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Cessna bird dog

Item Nr: CY8069C



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: 3100 mm (122 in)
Wing Area: 115 dm² (1790 sq. in)
Total Length: 2160 mm (85 in)
Flying Weight: 11kg
Engine : 80-100cc gas engine
Radio : 5 channels , 8 servos

REQUIRED FOR OPERATION (Purchase separately)

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

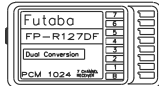


CAUTION: Only use a minimum 5channel radio for airplanes! (No other radio may be used!)

A minimum 8 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 servos) 

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

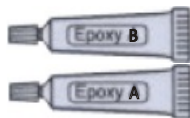




Muffler



Ignition

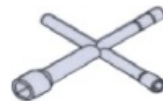


- 5 Glue  
Epoxy Glue Instant glue

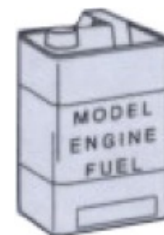
- 6 required for engine starting  WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump

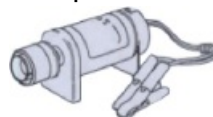


Plug Wrench

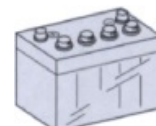


- 7 Silicone Tube  Fuel Filter 

- 8 Other equipment for enhancing airplane operation & performance



Engine Starter



12V Battery (for starter)

- 9 Purchase a propeller that will match your engine



26X10----28X10
26X12----28X12

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



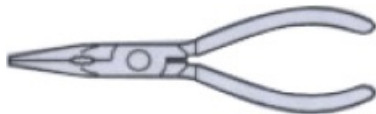
Phillips Screw Driver



Awl



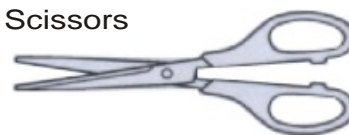
Needle Nose Pliers



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!

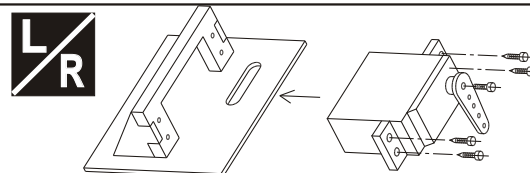
Do not overlook this symbol.



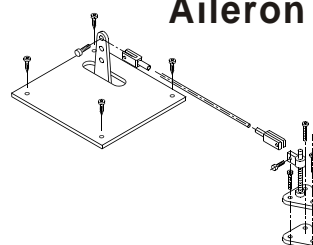
Accessory list for this page.

	Hinge	-----12		HORN	4
	Hinge	-----8			-----4
	2.3X10mm Tp screw	-----16		4X30 Screw	-----4
	3X30mm screw	-----12		Rod adjuster	-----8
	2X8mm screw	-----8		Connecting rod head	-----4
				2.5X85mm rod	-----4

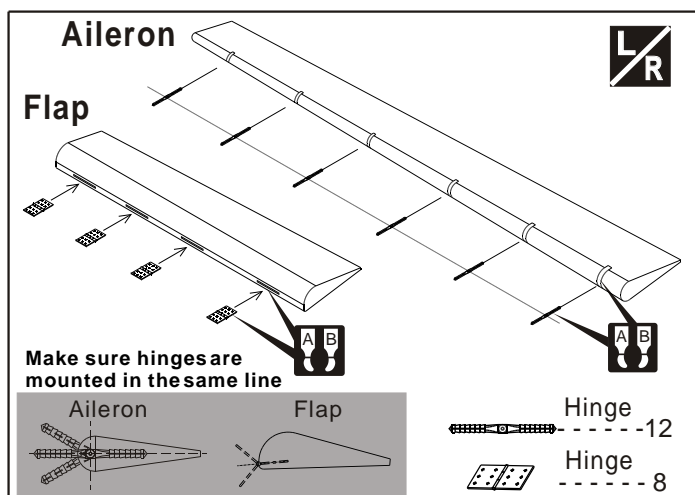
3 Install the flap and aileron servo



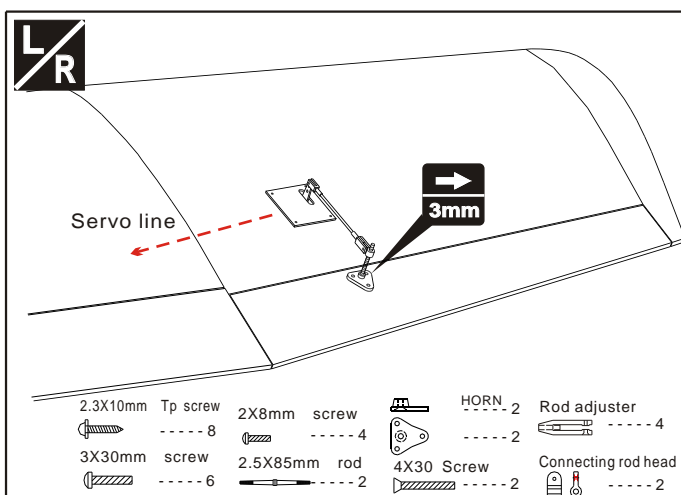
Aileron and flap



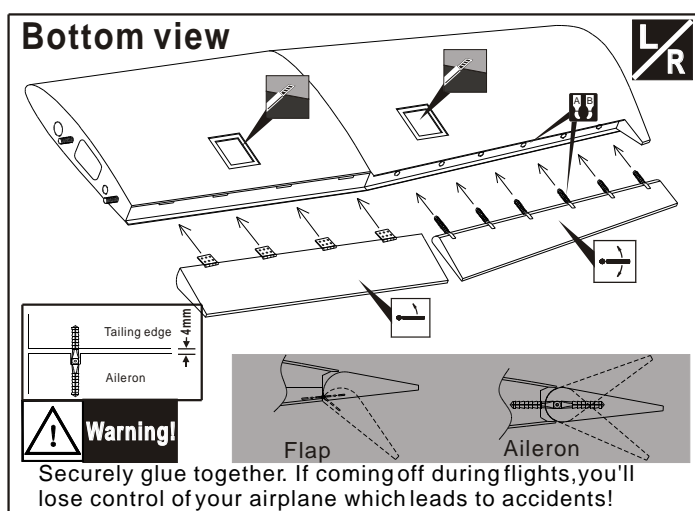
1 Glue the hinges to the aileron With AB instant glue



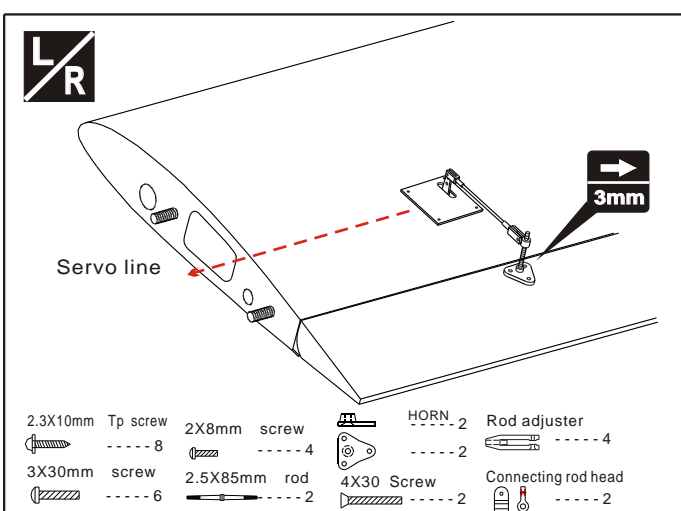
4 Secure the servo , install the nylon horn and connect the linkage



2 Glue the aileron and flap to the main wing with AB glue



5 Secure the servo , install the nylon horn and connect the linkage





8mm nylon nut



3X16mm Screw



3mm washer



Hinge



6 Install the wings to the fuselage

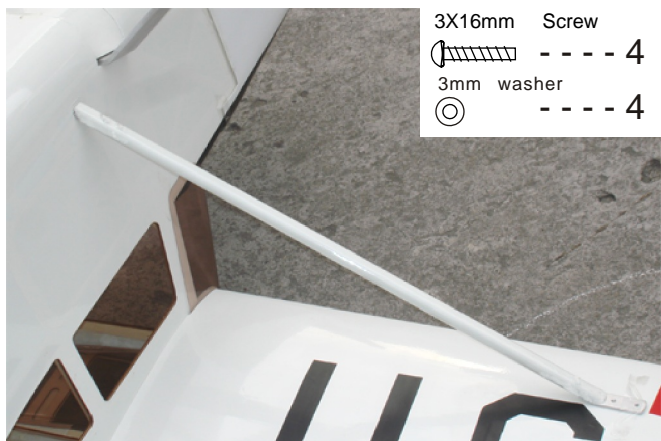


25X1175mm tube

8mm nylon nut



7 Main wing



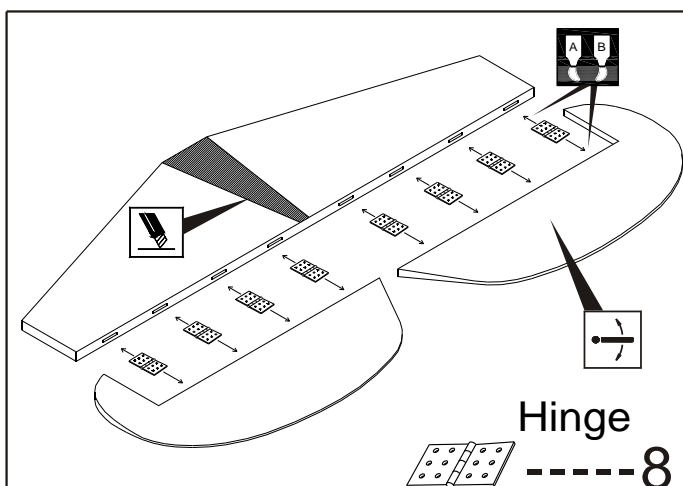
3X16mm Screw



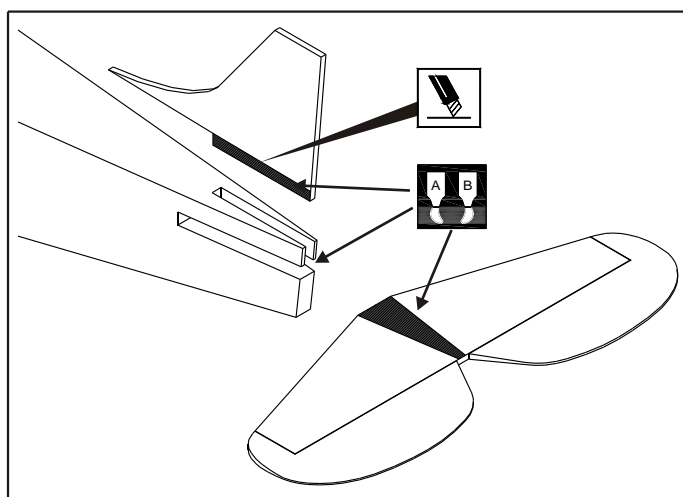
3mm washer



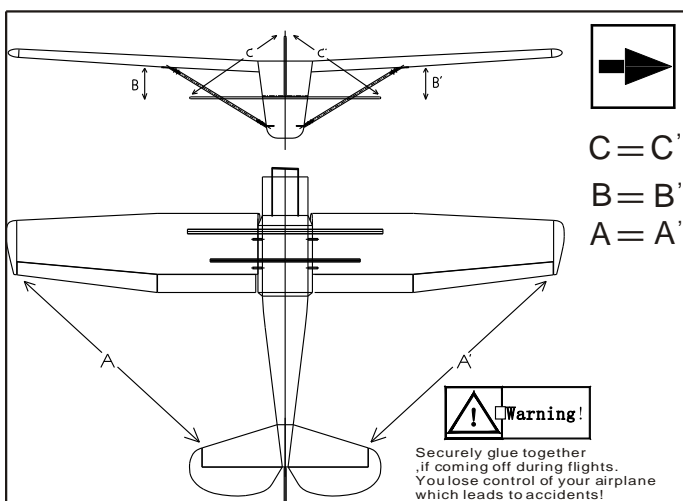
8 Glue the elevator to the stabilizer by AB and epoxy



9 Assembly the stabilizer carefully to the fuselage



10 Assembly of the stabilizer

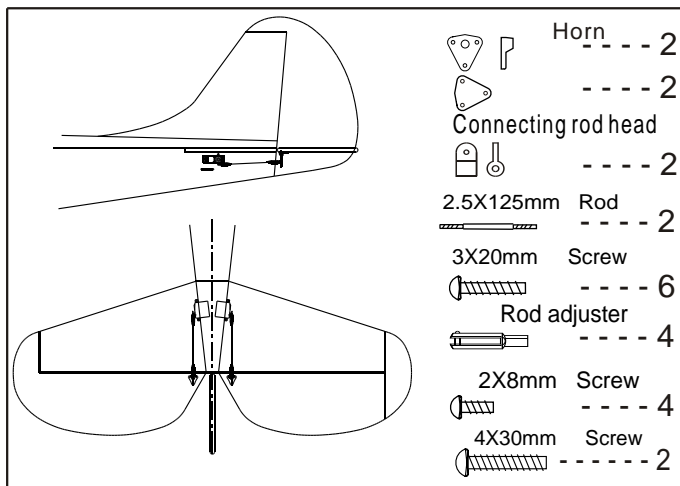




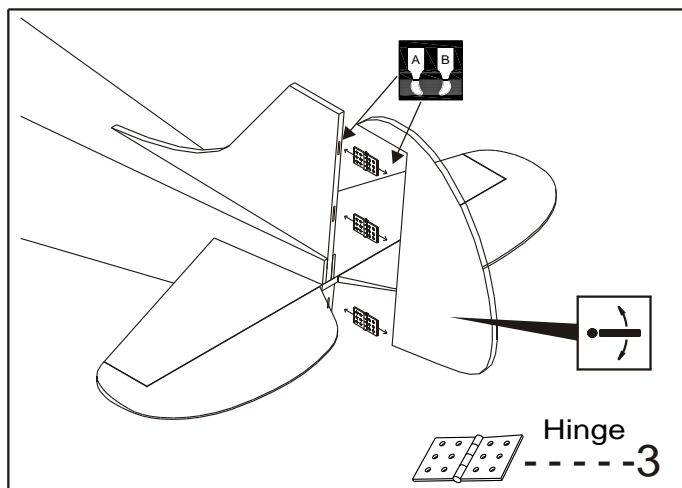
Accessory list for this page.

Rod	----- 4	Horn	----- 4	M5X50mm Screw	----- 2
1500mm steel wire	----- 2	Connecting rod head	----- 2	M5X25mm Screw	----- 4
3mm Lock Nut	----- 3	2.5X125mm Rod	----- 2	M5X65mm Screw	----- 1
3X25mm Screw	----- 3	Hinge	----- 3	M5 Lock Nut	----- 4
Rod adjuster	----- 8	3X12mm Screw	----- 2	5mm washer	----- 4
2X8mm Screw	----- 8	Aluminium tube	----- 4	3X12mm Screw	----- 2
4X30mm Screw	----- 2				
3X20mm Screw	----- 6				

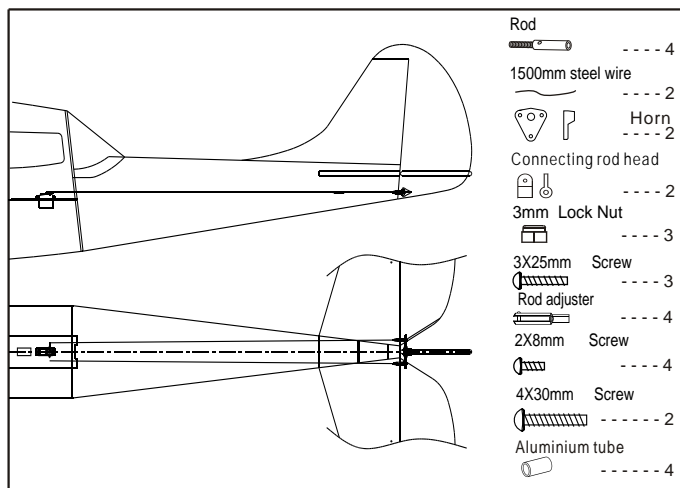
13 Install the servo, install the nylon horn and connect linkage



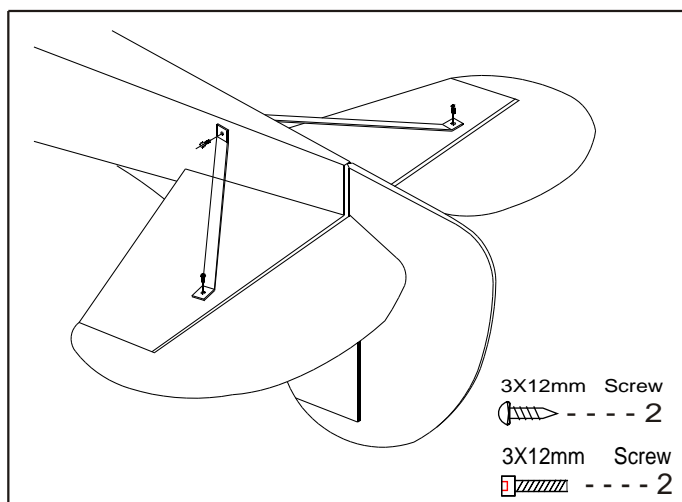
11 Install the rudder to the fuselage



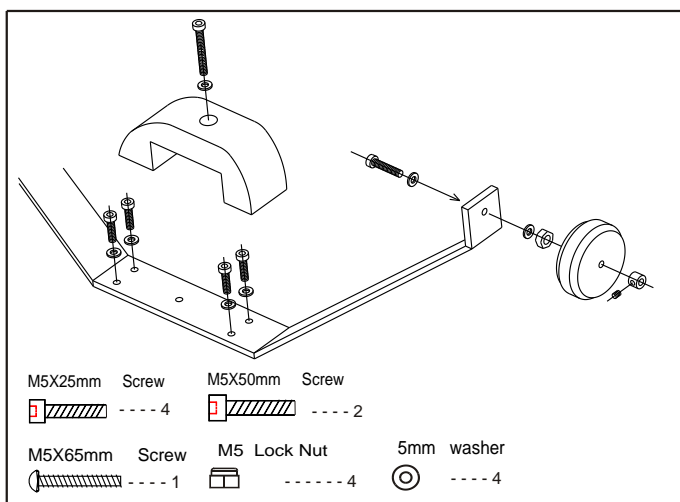
14 Install the servo, install the nylon horn and connect linkage



12 Install the support to the stabilizer



15 Install the main landing gear





Accessory list for this page.

6mm nut



M3X20 Tp screw



6X9 screw



3.2mm Rocker



3X3mm Screw



3.2mm Collar



3.2mm Nylon Collar



1500mm steel wire



Aluminium tube



Linkage Stopper



1.8X550mm Rod



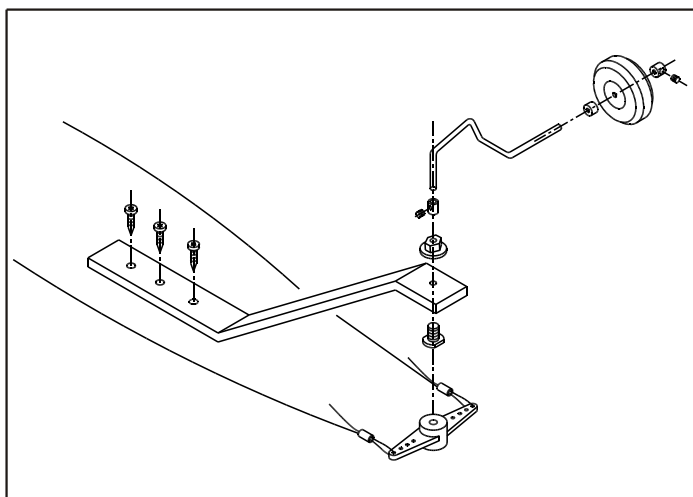
2mm Nut



3X3mm Screw

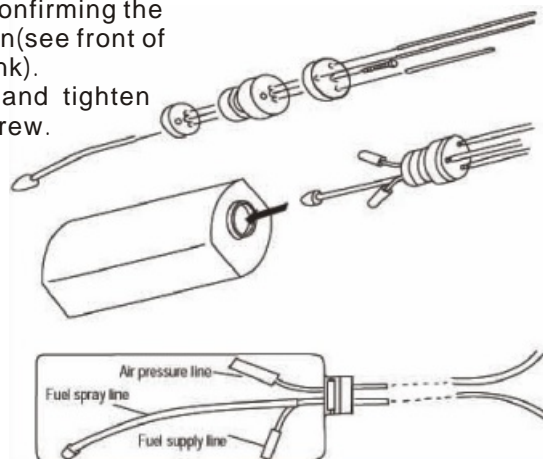


16 Assembly of the tail wheel

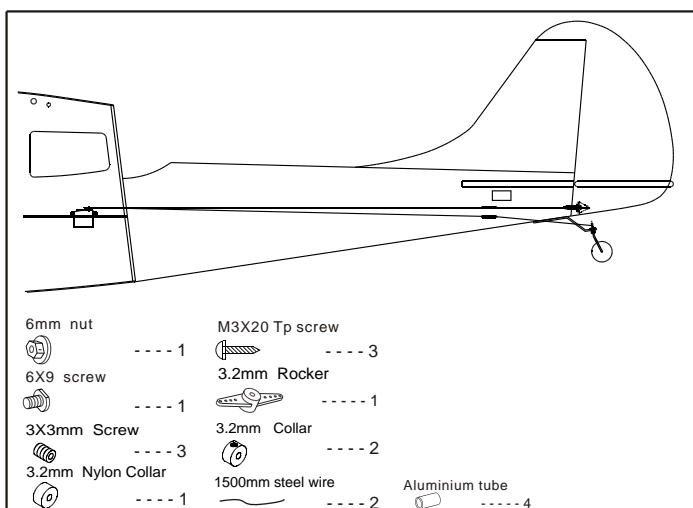


19 Assembly of the fuel tank

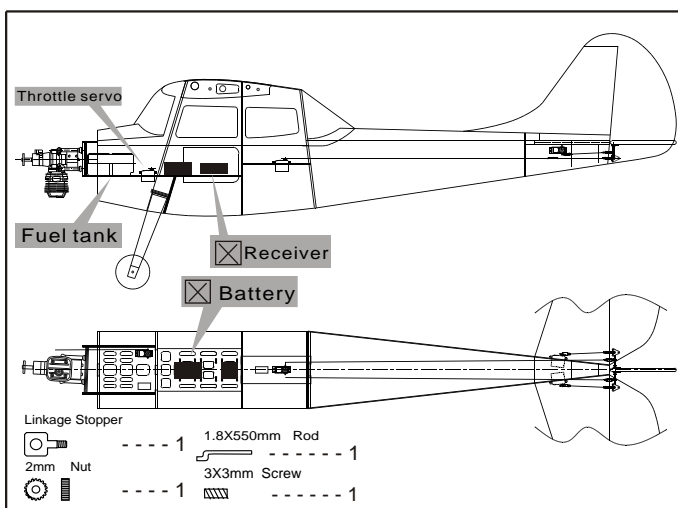
After confirming the position(see front of fuel tank).
Insert and tighten the screw.



17 Install tail wheel to fuselage

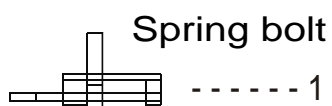


20 Assembly the fuel tank and battery to appropriate position

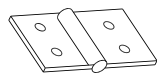




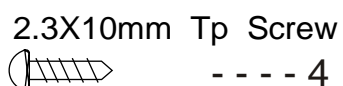
Accessory list for this page.



Spring bolt



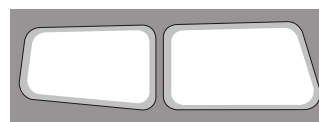
Hinge



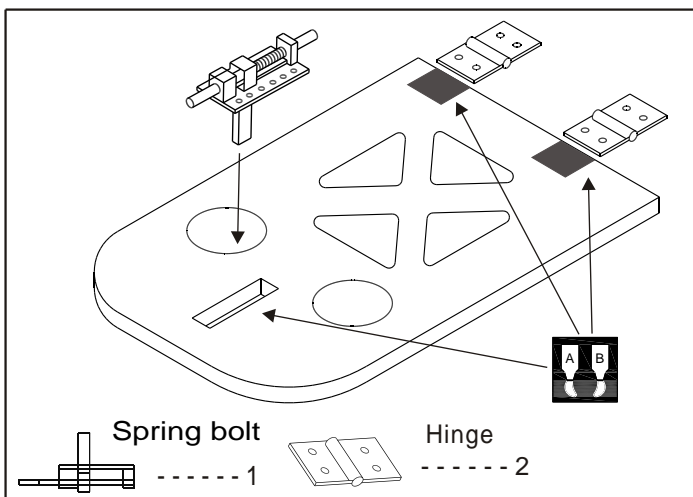
2.3X10mm Tp Screw

----- 4

23 Install the window



21 Glue the hinges to the door



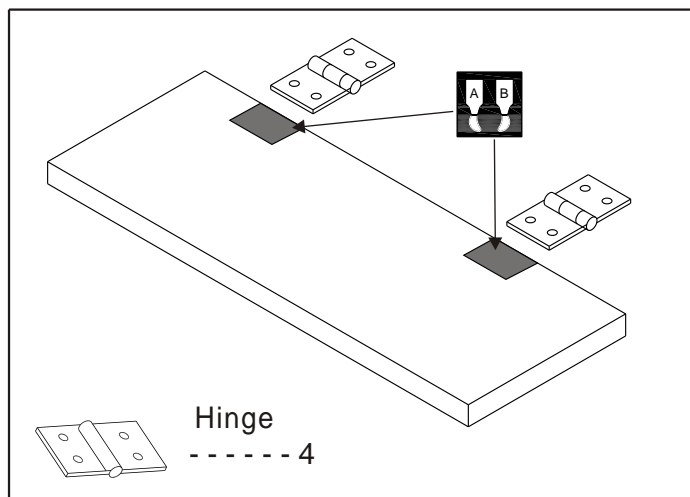
Spring bolt

Hinge

----- 1

----- 2

24 Glue the hinges to the door



Hinge

----- 4

22 Glue the door to the fuselage with AB glue



2.3X10mm Tp Screw



----- 4

25 Glue the door to the fuselage with AB glue



Here , install the servo



Accessory list for this page.

3X12mm Screw



---- 4

3mm rubber band



---- 4

3mm washer



---- 4

2.3X10mm Tp Screw



---- 12

28 Install the cowl



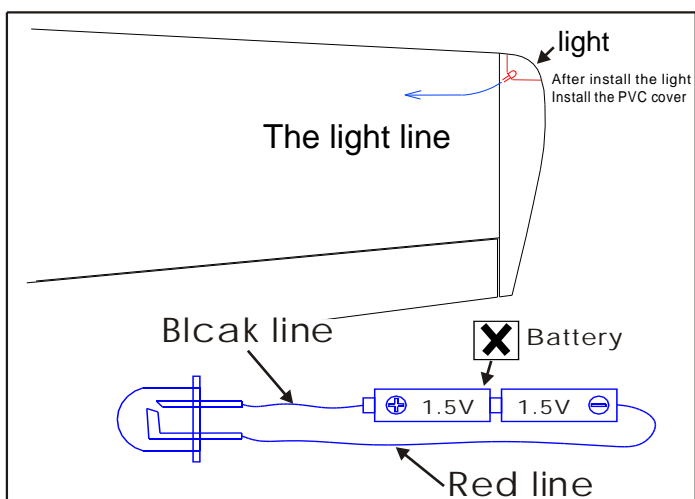
Cut away the surplus parts of canopy
Carefully along the shaded line



2.3X10mm Tp Screw

---- 4

26 Install the light



29 Install the front canopy



Cut away the surplus parts of canopy
Carefully along the shaded line



2.3X10mm Tp Screw

---- 4

27 Radio Equipment



3X12mm Screw



---- 4

3mm rubber band



---- 4

3mm washer



---- 4

30 Install the cover



2.3X10mm Tp Screw

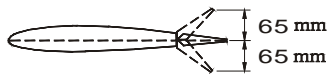


---- 4

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.

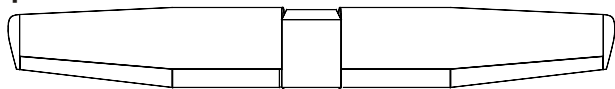
Side view AILERON



Flap



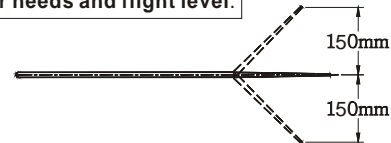
Top view



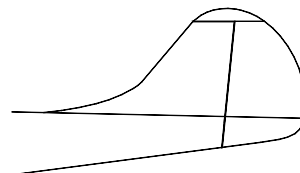
33 Adjustment

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.

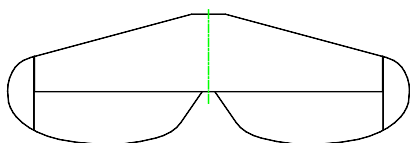
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR

Side view

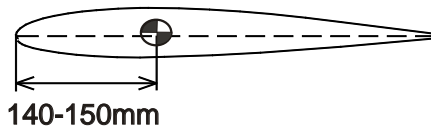


Top view

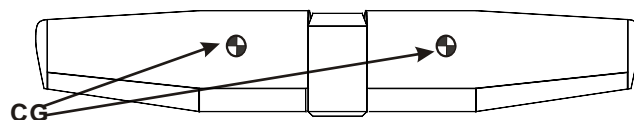


34 Adjustment.

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



140-150mm



CG



警告
Warning!

NEVER fly the model without well balancing.