

Instruction Manual

Before commencing assembly, please read these instructions thoroughly.

Curtiss P-40B Warhawk

Item Nr: CY8046B



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.....2500 mm (98.5 in)
Wing Area.....86.6 dm² (1342 sq.in)
Total Length....2150 mm (84.6 in)
Radio.....6 channels , 9 servos
Engine.....100-120cc gas engine

REQUIRED FOR OPERATION (Purchase separately)

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

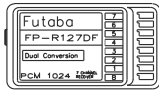


CAUTION: Only use a minimum 6channel radio for airplanes! (No other radio may be used!)

A minimum 6 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: 50-80cc gas engine

- 5 Glue 

Epoxy Glue



Instant glue

- 6 required for engine starting

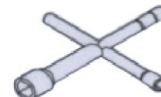


WARNING: Normal gasoline cannot be used with glow engines.

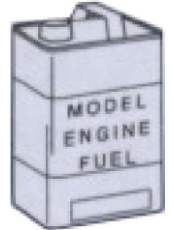
Glow engine fuel only.



Fuel Pump

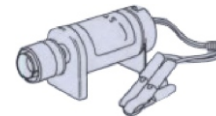


Plug Wrench

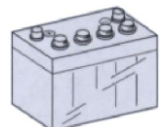


- 7 Silicone Tube  Fuel Filter 

- 8 Other equipment for enhancing airplane operation & performance



Engine Starter



12V Battery (for starter)

- 9 Purchase a propeller that will match your engine 

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



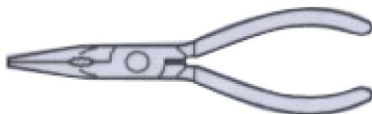
Phillips Screw Driver



Awl



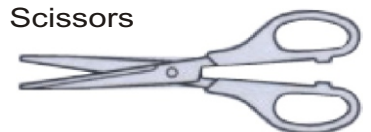
Needle Nose Pliers



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.

Accessories packing list

 ---steel wire 1050mm---2

 ---Aluminium tubes---8

 ---Copper joiner---4


 ---horn---2


 ---Clevis (A)---2

 ---Clevis (B)---2

 ---Copper ball (A) ---2

 ---Copper ball (B) ---2

 ---M3x16mm screw---4

 ---Locknut---4

 ---horn---12


 ---horn tray---6


 ---Clevis (A)---6

 ---Clevis (B)---6

 ---Copper ball (A) ---6


 ---Copper ball (B) ---6

 ---M3x16mm screw---12

 ---Locknut---12

 ---Linkage Stopper---1


 ---Angle iron frame---2


 ---Angle iron frame---8


 ---Angle iron frame---8


 ---M4x20mm screw---8

 ---butterfly nut (M8) ---4


 ---butterfly nut (M6) ---2

 ---M4x25mm screw---2

 ---4mm Washer---2

 ---M3x12mm screw---6

 ---Washer---6

 ---2.6x12 Tp screw---30

 ---pin hinges---6

 ---pivot & round hinges---18

 ---push rod 3x85mm---6

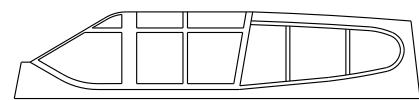
 ---push rod 2x250mm---1

  left

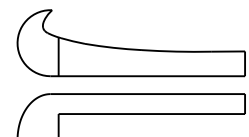
  right


engine support


-----1

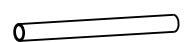
 -----Canopy-----1


 -----wheel cowling-----2

 The gear cover
-----2

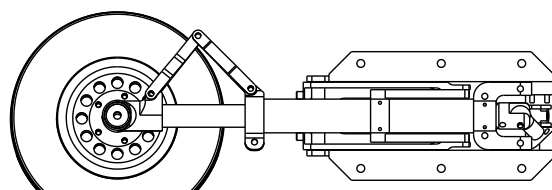
 The tail landing gear cover
-----2

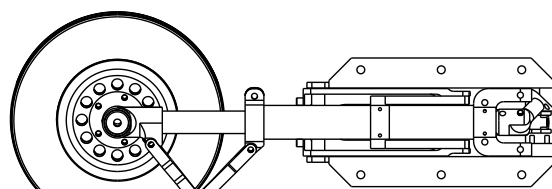
 -----Main wing tube (32x1155mm)-----1

 -----stabilizer tube (12x455mm)-----1

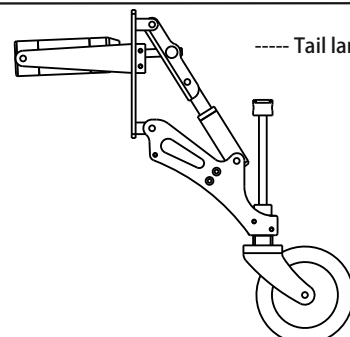
 -----Fuel tank (1000cc) -----1


Optional parts (Electric landing gear)


 ----- landing gear-----1

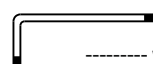
 ----- landing gear-----1

 -----circuit board-----1

 ----- Tail landing gear-----1

 -----4x20 Tp screw-----2

 -----M3x20 screw-----4

 -----wrench-----1

 -----extension cords-----3

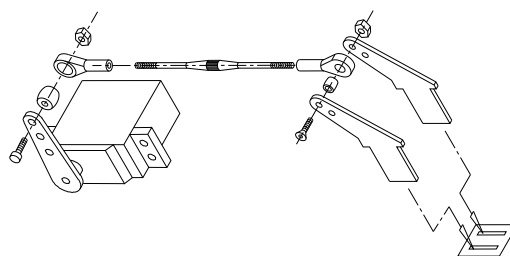
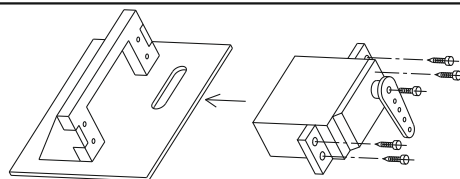


Accessory list for this page.

	2.6X12mm Tp screw	16
	3mm Lock nut	8
	3X16 Screw	8
	2.5X85mm rod	4
	Rod adjuster	4
	Rod adjuster	4
	HORN	8
	Hinge	16
	Hinge	6

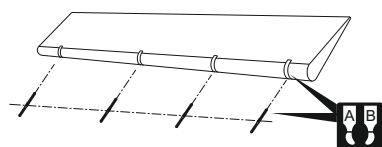
3 Install the servo

L/R



1 Install the aileron and flap

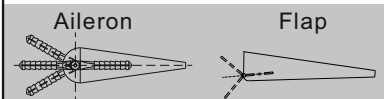
L/R



Aileron

Flap

Make sure hinges are mounted in the same line

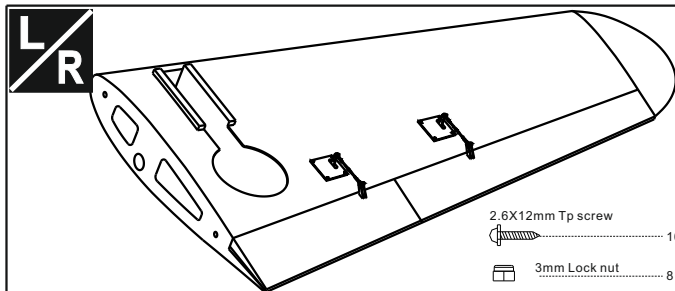


Hinge

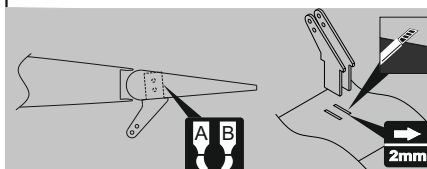
Hinge

4 Install the servo of flap

L/R

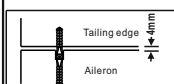
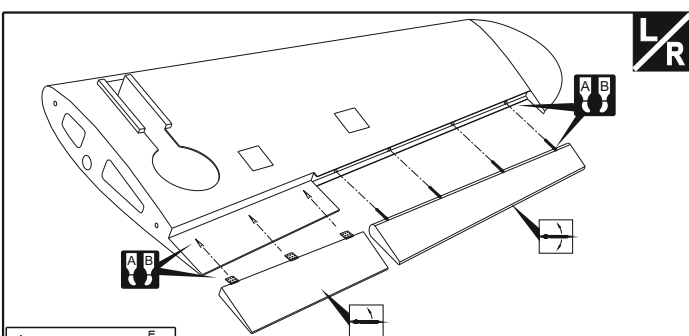


	2.6X12mm Tp screw	16
	3mm Lock nut	8
	3X16 Screw	8
	2.5X85mm rod	4
	Rod adjuster	4
	Rod adjuster	4
	HORN	8



2 Install the aileron and flap

L/R



Warning!

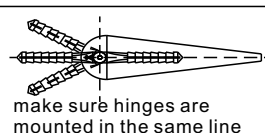
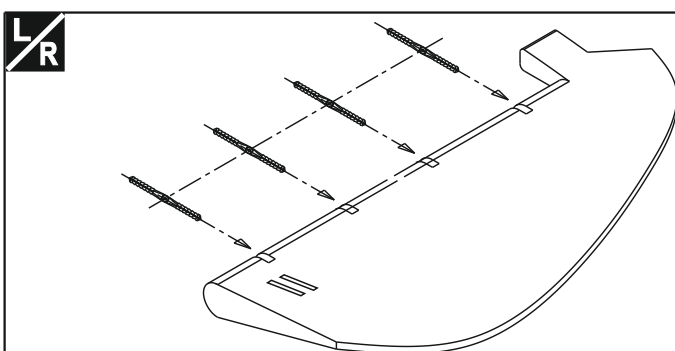
Securely glue together. If coming off during flights, you'll lose control of your airplane which leads to accidents!

Flap

Aileron

5 Install the elevator

L/R



make sure hinges are mounted in the same line

Hinge

Hinge

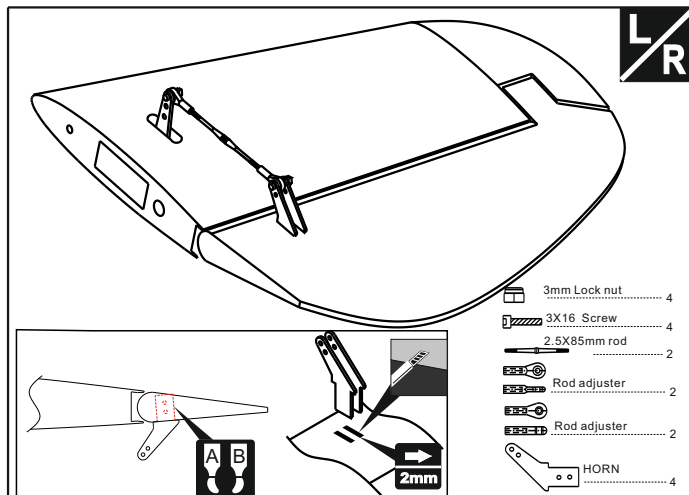


Accessory list for this page.

	3mm Lock nut	4
	3X16 Screw	4
	2.5X85mm rod	2
	Rod adjuster	2
	Rod adjuster	2
	HORN	4
	Hinge	4

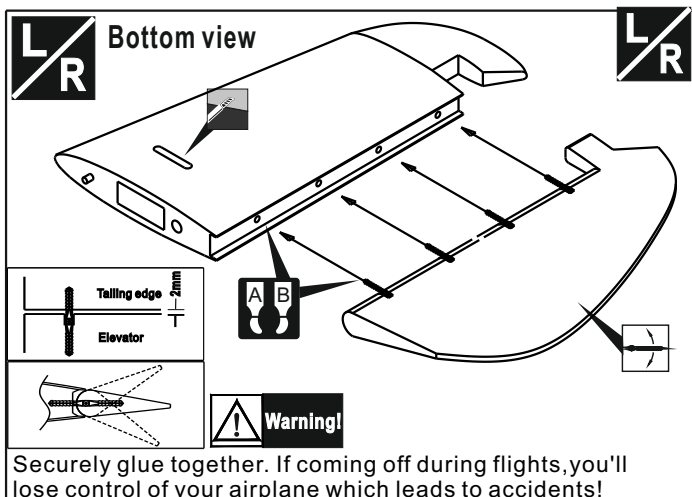
8

Install the elevator servos



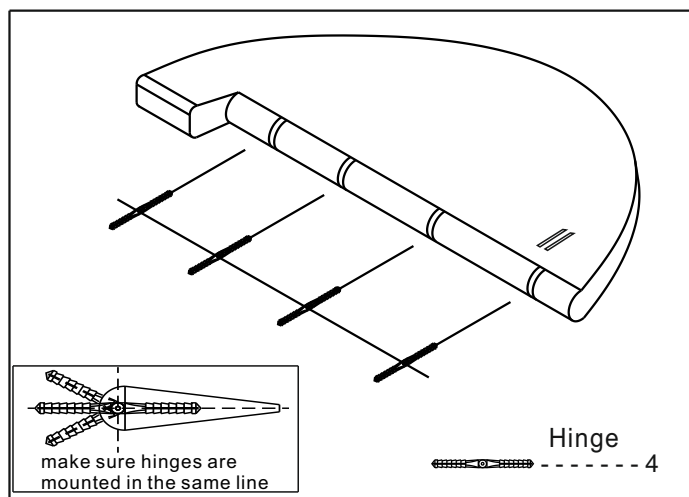
6

Install the elevator



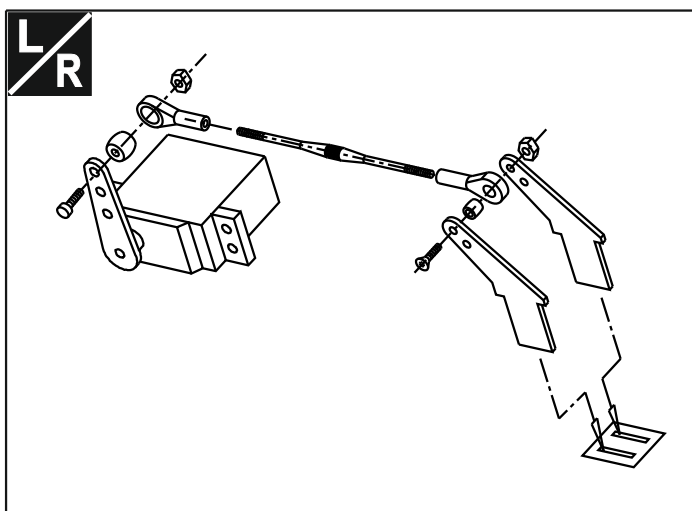
9

Install the rudder



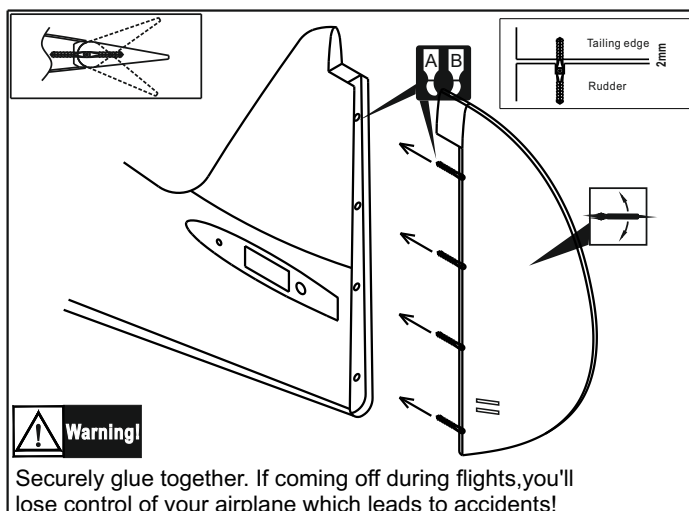
7

Install the elevator servos



10

Install the rudder



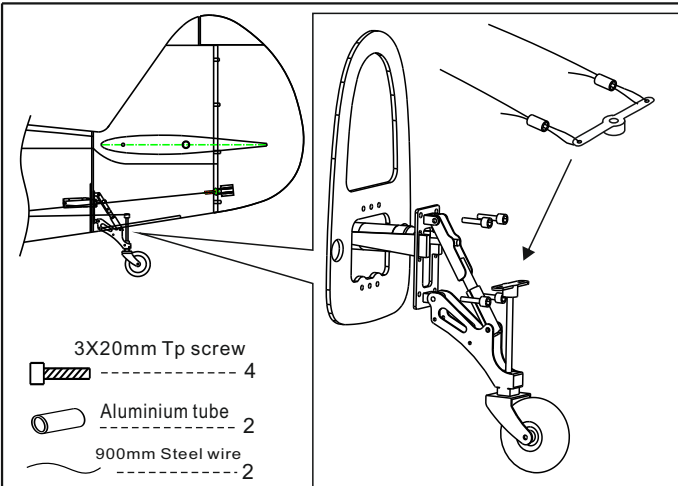


Accessory list for this page.

Rod	4	3mm Lock nut	4
Aluminium tube	6	3X16 Screw	4
Steel wire	2	3X12mm Tp screw	4
HORN	2	4X25 Screw	2
Rod adjuster	2	4mm Washer	2
Rod adjuster	2	M6 butterfly Nut	2

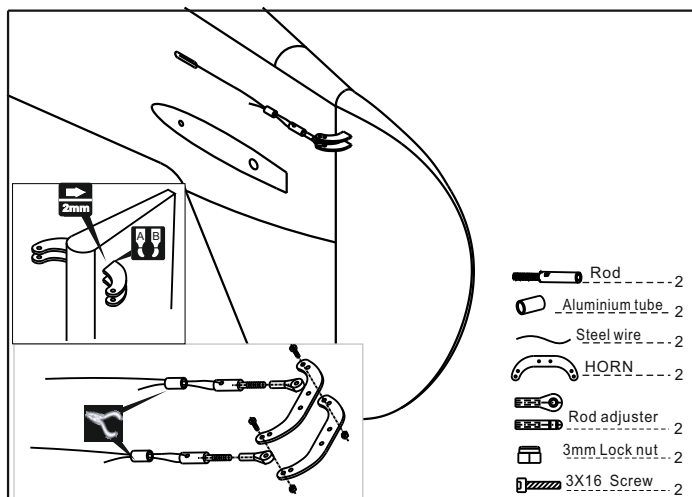
13

Install the electric tail wheel (Optional parts)



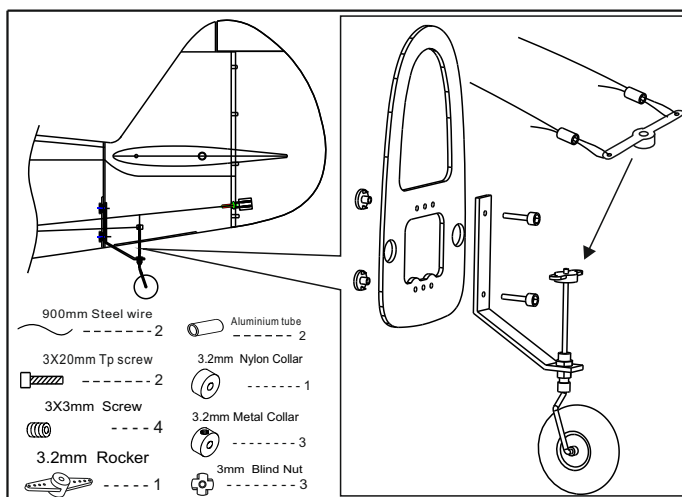
11

Install the rudder servos



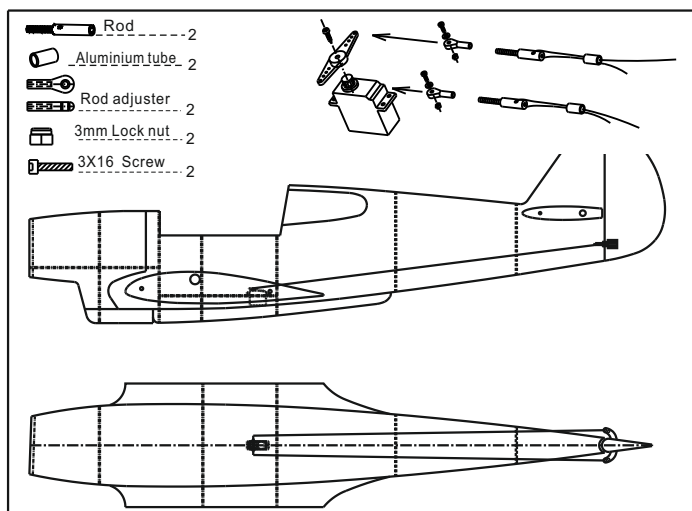
14

Fixed type tail wheel rack



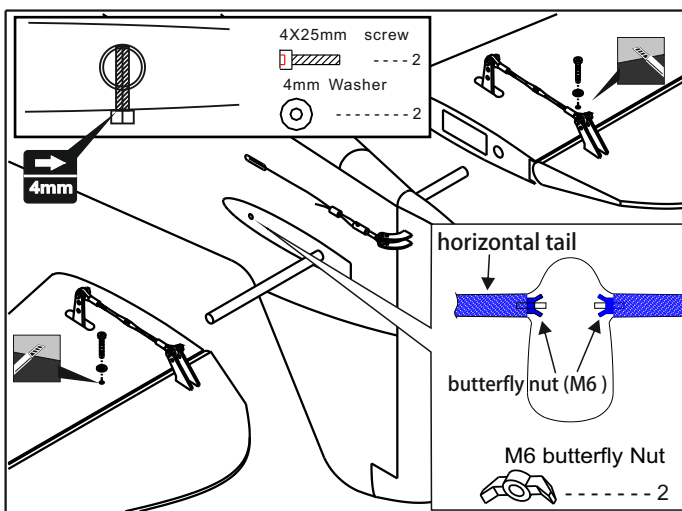
12

Install the rudder servos



15

Horizontal



16

Please Read the manual before using the landing gear ! Electric Landing Gear Manual

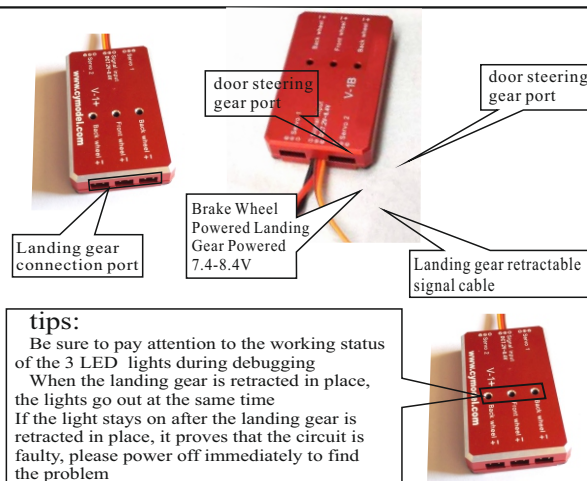
The working principle of the landing gear controller.

The start and stop of the landing gear during the retraction process can be determined by real-time monitoring of the whole working current through the control board.

When the landing gear is retracted, the instantaneous power reaches 100%, and after starting, the power is reduced to 80%.

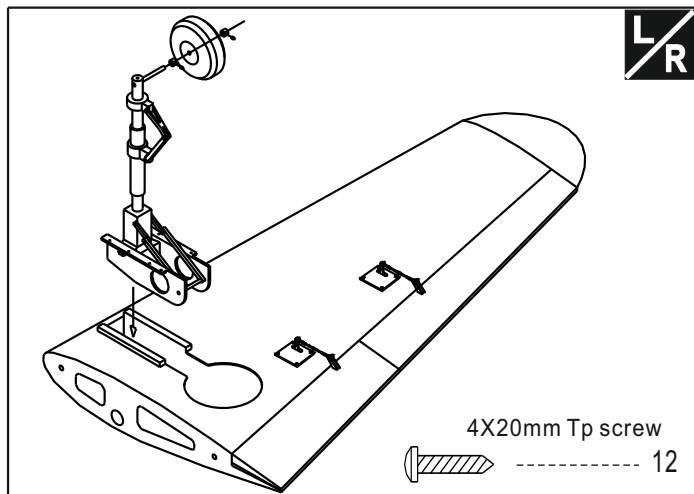
When the landing gear slider runs to the end of locked rotor, the current will increase. When the controller detects that the locked rotor current reaches the set value, it will immediately stop supplying power to the motor.

(LED light is on for power on and off for power off)



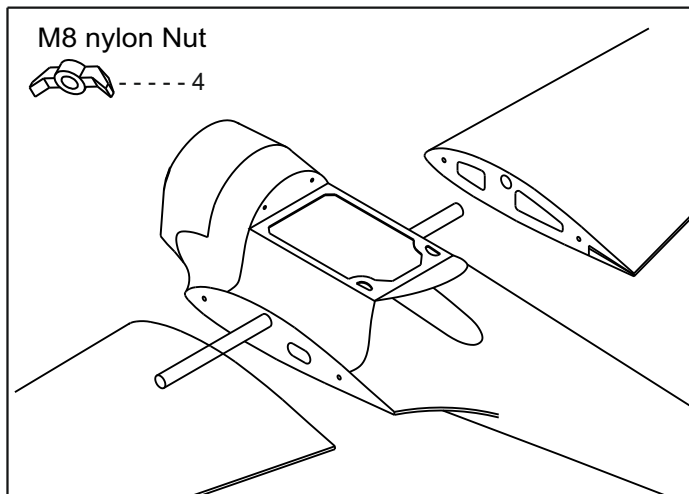
17

Install the main landing gear



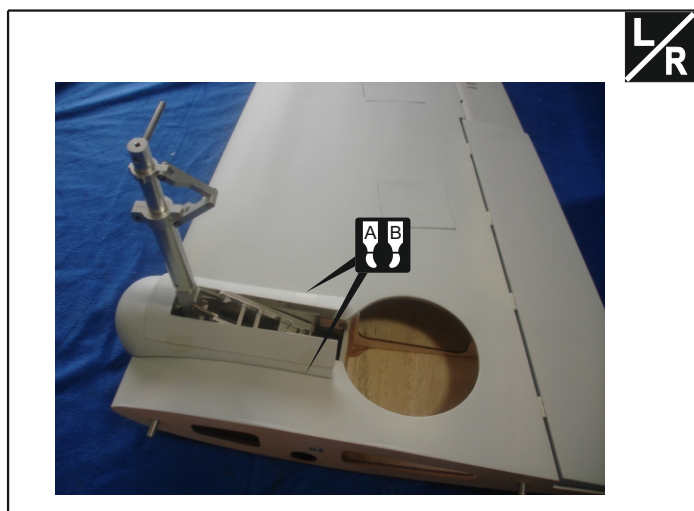
19

Install the wing to the fuselage



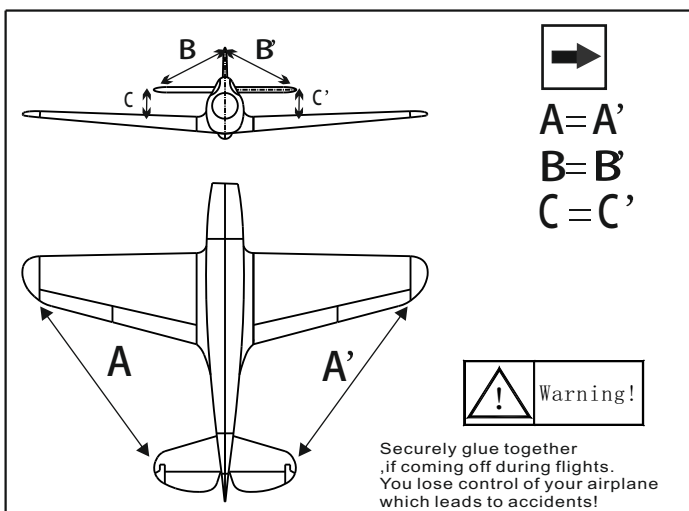
18

Install the main landing gear



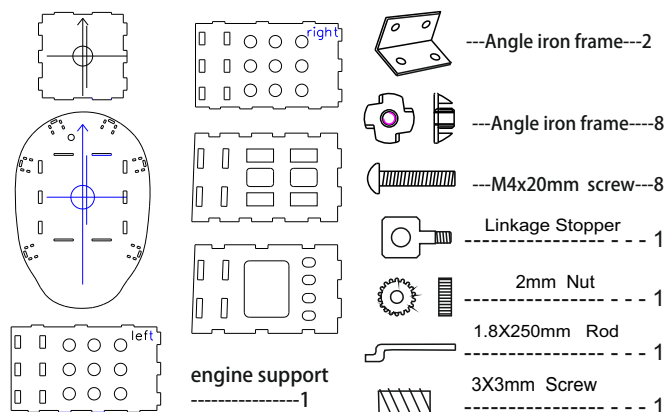
20

Main wing & Horizontal / Vertical tail

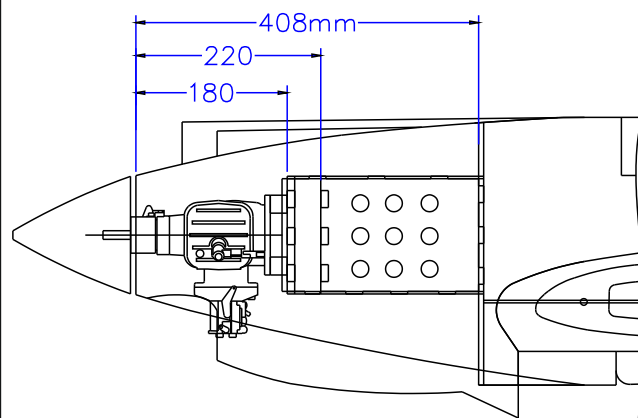




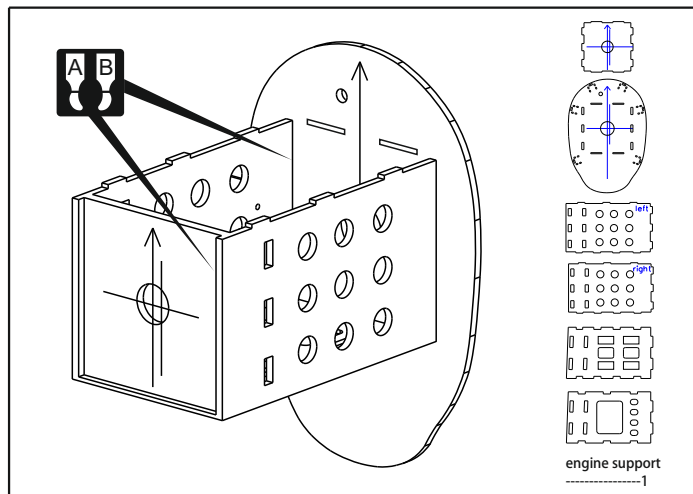
Accessory list for this page.



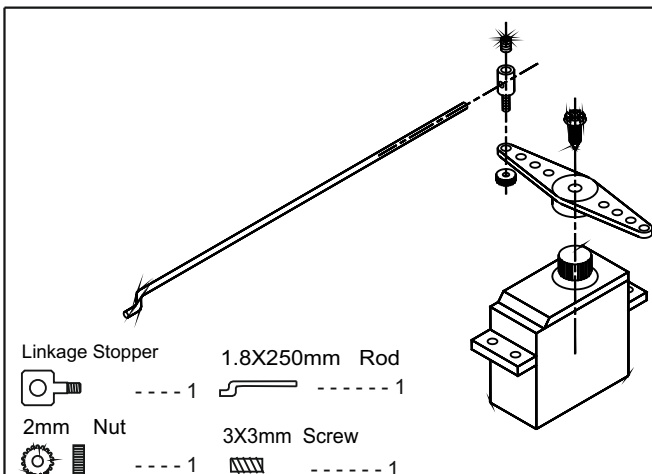
23 Installing the engine



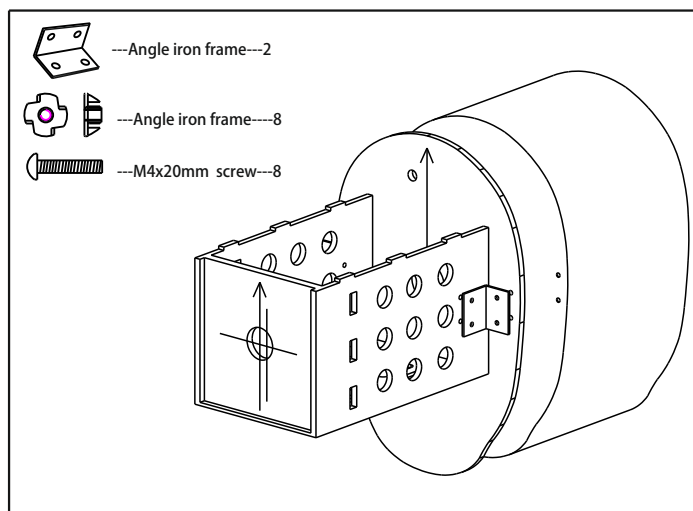
21 Installing the engine



24 Install the throttle servo

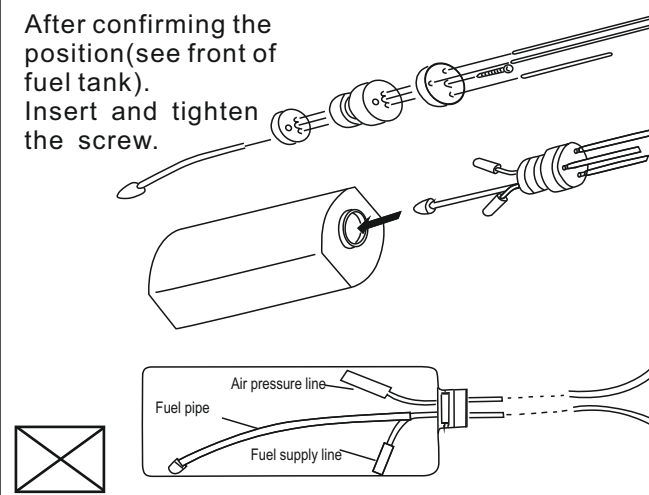


22 Installing the engine



25 Assembly of the full tank

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





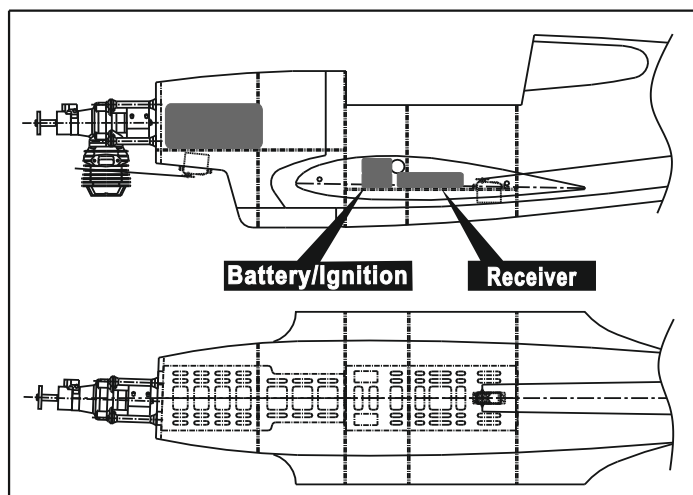
Accessory list for this page.

	3X30mm screw	2
	3X16mm screw	6
	3mm Washer	8
	3mm rubber band	8
	2.3X10Tp screw	12

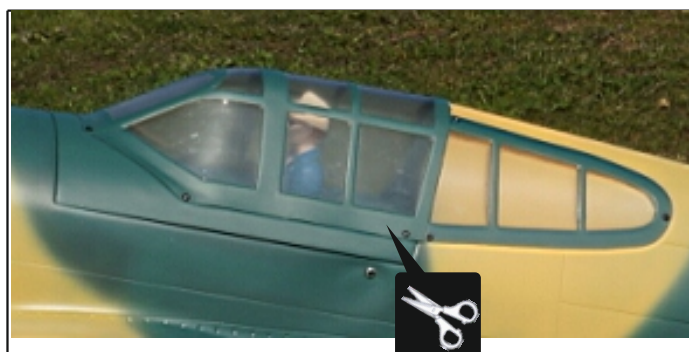
28 Install the thr cowling



26 Radio Equipment



29 Install the canopy



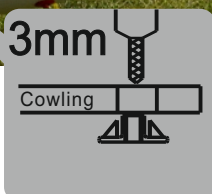
3X30mm Screw	3mm rubber band
---- 2	---- 2
3mm washer	2.3X10Tp screw
---- 2	---- 12

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

27 Install the thr cowling

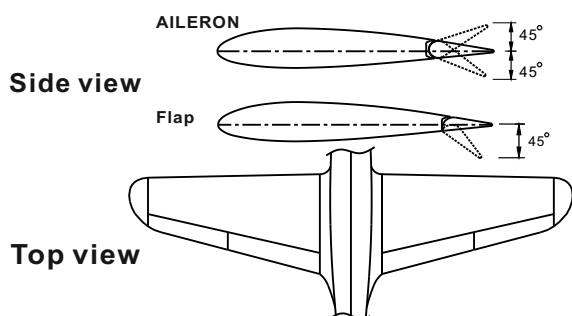


3X16mm screw
---- 6
3mm Bind nut
---- 6
3mm Washer
---- 6
3mm rubber band
---- 6



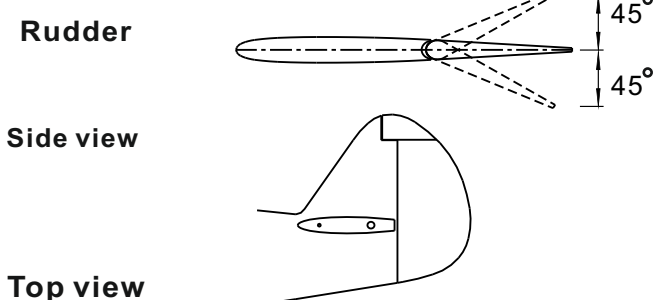
31 Adjustment.

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.



33 Adjustment

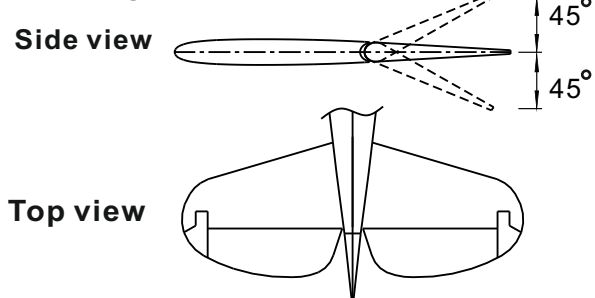
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.



32 Adjustment.

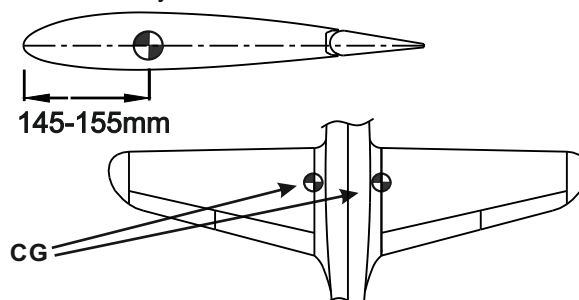
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR



34 Adjustment.

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



Warning!

NEVER fly the model without well balancing.

