

Before commencing assembly, please read these instructions thoroughly.



Bortok



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 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

SPECIFICATIONS

Wing Span : 2500 mm (98.5in)

Wing Area : 85.4 dm² (1324 sq.in)

Empty weight : 5 kg

Length : 1920 mm (75.6 in)

Engine : 50 cc gas engine

Radio : 5 channels , 7 servos

REQUIRED FOR OPERATION (Purchase separately)

- 1 A minimum 5 channel radio for airplanes (with 7 servos). And dry batteries.



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

A minimum 5 channel transmitter for airplanes.



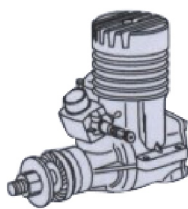
12 AA-size Batteries



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

- 2 Engine and Muffler
Model Airplane engine
50 cc gas engine

Muffler



Glow plug



Purchase a propeller that will match your engine



- 3 Propeller splinner

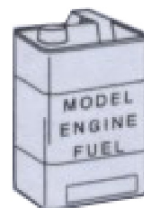
- 4 Silicone Tube  Fuel Filter 

- 5 required for engine starting

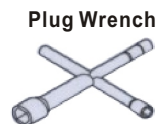


WARNING: Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump



Plug Wrench

- 6 Glue

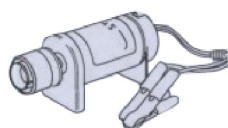


Instant glue

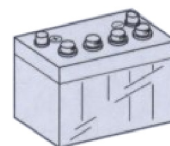


Epoxy Glue

- 7 Other equipment for enhancing airplane operation & perormance



Engine Starter



12V Battery (for starter)

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



Phillips Screw Driver



Awl



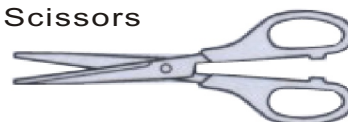
Needle Nose Pliers



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.





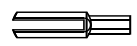
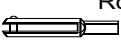
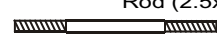





Warning!

Do not overlook this symbol.

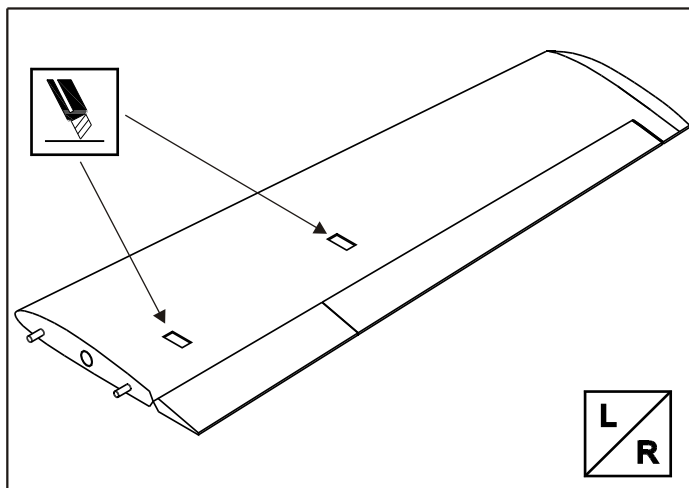


Accessory list for this page.

 Hinge	 Connecting rod head
----- 16	----- 4
 M2X8mm Cap screw	 M2X8mm Screw
----- 4	----- 4
 Rod adjuster	 Rod adjuster
----- 4	----- 4
 Rod (2.5x95mm)	 M3X30mm Screw
----- 4	----- 12
 Horn	 M4X35mm Screw
----- 4	----- 4

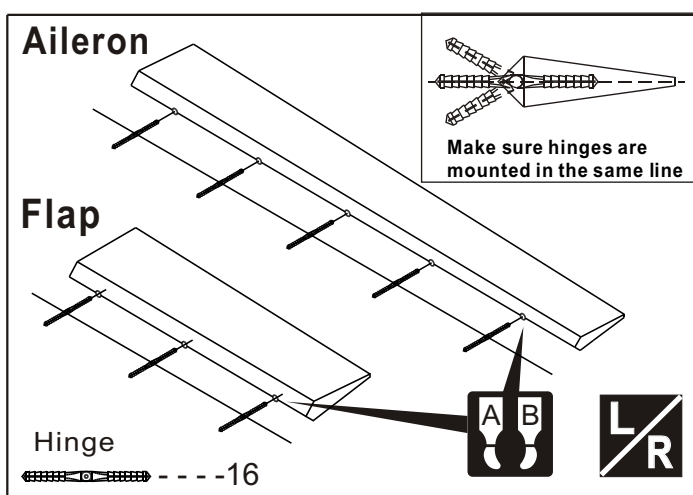
3

Install the servo



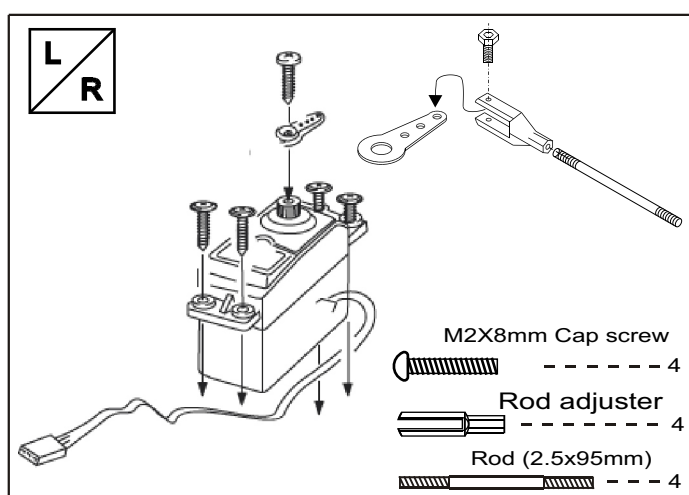
1

Epoxy pin hinges to aileron steadily



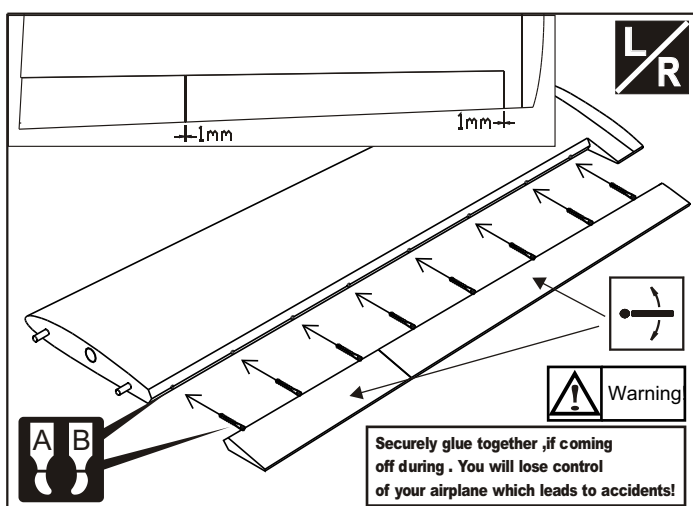
4

Secure the servo. Install the nylon control horn and connect the linkage



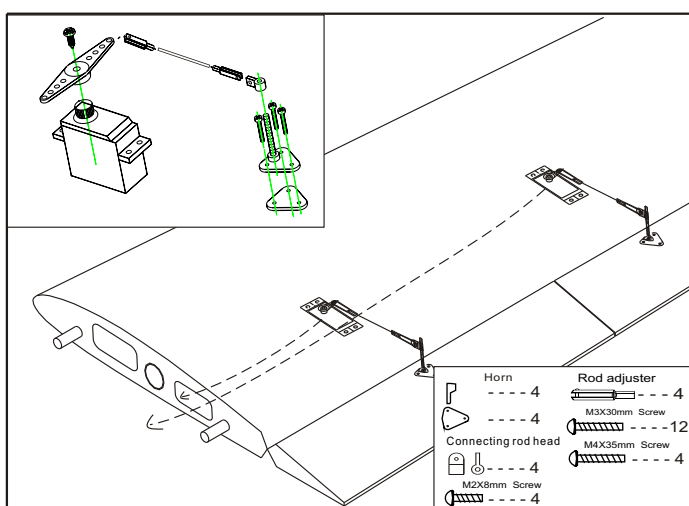
2

Install the aileron



5

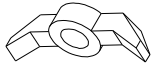
Secure the servo. Install the nylon control horn and connect the linkage





Accessory list for this page.

8mm nylon Nut



----- 4

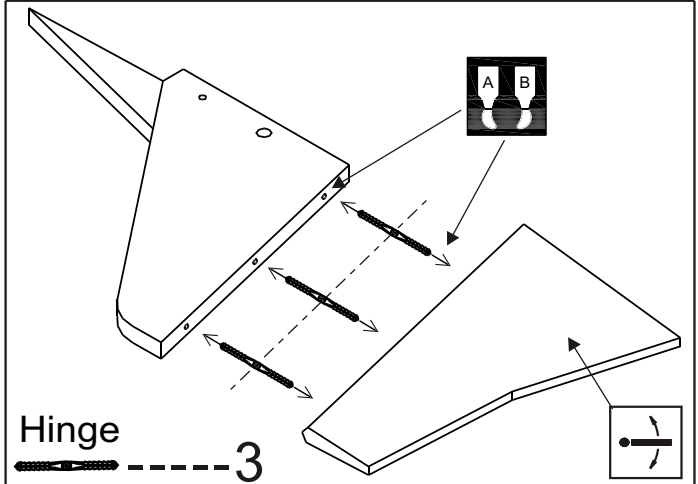
Hinge



----- 9

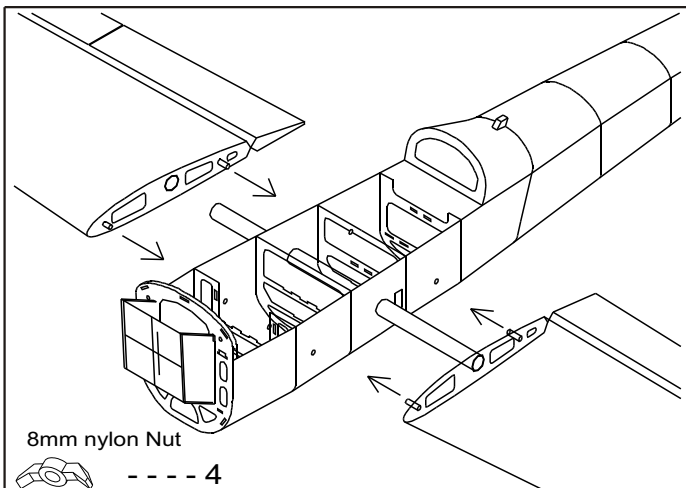
8

Epoxy pin hinges to rudder



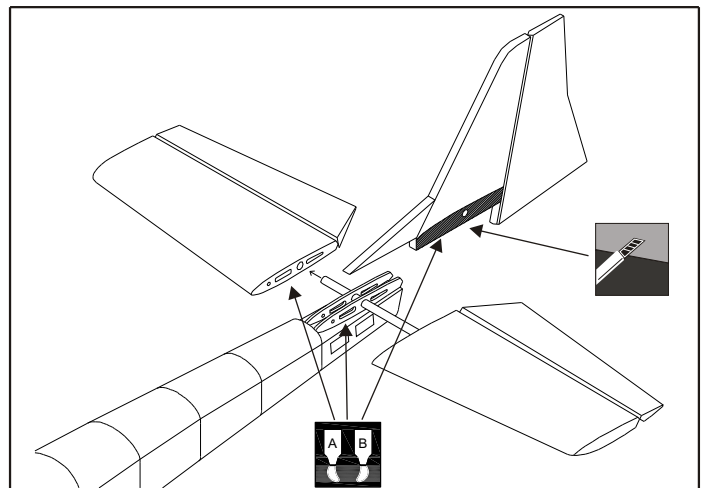
6

Assemble the wings to the fuselage with screw



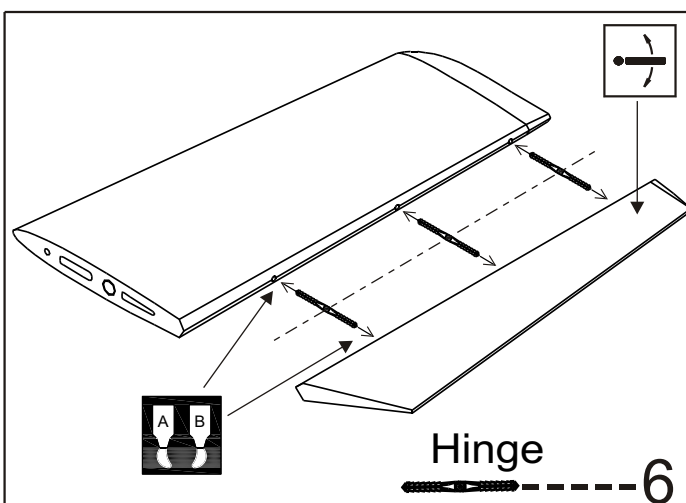
9

Horizontal/Vertical tail



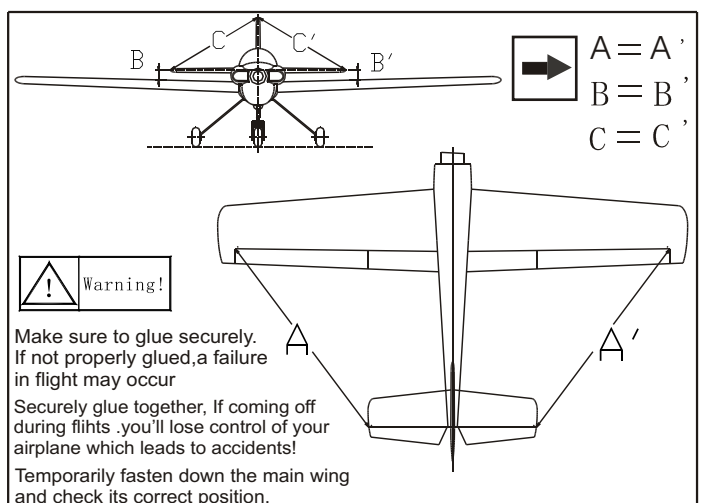
7

Epoxy pin hinges to elevator



10

Assemble horizontal tail

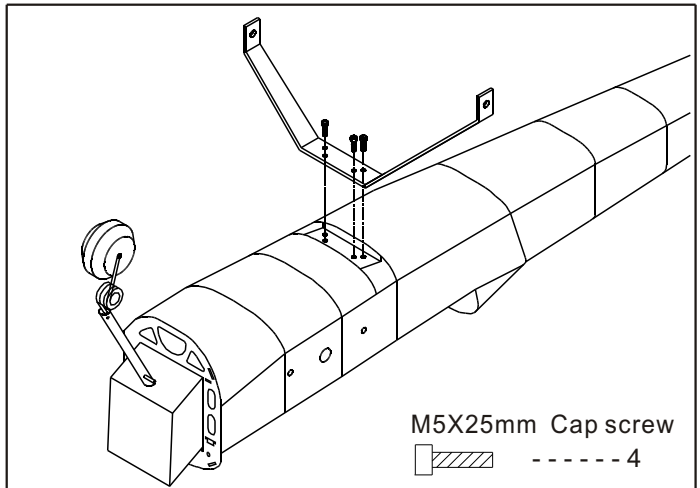




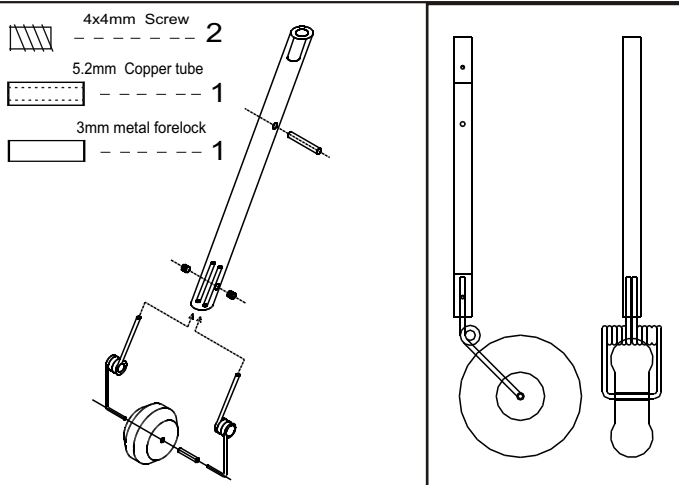
Accessory list for this page.

	2		2		2
	1		4		2
	1		2		4
	4		6		4
	1		2		
	1				
	4				

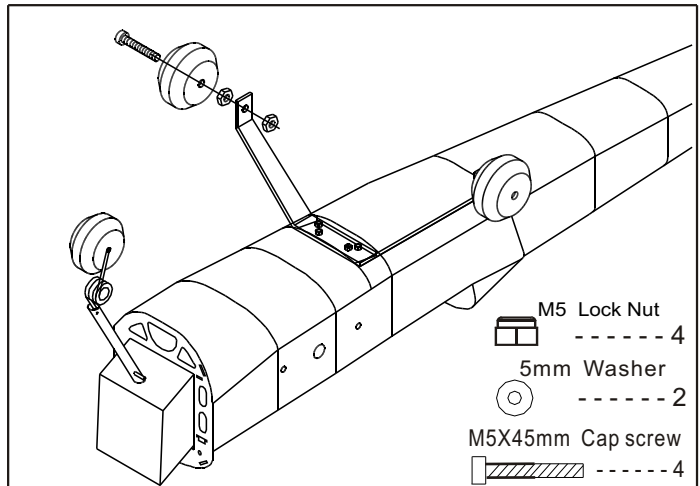
13 Install the main landing gear



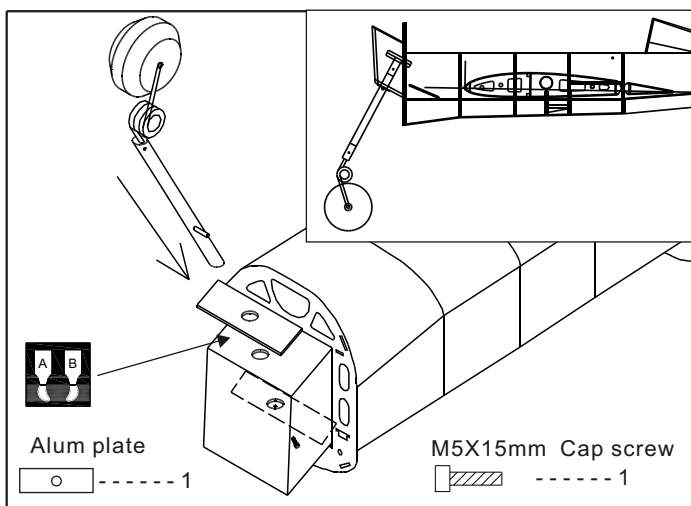
11 Install the front-wheel drive



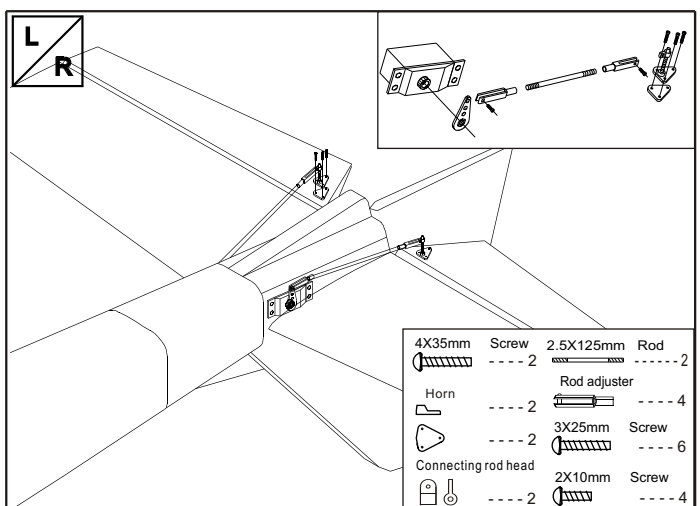
14 Install the main landing gear



12 Install the front-wheel drive


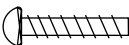


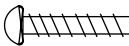


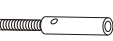


15 Elevator. Connect the linkage rod to the horn

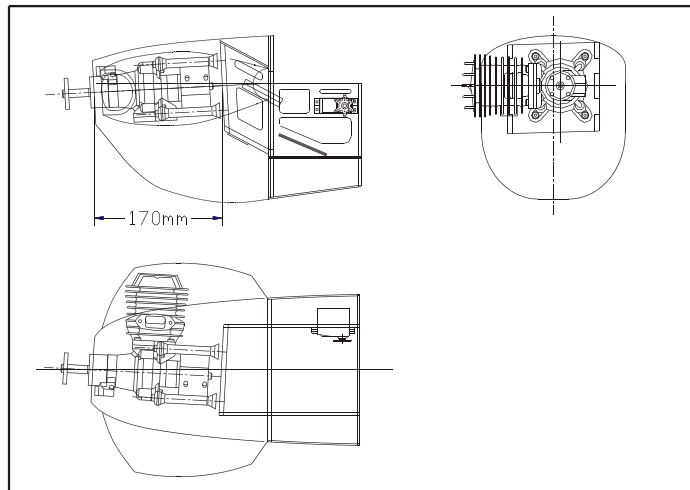




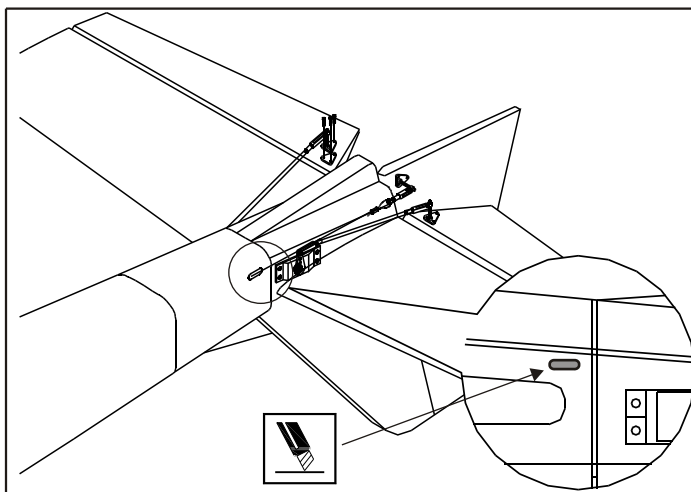
Accessory list for this page.

	----	2		----	3
	----	2		----	3
	----	2		----	2
Connecting rod head	----	2		----	2
Rod adjuster	----	2		----	2

18 Install the engine

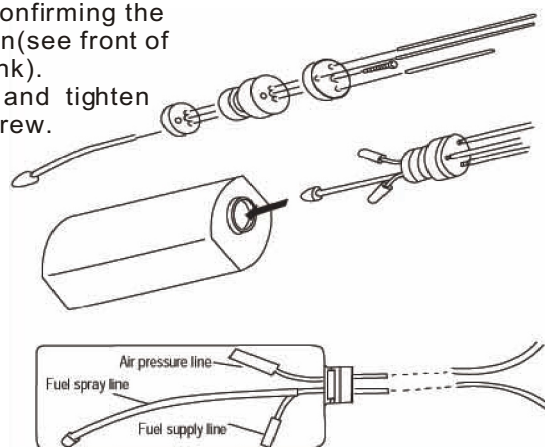


16 Rudder. Connect the linkage rod to the horn

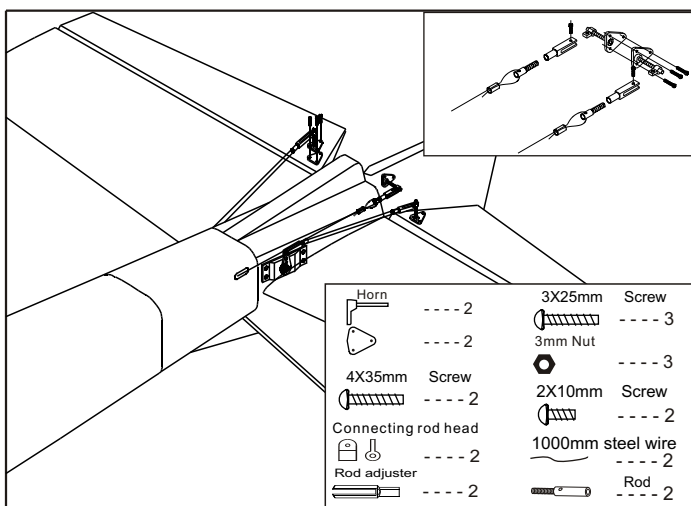



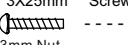


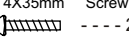

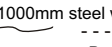

19 Assembly of the full tank

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

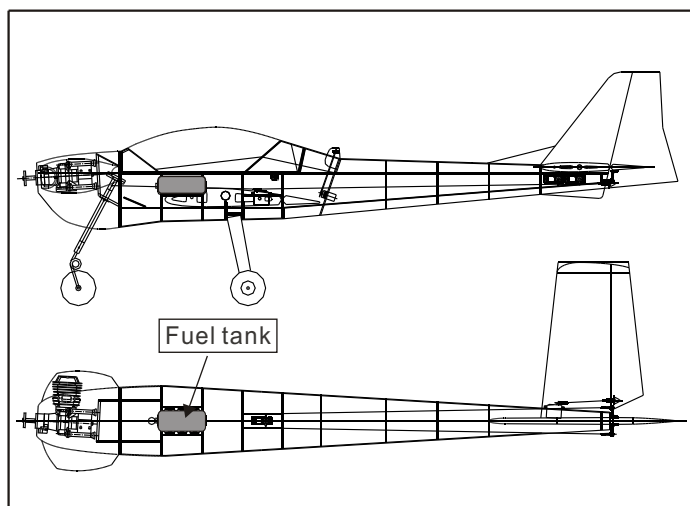


17 Rudder. Connect the linkage rod to the horn



	----	2		----	3
	----	2		----	3
	----	2		----	2
Connecting rod head	----	2		----	2
Rod adjuster	----	2		----	2

20 Mount the fuel into the fuselage

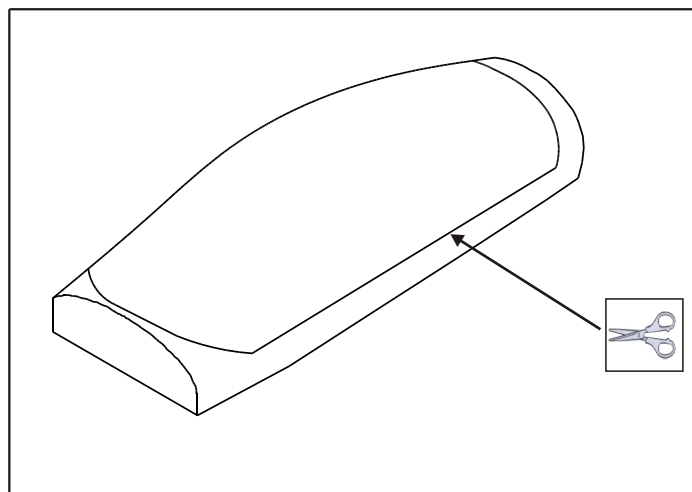




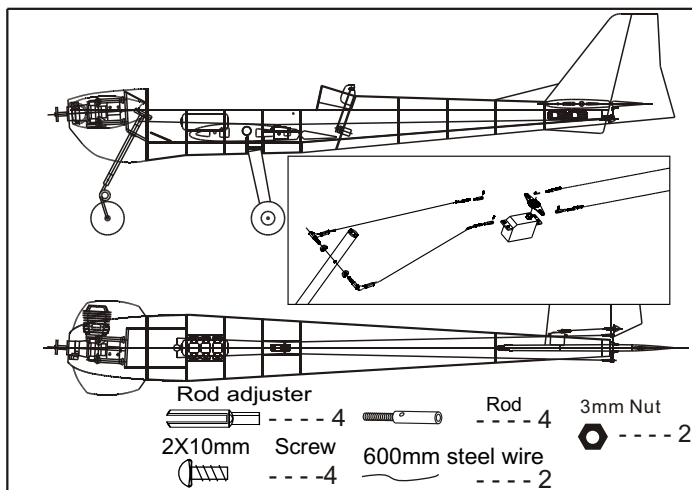
Accessory list for this page.

Rod adjuster		Rod	
2X10mm Screw	-----4	600mm steel wire	-----2
3X12mm Screw	-----5	3mm Nut	-----2
3mm rubber band	-----5	3mm washer	-----5

23 Install the canopy



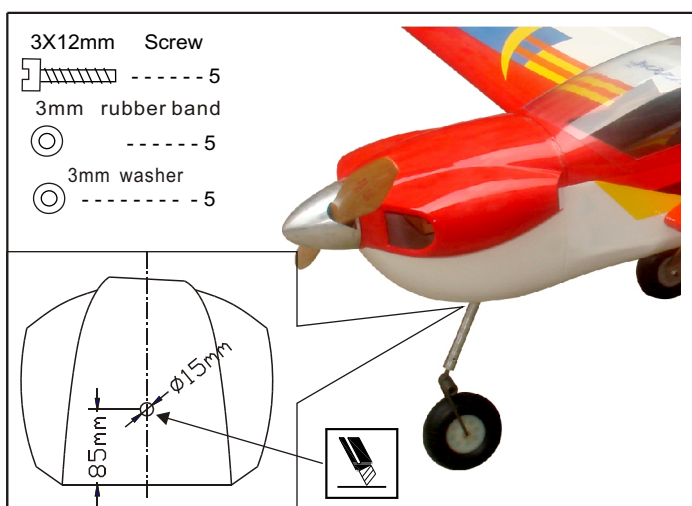
21 Mount the rudder servo into the fuselage



24 Install the canopy



22 Install the cowl

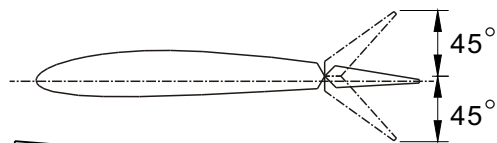


26 Adjustment.

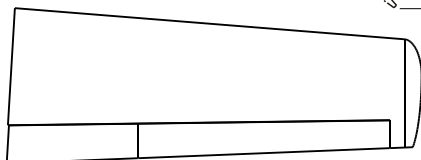
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

AILERON

Side view



Top view

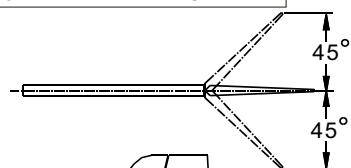


28 Adjustment

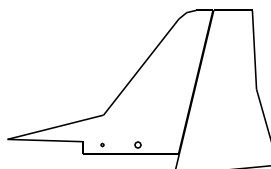
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

Rudder

Side view



Top view

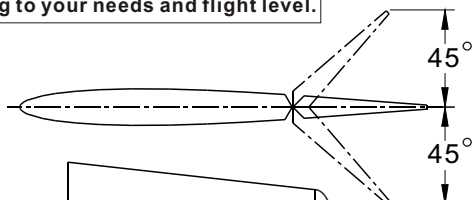


27 Adjustment.

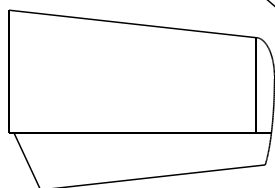
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR

Side view



Top view



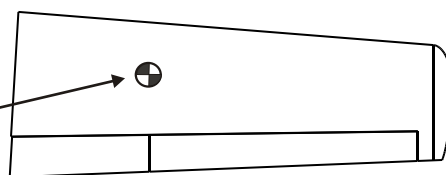
29 Adjustment.

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

110-120mm



CG



警告
Warning!

NEVER fly the model without well balancing.