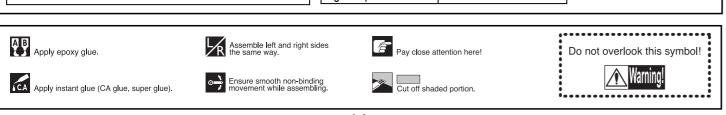


Two wheel retract system Make sure to assemble retracts as instructed below. 3-way pressure inlet 3-way Strut pressure inlet Strut 3-wav Air tank pressure inlet Quick release connector Quick release connector Pressure reduction inlet Ø0.2mm Switch ıØ1.7mm⋅ Warning Please insure the sealing of theretract system before flight. ► Pleas notice the inner diameter _ _ Strut(90°)_ _ _ 2 Air line (3000mm) _ _1 _Retainer_ _ _ 1 3-way pressure inlet_3 ____A<u>ir tank</u>____1 Clevis ____ 1 ___ Air inlet _ _ _ . 1 Rod (2X300mm) Quick release connector 2 Pull out length of 8mm The status when the Pressure reduction inlet _TP_Screw(2x14mm)_ 2 to make gear down gear up



Before start, please carefully read the explanations!

50cc SPITFIRE



Specifications:

Length: 1935mm(76.2")
Wing span: 2260mm(89")
Wing area: 93sg.dm(10sq.ft)

Wing loading: 108.6g/sg.dm(35.6oz/sg.ft)

Flying weight: 10.1kg(22.2lbs)
Radio: 6ch & 8servos
Engine: 50cc gas engine

INSTRUCTION MANUAL



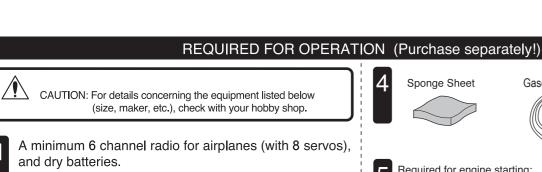
SAFETY PRECAUTIONS

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.

12 AA-size Batteries

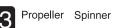
A minimum 6 channel transmitter for airplanes.



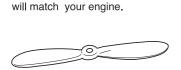
For handling the radio properly, refer to its instruction manual.







4.75 in Spinner



22"X8-10

Purchase a propeller that





Required for engine starting: WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump **Booster Cord**



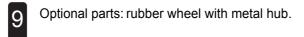




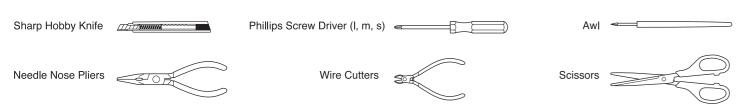








TOOLS REQUIRED (Purchase separately!)



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:
- We strongly recommen you use the thread lock for all the screws when you build your model.



Apply epoxy glue. Apply instant glue

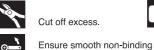
(CA glue, super glue)



Cut off shade portion.



Drill holes with the specified diameter (2mm).



movement while assembling.



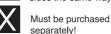
Pay close attention



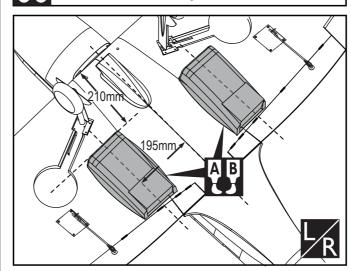
Assemble left and right sides the same way

Do not overlook this

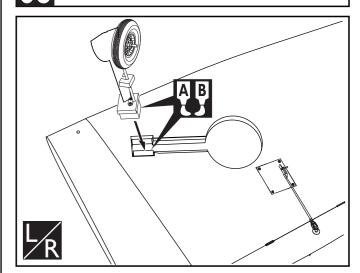
Symbol!

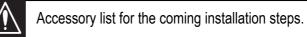


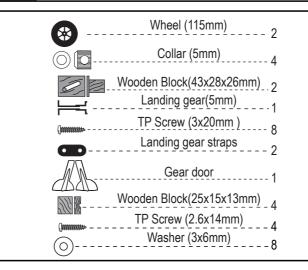
Epoxy the fiber deconations to aprropriate position on the bottom of the wing.

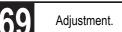


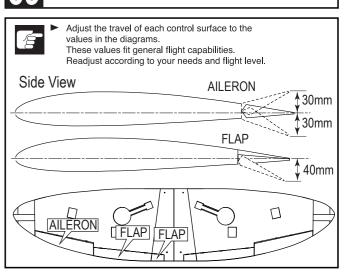
68 Epoxy the landing gear to the wing steadily.

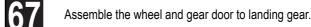


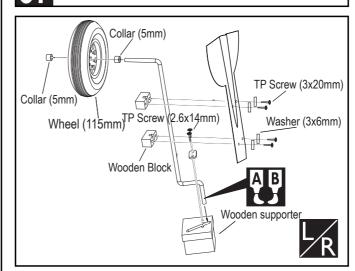




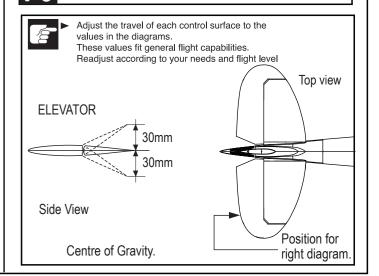








Adjustment.





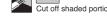
C.A Apply instant glue (CA glue, super glue).

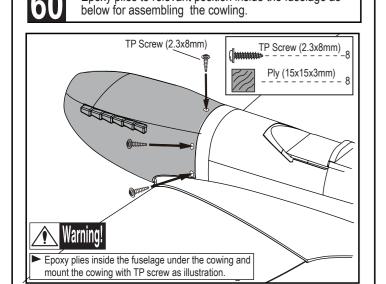
Assemble left and right sides the same way.



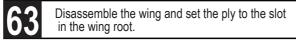
Do not overlook this symbol!

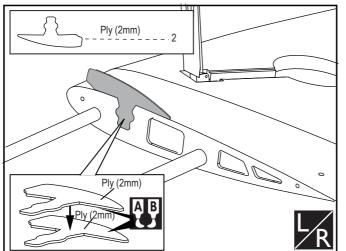
,....



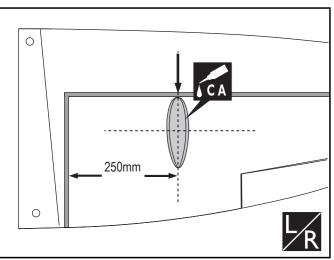


Epoxy plies to relevant position inside the fuselage as

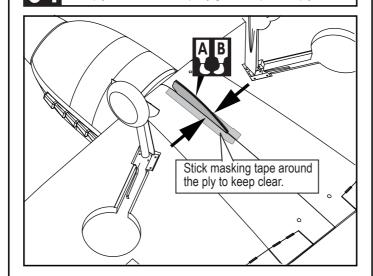




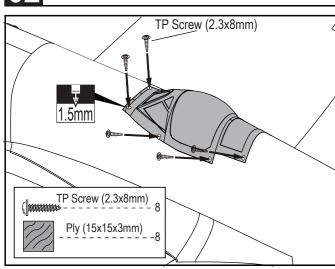
Epoxy the PVC decoration parts to the appropriate position on the wing as illustration.



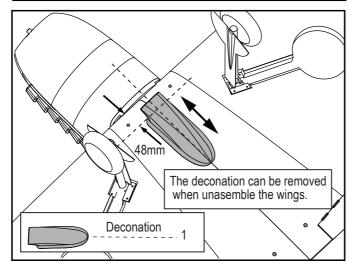
Assemble the wings together, stick masking tape around the ply and add some epoxy glue to top of the ply.



Epoxy plies inside the fuselage under the cowing and mount the cowing with TP screw as illustration.

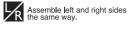


Assemble the air intake deconation to appropriate position on the ply and wait until the glue dry.



Apply epoxy glue.

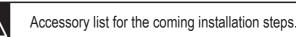
Apply instant glue (CA glue, super glue).

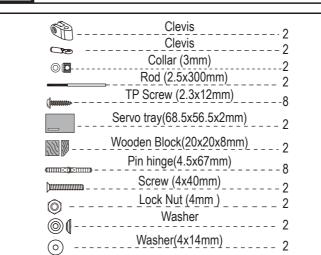




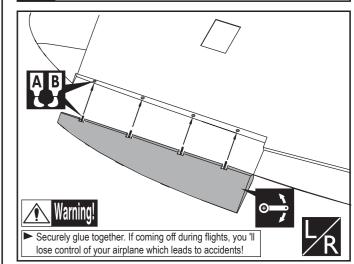




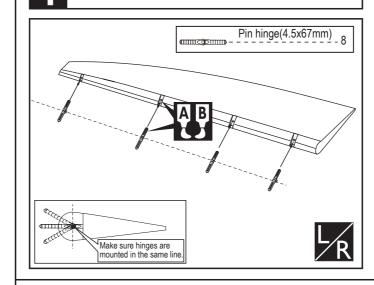




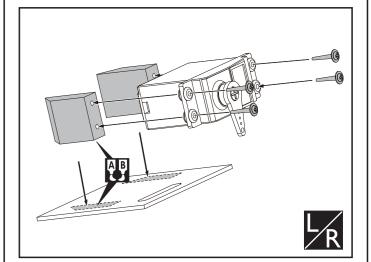
Assemble the aileron to main wing with instant type AB glue. Be careful to ensure the moving parts of the hinges are able to move freely.



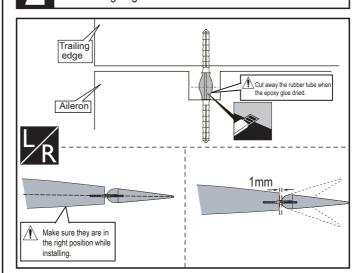
Apply instant AB glue to aileron and pin hinge.



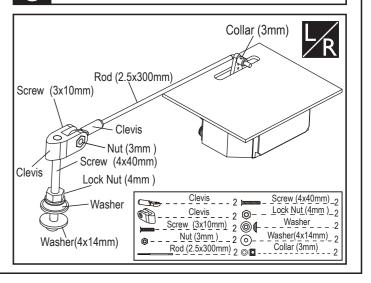
Install the servo as the illustration below



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

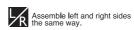


Install the nylon control horn and connect the linkage.





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



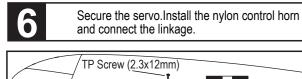
Ensure smooth non-binding movement while assembling.

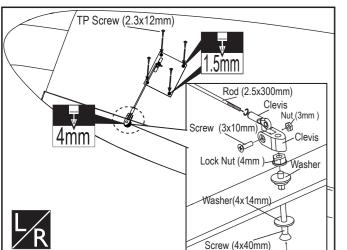


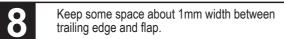


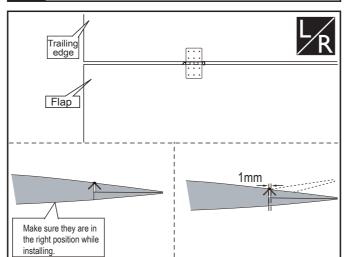


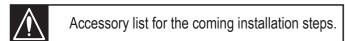
12

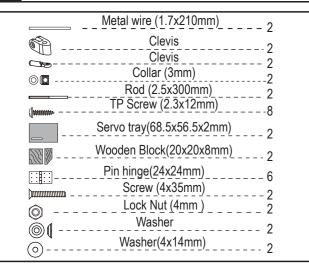


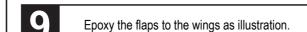


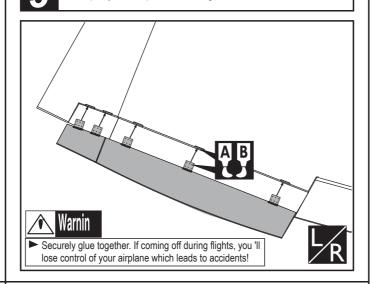


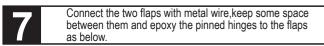


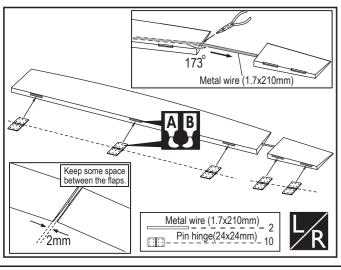












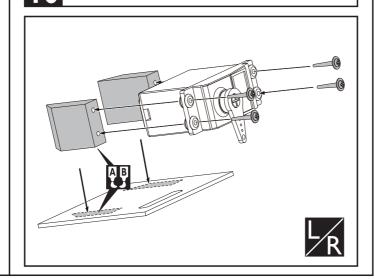
Assemble left and right sides the same way

Ensure smooth non-binding movement while assembling

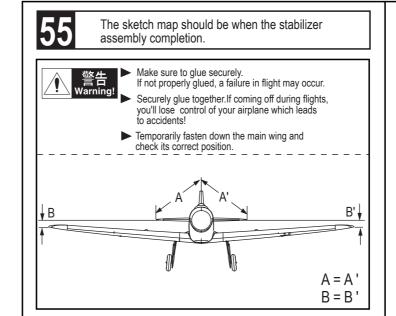
A B Apply epoxy glue

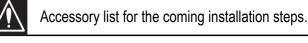
Apply instant glue (CA glue, super glue).

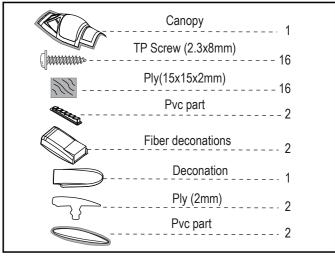
10 Install the servo as the illustration below

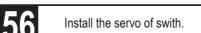


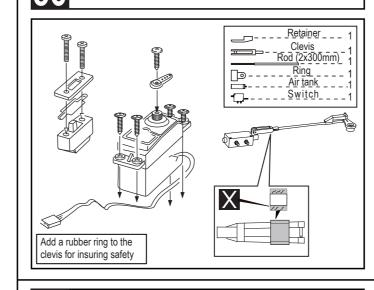




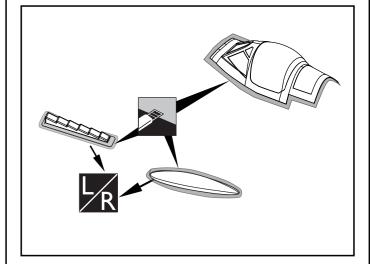




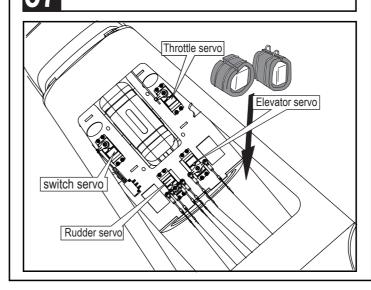




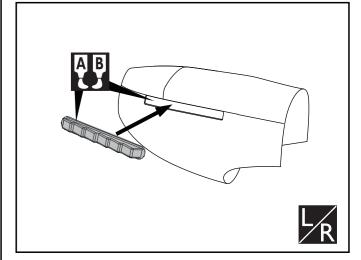
Cut off the surplus part from the cowling, exhausts and canopy carefully.

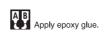






Epoxy the exhaust the the cowling as figure.







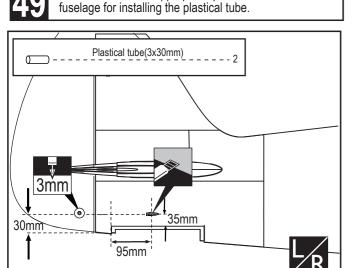
Ensure smooth non-binding movement while assembling



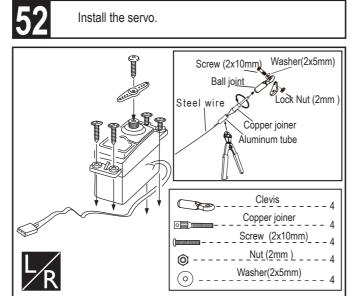
11

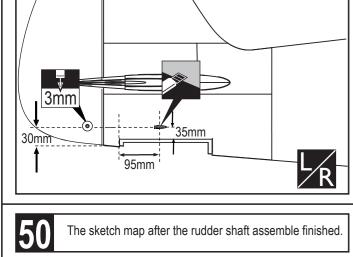


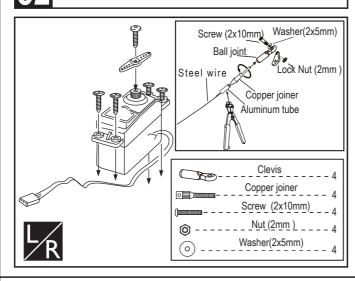
ortion. Apply instant glue (CA glue, super glue).

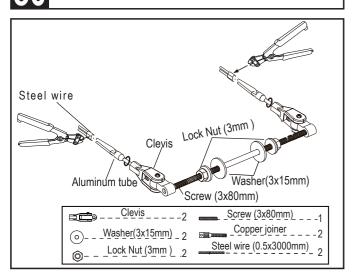


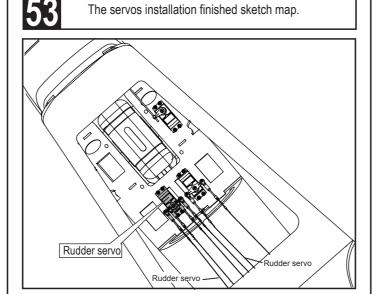
Drill a small hole to appropriate possition in the

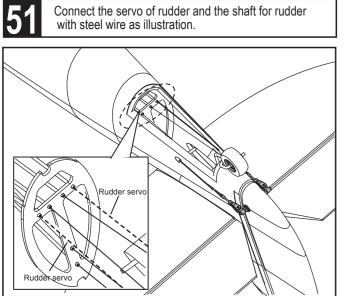


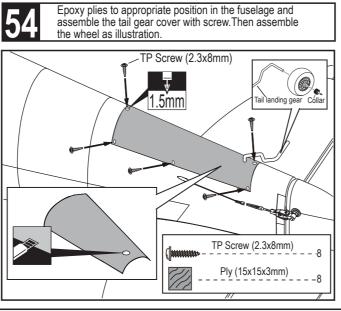


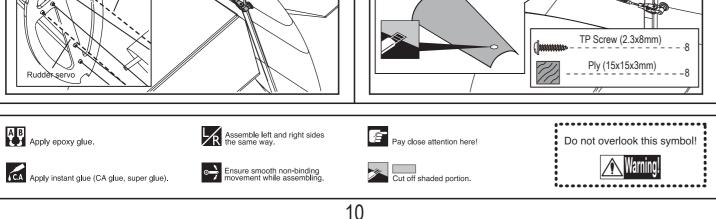


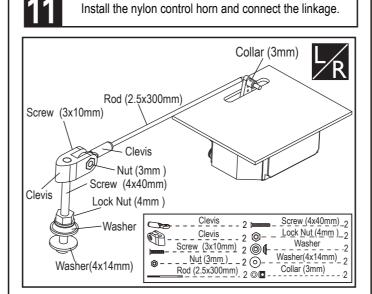


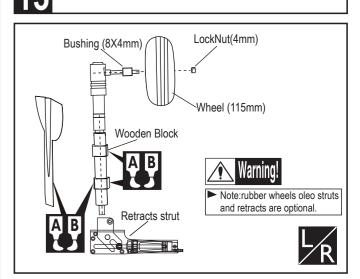






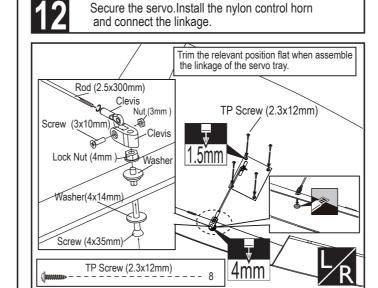


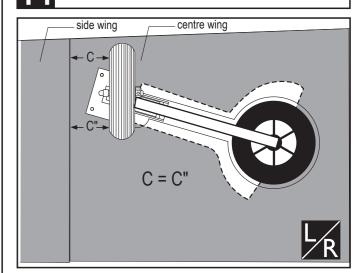


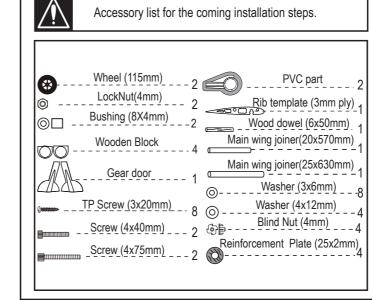


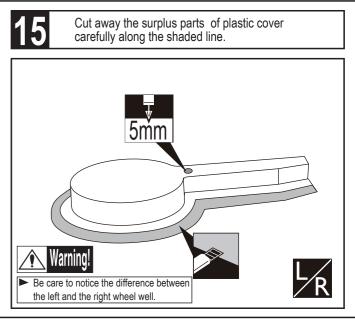
The sketch maps when the retract up and down.

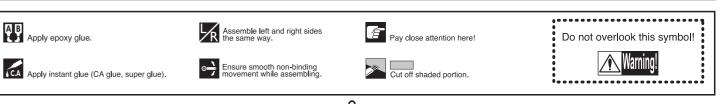
Mount the gear door and the wheel to the retract.



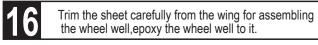


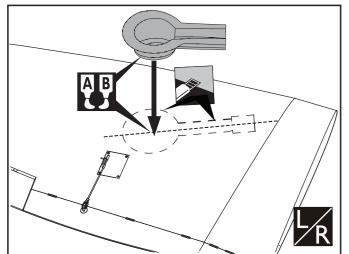


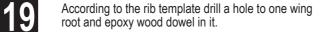


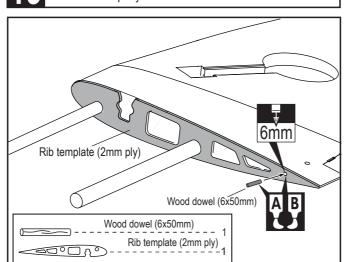


Apply epoxy glue.

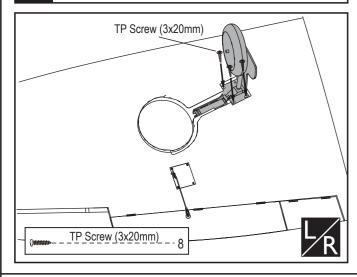




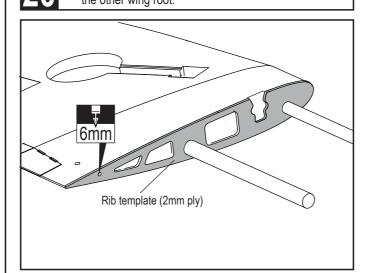




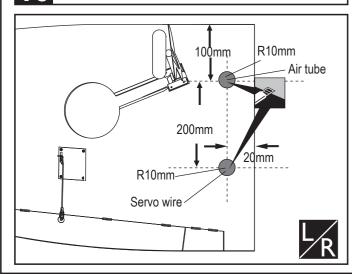
Assemble the retracts to the appropriate position in the gear house.



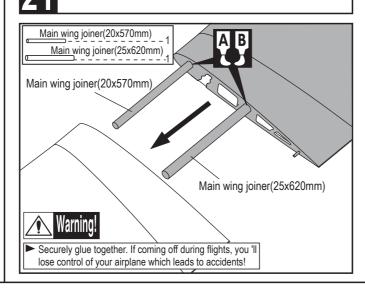
According to the rib template drill a hole in the other wing root.



Trim holes in the appropriate position in the wing and drag the servo wire and the air tube out.



Connect the two wings with main wing joiners.



Apply epoxy glue.

Apply instant glue (CA glue, super glue).

Assemble left and right sides the same way.

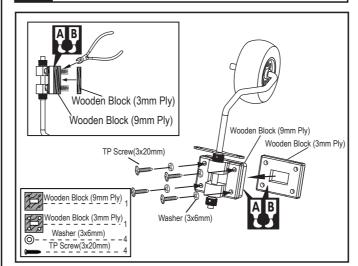




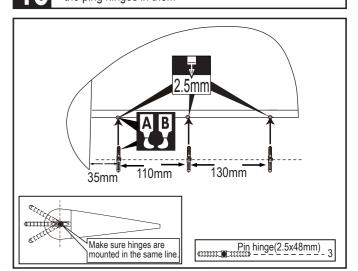
Pay close attention here!

Do not overlook this symbol!

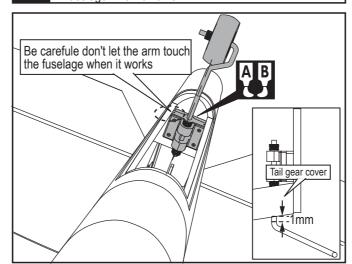
Assemble the wheel mount to the thick wooden block with screw,cut the surplus parts and epoxy the thinner wooden block to it as illustration.



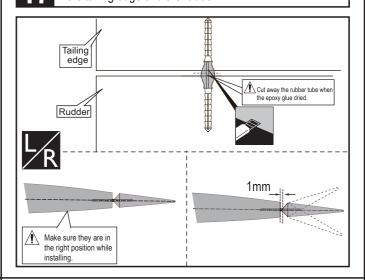
Drill holes to appropriate position in the rudder and epoxy the ping hinges in them



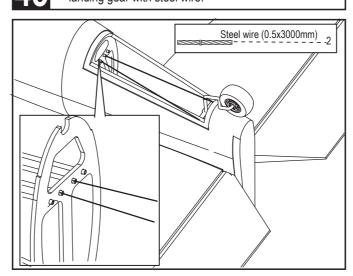
Epoxy the the whole wheel mount set to the form in the fuselage and be carefule don't let the arm touch the fuselage when it works



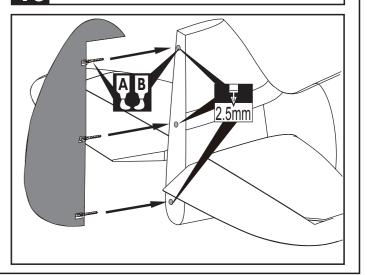
Keep some space about 1mm width between the tailing edge and the rudder.



Connect the servo of rudder and the arm of tail landing gear with steel wire.



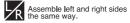
Drill holes to the relevant position in the tailing edge and epoxy the rudder to them.





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





Ensure smooth non-binding movement while assembling.



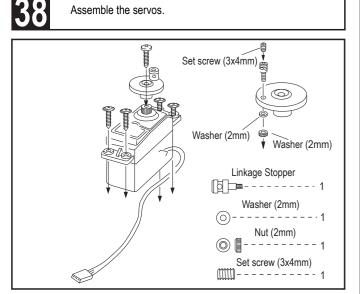
Pay close attention here!

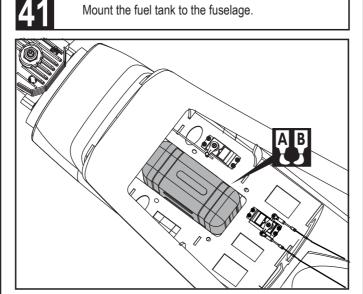


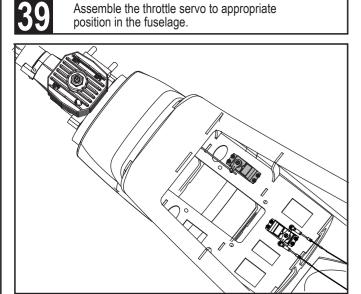
Cut off shaded portion.

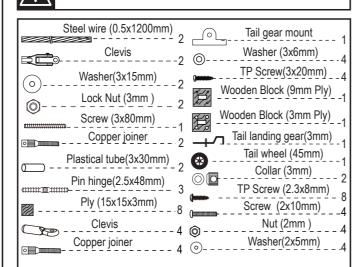


9

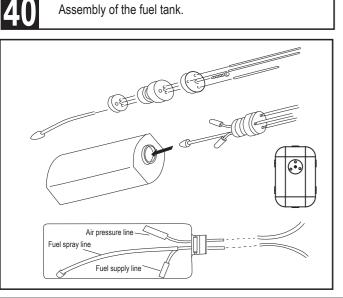


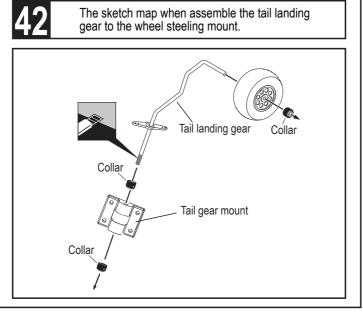


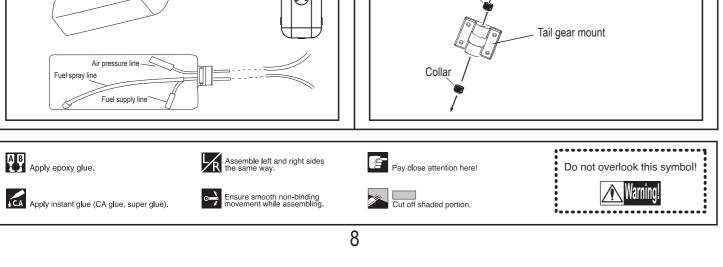


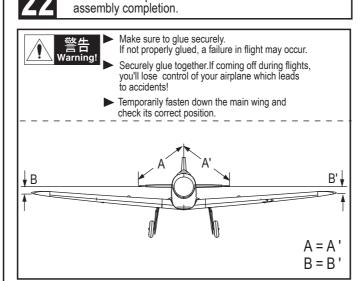


Accessory list for the coming installation steps.

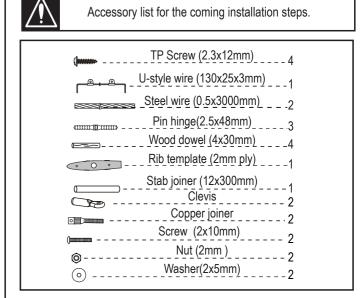


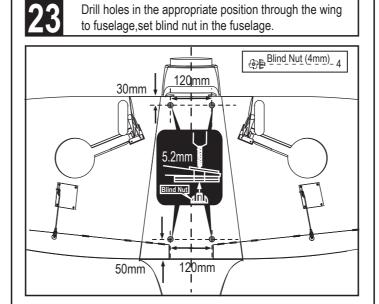


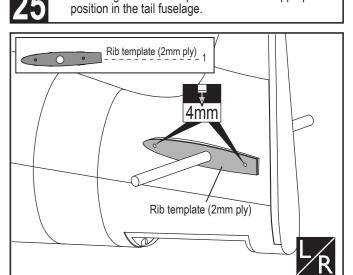




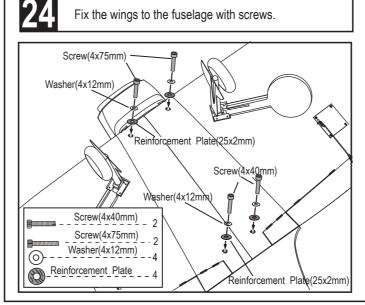
The sketch map should be when the stabilizer

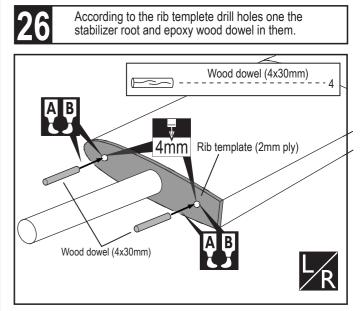






According to the rib templete drill holes to appropriate

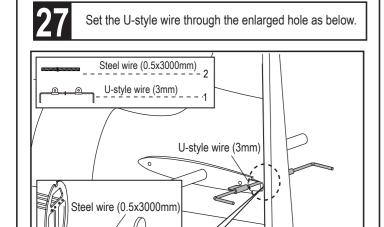


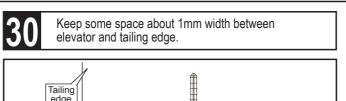


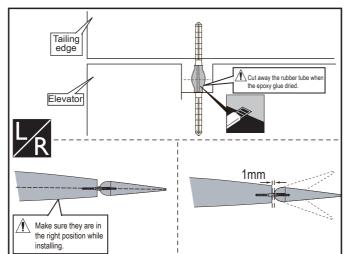


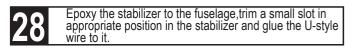
Apply epoxy glue.

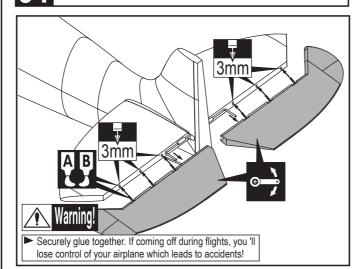
C.A Apply instant glue (CA glue, super glue).



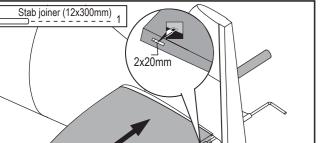








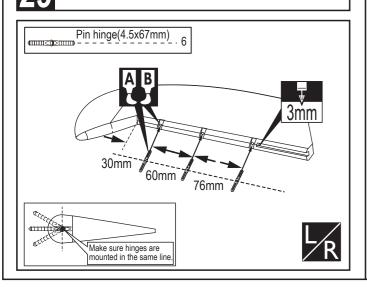
Epoxy the elevator to the stabilizer.



20 Apply instant type AB glue to elevator and pin hinge.

Securely glue together. If coming off during flights, you 'll

lose control of your airplane which leads to accidents!



Apply epoxy glue.

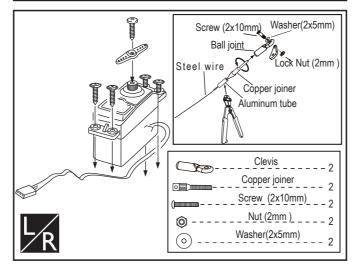
C.A Apply instant glue (CA glue, super glue).



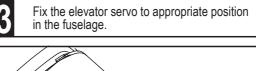
L/R

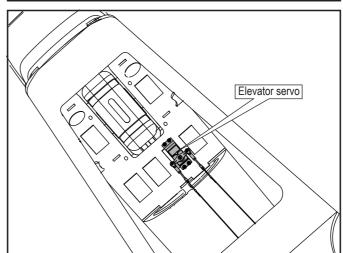
Assemble left and right sides the same way.

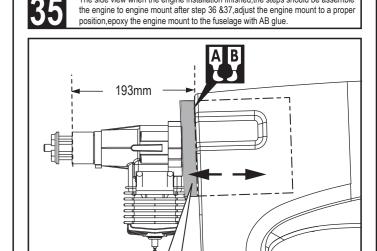
Ensure smooth non-binding movement while assembling.



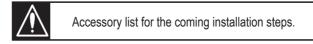


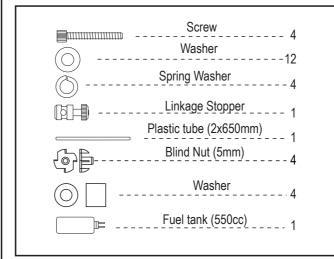






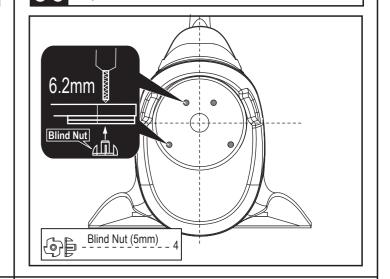
The side view when the engine installation finished, the steps should be assemble

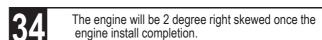


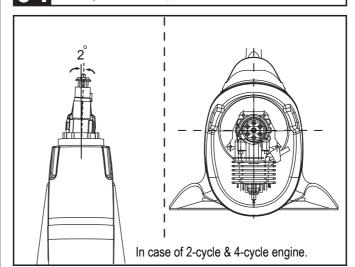


Drill 4 holes in appropriate position in the movable cylinder and set blind nut in them.

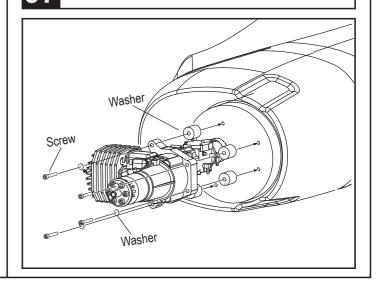
Engine mount is a movable cylinder



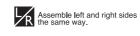




37 Assemble the engine.







Ensure smooth non-binding movement while assembling.



