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Stinson Reliant

Item Nr: CY8025



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: 2550 mm (100 in)
Wing Area: 83.2 dm² (1290 sq. in)
Total Length: 1800 mm (71 in)
Engine : 50-80cc gas engine
Radio : 5 channels , 8 servos

REQUIRED FOR OPERATION (Purchase separately)

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

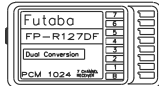


CAUTION: Only use a minimum 5channel radio for airplanes! (No other radio may be used!)

A minimum 5 channel transmitter for airplanes.



12 AA-size Batteries



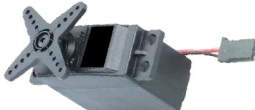
Receiver



remote control

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

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

- 3** Servo(need 8 servos) 

- 4** Engine and Muffler
Model Airplane engine:35-50cc GAS engine

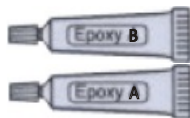




Muffler



Ignition

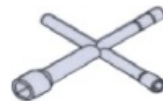


- 5** Glue  
Epoxy Glue Instant glue

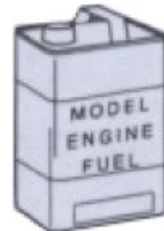
- 6** required for engine starting  **WARNING:** Normal gasoline cannot be used with glow engines.



Fuel Pump

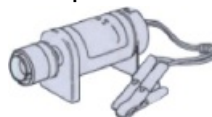


Plug Wrench

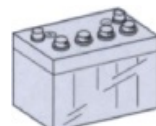


- 7** Silicone Tube  Fuel Filter 

- 8** Other equipment for enhancing airplane operation & performance



Engine Starter



12V Battery (for starter)

- 9** Purchase a propeller that will match your engine



16X10----18X10

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



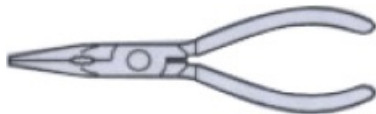
Phillips Screw Driver



Awl



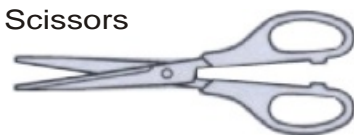
Needle Nose Pliers



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.



Do not overlook this symbol.



Accessory list for this page.

8mm nylon Nut



----- 4

Horn



----- 4



----- 4

2x30mm Screw



----- 12

1.8X100mm rod



----- 4

Hinge



----- 6

2.6X12mm Tp screw



----- 16

Connecting rod head



----- 4

Rod adjuster



----- 4

2x8mm Screw



----- 4

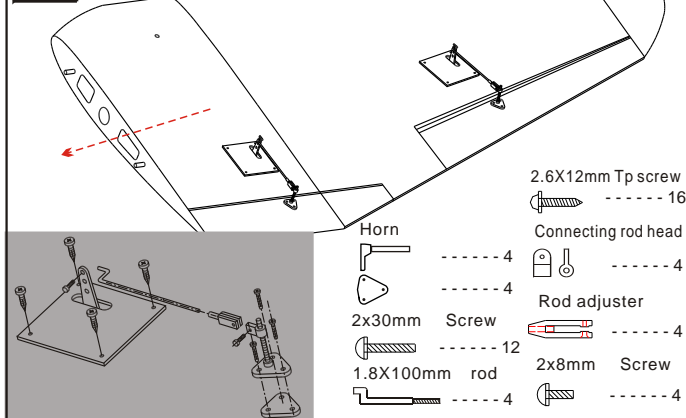
Hinge



----- 8

3

Install the aileron servo.



2.6X12mm Tp screw



----- 16

Connecting rod head



----- 4

Rod adjuster



----- 4

2x30mm Screw



----- 12

1.8X100mm rod



----- 4

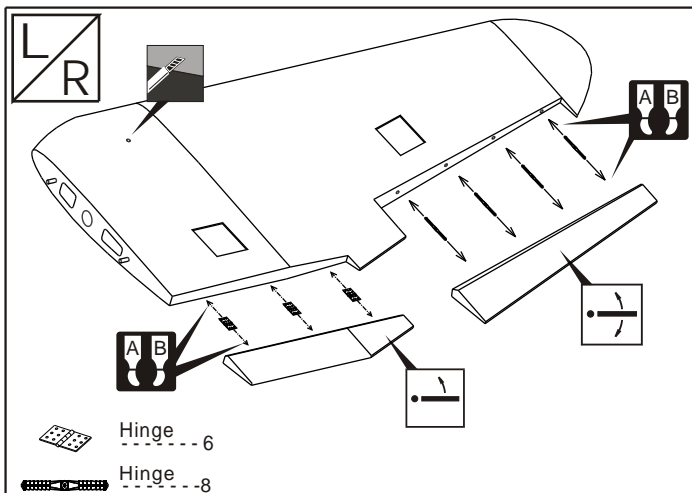
2x8mm Screw



----- 4

1

Install the aileron



Hinge ----- 6

Hinge ----- 8

4

Main wing

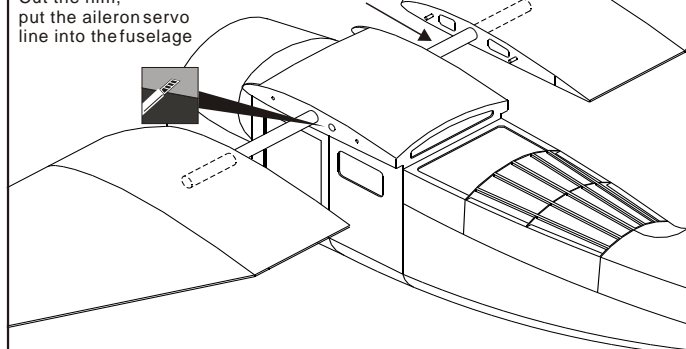
8mm nylon Nut



----- 4

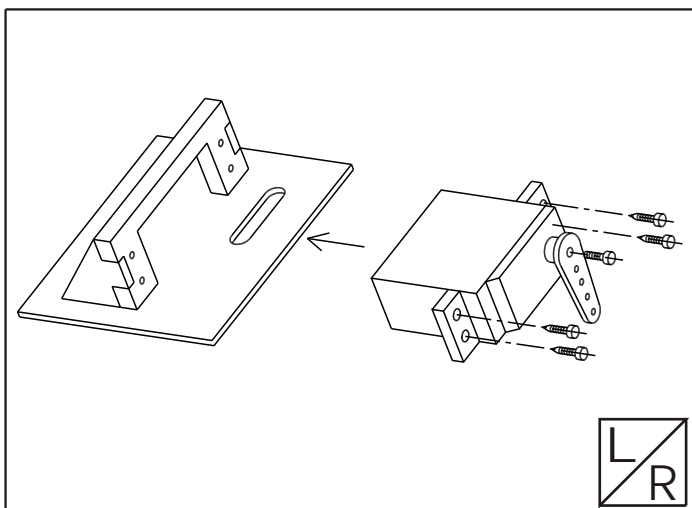
Cut the film,
put the aileron servo
line into the fuselage

25X980mm tube



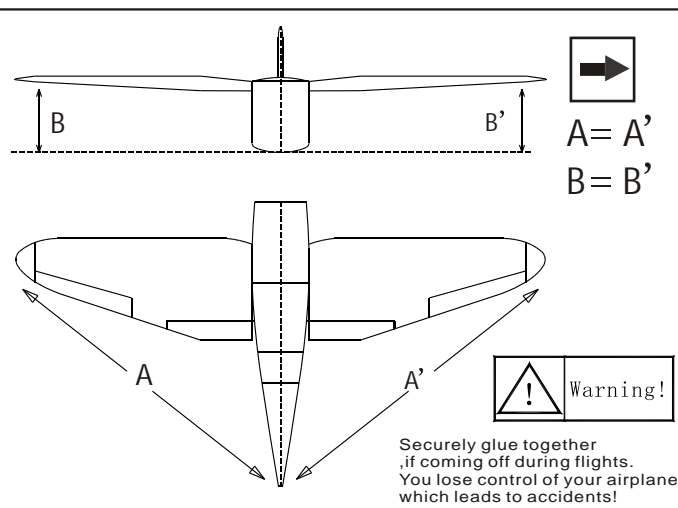
2

Install the aileron servo.



5

Main wing



A = A'

B = B'



Warning!

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



Accessory list for this page.

2.6mm Collar



-----2

2.6mm Nylon collar



-----1

3X3mm screw



-----2

3X12 Tp screw



-----3

3X5 Screw



-----1

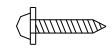


-----1



-----1

2.6X12mm Tp screw



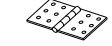
-----1

45mm wheel

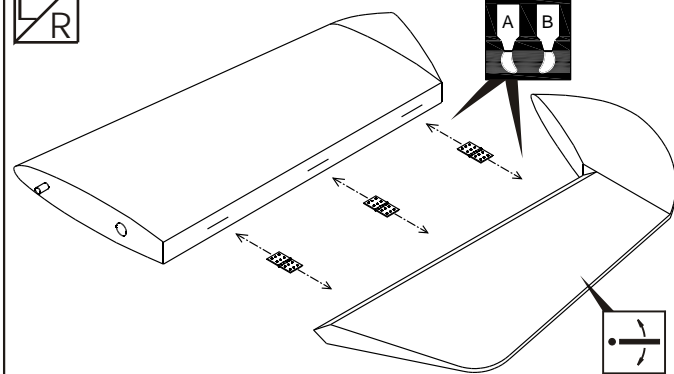


-----1

Hinge



-----9



Hinge

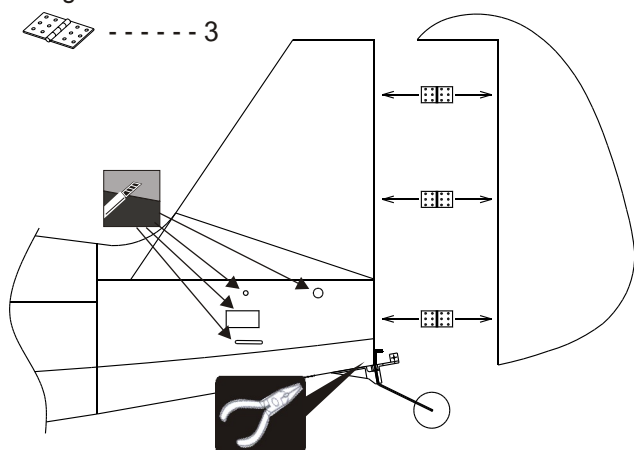
-----6

6

Install the rudder&tail wheel

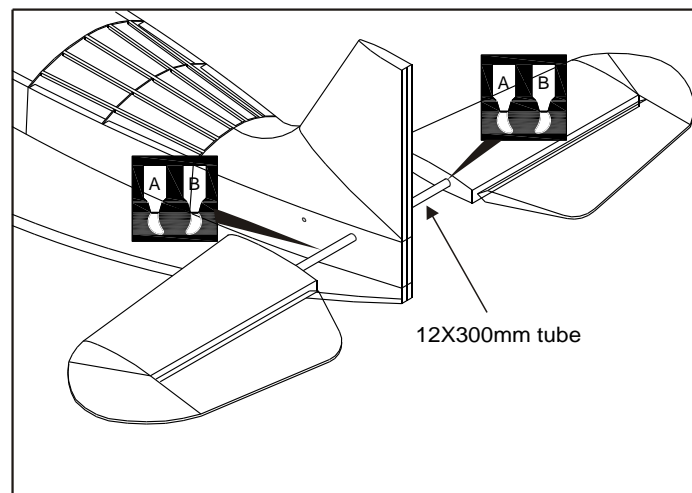
Hinge

-----3



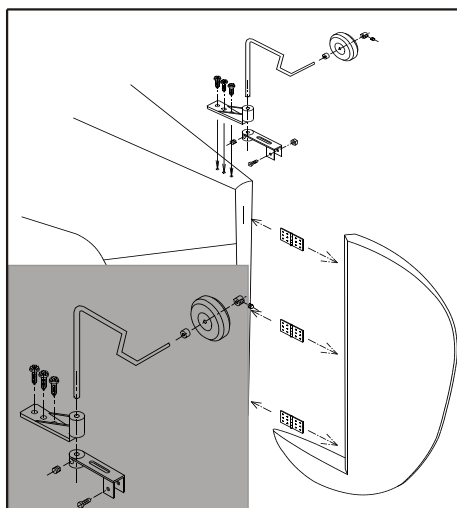
9

Install the elevator



7

Install the rudder&tail wheel



2.6mm Collar



-----2

2.6mm Nylon collar



-----1

3X3mm screw



-----2

3X12 Tp screw



-----3

3X5 Screw



-----1



-----1



-----1

2.6X12mm Tp screw



-----1

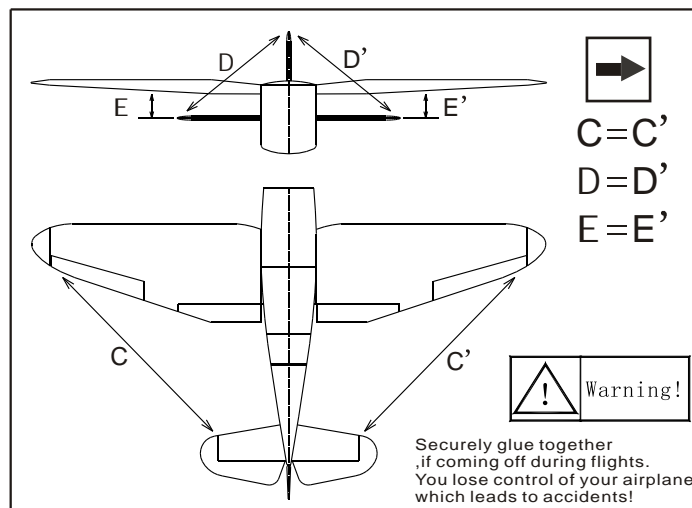
45mm wheel



-----1

10

Horizontal/Vertical tail



C=C'

D=D'

E=E'



Warning!

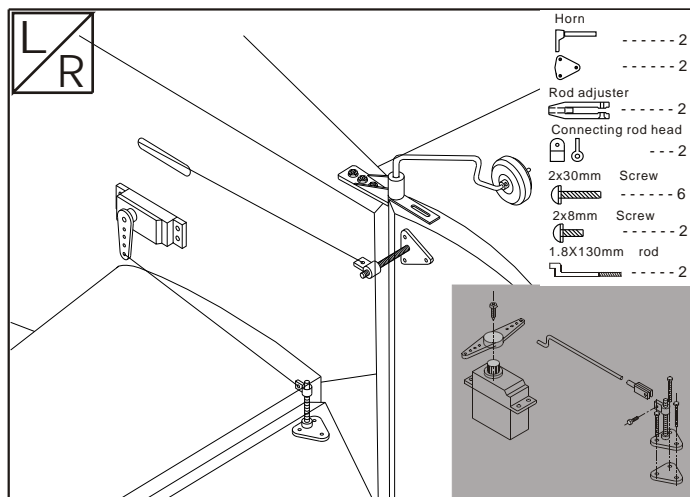
Securely glue together, if coming off during flights. You lose control of your airplane which leads to accidents!



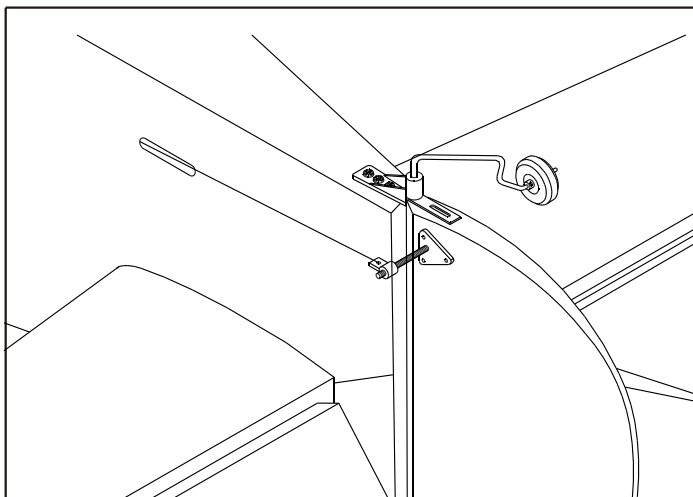
Accessory list for this page.

Horn	----- 4	2mm nut	----- 3
Rod adjuster	----- 2	1100mm Steel wire	----- 2
Connecting rod head	----- 6	Aluminium tube	----- 4
2x30mm Screw	----- 4	Rod	----- 4
2x8mm Screw	----- 6	2X20mm screw	----- 3
1.8X130mm rod	----- 2	5mm lock nut	----- 4
5X45mm screw	----- 2	5.2mm Collar	----- 2
4X20mm screw	----- 4	3X3mm screw	----- 2
5mm Washer	----- 4	4mm Washer	----- 4

13 Install the elevator servo



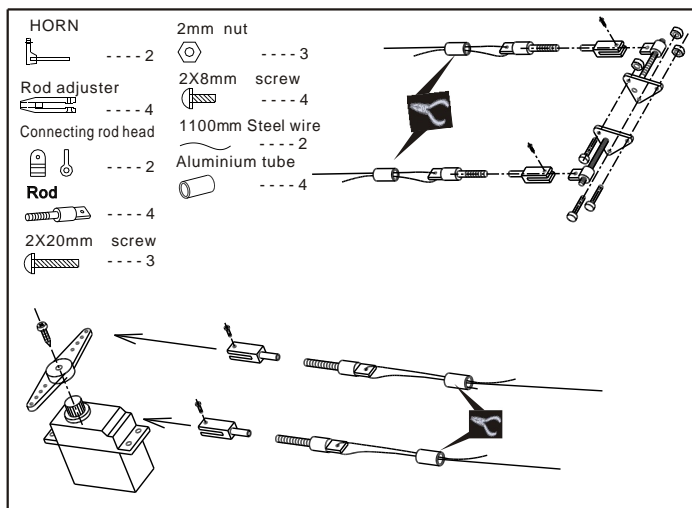
11 Install the rudder servo



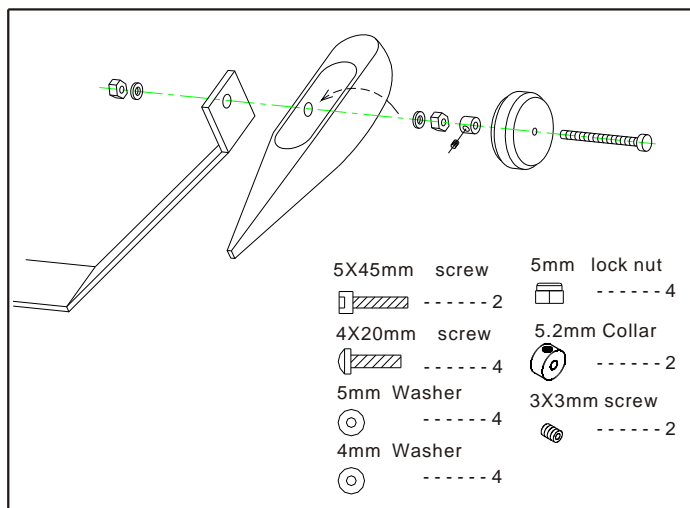
14 Install the main landing gear



12 Install the rudder servo



15 Install the main landing gear





Accessory list for this page.

Linkage Stopper 1.8X400mm Rod



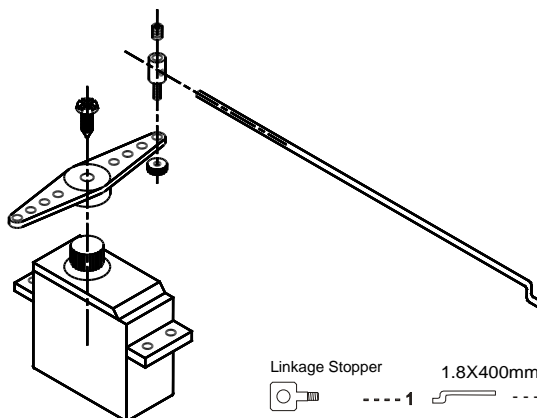
2mm Nut 3X3mm Screw



3X16mm screw 3mm lock nut



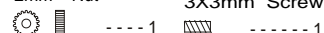
18 Install the throttle servo



Linkage Stopper 1.8X400mm Rod



2mm Nut 3X3mm Screw



16 Install the wing support



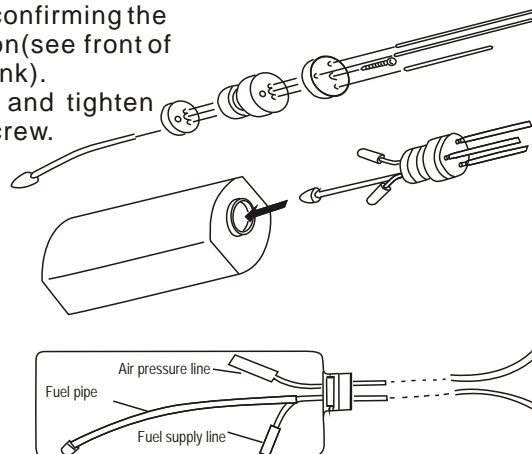
3mm

3X16mm screw 3mm lock nut

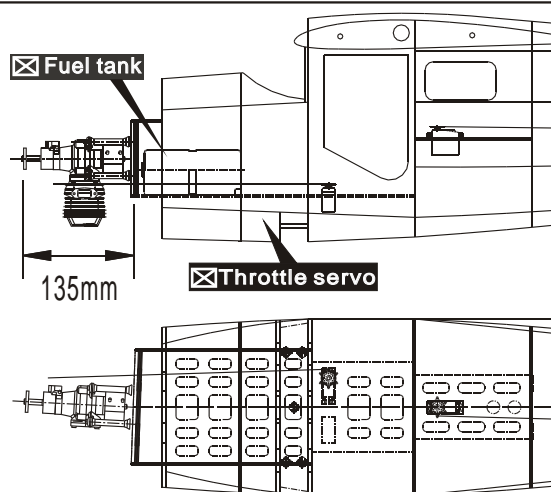


19 Assembly of the full tank

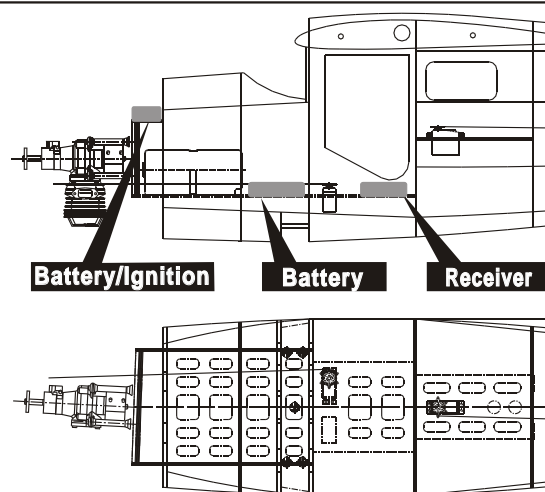
After confirming the position (see front of fuel tank). Insert and tighten the screw.



17 Install the engine

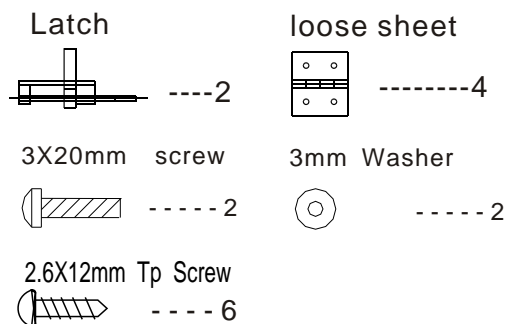


20 Radio Equipment





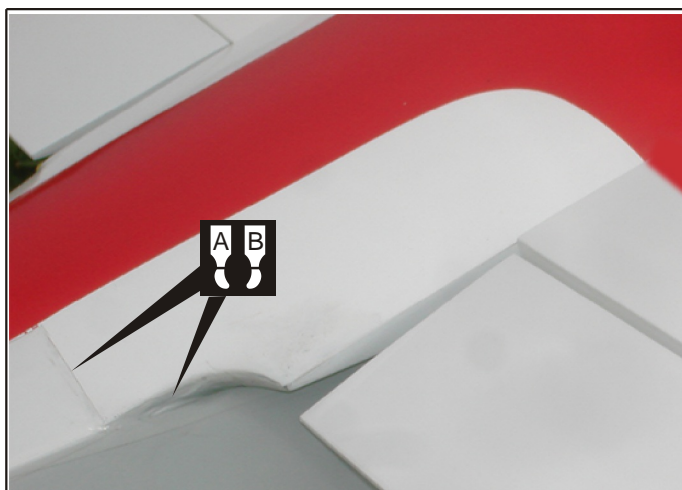
Accessory list for this page.



23 Install the door



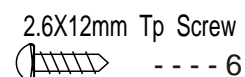
21 Install the cover



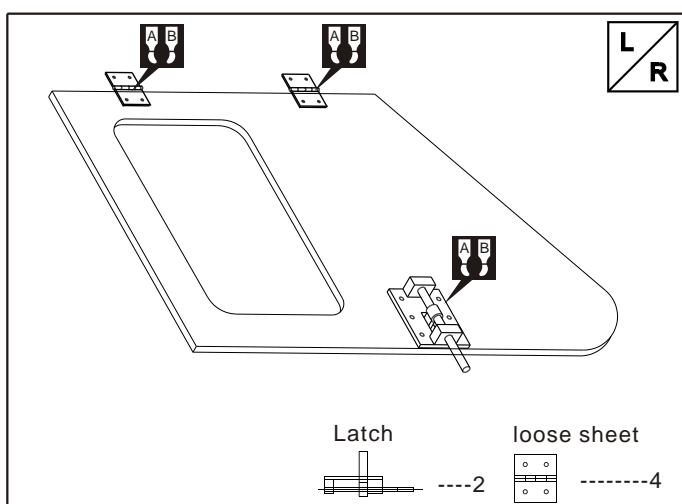
24 Install the canopy



Cut away the surplus parts of canopy carefully along the shaded line.



22

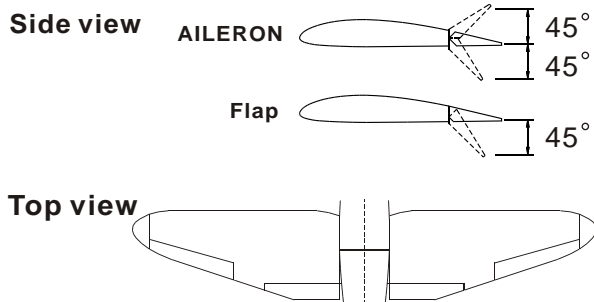


25 Install the thr cowl



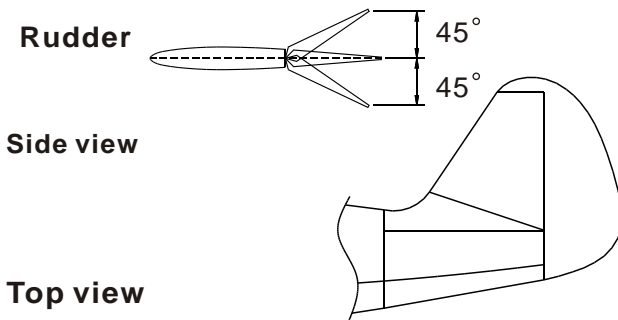
26 Adjustment.

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.



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.

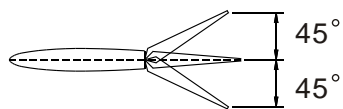


27 Adjustment.

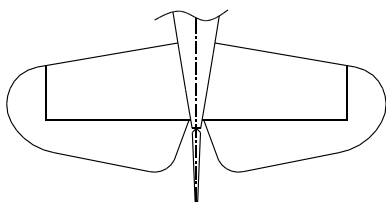
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR

Side view

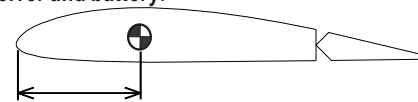


Top view

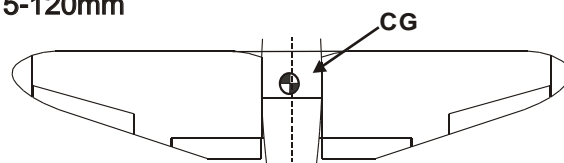


29 Adjustment.

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



115-120mm



警告
Warning!

NEVER fly the model without well balancing.