Before start, please carefully read the explanations!

Bull dog



Specification:

Length :1549 mm(61")
Wing Span :2210 mm(87")
Wing Area :60sq.dm

6.54sq.ft

Wing Loading :86.7g/sq.dm

28.4oz/sq.ft

Flying Weight :5.2kg(11.4lbs) Radio :6ch & 6servos

Engine: :26cc-36cc

INSTRUCTION MANUAL



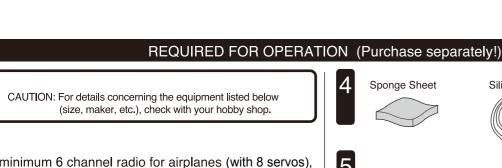
SAFETY PRECAUTIONS

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.

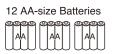


A minimum 6 channel radio for airplanes (with 8 servos), and dry batteries.



CAUTION: Only use a minimum 6 channel radio for airplanes! (No other radio may be used!)

6 channel radio for aiplane is highly recommended for this model.



A minimum 6 channel transmitter for airplanes.



Glow Plug

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





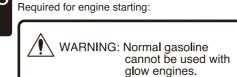




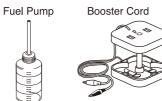
Purchase a propeller that will match your engine. 2.5 in Spinner 15"X7







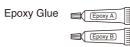






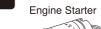


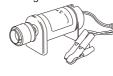






Other equipment for enhancing airplane operation & performance

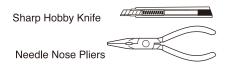




12V Battery (for starter)

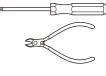


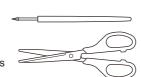
TOOLS REQUIRED (Purchase separately!)



Phillips Screw Driver (I, m, s)

Wire Cutters





Symbol!

Do not overlook this

BEFORE YOU BEGIN



Read through the manual before you begin, so you will have an overall idea of what to do.



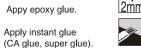
Check all parts. If you find any defective or missing parts, contact your local dealer.



Symbols used throughout this instruction manual, comprise:



Appy epoxy glue. Apply instant glue



Drill holes with the specified diameter (2mm).

Cut off shade portion.



Cut off excess.

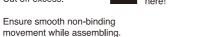


Pay close attention



Assemble left and right sides the same way.

Warning!



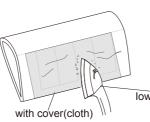


Must be purchased separately!

Warning

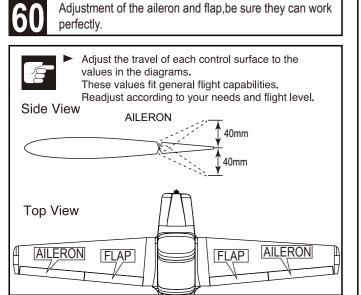
Remove the covering with proper pressure to cut through only the covering itself. Otherwise, cutting down into the balsa structure may weaken the model part and cause accident.

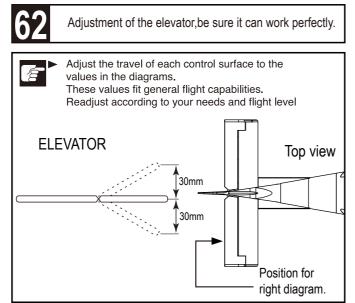
The pre-covered film on ARF kits may wrinkle due to variations of temperature. Smooth out as explained right.

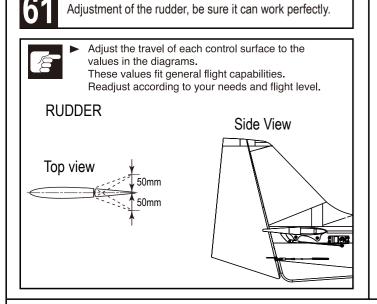


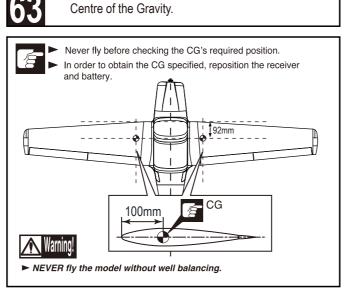
► Pre-cover the covering with clean cloth! Start at low setting. Increase the setting if necessary. If it is too high, you may damage

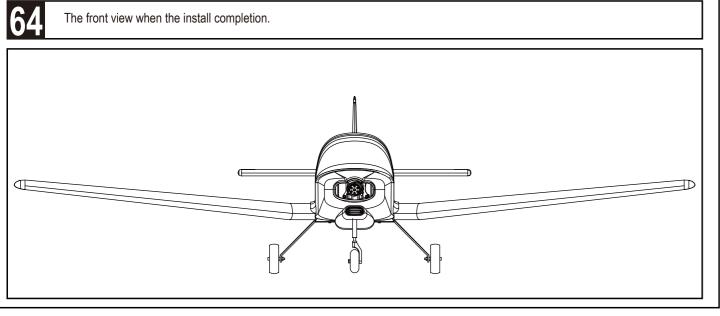
low setting

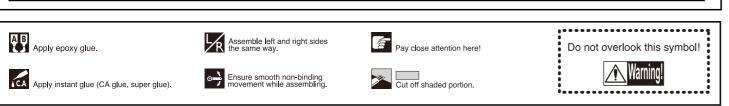


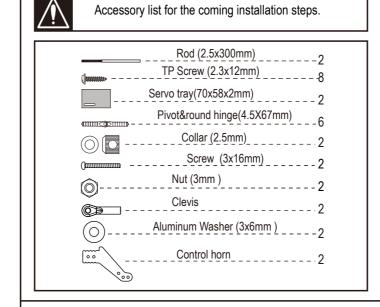


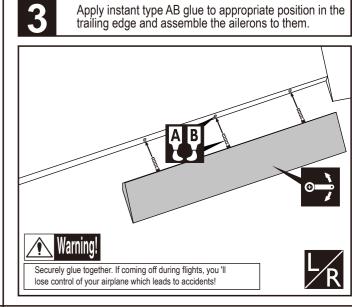


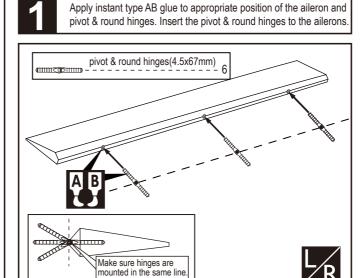


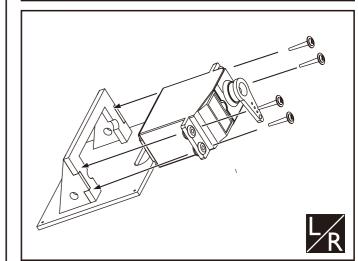




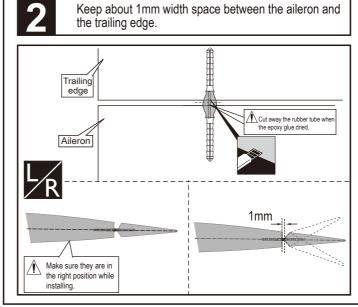


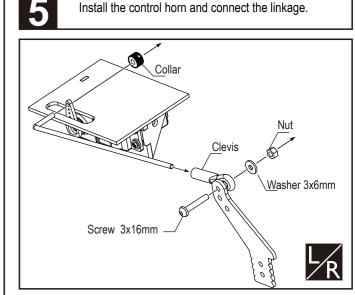


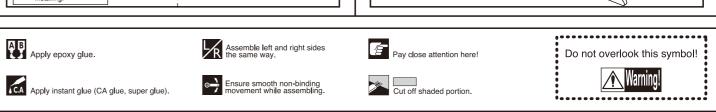


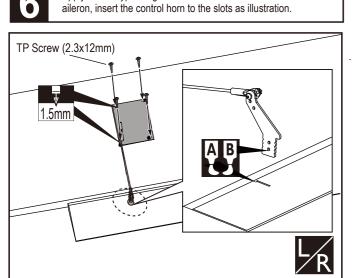


Install the aileron servo to the servo mount as illustration

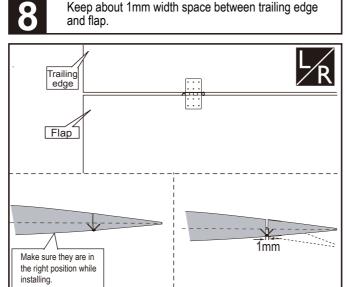


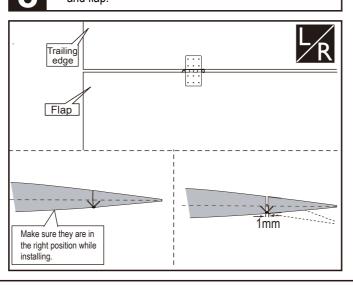


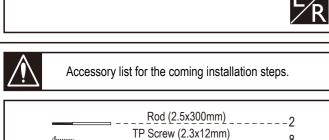


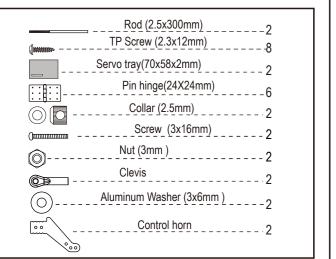


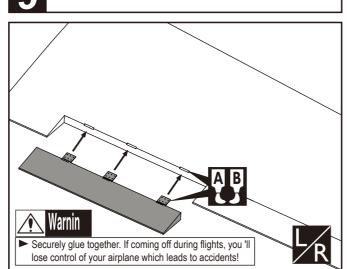
Apply instant type AB glue to the control horn and the slots in the



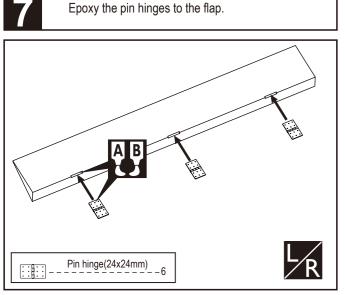


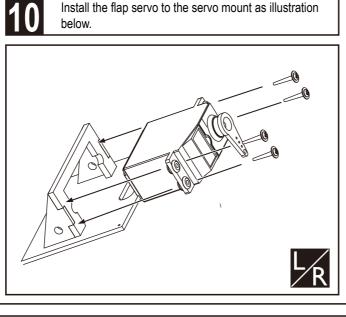


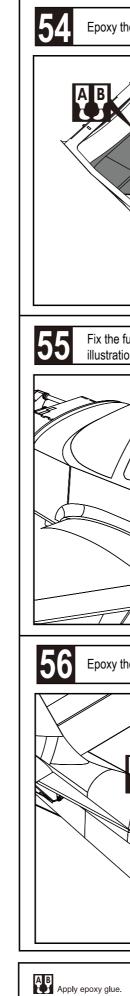




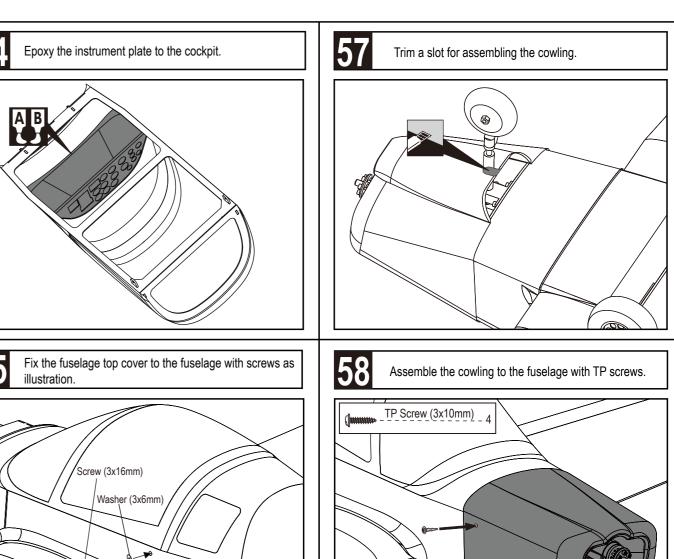
Epoxy the flaps to the wings as illustration.



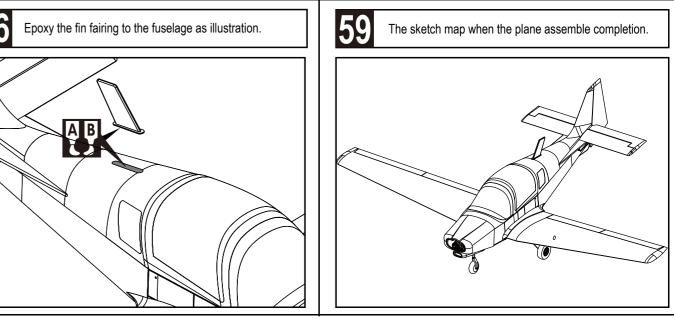




C.A Apply instant glue (CA glue, super glue).





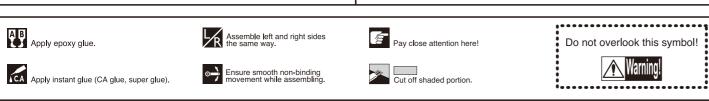


Pay close attention here!

Cut off shaded portion.

,-----

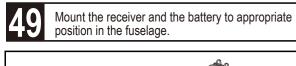
Do not overlook this symbol!

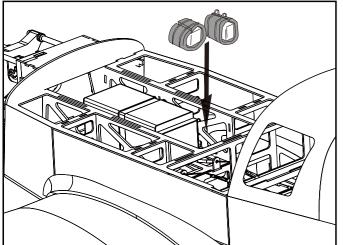




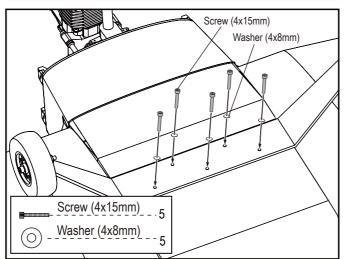
Assemble left and right sides the same way.

Ensure smooth non-binding movement while assembling.



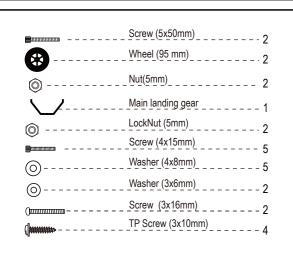




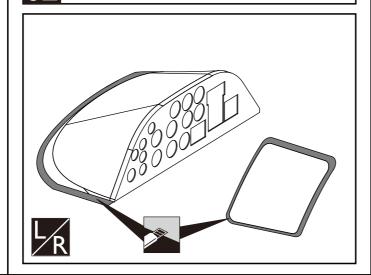




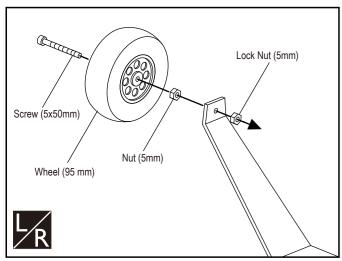
Accessory list for the coming installation steps.



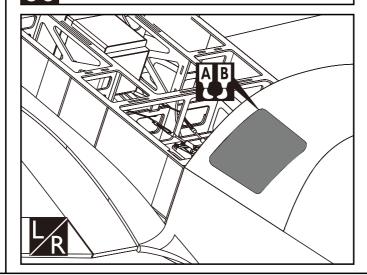
Trim the PVC parts along the shaded line.



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



Epoxy the PVC part to appropriate position in the fuselage.



A B Apply epoxy glue.

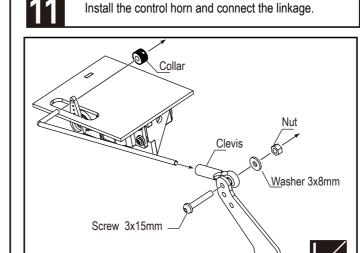
Apply instant glue (CA glue, super glue).

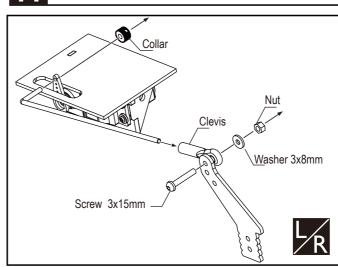
Assemble left and right sides the same way.

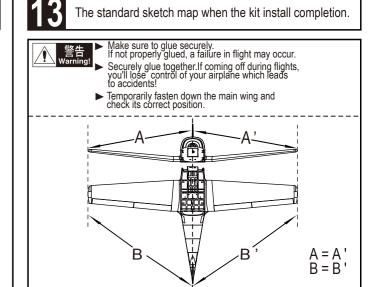


10

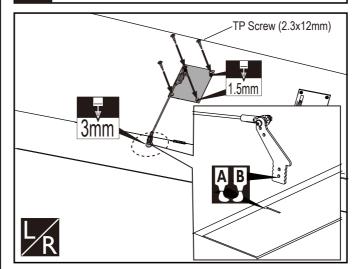
Do not overlook this symbol! <u>∕</u> Warning!



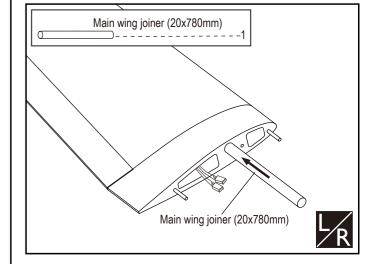




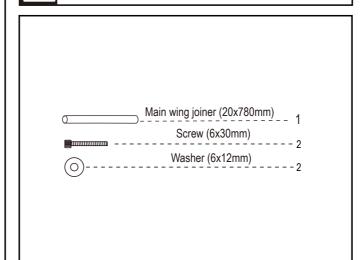
Secure the flap servo, install the control horn and connect



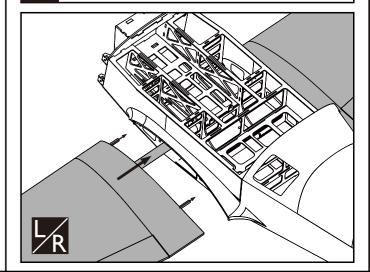
Insert the main wing joiner to the wing.



Accessory list for the coming installation steps.



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





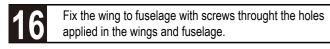
CA Apply instant glue (CA glue, super glue).

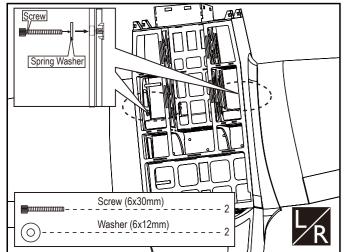


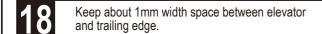
Ensure smooth non-binding movement while assembling

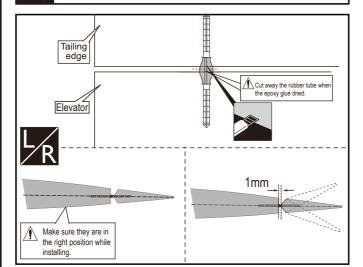






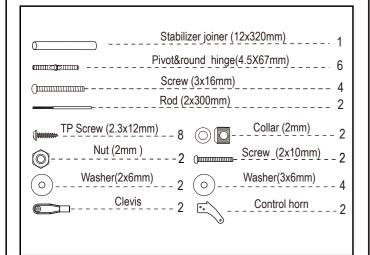




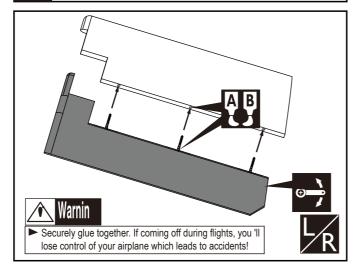




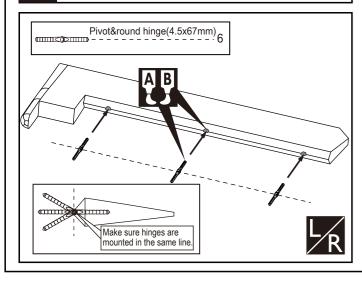
Accessory list for the coming installation steps.



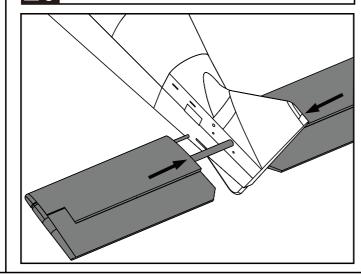
1 0 Epoxy the elevator to the stabilizer.



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



Assemble the stabilizer to the fuselage through the stabilizer joiner.



Apply epoxy glue.

Apply instant glue (CA glue, super glue).

Assemble left and right sides the same way.

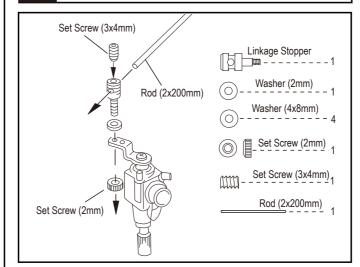
ensure smooth non-bind movement while assem

Pay close attention here!

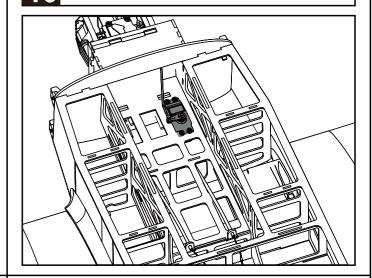


Do not overlook this symbol!

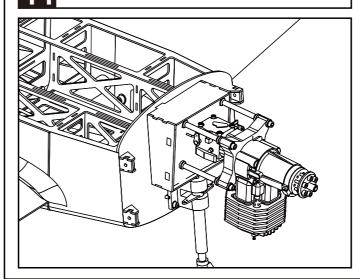
Install the throttle linkage.



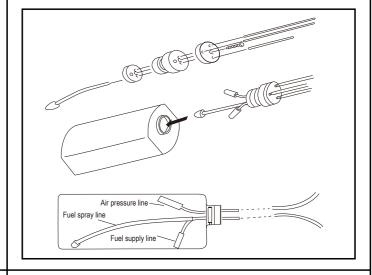
46 Assemble the servo in the fuselage.



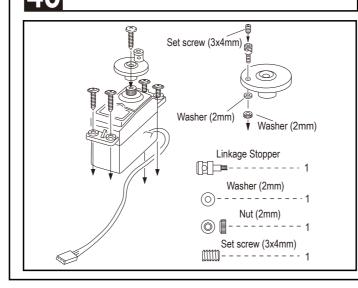
The sketch map when the engine install completion.



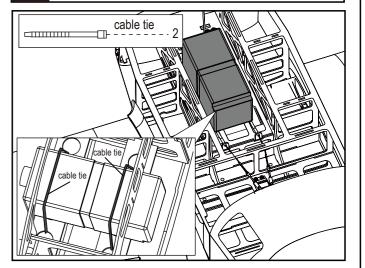
Assembly of the fuel tank.

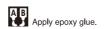


15 Install the servo of throttle.



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





Apply instant glue (CA glue, super glue).

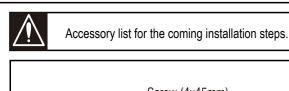
Assemble left and right sides the same way.

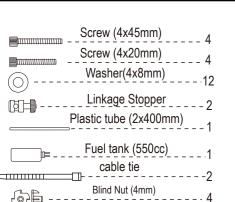


Pay close attention here

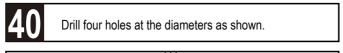


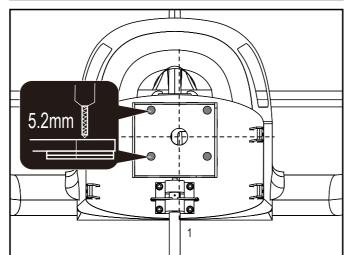
Do not overlook this symbol!

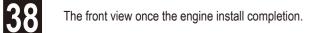


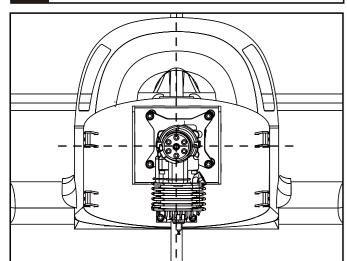


Rod (2x200mm)

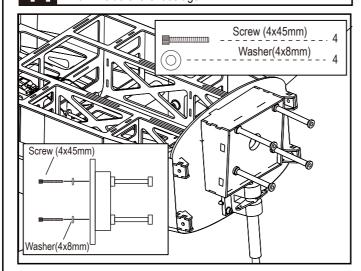




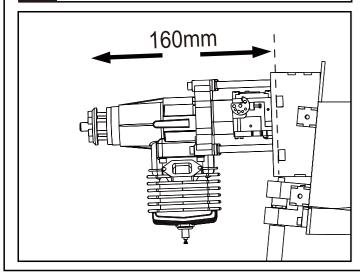




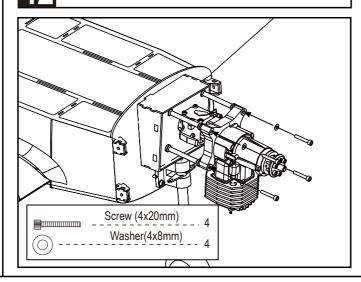
Install the engine mount tubes to the fuselage ,lock them from inside of the fuselage.



The side view once the engine install completion.



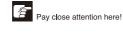
Assemble the engine to the fuselage.



Apply epoxy glue.

Apply instant glue (CA glue, super glue).

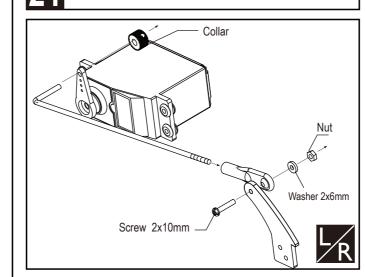
Assemble left and right sides the same way.



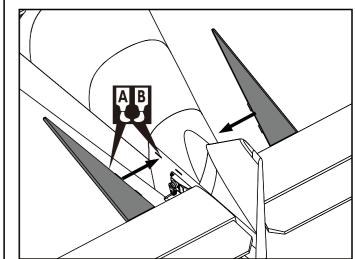
8



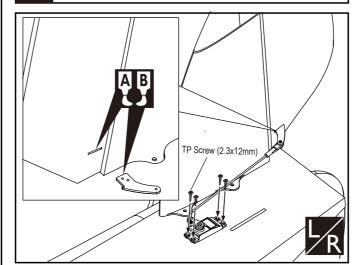
Install the control horn and connect the linkage.



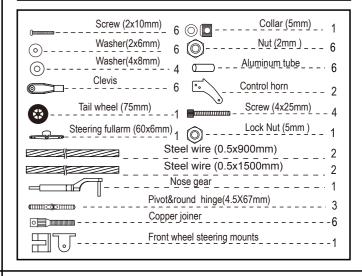
Epoxy the fairing sheet to the slots in the fuselage as illustration.



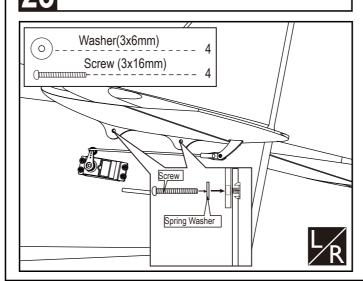
Epoxy the control horn to the slots in the elevator, assemble the elevator servo to the fuselage as illustration.



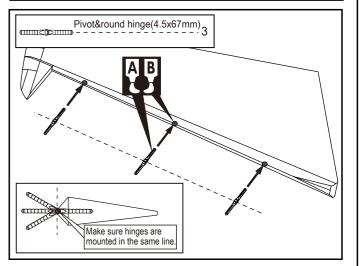
Accessory list for the coming installation steps.



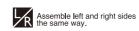
73 Fix the stabilizers to the tail fuselage via screws.



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







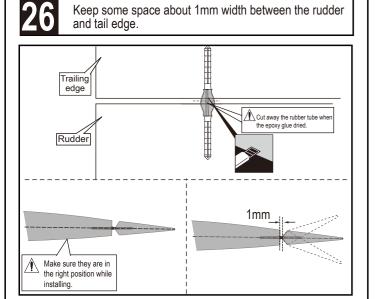
Ensure smooth non-binding movement while assembling

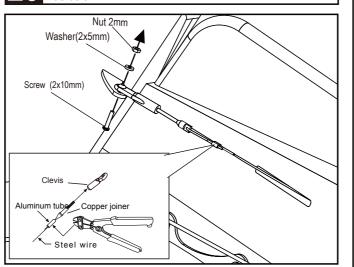


Do not overlook this symbol!

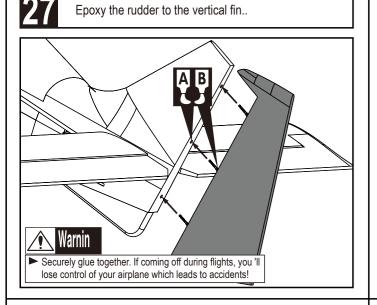
ortion. Apply instant glue (CA glue, super glue).

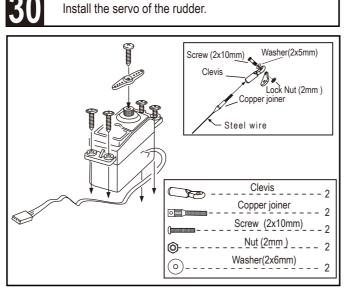
5

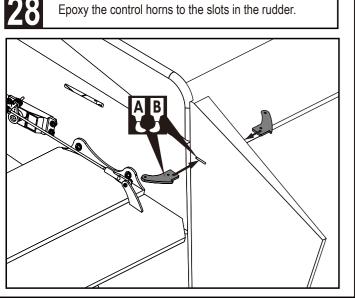


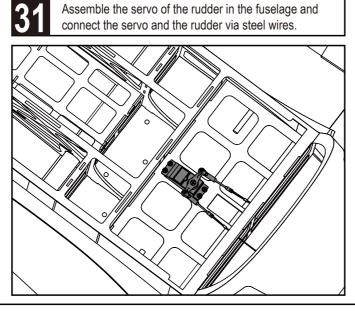


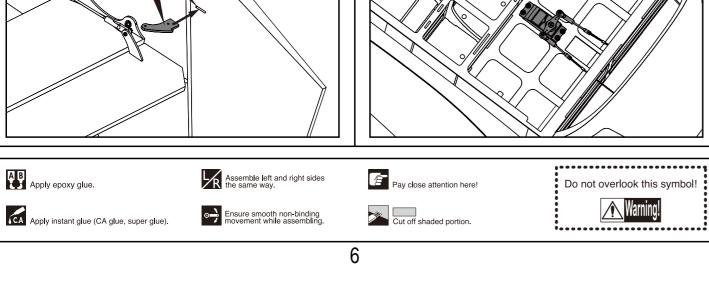
Lock the linkage to the control horn with screws and nuts

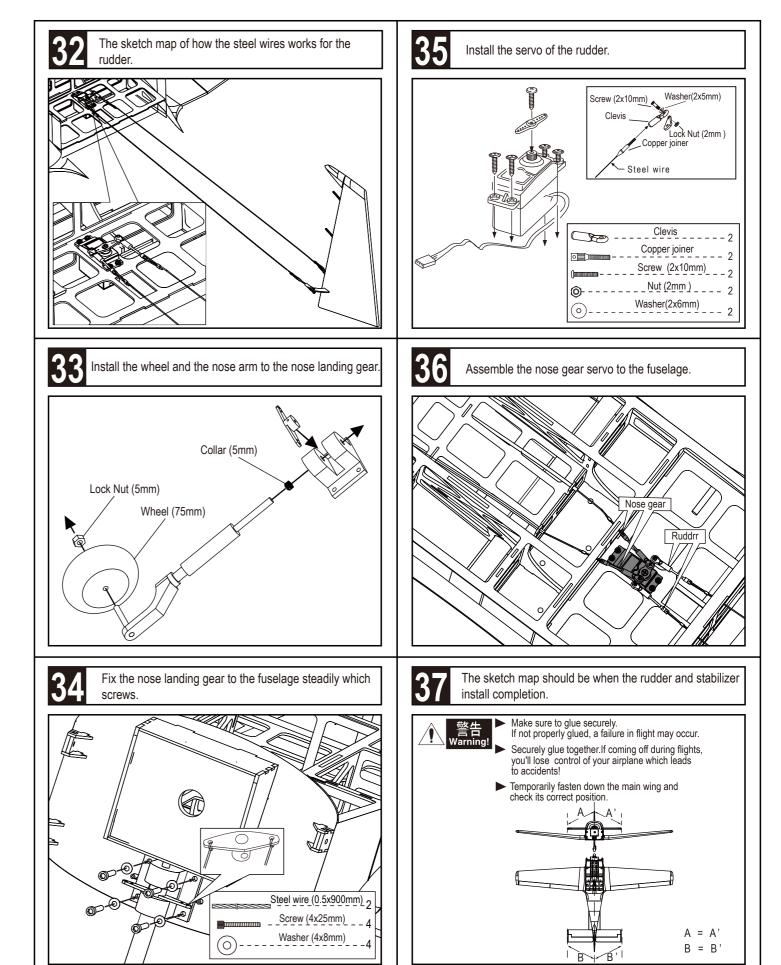


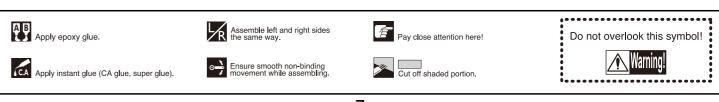












7