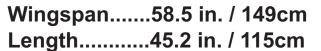
# RADIO CONTROL MODEL

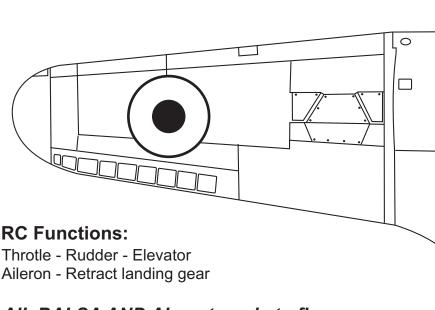
# HURRICANE

## **SPECIFICATIONS**



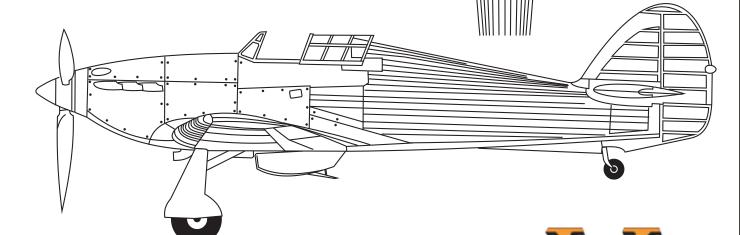
Engine......40~46 2T / 52~70 4T

Or Electric equivalent.



AIL BALSA AND Almost ready to fly

# INSTRUCTION MANUAL

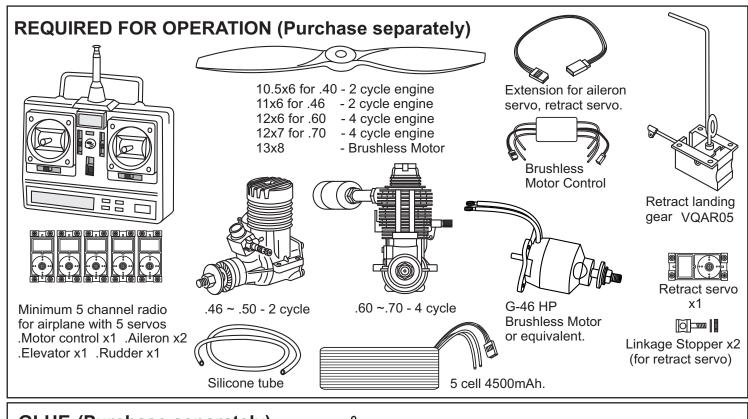


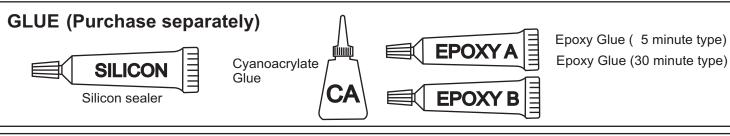
#### **WARNING!**

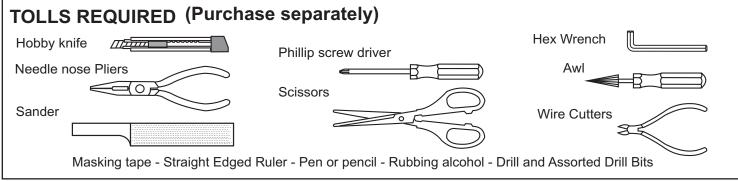
This radio control model is not a toy. If modified or flow carelessly it could go out of control and cause serious bodily injury or property damage.

Before flying your airplane, ensure the air field is spacious enough.

Always fly it outdoors in safe areas with no debris or obstacles.

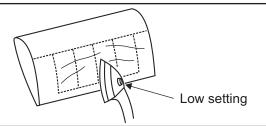






The pre-covered film on ARF kit may wrinkle due to variations of temperature. Smooth out as explained right.

\* Use an iron or heat gun. Start as low setting. Increase the setting if necsessary. If it is too high, you may damage the film



Symbols used throughout this instruction manual, comprise:



Drill holes using the stated 1.5mm size of drill (in this case 1.5 mm Ø)



Take particular care here



Hatched-in areas: remove covering film carefully



Check during assembly that these parts move freely, without binding

Use epoxy glue



Apply cyano glue

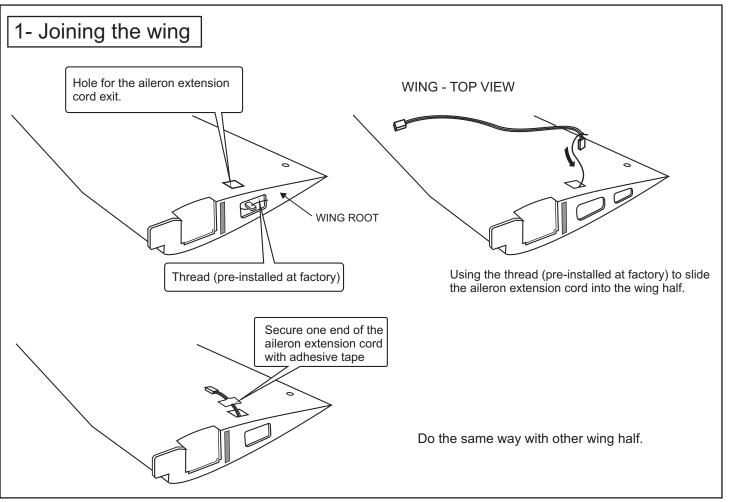


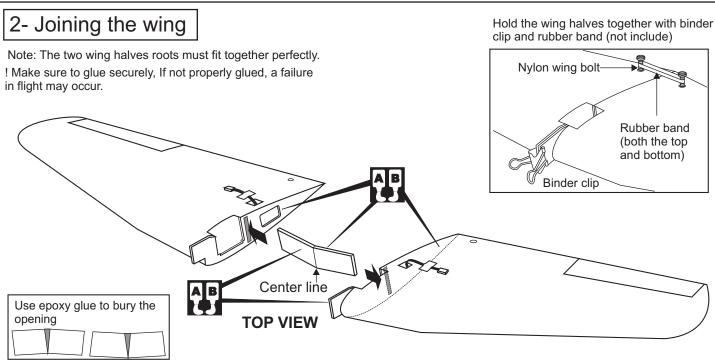
Assemble left and right sides the same way.

Not included. These parts must be purchased separately

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

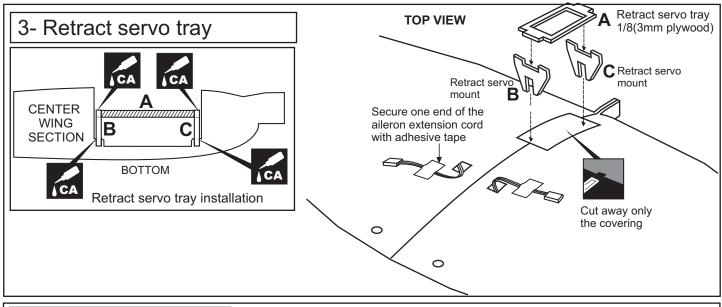
1.0mm = 3/64"	3.0mm = $1/8$ "	10mm = 13/32"	25mm = 1"
1.5mm = 1/16"	4.0mm = 5/32"	12mm = 15/32"	30mm = 1-3/16"
2.0mm = 5/64"	5.0mm = 13/64"	15mm = 19/32"	45mm = 1-51/64"
2.5mm = $3/32$ "	6.0mm = 15/64"	20mm = 51/64"	

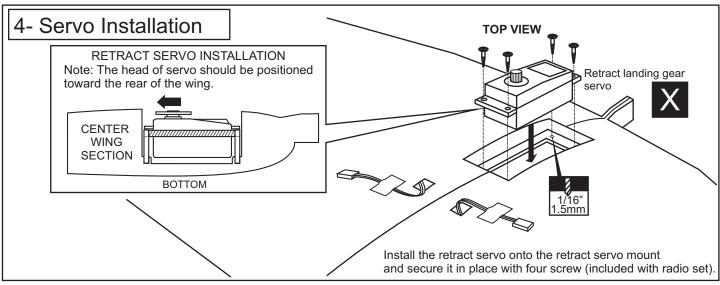


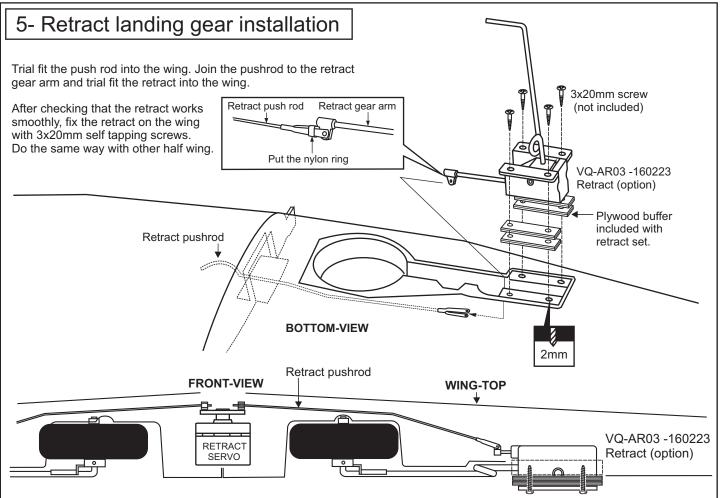


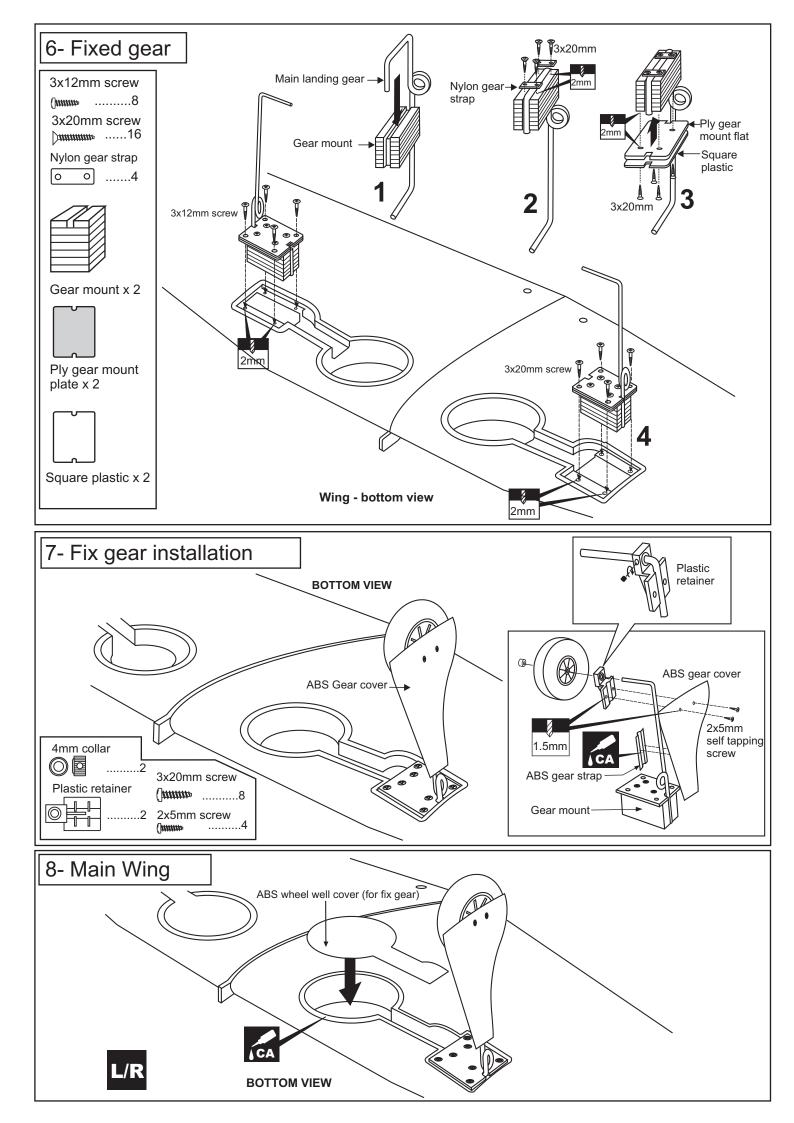
- 1- Using a pencil, mark the center of the brace.
- 2- Trial fit the wing joiner into one of the wing panels. It should insert smoothly up to the center line marked above.
- 3- Slide the other wing half onto the dihedral brace until the wing panel meet. If the fit is over tight, it may be necessary to lightly sand the dihedral brace.
- 4- Check for the correct dihedral angle.
- 5- Mix up some 30 minute epoxy and apply a generous amount of epoxy into the wing joiner cavity of one wing half.
- 6- Coat one half of the dihedral brace with epoxy up to the center line. Install the epoxy-coated side of the dihedral brace into the wing joiner cavity up to the center line, marking sure that the "V" of the dihedral brace is positioned correctly
- 7- Do the same way with the other wing half.
- 8- Carefully slide the wing halves together, ensuring that they are accurately aligned. Firmly press the two halves together, allowing the excess epoxy to run out. Clean off the excess epoxy.

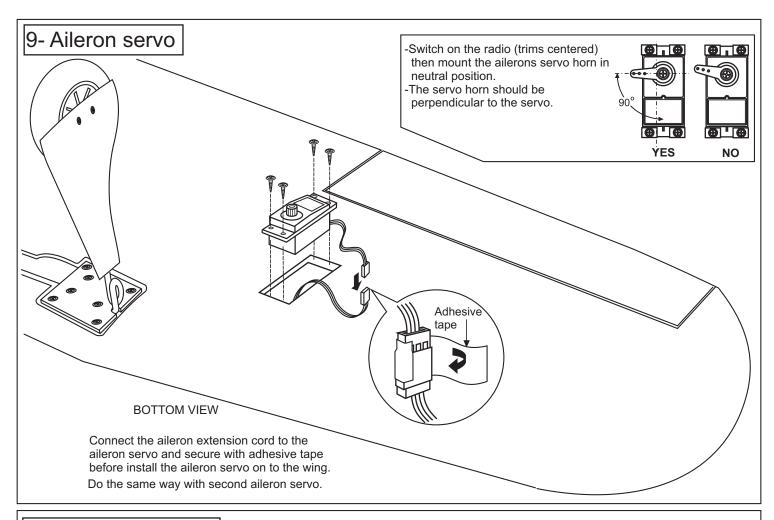
IMPORTANT: Please do not clean off the excess epoxy on the wing with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.



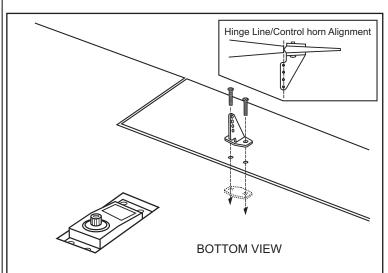








# 10- Aileron linkage



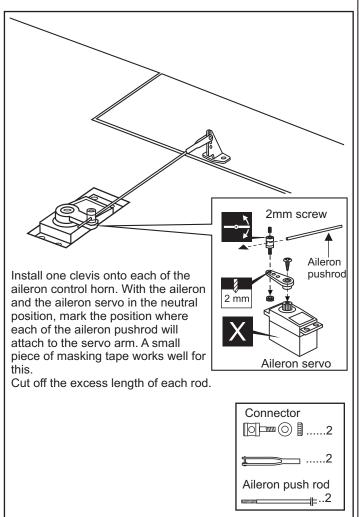
Depending on the position of the linkage, determine the location of aileron control horn.

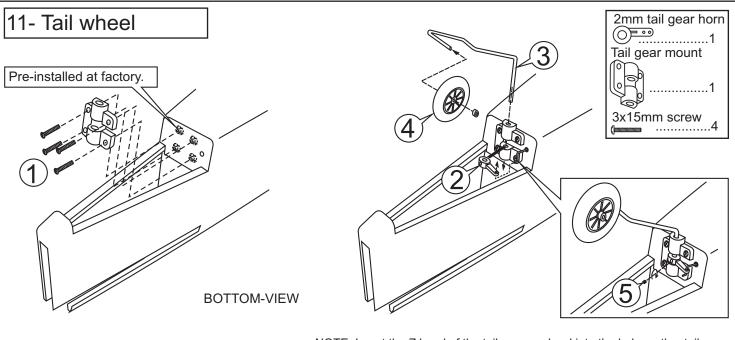
The horn holes must be perfectly aligned with the axis of articulation. Mark the position of the "foot" of the horn on the aileron. Then, with the drill, make the 2 holes.

Install the aileron control horn as shown.

Do the same way with second aileron servo.



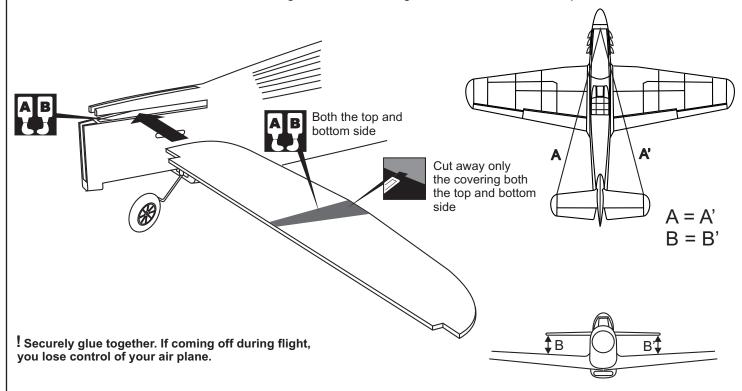




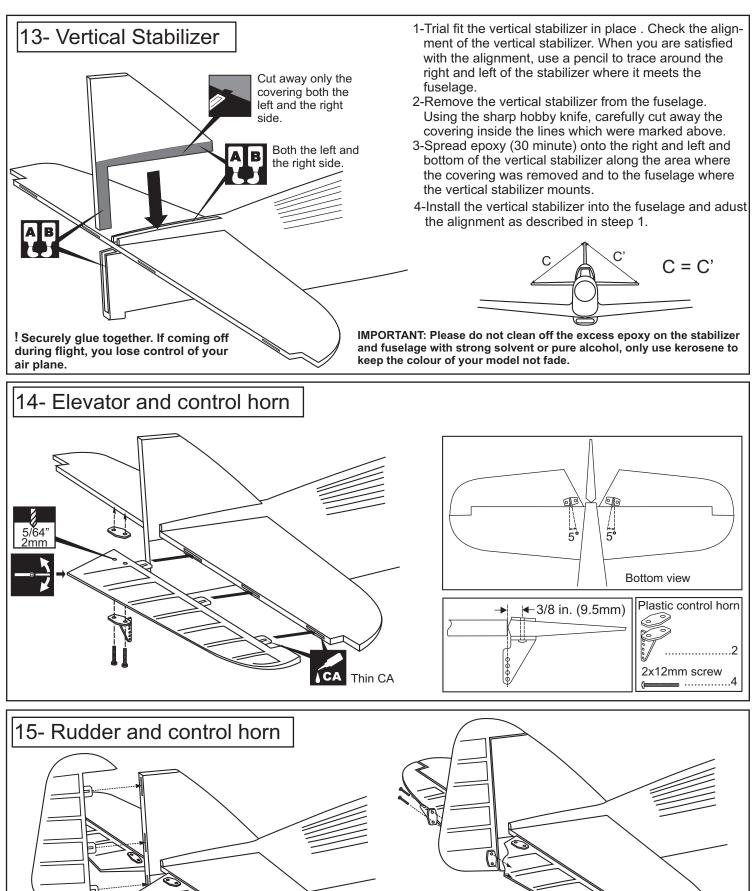
NOTE: Insert the Z bend of the tail gear pushrod into the hole on the tail gear horn before insert the tail gear horn on to the tail gear mount. (2)

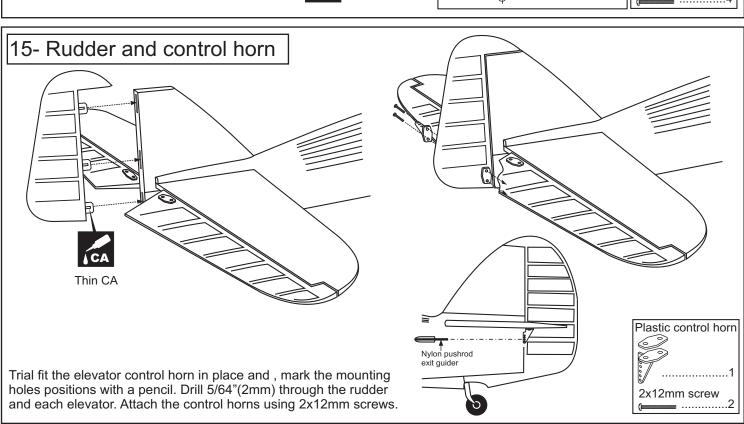
## 12- Horizontal stabilizer

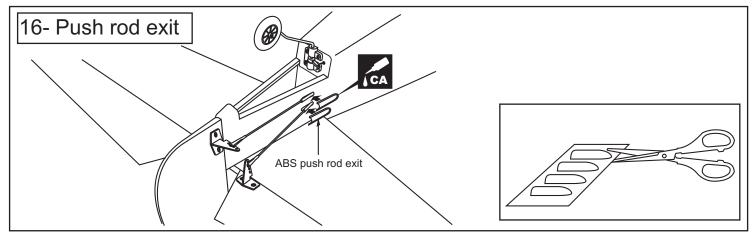
- 1-Trial fit the horizontal stabilizer in place. Check the alignment of the horizontal stabilizer. When you are satisfied with the alignment, use a pencil to trace around the top and bottom of the stabilizer where it meets the fuselage.
- 2-Remove the horizontal stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above.
- 3-Spread epoxy (30 minute) onto the top and bottom of the horizontal stabilizer along the area where the covering was removed and to the fuselage where the horizontal stabilizer mounts.
- 4-Install the horizontal stabilizer into the fuselage and adust the alignment as described in steep 1.

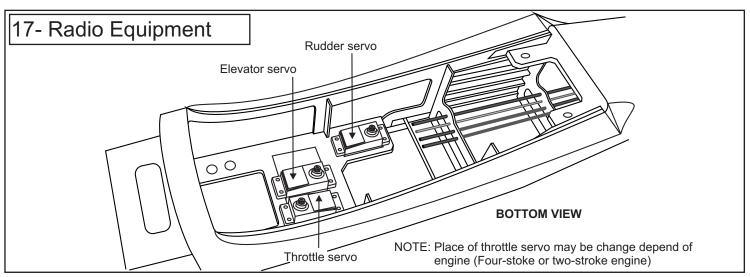


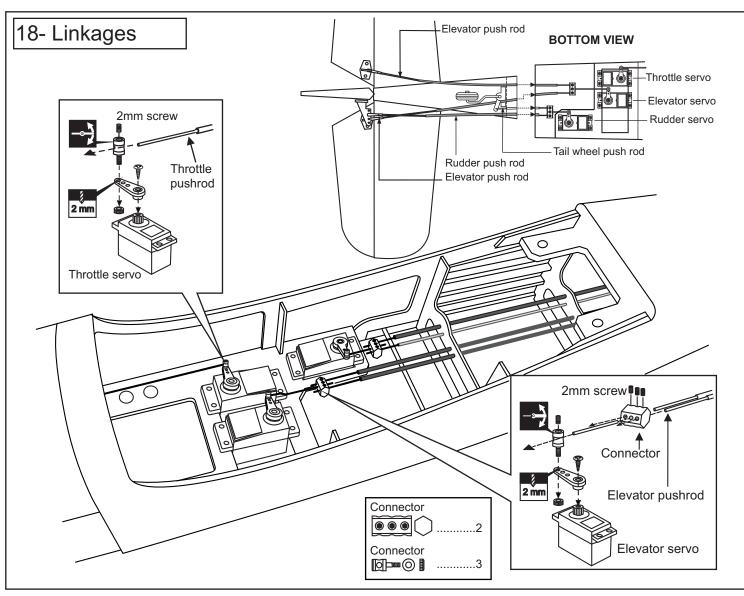
**IMPORTANT:** Please do not clean off the excess epoxy on the wing with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.

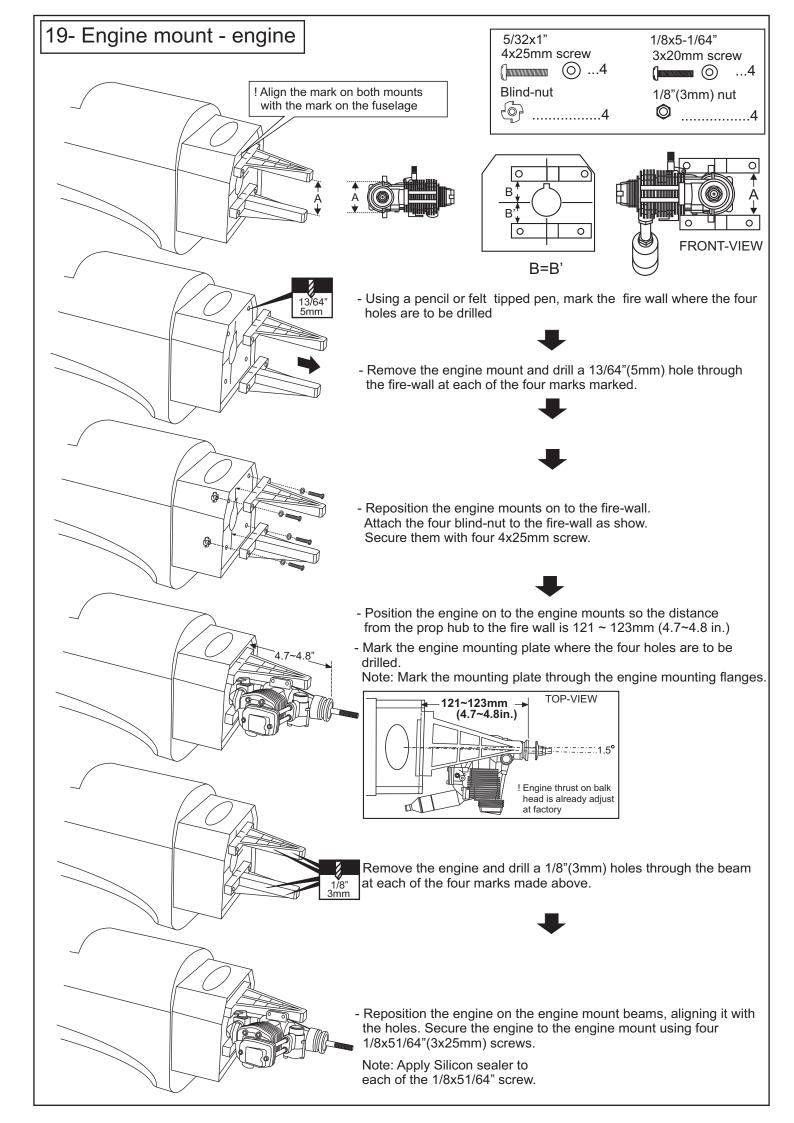


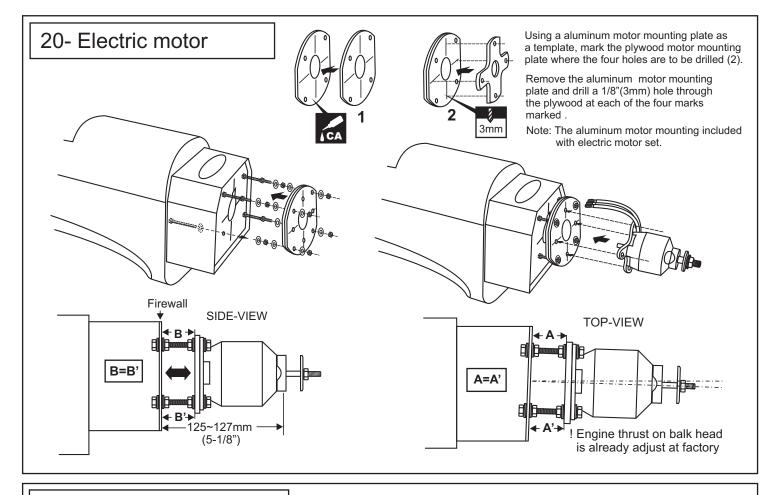




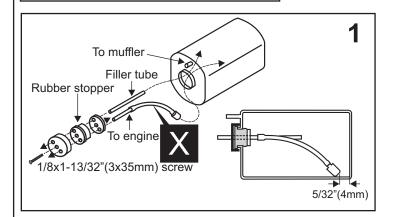




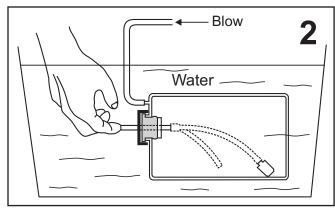




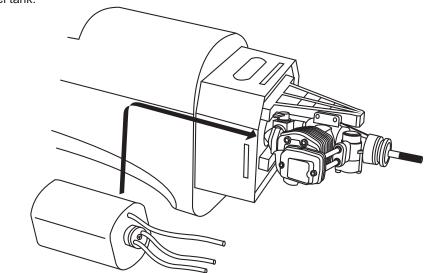
## 21- Fuel tank installation

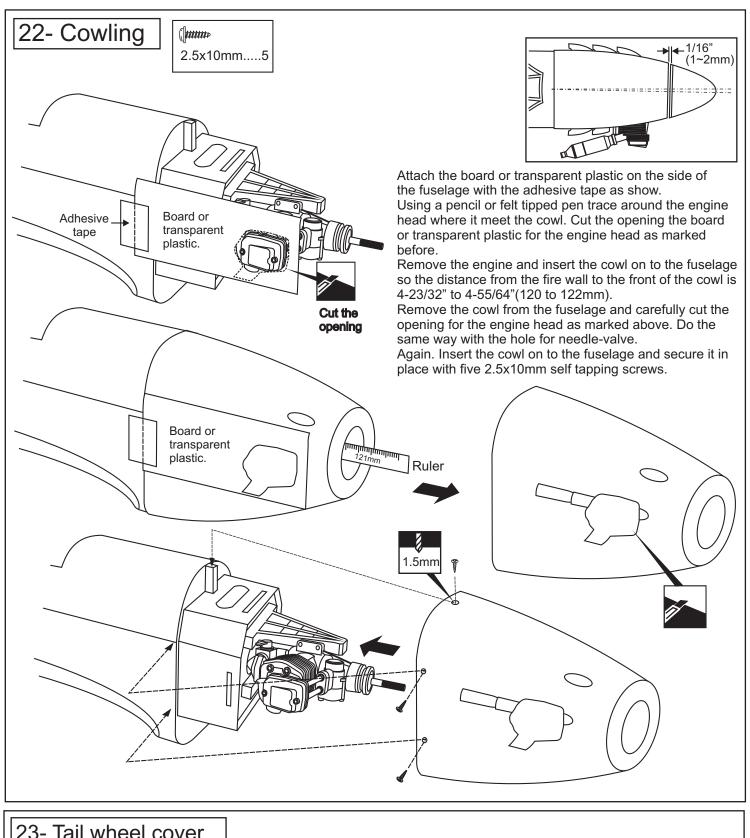


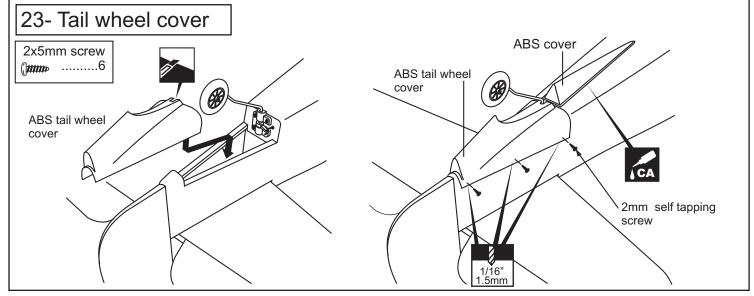
Ensure that the fuel tank clunk does not touch the rear of the fuel tank.

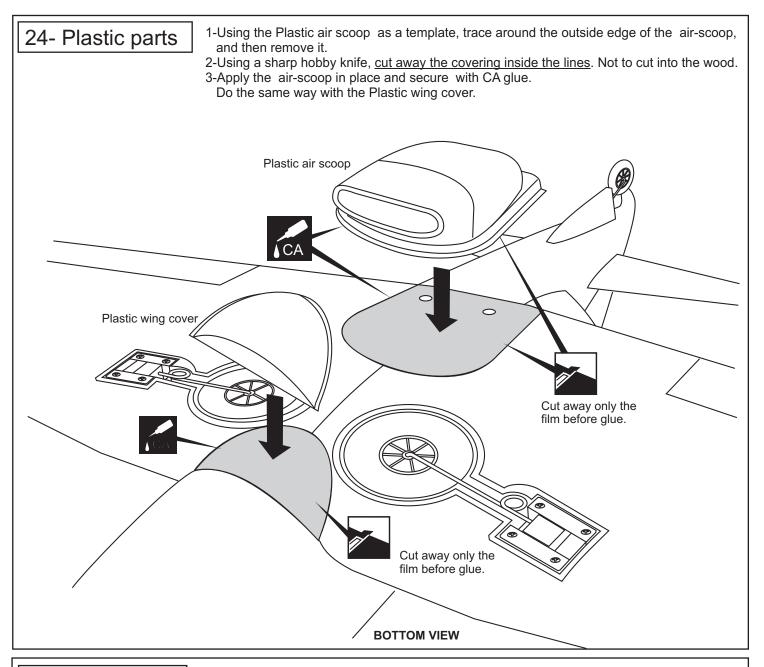


Checking for leaks - block the vents and blow into the feed - if in doubt submersing the tank in a blow of water will show up any problems.







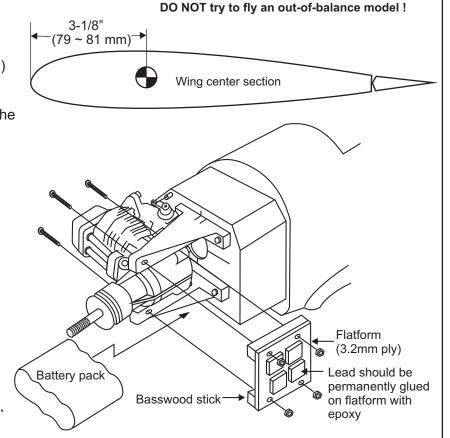


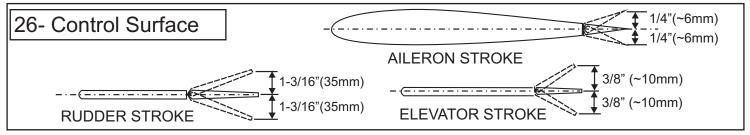
## 25- Balance

The recommended C.G (Center of Gravity) location for the Hurricane is 3-1/8"(79-81mm) Adjust the location of the battery pack as required to achieve this C.G location. If necessary, add weight to the nose until the correct balance is achieve.

To get the correct C.G., Several strips of lead weight were required in the nose of this model. To minimize the amount of weight required, it is desirable to position the weight as far forward as possible. This can be done by making a platform form leftover basswood stick and 3.2mm (1/8") ply wood. Using 4x35mm bolts to mount the engine would also be long enough to mount the flatform. The lead should be permanently glued on with epoxy. IMPORTANT: Recheck the C.G. After the weight has been installed.

! Securely install the nose-weight ensuring it will not come loose during flights.





#### Warning!

#### BEFORE FLYING CHECK EVERYTHING

Before each flight, inspect the airplane for any loose parts. Check the hinges, make sure the pushrods are still firmly attached, and check the engine mounting bolts. In general, check everything on the plane that might possibly come loose.

#### DO NOT FLY NEAR A POWER LINE

The power lines cause radio interference, so avoid flying near them.

Adjust the engine always from behind, but never from infront or the sides as rotating propeller may badly injure you! Do not allow watching people to get too close to a rotating propeller.

Ensure the spinner and propeller are securely attached. Immediately disure defective propeller as well as deformed spinners.

**IMPORTANT:** Please do not clean your model with pure alcohol, only use liquid soap with water or use glass cleaner to clean on surface of your model to keep the colour not fade.