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DE Havilland DHC-4 Caribou

Item Nr: Cy8037



Instruction Manual

Before commencing assembly, please read these instructions thoroughly.



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..... 2490 mm (98 in)
Wing area..... 60.4 dm² (1936 sq.in)
Empty weight..... 7 kg
Total length..... 1860 mm (73.2 in)
Engine..... 20 cc gas engine (a pair)
Radio..... 5 channels 10 servos

REQUIRED FOR OPERATION (Purchase separately)

- 1** A minimum 5 channel radio for airplanes (with 10 servos). And dry batteries.



CAUTION: Only use a minimum 5 channel radio for airplanes! (No other radio may be used!)

A minimum 5 channel transmitter for airplanes.



12 AA-size Batteries

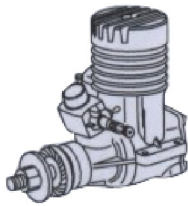


For handing the radio properly, refer to its instruction manual.

- 2** Engine and Muffler
Model Airplane engine
20 cc gas engine (a pair)



Muffler



Glow plug

- 3** Propeller splinner

Purchase a propeller that will match your engine



- 4** Silicone Tube  Fuel Filter 

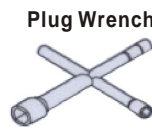
- 5** required for engine starting Glow engine fuel only.



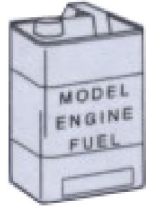
WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump



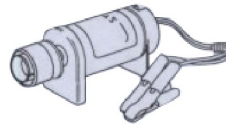
Plug Wrench



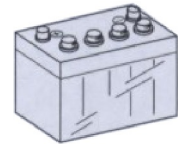
Epoxy Glue

- 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



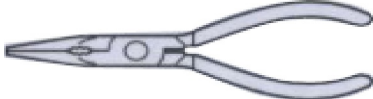
Phillips Screw Driver



Awl



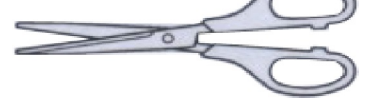
Needle Nose Pliers



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!



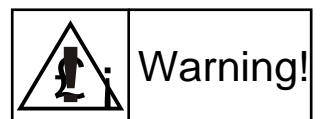
Assemble left and right Sides the same way.



Cut off shaded portion.



Cut off excess.

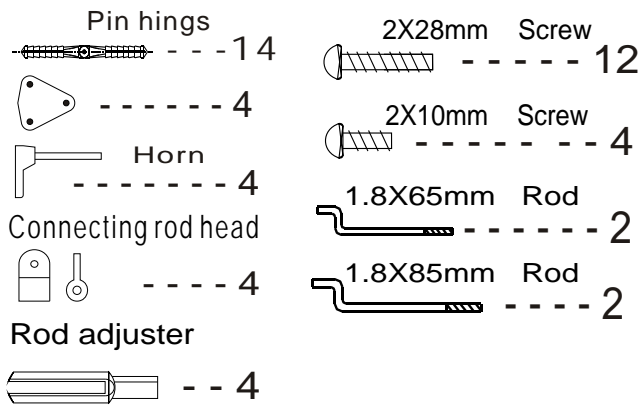


Warning!

Do not overlook this symbol.

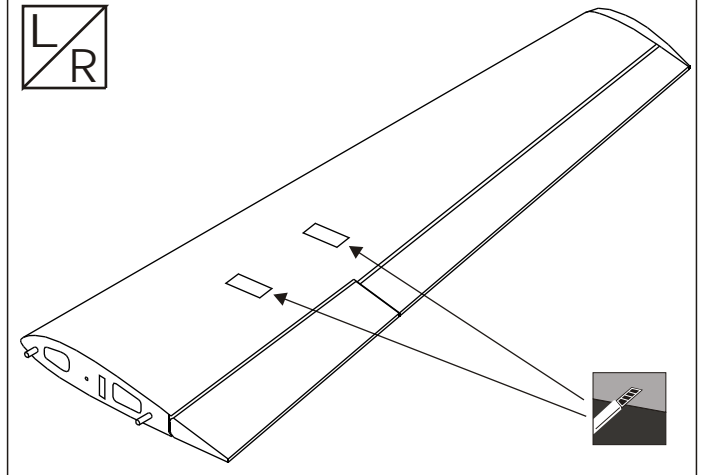


Accessory list for this page.



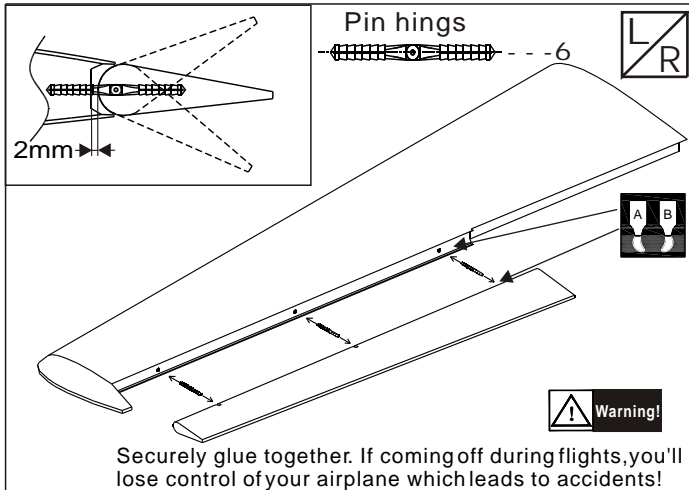
3

Install the aileron servo



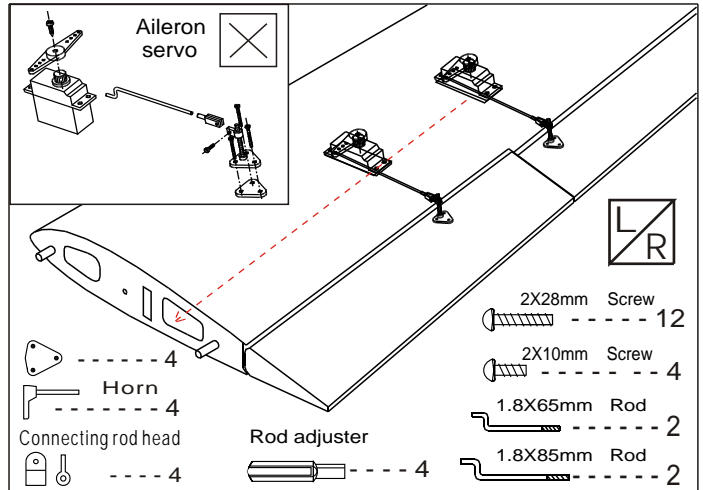
1

Install the aileron



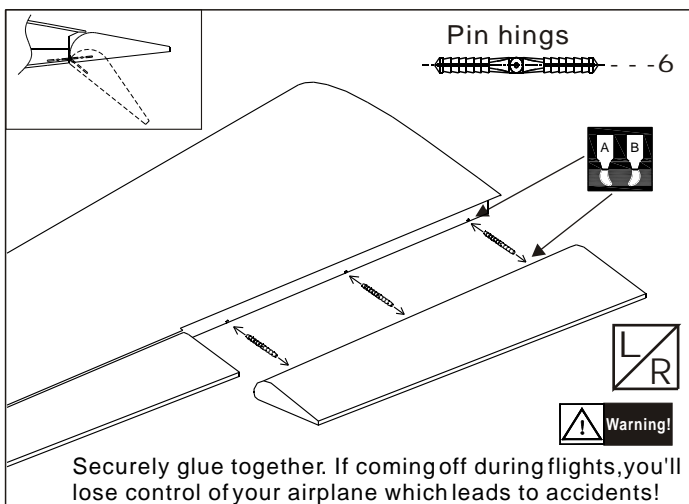
4

Install the aileron servo



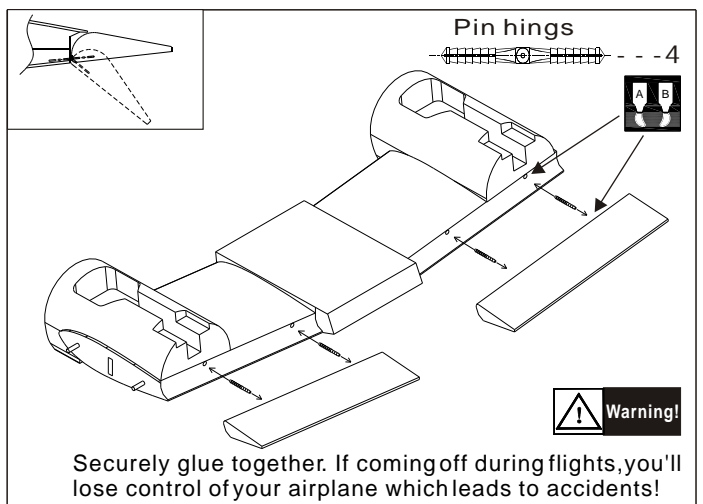
2

Install the flap



5

Install the flap



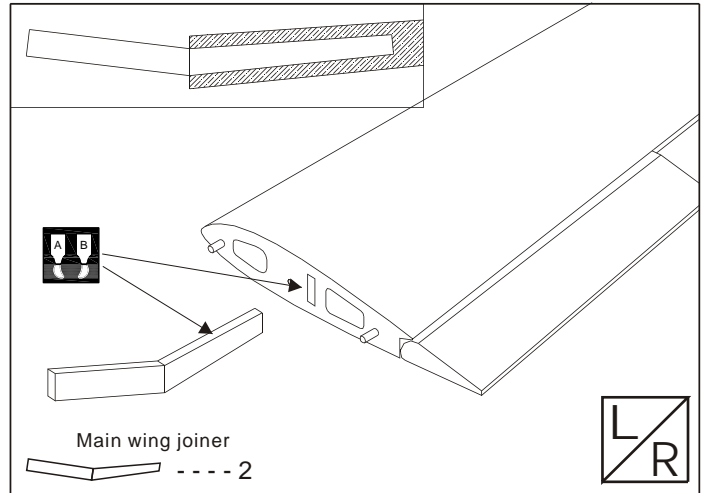


Accessory list for this page.

Horn	----- 2	2X10mm Screw	----- 2	3X18mm screw	----- 8
Connecting rod head	----- 2	1.8X65mm Rod	----- 2	Cap screw	----- 2
2X28mm Screw	----- 6	Main wing joiner	----- 2	3X3mm Screw	----- 4
Rod adjuster	----- 3	4X35mm Cap screw	----- 2	5.2mm nylon Collar	----- 4
4mm Lock nut	----- 2	4mm Washer	----- 2	5.2mm Collar	----- 4

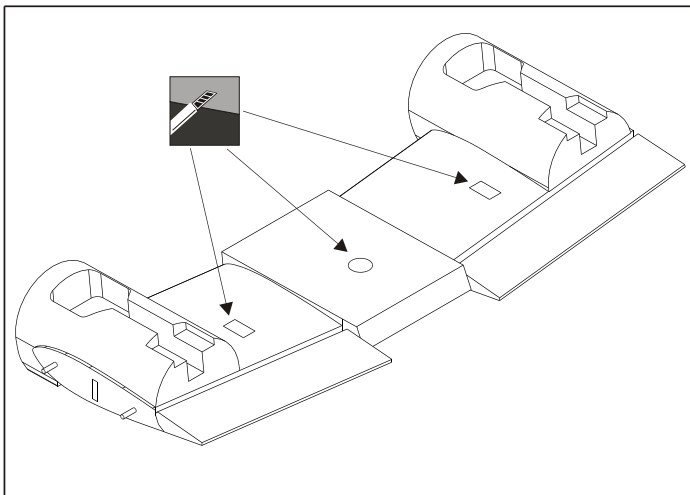
8

Epoxy the main wing to the mid through the main joiner



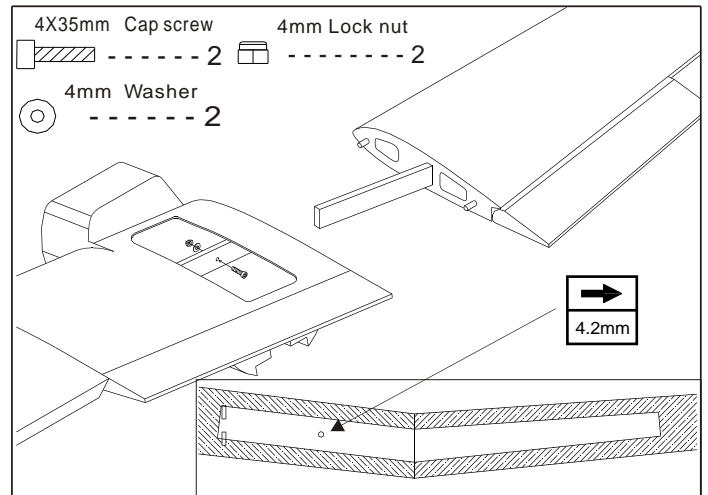
6

Install the flap servo



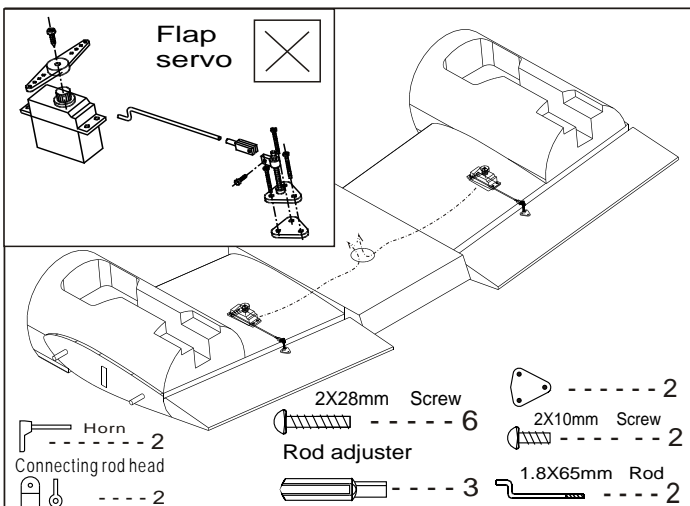
9

Assemble the wing to the fuselage with screw and blind nut



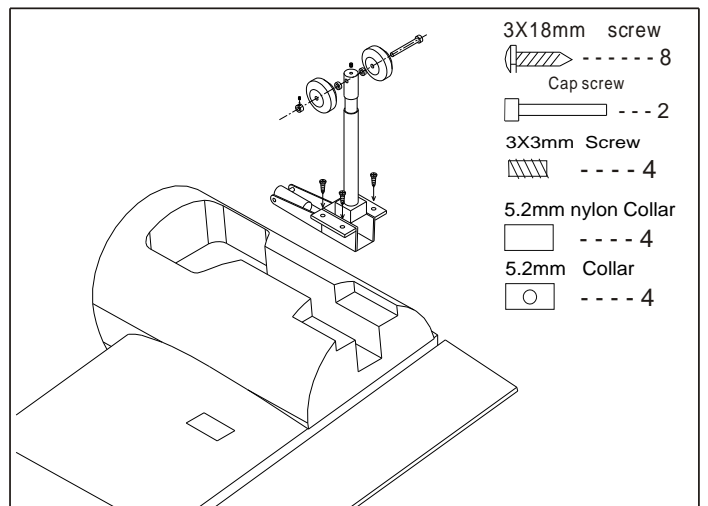
7

Install the flap servo



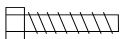
10


Assemble the wheel to landing gear and epoxy the landing gear to the wing steadily







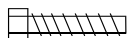
Accessory list for this page.

M5X25 mm Screw
 - - - - 4

5mm Washer
 - - - - 2

Nylon dowel
 - - - - 2


5mm Blind Nut
 - - - - 2

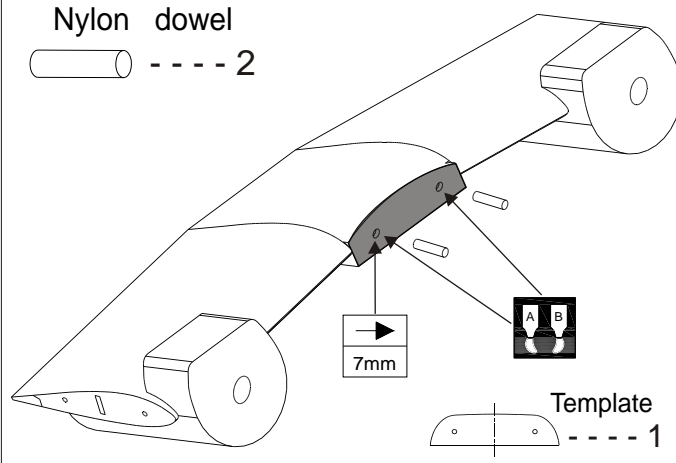
M5X60 mm Screw
 - - - - 2

13

Drill holes in the wings and set the wood dowel in them as below

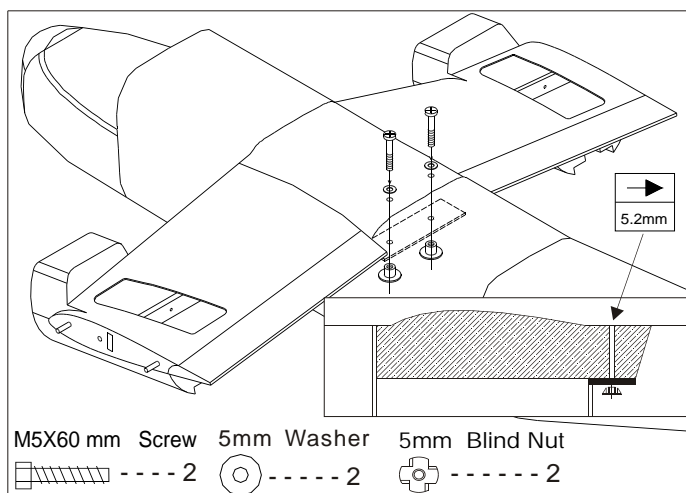
Nylon dowel

 - - - - 2



14

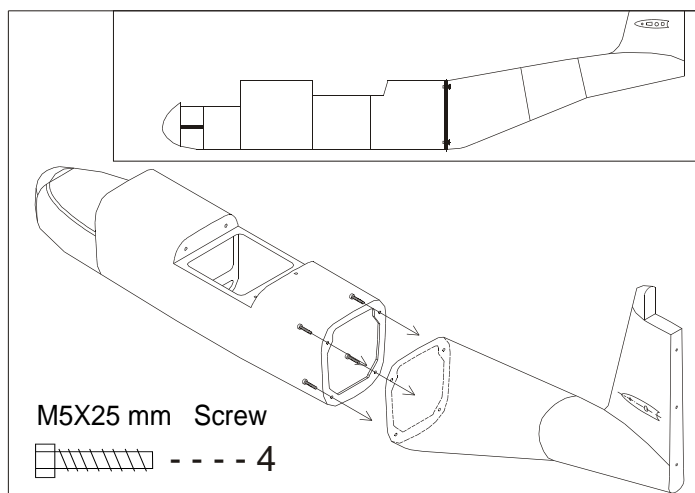
Assemble the wings to the fuselage with screw and blind nut as below

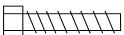


M5X60 mm Screw - - - - 2
5mm Washer - - - - 2
5mm Blind Nut - - - - 2

11

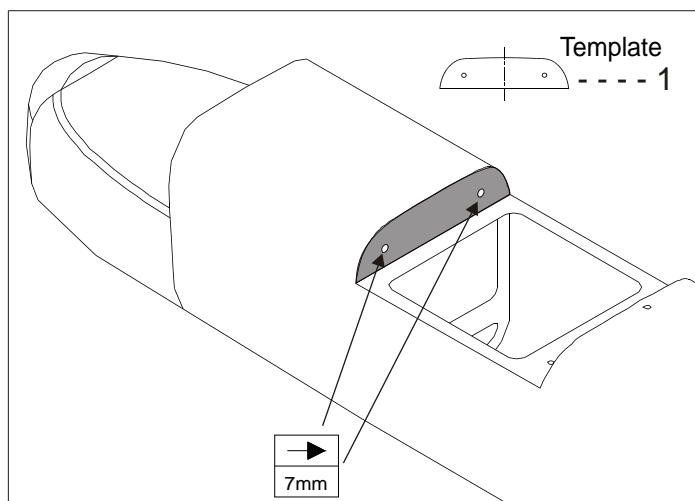
In the fuselage of the screw assembly



M5X25 mm Screw
 - - - - 4

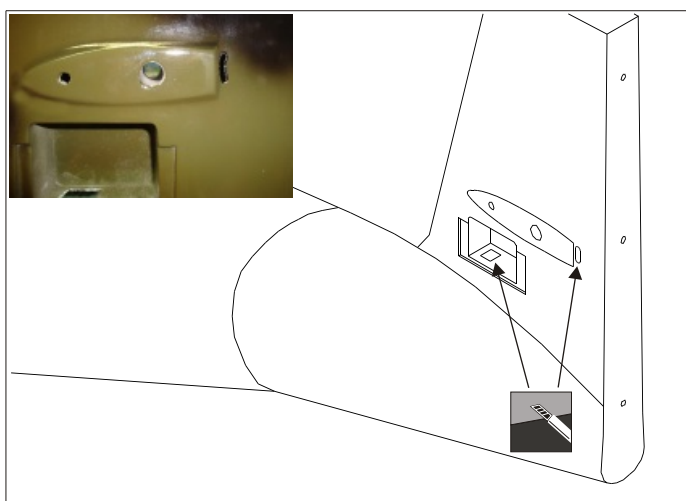
12

Drill holes to relevant position in the fuselage



15

Assemble the stabilizer to the fuselage





Accessory list for this page.

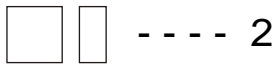
U-style wire



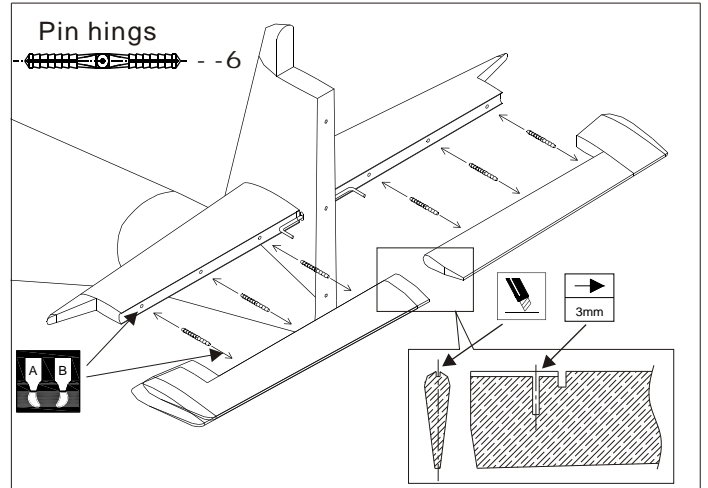
Pin hinges



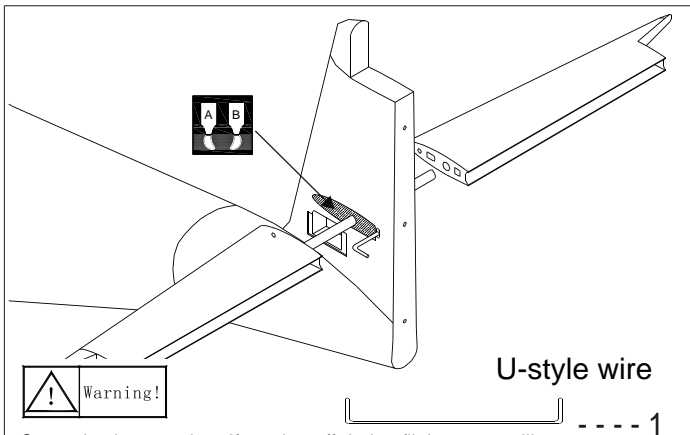
Wooden Block



18 Glue the elevator to the stabilizer by A/B and epoxy



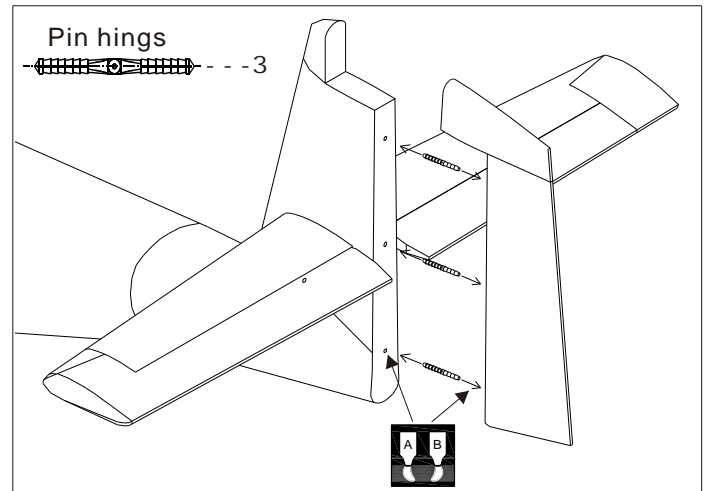
16 Install the U-style wire to appropriate position in the tail of fuselage and assemble the stabilizer to fuselage as illustration



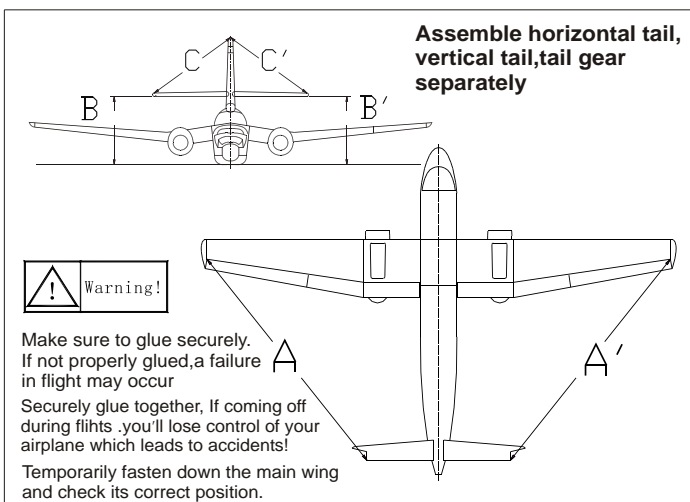
Warning!

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

19 Assemble the servos and switch in the fuselage



17 Assembly of the stabilizer



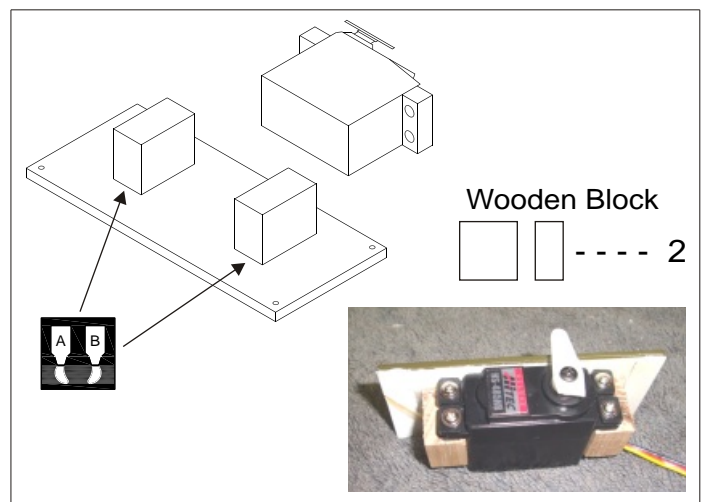
Warning!

Make sure to glue securely. If not properly glued, a failure in flight may occur

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

Temporarily fasten down the main wing and check its correct position.

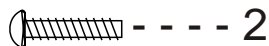
20 Assemble the rudder servo



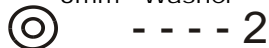


Accessory list for this page.

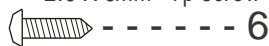
M3X20mm Screw



3mm Washer



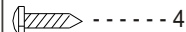
2.6 X 8mm Tp screw



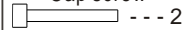
23

Assemble the wheel to landing gear and epoxy the landing gear to the wing steadily

3X18mm screw



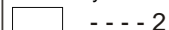
Cap screw



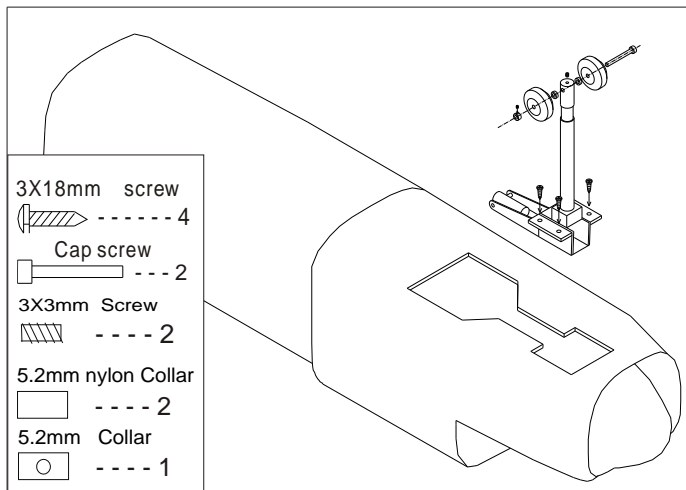
3X3mm Screw



5.2mm nylon Collar

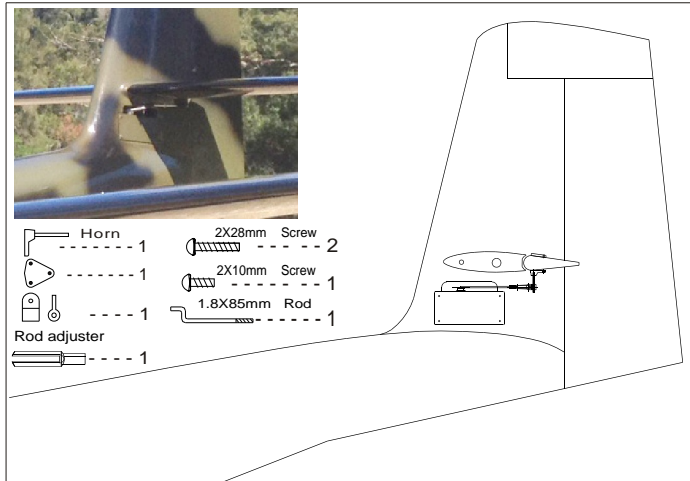
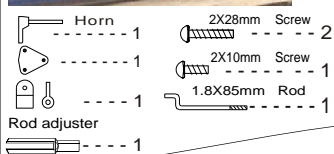


5.2mm Collar



21

Elevator. Connect the linkage rod to the horn



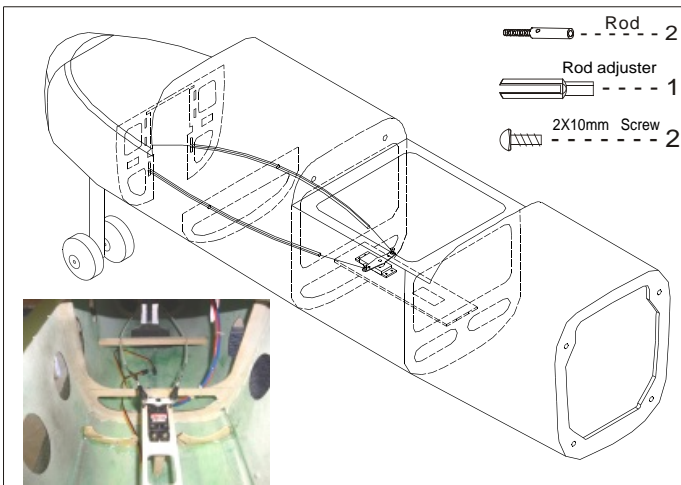
24

Install the front-wheel drive

Rod 2

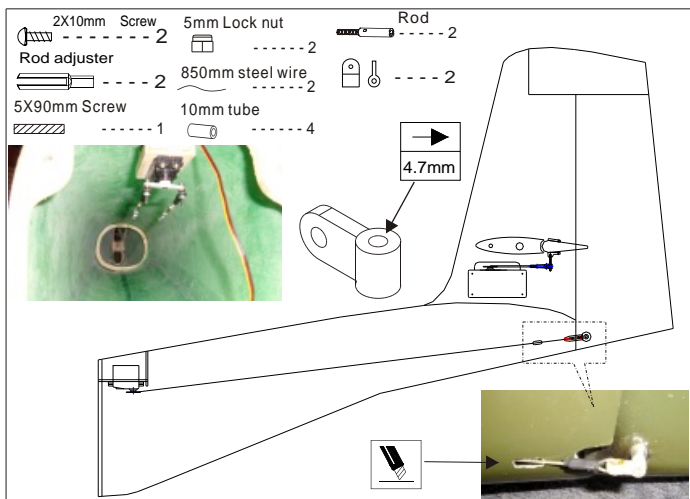
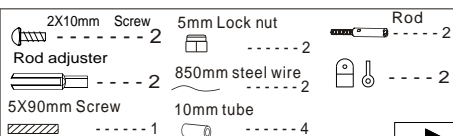
Rod adjuster 1

2X10mm Screw 2



22

Rudder. Connect the linkage rod to the horn



25

Assembly of the engine

115mm

M3 Lock Nut

4X25mm Screw

3mm Blind Nut

3X25mm Screw

3mm Washer

8

8

8

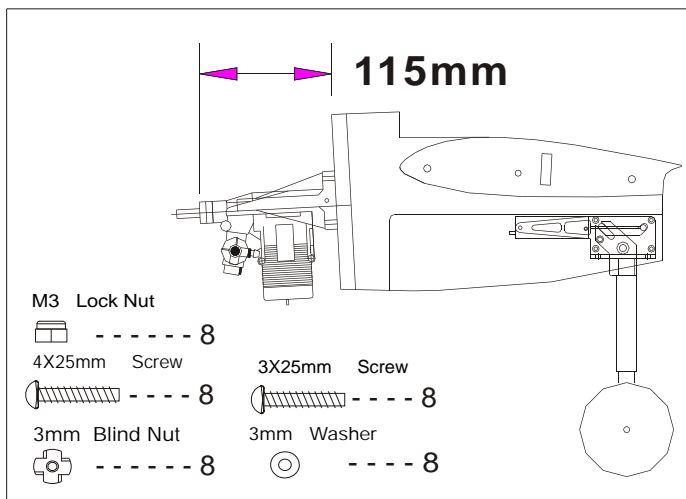
8

8

8

8

8





Accessory list for this page.

Nylon dowel



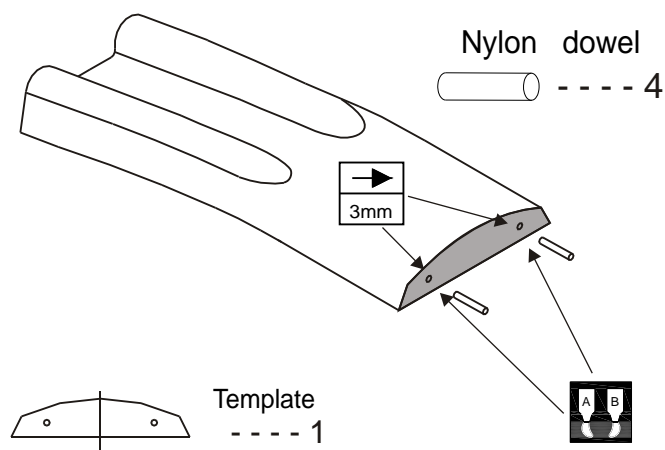
28 Mount fuel tank to the wing



26 Assembly of the engine

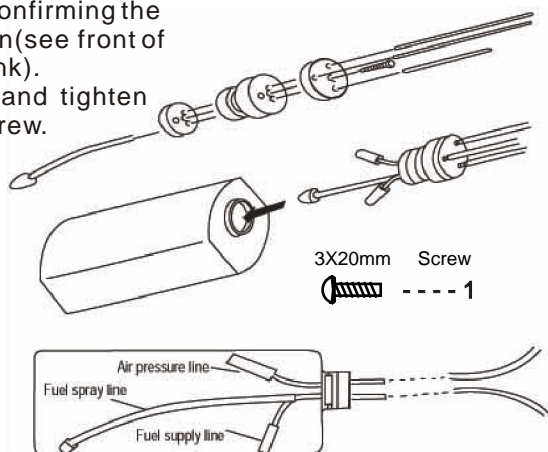


29 Assembly of the cover with dowel

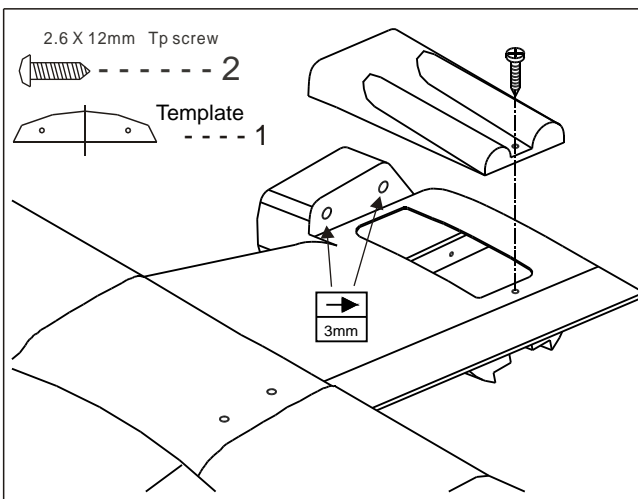


27 Assembly of the full tank

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



30 Assembly of the cover with screw





Accessory list for this page.

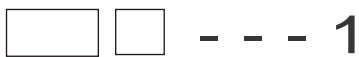
2.6 X 12mm Tp screw



2.6 X 8mm Tp screw

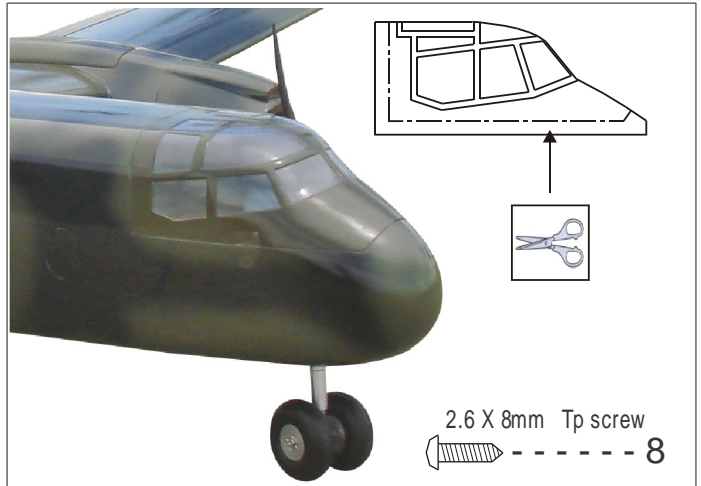


15x15x75mm wood



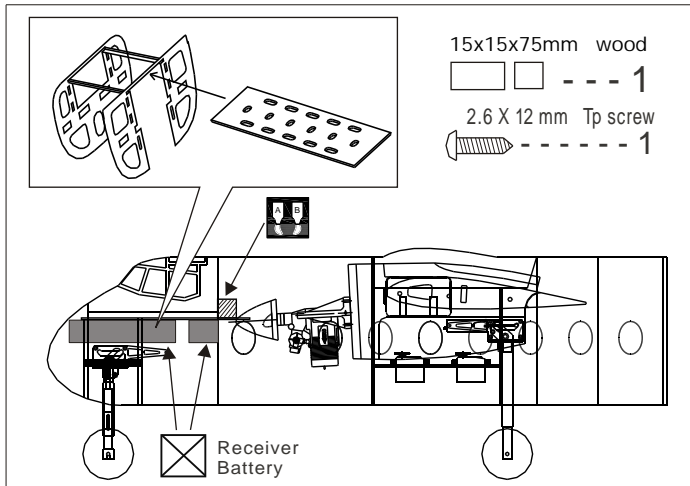
33

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



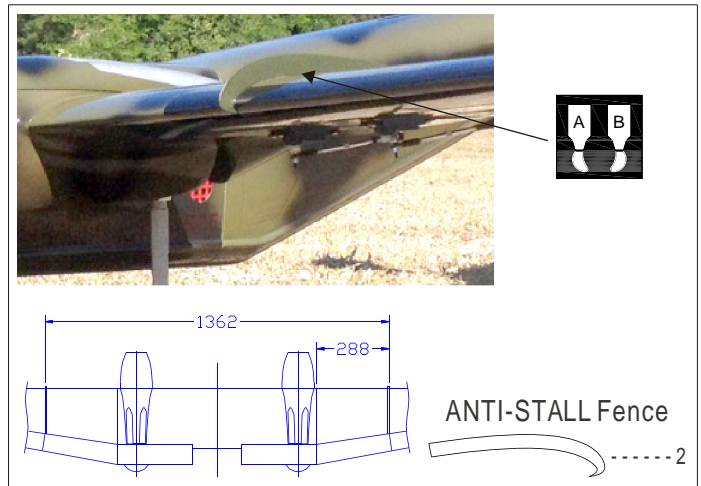
31

Mount the receiver and battery in the fuselage



34

Install the ANTI-STALL Fence



32

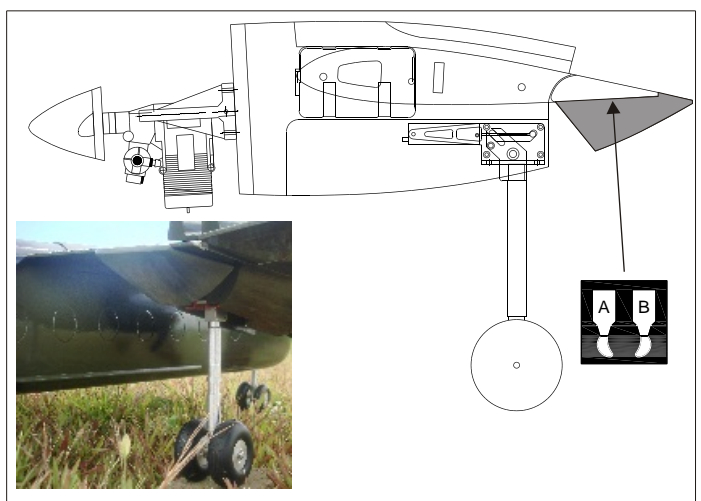
Assemble the cowling

2.6 X 12mm Tp screw



35

Install nacelle tail block



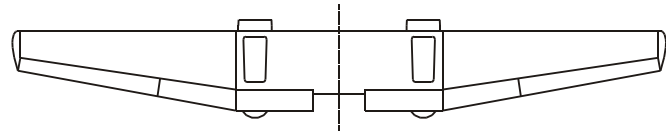
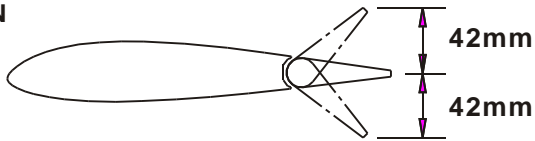
36 Adjustment.

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

Side view

Top view

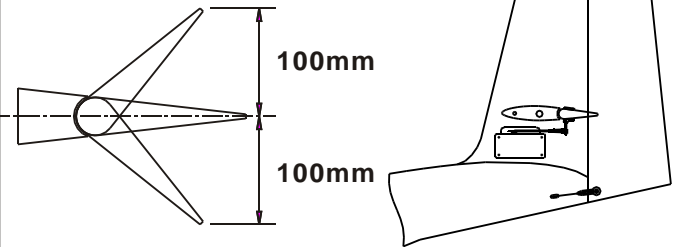


38 Adjustment

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
Top view

Side view



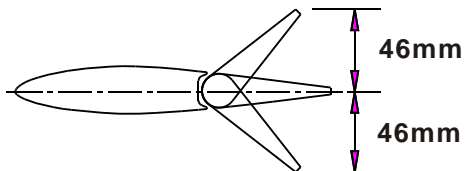
37 Adjustment.

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

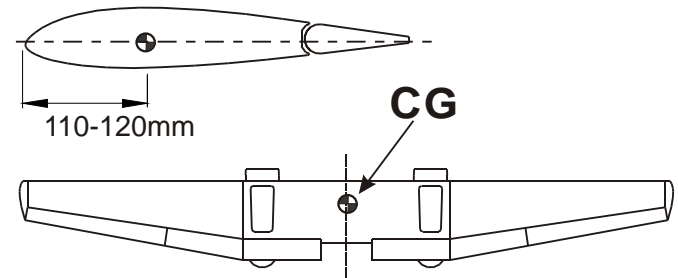
Side view

Top view



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.