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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 dm<sup>2</sup> (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.

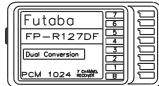


CAUTION: Only use a minimum 4channel radio for airplanes! (No other radio may be used!)

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



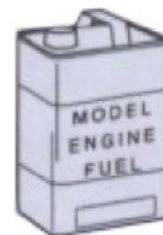
Instant glue

- 6 required for engine starting



WARNING: Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump



Plug Wrench

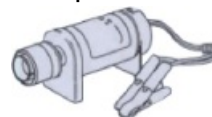
- 7 Silicone Tube



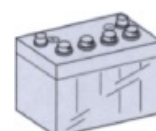
Fuel Filter



- 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



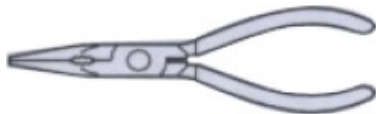
Phillips Screw Driver



Awl



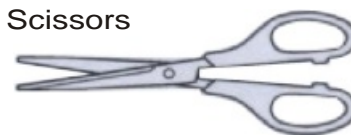
Needle Nose Pliers



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



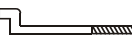
----- 4

2x30mm Screw



----- 12

1.8X90mm rod



----- 4

2.6X12mm Tp screw



----- 16

Connecting rod head



----- 4

Rod adjuster



----- 4

2x8mm Screw



----- 4

Hinge

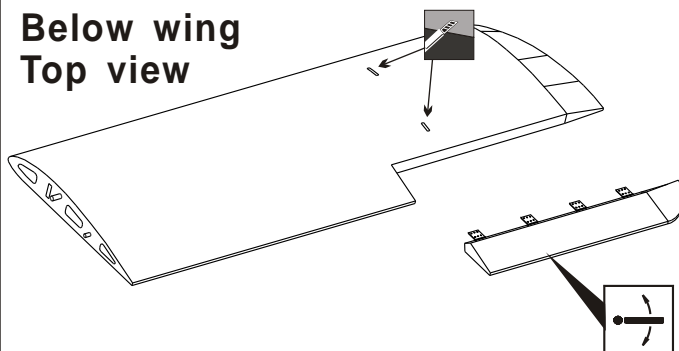


----- 16

# 3

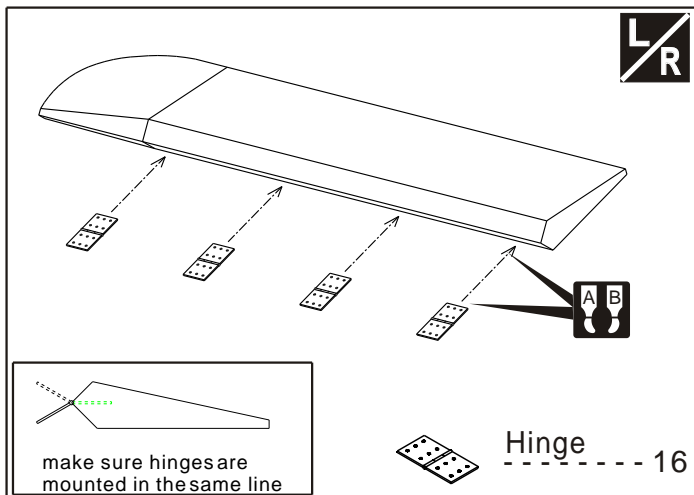
## Install the aileron

Below wing  
Top view



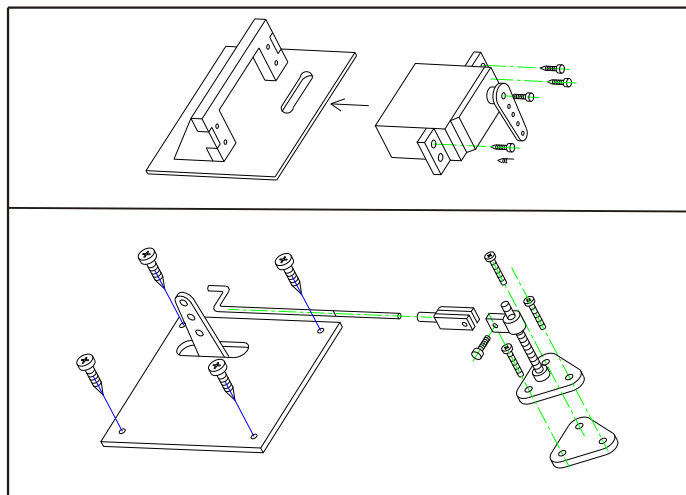
# 1

## Install the aileron



# 4

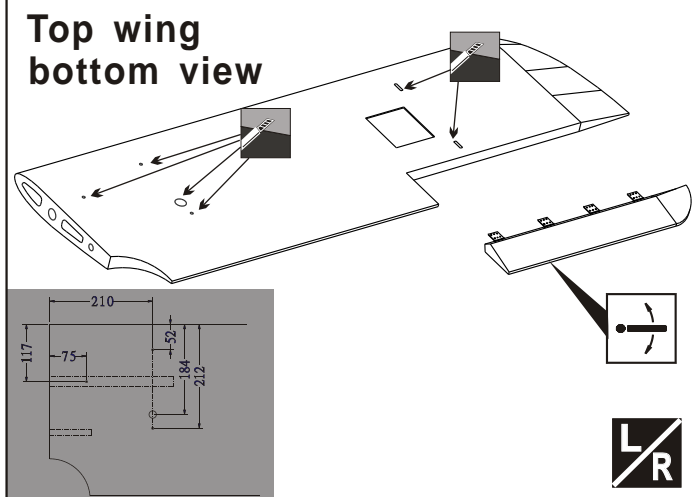
## Install the aileron servo



# 2

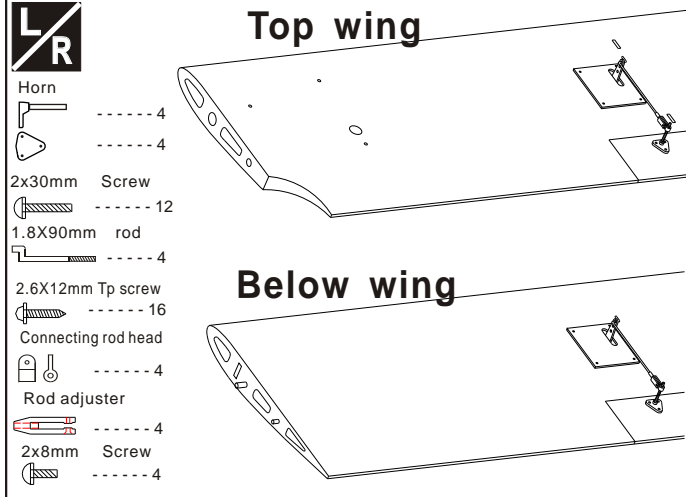
## Install the aileron

Top wing  
bottom view



# 5

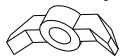
## Install the aileron servo





## Accessory list for this page.

8mm nylon Nut



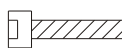
----- 1

8mm Washer



----- 2

4x20mm screw



----- 2

4mm Washer



----- 2

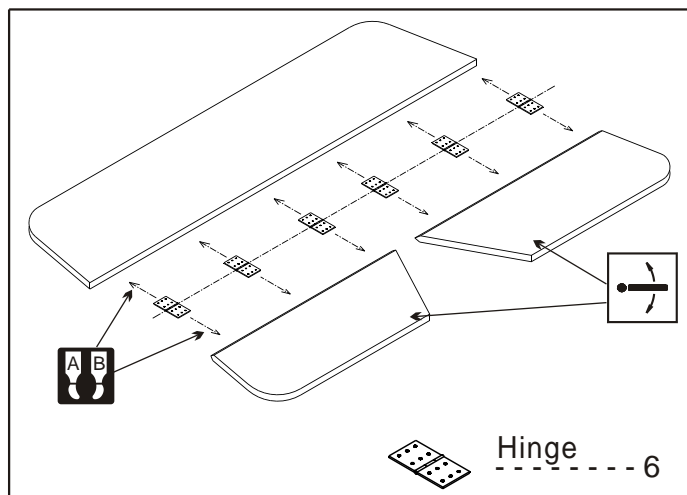
Hinge



----- 9

## 8

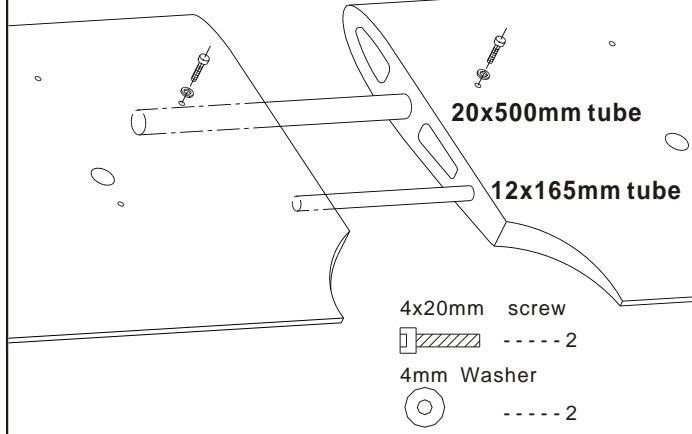
## Install the elevator



## 6

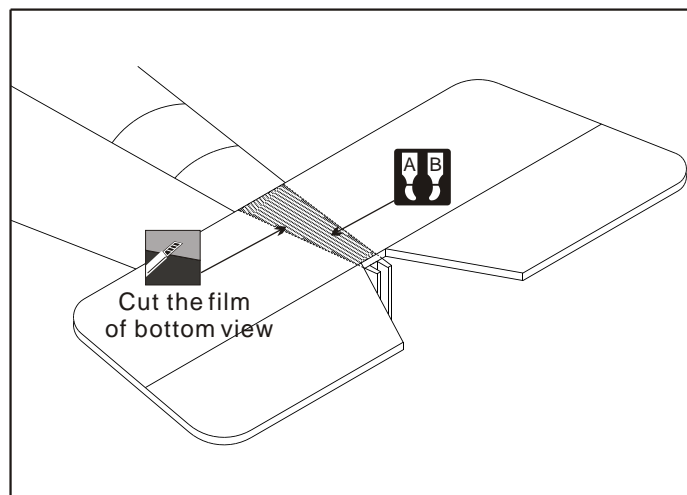
## Upper wing

bottom view



## 9

## Install the elevator



## 7

## Below wing

8mm nylon Nut

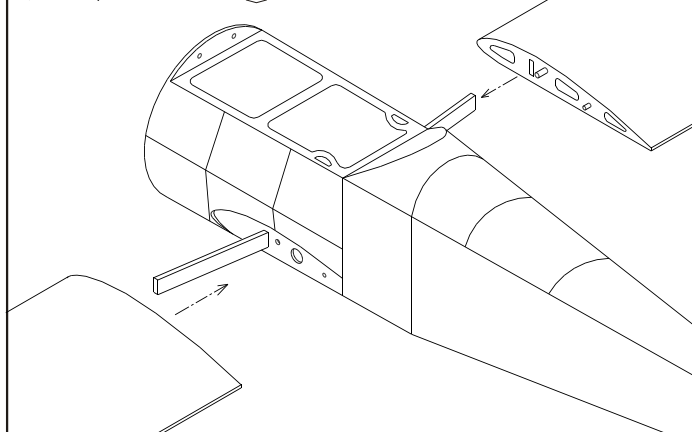


----- 1

8mm Washer

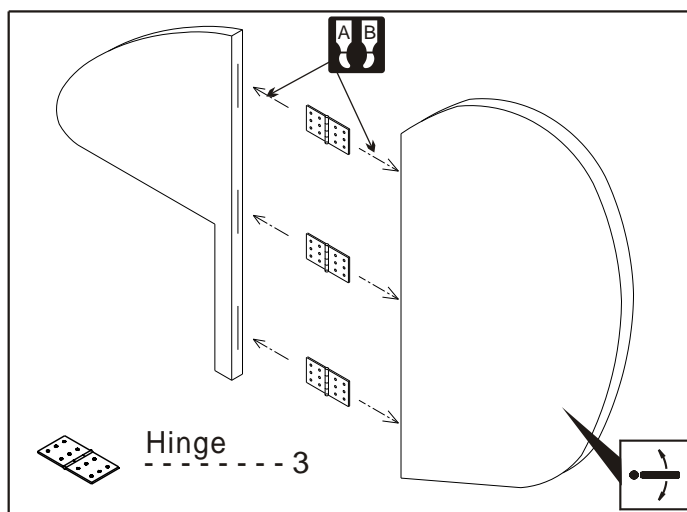


----- 2



## 10

## Install the rudder

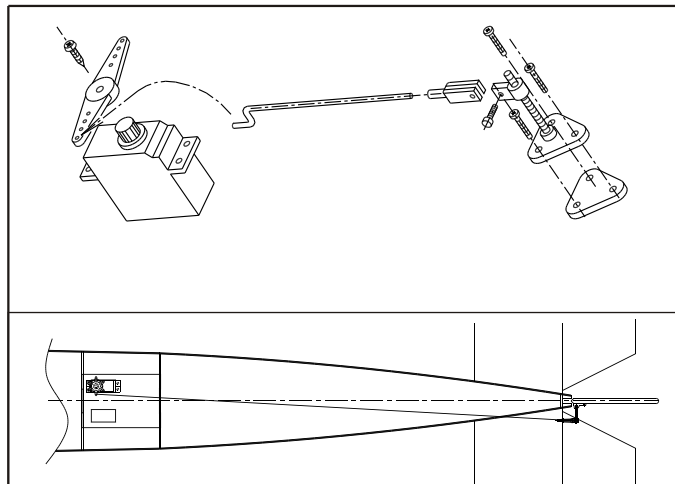




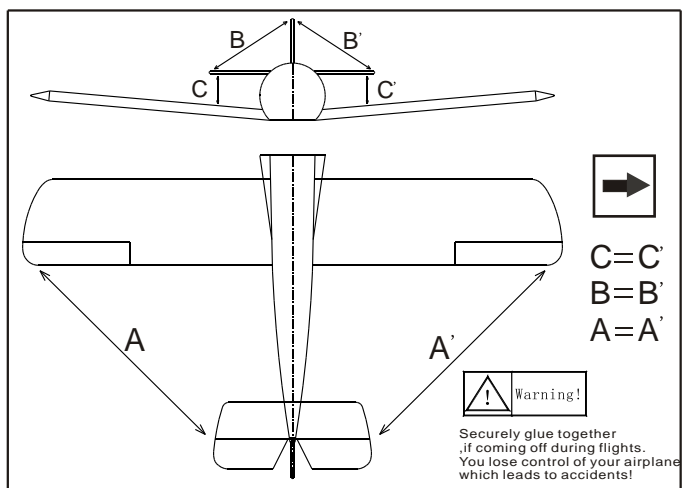
## Accessory list for this page.

	-----3	1.8X795mm rod	
	-----3	1.8X785mm rod	-----1
Connecting rod head		1.8X730mm rod	-----1
	-----3	3.2mm Collar	-----1
Rod adjuster			-----2
	-----3	3X5mm screw	-----2
2x8mm Screw			
	-----9		
2x16mm Screw			

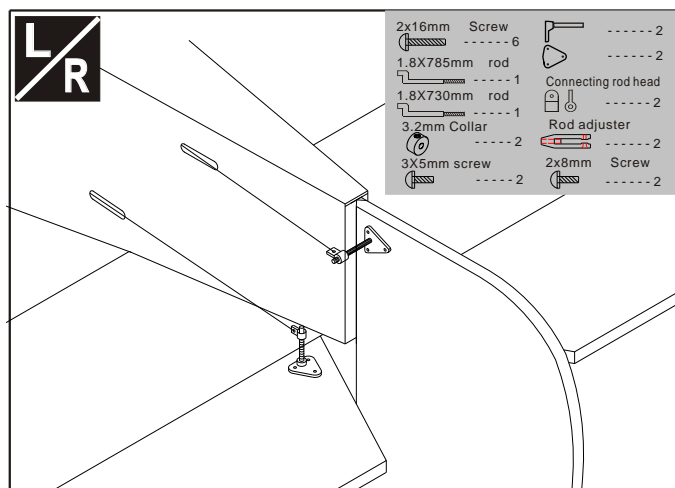
## 13 Install the rudder servo



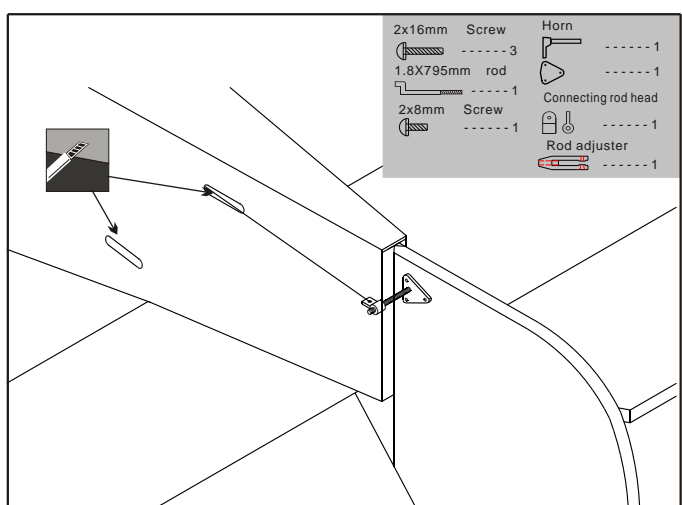
## 11 Main wing&Horizontal/Vertical tail



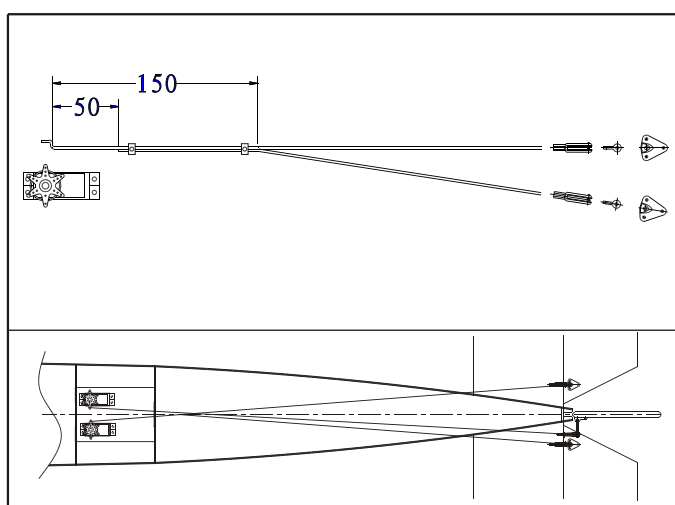
## 14 Install the elevator servo



## 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



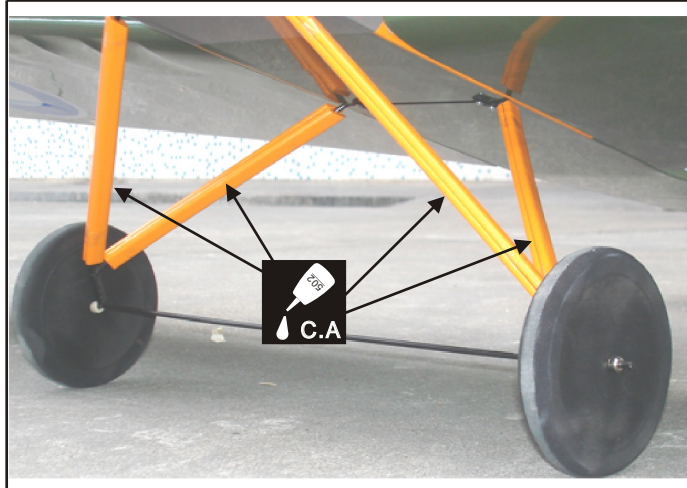
----- 10

4mm Washer

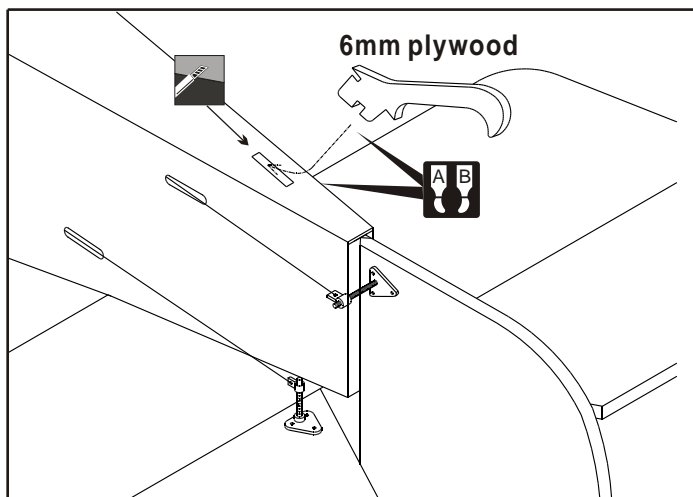


----- 8

## 18 Install the main landing gear



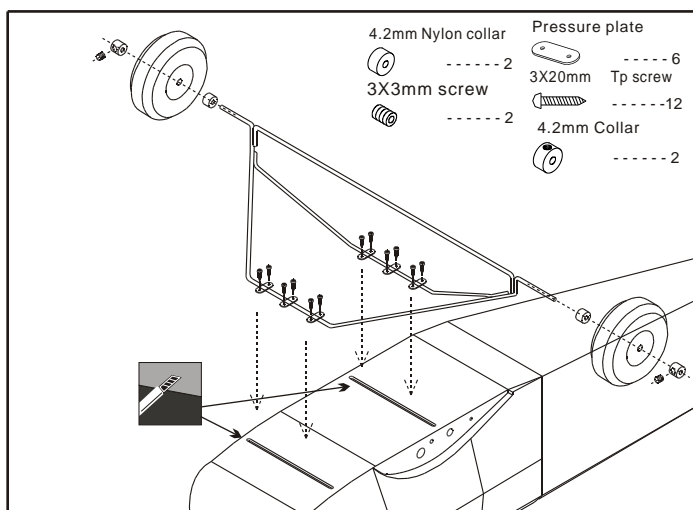
## 16 Install the tail pry



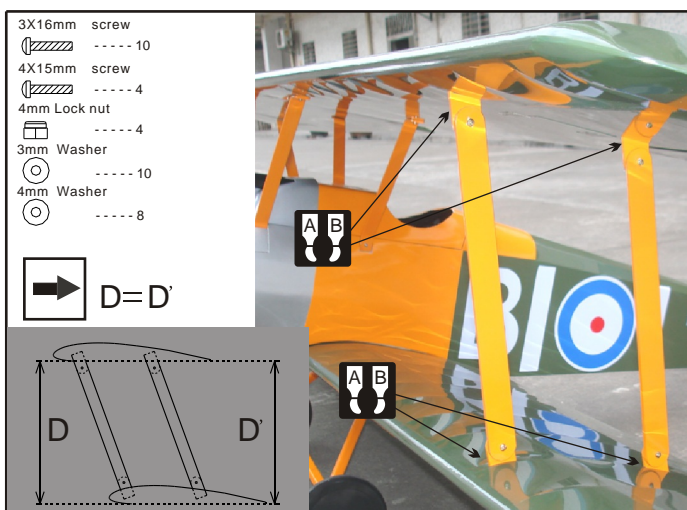
## 19 Install the top wing



## 17 Install the main landing gear



## 20 Install the top wing



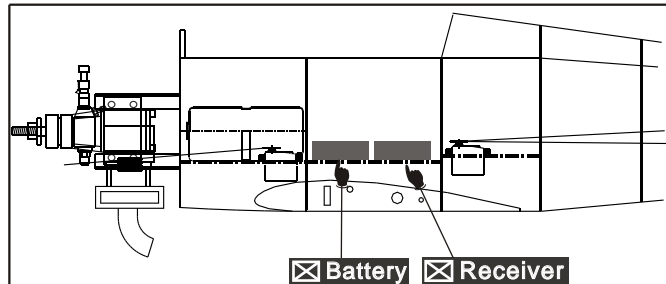


## Accessory list for this page.

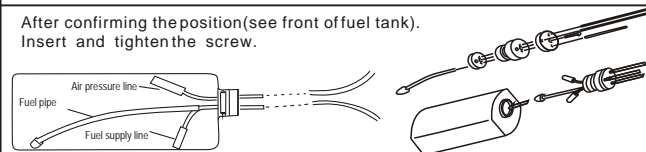
4X25mm screw	Linkage Stopper
----- 8	----- 1
4mm Bind nut	2mm Nut
----- 4	----- 1
4mm Lock nut	1.8X270mm Rod
----- 4	----- 1
4mm Washer	3X3mm Screw
----- 12	----- 1
3X16mm screw	2.6X12mm Tp screw
----- 2	----- 9
3mm Washer	
----- 2	

## 23

## Radio Equipment Assembly of the full tank



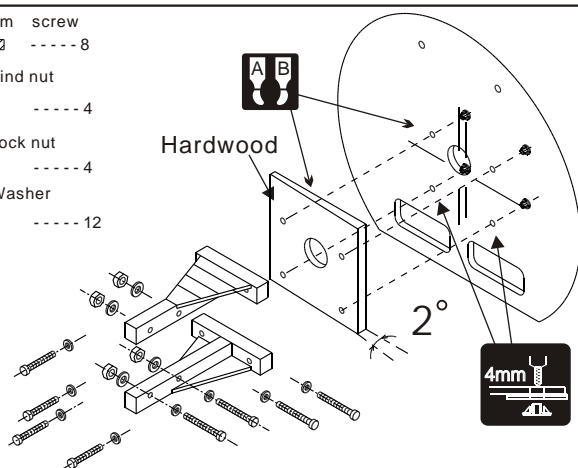
After confirming the position (see front of fuel tank).  
Insert and tighten the screw.



## 21

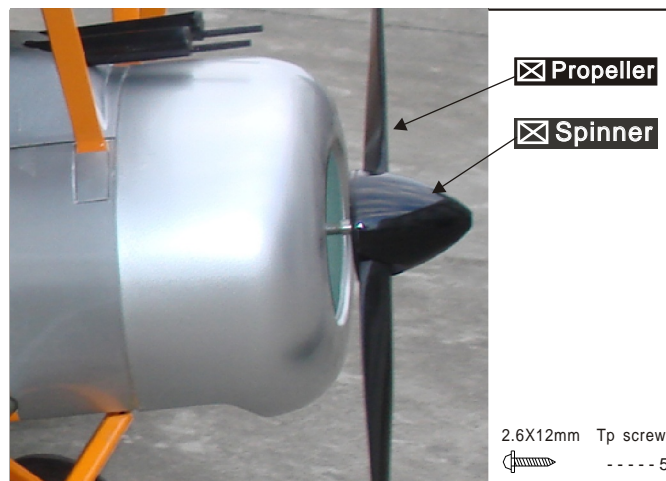
## Install the engine mount (2c 1.20cu.in)

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



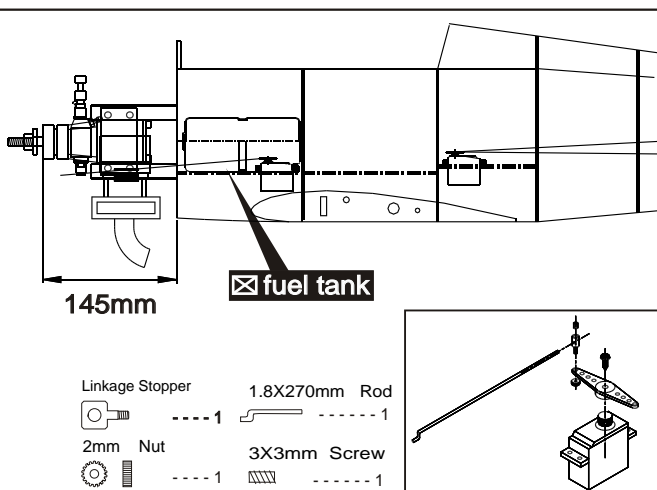
## 21

## Install the cowling



## 22

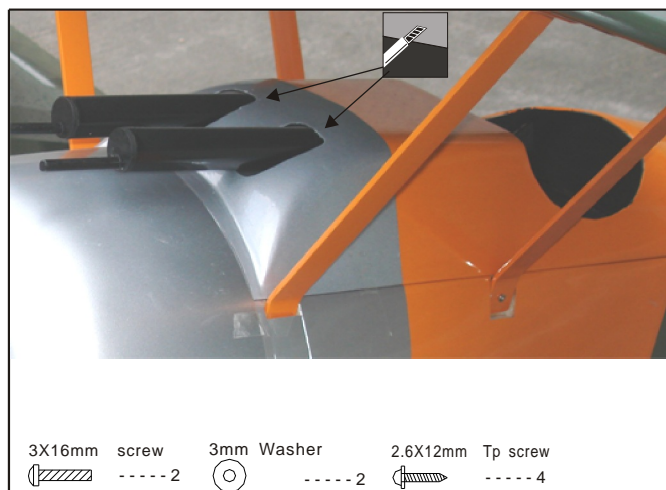
## Install the engine (2c 1.20cu.in) Can be installed 26 CC gas engine



Linkage Stopper	1.8X270mm Rod
----- 1	----- 1
2mm Nut	3X3mm Screw
----- 1	----- 1

## 25

## Install the canopy



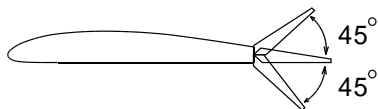
3X16mm screw	3mm Washer	2.6X12mm Tp screw
----- 2	----- 2	----- 4

## 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

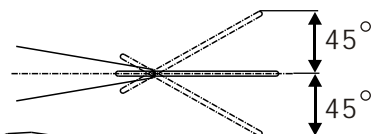


## 27 Adjustment

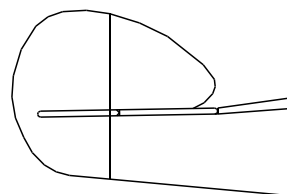
Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.

### Rudder

Side view



Top view



## 28 Adjustment.

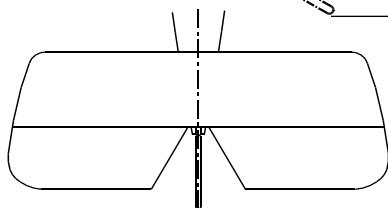
Adjust the travel of each control surface to the values in the diagrams.  
These values fit general flight capabilities.  
Readjust according to your needs and flight level.

### ELEVATOR

Side view

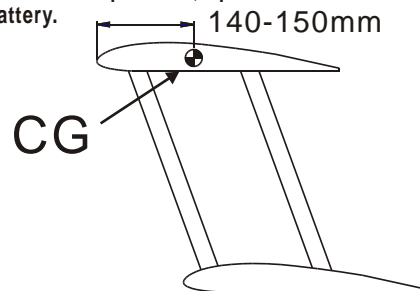


Top view



## 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.**