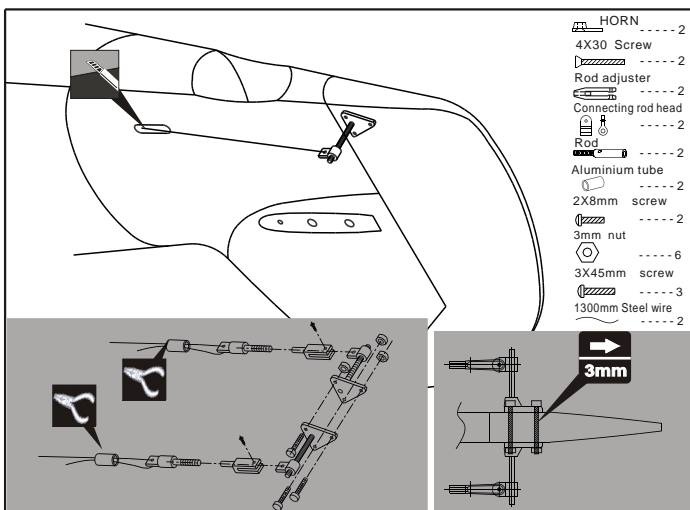
11 Install the rudder



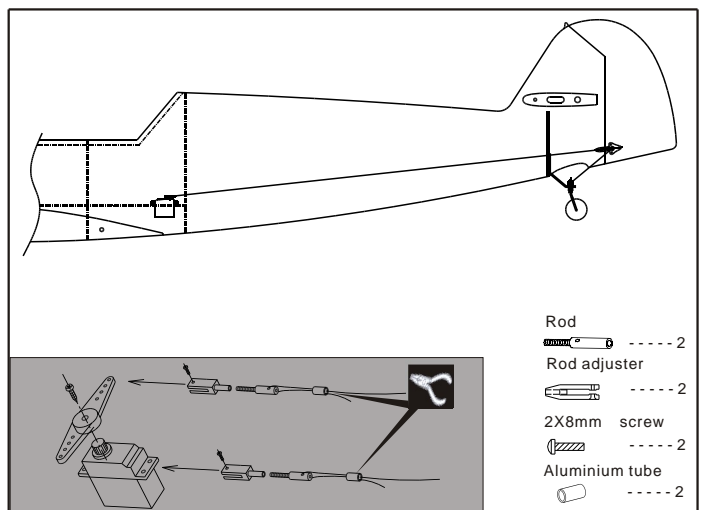
14 Install the tail wheel



12 Install the rudder servos



15 Install the servos of rudder & tail wheel





Accessory list for this page.

5X45mm Axletree



-----2

3X20mm Tp screw



-----8

5.2mm Collar



-----2

3X3mm screw



-----2

4X4mm screw



-----2

Play wood



-----2

Play wood



-----4

8mm nylon Nut



-----4

Rod adjuster



-----1

2X8mm screw



-----1

Retainer



-----1

Rod (1.8X80mm)



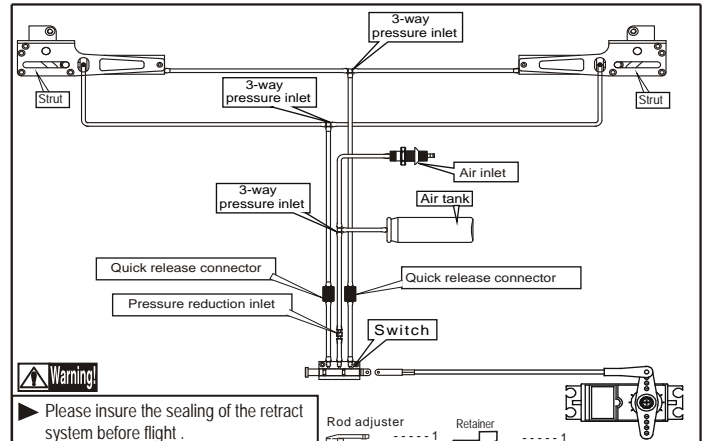
-----1

900 Air line



-----2

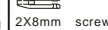
18 Install the main landing gear



▶ Please insure the sealing of the retract system before flight .

▶ Pleas notice the inner diameter for each side of the pressure reduction inlet.

Rod adjuster



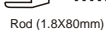
-----1

2X8mm screw



-----1

Retainer



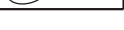
-----1

Rod (1.8X80mm)



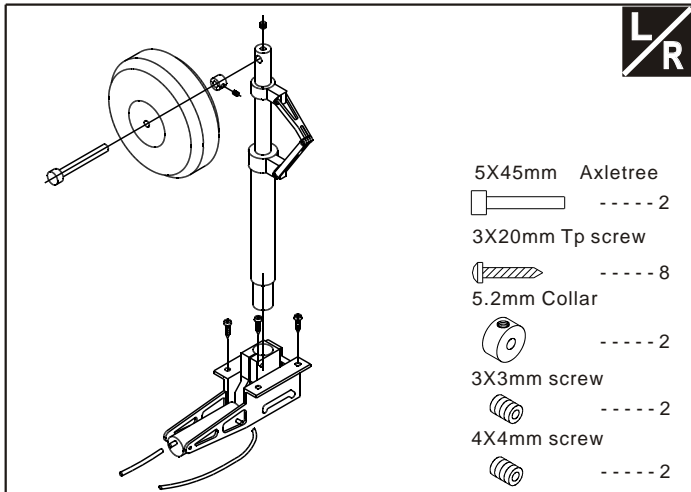
-----1

900 Air line



-----2

16 Install the main landing gear



5X45mm Axletree



-----2

3X20mm Tp screw



-----8

5.2mm Collar



-----2

3X3mm screw



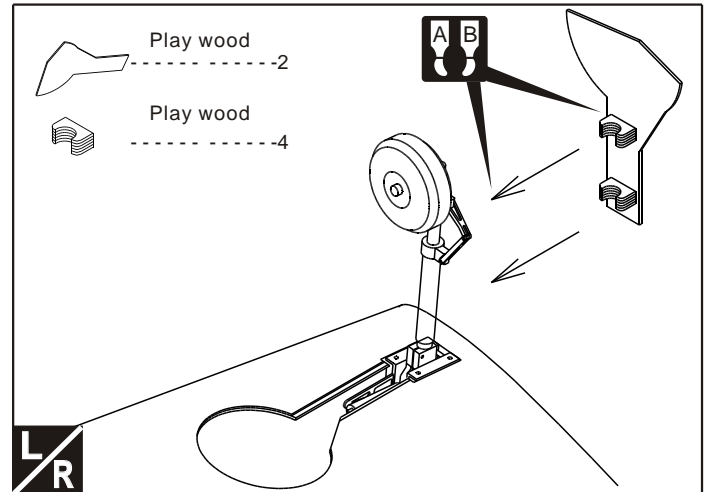
-----2

4X4mm screw



-----2

19 Install the main landing gear



Play wood



-----2

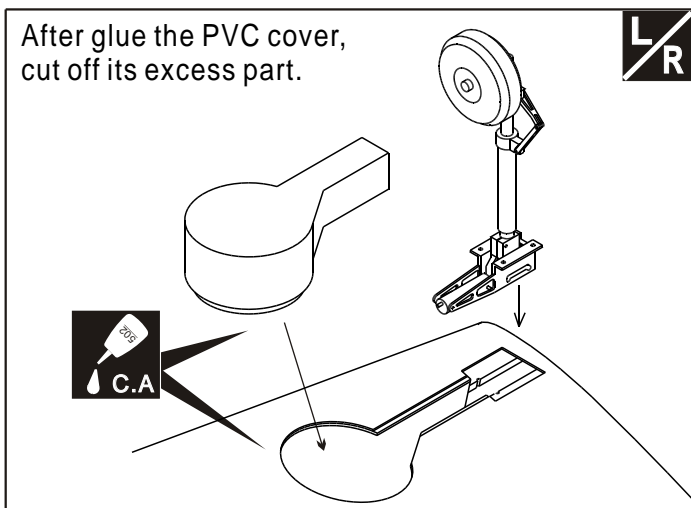
Play wood



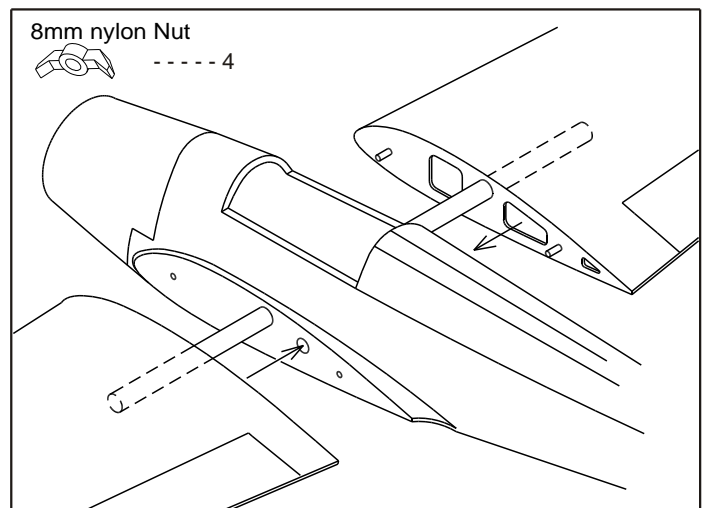
-----4

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)



8mm nylon Nut

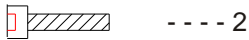


-----4



Accessory list for this page.

4X25mm screw



----- 2

4mm Washer



----- 2

Linkage Stopper



----- 1

1.8X200mm Rod



----- 1

2mm Nut



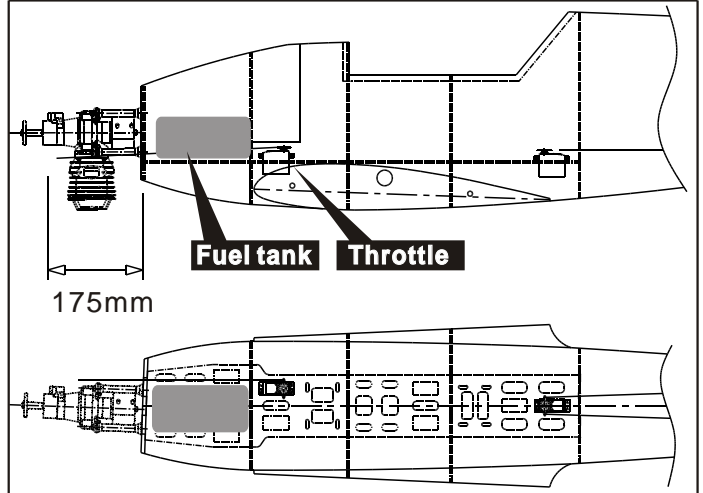
----- 1

3X3mm Screw

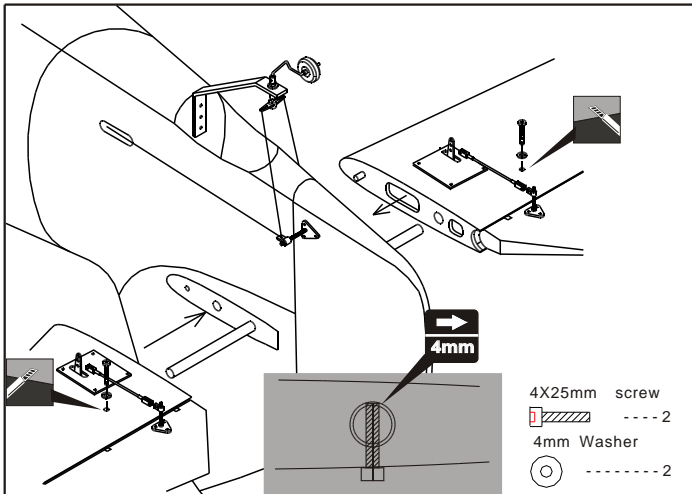


----- 1

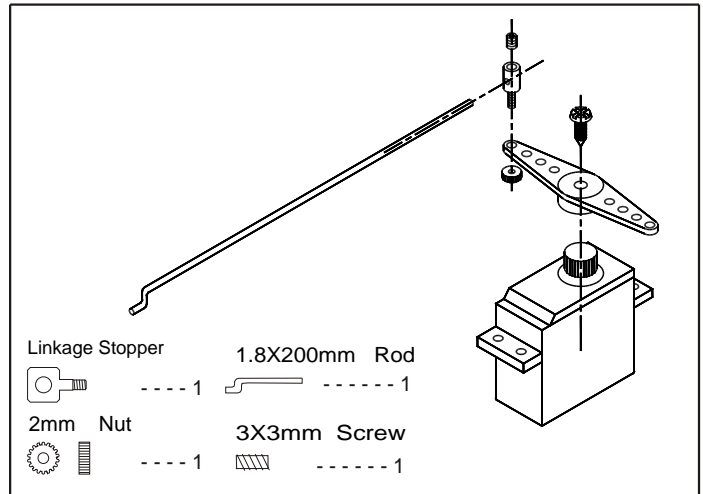
23 Installing the engine (50-80cc)



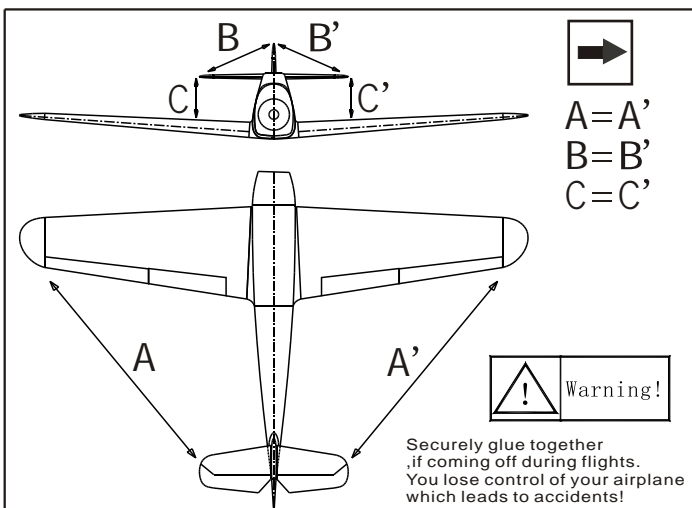
21 Horizontal (Put the servo into the fuselage)



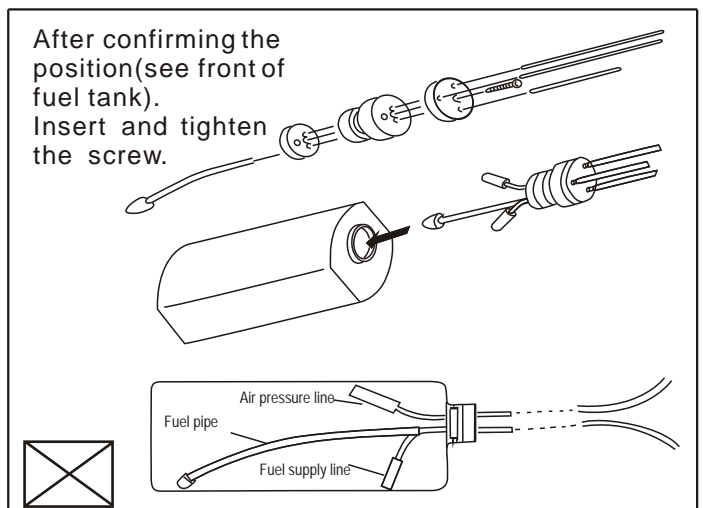
24 Install the throttle servo



22 Main wing & Horizontal/Vertical tail

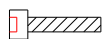
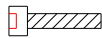






25 Assembly of the full tank

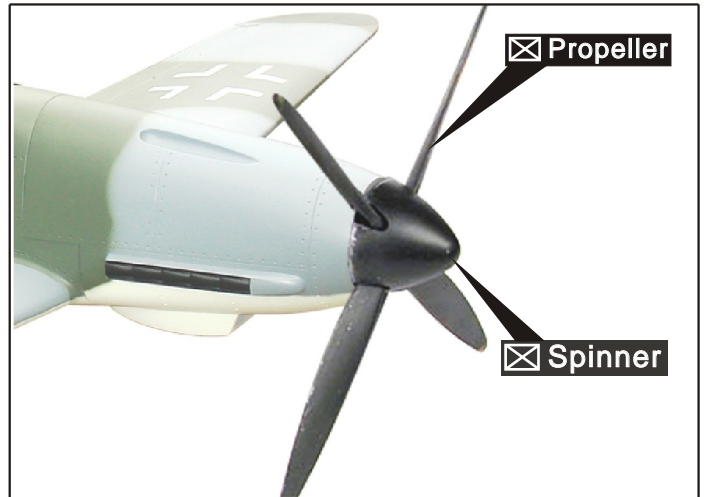




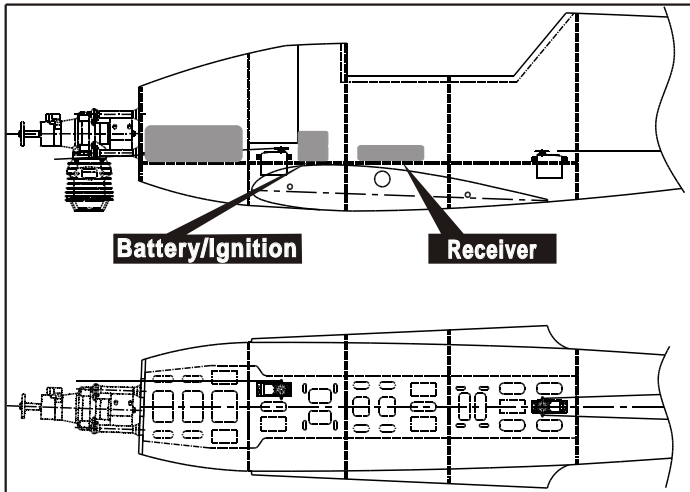
Accessory list for this page.

-  3X30mm screw ----- 2
-  3X16mm screw ----- 6
-  3mm Bind nut ----- 6
-  3mm Washer ----- 8
-  3mm rubber band ----- 8
-  6mm Playwood ----- 6

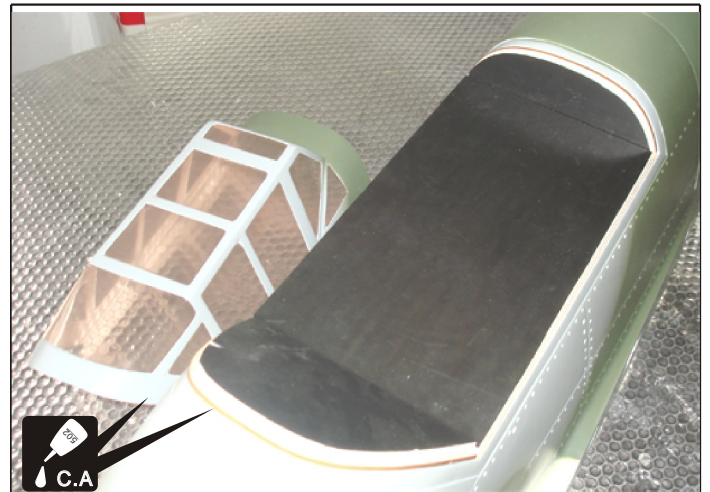
28 Install the thr cowling



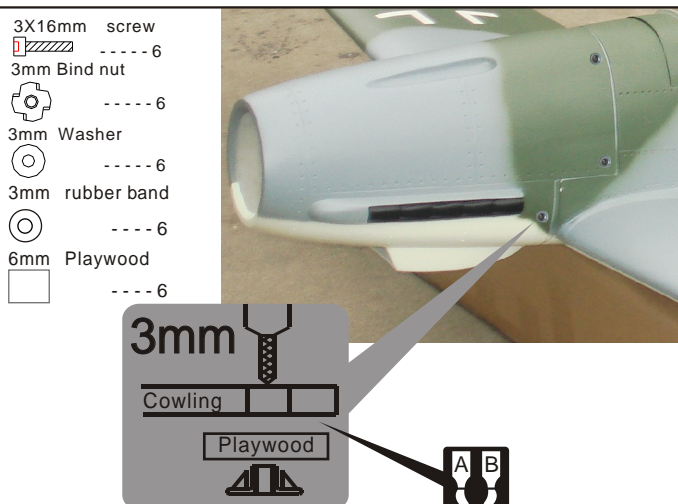
26 Radio Equipment



29 Install the canopy



27 Install the thr cowling

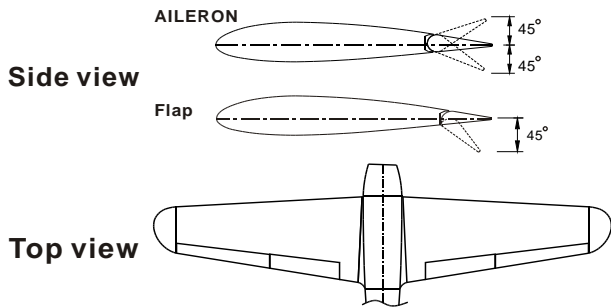


30 Install the canopy



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.



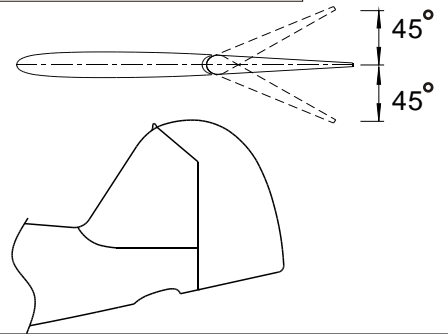
33 Adjustment

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.

Rudder

Side view

Top view



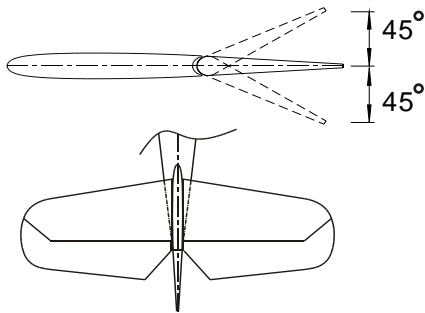
32 Adjustment.

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

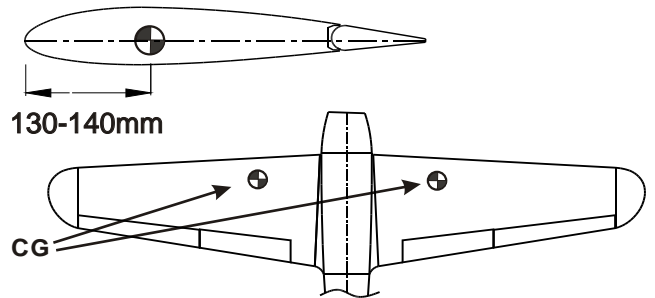
Side view

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.