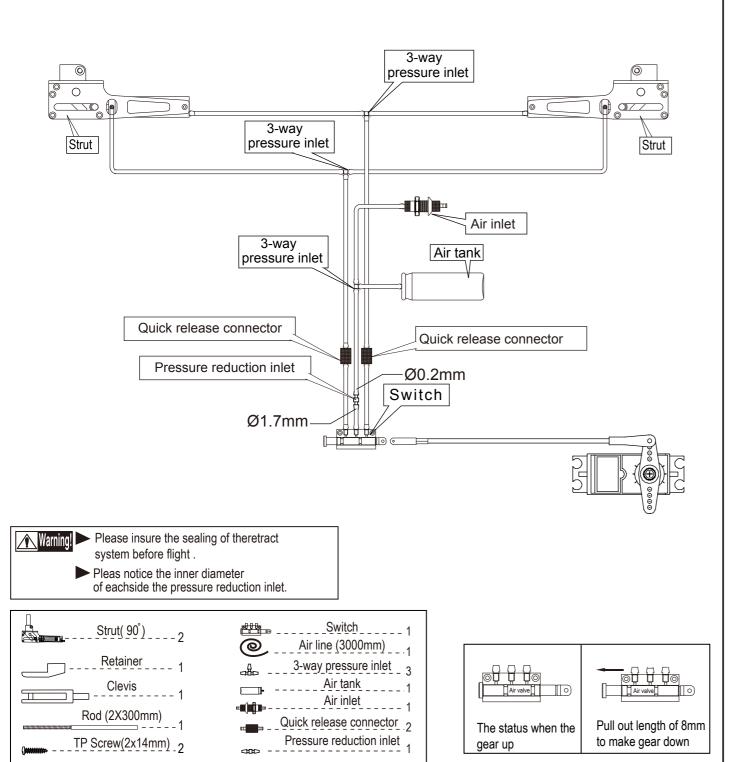
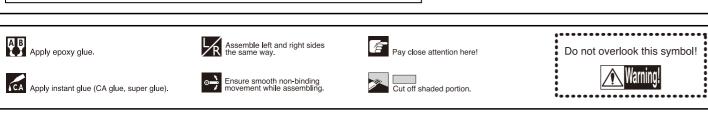
Two wheel retract system

Warning! Make sure to assemble retracts as instructed below.





Before start, please carefully read the explanations!

DOUGLAS SBD-5 DAUNTLESS



Specification:

Length :1400 mm(55")
Wing Span :1800 mm(71")
Wing Area :52.9 sq. dm

5.7 sq. ft

Wing Loading :117.2 g/sq. dm

38.4 oz/sq. ft

Flying Weight :6.2 kg(13.7 lbs)
Radio :6ch& 9 servos
Engine :108 2-cycle

120 4-cycle

INSTRUCTION MANUAL



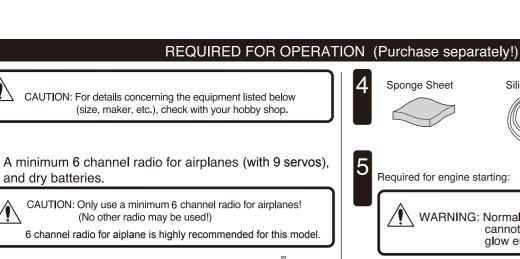
SAFETY PRECAUTIONS

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.



12 AA-size Batteries

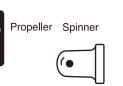
A minimum 6 channel transmitter for airplanes.

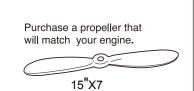


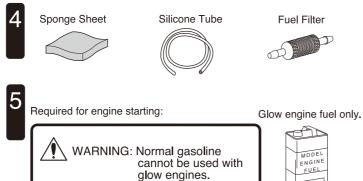
For handling the radio properly, refer to its instruction manual.

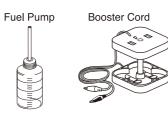


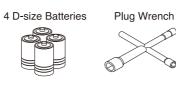












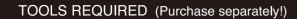


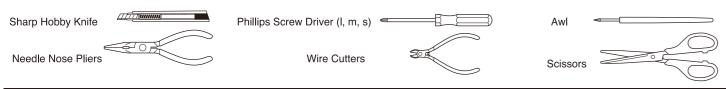




12V Battery (for starter)







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.

(CA glue, super glue).

Drill holes with the specified diameter (2mm). Cut off shade portion.

Cut off excess

movement while assembling.

Pay close attention Ensure smooth non-binding

Assemble left and right sides the same way.

Do not overlook this

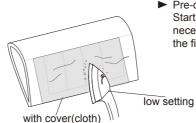
Symbol!

Must be purchased

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.

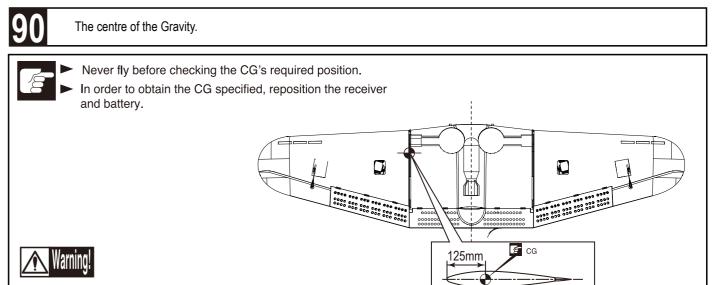
The pre-covered film on ARF kits may wrinkle due to variations of temperature. Smooth out as explained right.

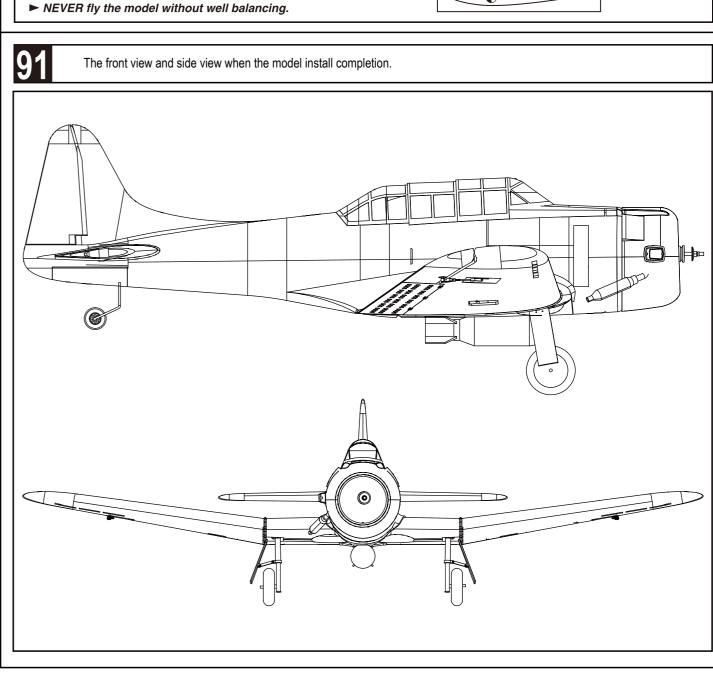


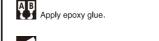
► Pre-cover the covering with clean cloth! Start at low setting. Increase the setting if necessary. If it is too high, you may damage

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

Apply epoxy glue.





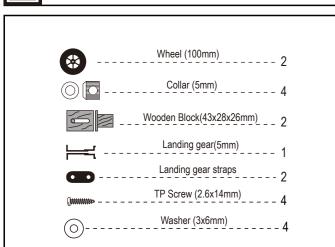




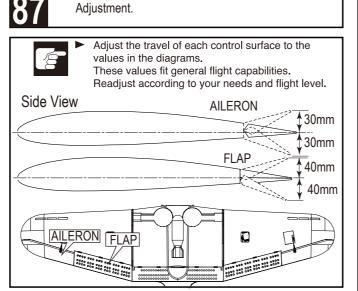


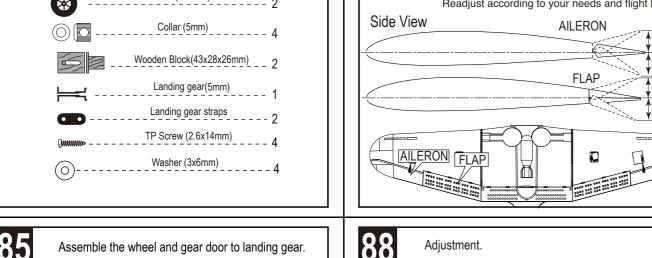
4...... Do not overlook this symbol!

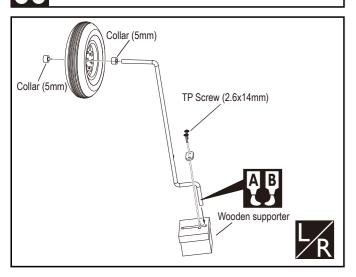


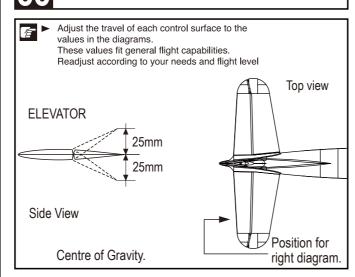


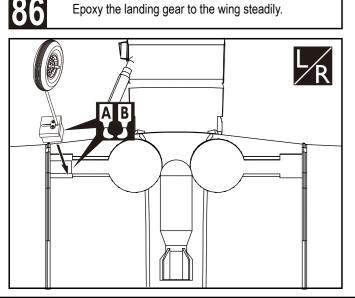
Accessory list for the coming installation steps.

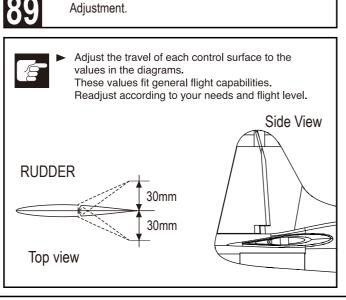


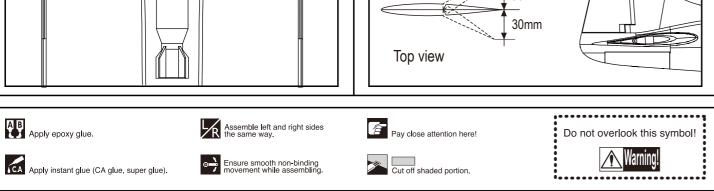


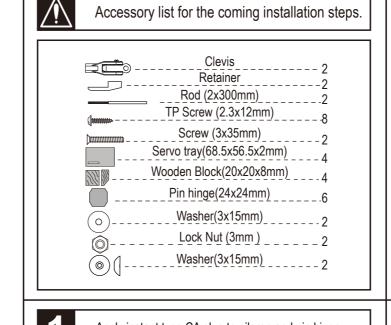


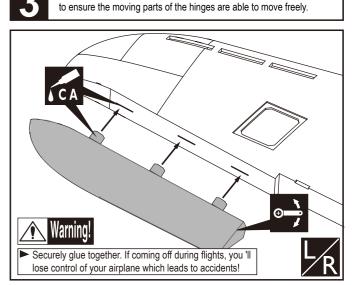




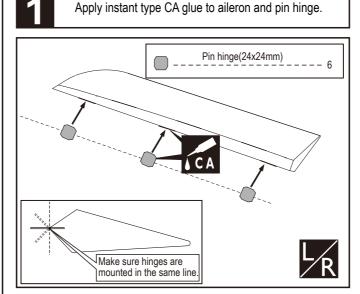


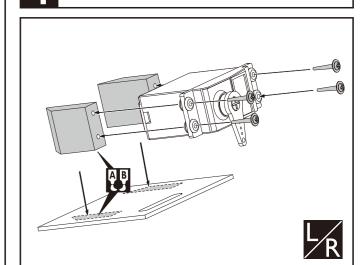




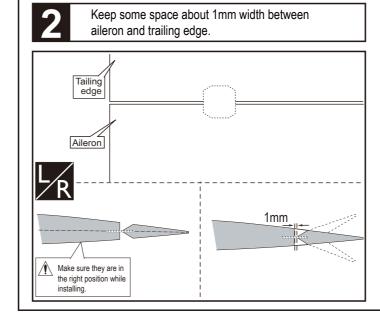


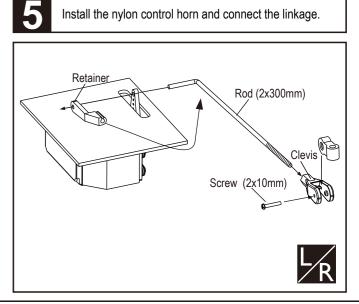
Assemble the aileron to main wing with instant type CA glue. Be careful

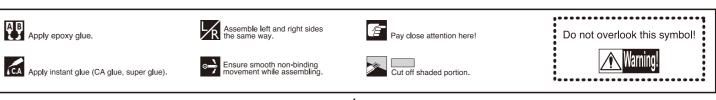


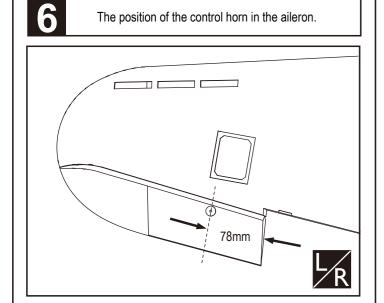


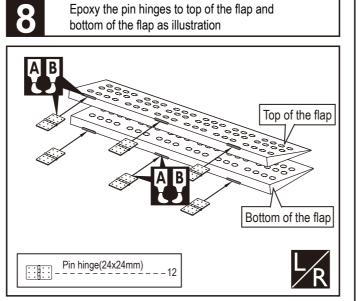
Install the servo as the illustration below

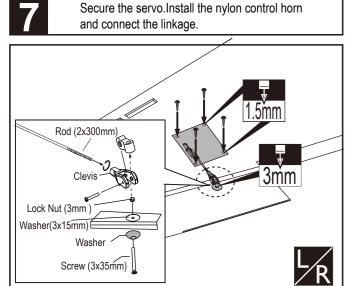


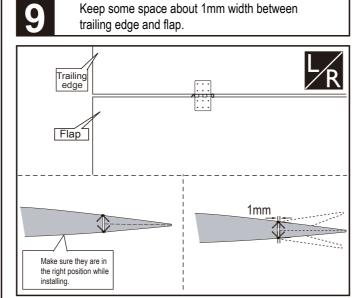




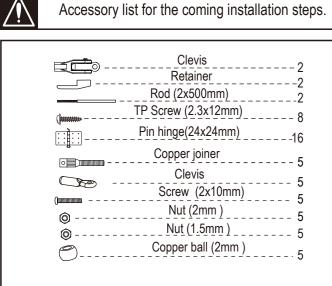


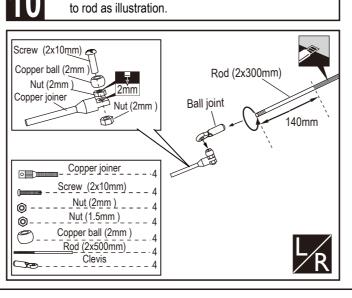


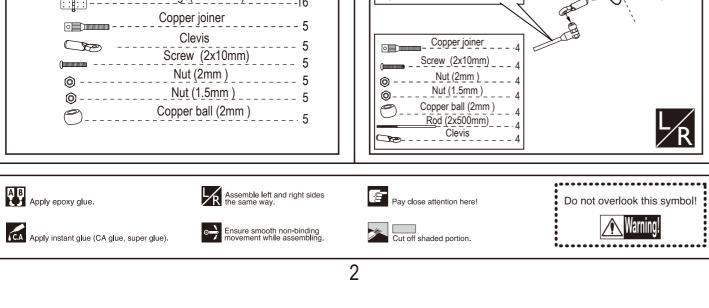


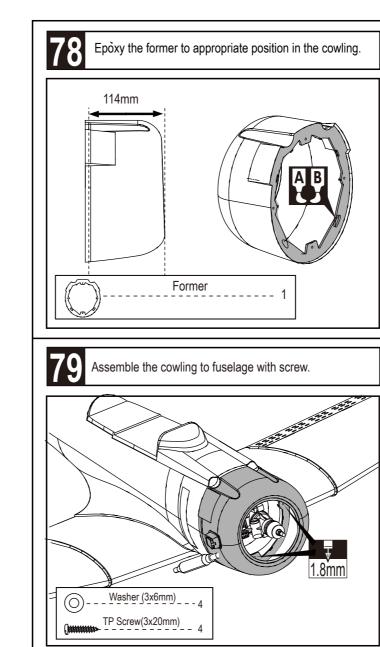


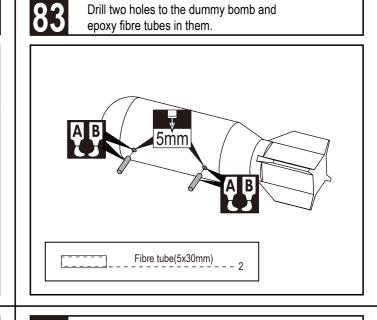
Assemble the copper joiner and link it









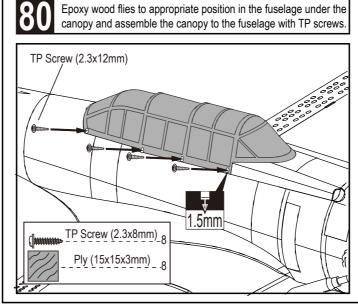


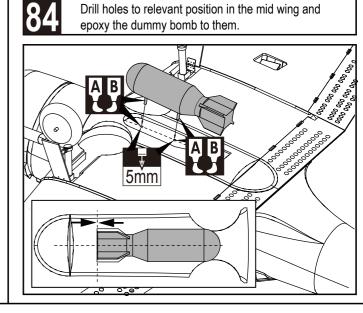
Glue the belly pants to appropriate position in

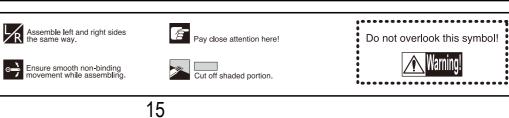
CA

CA

the mid wing with CA glue.

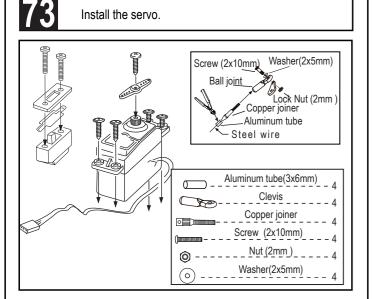


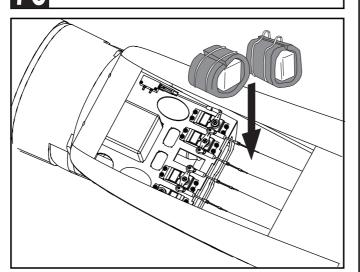




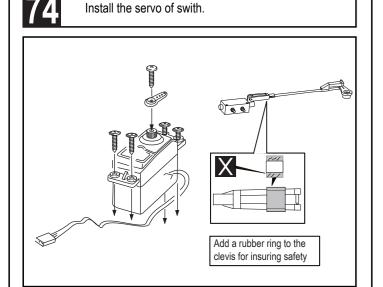
A B Apply epoxy glue.

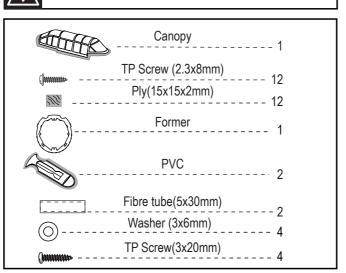
C.A Apply instant glue (CA glue, super glue).



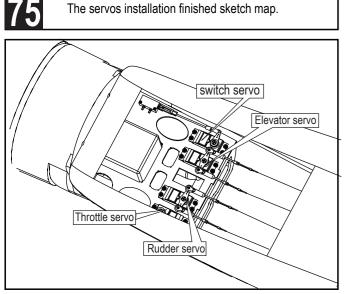


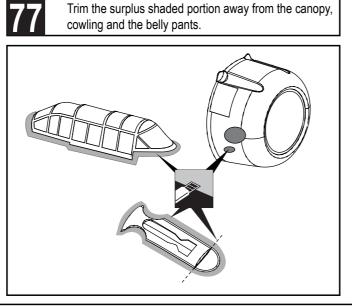
Mount the receiver and battery in the fuselage.

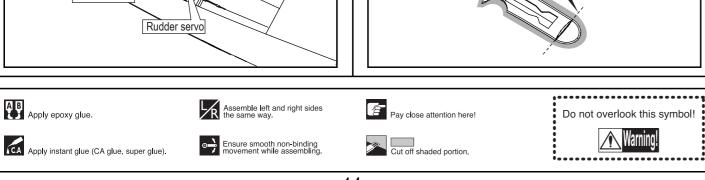


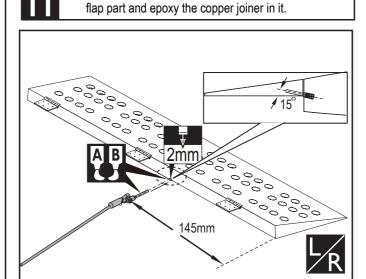


Accessory list for the coming installation steps.

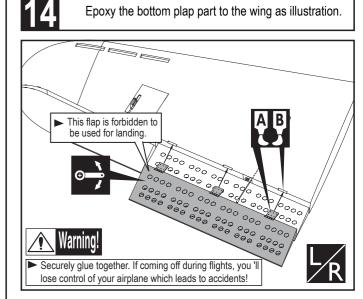


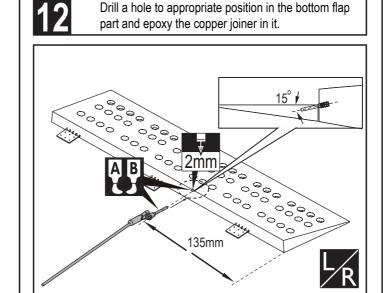


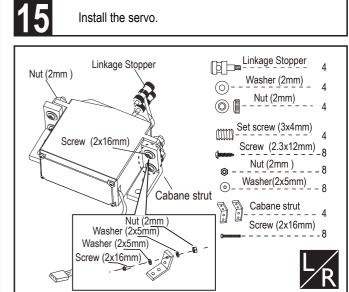


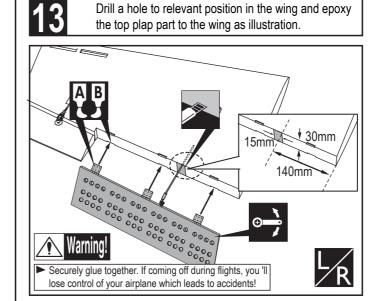


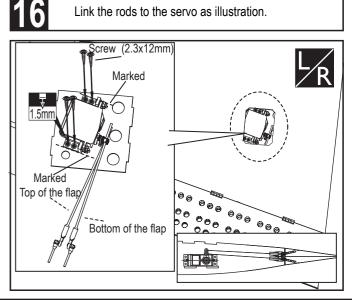
Drill a hole to appropriate position in the top

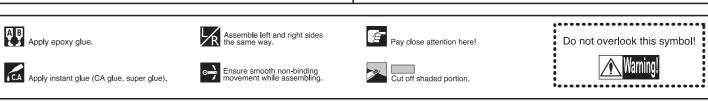


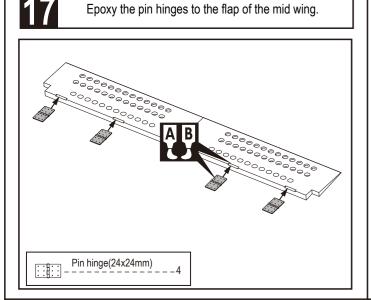


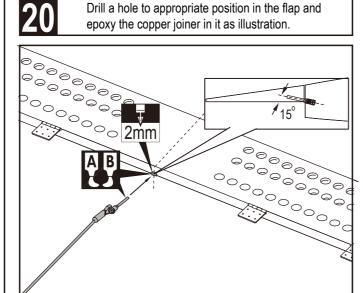


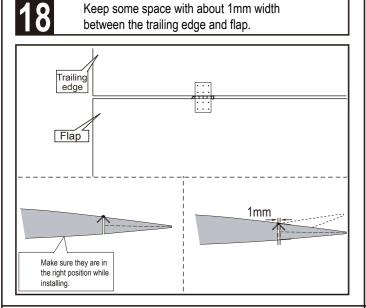


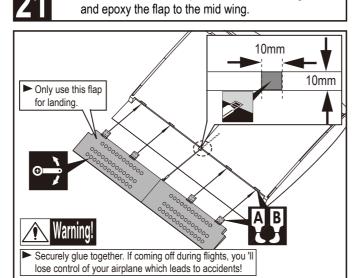




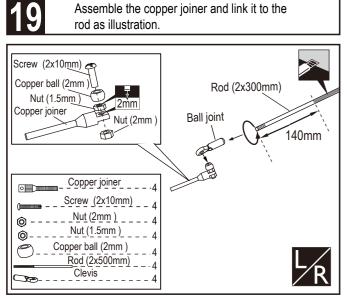


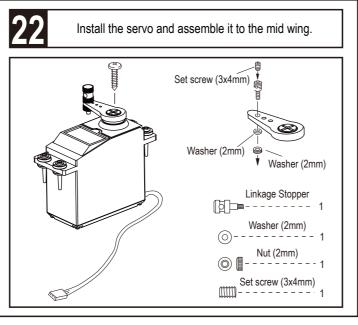


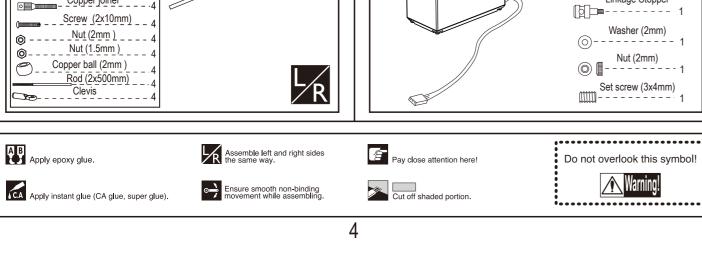


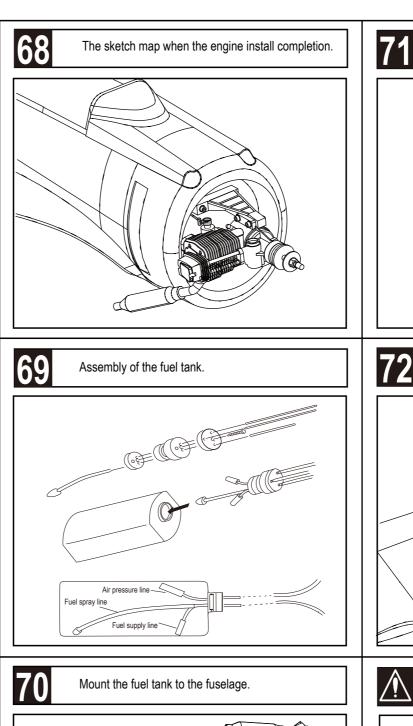


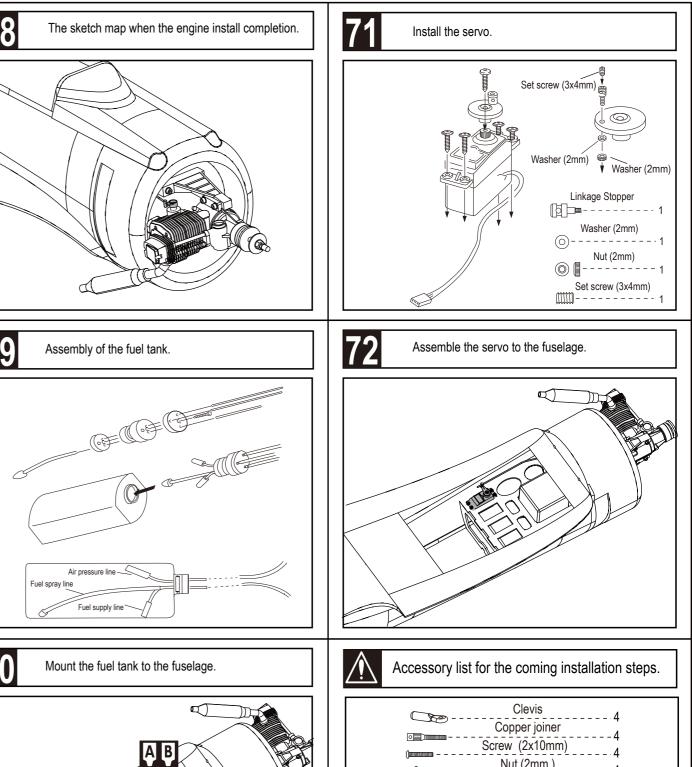
Drill a hole to relevant position in the mid wing

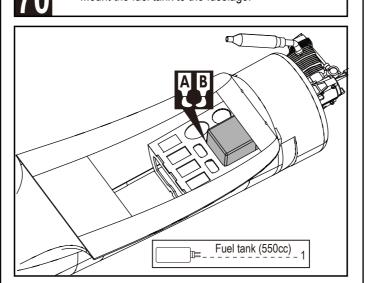


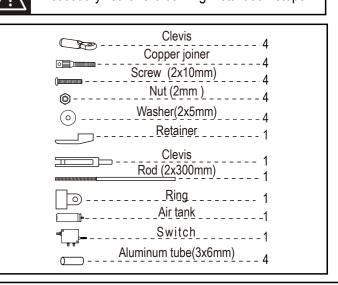


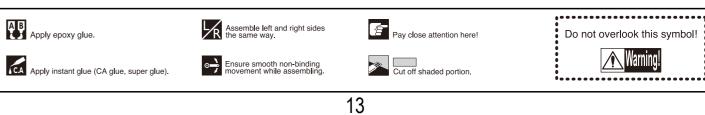


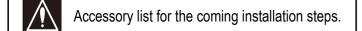


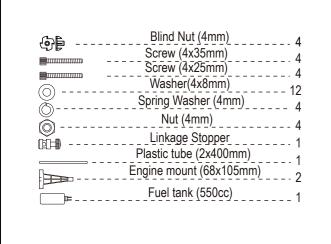




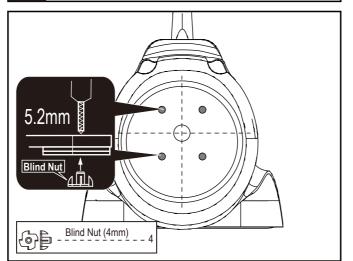




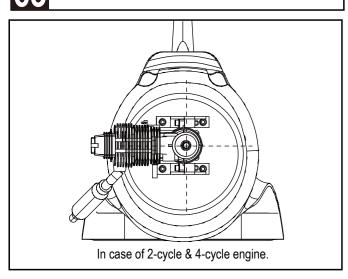


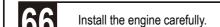


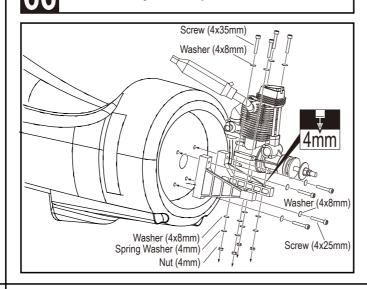




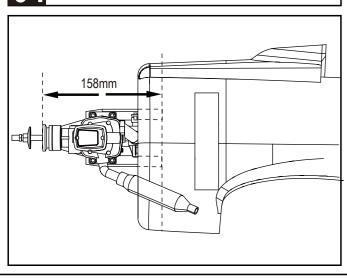
The front view of the engine installation finished.



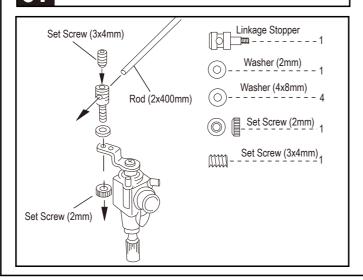




The side sketch map of the engine installation finished.



Assemble the accelerateor push rod to the engine.





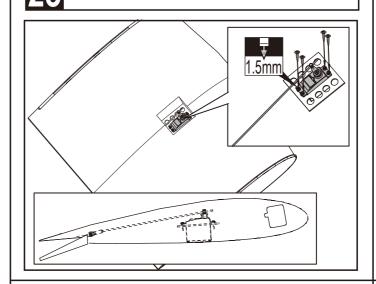
Apply instant glue (CA glue, super glue).



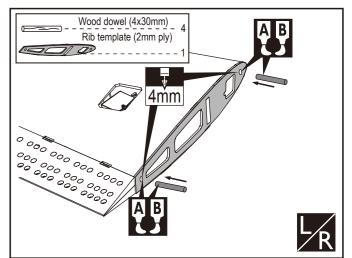




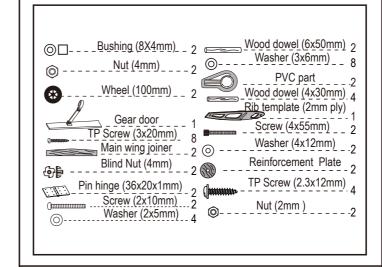
Link the rod to the servo in the mid wing.



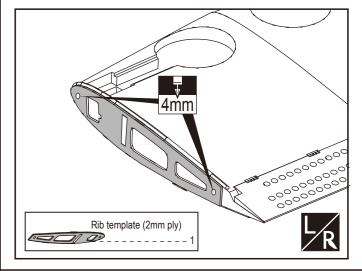
According to the rib template drill holes in the main wing and epoxy wood dowel in them.



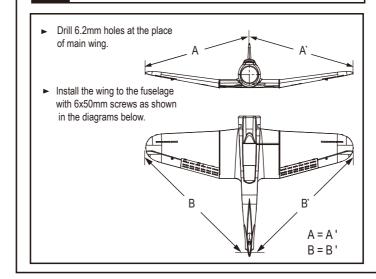
Accessory list for the coming installation steps.



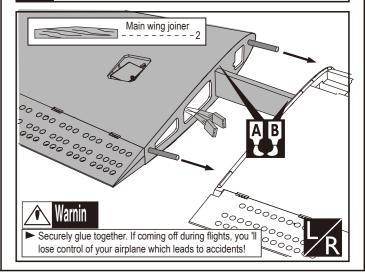
According to the rib template drill holes in the mid wing.



Assemble the wings.

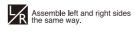


Epoxy the main wing to the mid wing through the main wing joiner.





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

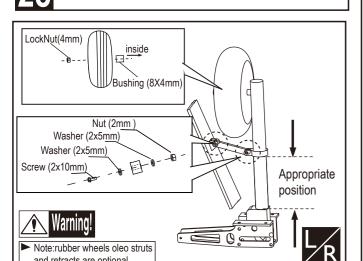


Ensure smooth non-binding movement while assembling.

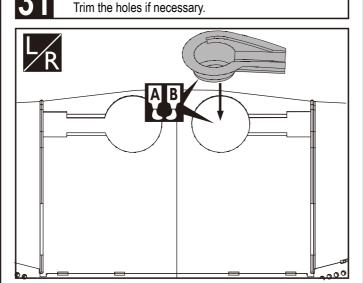


Cut off shaded portion.

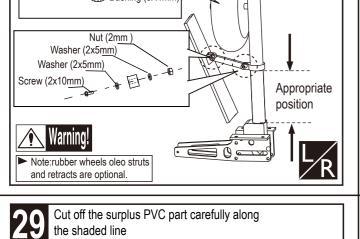


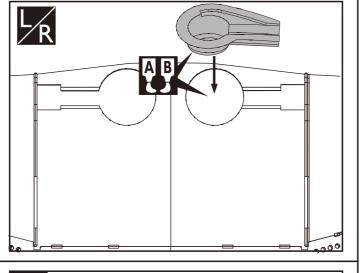


Assemble the wheel and the baffle to the landing gear.

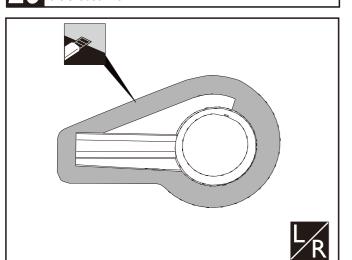


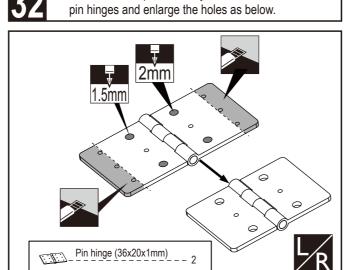
Epoxy the wheel wells to the holes,

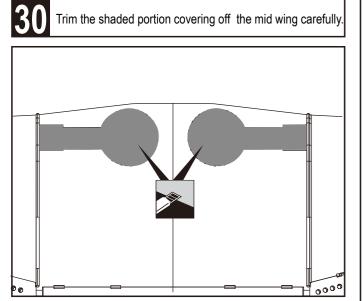




Cut the shaded portion away from the available







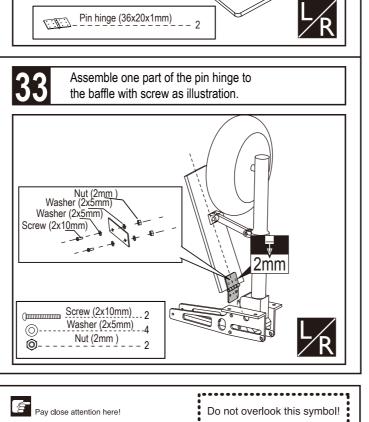
Assemble left and right sides the same way.

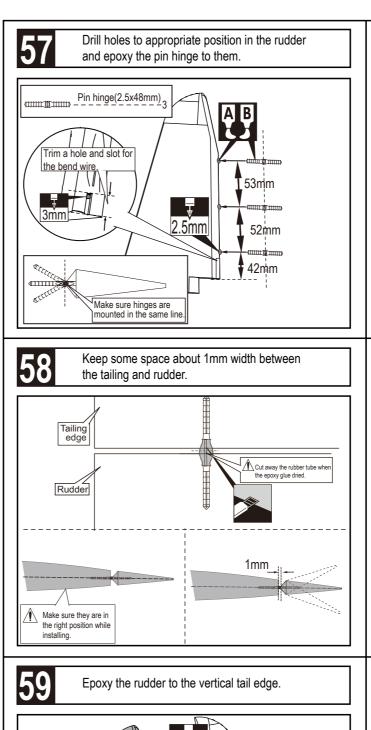
Ensure smooth non-binding movement while assembling.

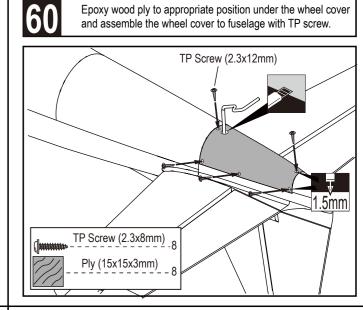
Cut off shaded portion.

Apply epoxy glue.

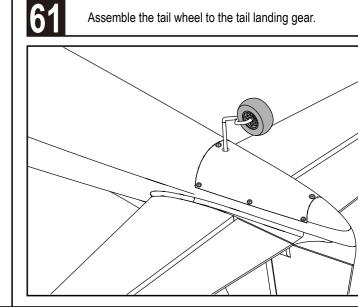
C.A Apply instant glue (CA glue, super glue).

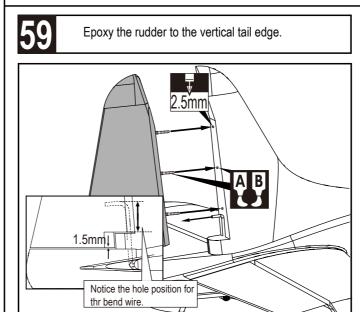


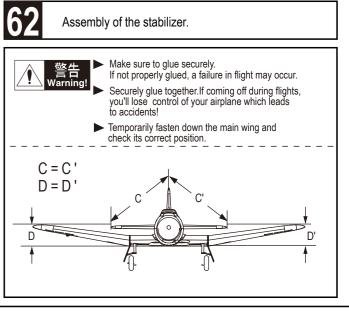


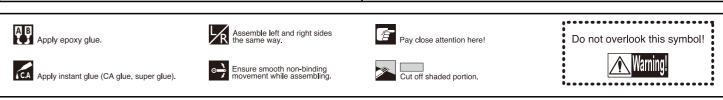


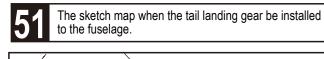
Epoxy wood ply to appropriate position under the wheel cover

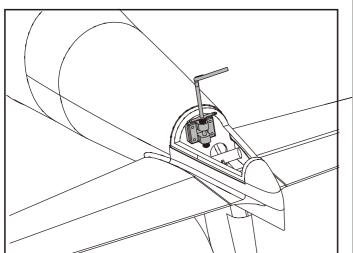


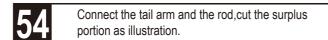


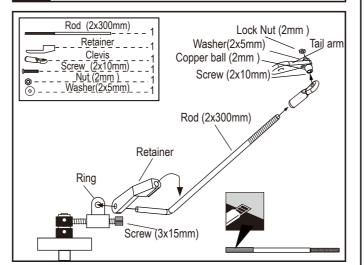




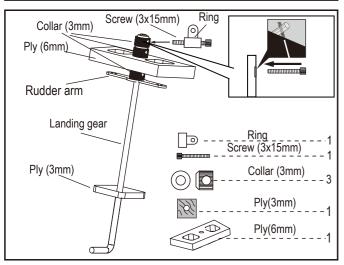




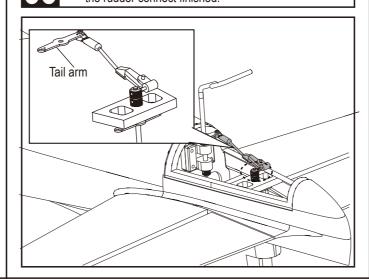




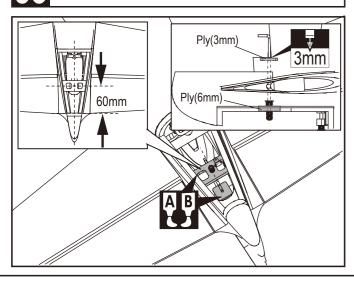
Install the rudder arm and the wood plies to appropriate position on the wire.



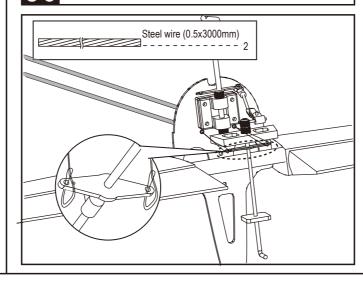
The sketch map when the arm for the tail wheel and the rudder connect finished.



53 Epoxy the plies to appropriate position in the fuselage.



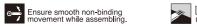
Assemble the steel wire to the arm for the rudder.



Apply epoxy glue.

Apply instant glue (CA glue, super glue).

Assemble left and right sides the same way.

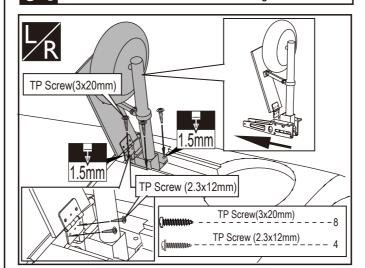


10

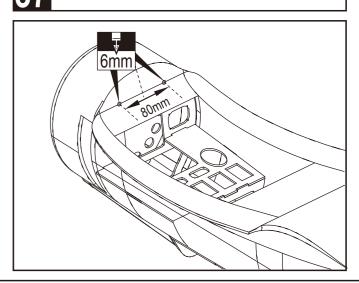
Pay close attention here!



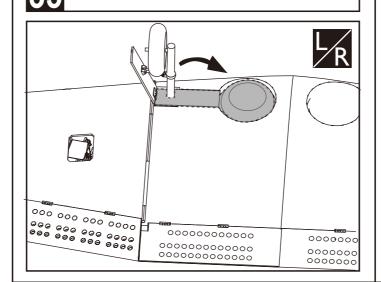
Assemble another part of the pin hinge to the mid wing and assemble the retract to the mid wing with screw.



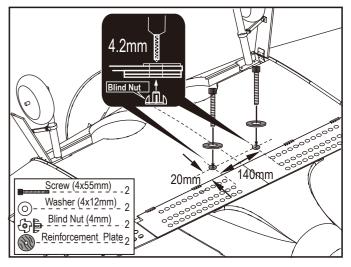
37 Drill holes to relevant position in the fuselage.



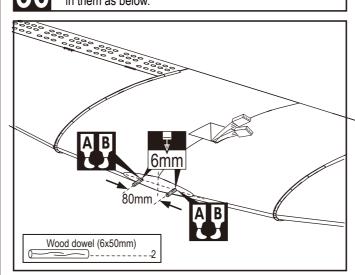
The sketch maps when the retract up and down.



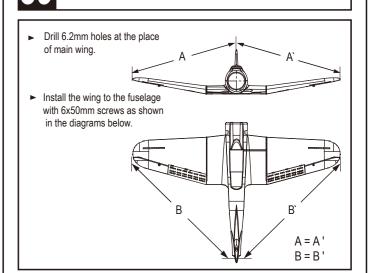
Assemble the wings to the fuselage with screw and blind nut as below.

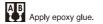


Drill holes in the wings and set the wood dowels in them as below.

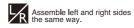


Assemble the wings.





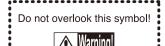
C.A Apply instant glue (CA glue, super glue).



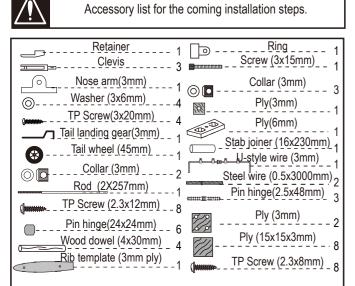


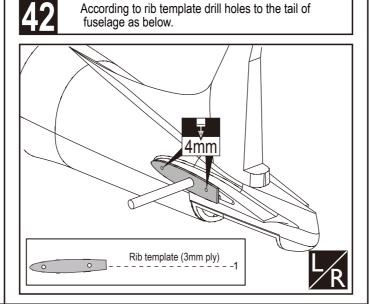
Pay close attention here!

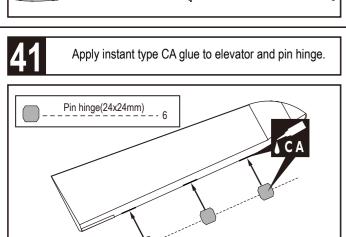




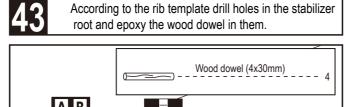
 \overline{i}

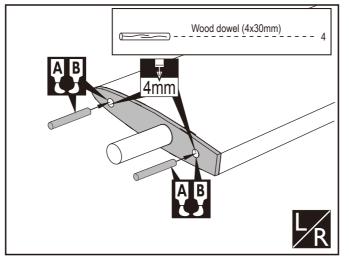


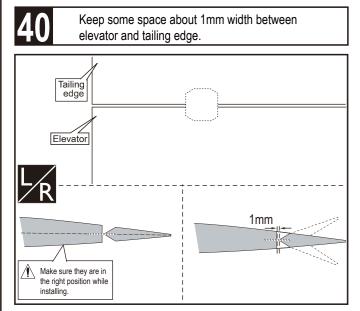


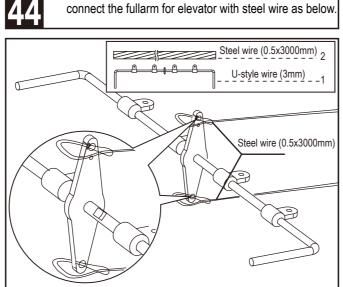


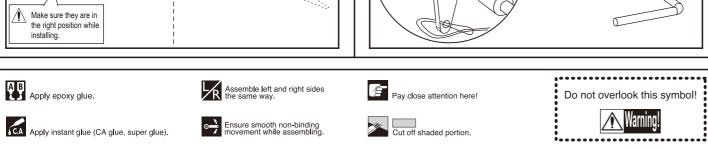
Make sure hinges are mounted in the same line



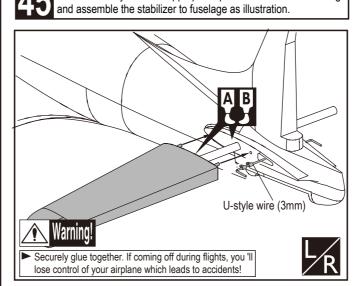




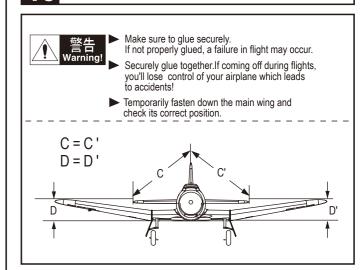




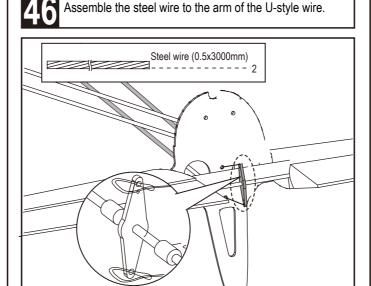
 $\frac{L}{R}$

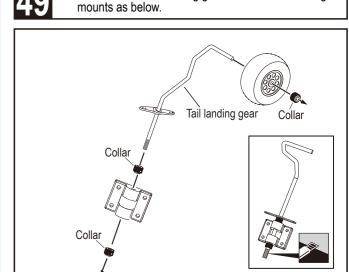


Install the U-style wire to appropriate position in the tail of fuselage

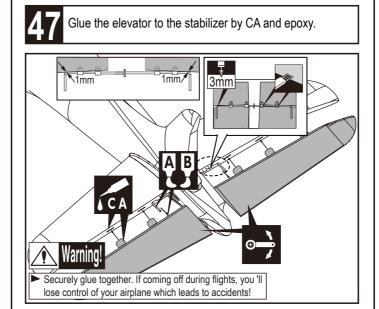


Assembly of the stabilizer.



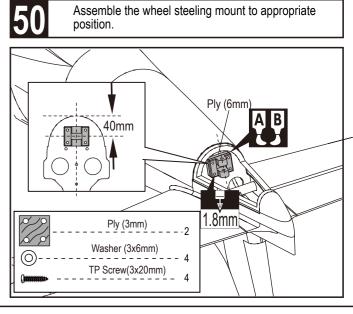


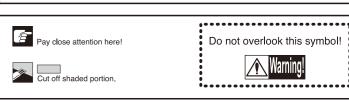
Assemble the tail landing gear to the wheel steeling



Assemble left and right sides

Ensure smooth non-binding movement while assembling





9

A B Apply epoxy glue

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