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Sopwith Camel

Item Nr: CY8075



Instruction Manual

Before commencing assembly, please read these instructions thoroughly.

ALMOST - READY - TO - FLY



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

SPECIFICATION

Wing Span: 2200 mm (86.6 in)
Wing Area: 102.5 dm² (1592 sq.in)
Fuselage Length: 1500 mm (59 in)
Engine : 26cc gas engine
Radio : 4 channels , 7 servos

REQUIRED FOR OPERATION (Purchase separately)

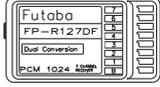
- 1** A minimum 4channel radio for airplanes (with 6servos).
And dry batteries.

CAUTION: Only use a minimum 4channel 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 6 servos) 

- 4** Engine and Muffler
Model Airplane engine:26cc gas engine



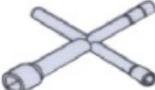
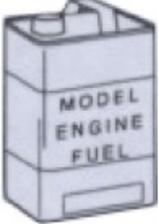
Muffler



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 MODEL ENGINE FUEL

- 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



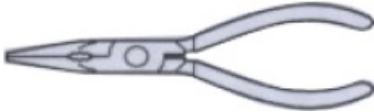
Phillips Screw Driver



Awl



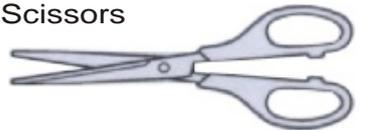
Needle Nose Pliers



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!

 **Warning!**

 Apply instant glue (CA glue,super glue).

 Ensure smooth non-binding movement while assembling.

 Pay close attention here!

Do not overlook this symbol.

 Assemble left and right Sides the same way.

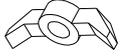
 Cut off shaded portion.

 Cut off excess.



Accessory list for this page.

8mm nylon Nut



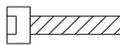
----- 1

8mm Washer



----- 2

4x20mm screw



----- 2

4mm Washer



----- 2

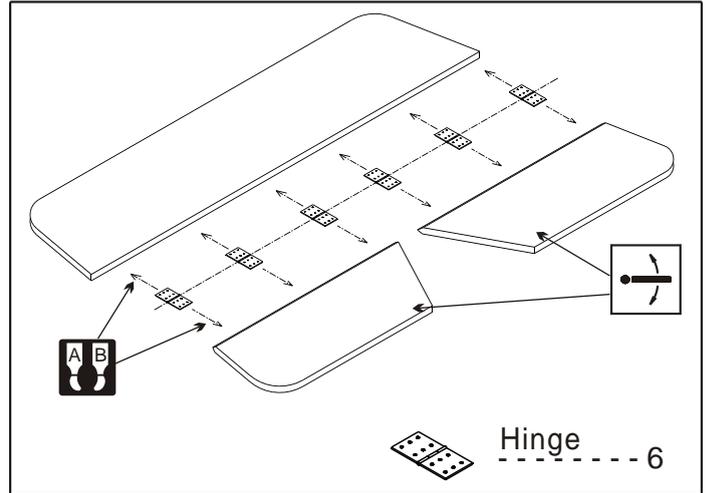
Hinge



----- 9

8

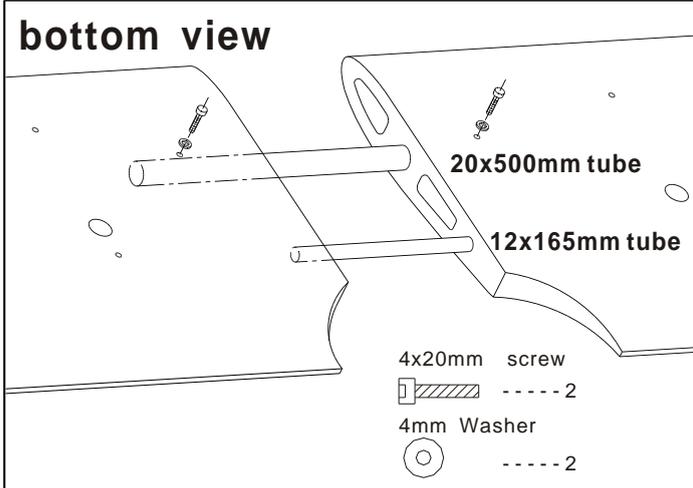
Install the elevator



6

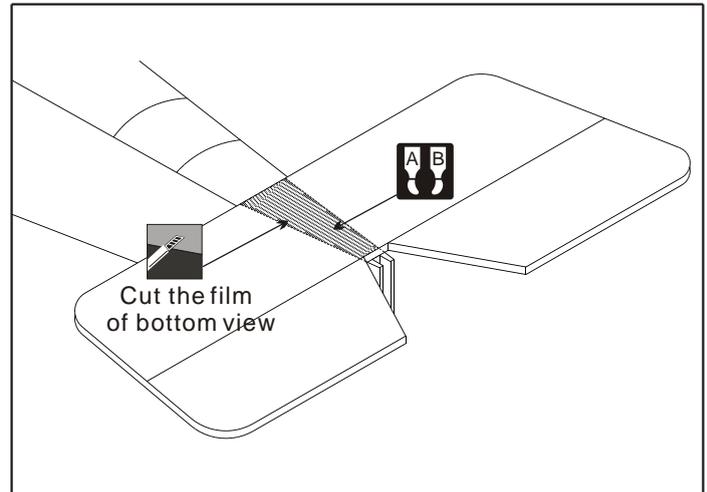
Upper wing

bottom view



9

Install the elevator



7

Below wing

8mm nylon Nut

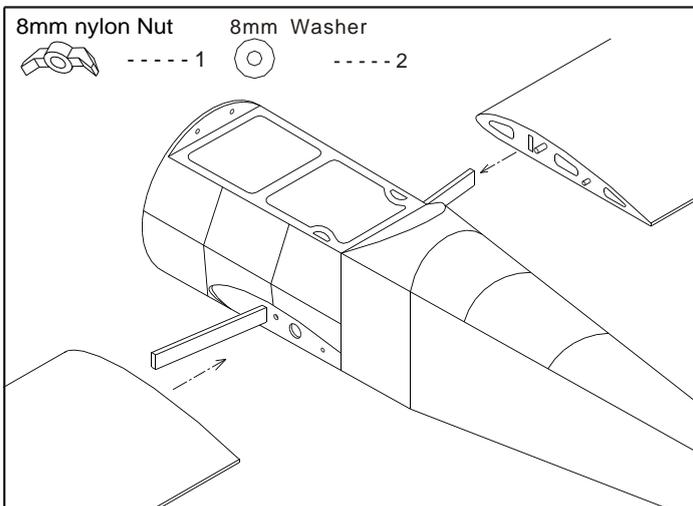


----- 1

8mm Washer

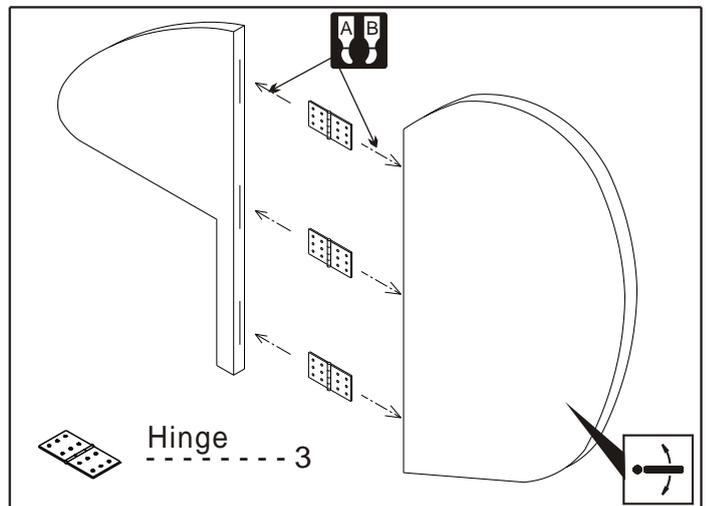


----- 2



10

Install the rudder

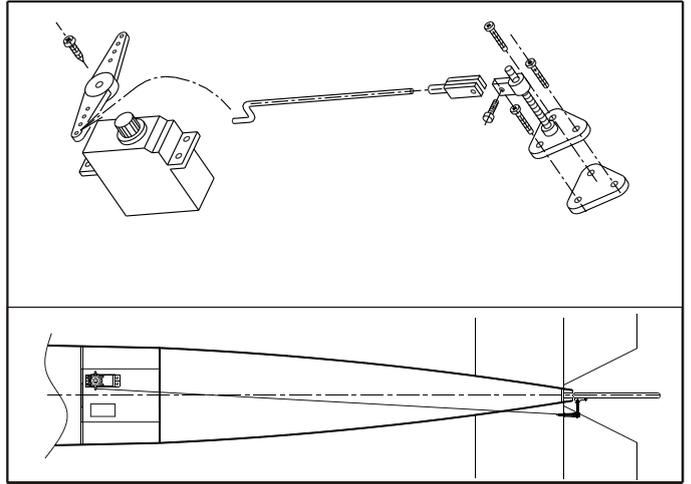




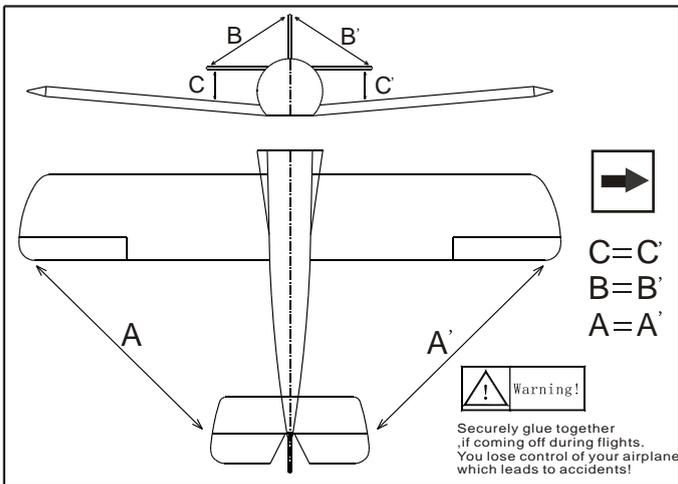
Accessory list for this page.

	----- 3	1.8X795mm rod	
	----- 3		----- 1
Connecting rod head			----- 1
	----- 3		----- 1
Rod adjuster			----- 2
	----- 3		----- 9
2x8mm Screw			
	----- 9		
2x16mm Screw			

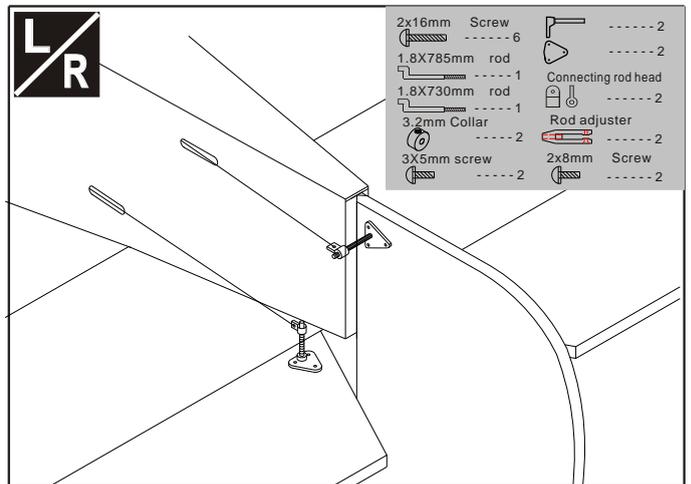
13 Install the rudder servo



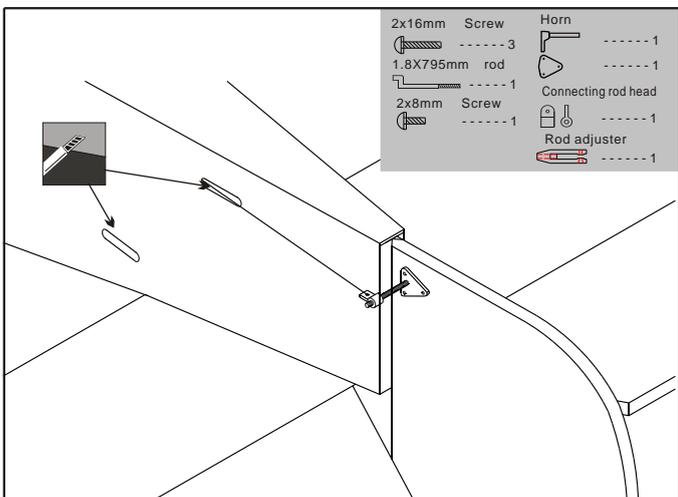
11 Main wing & Horizontal/Vertical tail



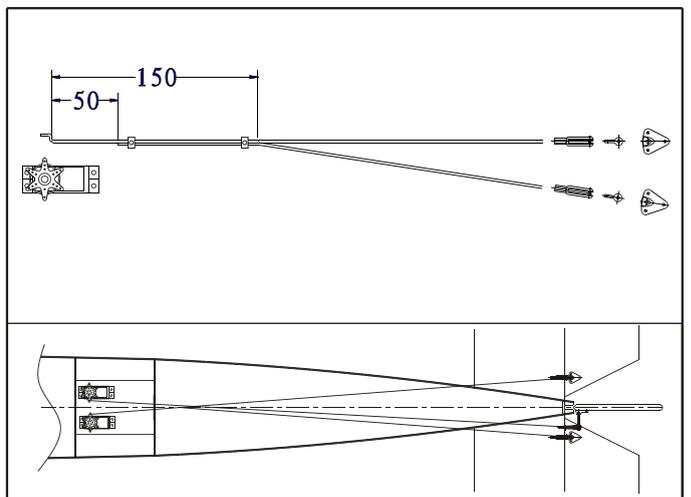
14 Install the elevator servo



12 Install the rudder servo



15 Install the elevator servo





Accessory list for this page.

Pressure plate



----- 6

3X20mm Tp screw



-----12

4.2mm Collar



----- 2

4.2mm Nylon collar



----- 2

3X3mm screw



----- 2

3X16mm screw



----- 10

4X15mm screw



----- 4

4mm Lock nut



----- 4

3mm Washer



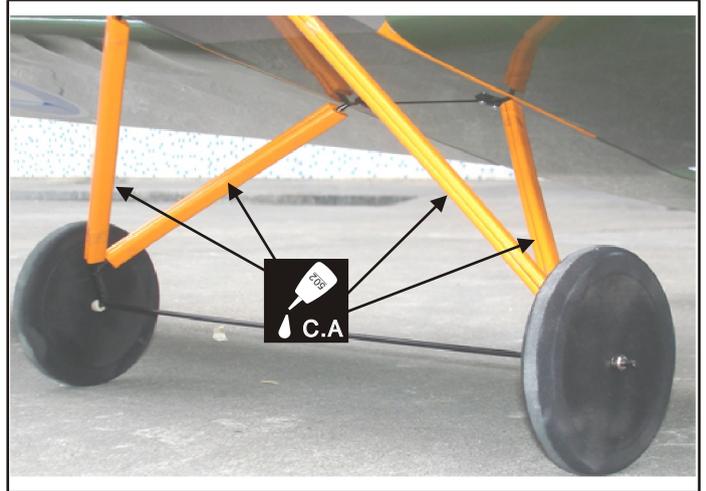
----- 10

4mm Washer

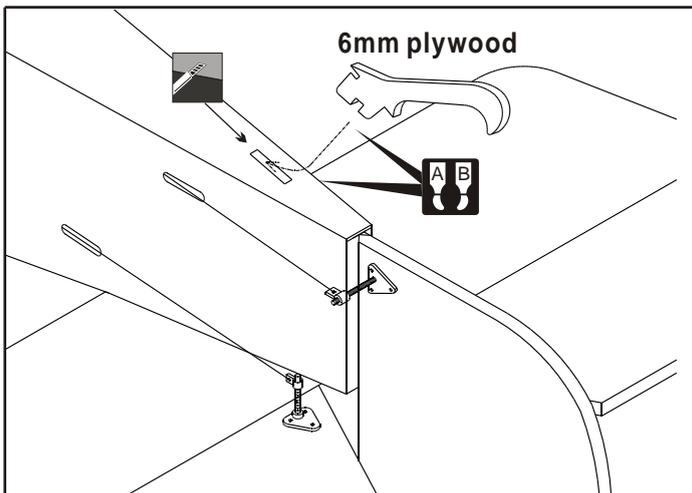


----- 8

18 Install the main landing gear



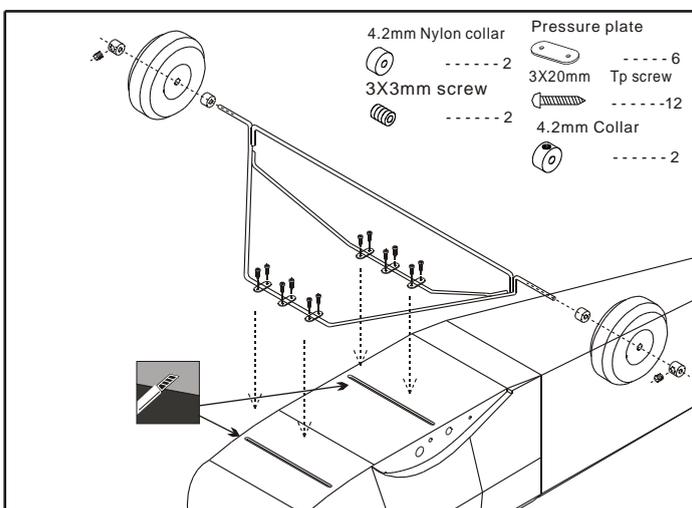
16 Install the tail pry



19 Install the top wing



17 Install the main landing gear



4.2mm Nylon collar



----- 2

3X3mm screw



----- 2

Pressure plate



----- 6

3X20mm Tp screw



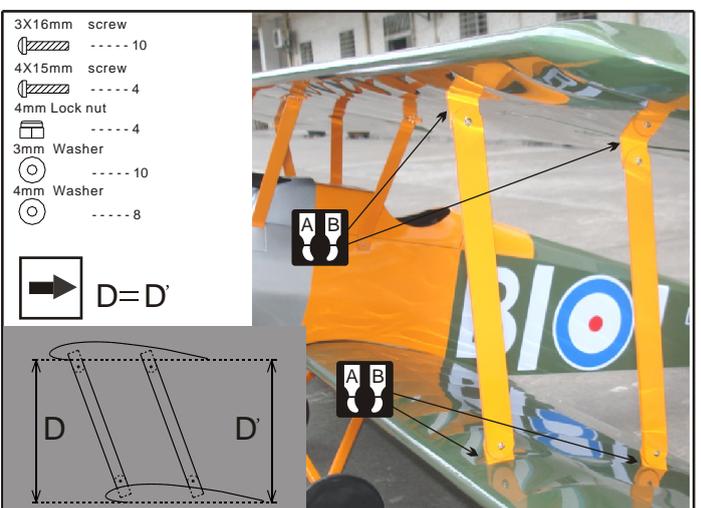
----- 12

4.2mm Collar



----- 2

20 Install the top wing



3X16mm screw



----- 10

4X15mm screw



----- 4

4mm Lock nut



----- 4

3mm Washer



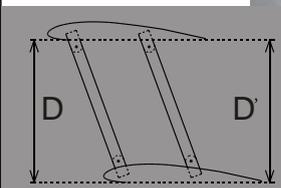
----- 10

4mm Washer



----- 8

D=D'



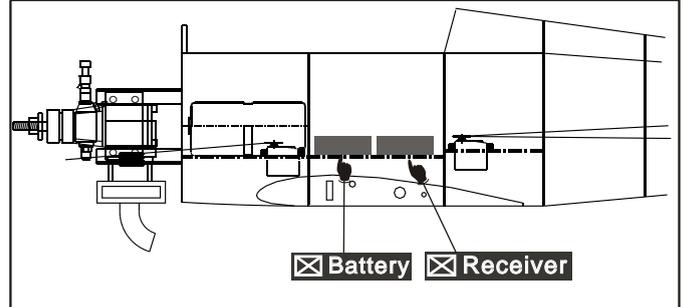


Accessory list for this page.

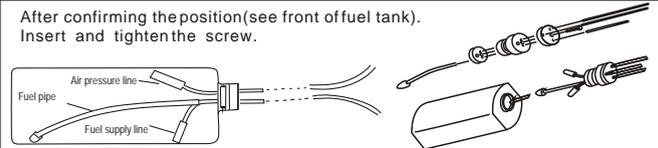
4X25mm screw ----- 8	Linkage Stopper ----- 1
4mm Bind nut ----- 4	2mm Nut ----- 1
4mm Lock nut ----- 4	1.8X270mm Rod ----- 1
4mm Washer ----- 12	3X3mm Screw ----- 1
3X16mm screw ----- 2	2.6X12mm Tp screw ----- 9
3mm Washer ----- 2	

23

Radio Equipment Assembly of the full tank



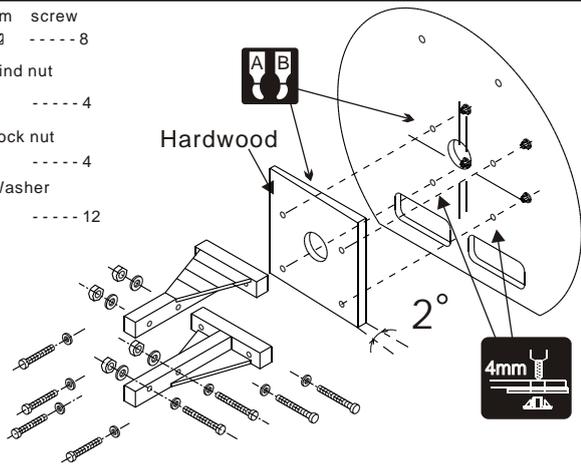
After confirming the position (see front of fuel tank).
Insert and tighten the screw.



21

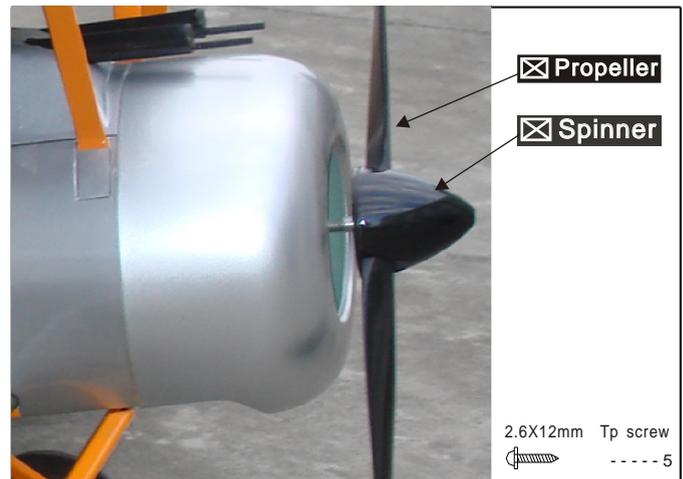
Install the engine mount (2c 1.20cu.in)

4X25mm screw ----- 8
4mm Bind nut ----- 4
4mm Lock nut ----- 4
4mm Washer ----- 12



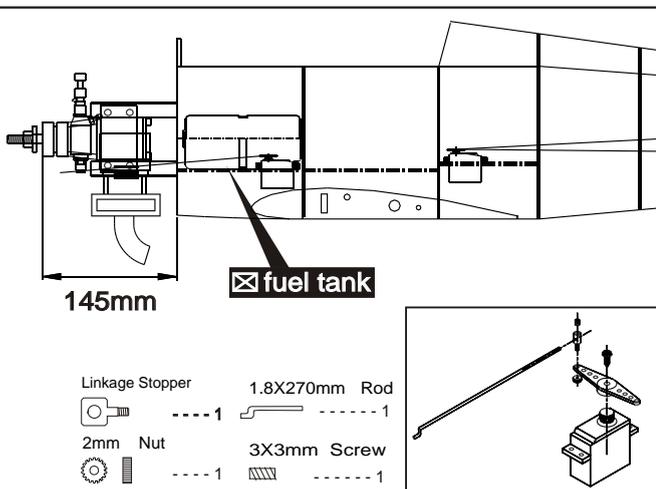
21

Install the cowling



22

Install the engine (2c 1.20cu.in) Can be installed 26 CC gas engine



25

Install the canopy

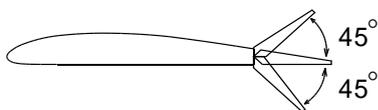


26 Adjustment.

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

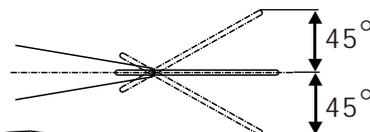


27 Adjustment

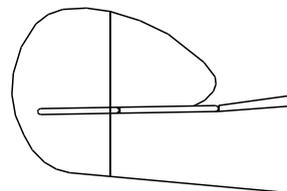
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

Rudder

Side view



Top view



28 Adjustment.

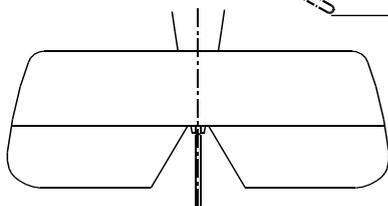
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR

Side view

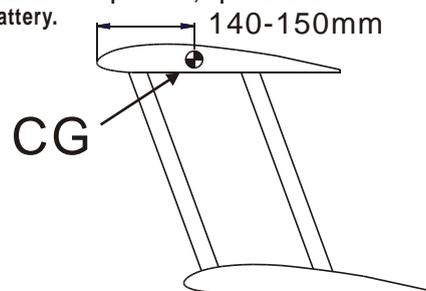


Top view



29 Adjustment.

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



3/4 - ⚠
Warning!

NEVER fly the model without well balancing.