

Before start ,please carefully read the explanations!

Cessna - 195



Specification:

Length	:2100 mm(83")
Wing Span	:2718 mm(107")
Wing Area	:120sq.dm 12.9sq.ft
Wing Loading	:75g/sq.dm 24.6oz/sq.ft
Flying Weight	:9kg(19.8lbs)
Radio	:6ch & 8servos
Engine:	:40cc-50cc

INSTRUCTION MANUAL



SAFETY PRECAUTIONS

This R/C airplane is not a toy!

(The people under 18 years old is forbidden from flying this model)

First-time builders should seek advice from people having building experience.If misused or abused,it can cause serious bodily injury and damage to property.

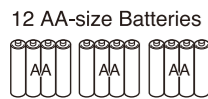
Fly only in open areas and preferably at a dedicated R/C flying site. We suggest having a qualified instructor carefully inspect your airplane before its first flight.Please carefully read and follow all instructions included with this airplane,your radio control system and any other components purchased separately.

REQUIRED FOR OPERATION (Purchase separately!)

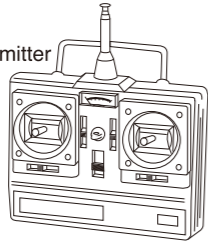
CAUTION: For details concerning the equipment listed below (size, maker, etc.), check with your hobby shop.

1 A minimum 6 channel radio for airplanes (with 8 servos), and dry batteries.

CAUTION: Only use a minimum 6 channel radio for airplanes! (No other radio may be used!)
6 channel radio for airplane is highly recommended for this model.

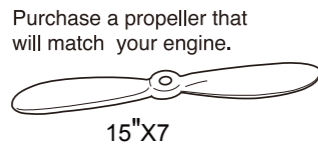
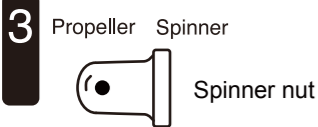
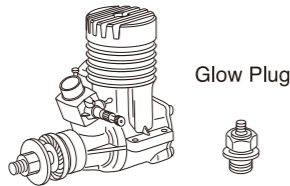


A minimum 6 channel transmitter for airplanes.



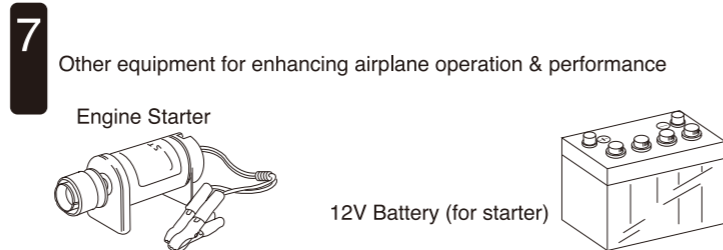
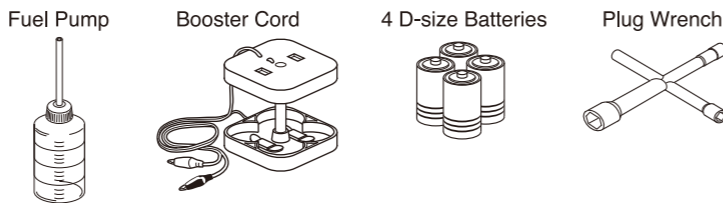
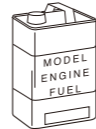
For handling the radio properly, refer to its instruction manual.

2 Engine and Muffler
Model Airplane Engine: 4-cycle .120

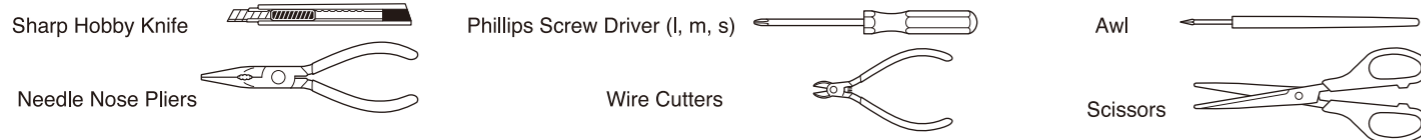


5 Required for engine starting: Glow engine fuel only.

WARNING: Normal gasoline cannot be used with glow engines.



TOOLS REQUIRED (Purchase separately!)



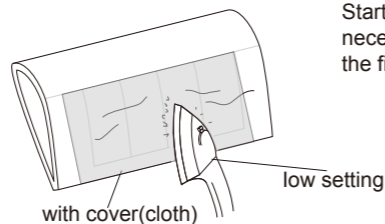
BEFORE YOU BEGIN

- 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 (2mm).	Cut off excess.	Pay close attention here!	Assemble left and right sides the same way.
Apply instant glue (CA glue, super glue).	Cut off shade portion.	Ensure smooth non-binding movement while assembling.	Warning!	Must be purchased separately!

Warning
Remove the covering with proper pressure to cut through only the covering itself. Otherwise, cutting down into the balsa structure may weaken the model part and cause accident.

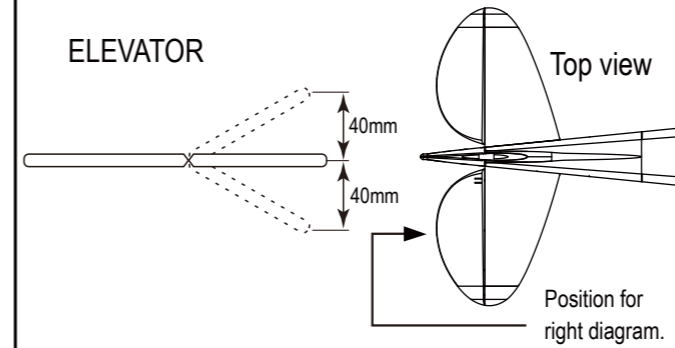
The pre-covered film on ARF kits may wrinkle due to variations of temperature. Smooth out as explained right.



► Pre-cover the covering with clean cloth! Start at low setting. Increase the setting if necessary. If it is too high, you may damage the film.

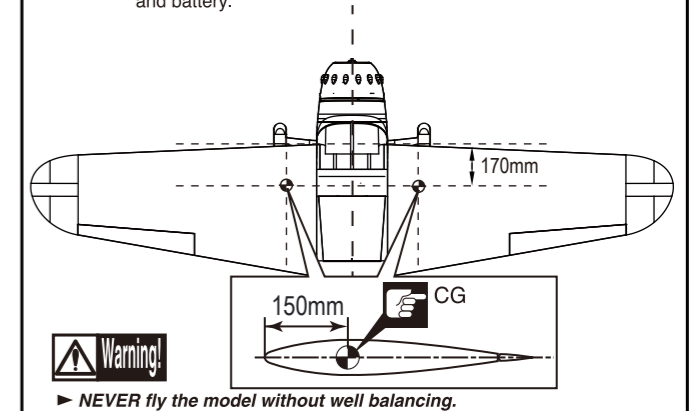
65 Adjustment of the elevator, be sure it can work perfectly.

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

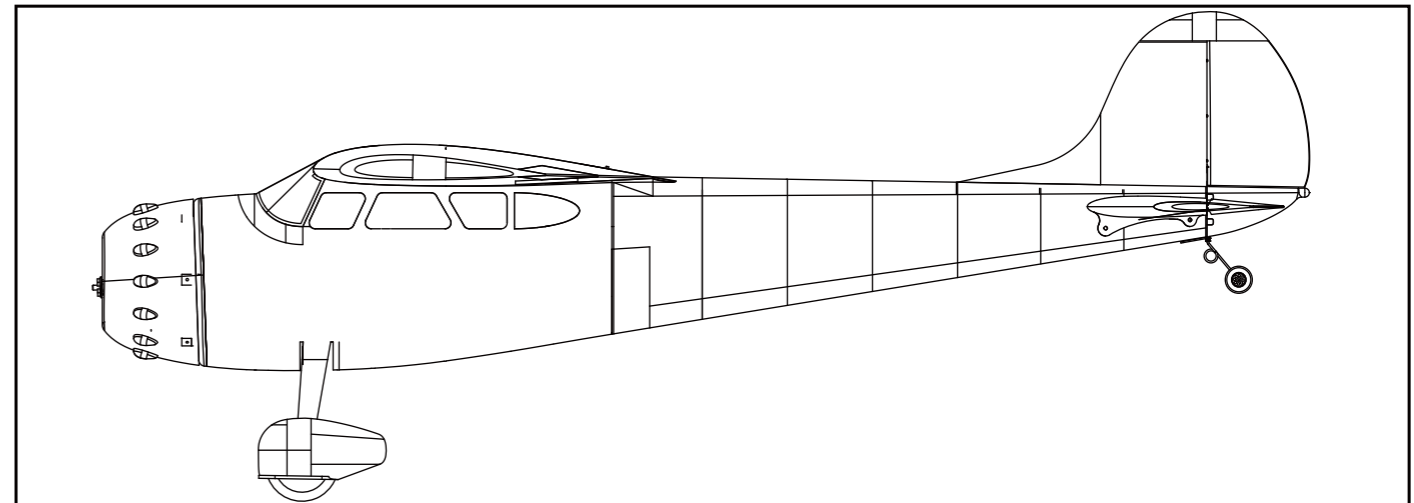


66 Centre of the Gravity.

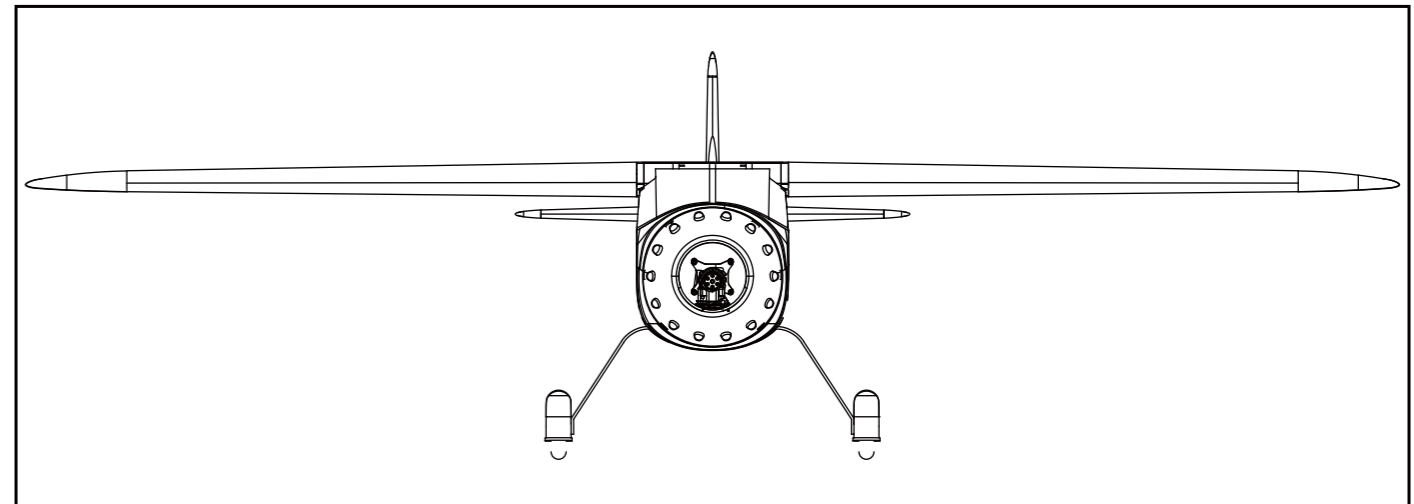
Never fly before checking the CG's required position. In order to obtain the CG specified, reposition the receiver and battery.



67 The side view when the model install completion.



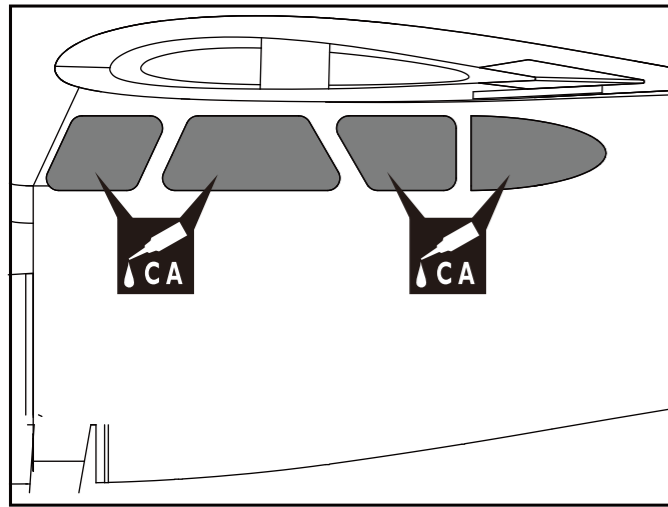
68 The front view when the model install completion.



Apply epoxy glue.	Assemble left and right sides the same way.	Pay close attention here!	Do not overlook this symbol!
Apply instant glue (CA glue, super glue).	Ensure smooth non-binding movement while assembling.	Cut off shaded portion.	

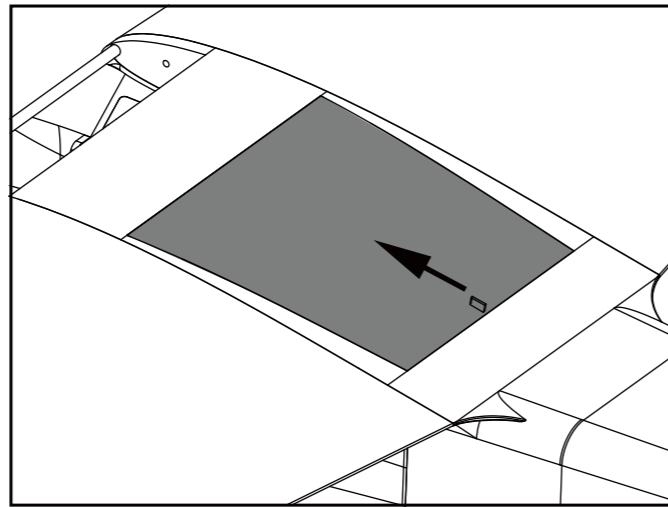
59

Glue the window PVC parts to the window.



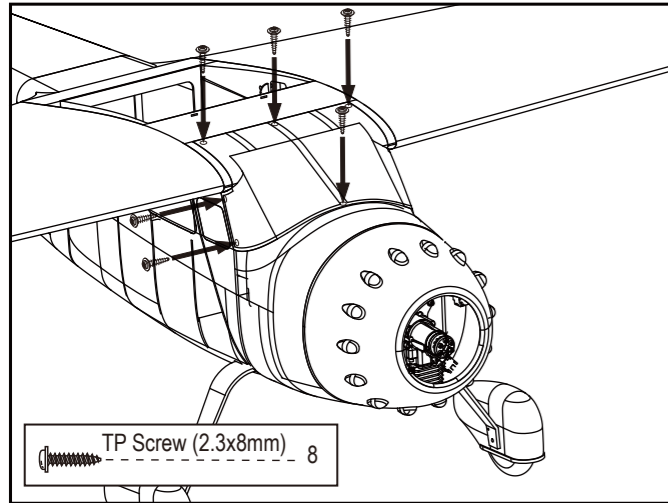
62

Assemble the top hatch to the fuselage.



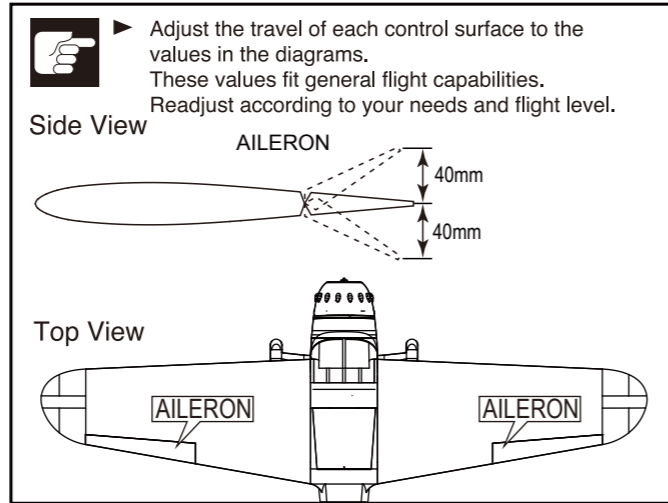
60

Assemble the windshield to the fuselage with screws.



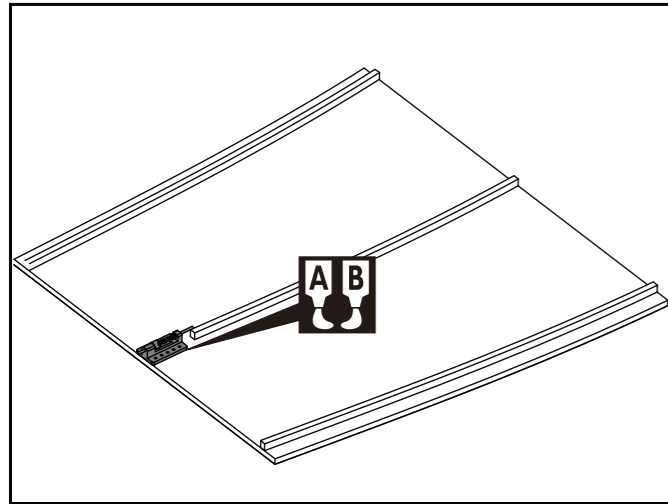
63

Adjustment of the aileron and flap, be sure they can work perfectly.



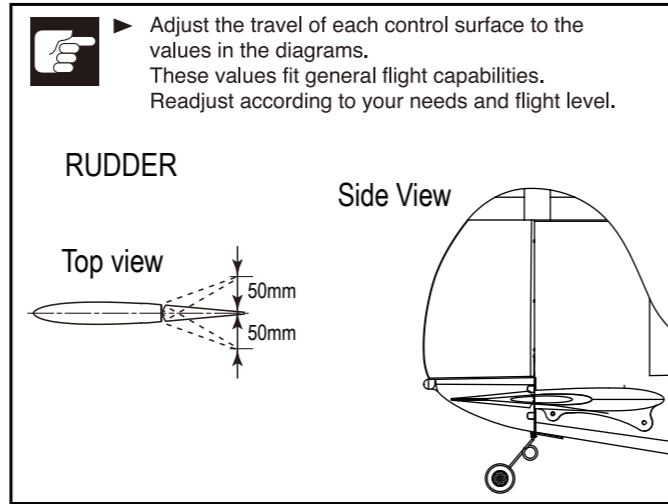
61

Epoxy the hatch lock to the top hatch.



64

Adjustment of the rudder, be sure it can work perfectly.

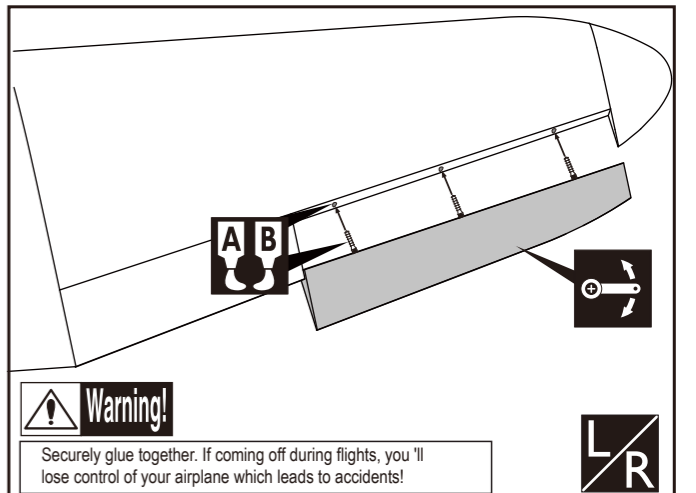


Accessory list for the coming installation steps.

	Rod (2.5x300mm)	2
	TP Screw (2.3x12mm)	8
	Servo tray(70x58x2mm)	2
	Pivot&round hinge(4.5X67mm)	6
	Collar (2.5mm)	2
	Screw (3x15mm)	2
	Nut (3mm)	2
	Clevis	2
	Control horn	4

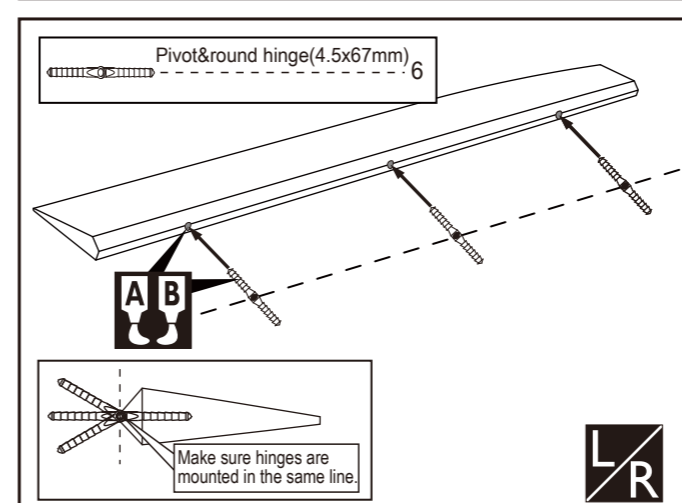
3

Apply instant type AB glue to appropriate position in the trailing edge and assemble the ailerons to them.



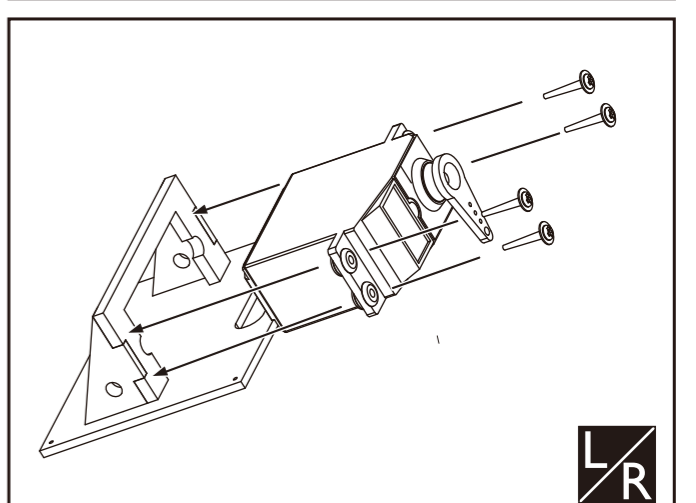
1

Apply instant type AB glue to appropriate position of the aileron and pivot & round hinges. Insert the pivot & round hinges to the ailerons.



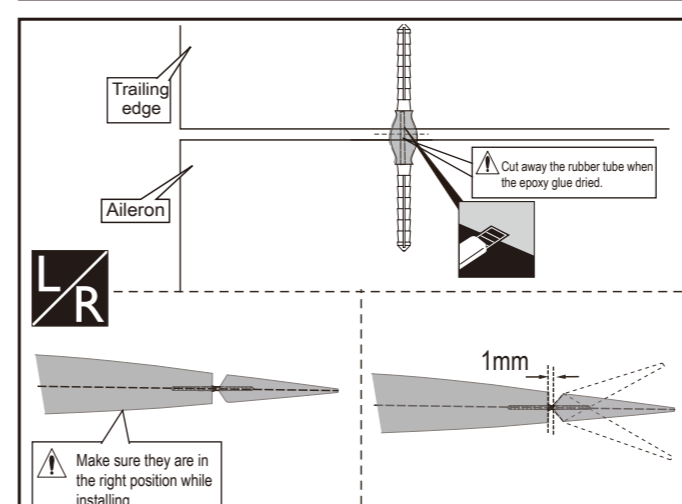
4

Install the aileron servo to the servo mount as illustration below.



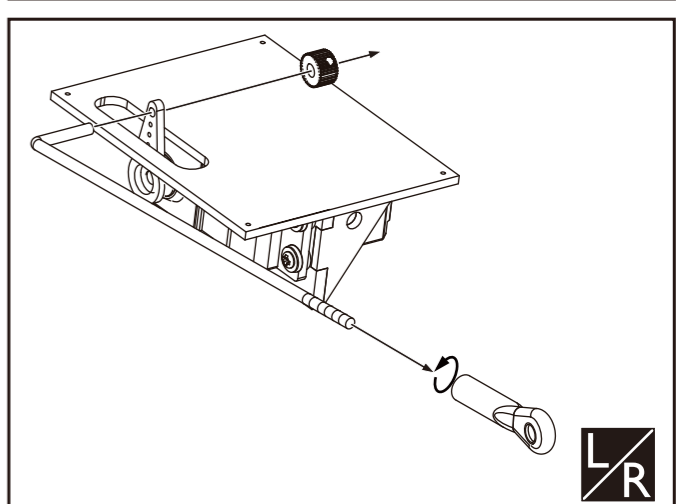
2

Keep about 1mm width space between the aileron and the trailing edge.



5

Install the nylon control horn and connect the linkage.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!

Do not overlook this symbol!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.



Warning!



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!

Do not overlook this symbol!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.

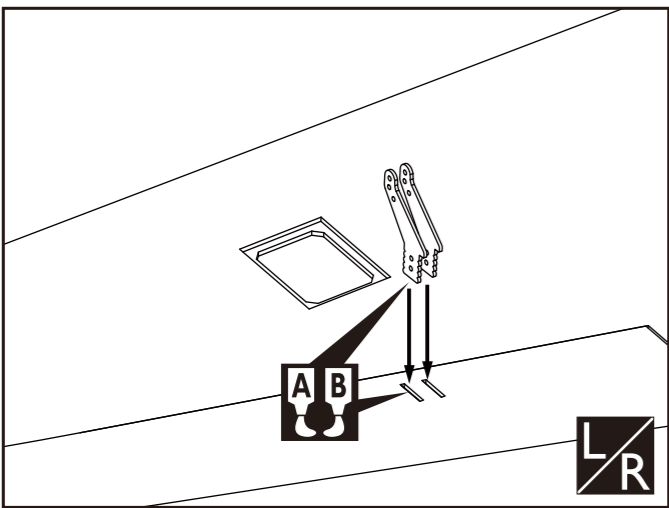


Cut off shaded portion.

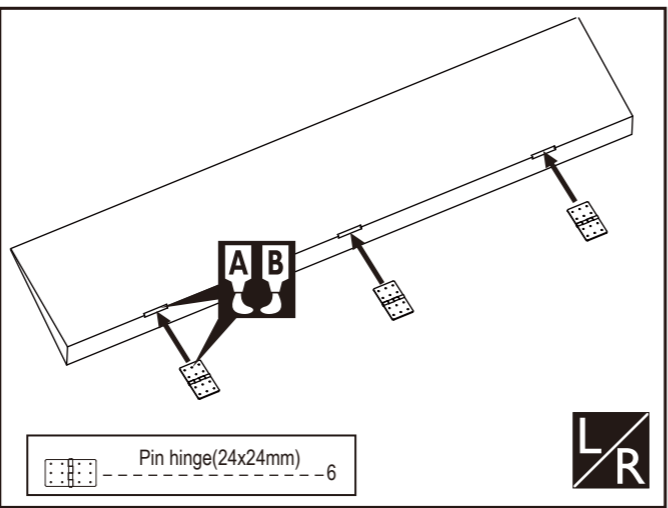


Warning!

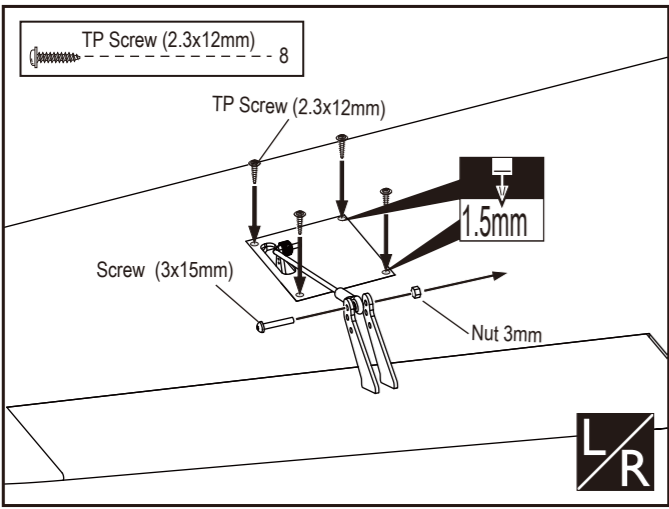
6 Apply instant type AB glue to the control horn and the slots in the aileron, insert the control horn to the slots as illustration.



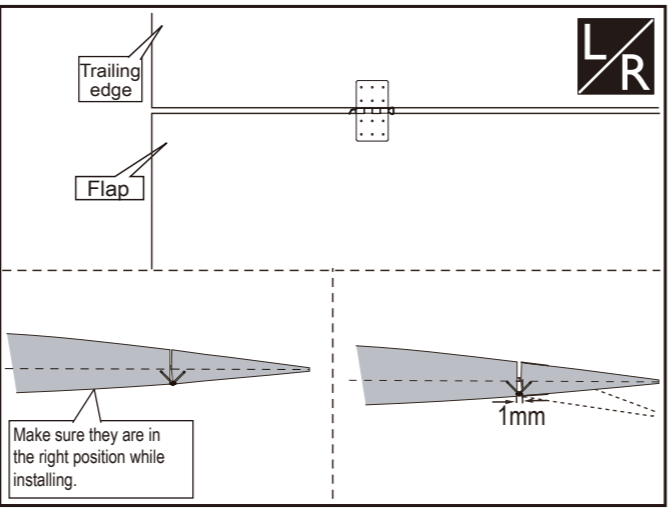
8 Epoxy the pinned hinges to the flap.



7 Lock the linkage to the control horn with screws and nuts as below.



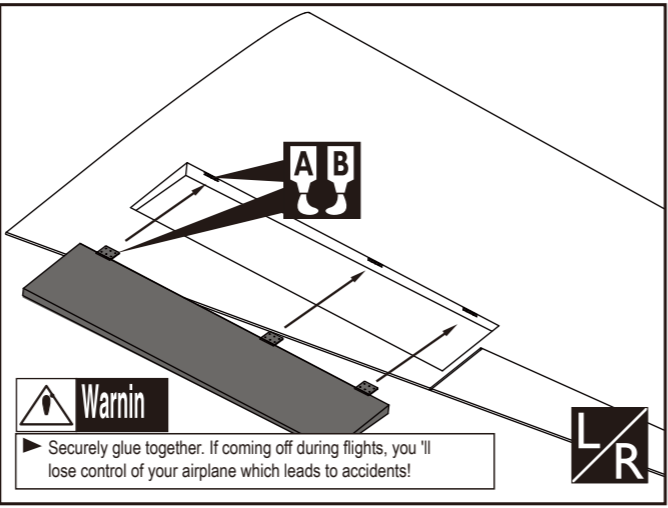
9 Keep some space about 1mm width between trailing edge and flap.



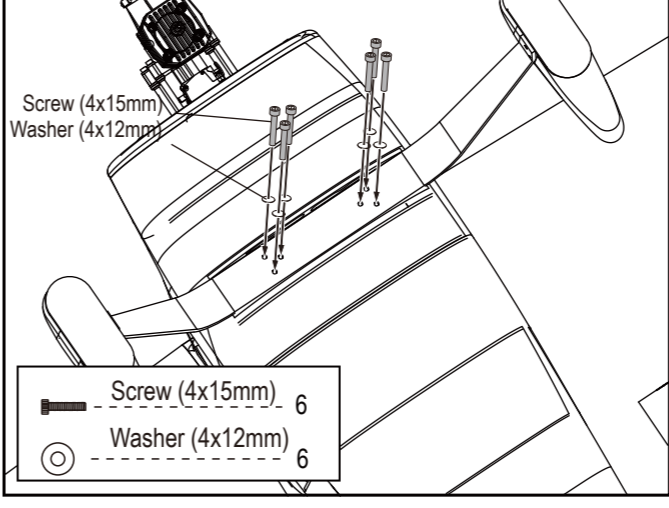
Warning! Accessory list for the coming installation steps.

- Rod (2.5x300mm) ----- 2
- TP Screw (2.3x12mm) ----- 8
- Servo tray(70x58x2mm) ----- 2
- Pin hinge(24x24mm) ----- 6
- Collar (2.5mm) ----- 2
- Screw (3x15mm) ----- 2
- Nut (3mm) ----- 2
- Clevis ----- 2
- Control horn ----- 4

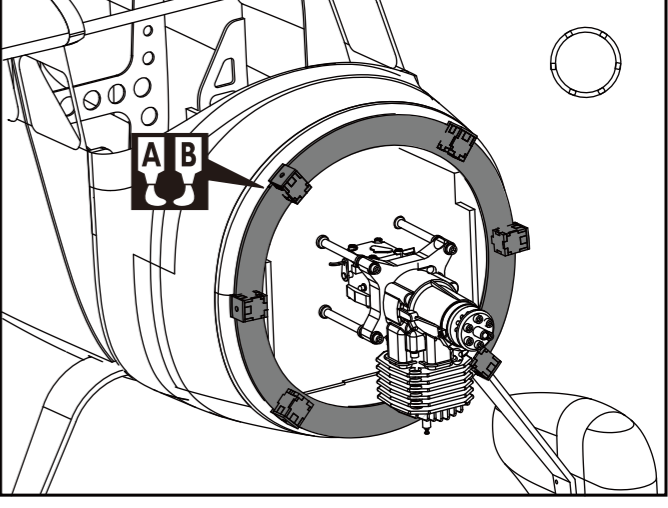
10 Epoxy the flaps to the wings as illustration.



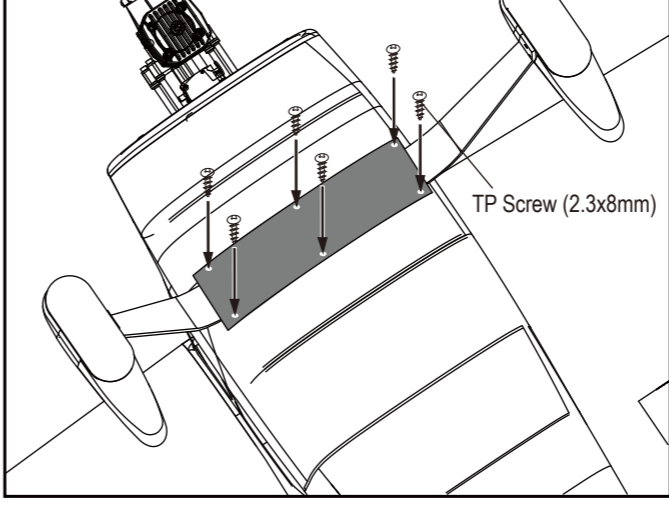
54 Assemble the undercarriage to the fuselage with screws.



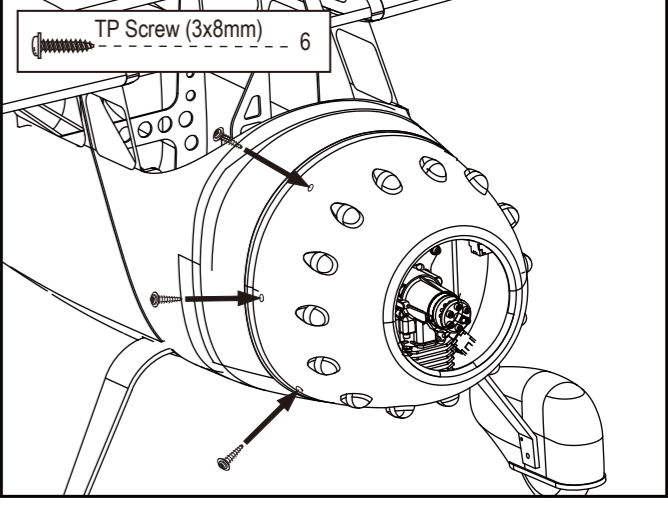
56 Epoxy the ring frame for cowling to appropriate position of the head of fuselage.



55 Assemble the landing gears cover to the fuselage with TP screws.



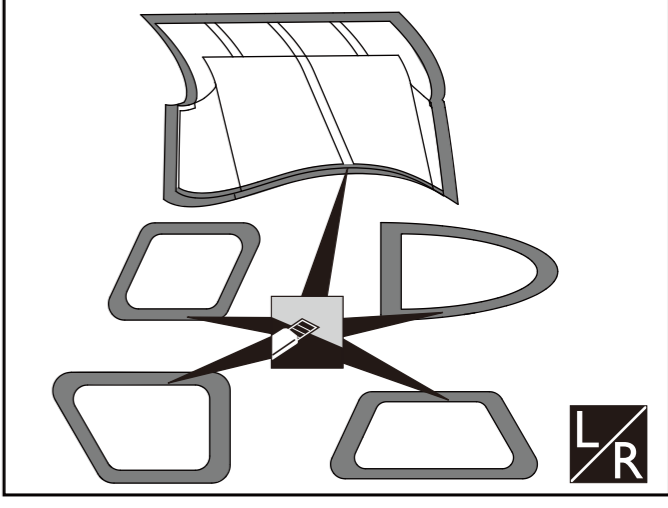
57 Assemble the cowling to the fuselage with TP screws.



Warning! Accessory list for the coming installation steps.

- Pvc ----- 2
- Pvc ----- 2
- Pvc ----- 2
- Pvc ----- 2
- Pvc ----- 2
- TP Screw (2.3x8mm) ----- 8
- TP Screw (3x8mm) ----- 6
- Thimble ----- 1

58 Trim the PVC parts along the shaded line.



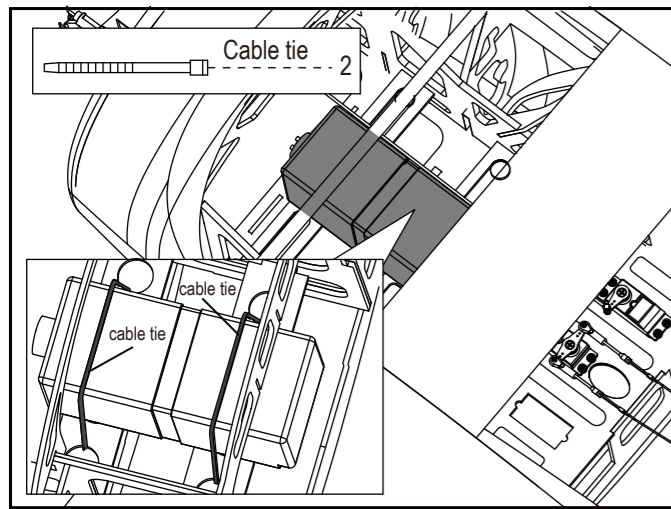
A B Apply epoxy glue. **L/R** Assemble left and right sides the same way. **Hand icon** Pay close attention here! **Warning!** Do not overlook this symbol!

CA Apply instant glue (CA glue, super glue). **Arrow icon** Ensure smooth non-binding movement while assembling. **Scissors icon** Cut off shaded portion.

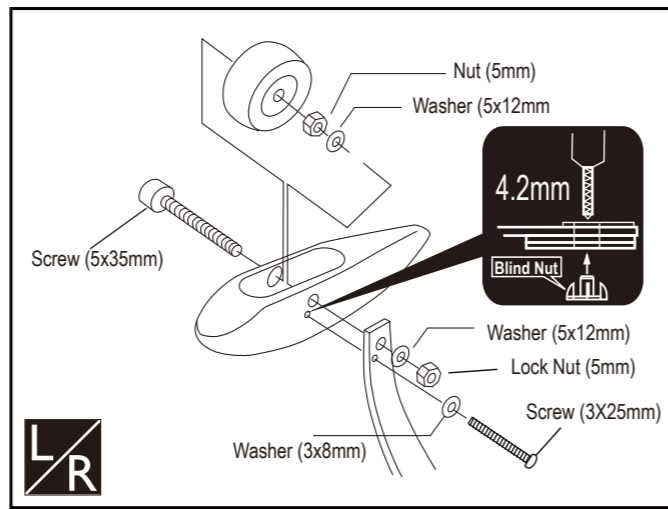
A B Apply epoxy glue. **L/R** Assemble left and right sides the same way. **Hand icon** Pay close attention here! **Warning!** Do not overlook this symbol!

CA Apply instant glue (CA glue, super glue). **Arrow icon** Ensure smooth non-binding movement while assembling. **Scissors icon** Cut off shaded portion.

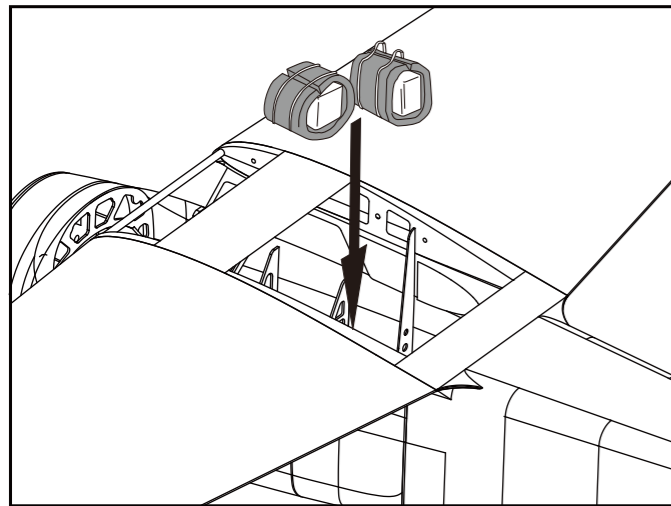
49 Fix the fuel tank to appropriate position in the fuselage with cable tie.



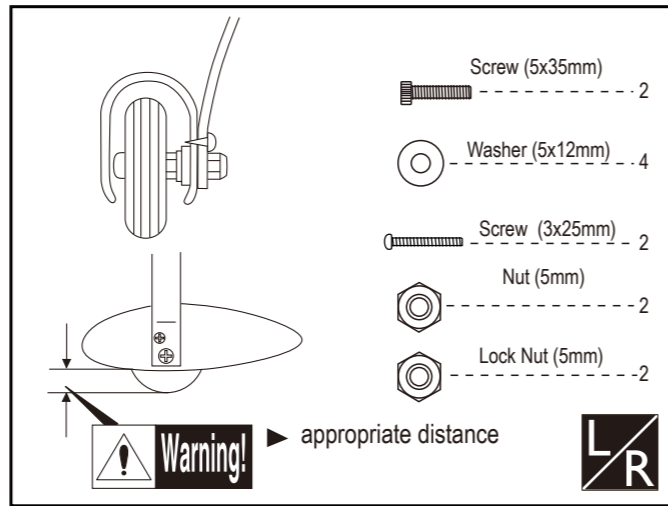
51 Install the wheels to the undercarriage.



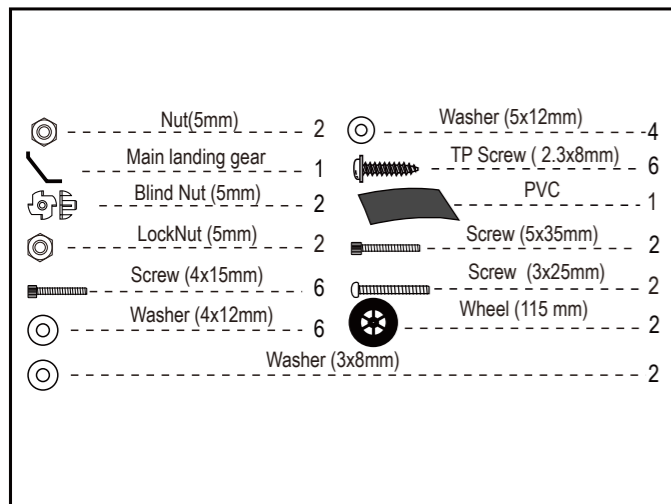
50 Mount the receiver and the battery to appropriate position in the fuselage.



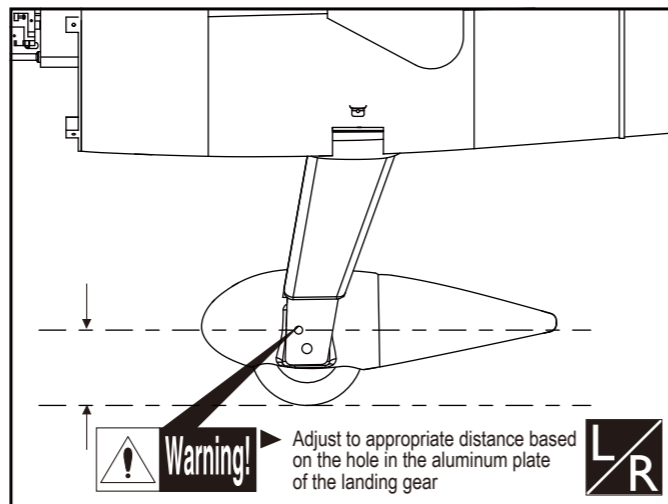
52 The sketch map when the wheels and wheel pants install completely.



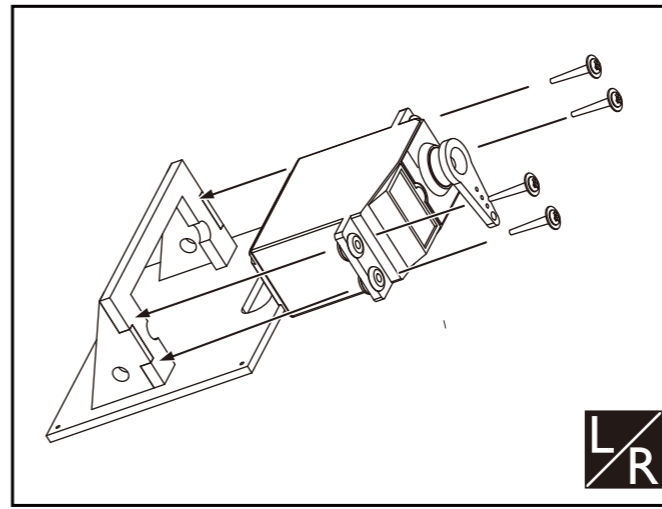
Warning! Accessory list for the coming installation steps.



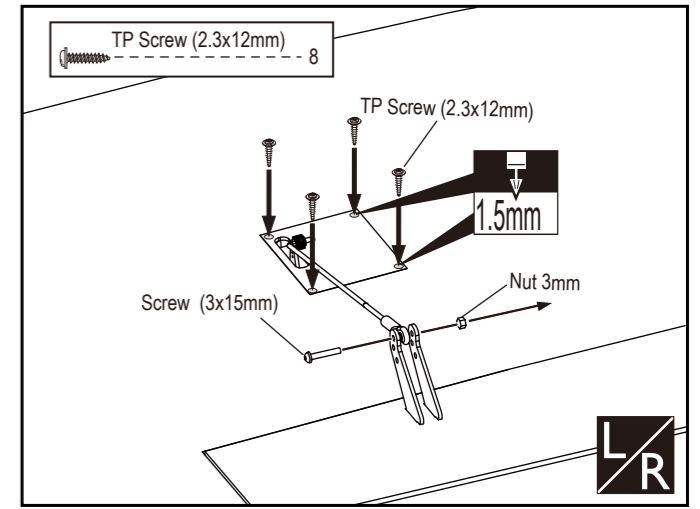
53 Drill holes to appropriate position in the wheel pants, fixing the wheel pants to the undercarriage with screws.



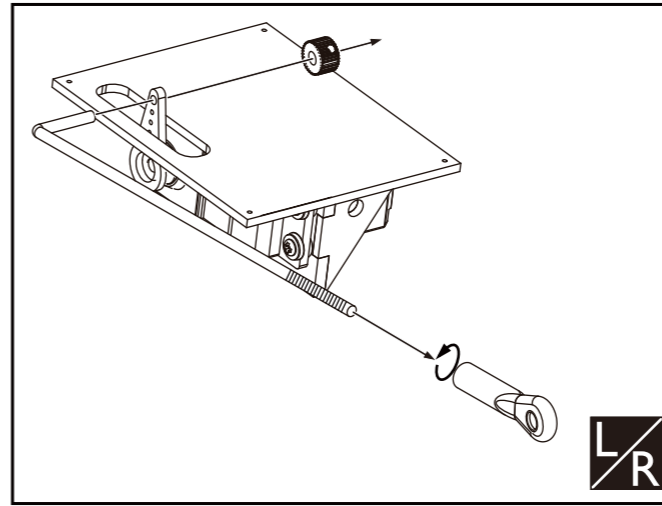
11 Install the flap servo to the servo mount as illustration below.



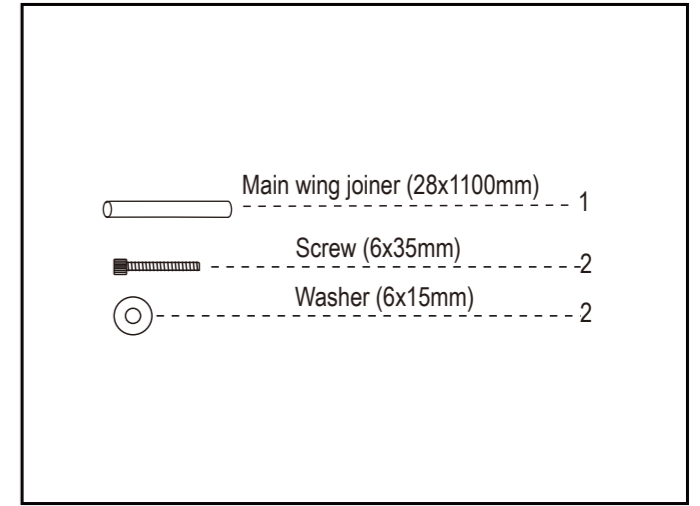
14 Lock the linkage to the control horn with screw and nut as below.



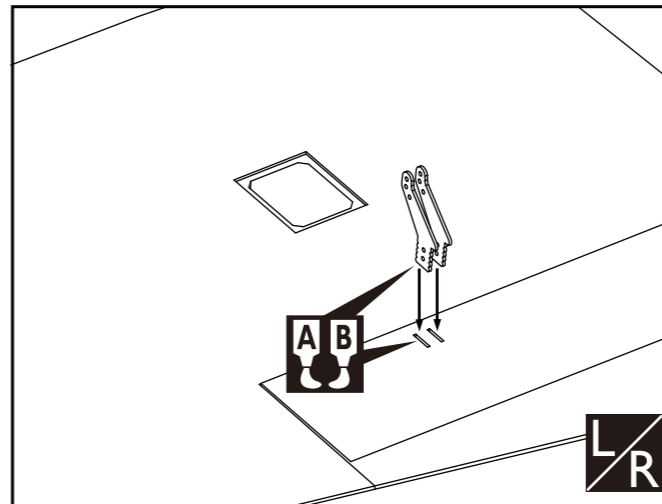
12 Install the nylon control horn and connect the linkage.



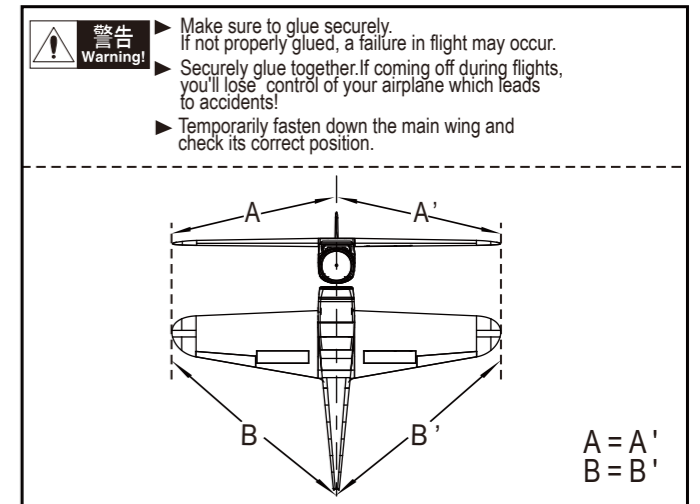
Warning! Accessory list for the coming installation steps.



13 Apply instant type AB glue to the control horn and the slots in the flap, insert the control horn to the slots as illustration.



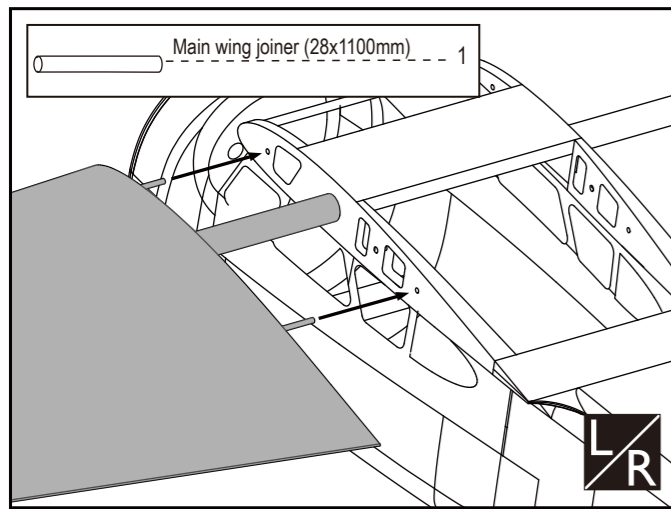
15 The standard sketch map when the kit install completion.



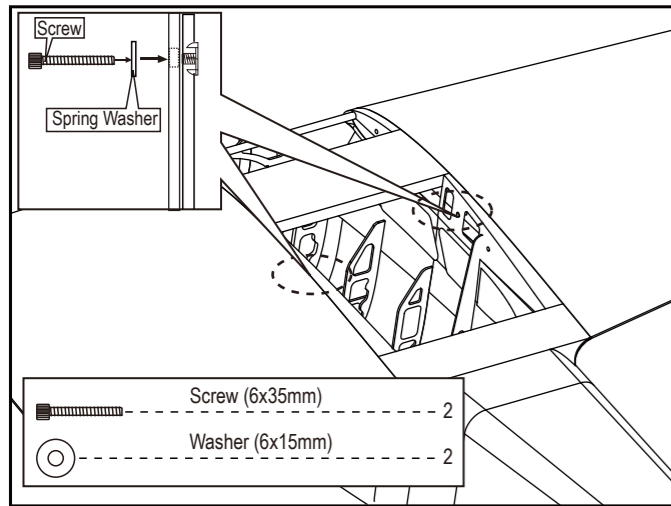
Apply epoxy glue.	Assemble left and right sides the same way.	Pay close attention here!	Do not overlook this symbol!
Apply instant glue (CA glue, super glue).	Ensure smooth non-binding movement while assembling.	Cut off shaded portion.	

Apply epoxy glue.	Assemble left and right sides the same way.	Pay close attention here!	Do not overlook this symbol!
Apply instant glue (CA glue, super glue).	Ensure smooth non-binding movement while assembling.	Cut off shaded portion.	

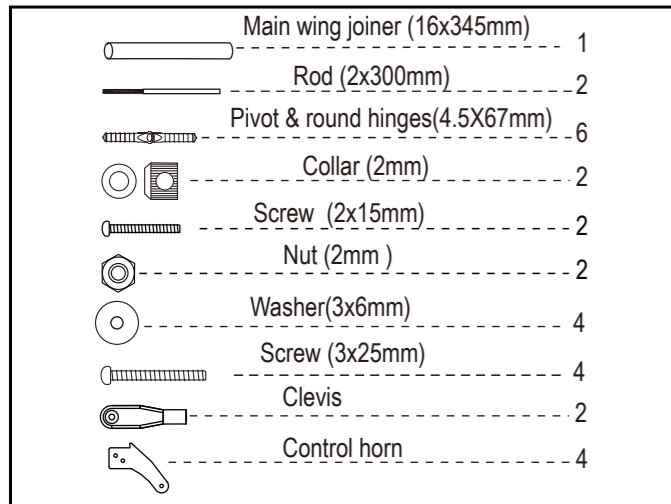
16 Assemble the wings to the fuselage through the main wing joiner carefully.



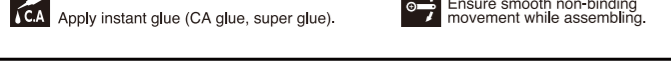
17 Fix the wings to the fuselage tightly via screws from the doors.



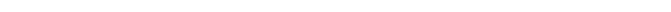
18 Glue the pivot & round hinges to the holes in the elevators.



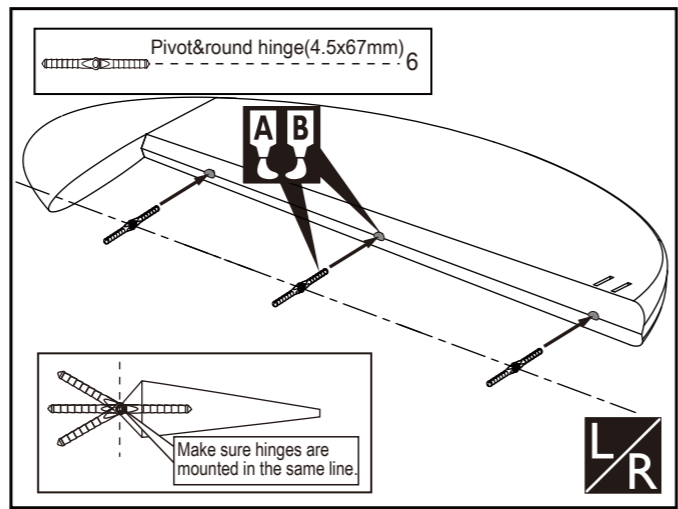
19 Keep about 1mm width space between the elevators and the stabilizers.



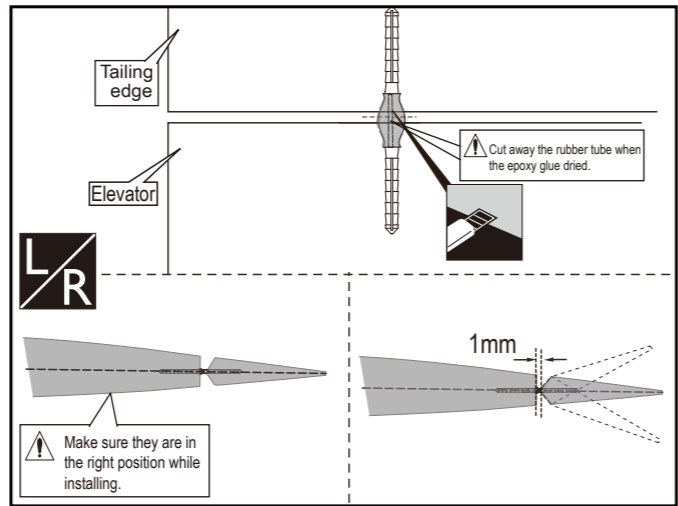
20 Assemble the elevators to the stabilizers via pivot & round hinges.



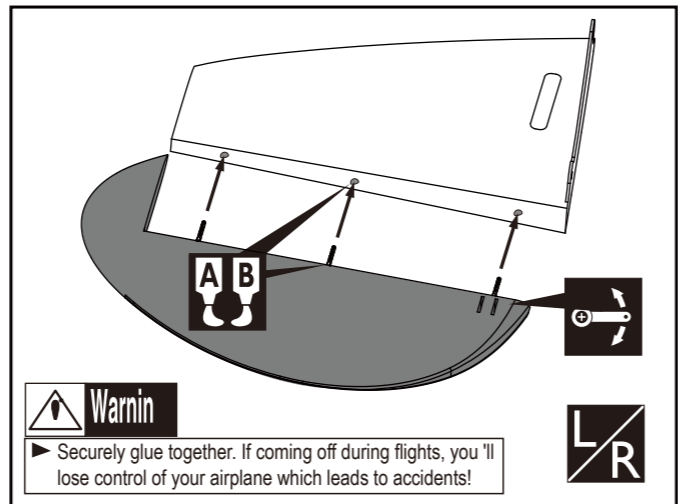
43 Assemble the engine to the fuselage via the engine mount tubes and screws.



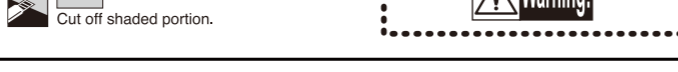
44 Assemble the throttle linkage.



45 The sketch map when the engine install completion.



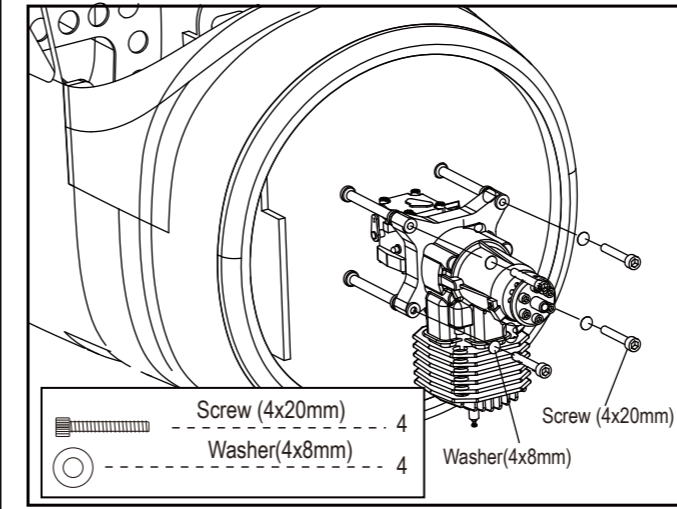
46 Install the servo of the throttle.



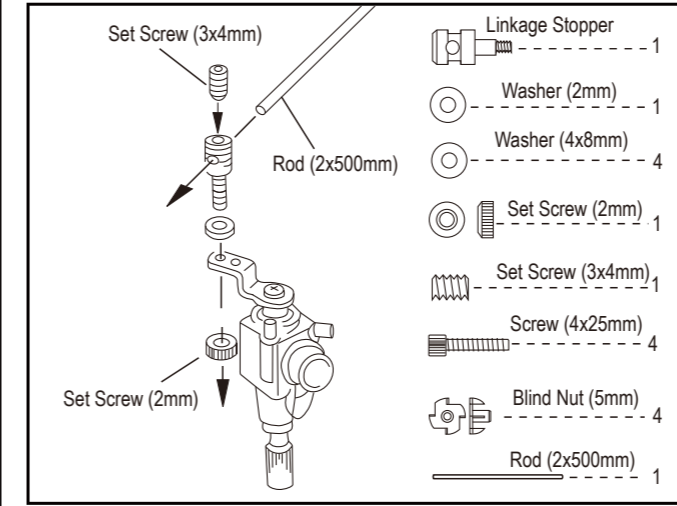
47 Trim a small slot in appropriate position for throttle using.



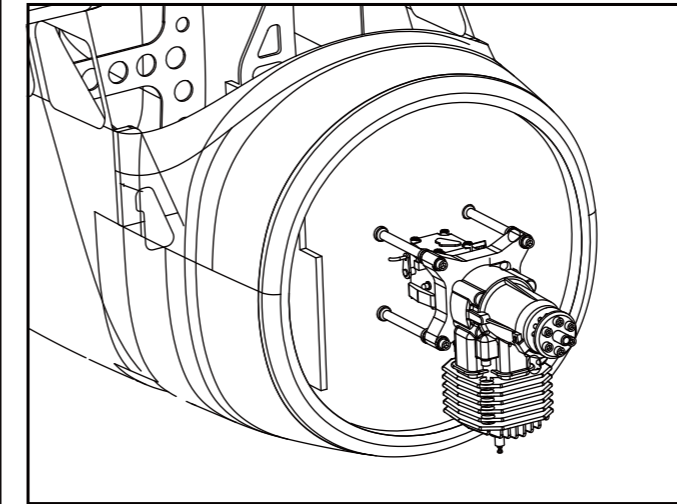
48 Assembly of the fuel tank.



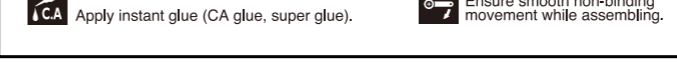
49 Accessory list for the coming installation steps.



50 Apply epoxy glue.



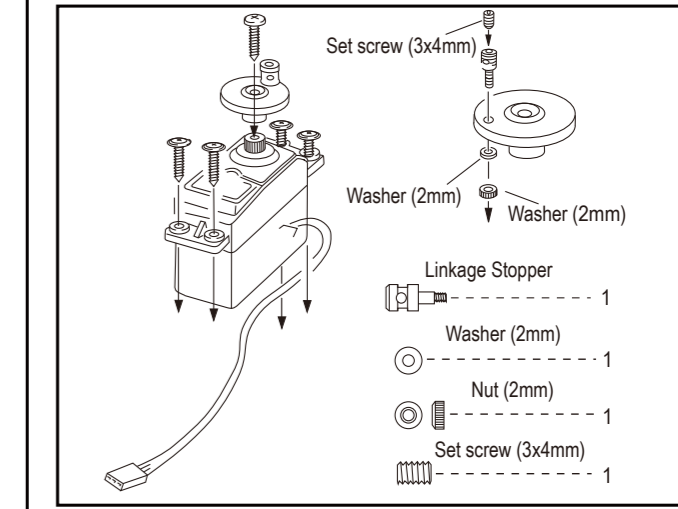
51 Assemble left and right sides the same way.



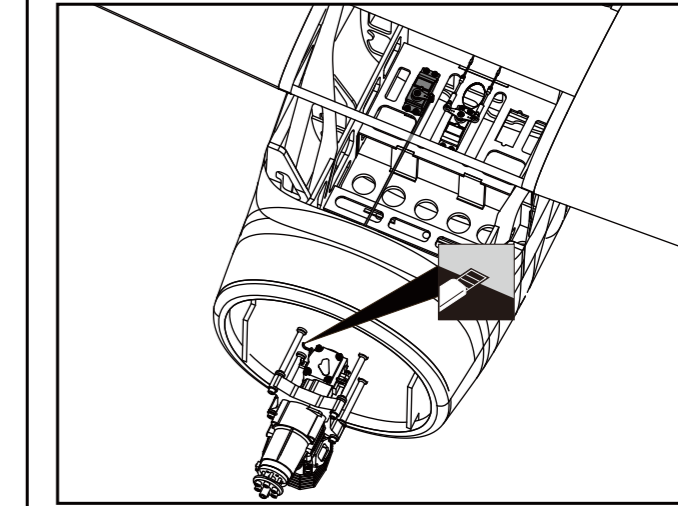
52 Pay close attention here!



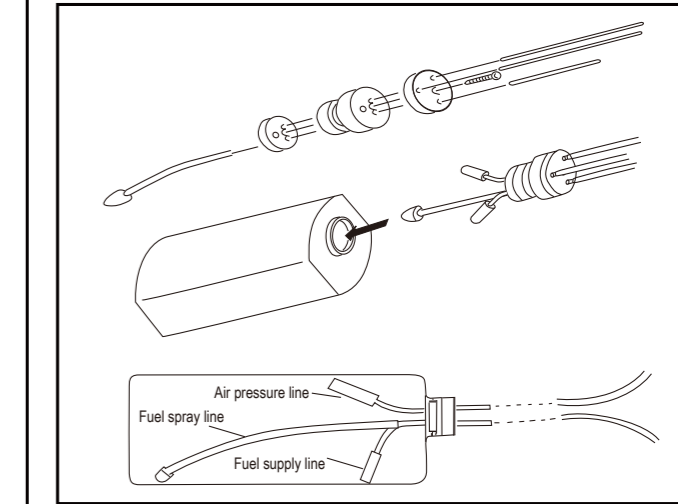
53 Apply instant glue (CA glue, super glue).



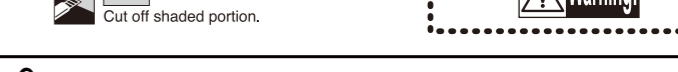
54 Ensure smooth non-binding movement while assembling.



55 Do not overlook this symbol!



56 Apply epoxy glue.



57 Assemble left and right sides the same way.



58 Pay close attention here!

59 Do not overlook this symbol!

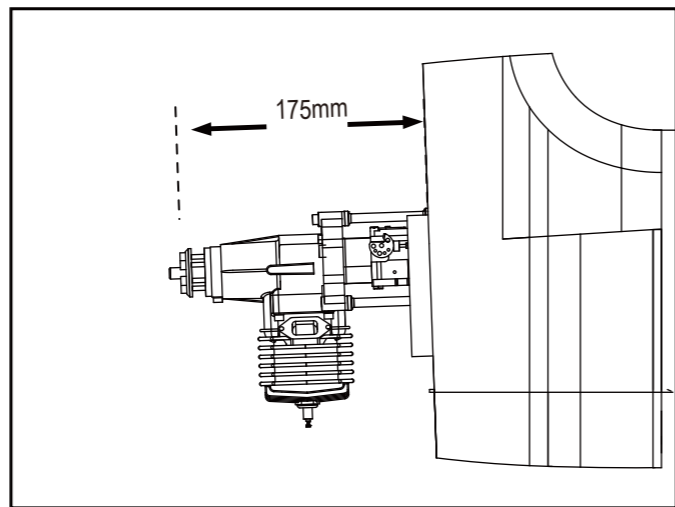
38 The standard sketch map when the rudder install completion.

警告 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.

A = A'
B = B'

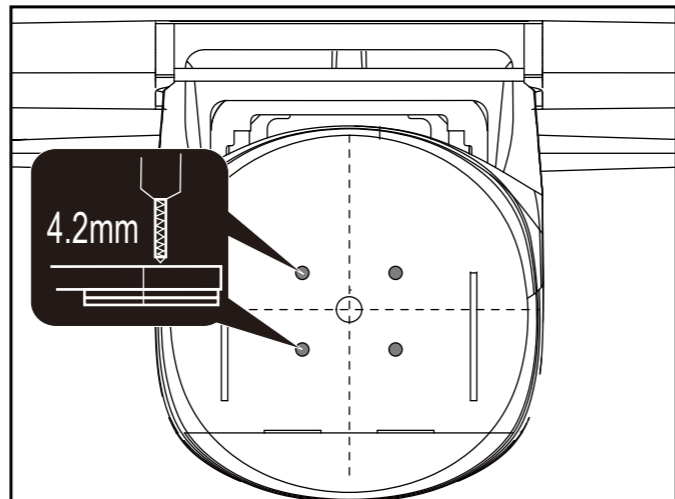
40 The side view once the engine install completion.



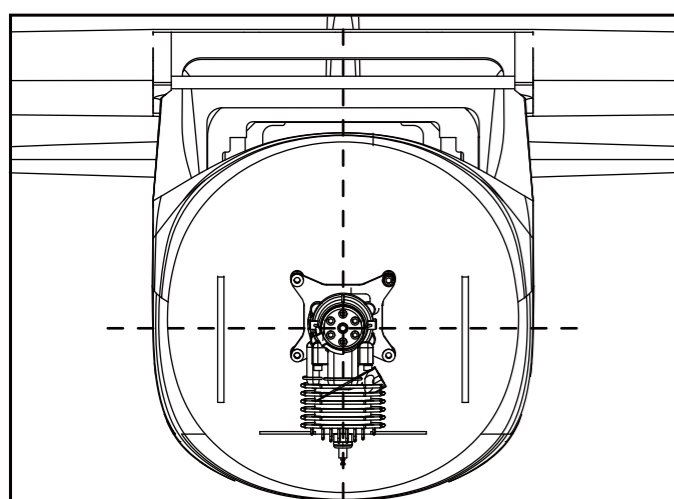
Accessory list for the coming installation steps.

- Screw (4x45mm) ----- 4
- Screw (4x20mm) ----- 4
- Washer(4x8mm) ----- 12
- Linkage Stopper ----- 2
- Plastic tube (2x400mm) ----- 1
- Engine mount (60x5mm) ----- 4
- Fuel tank (550cc) ----- 1
- Cable tie ----- 2
- Blind Nut (5mm) ----- 4
- Rod (2x500mm) ----- 1

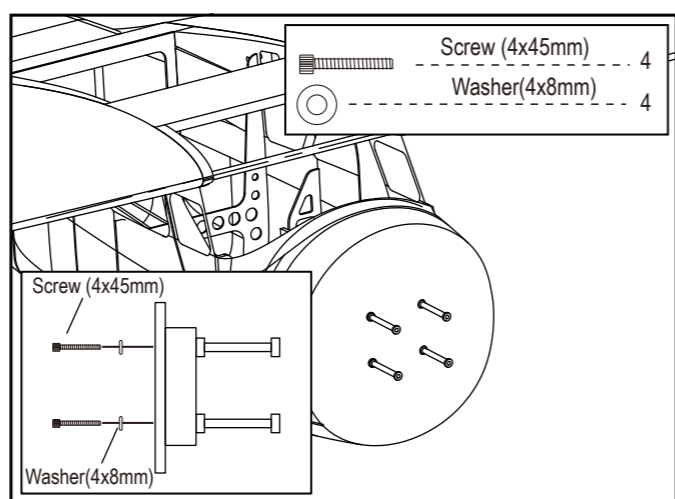
41 Drill four holes at the diameters as shown for engine mount.



39 The front view once the engine install completion.



42 Install the engine mount tubes to the fuselage, lock them from inside of the fuselage.

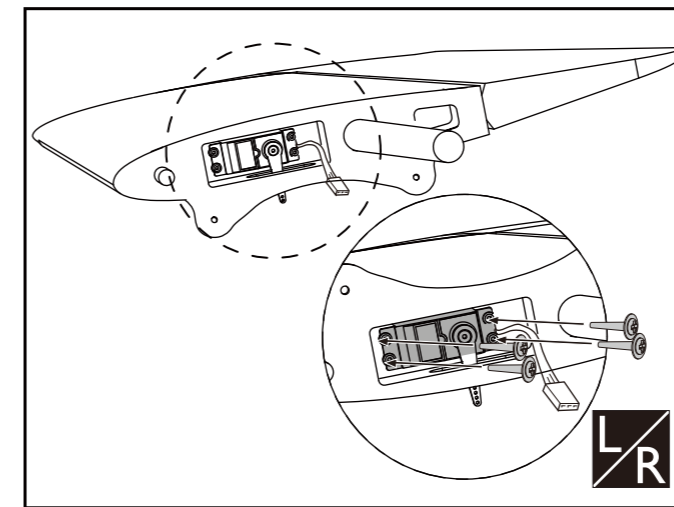


Apply epoxy glue. Assemble left and right sides the same way. Pay close attention here!

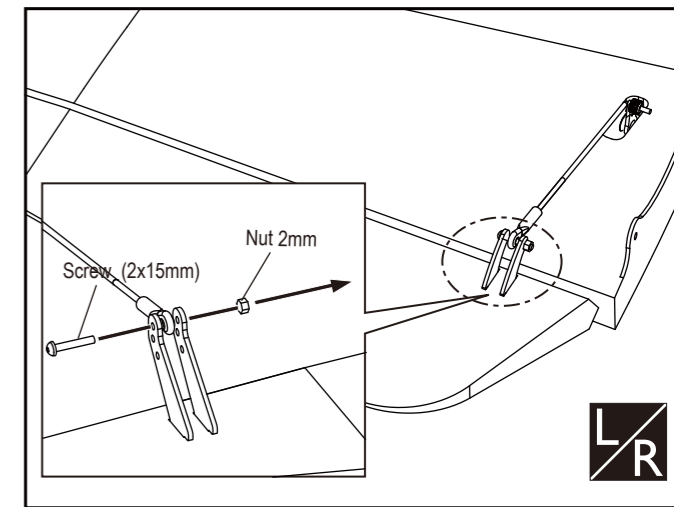
Apply instant glue (CA glue, super glue). Ensure smooth non-binding movement while assembling. Cut off shaded portion.

Do not overlook this symbol!
 Warning!

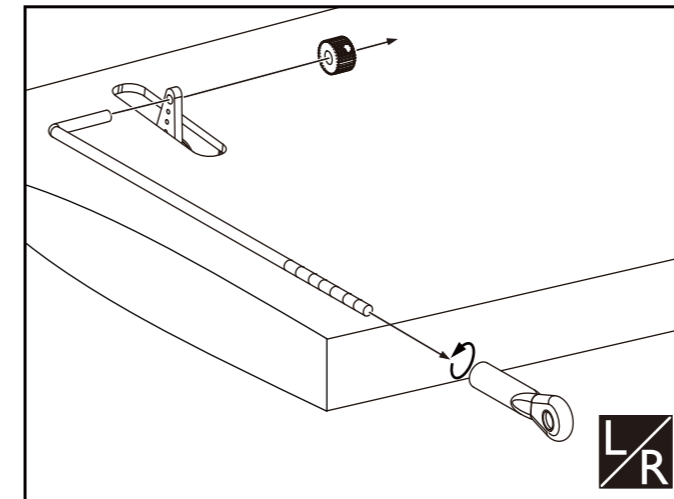
21 Assemble the servos to appropriate position in the stabilizers.



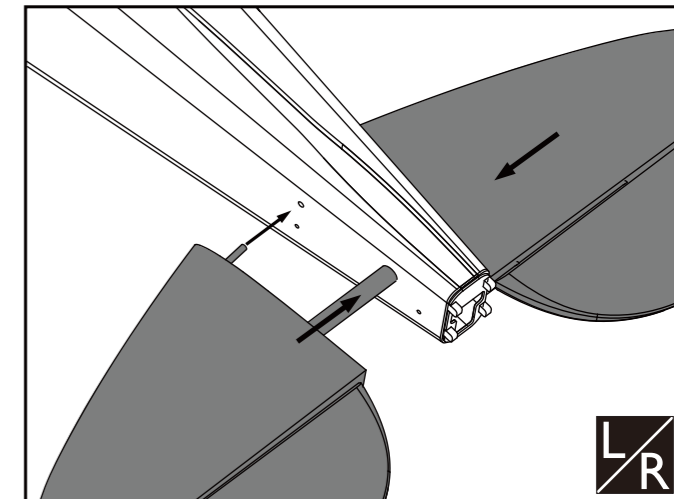
24 Lock the linkage to the control horn with screws and nuts as below.



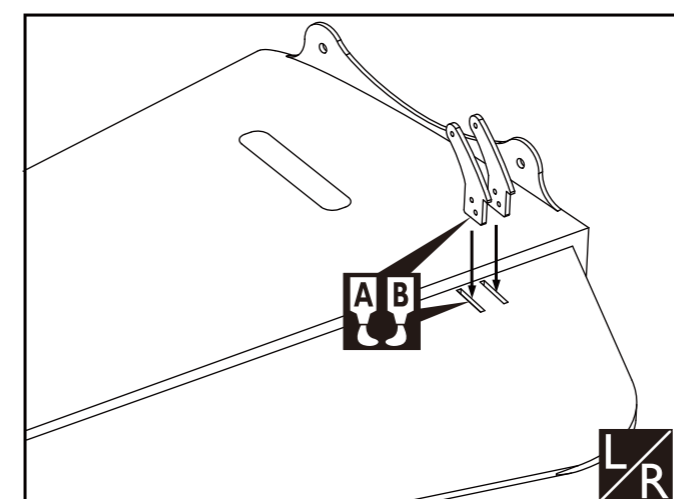
22 Install the nylon control horn and connect the linkage.



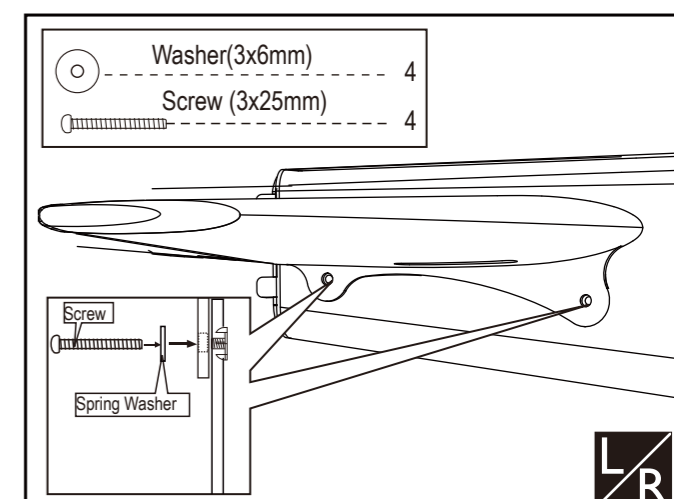
25 Assemble the stabilizers to the tail fuselage through the tail tube.



23 Apply instant type AB glue to the control horn and the slots in the elevator, insert the control horn to the slots as illustration.



26 Fix the stabilizers to the tail fuselage via screws.



Apply epoxy glue. Assemble left and right sides the same way. Pay close attention here!

Apply instant glue (CA glue, super glue). Ensure smooth non-binding movement while assembling. Cut off shaded portion.

Do not overlook this symbol!
 Warning!

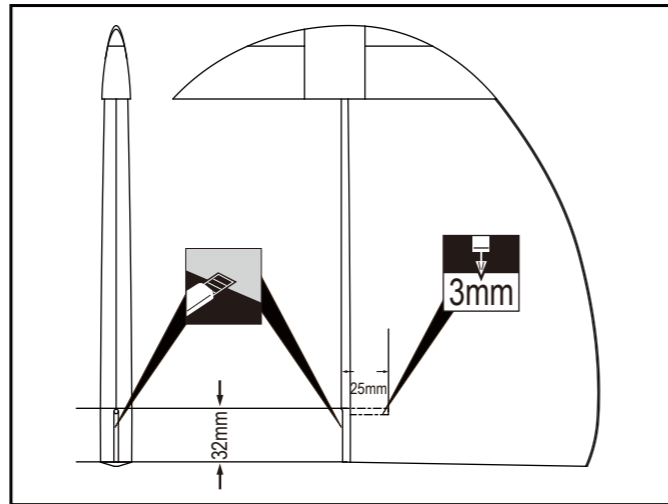


Accessory list for the coming installation steps.

- | | | | |
|--|---|--|---|
| | 2 | | 1 |
| | 2 | | 2 |
| | 7 | | 2 |
| | 2 | | 2 |
| | 3 | | 1 |
| | 2 | | |
| | 3 | | |
| | 1 | | |

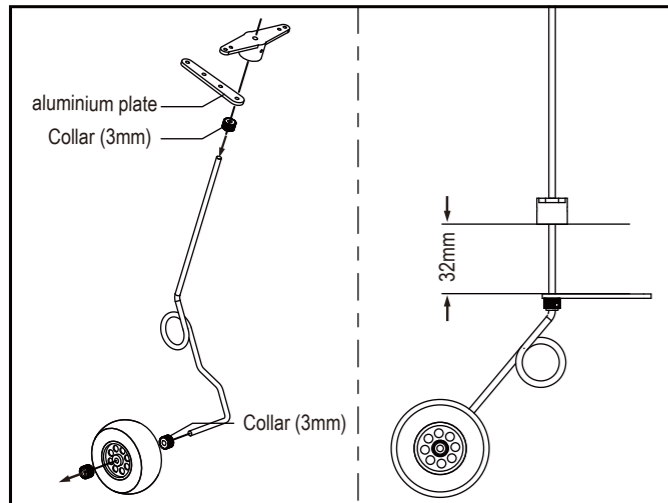
29

Trim a slot and drill a hole in the rudder for helping assemble the tail landing to it.



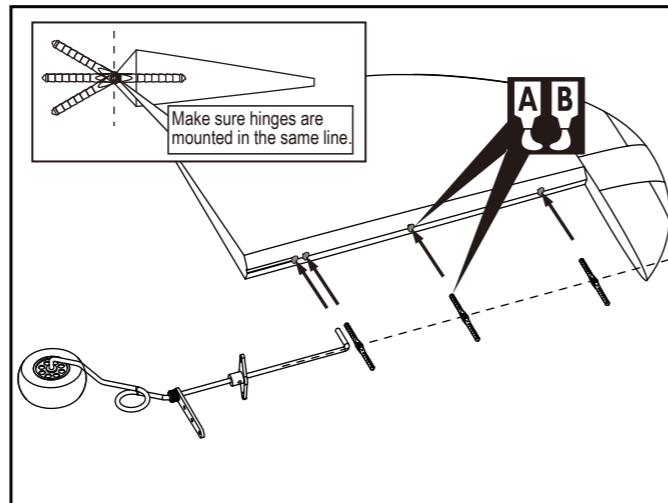
27

Install the tail landing gear.



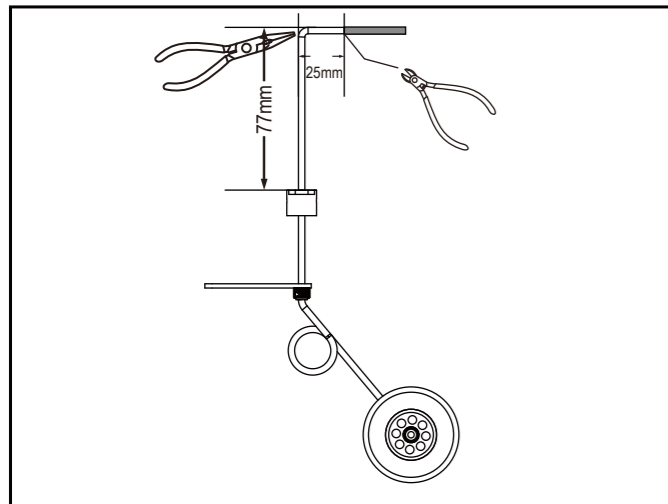
30

Epoxy the aileron and pivot & round hinges and the landing gear to the rudder as illustration.



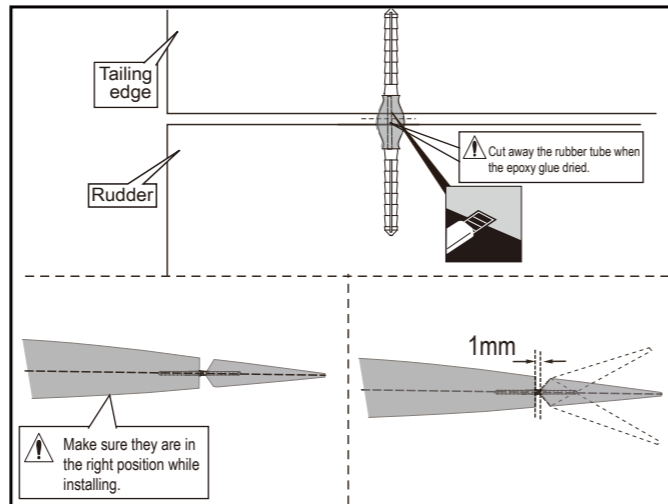
28

According to the illustration below bend the tail landing gear wire and cut off the surplus part.



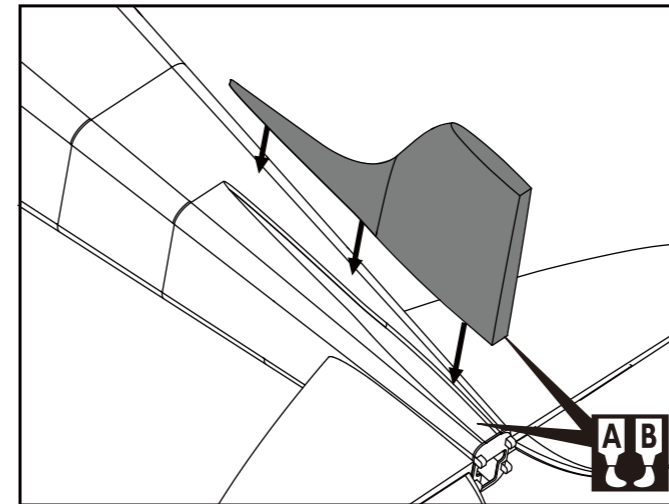
31

Keep some space about 1mm width between the rudder and tail edge.



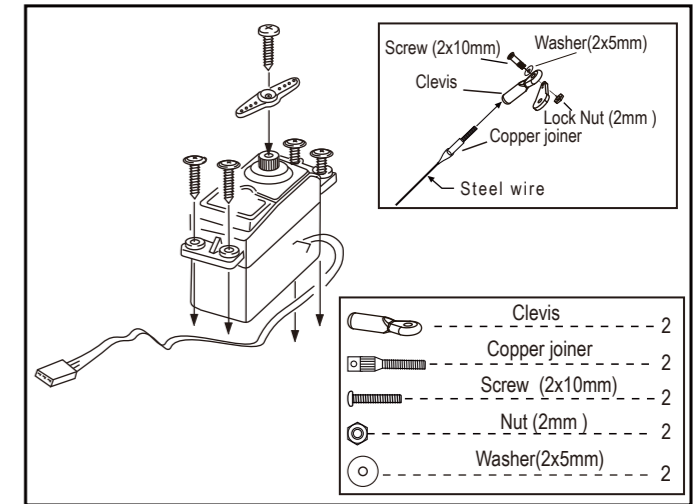
32

Epoxy the stabilizer fin to the slot in the fuselage tightly.



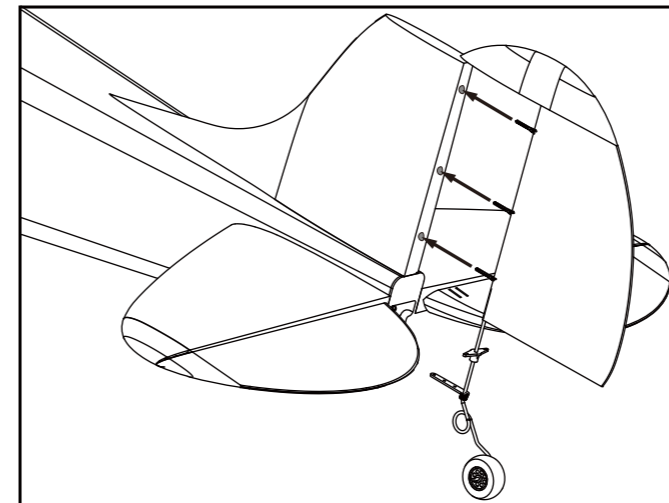
35

Install the servo of the rudder.



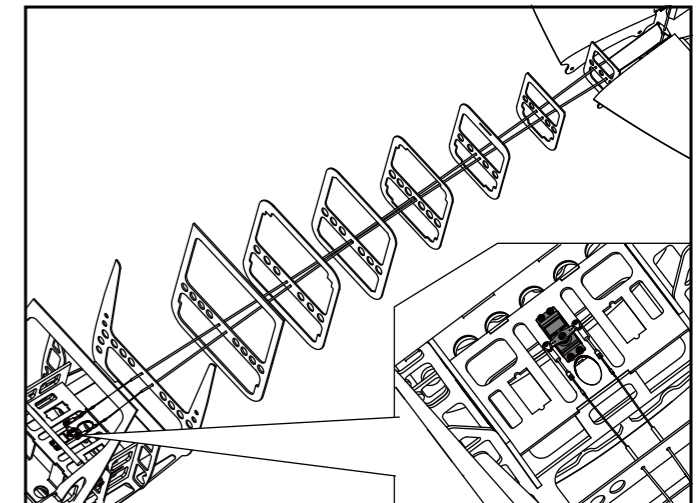
33

Assemble the rudder to the stabilizer fin.



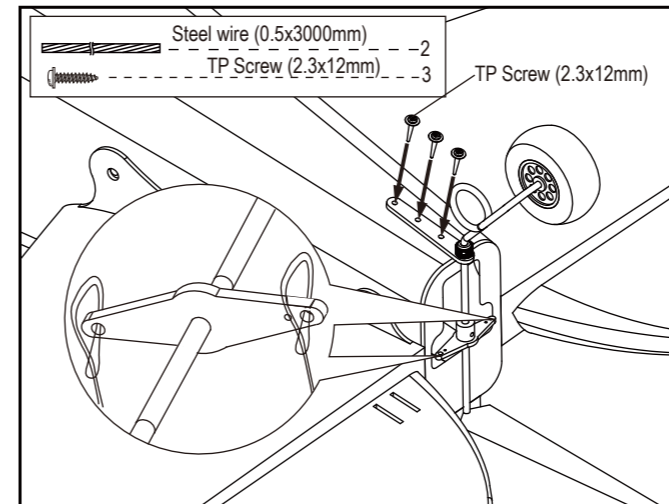
36

The sketch map of how the steel wires works for the rudder.



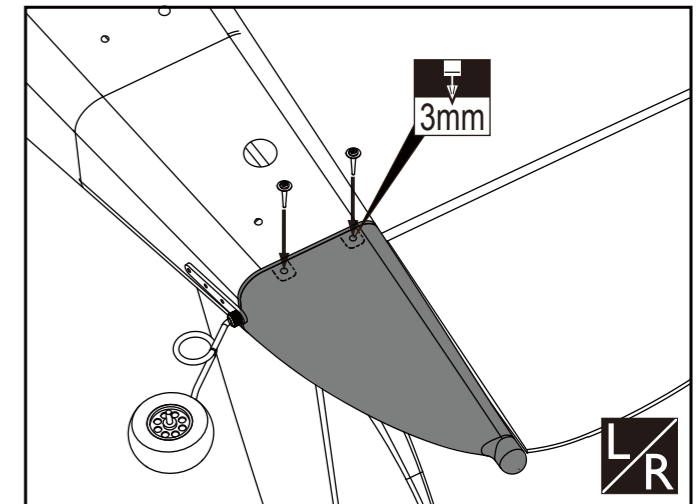
34

Assemble the tail landing gear to tail fuselage with TP screws and connect the steel wire to the steeling fullarm as illustration.



37

Assemble the tail cover to the fuselage with screws as below.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!

Do not overlook this symbol!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.



Warning!



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!

Do not overlook this symbol!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.



Warning!