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Piper PA-25 pawnee

Item Nr: CY8145B



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: 2800 mm (110 in)
Wing Area: 102 dm² (1580 sq. in)
Total Length: 1900 mm (75 in)
Engine : 50cc gas engine
Radio : 5 channels , 8 servos

REQUIRED FOR OPERATION (Purchase separately)

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

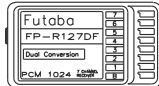


CAUTION: Only use a minimum 5channel radio for airplanes! (No other radio may be used!)

A minimum 5 channel transmitter for airplanes.



12 AA-size Batteries



Receiver



remote control

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

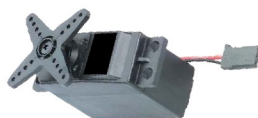
- 2 Battery (need 2)



Switch (need 2)



- 3 Servo(need 8 servos)



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



Muffler



Ignition



- 5 Glue



Epoxy Glue



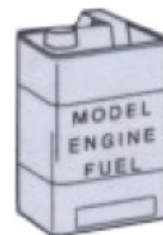
Instant glue

- 6 required for engine starting



WARNING: Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump



Plug Wrench

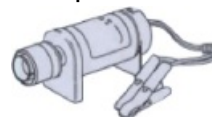
- 7 Silicone Tube



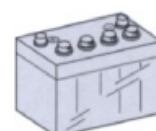
Fuel Filter



- 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



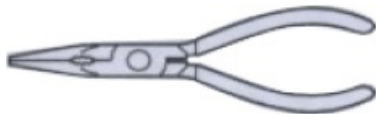
Phillips Screw Driver



Awl



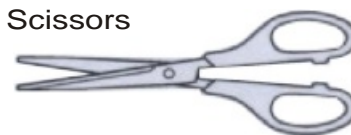
Needle Nose Pliers



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.



Warning!

Do not overlook this symbol.

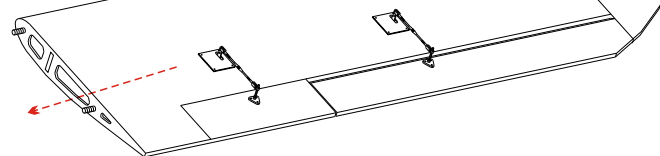


Accessory list for this page.

2.6X12mm Tp screw		----- 16	HORN		----- 4
3X12mm Tp screw		----- 6	4X30 Screw		----- 2
3X30mm screw		----- 6	Rod adjuster		----- 4
2X10mm screw		----- 8	Connecting rod head		----- 4
2.5X85mm rod		----- 4	Main wing joiner		----- 2
8mm nylon Nut		----- 4	Hinge		----- 10
Hinge		----- 6			

3

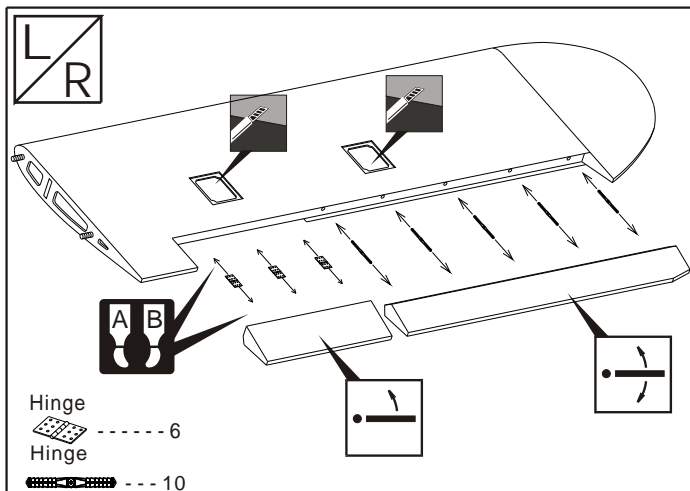
Install the aileron servo.



2.6X12mm Tp screw		----- 16	HORN		----- 4
3X12mm Tp screw		----- 6	4X30 Screw		----- 2
3X30mm screw		----- 6	Rod adjuster		----- 4
2X10mm screw		----- 8	Connecting rod head		----- 4
2.5X85mm rod		----- 4			

1

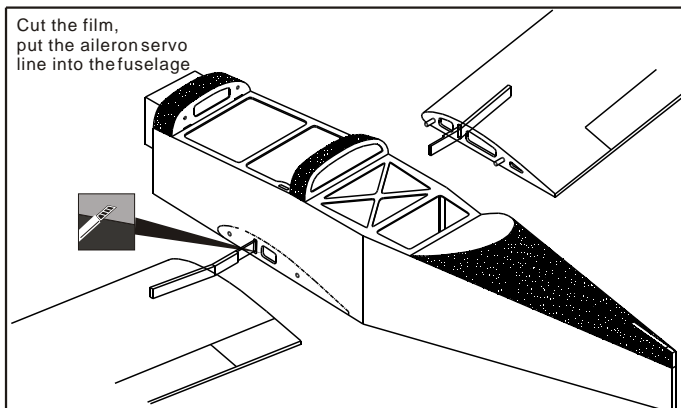
Install the aileron



4

Main wing

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



8mm nylon Nut

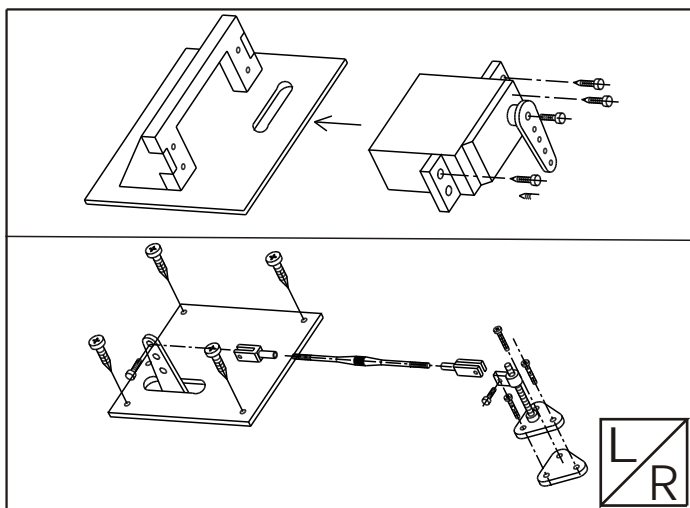


Main wing joiner



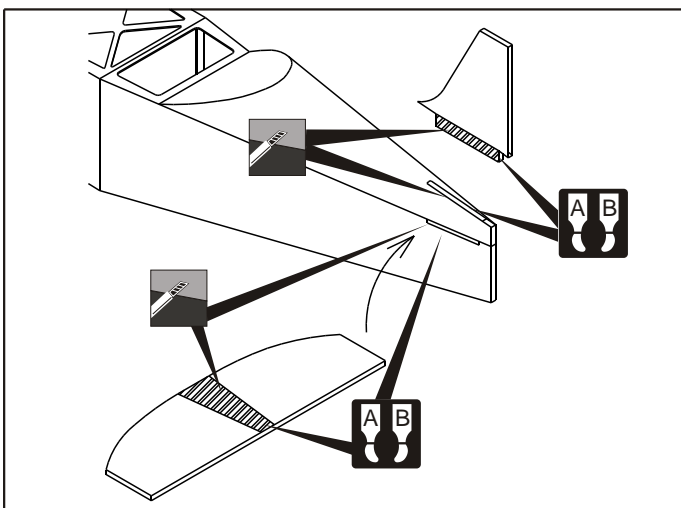
2

Install the aileron servo.



5

Horizontal/Vertical tail





Accessory list for this page.

Hinge

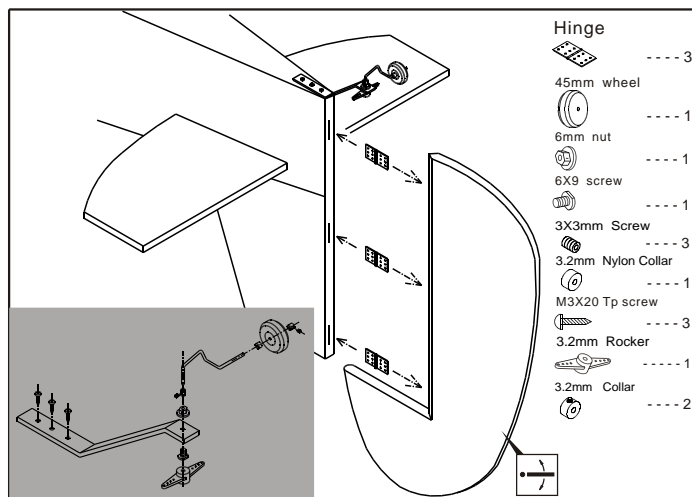
- 9
- 45mm wheel ---1
- 6mm nut ---1
- 6X9 screw ---1
- 3X3mm Screw ---3
- 3.2mm Nylon Collar ---1
- M3X20 Tp screw ---3
- 3.2mm Rocker ---1
- 3.2mm Collar ---2

HORN

- 4X30 Screw ---2
- Rod adjuster ---4
- Connecting rod head ---2
- 2X10mm screw ---4
- 3X25mm screw ---3
- 3mm nut ---3
- Rod ---4
- 1100mm Steel wire ---2
- Aluminium tube ---4

8

Install the rudder&tail wheel

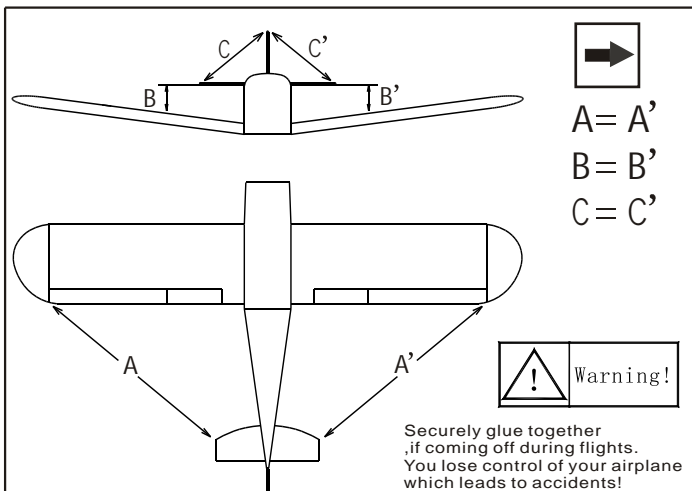


Hinge

- 3
- 45mm wheel ---1
- 6mm nut ---1
- 6X9 screw ---1
- 3X3mm Screw ---3
- 3.2mm Nylon Collar ---1
- M3X20 Tp screw ---3
- 3.2mm Rocker ---1
- 3.2mm Collar ---2

6

Horizontal/Vertical tail



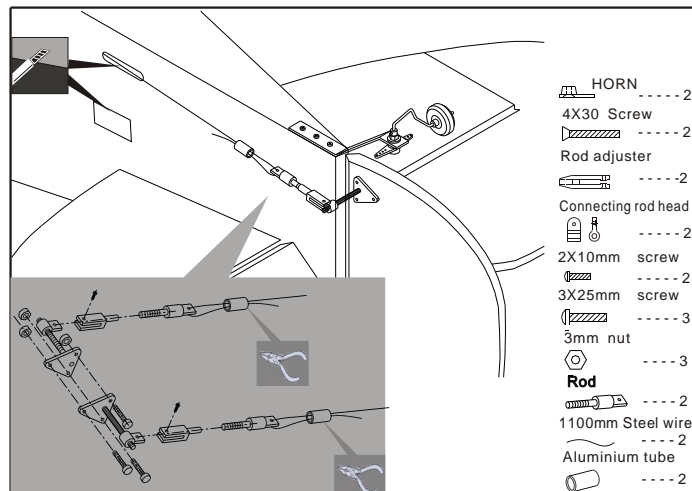
A = A'
B = B'
C = C'



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

9

Install the rudder servo

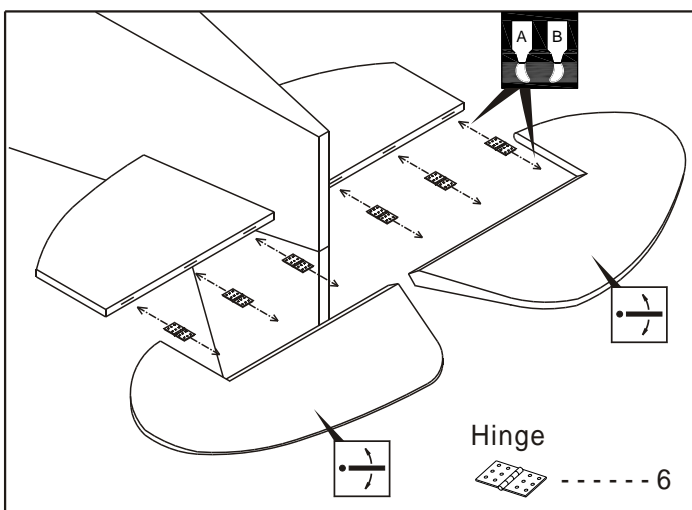


HORN

- 4X30 Screw ---2
- Rod adjuster ---2
- Connecting rod head ---2
- 2X10mm screw ---2
- 3X25mm screw ---3
- 3mm nut ---3
- Rod ---2
- 1100mm Steel wire ---2
- Aluminium tube ---2

7

Install the elevator

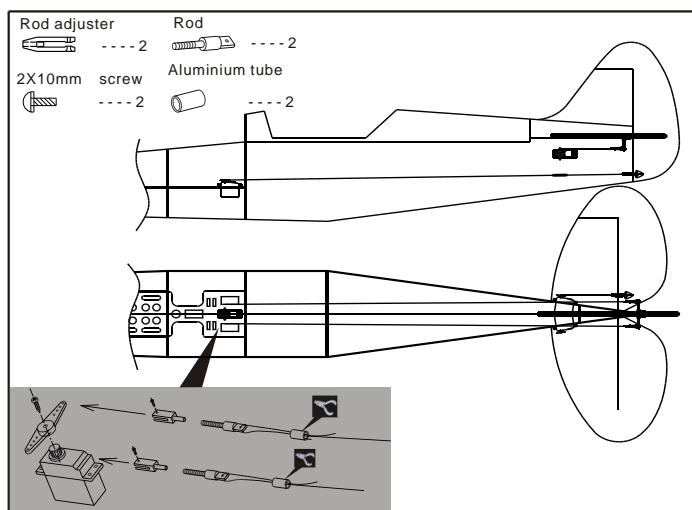


Hinge

- 6

10

Install the rudder servo
















Rod adjuster

- 2
- Rod ---2
- 2X10mm screw ---2
- Aluminium tube ---2

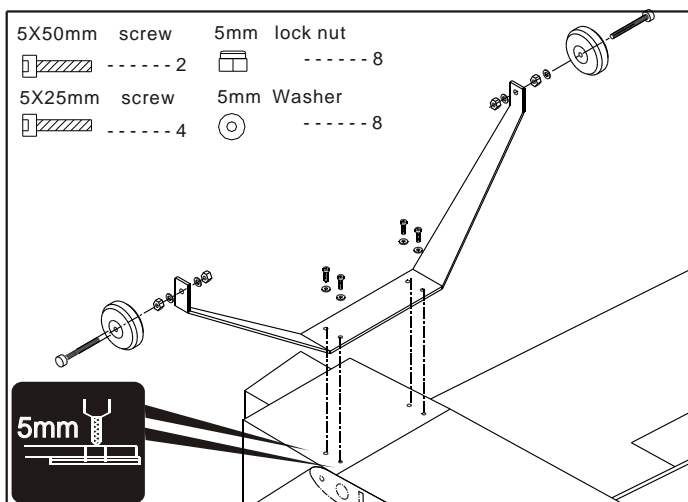


Accessory list for this page.

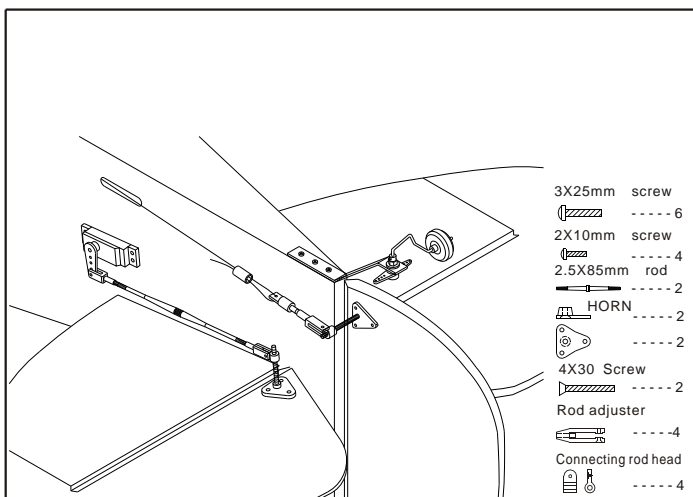
80mm spring 	-----2	 HORN	-----2
3X25mm screw 	-----6	4X30 Screw 	-----2
2X10mm screw 	-----4	Rod adjuster 	-----4
2.5X85mm rod 	-----2	Connecting rod head 	-----4
5X50mm screw 	-----2	5mm lock nut 	-----8
5X25mm screw 	-----4	5mm Washer 	-----8
3X16mm screw 	-----8	3mm Washer 	-----8








13 Install the main landing gear

5X50mm screw 	-----2	5mm lock nut 	-----8
5X25mm screw 	-----4	5mm Washer 	-----8





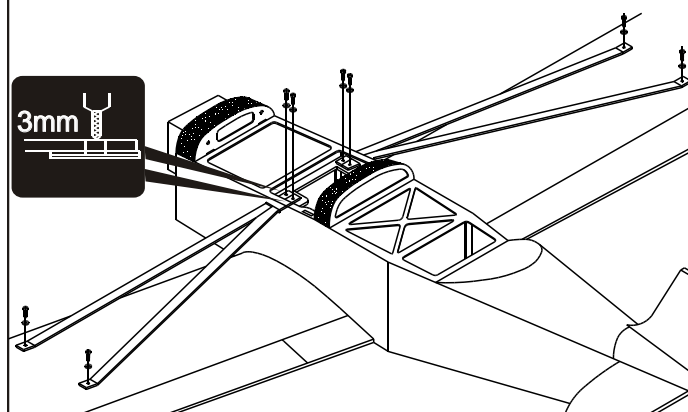
11 Install the elevator servo



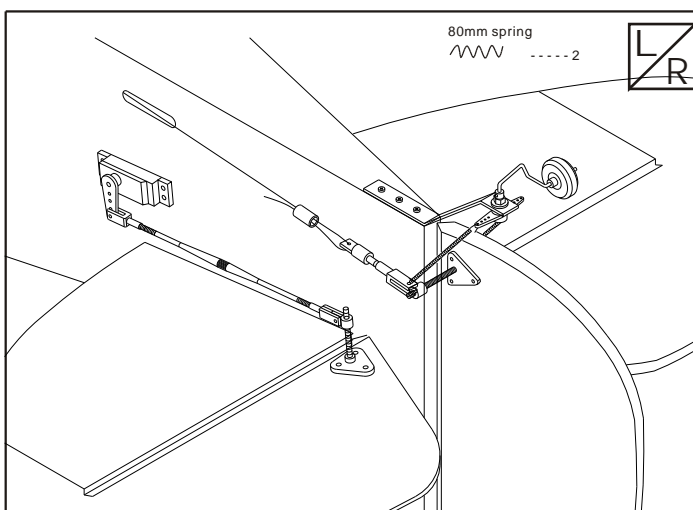
3X25mm screw 	-----6
2X10mm screw 	-----4
2.5X85mm rod 	-----2
HORN 	-----2
4X30 Screw 	-----2
Rod adjuster 	-----4
Connecting rod head 	-----4


14 Install the wing support

3X16mm screw 	-----8	3mm Washer 	-----8
---	--------	---	--------

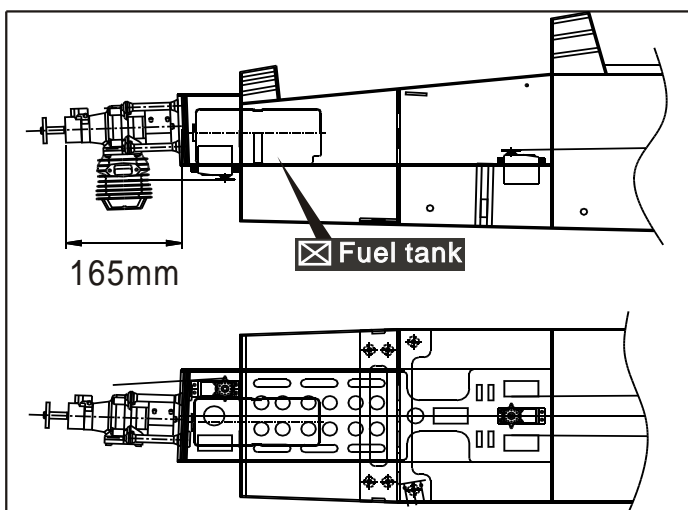


12 Install the rudder servo



80mm spring 	-----2
--	--------

15 Install the engine





Accessory list for this page.

3X20mm screw 2.6X12mm Tp screw



----- 1



----- 1

3X12mm screw 3mm Washer



----- 4



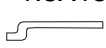
----- 8

Linkage Stopper



----- 1

1.8X150mm Rod



----- 1

2mm Nut



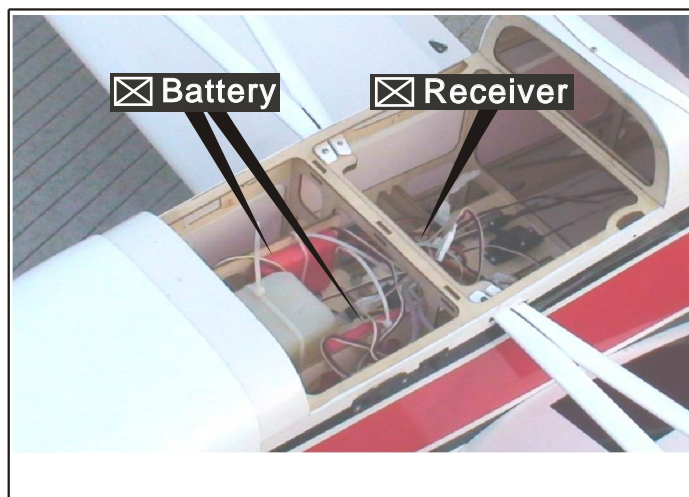
----- 1

3X3mm Screw

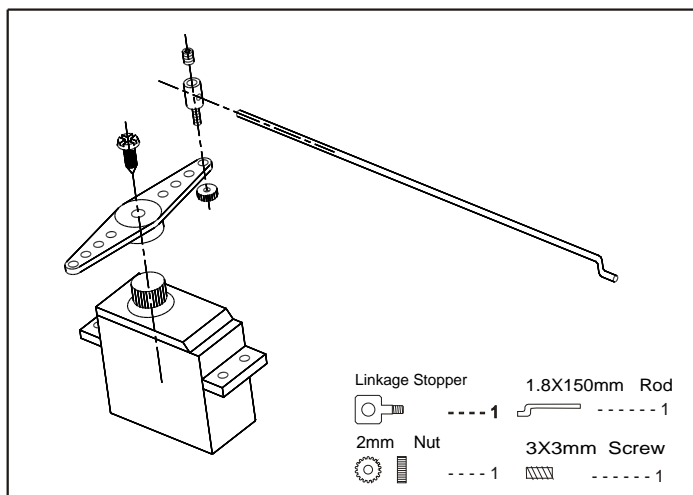


----- 1

18 Radio Equipment



16 Install the throttle servo



Linkage Stopper



1.8X150mm Rod



----- 1

2mm Nut



3X3mm Screw



----- 1

19 Install the canopy

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



3X20mm screw 2.6X12mm Tp screw 3mm Washer



----- 1



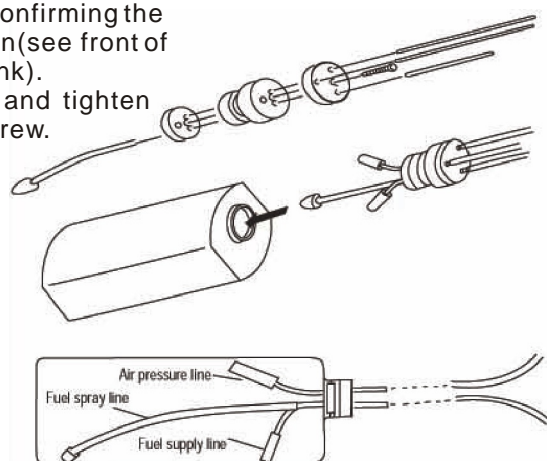
----- 1



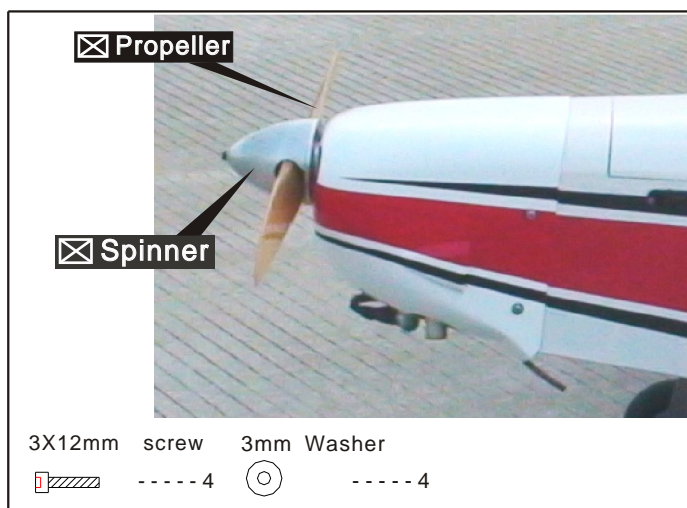
----- 4

17 Install the fuel tank

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



20 Install the cowling



3X12mm screw 3mm Washer



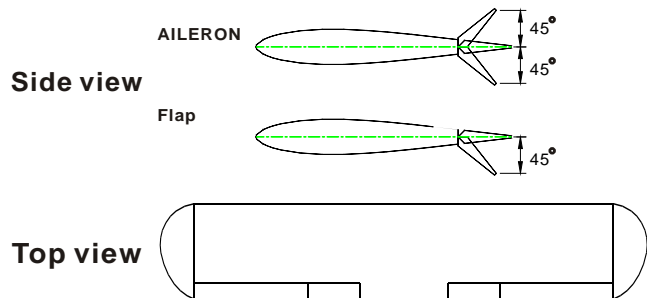
----- 4



----- 4

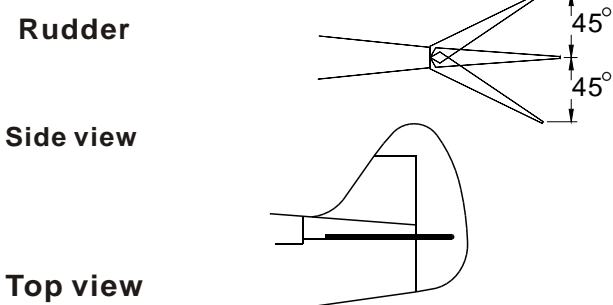
21 Adjustment.

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.



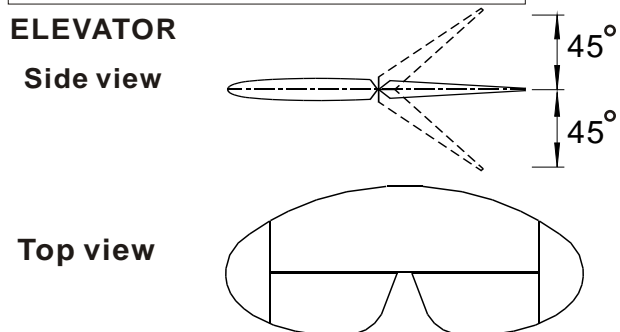
23 Adjustment

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.



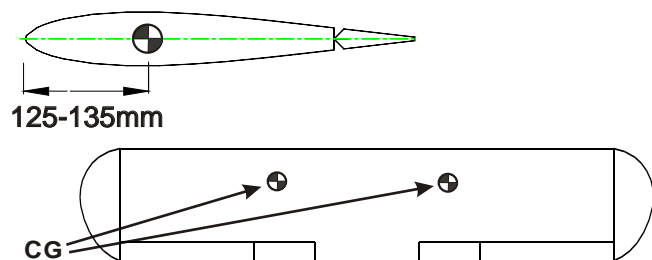
22 Adjustment.

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.



24 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.**