

Before commencing assembly, please read these instructions thoroughly.



Douglas SBD-5 Dauntless



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.

SPECIFICATION

Wing span ...2540 mm (100in)
Wing Area.....124 dm² (1920 sq.in)
Length.....2032 mm (80in)
Engine.....80-100cc gas engine
Radio.....8 channel 10 servos

REQUIRED FOR OPERATION (Purchase separately)

- 1** A minimum 8 channel radio for airplanes (with 10 servos). And dry batteries.



CAUTION: Only use a minimum 8 channel radio for airplanes! (No other radio may be used!)

A minimum 8 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
80-100 cc gas engine



Muffler



Ignition



- 3** Propeller splinner

Purchase a propeller that will match your engine



- 4** Silicone Tube Fuel Filter Fuel Filter

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



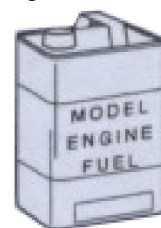
WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump

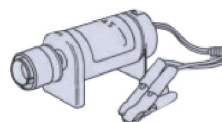


Plug Wrench

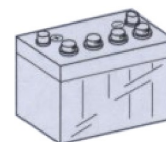


- 6** Glue Instant glue Epoxy Glue

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



Engine Starter



12V Battery (for starter)

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



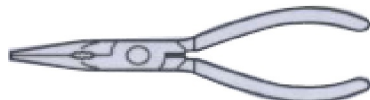
Phillips Screw Driver



Awl



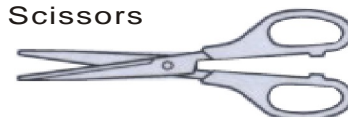
Needle Nose Pliers



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!



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.



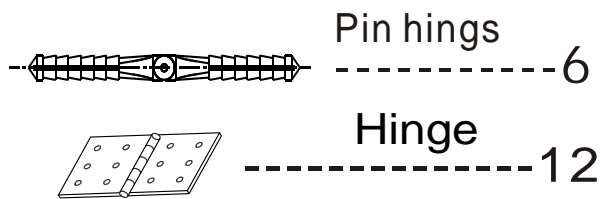
Cut off shaded portion.



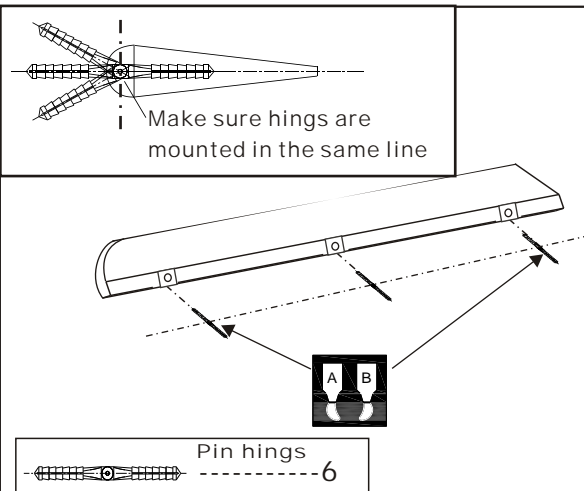
Cut off excess.



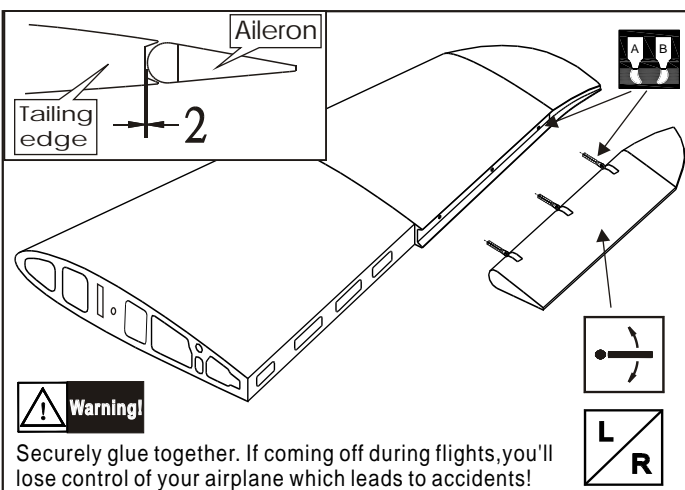
Accessory list for this page.



1 Apply instant type AB glue to aileron and pin hinge

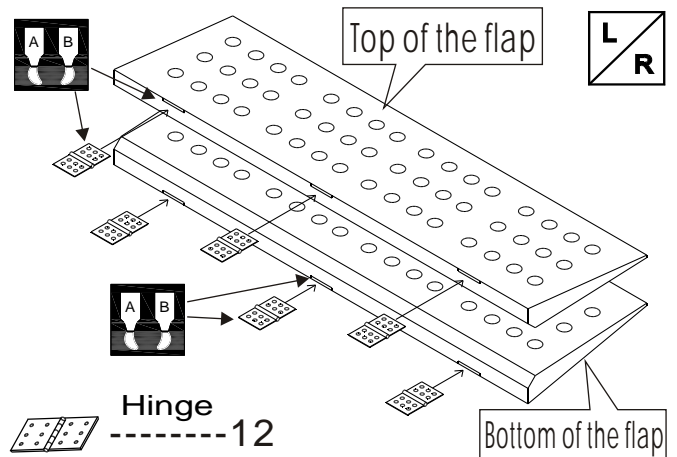


2 Install the aileron



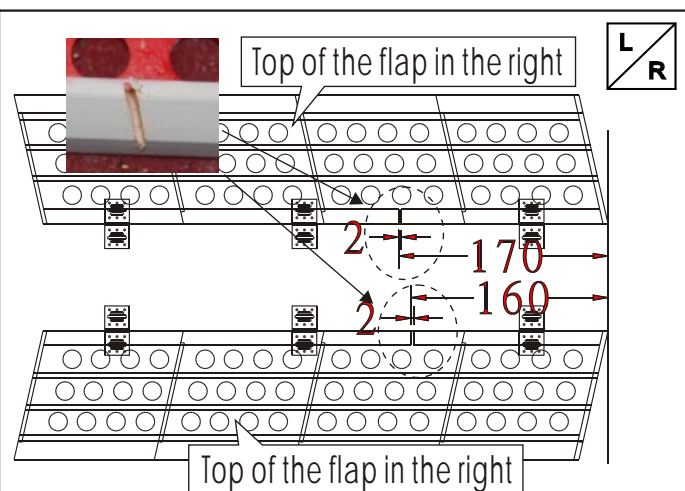
3

Epoxy the pin hinges to top of the flap and bottom of the flap as illustration



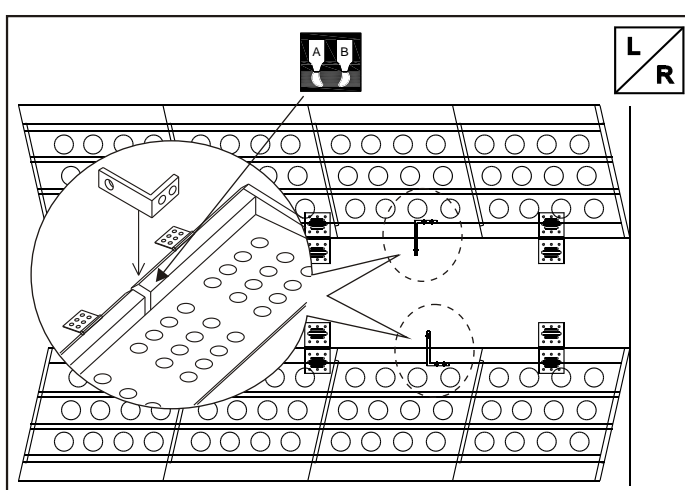
4

Cut a groove to appropriate position in the flap



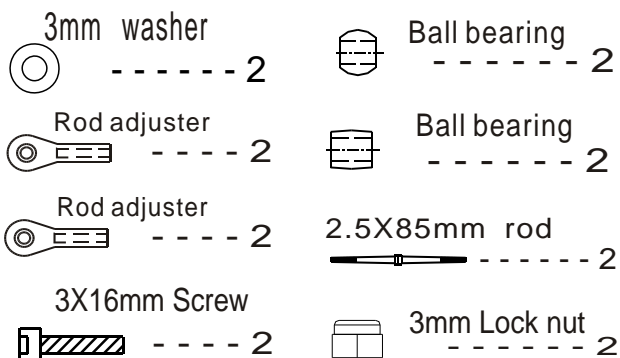
5

Assemble of the flap



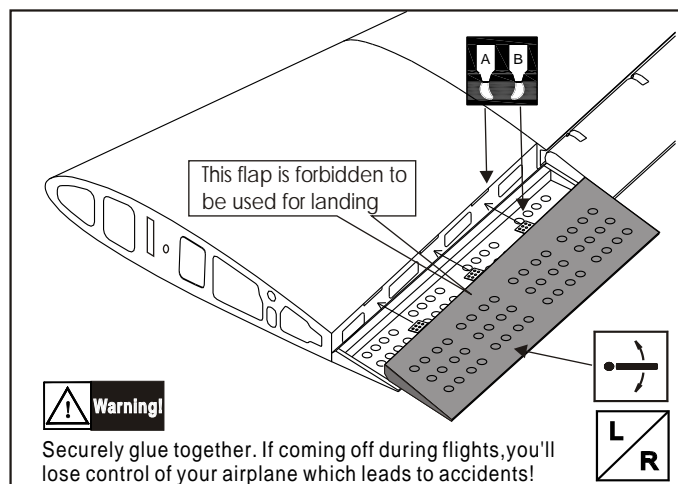


Accessory list for this page.



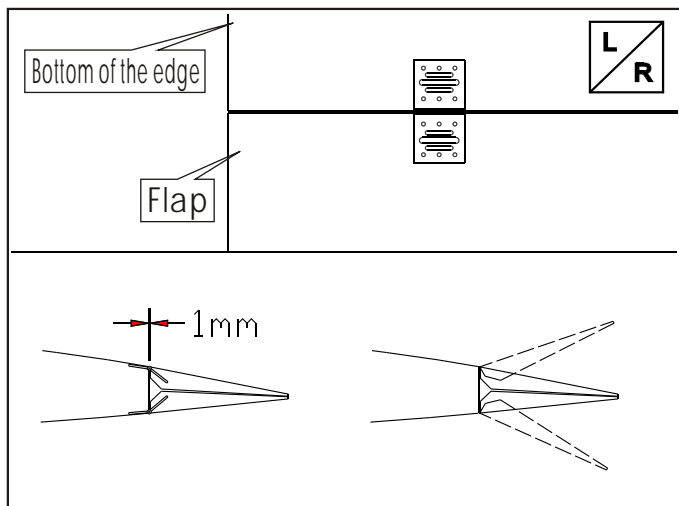
8

Epoxy the top plap part to the wing as illustration



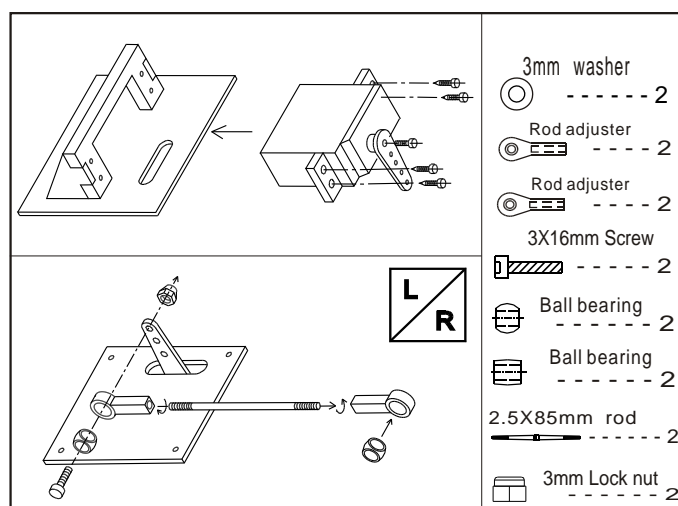
6

Keep some space about 1mm width between trailing and flap



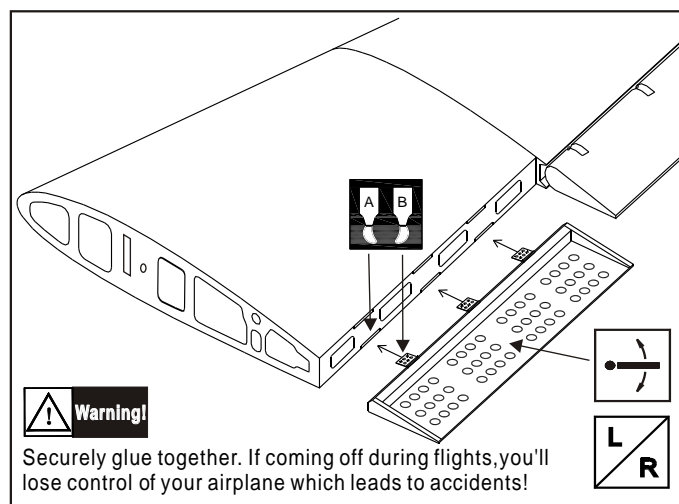
9

Assemble of the servo, Secure the servo install the nylon control horn and connect the linkage



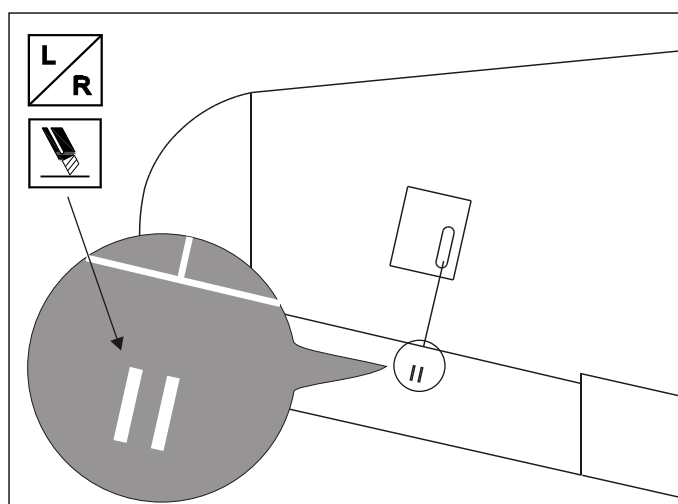
7

Epoxy the bottom plap part to the wing as illustration



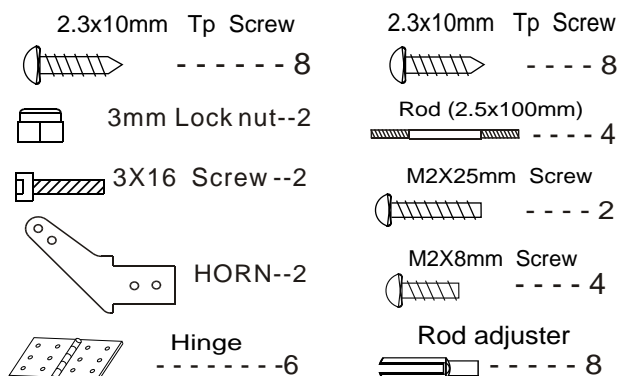
10

The position of the control horn in the aileron

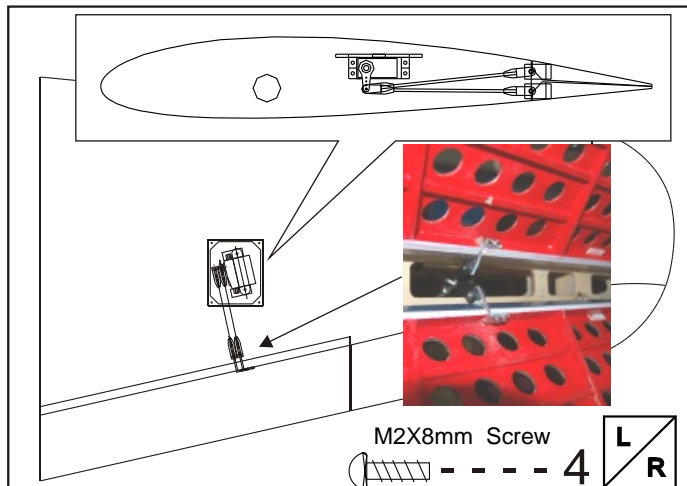




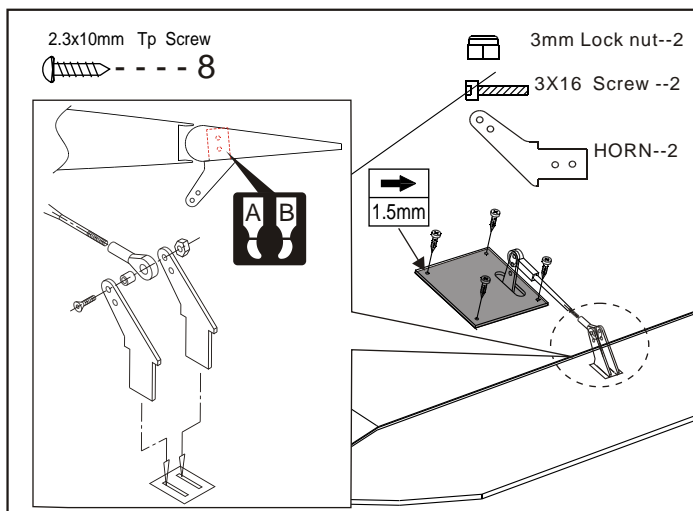
Accessory list for this page.



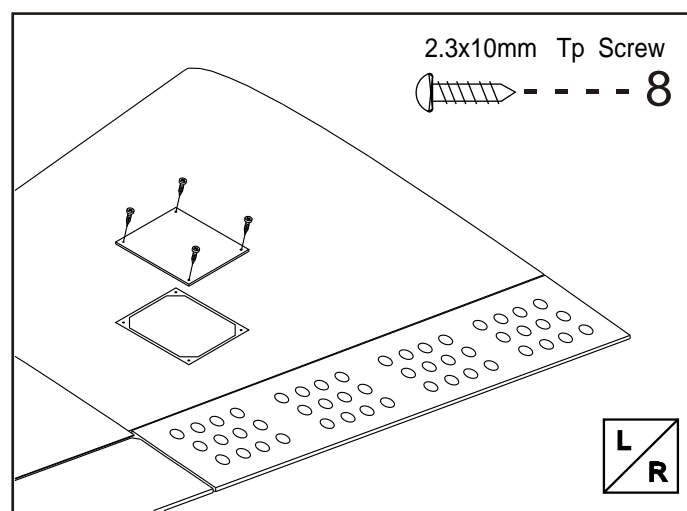
13 Link the rods to the servo as illustration



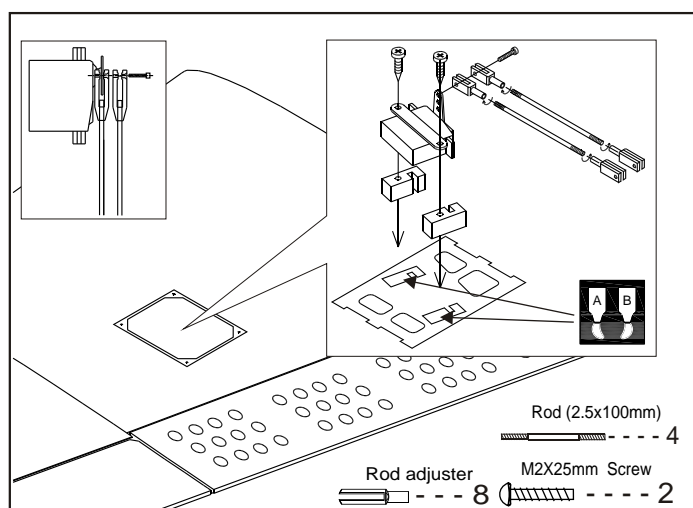
11 Secure the servo .Install the nylon control horn and connect the linkage.



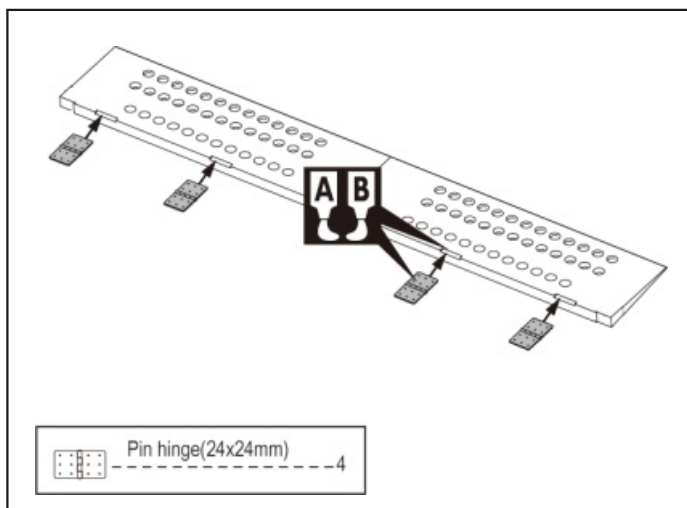
14 Install the tray



12 Install the servo.



15 Epoxy the pin hinges to the flap of the mid wing



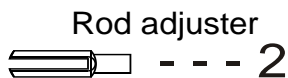


Accessory list for this page.



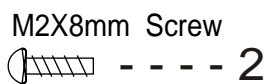
Hinge

----- 4



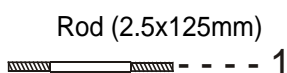
Rod adjuster

----- 2



M2X8mm Screw

----- 2

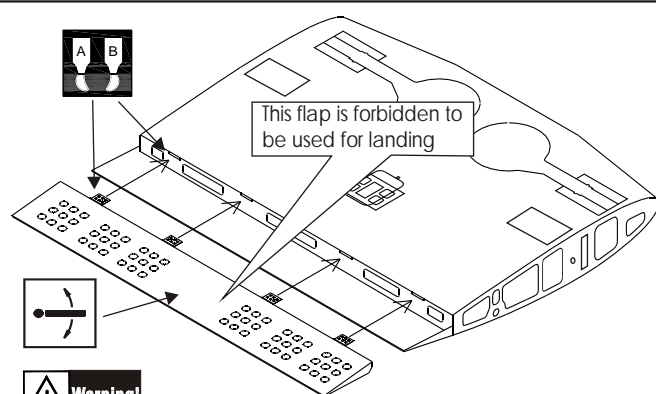


Rod (2.5x125mm)

----- 1

18

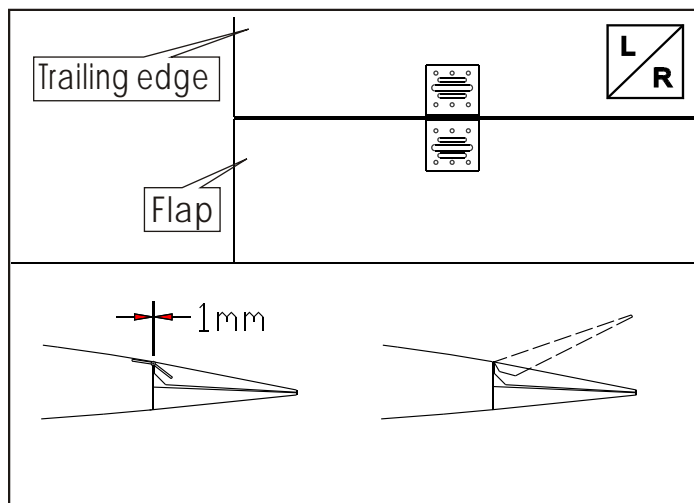
Epoxy the flap to the mid wing



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

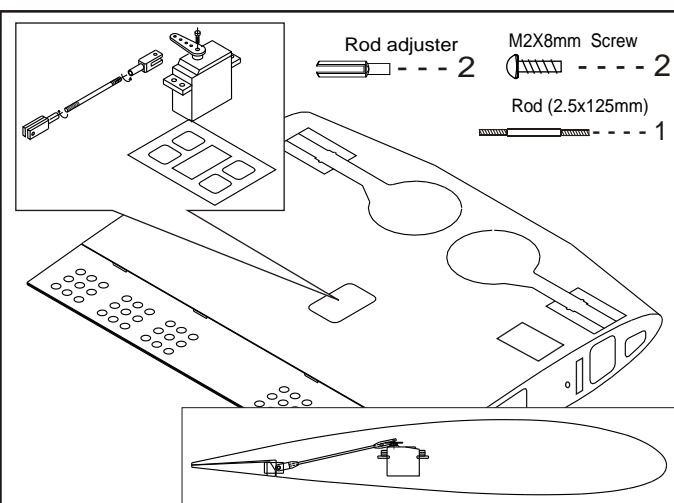
16

Keep some space with about 1mm width between the trailing edge and flap



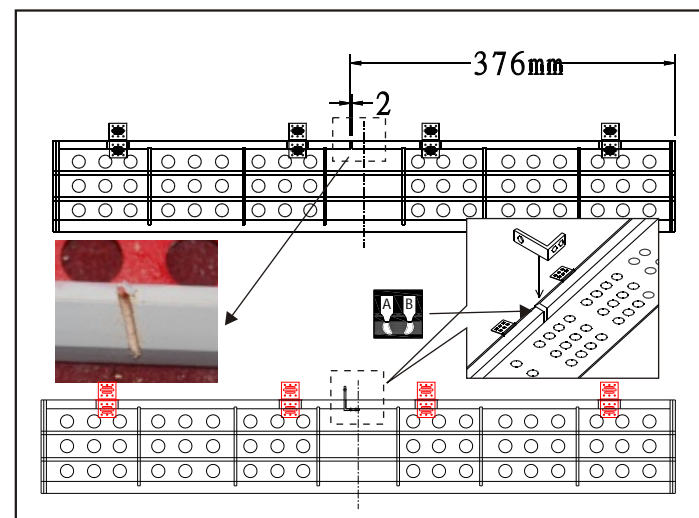
19

Installation the servo



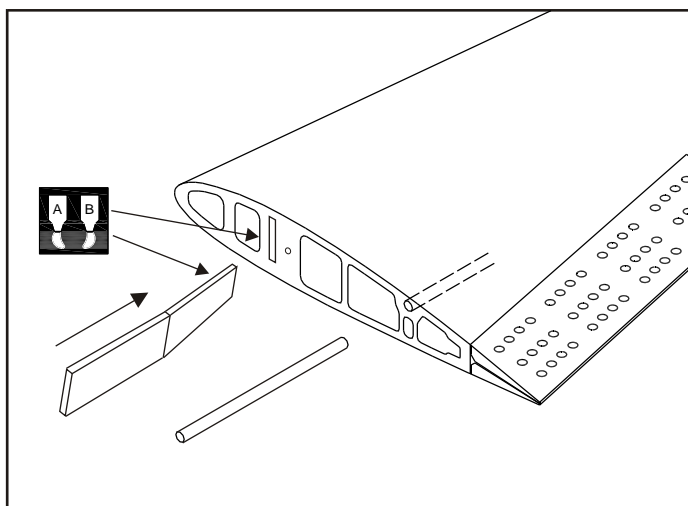
17

Cut a groove to appropriate position in the flap



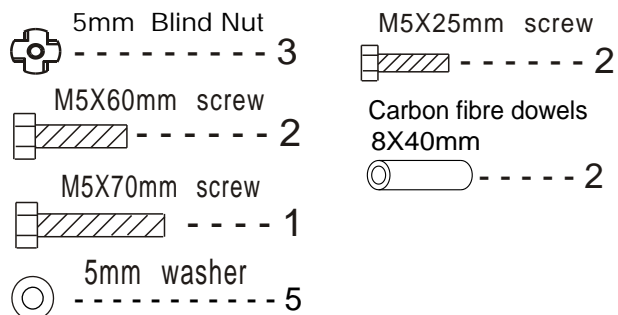
20

Assemble the wings



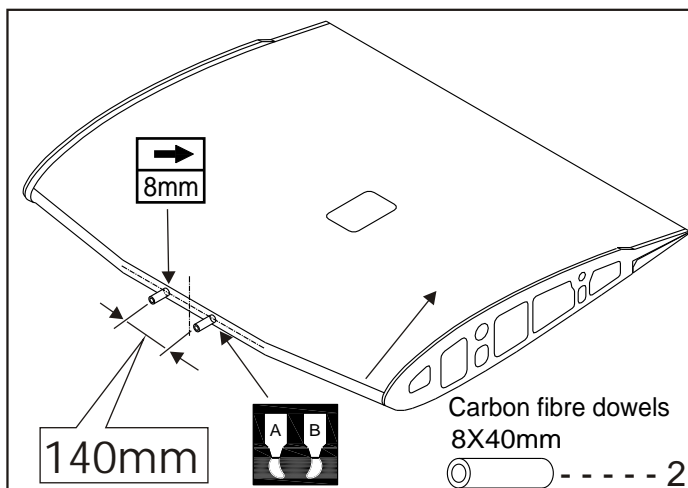


Accessory list for this page.



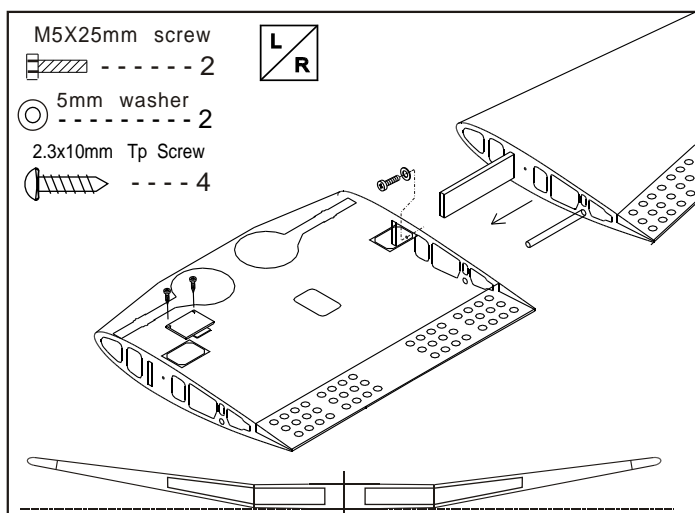
23

Drill holes in the wings and set the Carbon fibre dowels in them as below



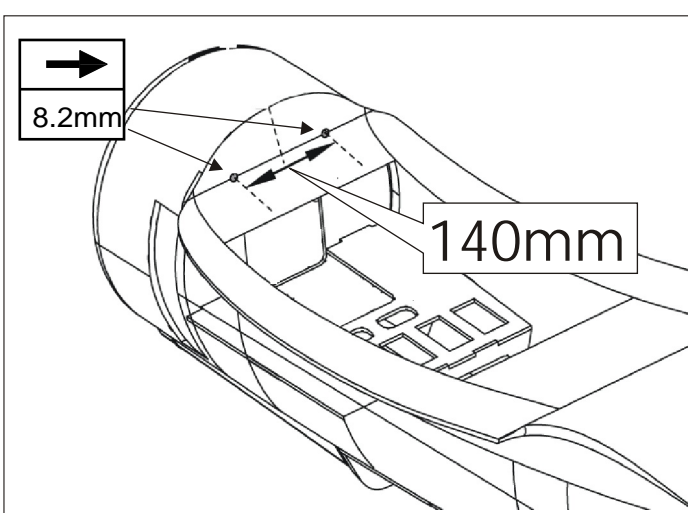
21

Assemble the wings



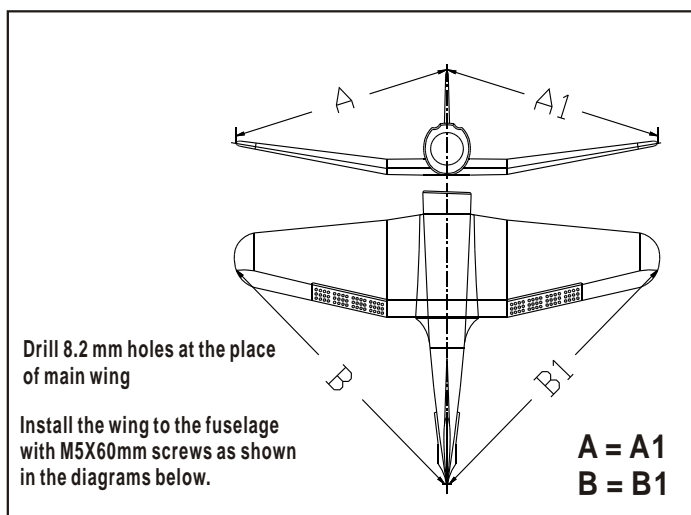
24

Drill holes to relevant position in the fuselage



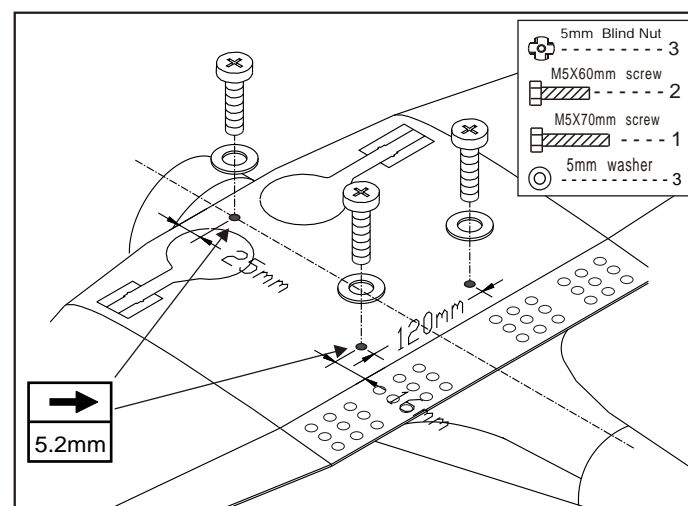
22

Assemble the wings



25

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





Accessory list for this page.

5X45mm Axletree

----- 2

3X20mm Tp screw

----- 8

5.2mm Collar

----- 2

3X3mm screw

----- 2

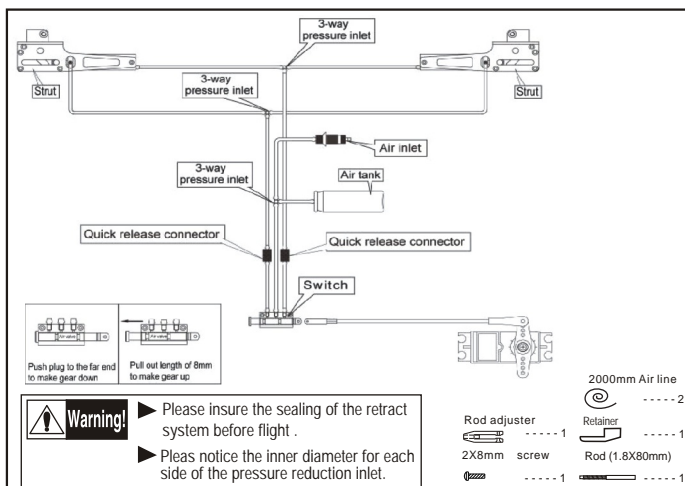
4X4mm screw

----- 2

Pin hinges

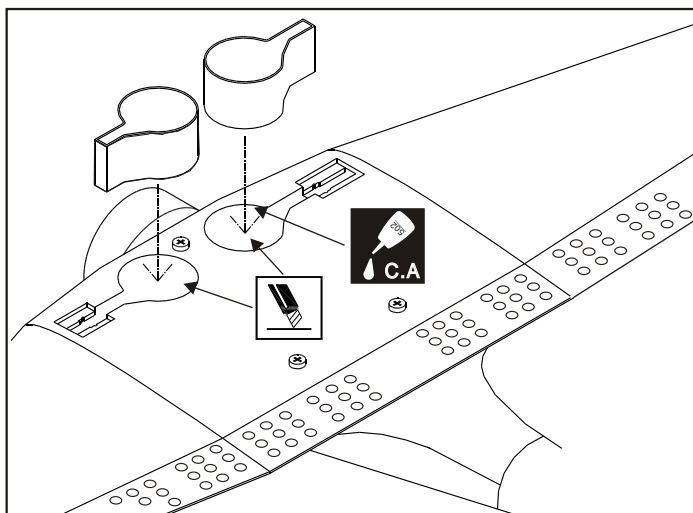
----- 6

28 Two wheel retract system

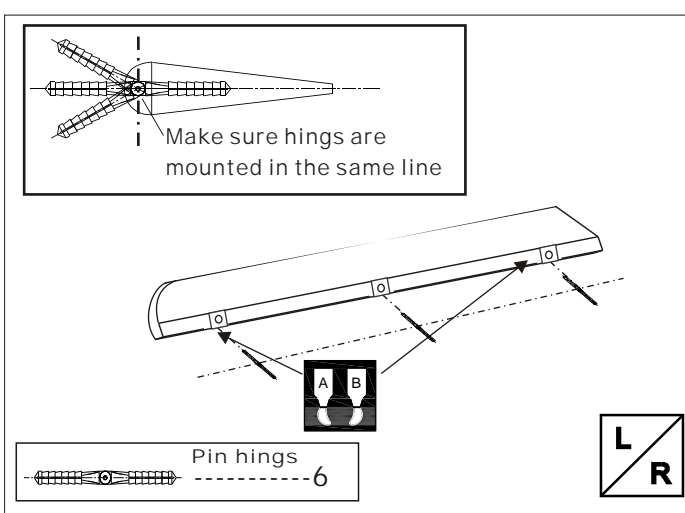


26 Epoxy the wheel wells to the holes

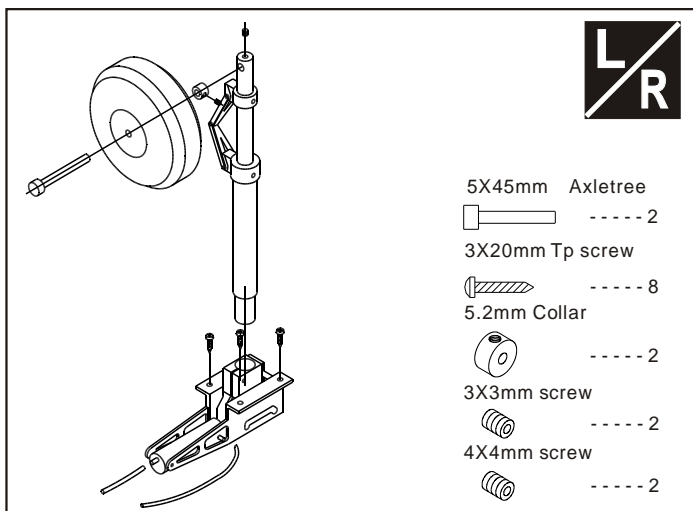
Trim the holes if necessary



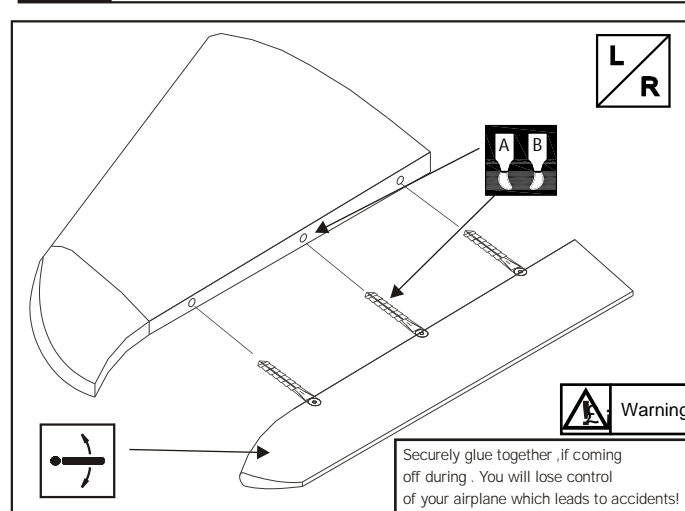
29 Epoxy pin hinges to elevator



27 Assemble of the landing gear

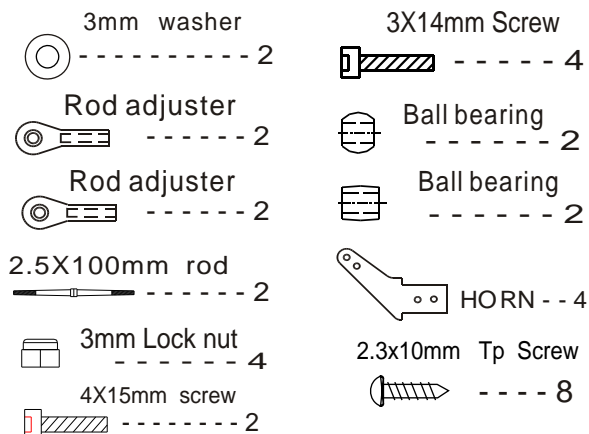


30 Assemble the elevator to stabilizer



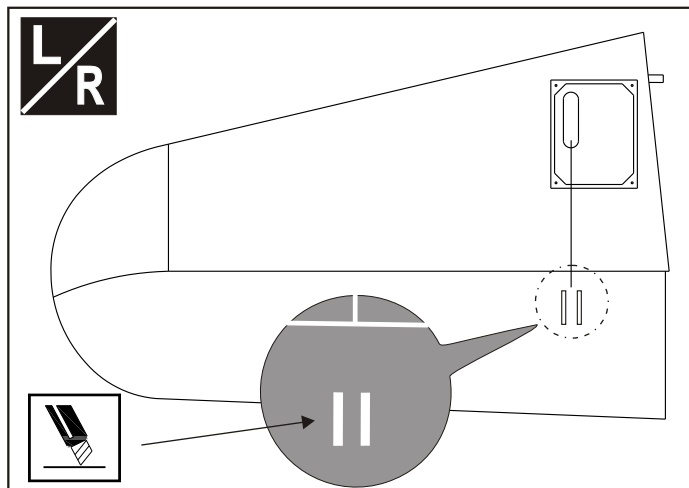


Accessory list for this page.



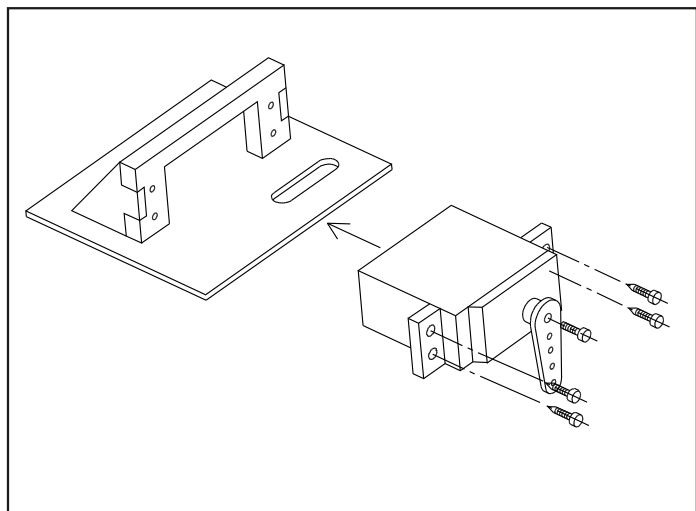
33

The position of the control horn in the elevator



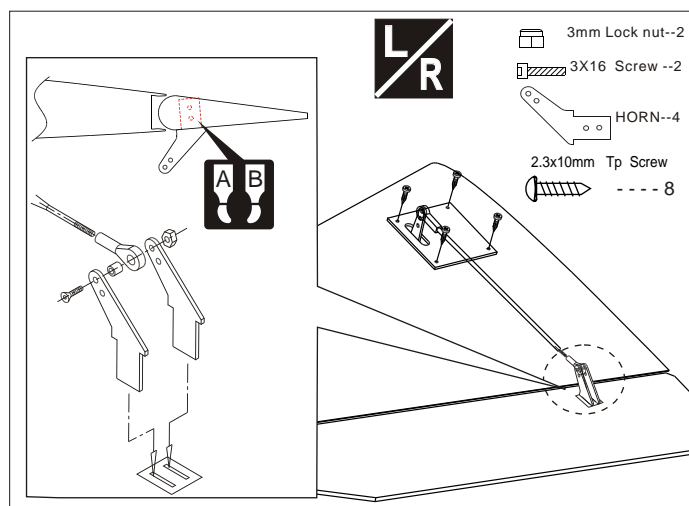
31

Install the servo



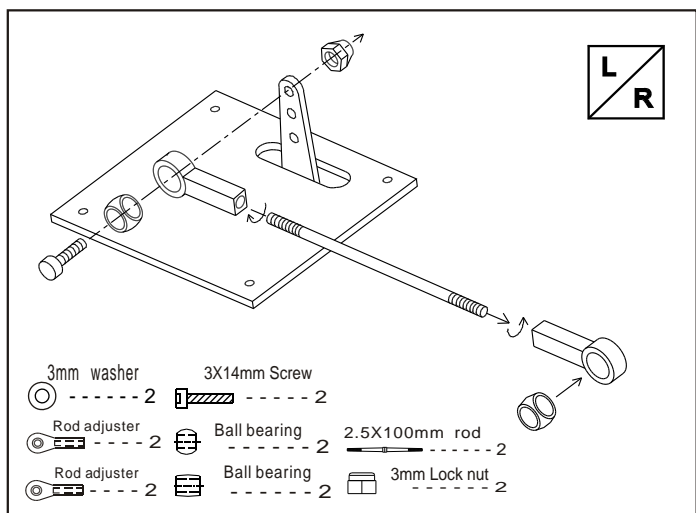
34

Secure the servo. Install the nylon control horn and connect the linkage



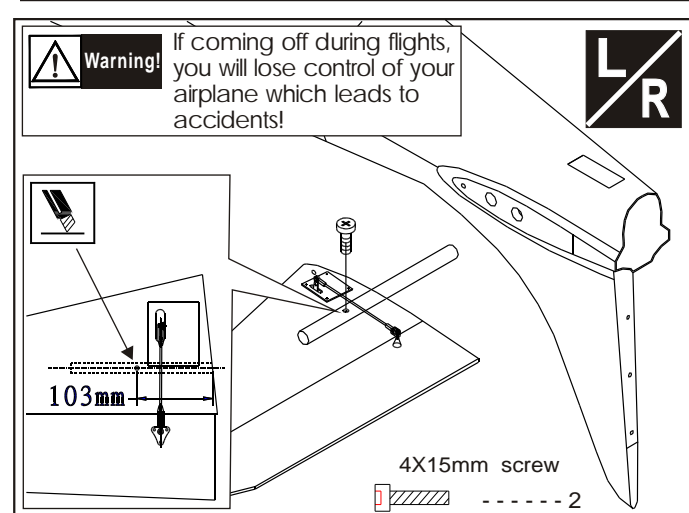
32

Install the nylon control horn and the linkage



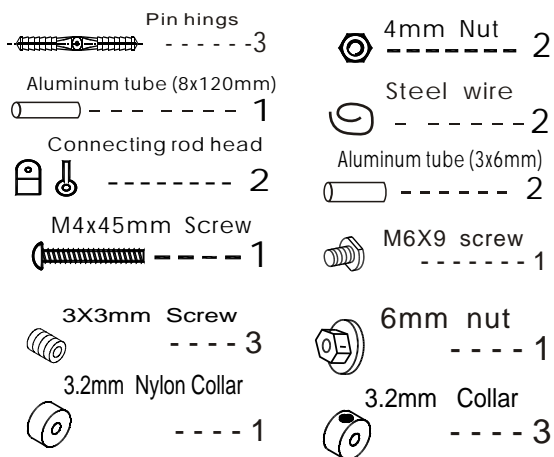
35

Assemble the stabilizer to fuselage as illustration



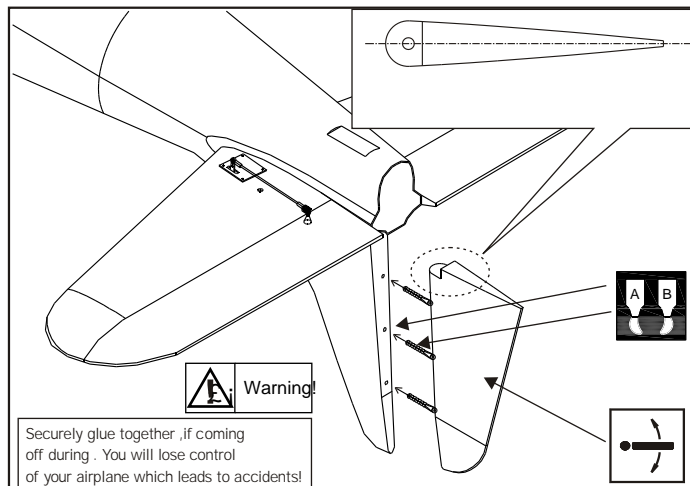


Accessory list for this page.



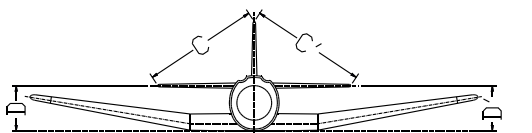
38

Epoxy the rudder to the vertical tail edge.



36

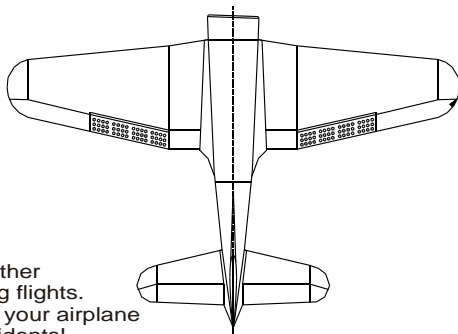
Assembly of the stabilizer



$C=C'$
 $D=D'$

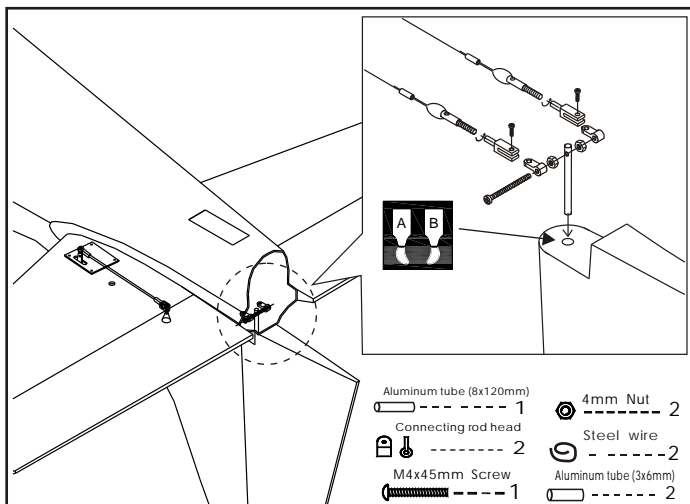


Warning!
Securely glue together, if coming off during flights. You lose control of your airplane which leads to accidents!



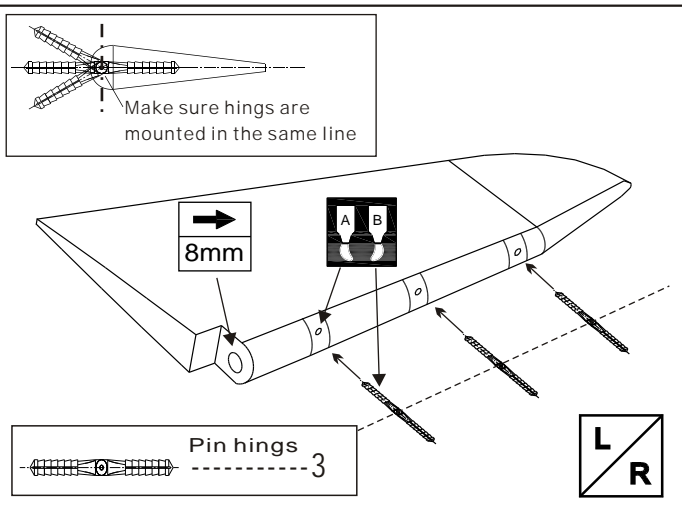
39

Secure the servo. Install the nylon control horn and connect the linkage



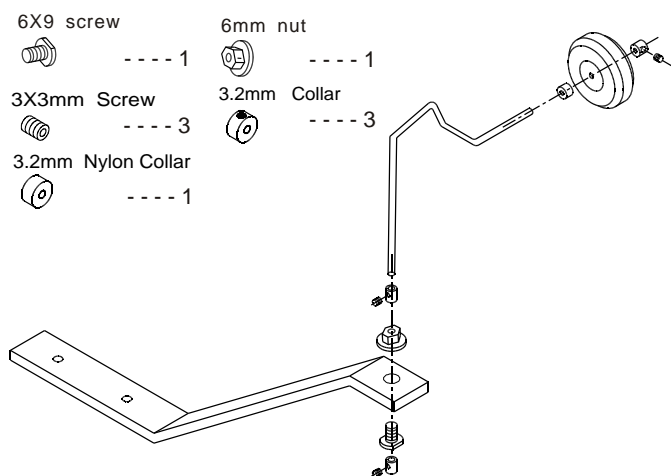
37

Apply instant type AB glue to rudder and pin hinge



40

Assemble the tail landing gear to the wheel steering mounts as below





Accessory list for this page.

M4X20mm Cap screw

----- 2

4mm Blind Nut

----- 2

Rod adjuster

----- 2



Rod

----- 2

2.3x10mm Tp Screw

----- 4

Steel wire

----- 2

Aluminium tube

----- 2

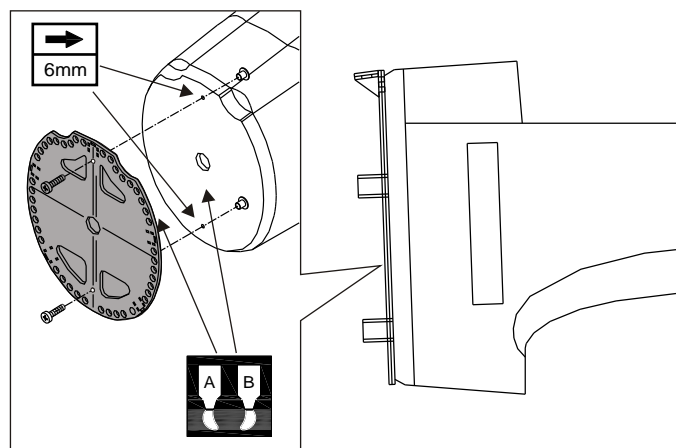
3X3mm Screw

----- 1

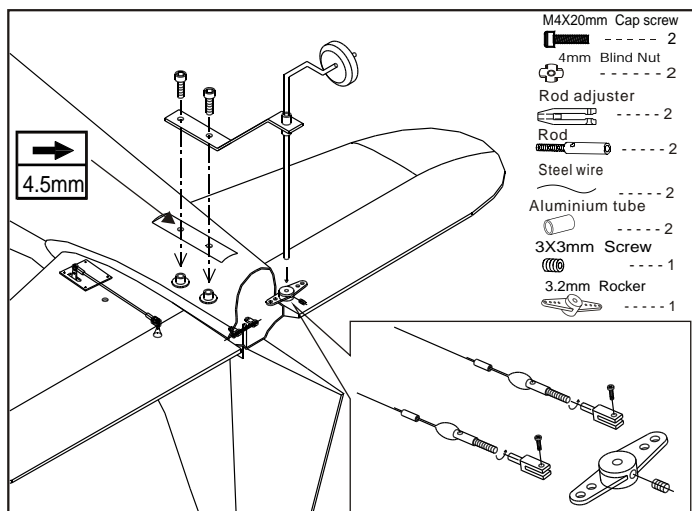
3.2mm Rocker

----- 1

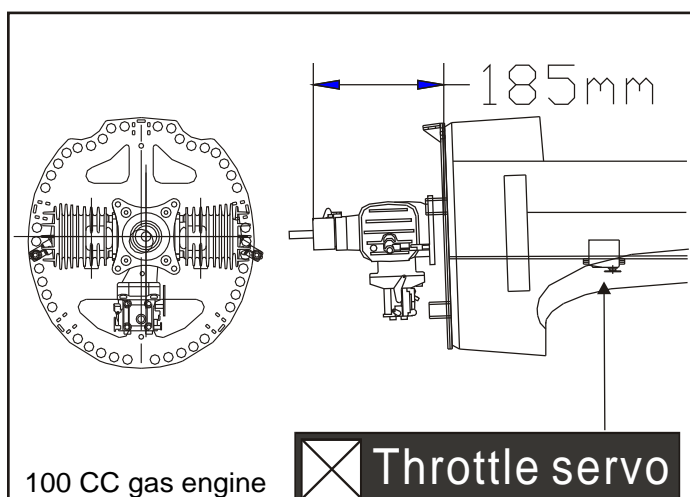
43 Assembly of the engine



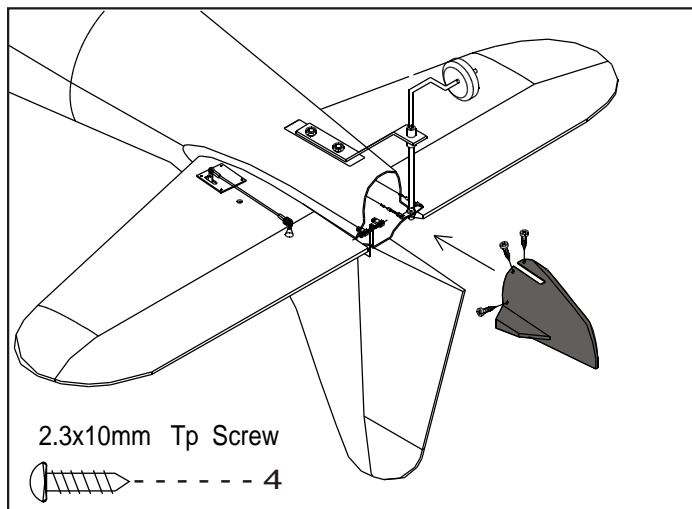
41 Assemble the tail landing gear to the fuselage



44 Assembly of the engine

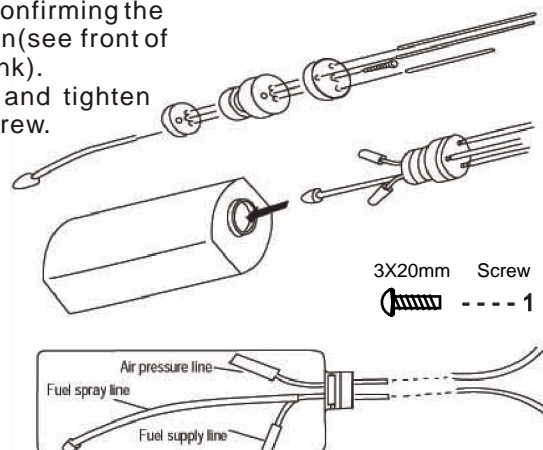


42 Fitting of the tail wheel assembly



45 Assembly of the full tank

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





Accessory list for this page.

Rod adjuster



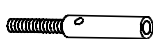
--- 2

Aluminium tube



----- 1

Rod



--- 2

Aluminium tube



----- 1

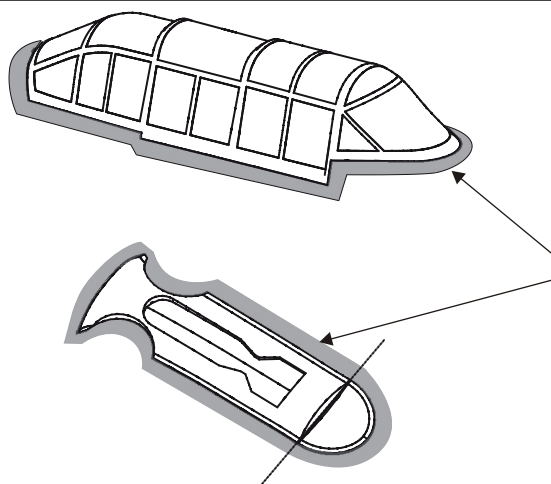
Aluminium tube



----- 2

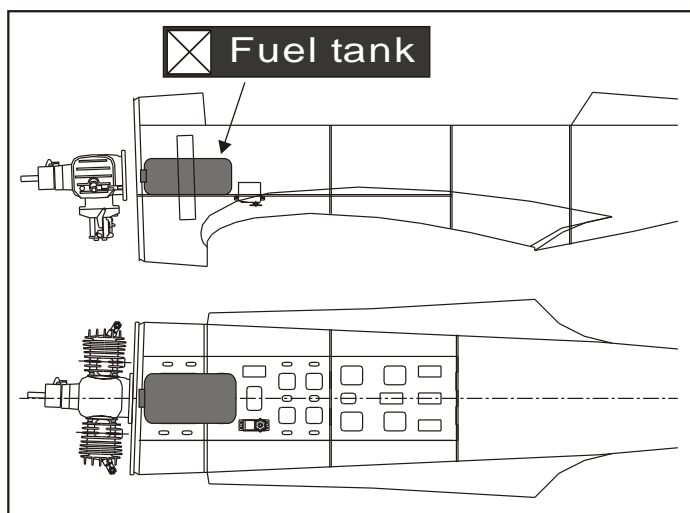
48

Trim the surplus shaded portion away from the canopy



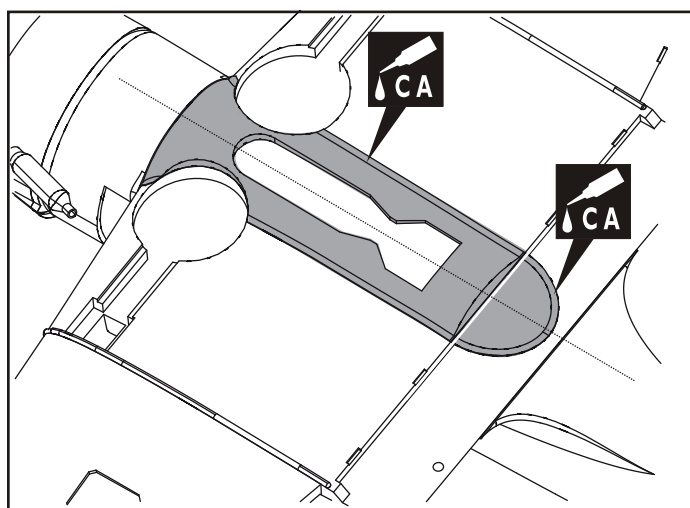
46

Mount the fuel tank to the fuselage



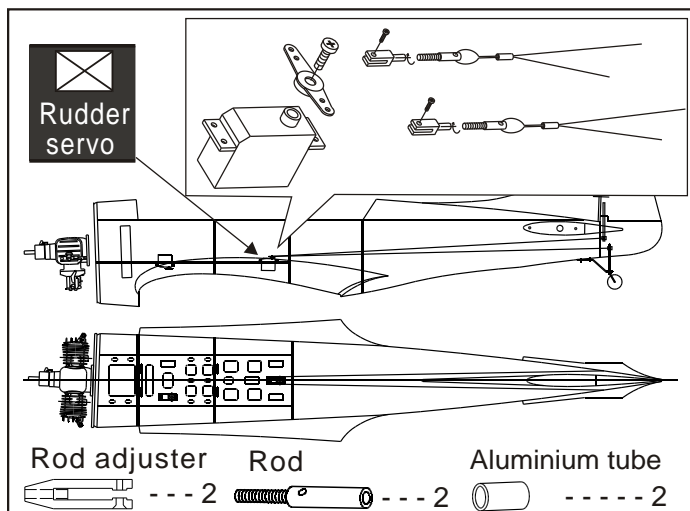
49

Glue the belly pants to appropriate position in the mid wing with CA glue.



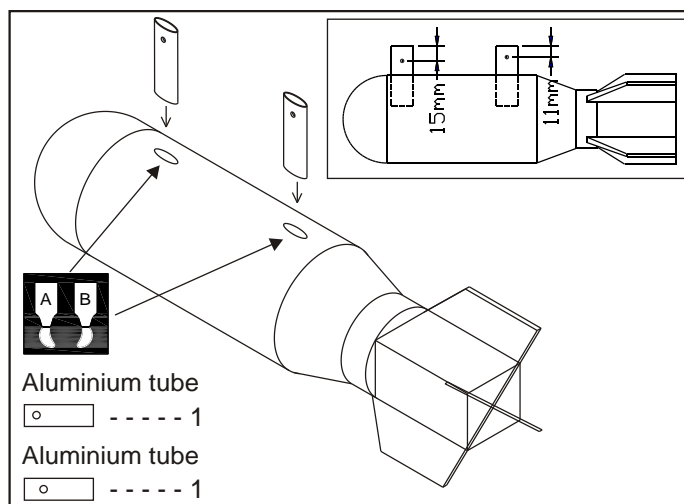
47

Assemble the rudder servo to the fuselage



50

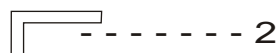
Assembly of the dummy bomb





Accessory list for this page.

Aluminium



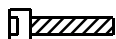
----- 2

3mm Lock nut



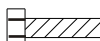
----- 2

3X30mm Screw



----- 4

M3X15mm screw



----- 5

3X18mm Screw



----- 2

4X25mm screw



----- 2

2.3x10mm TP screw



----- 8

3mm Washer



----- 6

53

Assemble the cowling to fuselage with screw



M3X15mm screw



----- 5

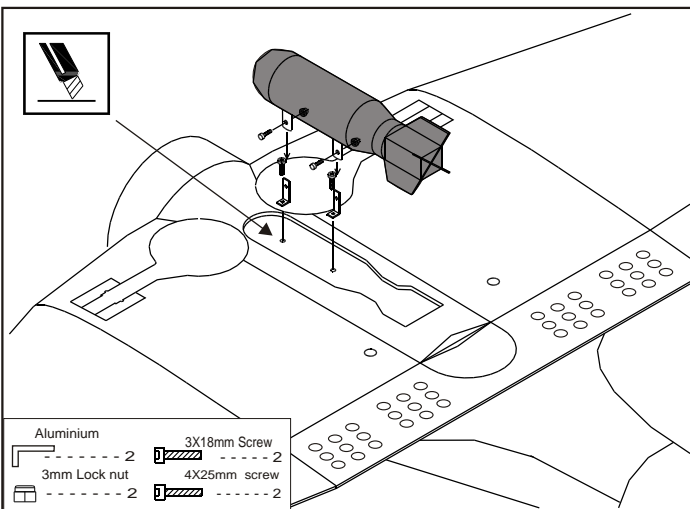
3mm Washer



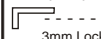
----- 6

51

Epoxy the dummy bomb



Aluminium



----- 2

3mm Lock nut



----- 2

3X18mm Screw



----- 2

4X25mm screw



----- 2

54

Assemble the antenna to fuselage with A/B glue

antenna



----- 1



52

Assemble the canopy to the fuselage with TP screws

3X30mm Screw

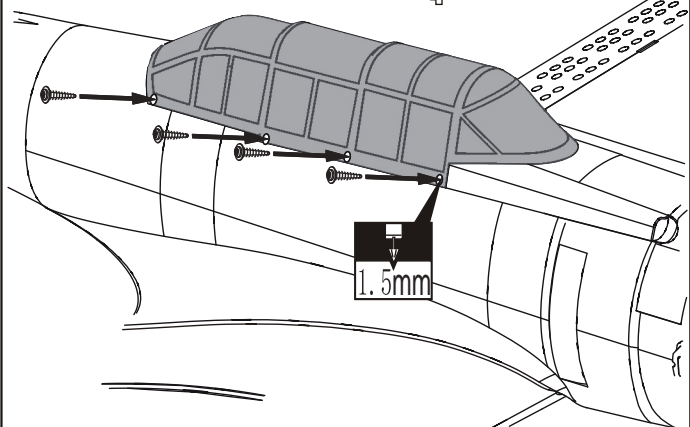


----- 4

2.3x10mm TP screw



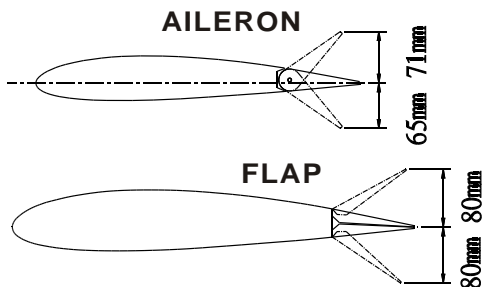
----- 8



55 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

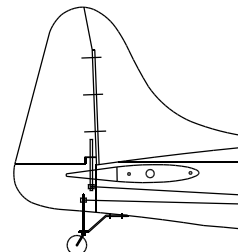
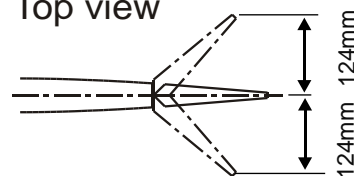


57 Adjustment.

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.

Side view

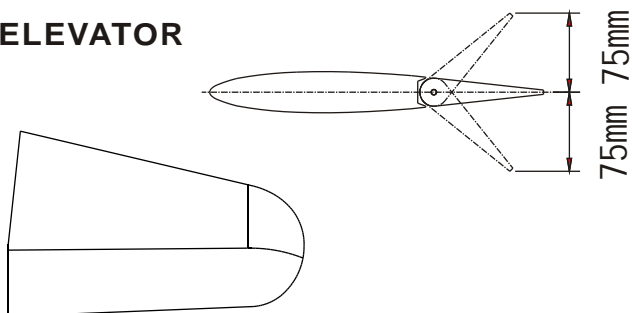
Top view



56 Adjustment.

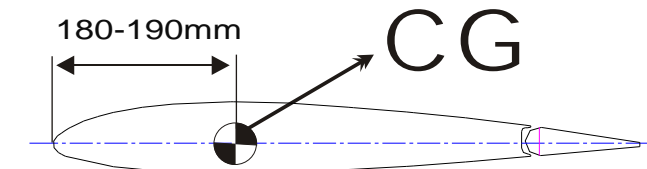
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR



58 Centre of Gravity.

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.

59 Centre of Gravity.

