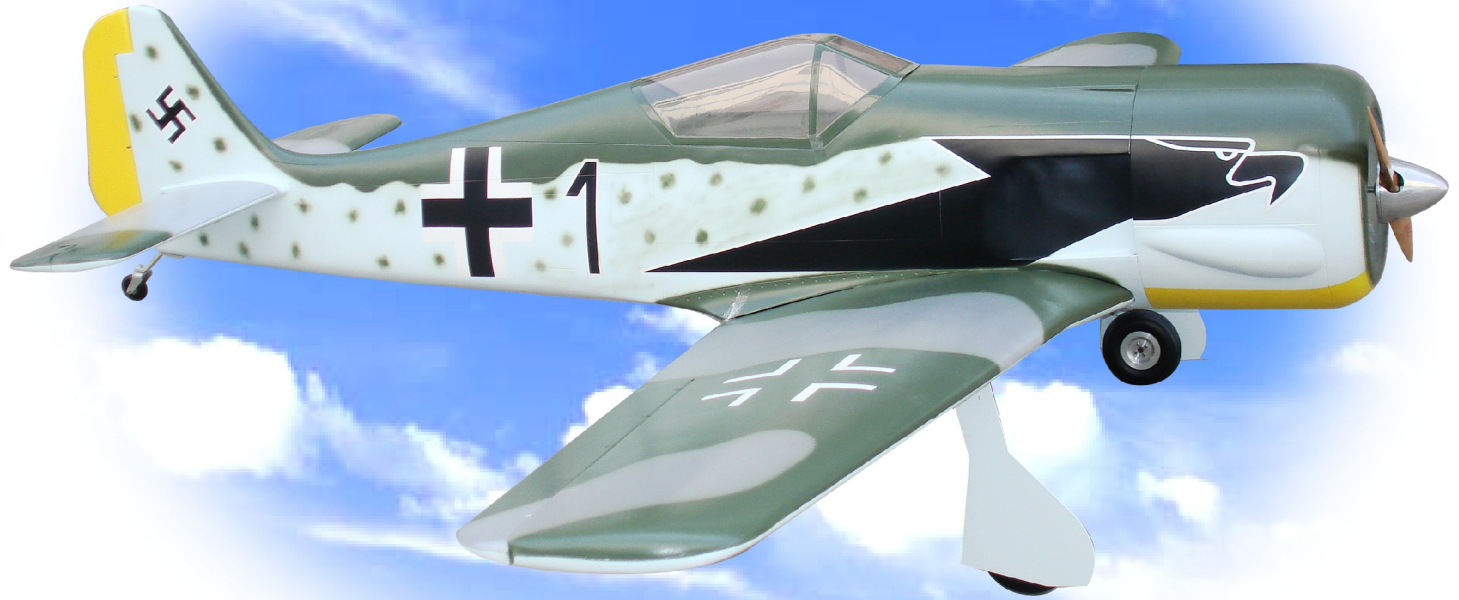


Before commencing assembly, please read these instructions thoroughly.



FW 190



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: 2400mm (94.5in)
Wing Area: 97dm² (1503.9sq.in)
Total Length: 2010 mm (79.1 in)
Engine :80-100cc gas engine
Radio : 6 channels ,9 servos

REQUIRED FOR OPERATION (Purchase separately)

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

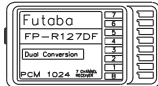


CAUTION: Only use a minimum 6channel radio for airplanes! (No other radio may be used!)

A minimum 4 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:50cc gas engine

DA 50R



Muffler



Ignition



3W 50i



Muffler



Ignition



- 5 Glue



Epoxy Glue



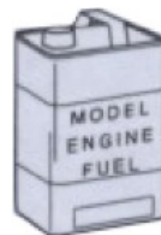
Instant glue

- 6 required for engine starting

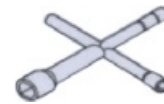


WARNING: Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump



Plug Wrench

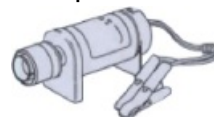
- 7 Silicone Tube



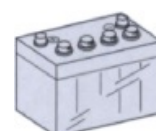
Fuel Filter



- 8 Other equipment for enhancing airplane operation & performance



Engine Starter



12V Battery (for starter)

- 9 Purchase a propeller that will match your engine



20X10----22X10

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



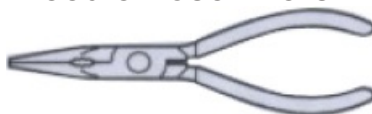
Phillips Screw Driver



Awl



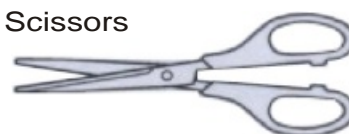
Needle Nose Pliers



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!

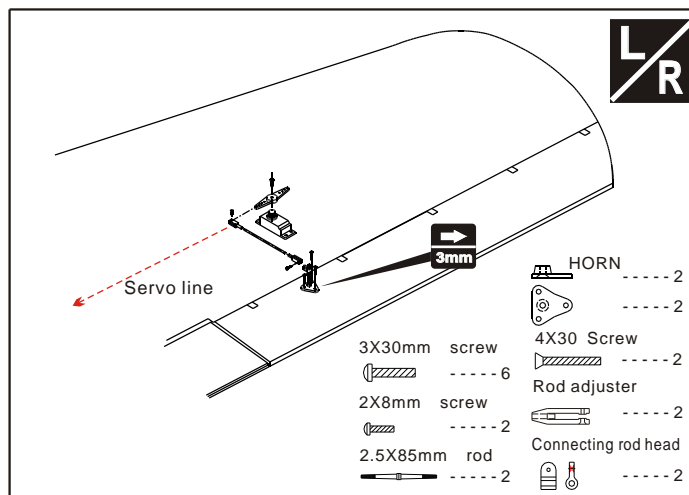
Do not overlook this symbol.



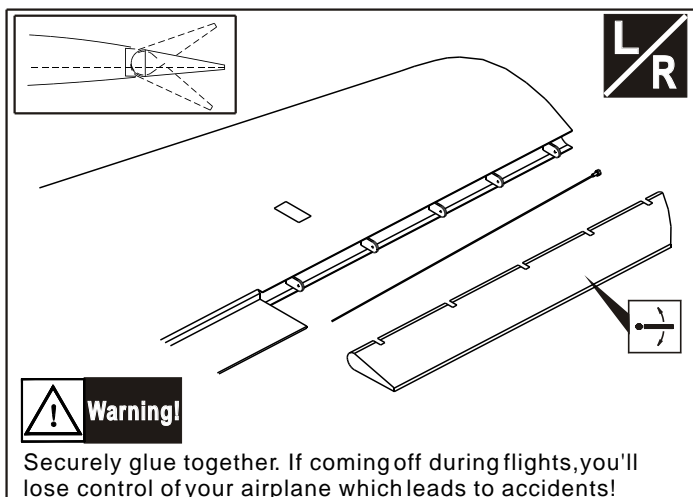
Accessory list for this page.

	HORN	----- 4		3X12mm Tp screw	----- 6
	4X30 Screw	----- 2		3X30mm screw	----- 6
	Rod adjuster	----- 4		2X8mm screw	----- 4
	Connecting rod head	----- 4		Hinge	----- 6
	2.5X85mm rod	----- 4			

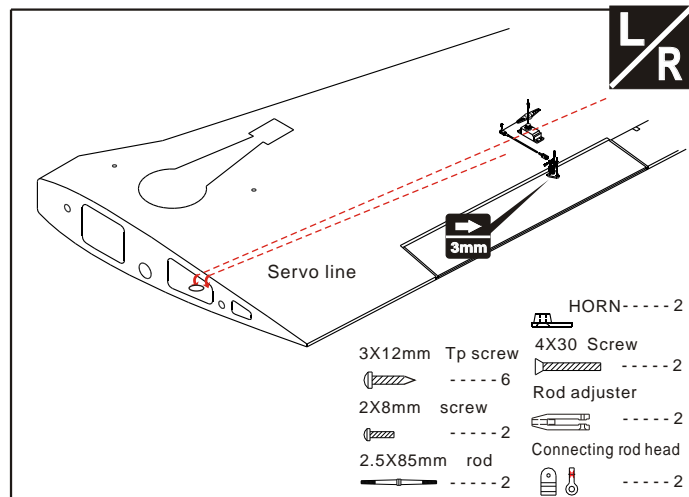
3 Install the servo of aileron



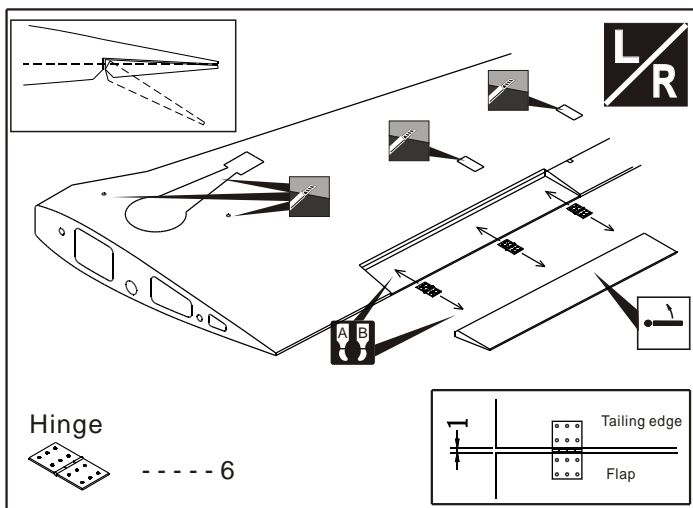
1 Install the aileron



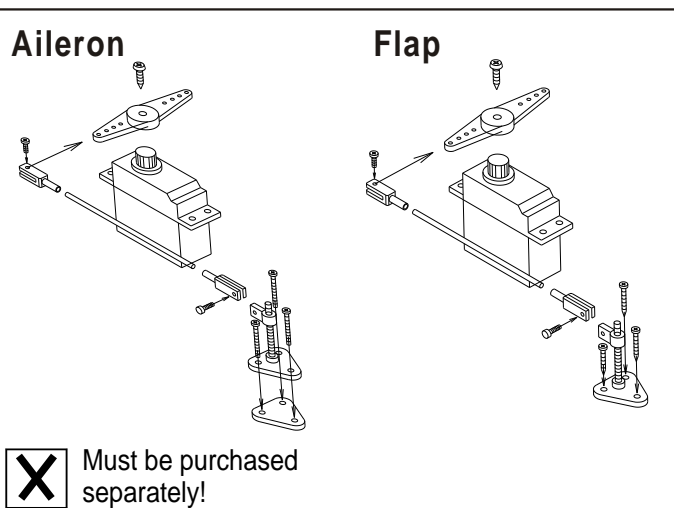
4 Install the servo of flap



2 Please notice the illustration below when epoxy the pin hinges to the aileron



5 Install the servo





Accessory list for this page.

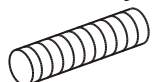
2mm plywood

 - - - - - 1

8mm nylon Nut

 - - - - - 2

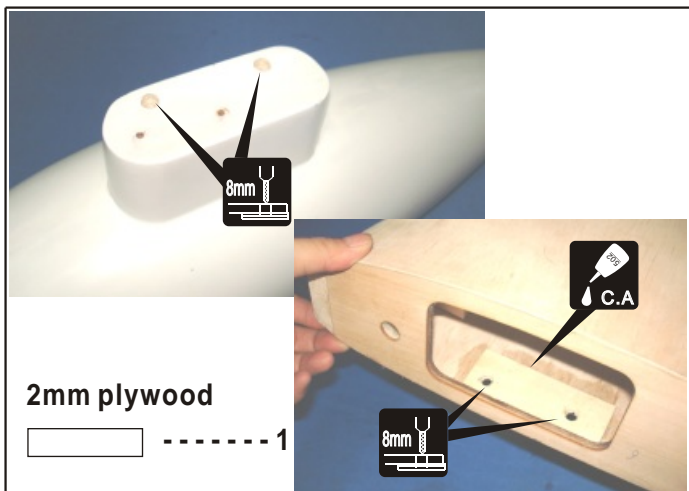
8mm nylon screw

 - - - - - 2

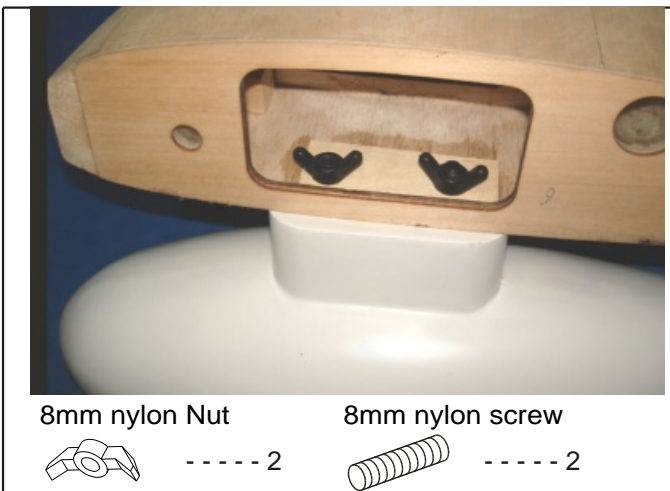
8 Install the missile



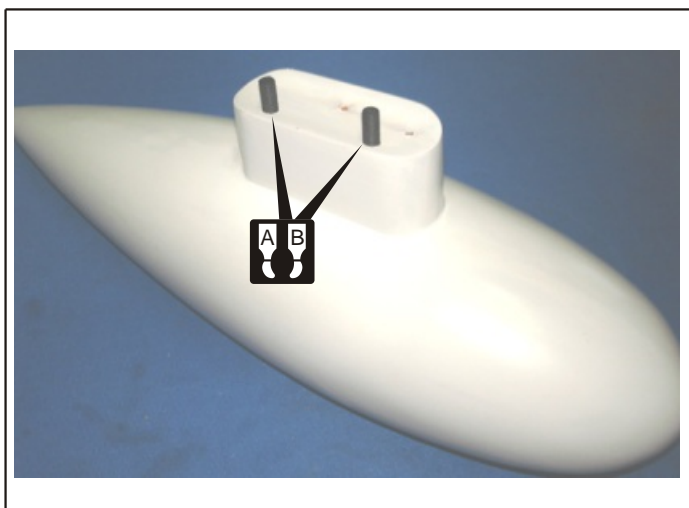
6 Install the missile



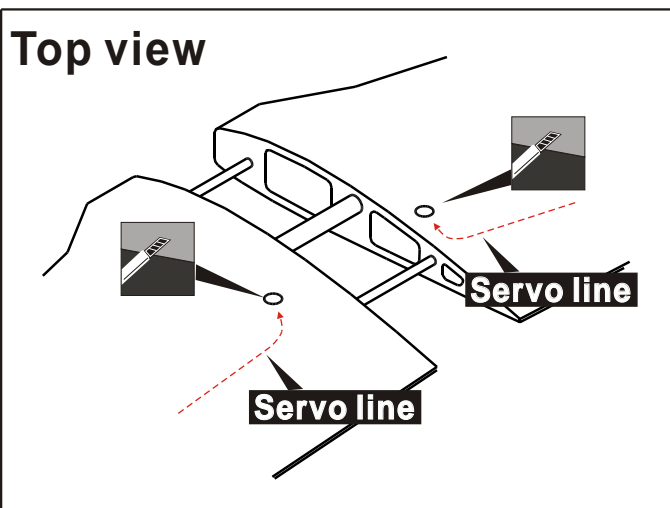
9 Install the missile



7 Install the missile

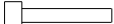


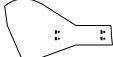








10 Main wing. Before installing screw, the tube need to drill a hole



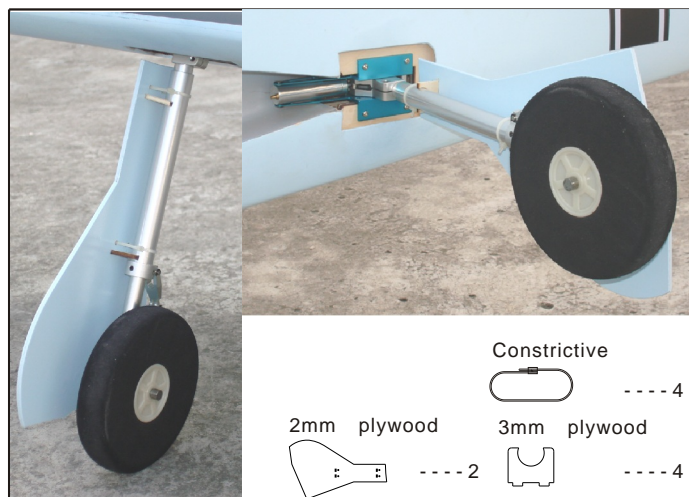


Accessory list for this page.

5X45mm Axletree	Constrictive
 ----- 2	 ----- 4
3X20mm Tp screw	2mm plywood
 ----- 8	 ----- 2
5.2mm Collar	3mm plywood
 ----- 2	 ----- 4
3X3mm screw	4mm Washer
 ----- 2	 ----- 4
4X4mm screw	
 ----- 2	
4X30mm screw	
 ----- 4	

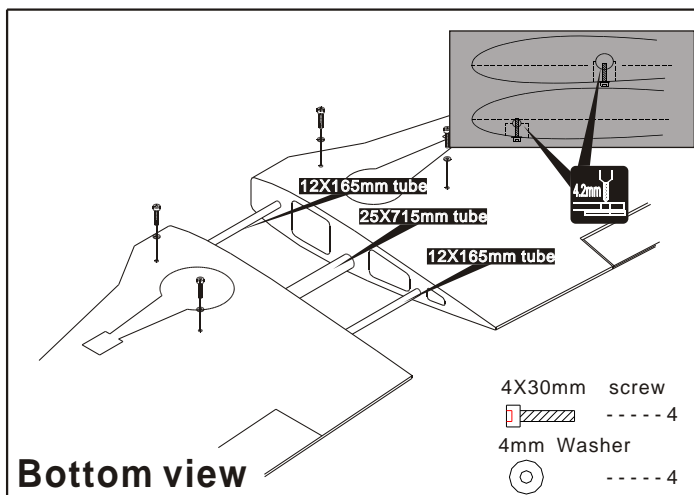
13

Install the main landing gear



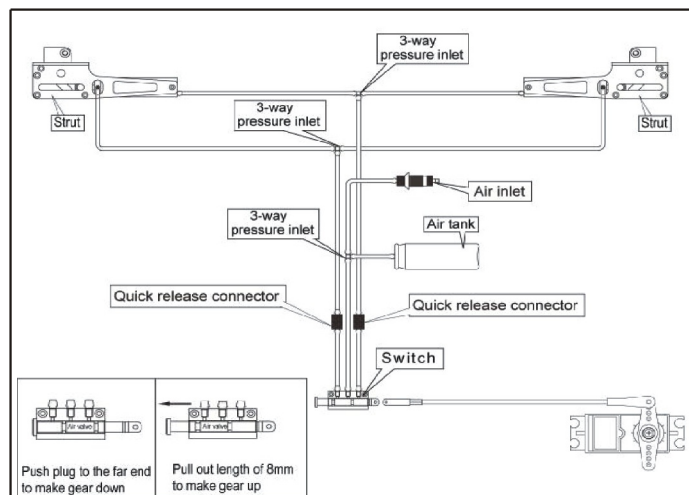
11

Main wing. Before installing screw, the tube need to drill a hole



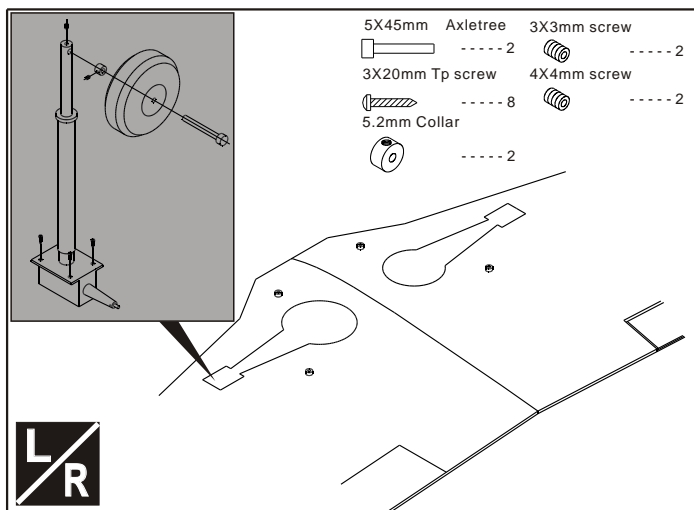
14

Install the main landing gear



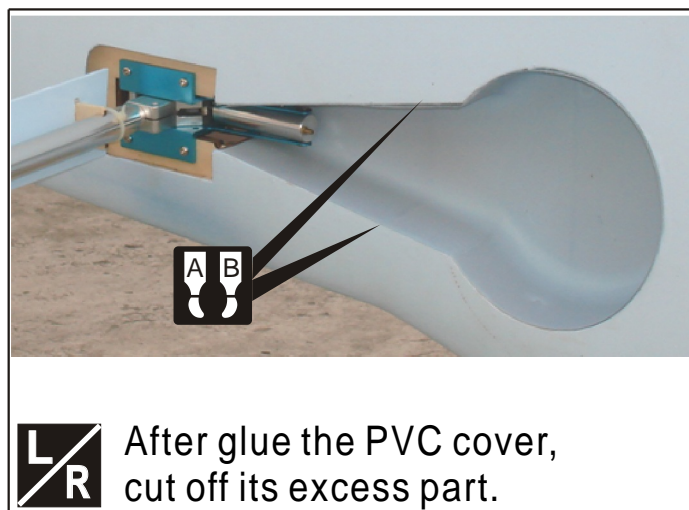
12

Install the main landing gear



15

Install the main landing gear





Accessory list for this page.

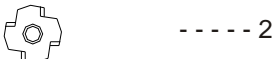
8X40mm Carbon tube



5X50mm screw



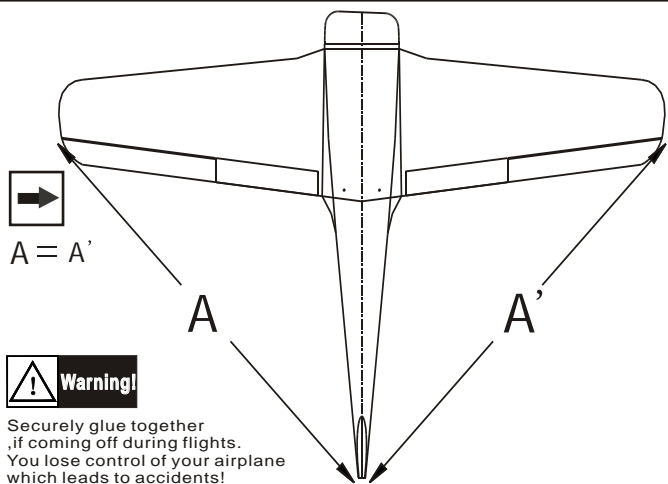
5mm Bind nut



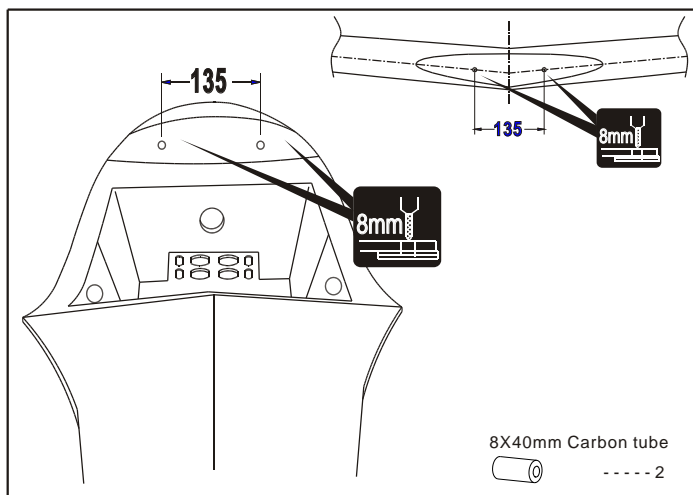
5mm Washer



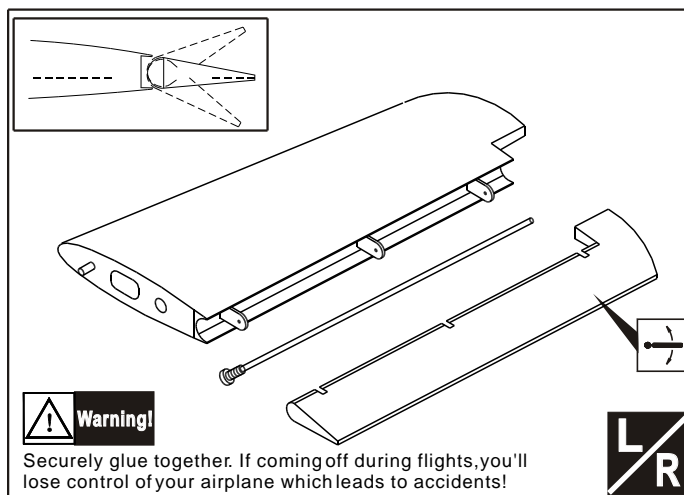
18 Main wing



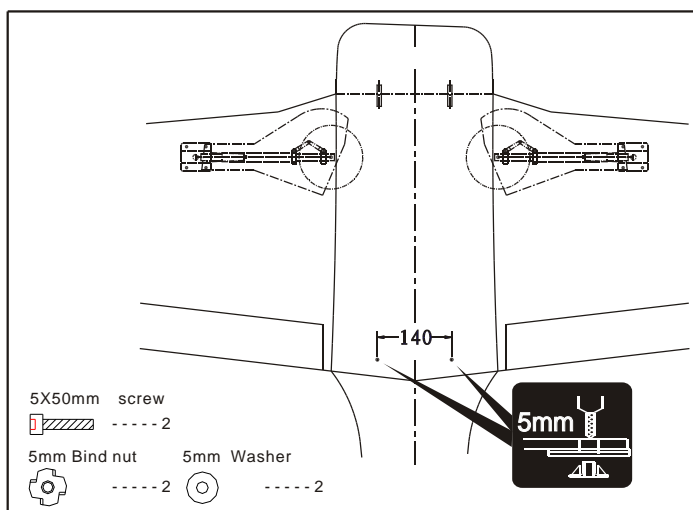
16 Main wing



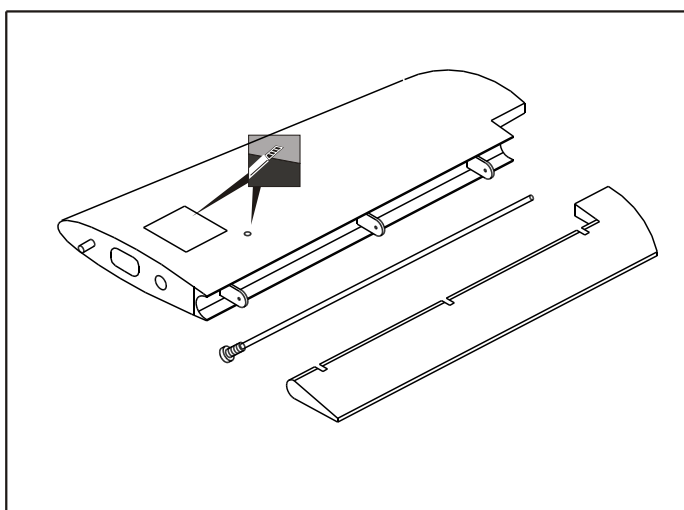
19 Install the elevator



17 Main wing



20 Install the elevator





Accessory list for this page.

HORN	----- 2	3X30mm screw	----- 7	3X3mm Screw	----- 2
4X30 Screw	----- 2	2X8mm screw	----- 2	3.2mm Nylon Collar	----- 2
Rod adjuster	----- 2	2.5X85mm rod	----- 2	4.2mm Collar	----- 1
Connecting rod head	----- 2	2.3X10mm Tp screw	----- 8	3X12 Tp screw	----- 3
4X16mm screw	----- 2	4mm Washer	----- 2	4.2mm Rocker	----- 1
3mm Lock nut	----- 1	4X25mm screw	----- 1		

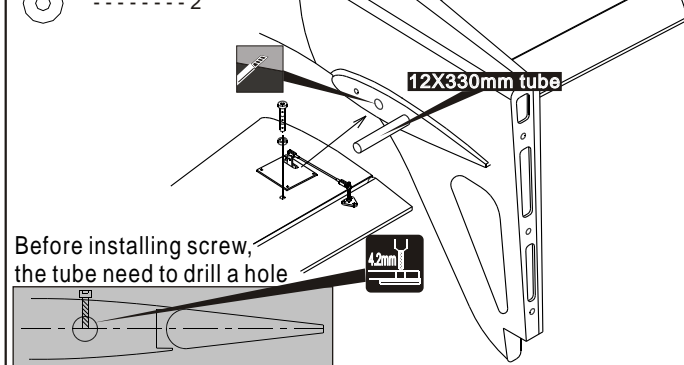
23 Install the elevator, put the servo line into the fuselage

4X16mm screw

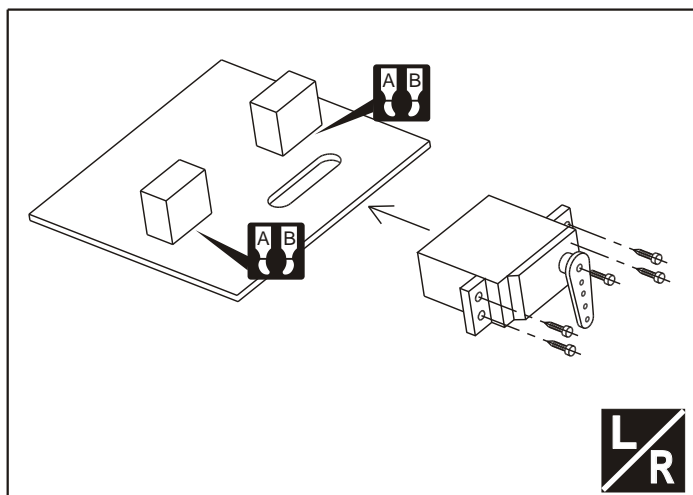
----- 2

4mm Washer

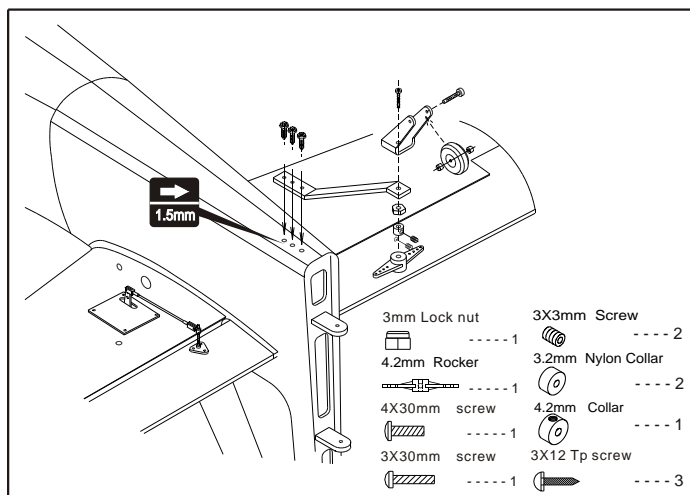
----- 2



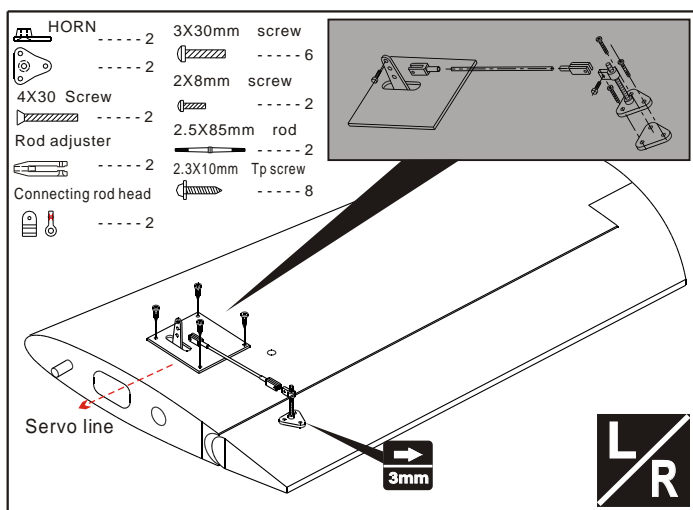
21 Install the servo of elevator



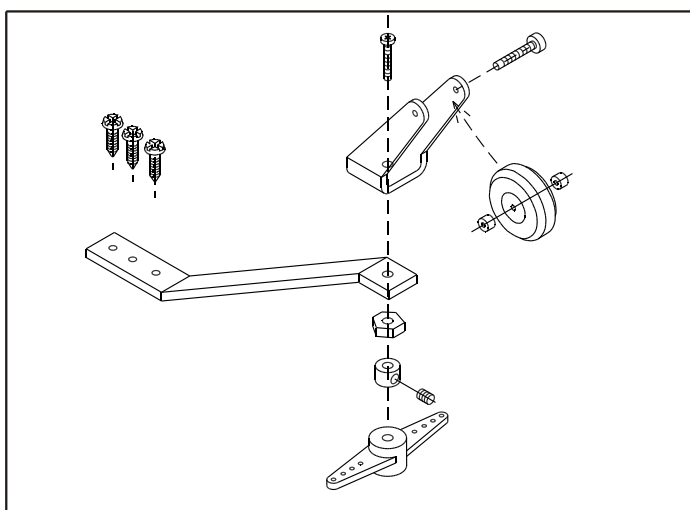
24 Install the rudder and tail wheel



22 Install the servo of elevator



25 Install the rudder and tail wheel





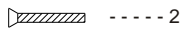
Accessory list for this page.

HORN



----- 2

4X30 Screw



----- 2

Rod adjuster



----- 4

Connecting rod head



----- 4

50mm spring



----- 2

2X8mm screw



----- 4

Rod



----- 4

1400mm Steel wire



----- 2

Aluminium tube



----- 4

3mm nut



----- 3

Linkage Stopper



----- 1

2mm Nut



----- 1

1.8X350mm Rod



----- 1

3X3mm Screw



----- 1

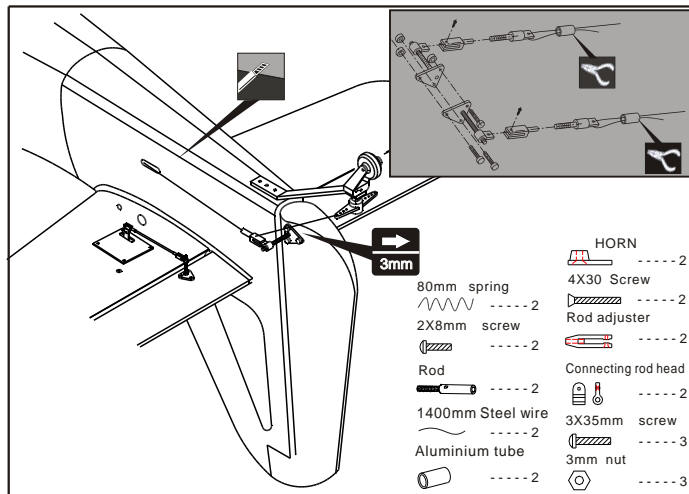
3X35mm screw



----- 3

28

Install the servo of rudder



HORN

----- 2

4X30 Screw

----- 2

Rod adjuster

----- 2

Connecting rod head

----- 2

3X35mm screw

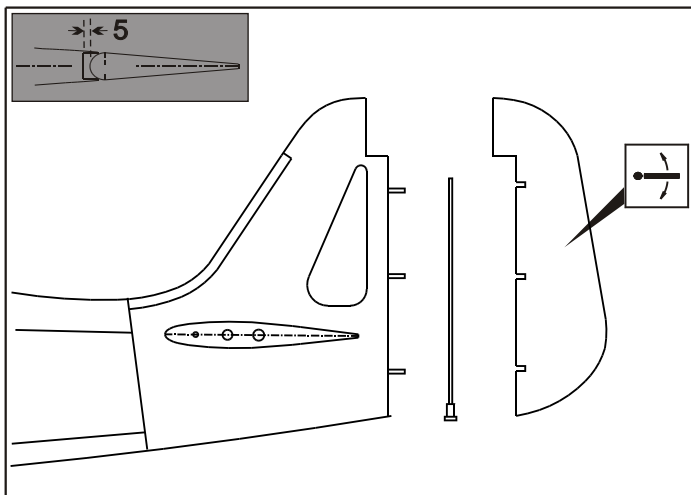
----- 3

3mm nut

----- 3

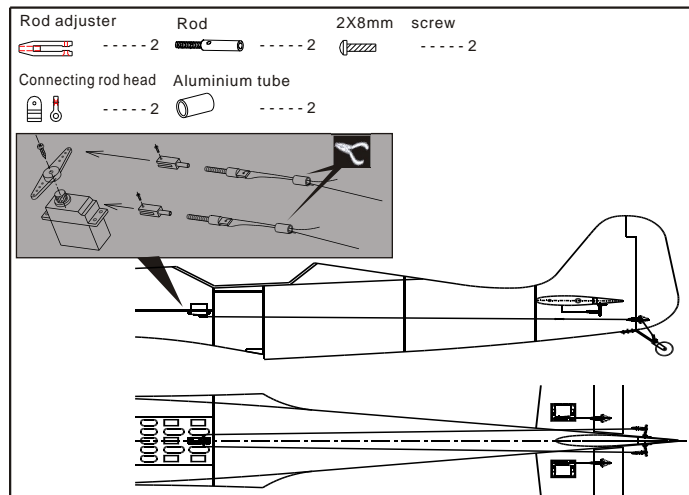
26

Install the rudder and tail wheel



29

Install the rudder and tail wheel



Rod adjuster



----- 2

Rod



----- 2

2X8mm screw



----- 2

Connecting rod head



----- 2

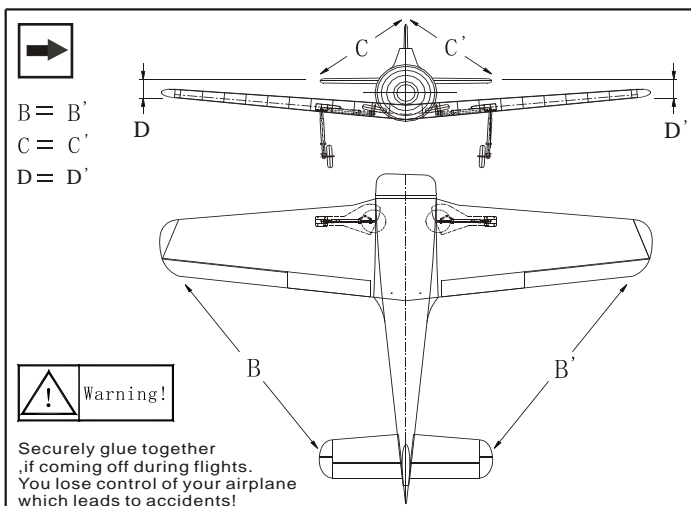
Aluminium tube



----- 2

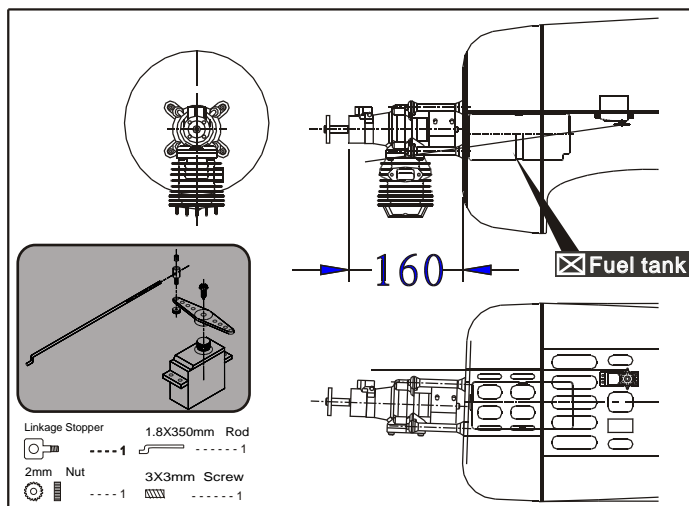
27

Horizontal/Vertical tail



30

Install the engine. Engine:50cc



Linkage Stopper



----- 1

2mm Nut



----- 1

1.8X350mm Rod



----- 1

3X3mm Screw

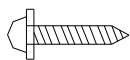


----- 1



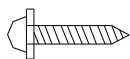
Accessory list for this page.

2.3X10mm Tp screw



----- 4

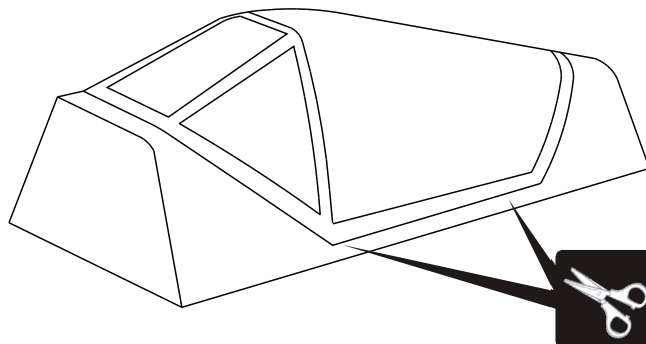
2.6X12mm Tp screw



----- 6

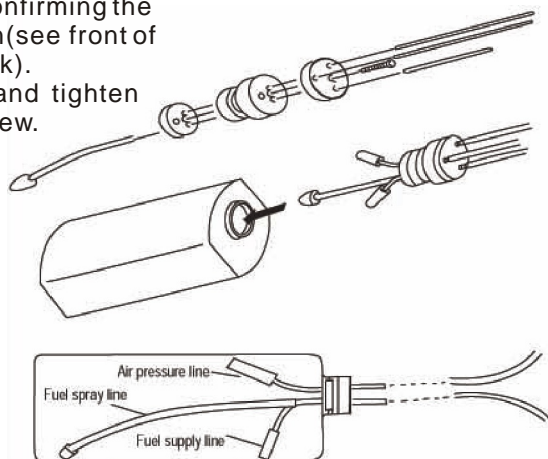
33 Install the canopy

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



31 Assembly of the full tank

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



34 Install the canopy

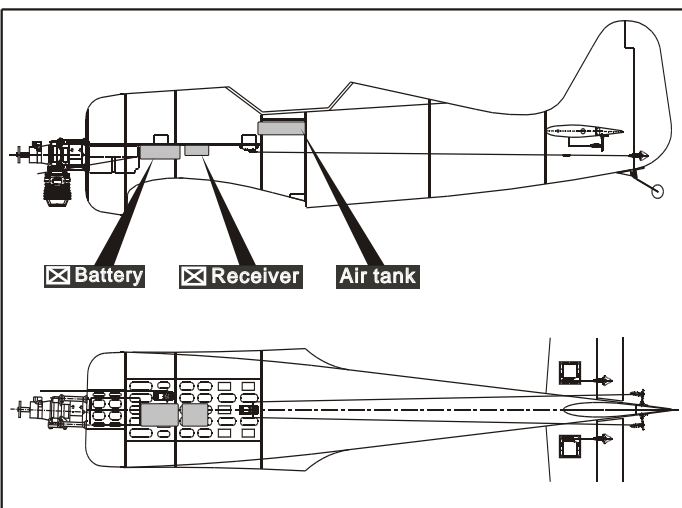


2.3X10mm Tp screw

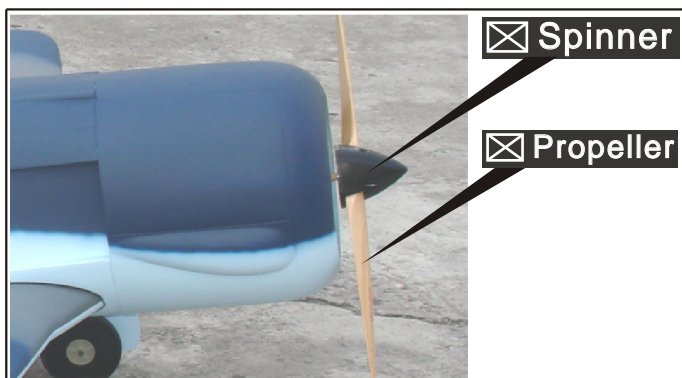


----- 4

32 Radio Equipment



35 Install the cowling



2.6X12mm Tp screw

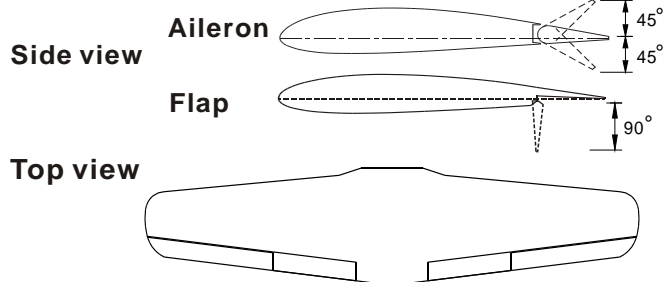


----- 6

36 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.

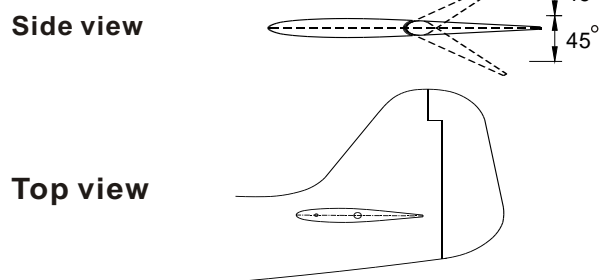
AILERON



38 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.

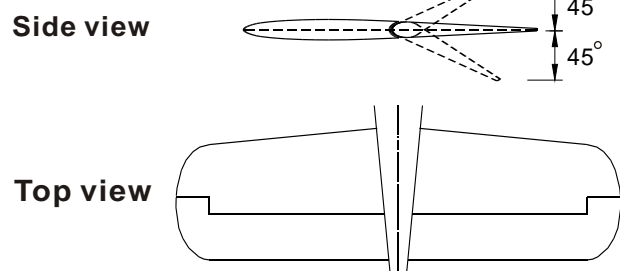
Rudder



37 Adjustment.

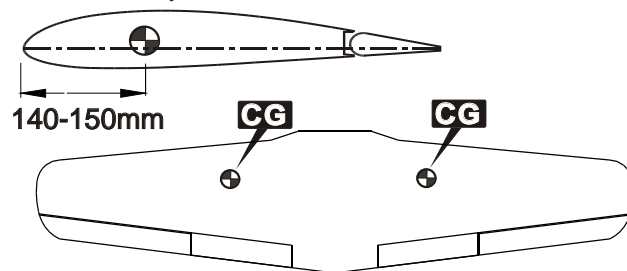
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR



39 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.