

Before start ,please carefully read the explanations!

SR-9



Specification:

Length	:1803 mm(71")
Wing Span	:2540 mm(100")
Wing Area	:96.4sq.dm 10.4sq.ft
Wing Loading	:83g/sq.dm 27.2oz/sq.ft
Flying Weight	:8kg(17.6lbs)
Radio	:6ch & 8servos
Engine:	:26cc-40cc

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.

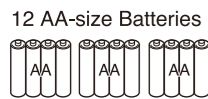
Fly only in open areas and preferably at a dedicated R/C flying site. We suggest having a qualified instructor carefully inspect your airplane before its first flight.Please carefully read and follow all instructions included with this airplane,your radio control system and any other components purchased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

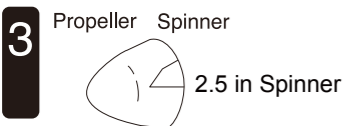
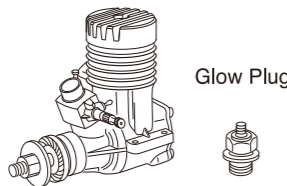


A minimum 6 channel transmitter for airplanes.

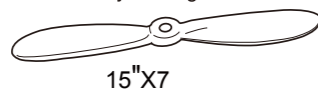


For handling the radio properly, refer to its instruction manual.

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

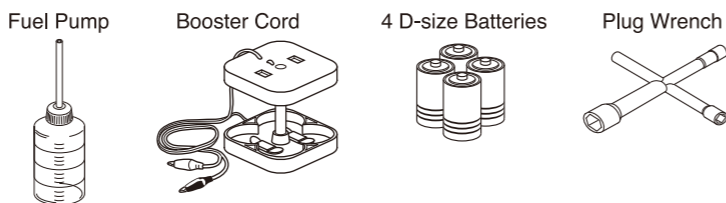
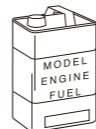


Purchase a propeller that will match your engine.

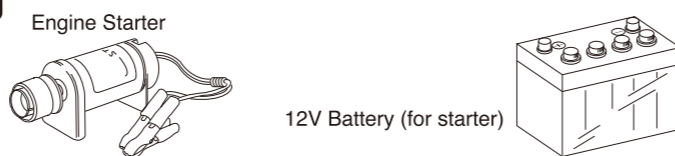


5 Required for engine starting: Glow engine fuel only.

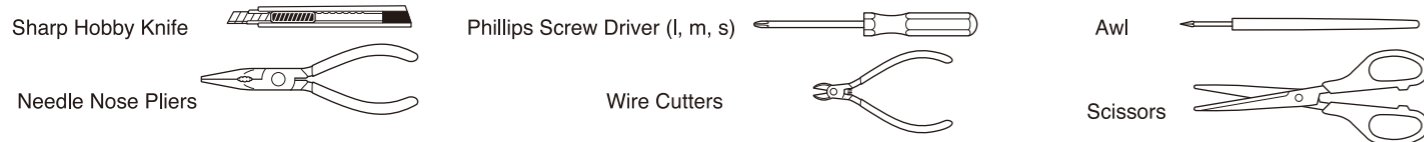
WARNING: Normal gasoline cannot be used with glow engines.



7 Other equipment for enhancing airplane operation & performance



TOOLS REQUIRED (Purchase separately!)



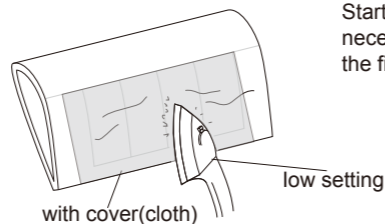
BEFORE YOU BEGIN

- 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.		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.

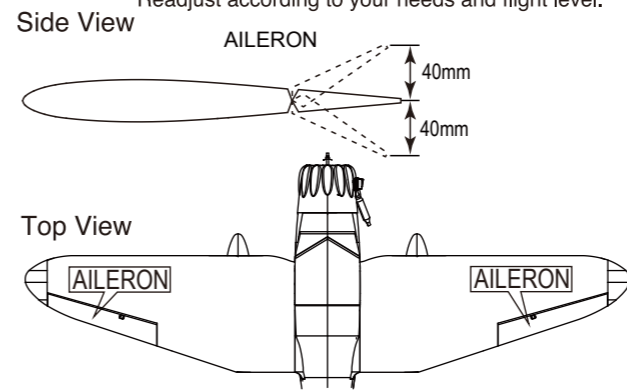


► Pre-cover the covering with clean cloth! Start at low setting. Increase the setting if necessary. If it is too high, you may damage the film.

Do not overlook this Symbol!
Warning!

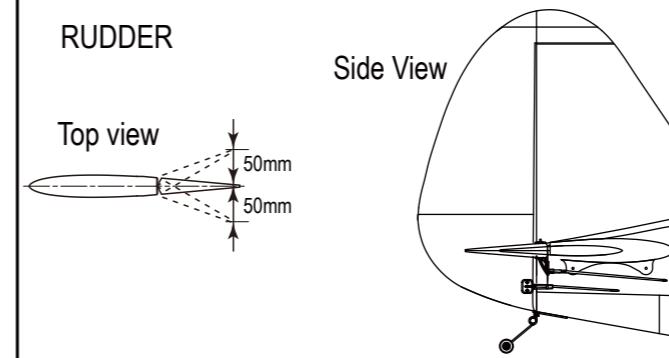
65 Adjustment of the aileron and flap, be sure they can work perfectly.

► 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.



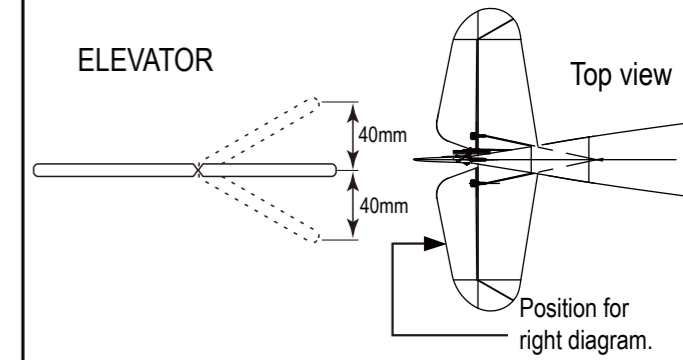
66 Adjustment of the rudder, be sure it can work perfectly.

► 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.



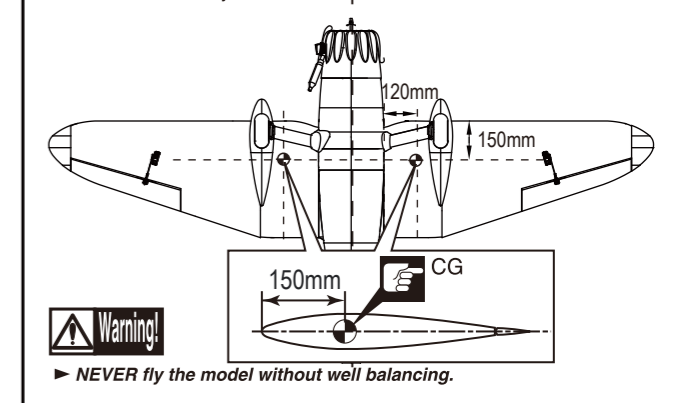
67 Adjustment of the elevator, be sure it can work perfectly.

► 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.

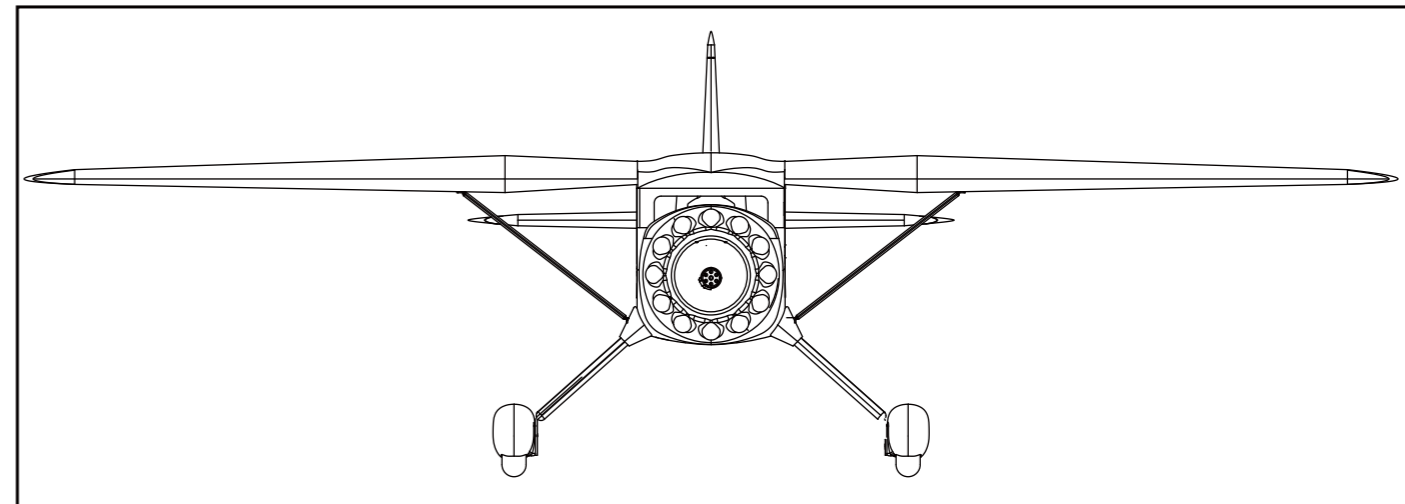


68 Centre of the Gravity.

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

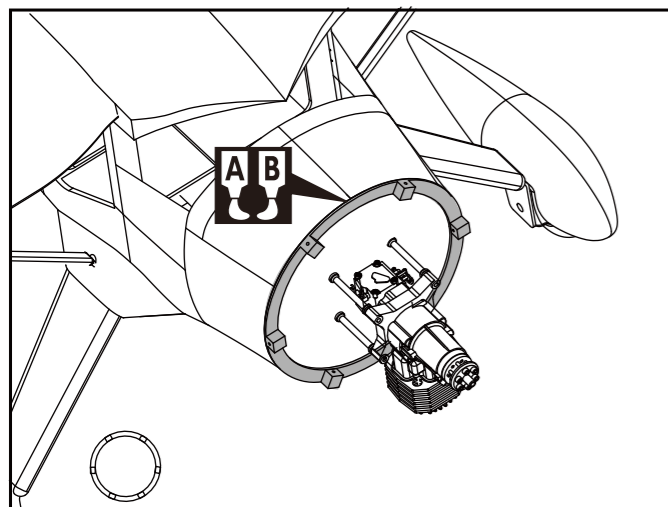


69 The front view once the model plane assemble completely.

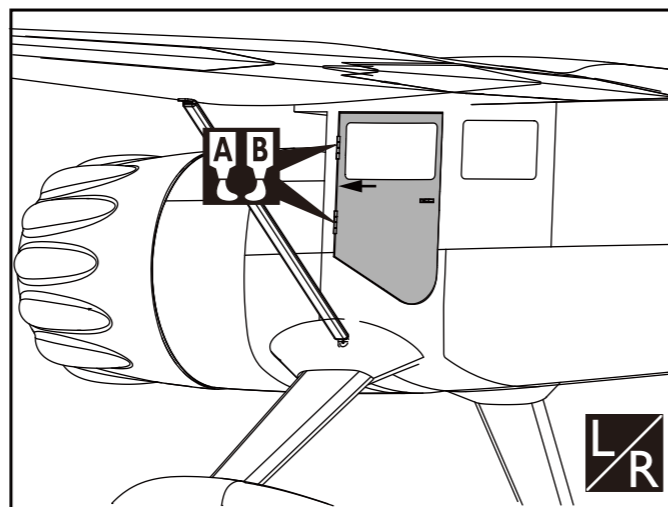


Apply epoxy glue.	Assemble left and right sides the same way.	Pay close attention here!	Do not overlook this symbol! Warning!
Apply instant glue (CA glue, super glue).	Ensure smooth non-binding movement while assembling.	Cut off shaded portion.	

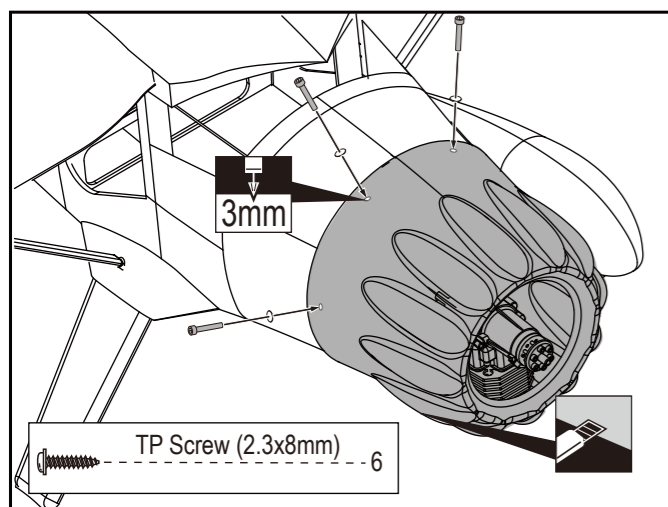
59 Epoxy the ring frame to the head of the fuselage.



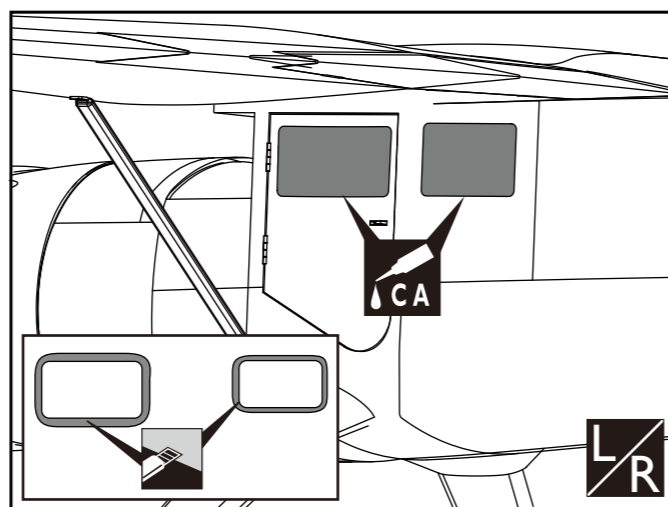
62 Epoxy the door to the fuselage.



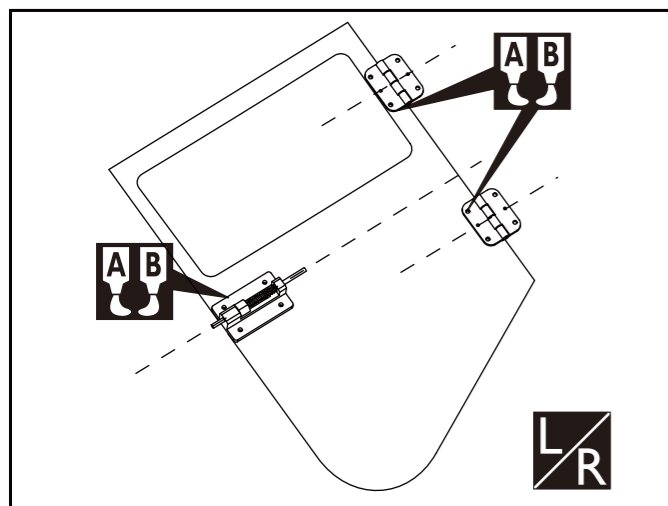
60 Assemble the cowling carefully to the head of fuselage with screws, cut off the surplus section in the cowling for engine or muffler.



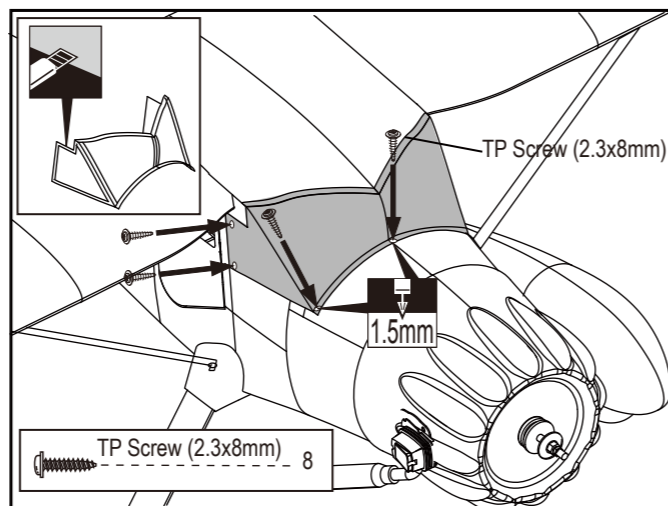
63 Assemble the door window with instant style glue.



61 Epoxy the pinned hinges and door lock to appropriate position in the door.



64 Assemble the windshield to the fuselage with screws.



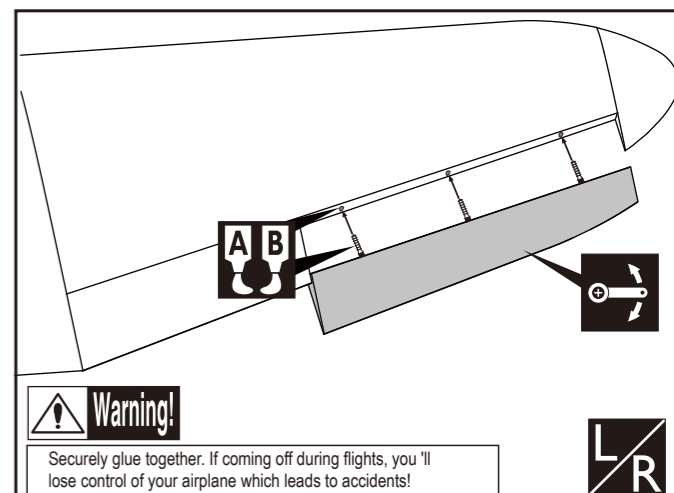
Apply epoxy glue.
 Assemble left and right sides the same way.
 Pay close attention here!
 Do not overlook this symbol!

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

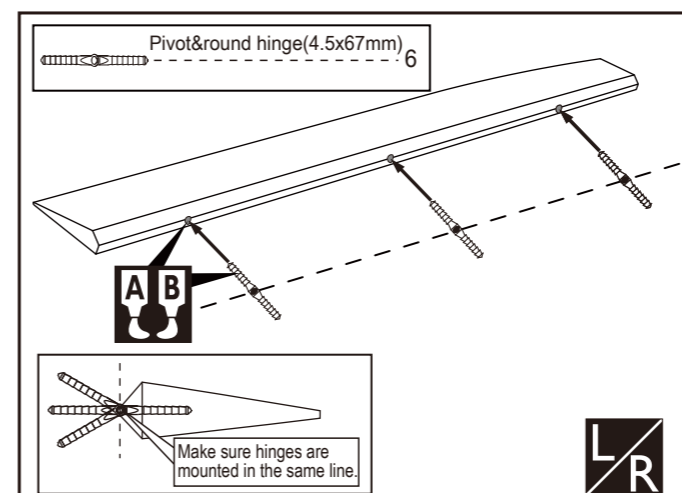
Accessory list for the coming installation steps.

- 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

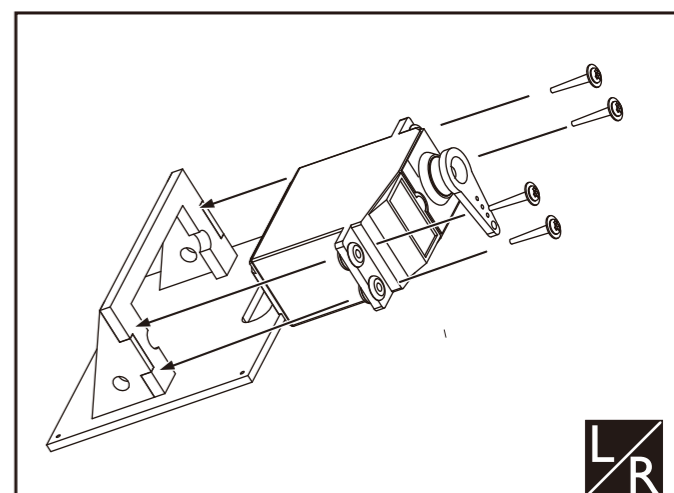
3 Apply instant type AB glue to appropriate position in the trailing edge and assemble the ailerons to them.



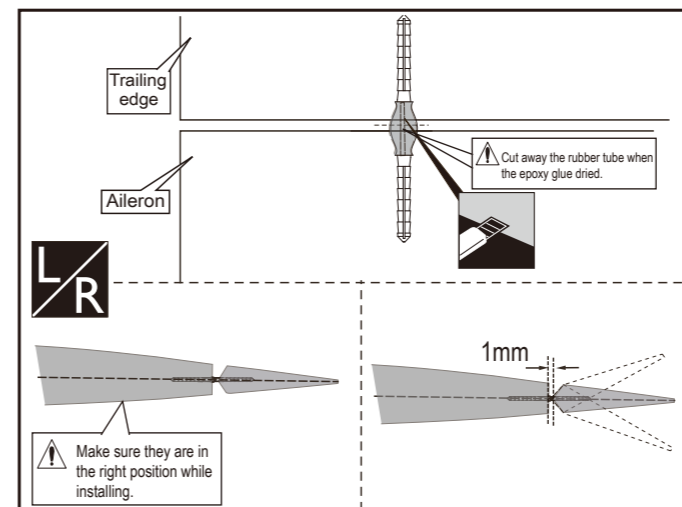
1 Apply instant type AB glue to appropriate position of the aileron and pivot & round hinges. Insert the pivot & round hinges to the ailerons.



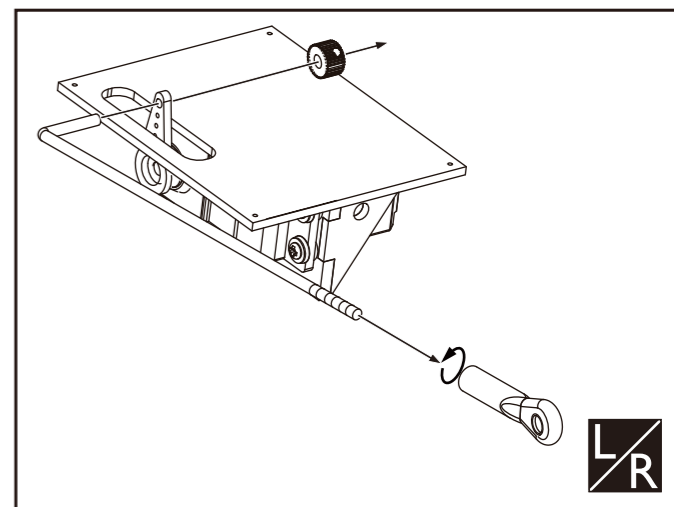
4 Install the aileron servo to the servo mount as illustration below.



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



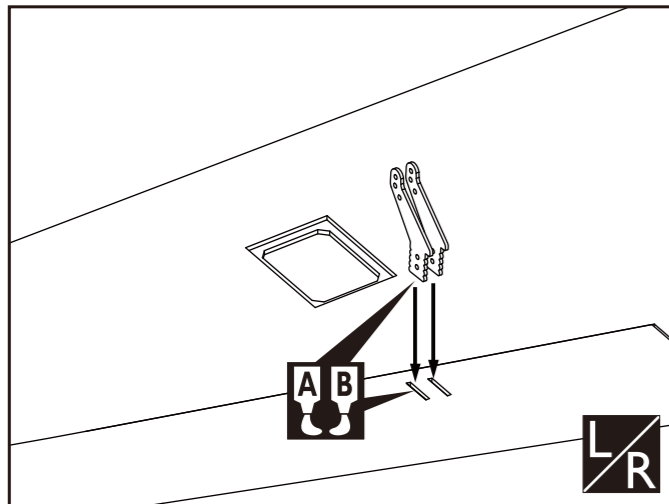
5 Install the nylon control horn and connect the linkage.



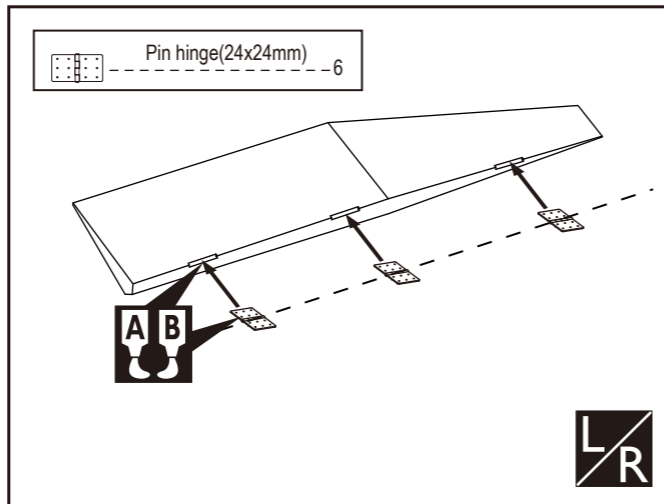
Apply epoxy glue.
 Assemble left and right sides the same way.
 Pay close attention here!
 Do not overlook this symbol!

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

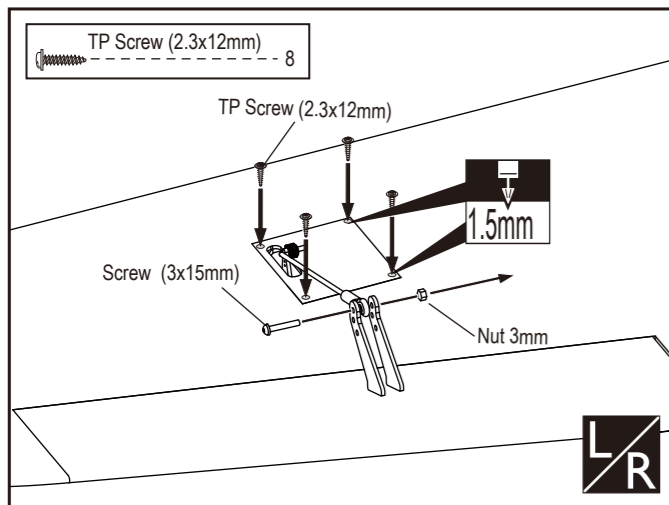
6 Apply instant type AB glue to the control horn and the slots in the aileron, insert the control horn to the slots as illustration.



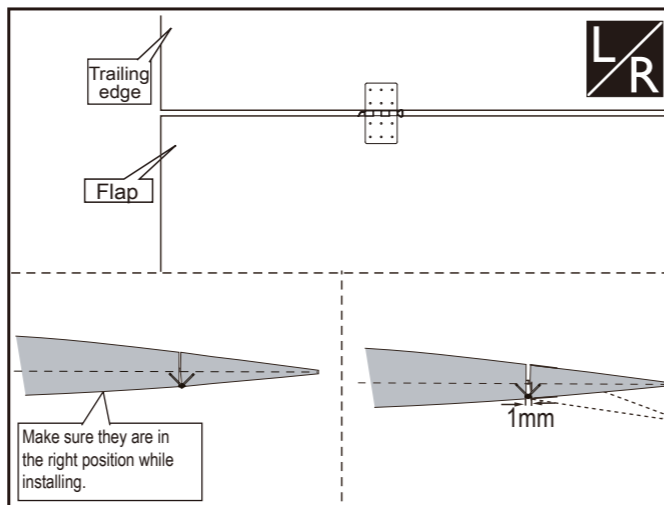
8 Epoxy the pinned hinges to the flap.



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



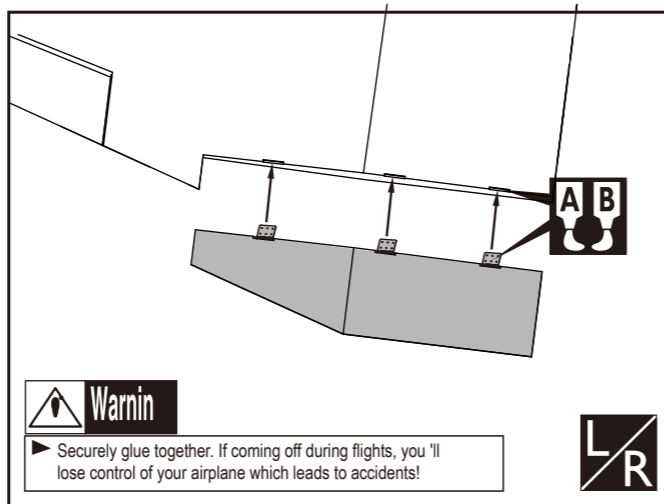
9 Keep some space about 1mm width between trailing edge and flap.



Warning! Accessory list for the coming installation steps.

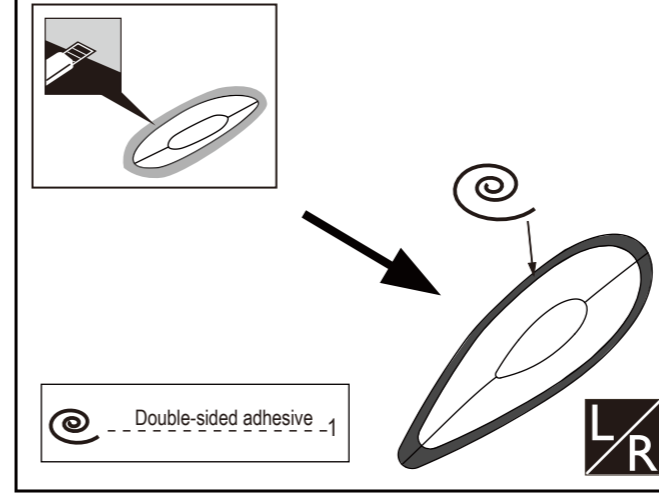
	Rod (2.5x300mm)	2
	TP Screw (2.3x12mm)	8
	Servo tray(70x58x2mm)	2
	Pin hinge(24x24mm)	6
	Collar (2.5mm)	2
	Screw (3x15mm)	2
	Nut (3mm)	2
	Clevis	2
	Control horn	4

10 Epoxy the flaps to the wings as illustration.

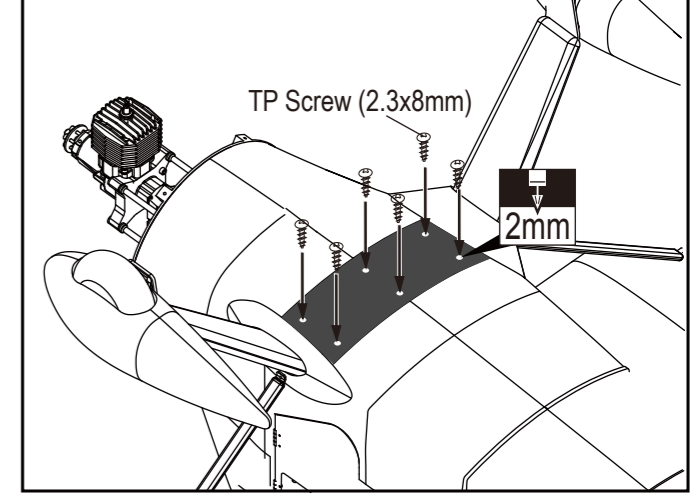


Warning! Securely glue together. If coming off during flights, you'll lose control of your airplane which leads to accidents!

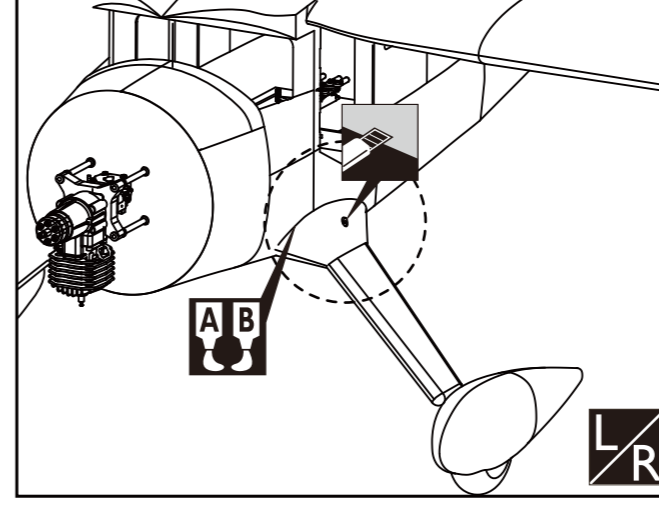
54 Trim the PVC parts along the shaded line.



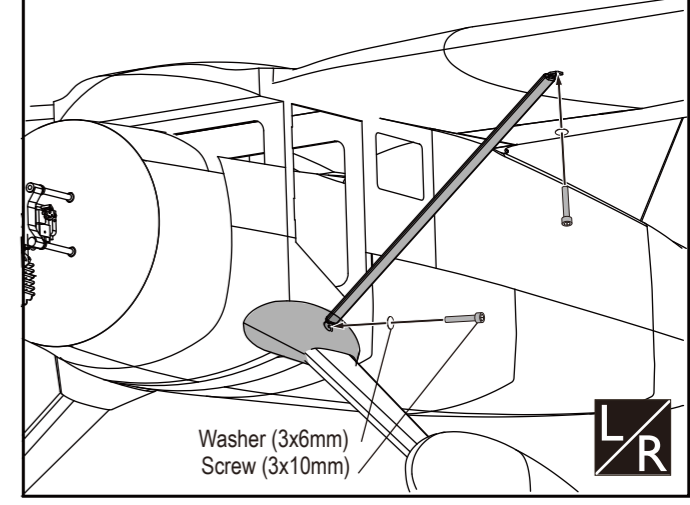
57 Assemble the landing gears cover to the fuselage with TP screws.



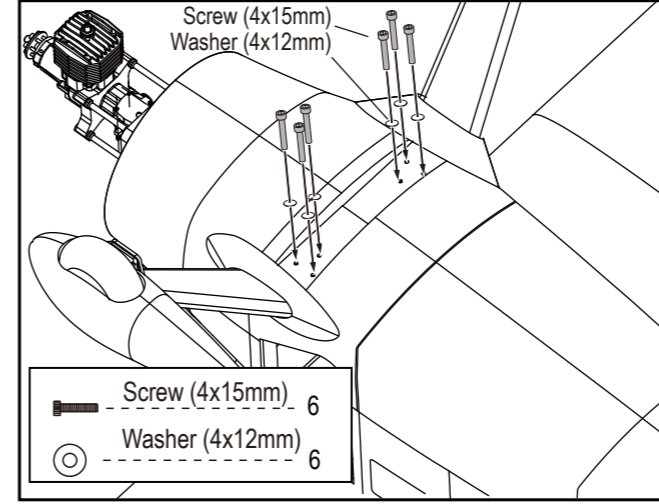
55 Trim small holes to the PVC parts and assemble them to the landing gears as shown.



58 Fix the wing struts to the fuselage and wings via Alu localizers & screws.



56 Assemble the landing gears to the fuselage with screws as illustration.



Warning! Accessory list for the coming installation steps.

	Pvc	2
	Pvc	2
	Pvc	1
	TP Screw (3x8mm)	6
	TP Screw (2.3x8mm)	8
	Thimble	2
	Pin hinge(36x20x1mm)	4

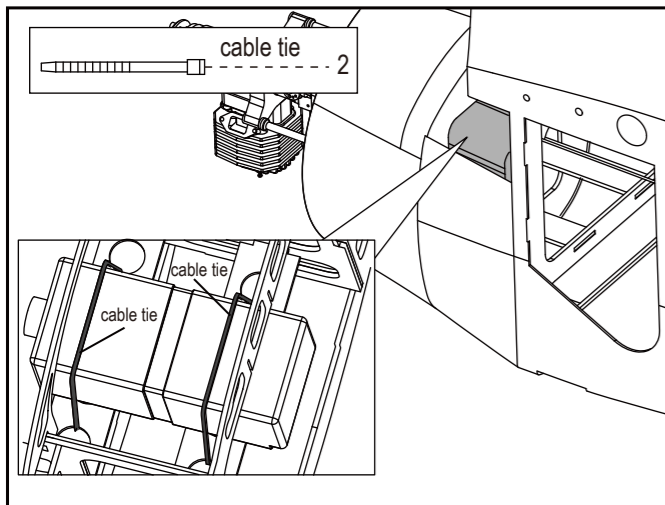
A B Apply epoxy glue. **L/R** Assemble left and right sides the same way. **Pay close attention here!** Do not overlook this symbol! **Warning!**

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

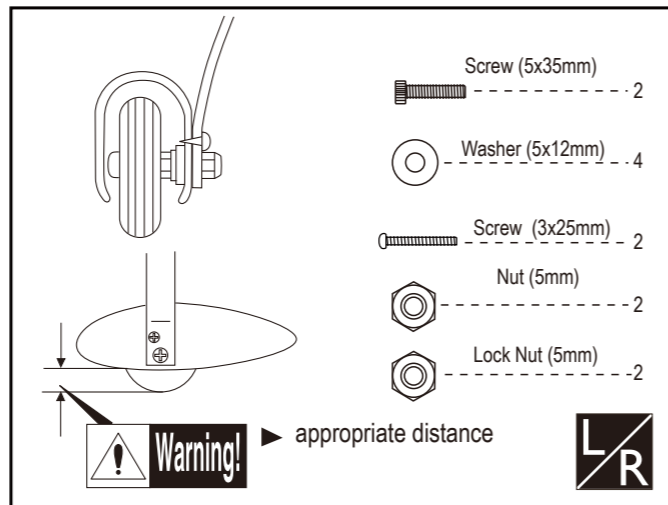
A B Apply epoxy glue. **L/R** Assemble left and right sides the same way. **Pay close attention here!** Do not overlook this symbol! **Warning!**

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

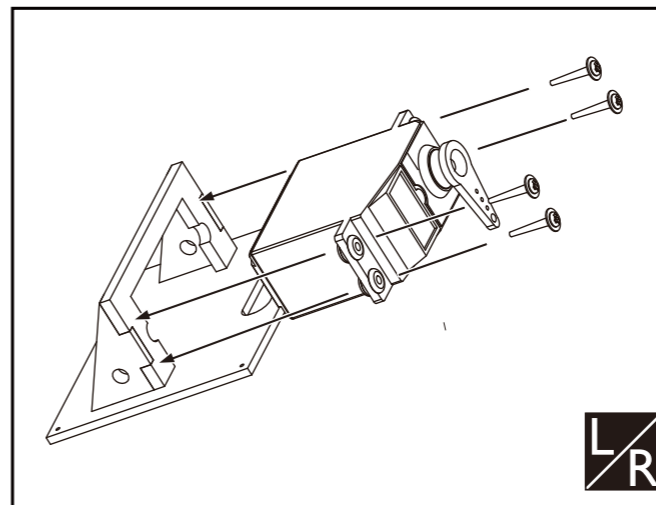
49 Fix the fuel tank to appropriate position in the fuselage with cable tie.



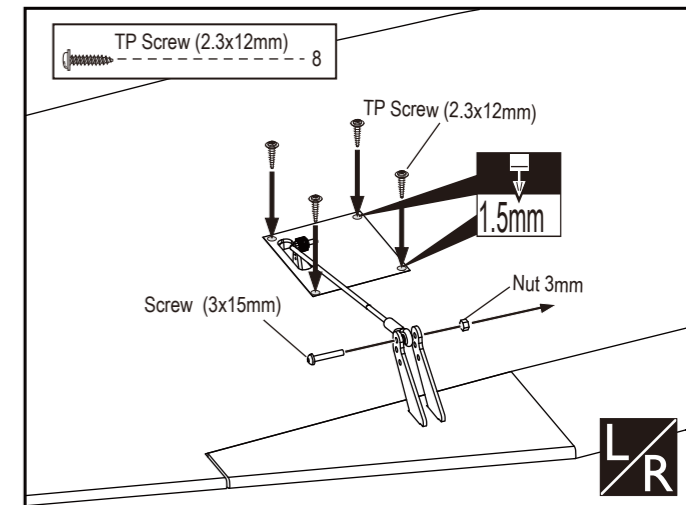
51 The sketch map when the wheels and wheel pants install completely.



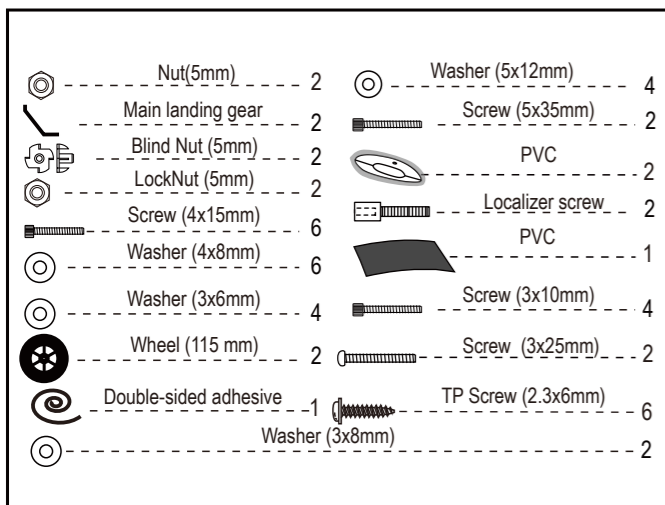
11 Install the flap servo to the servo mount as illustration below.



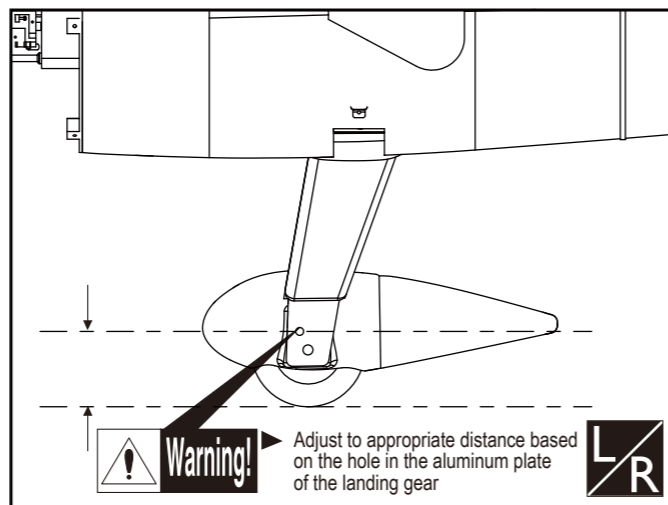
14 Lock the linkage to the control horn with screw and nut as below.



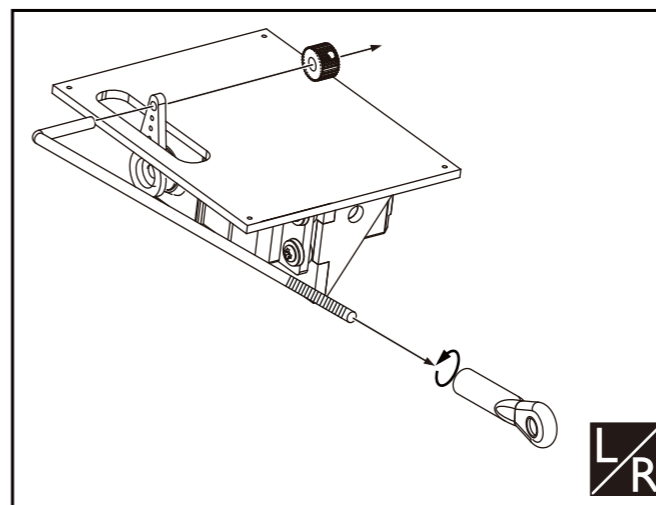
Warning! Accessory list for the coming installation steps.



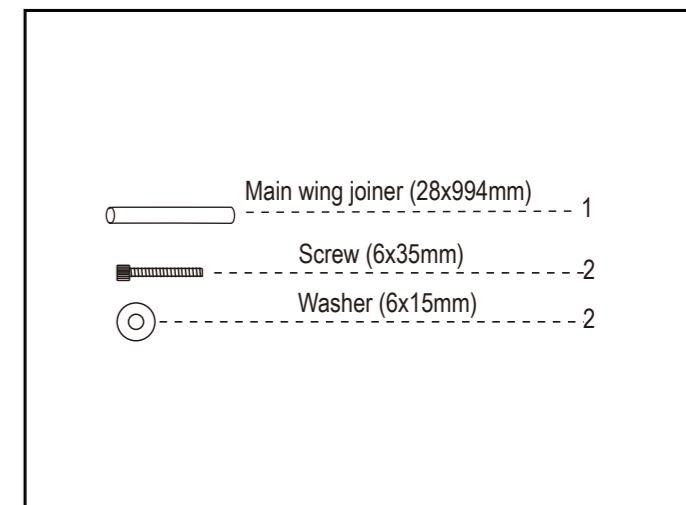
52 Drill holes to appropriate position in the wheel pants, fixing the wheel pants to the landing gear with screws.



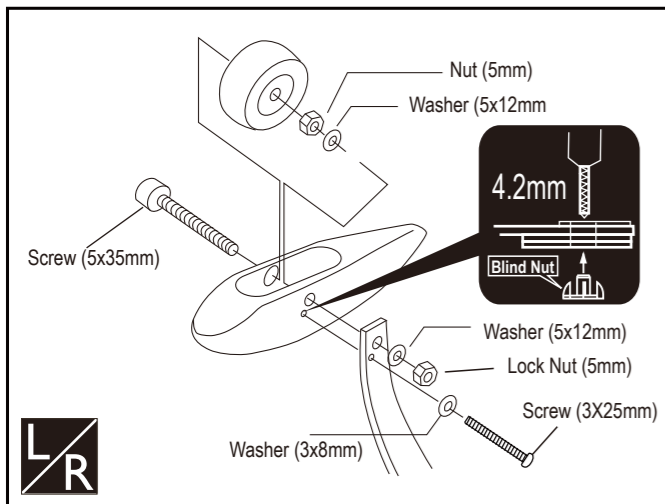
12 Install the nylon control horn and connect the linkage.



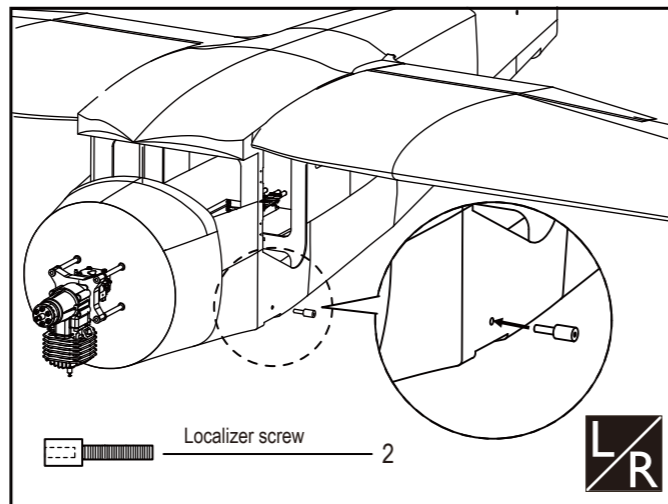
Warning! Accessory list for the coming installation steps.



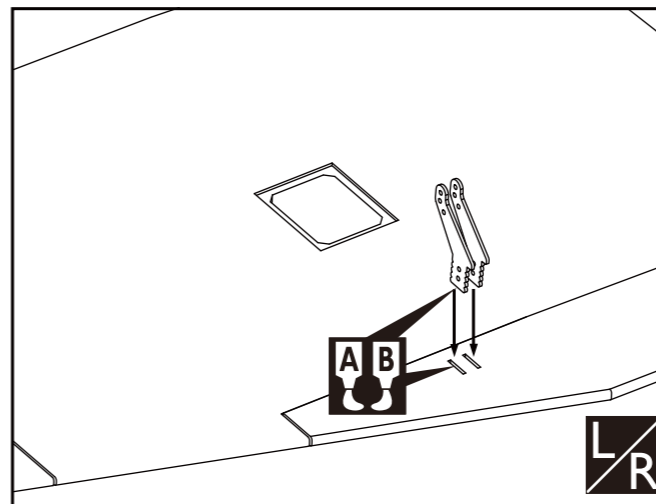
50 Assemble the wheels and wheel pants to the landing gears with screws.



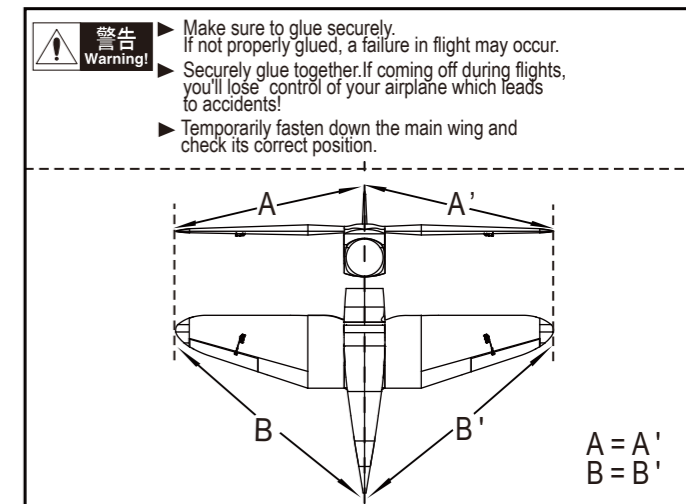
53 Set the Alu localizers to the appropriate position for fixing the wing strut.



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.



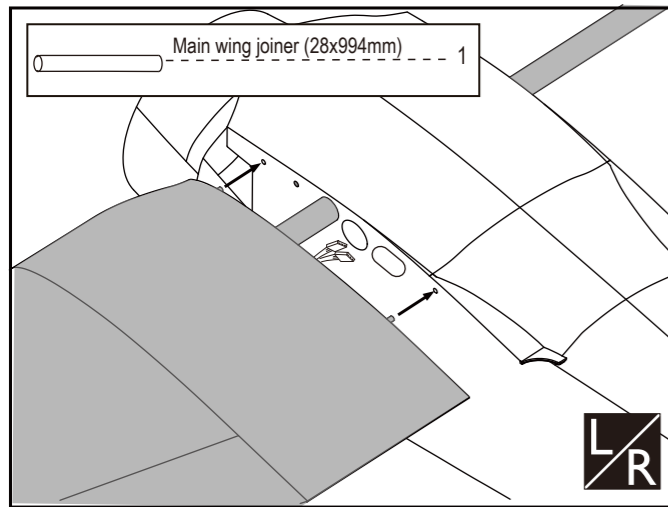
15 The standard sketch map when the kit install completion.



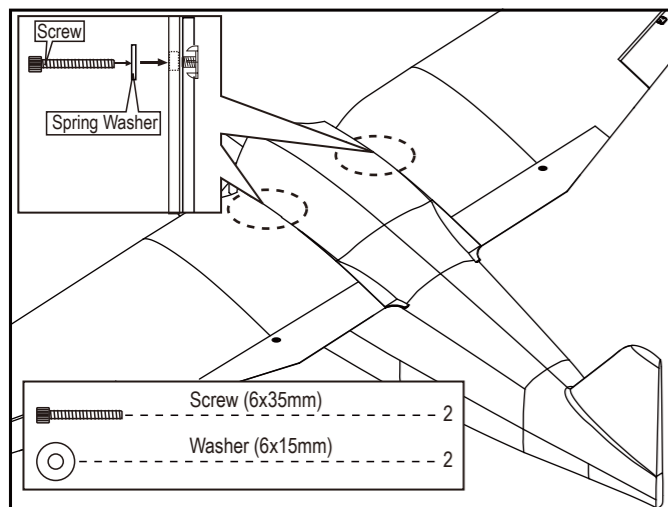
Apply epoxy glue.	Assemble left and right sides the same way.	Pay close attention here!	Do not overlook this symbol!
Apply instant glue (CA glue, super glue).	Ensure smooth non-binding movement while assembling.	Cut off shaded portion.	

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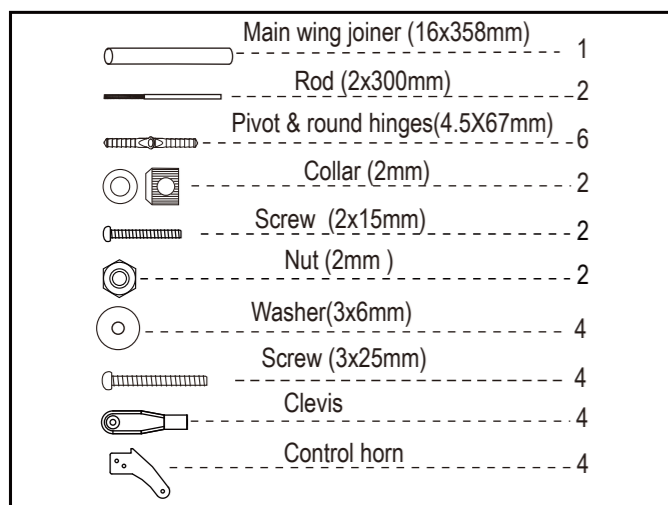
16 Assemble the wings to the fuselage through the main wing joiner carefully.



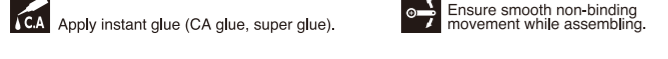
17 Fix the wings to the fuselage tightly via screws from the doors.



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



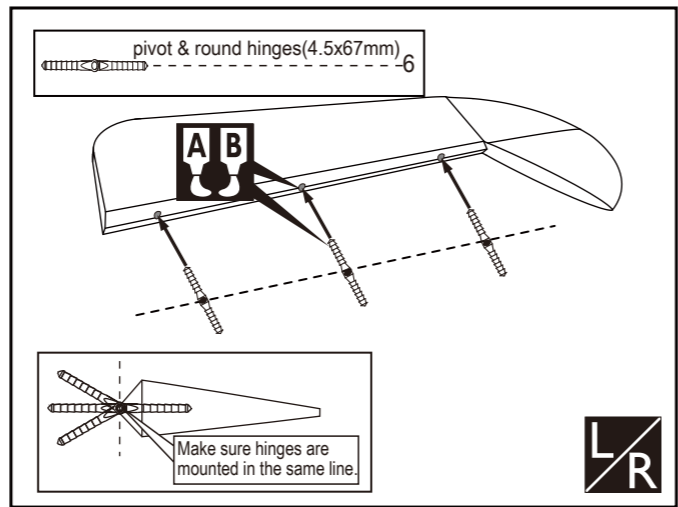
19 Keep about 1mm width space between the elevators and the stabilizers.



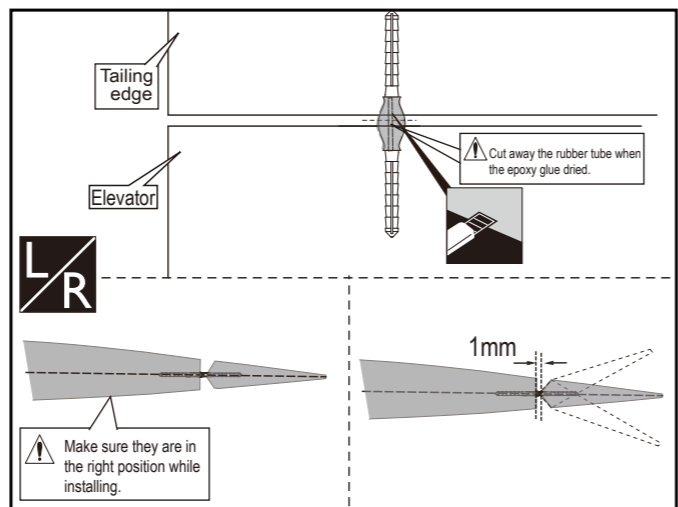
20 Assemble the elevators to the stabilizers via pivot & round hinges.



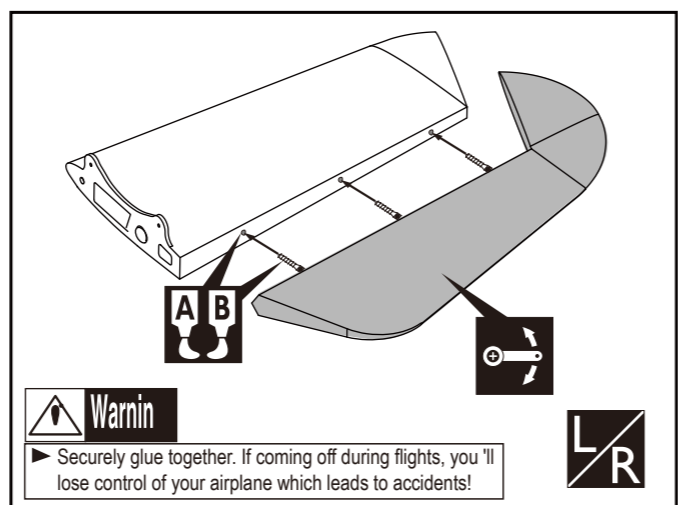
43 Assemble the engine to the fuselage.



44 Install the throttle linkage.



45 The sketch map when the engine install completion.



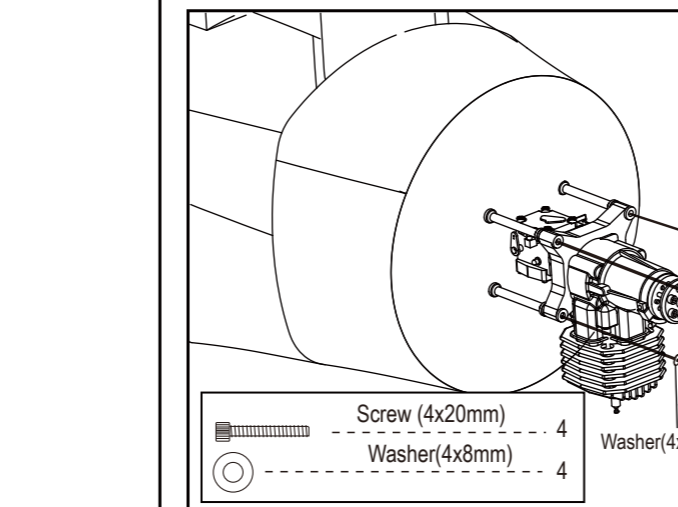
46 Install the servo of throttle.



47 Assemble the servo in the fuselage.



48 Assembly of the fuel tank.



49 Accessory list for the coming installation steps.

- Main wing joiner (16x358mm) 1
- Rod (2x300mm) 2
- Pivot & round hinges(4.5X67mm) 6
- Collar (2mm) 2
- Screw (2x15mm) 2
- Nut (2mm) 2
- Washer(3x6mm) 4
- Screw (3x25mm) 4
- Clevis 4
- Control horn 4

50 Apply epoxy glue.

51 Assemble left and right sides the same way.

52 Pay close attention here!

53 Do not overlook this symbol!

54 Apply epoxy glue.

55 Assemble left and right sides the same way.

56 Pay close attention here!

57 Do not overlook this symbol!

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

59 Ensure smooth non-binding movement while assembling.

60 Cut off shaded portion.

61 Warning!

38

The standard sketch map when the kit 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.

160mm



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 (2x550mm) ----- 1

41

Drill four holes at the diameters as shown.

4.2mm

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.

- Screw (4x45mm) ----- 4
- Washer(4x8mm) ----- 4

Screw (4x45mm)

Washer(4x8mm)

21

Assemble the servos to appropriate position in the stabilizers.

24

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

Screw (2x15mm)

Nut 2mm

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 wood 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.

- Washer(3x6mm) ----- 4
- Screw (3x25mm) ----- 4

Screw

Spring Washer



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.

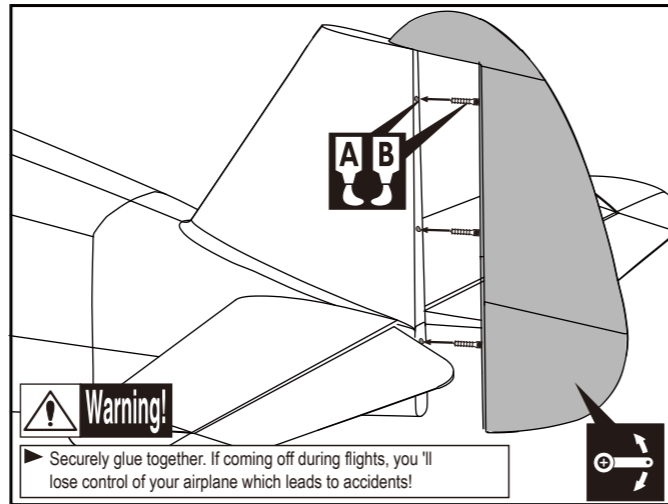


Accessory list for the coming installation steps.

- | | | | |
|--|---|--|---|
| | 3 | | 4 |
| | 6 | | 1 |
| | 3 | | 6 |
| | 1 | | 6 |
| | 6 | | 4 |
| | 1 | | 3 |
| | 1 | | 1 |
| | 6 | | 4 |
| | 4 | | |

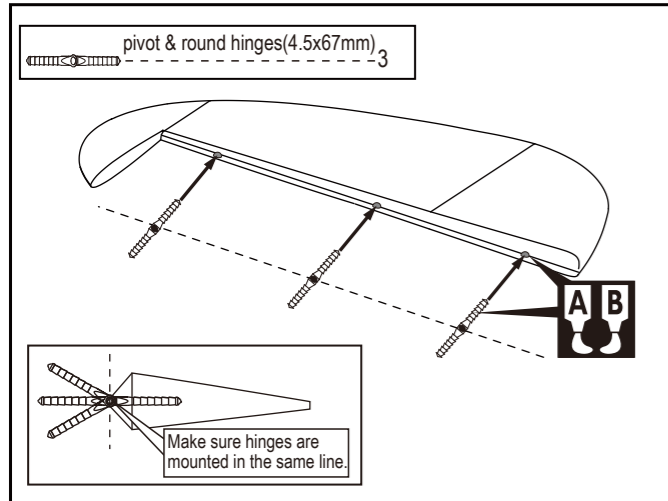
29

Epoxy the rudder to the vertical fin.



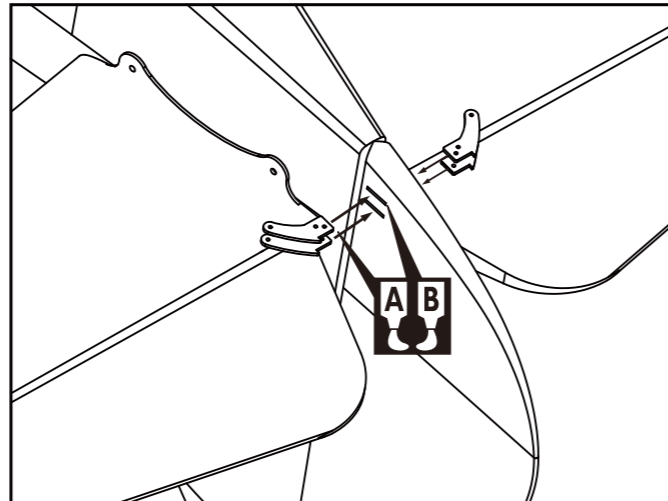
27

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



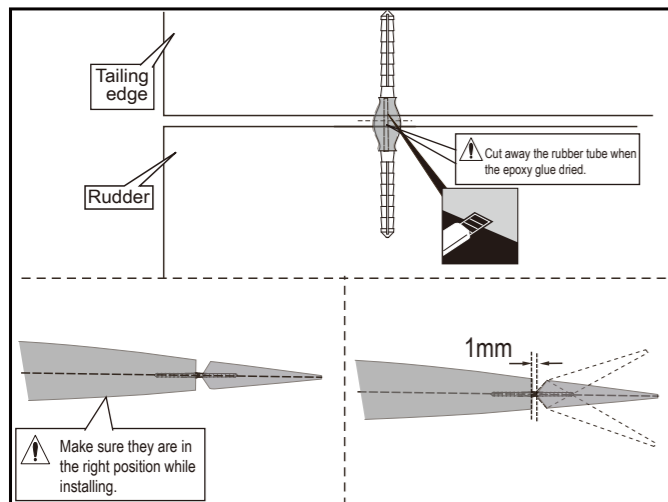
30

Epoxy the control horns to the slots in the rudder.



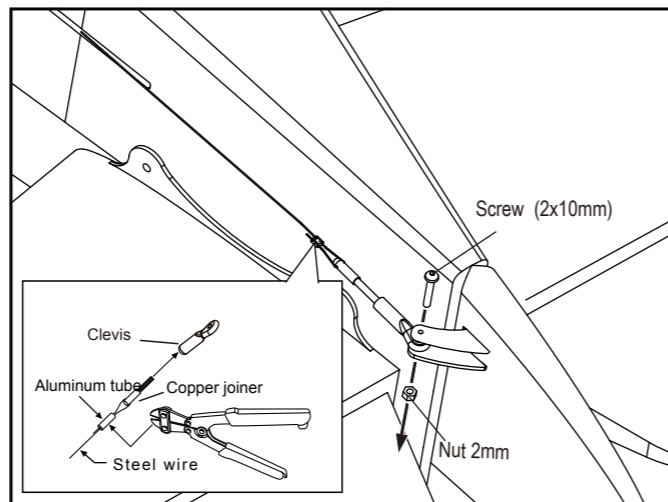
28

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



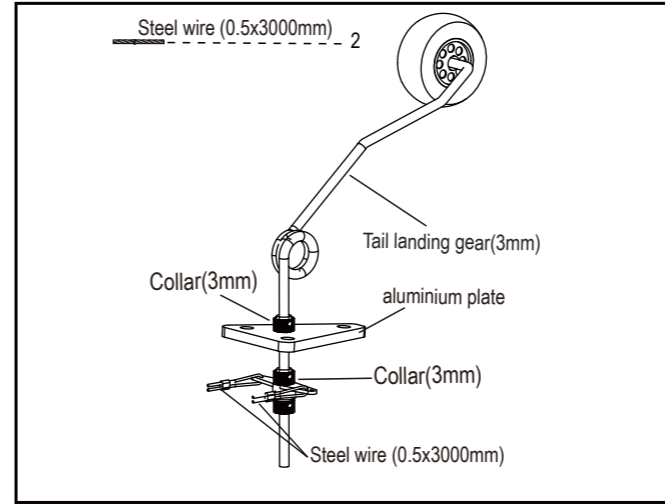
31

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



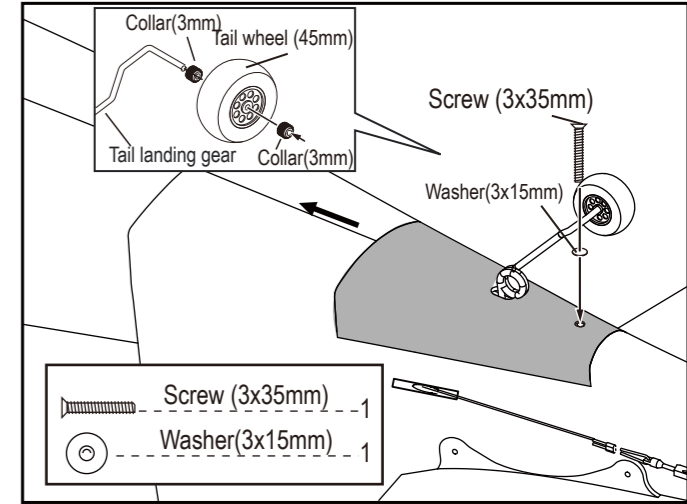
32

Assemble the tail landing gear as below.



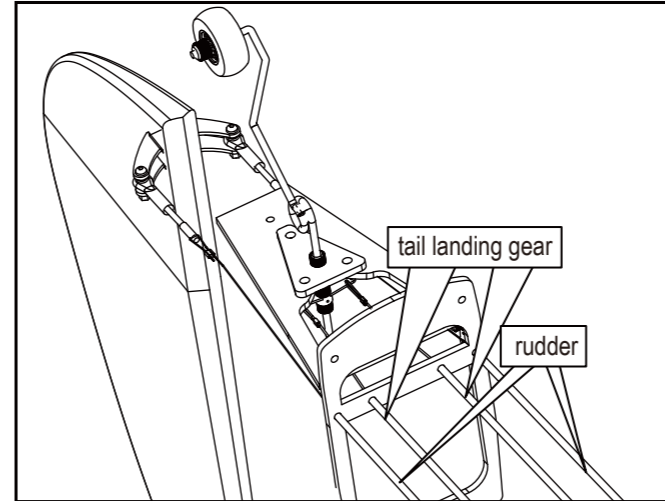
35

Assemble the tail landing gear cover to the fuselage.



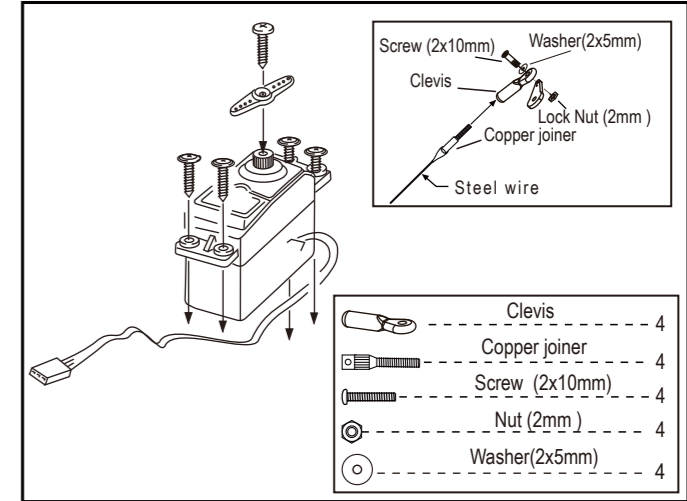
33

The connection working sketch map of the lines for the rudder and tail landing gear.



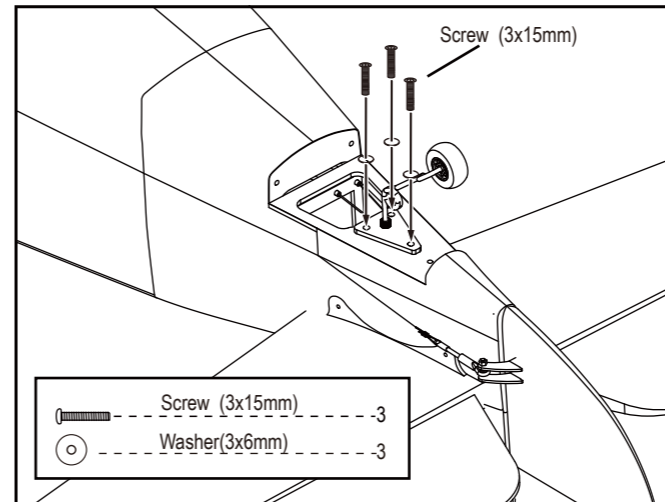
36

Install the servo of the tail landing gear and rudder.



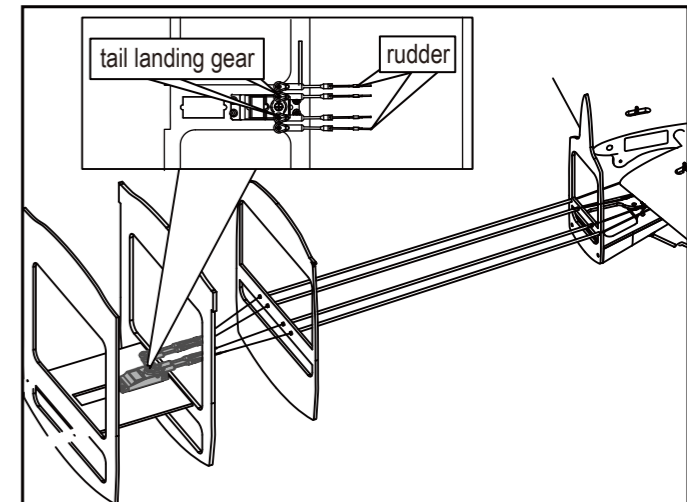
34

Fix the tail landing gear to the fuselage.



37

Assemble the servo in the fuselage.



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!