

Instruction Manual

Before commencing assembly, please read these instructions thoroughly.



Bucker Bu.133 Jungmeister



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

Specification

Wing Span 2540mm (100 in)
Wing Area 192 dm² (2976 sq.in)
Total length.... 2353mm (92.6in)
Engine.....100-120cc gas engine
take-off weight....17.2 kg
Radio.....9 channels. 8 servos

REQUIRED FOR OPERATION (Purchase separately)

- 1** A minimum 4channel radio for airplanes (with 9servos).
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



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

- 2** Engine and Muffler
Model Airplane engine: 100-120 cc gas engine



Muffler



- 3** Propeller splinner
Purchase a propeller that will match your engine



- 4** Silicone Tube  Fuel Filter 

- 5** Required for engine starting Glow engine fuel only.

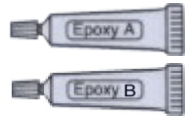
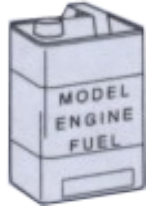


WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump

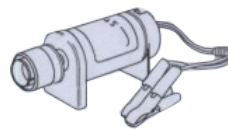
Plug Wrench



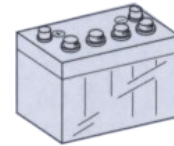
Epoxy Glue

- 6** Glue  Instant glue

- 7** Other equipment for enhancing airplane operation & performance



Engine Starter



12V Battery (for starter)

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



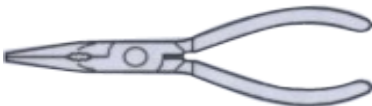
Phillips Screw Driver



Awl



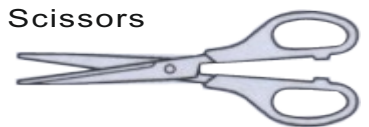
Needle Nose Pliers



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!



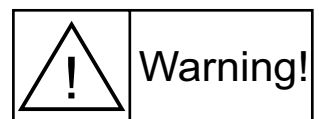
Assemble left and right Sides the same way.



Cut off shaded portion.

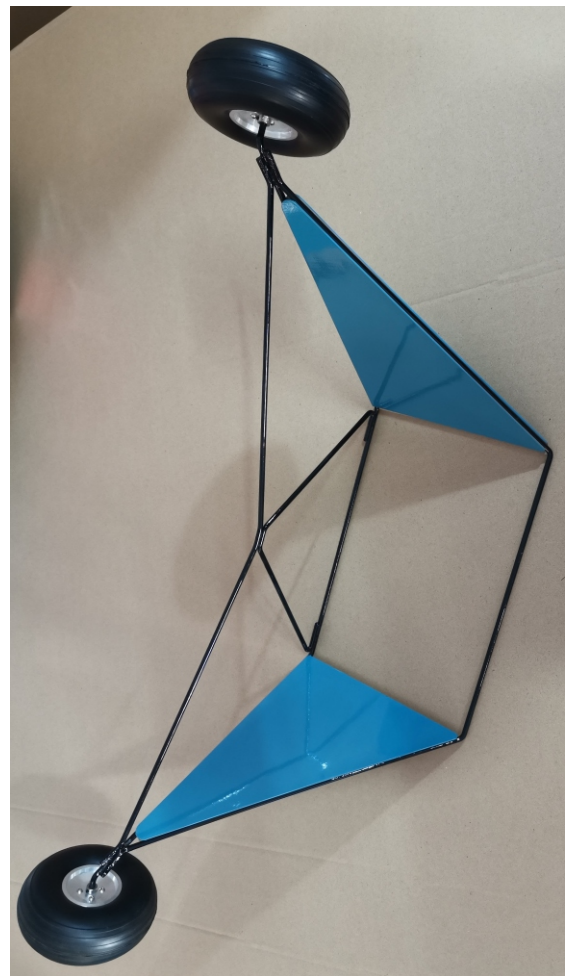


Cut off excess.



Do not overlook this symbol.

Accessories packing list

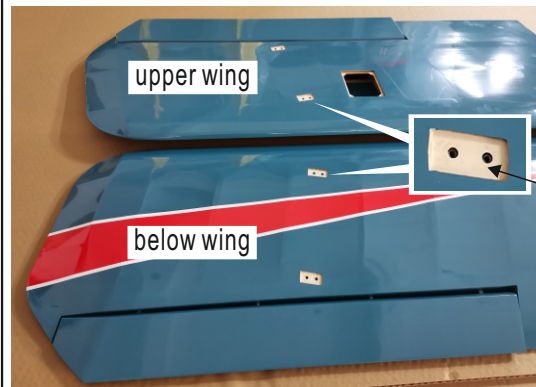




Accessory list for this page.

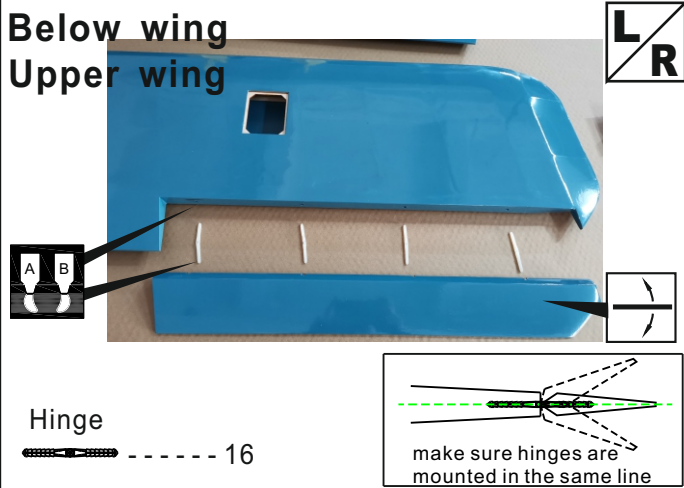
Hinge ----- 26	Rod adjuster ----- 4
Horn ----- 4	3X16mm Screw ----- 4
----- 4	Ball bearing ----- 4
Connecting rod head ----- 4	3mm Lock nut ----- 4
2.5X140mm Rod ----- 4	2X10mm Screw ----- 4
3X30mm Screw ----- 8	4X35mm Screw ----- 4
3X25mm Screw ----- 4	

3 Install the wing



Cut off shaded portion.

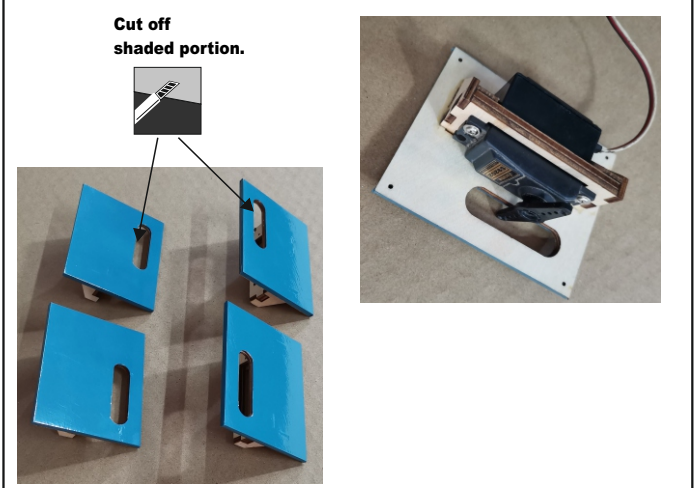
1 Apply instand type AB glue to the holes in the ailerons flaps and hinges



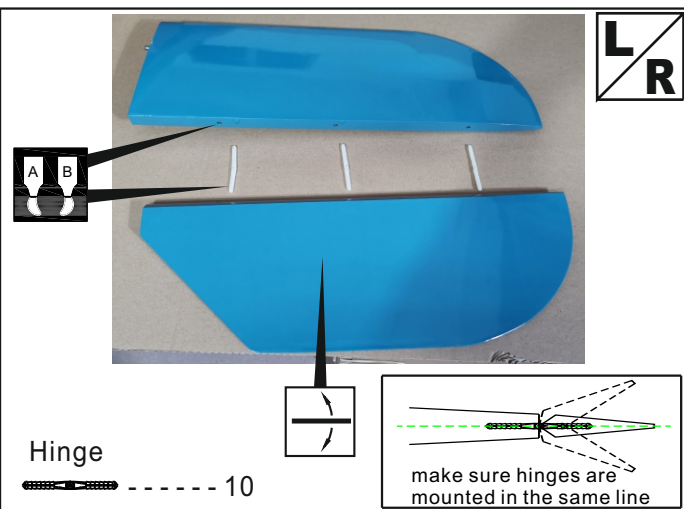
Hinge ----- 16

make sure hinges are mounted in the same line

4 Install the wing servo



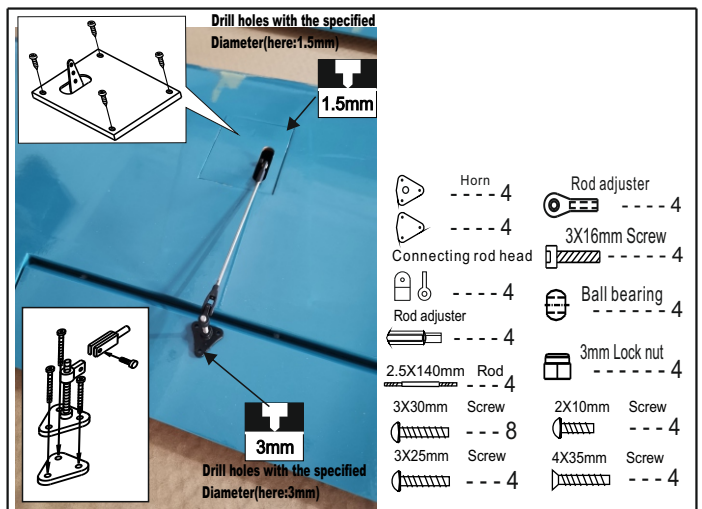
2 Epoxy the elevator to the stabilizer



Hinge ----- 10

make sure hinges are mounted in the same line

5 Epoxy the horns to the ailerons and flaps, secure the servos. install the nylon control horn and connect the linkage

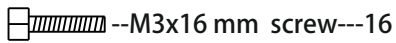
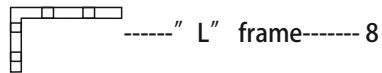
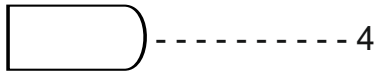


Horn ----- 4	Rod adjuster ----- 4
----- 4	3X16mm Screw ----- 4
Connecting rod head ----- 4	Ball bearing ----- 4
2.5X140mm Rod ----- 4	3mm Lock nut ----- 4
3X30mm Screw ----- 8	2X10mm Screw ----- 4
3X25mm Screw ----- 4	4X35mm Screw ----- 4



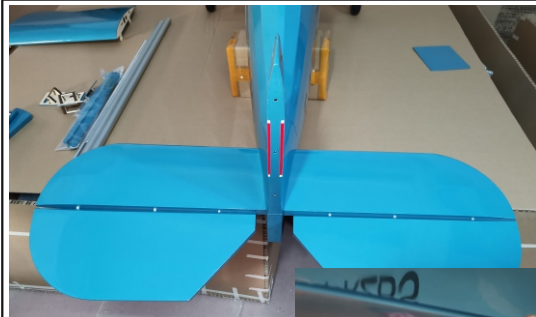
Accessory list for this page.

3mm fiberglass board

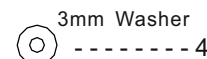


8

Install the stabilizer to the fuselage



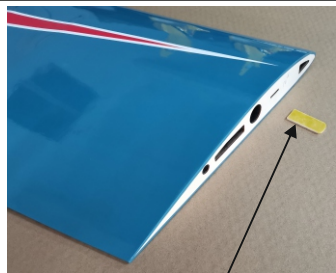
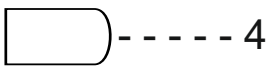
M3x16 mm screw



6

Install the wing

3mm fiberglass board



Apply epoxy glue.

9

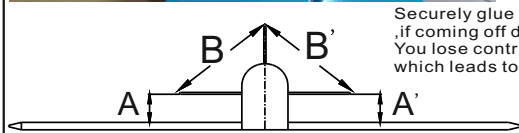
Horizontal/Vertical tail



Apply epoxy glue.



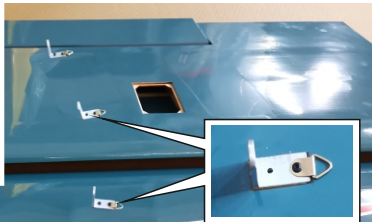
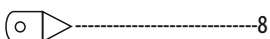
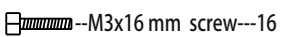
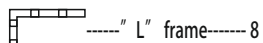
A=A'
B=B'



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

7

Install the wing



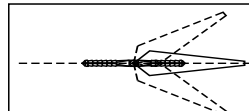
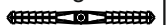
10

Install the rudder



Apply epoxy glue.

Hinge -- 4

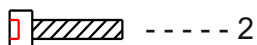


make sure hinges are mounted in the same line



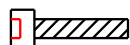
Accessory list for this page.

5x60mm screw



----- 2

5x45mm screw



----- 2

5mm Washer



----- 2

5.2mm Collar



----- 4

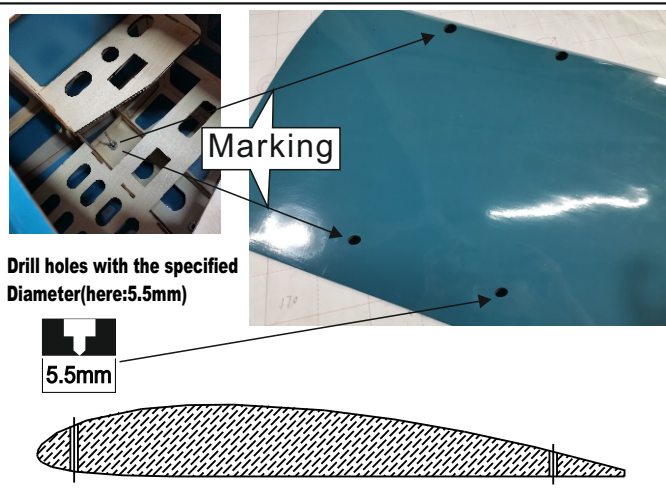
3X3mm screw



----- 4

13

Assemble the lower middle wing to the fuselage

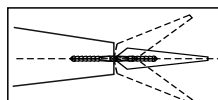


11

Epoxy the rudder to the vertical



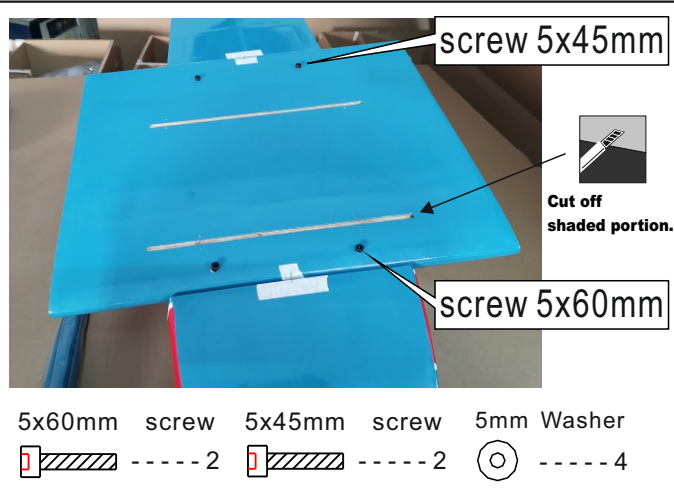
Apply epoxy glue.



make sure hinges are mounted in the same line

14

Assemble the lower middle wing to the fuselage

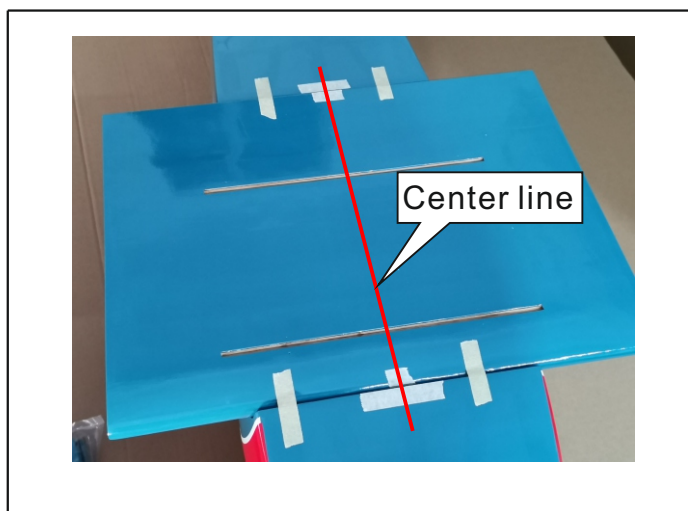


5x60mm screw 5x45mm screw 5mm Washer



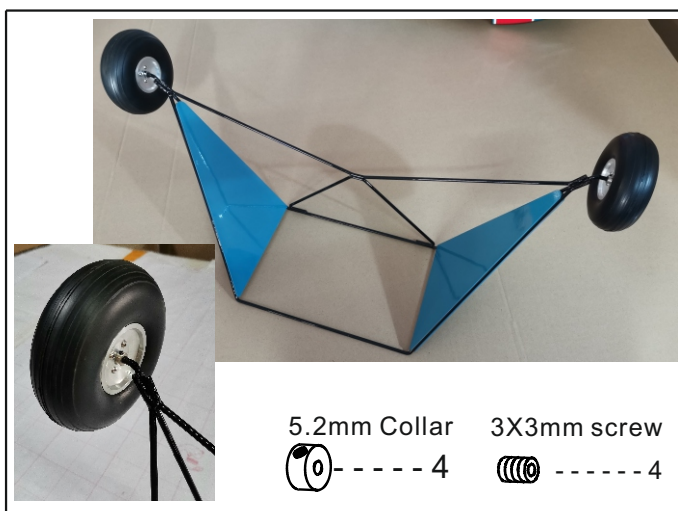
12

Assemble the lower middle wing to the fuselage



15

Install the undercarriage



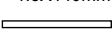








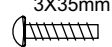


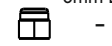


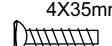


5.2mm Collar 3X3mm screw

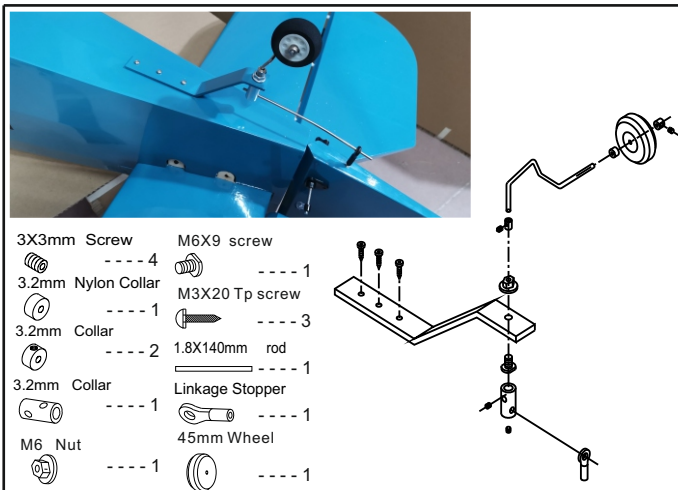




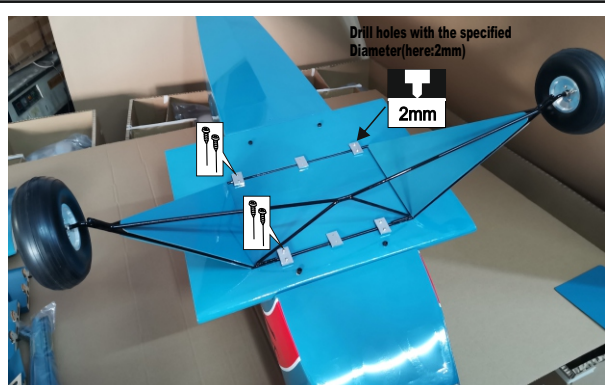
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
3X3mm Screw  ----- 4	Horn  ----- 4	1.8X140mm rod  ----- 1
3.2mm Nylon Collar  ----- 1	 ----- 4	Linkage Stopper  ----- 1
3.2mm Collar  ----- 2	M6X9 screw  ----- 1	45mm Wheel  ----- 1
3.2mm Collar  ----- 1	M3X20 Tp screw  ----- 3	3X35mm Screw  ----- 9
M6 Nut  ----- 1	3X25mm Tp screw  ----- 12	3mm Lock nut  ----- 3
Connecting rod head  ----- 4	Pressure plate  ----- 6	4X35mm Screw  ----- 4

18 Install the tail wheel

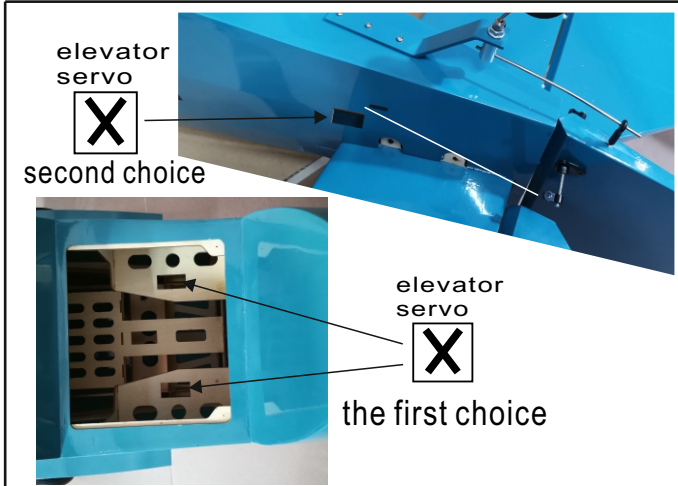


16 Install the undercarriage

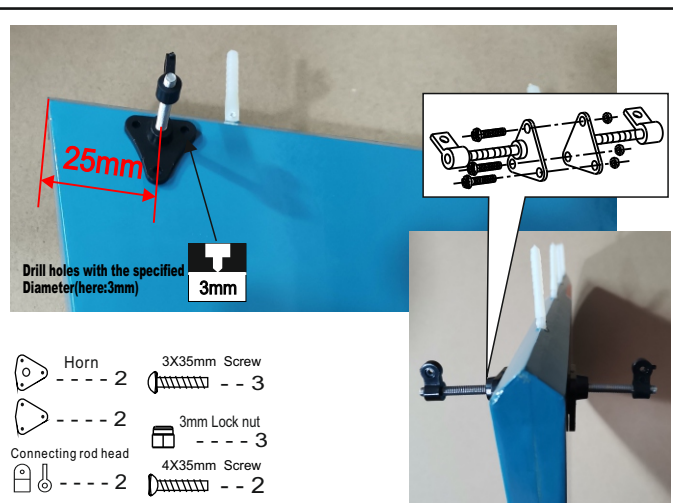


3X25mm Tp screw  ----- 12	Pressure plate  ----- 6
--	---

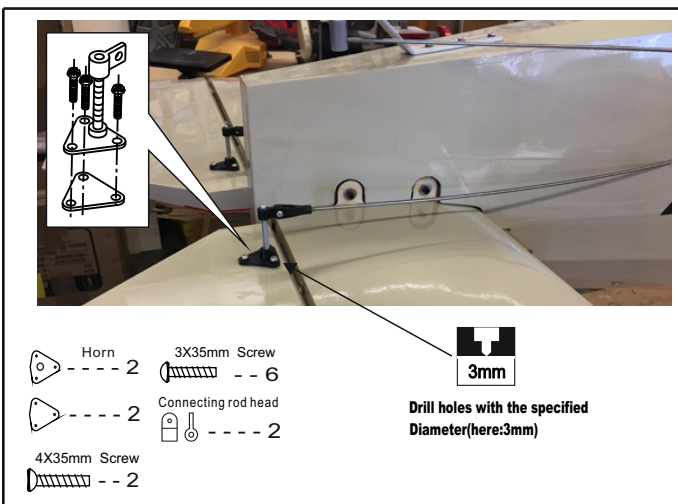
19 Install the elevator servo Two position options



17 Install the horns to the rudder













20 Install the horns to the elevator





Accessory list for this page.

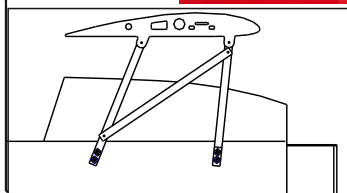
-  3X16mm Screw ----- 16
-  -----Locknut -----8
-  --steel wire 8.5m-----1
-  --Aluminium tubes--20
-  -----Copper joiner-----8
-  -----Retainer (M3)-----8
-  --M3x16 mm screw--14
-  -----16
-  3x16 mm Tp screw ----- 7
-  3X35mm Screw ----- 4


23 Install the upper wing to the fuselage



3X35mm Screw
-----2

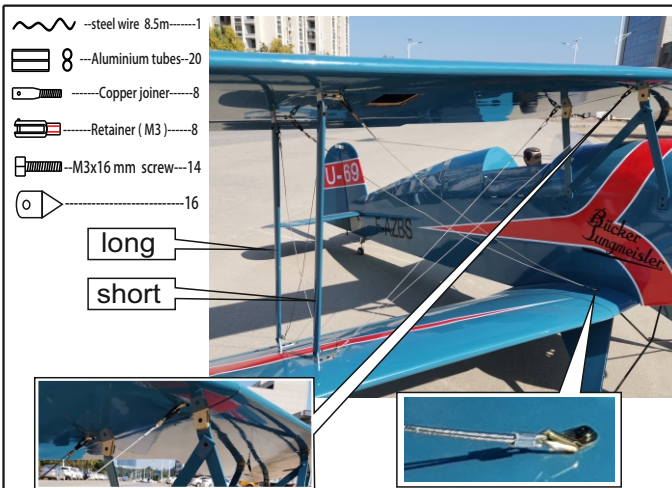
21 Assemble the upper middle wing to the fuselage



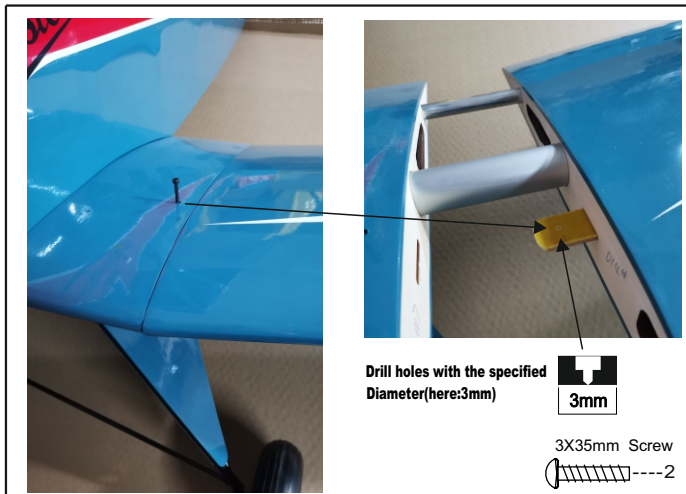
3X16mm Screw
----- 16


Locknut -----8

21 Install wing bracing and wire drawing

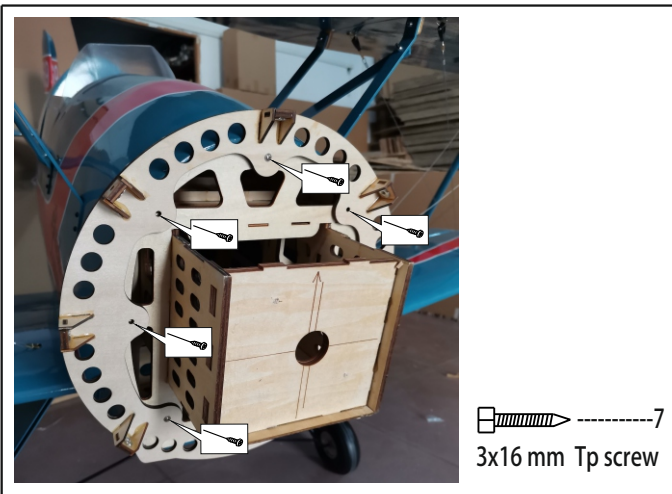


22 Install the lower wing to the fuselage



3X35mm Screw
-----2

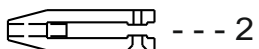
25 Install the engine



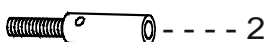


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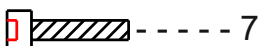
Rod adjuster



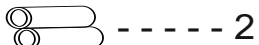
Rod



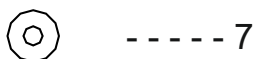
3X12mm screw



Aluminium tube

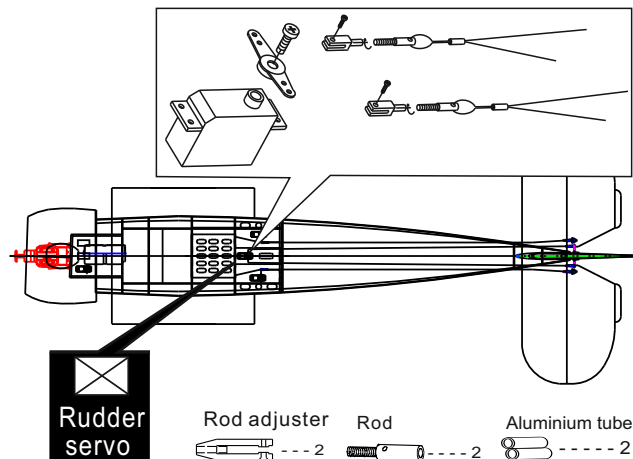


3mm Washer



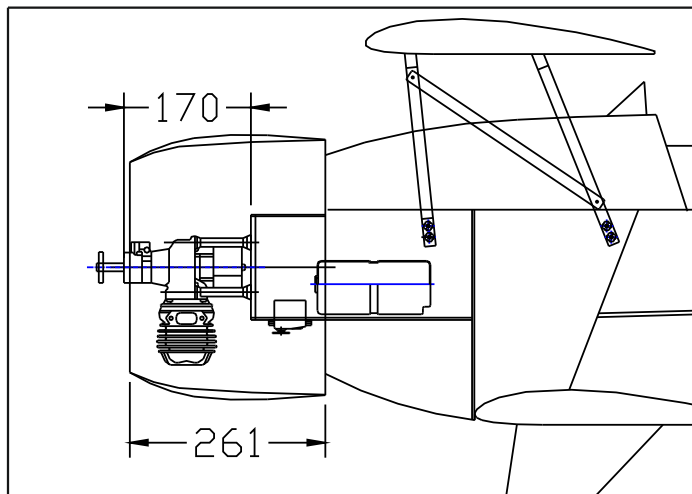
28

Assembly of the full tank



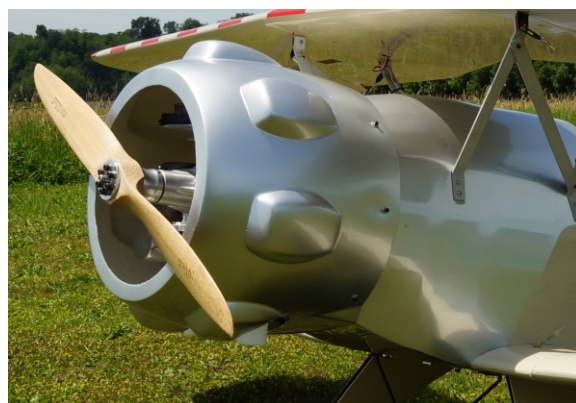
26

Install the engine



29

Install the cowling



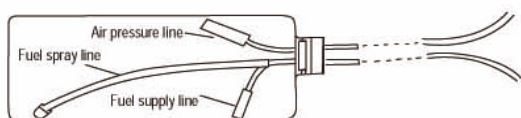
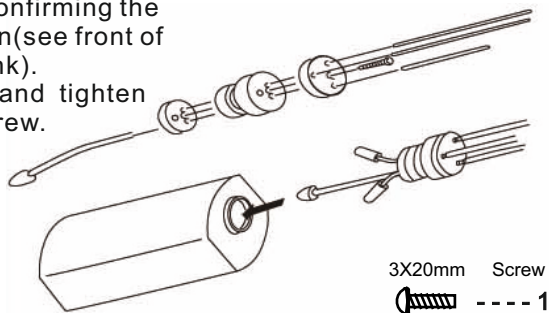
3X12mm screw --- 7

3mm Washer --- 7

27

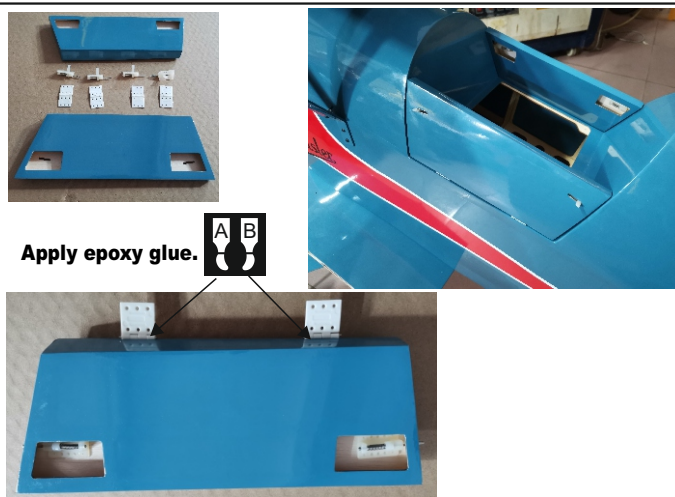
Assembly of the full tank

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



30

Install trapdoor

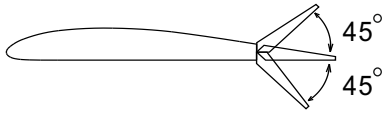


31 Adjustment.

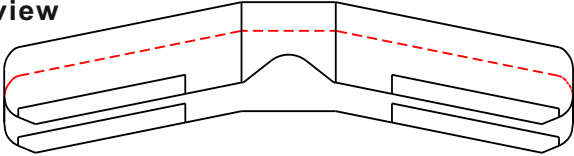
Adjust the travel of each control surface to the values in the diagrams. These values fit general flight capabilities. Readjust according to your needs and flight level.

AILERON

Side view



Top view

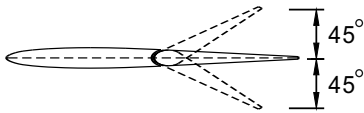


32 Adjustment.

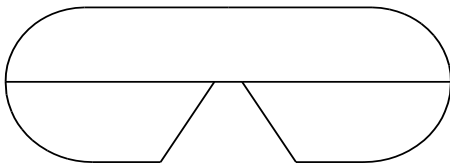
Adjust the travel of each control surface to the values in the diagrams. These values fit general flight capabilities. Readjust according to your needs and flight level.

ELEVATOR

Side view



Top view

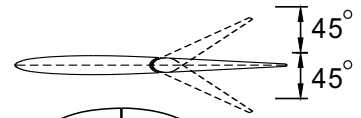


33 Adjustment

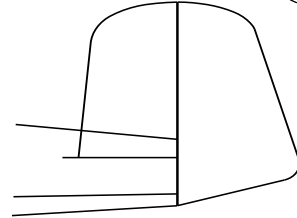
Adjust the travel of each control surface to the values in the diagrams. These values fit general flight capabilities. Readjust according to your needs and flight level.

Rudder

Side view

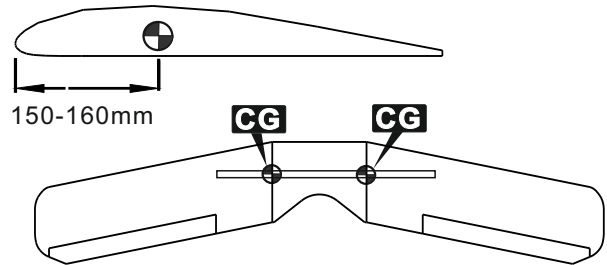


Top view



34 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.

