60 Class 2-cycle engine

90 Class

4-cycle engine

or electric equivalent.

KAWASAKI Ki-61 Hien "Tony"

INSTRUCTION MANUAL

VQA048 / VQA049



AEROMODELLO RADIOCOMANDATO

RADIO CONTROLED ALMOST READY-TO-FLY ENGINE POWERED ALL BALSA PLANE



.61 cu.in.

90 cu.in.



6 ch.

10V (40A)

Wingspan approx. Fuselage length approx

61.8 in. (1570mm) 48.8 in. (1240mm



(2900g)

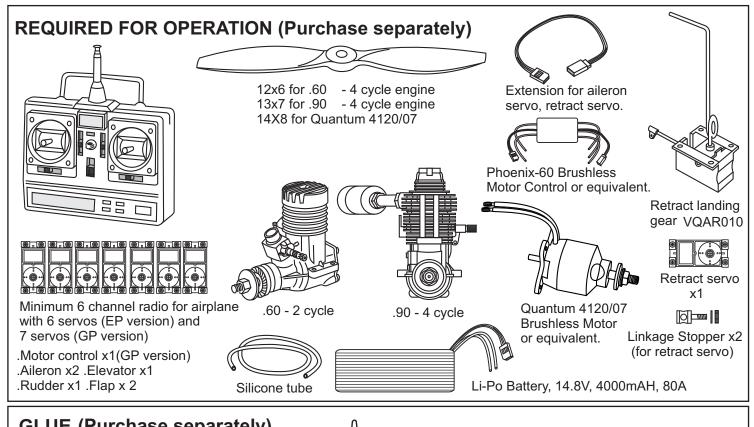


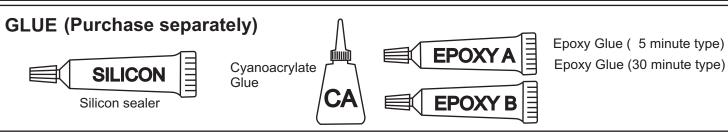


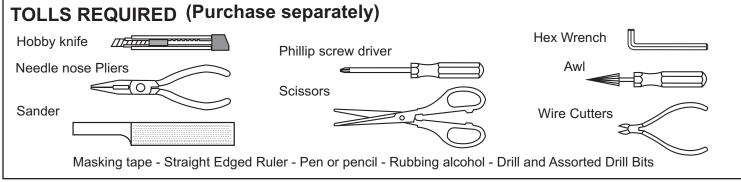
WARNING! This radio control model is not a toy. If modified or flow carelessly it could go out of control and cause serious bodily injury or property damage.

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

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

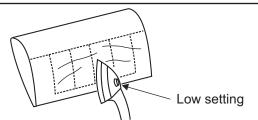






The pre-covered film on ARF kit may wrinkle due to variations of temperature. Smooth out as explained right.

* 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.

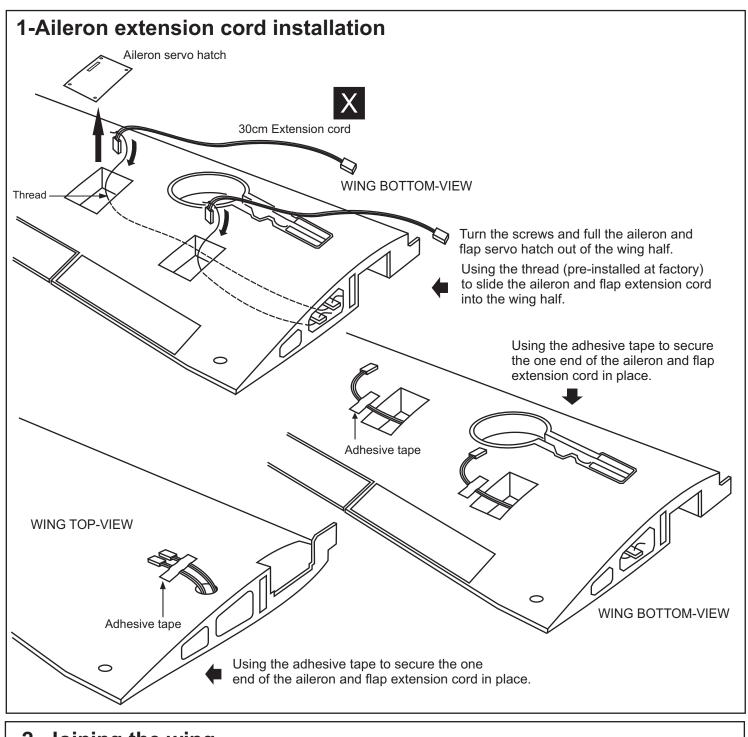


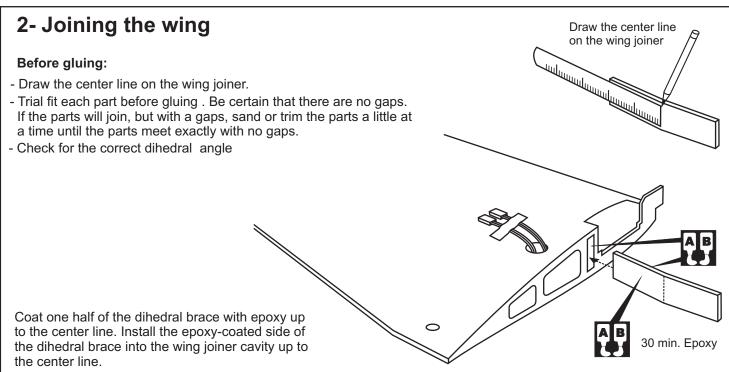
Not included. These parts must be purchased separately

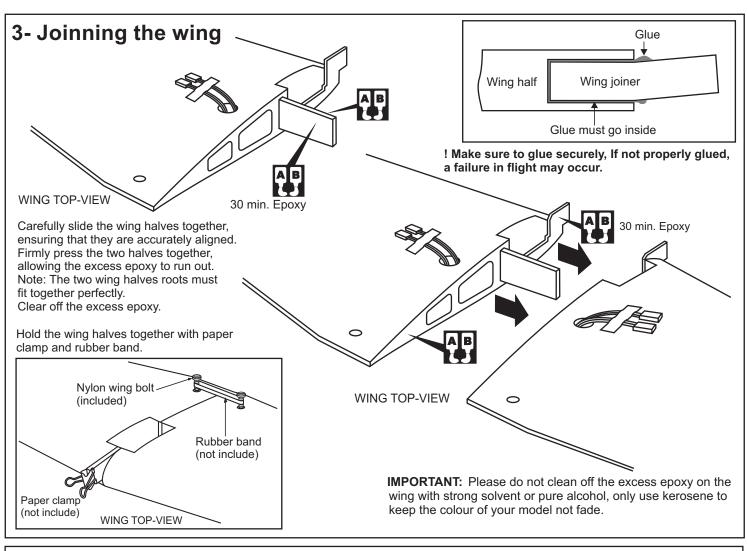
Read through the manual before you begin, so you will have an overall idea of what to do. **CONVERSION TABLE**

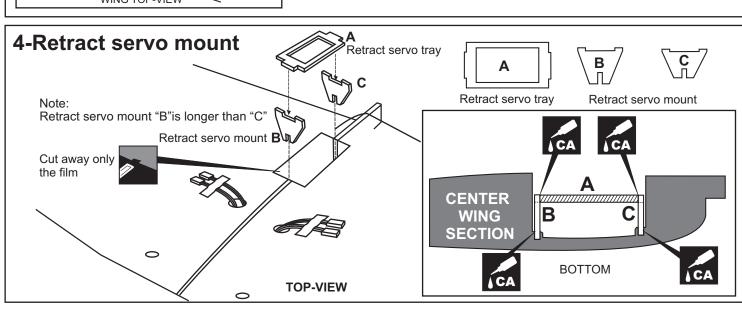
1.0mm = 3/64"	3.0mm = $1/8$ "	10mm = 13/32"	25mm = 1"
1.5mm = 1/16"	4.0mm = $5/32$ "	12mm = 15/32"	30mm = 1-3/16"
2.0mm = 5/64"	5.0mm = 13/64"	15mm = 19/32"	45mm = 1-51/64"
2.5 mm = 3/32"	6.0 mm = 15/64"	20mm = 51/64"	

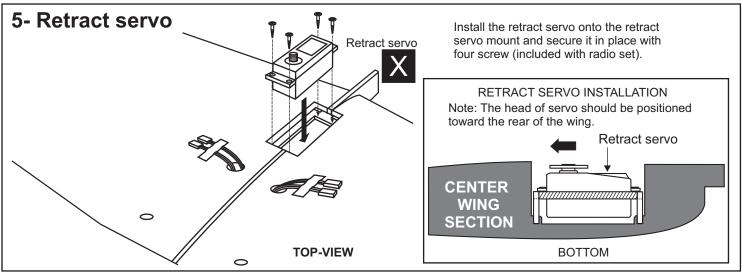
2.5mm = 3/32

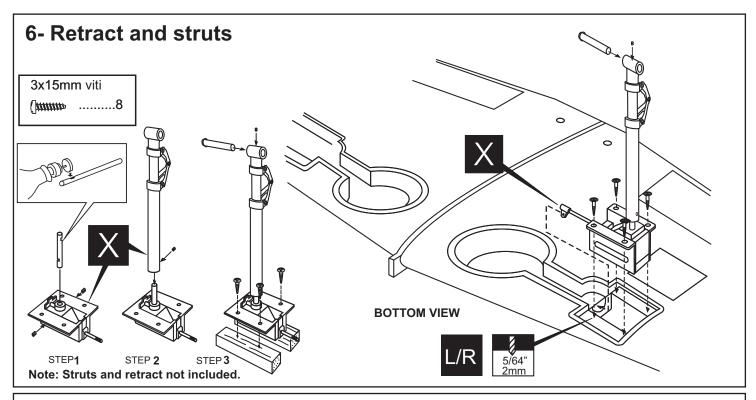






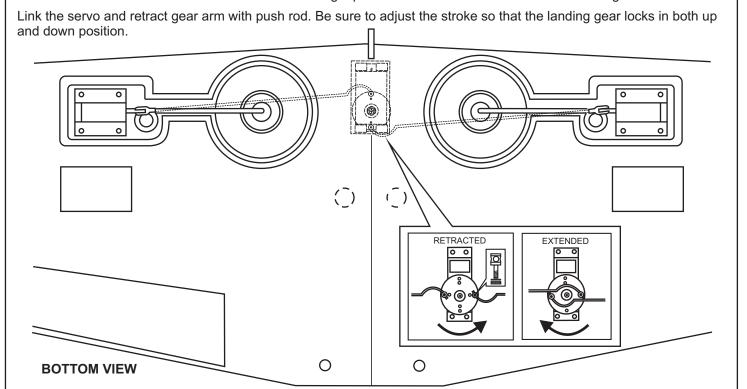


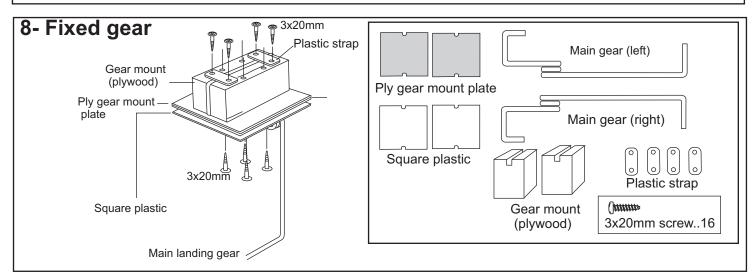


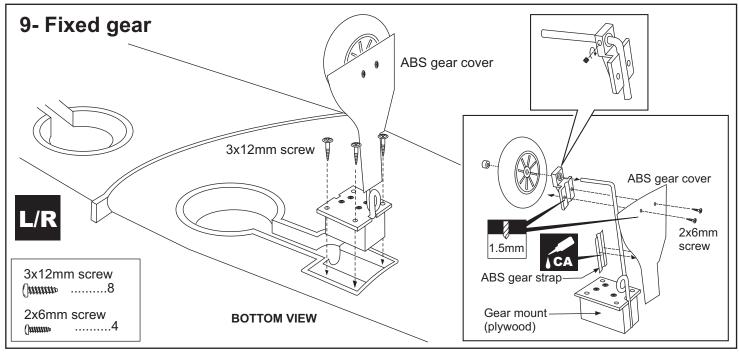


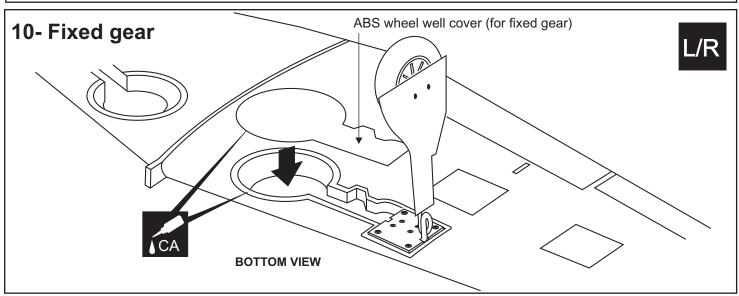
7- Retract linkage

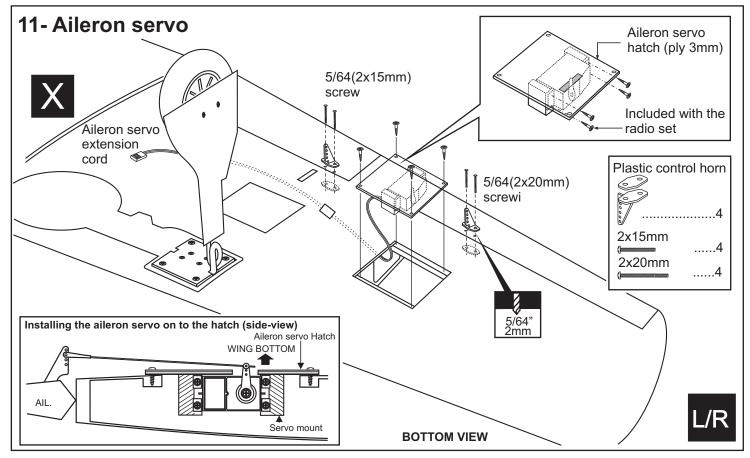
With the retract and retract servo in the retracted position, mark the position where each of the pushrod will attach to the servo arm, a small piece of masking tape works well for this. Cut off the excess length each rod.

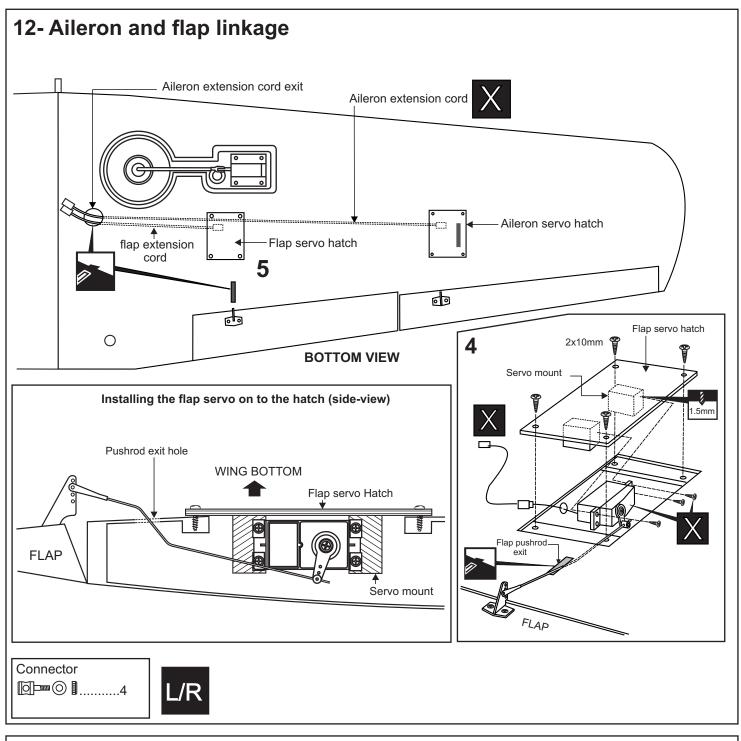


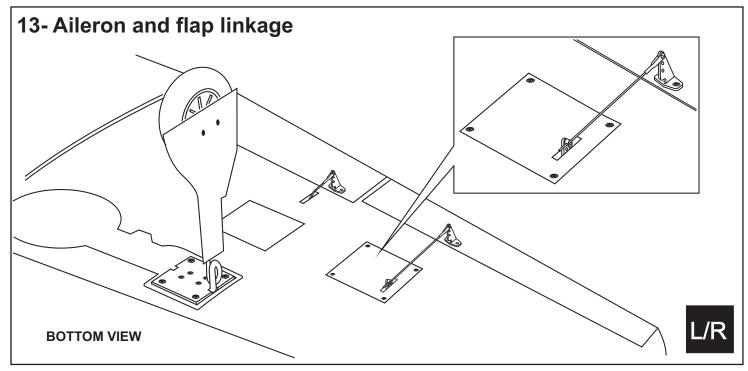


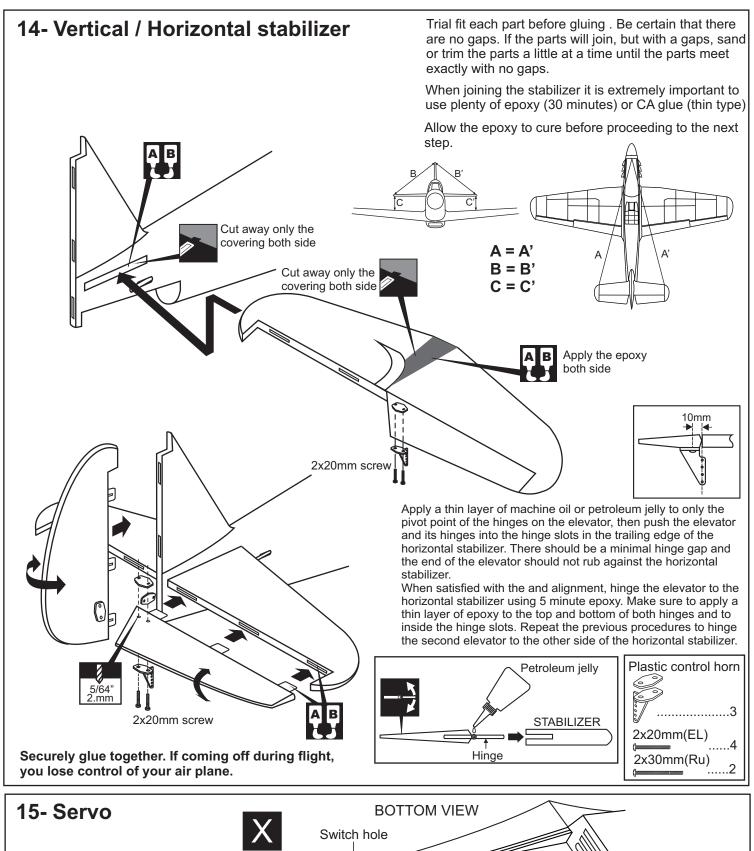


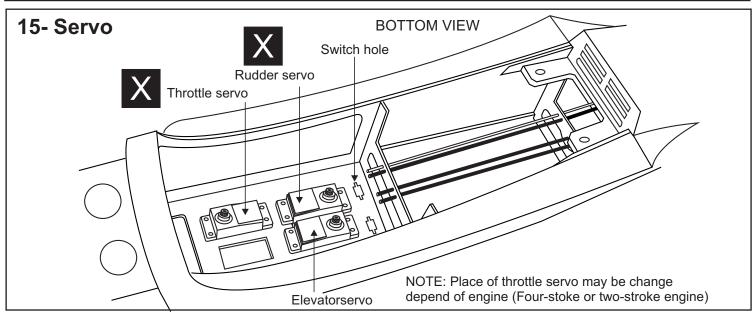


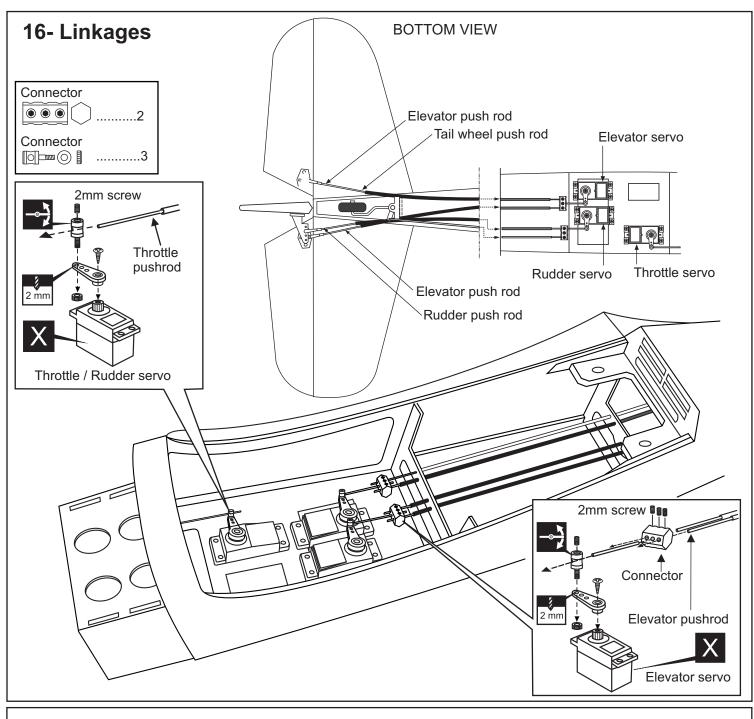


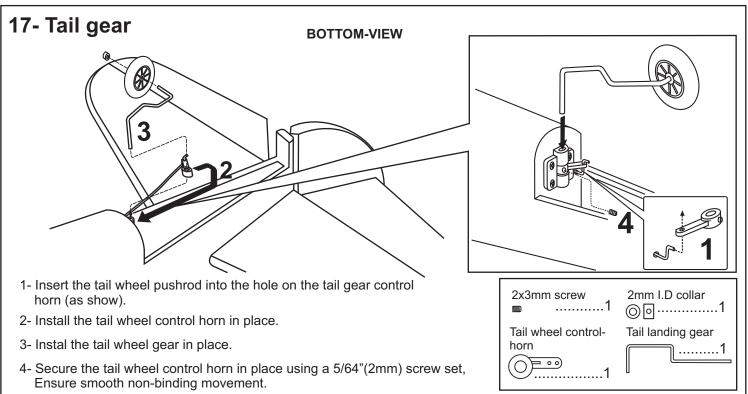


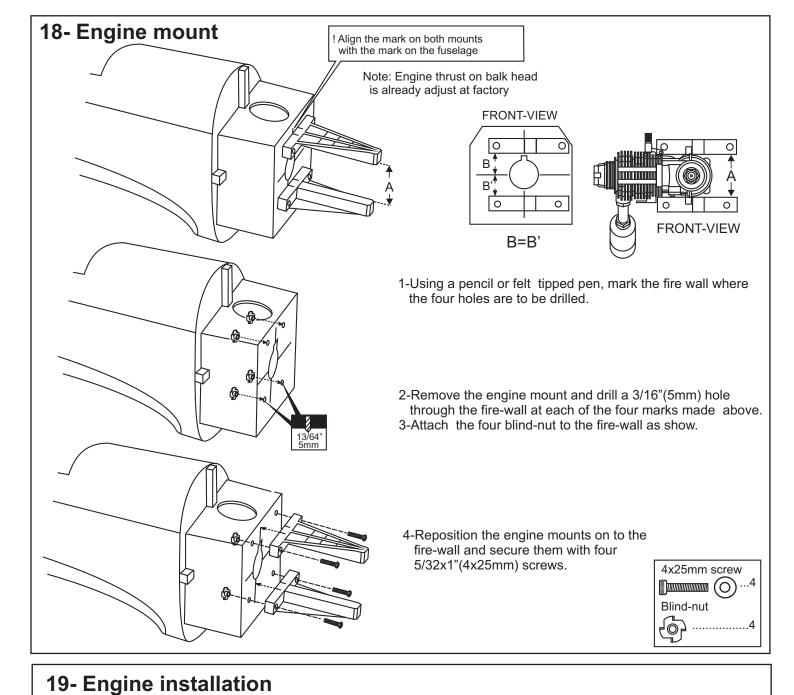


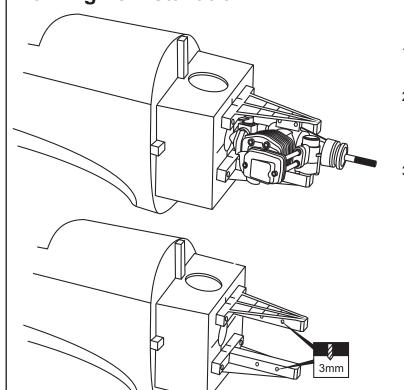




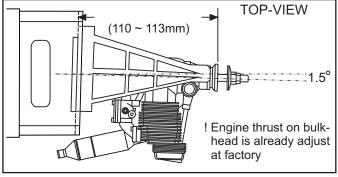


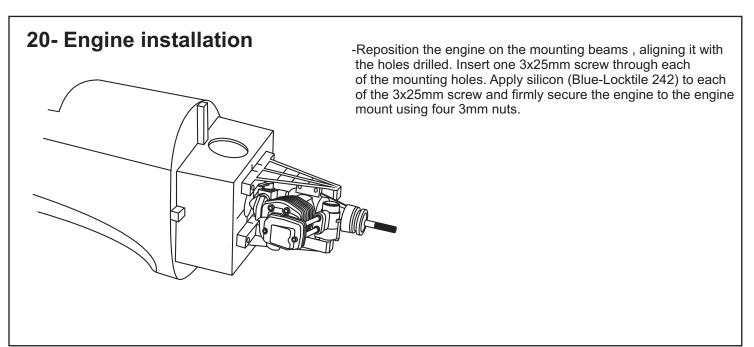


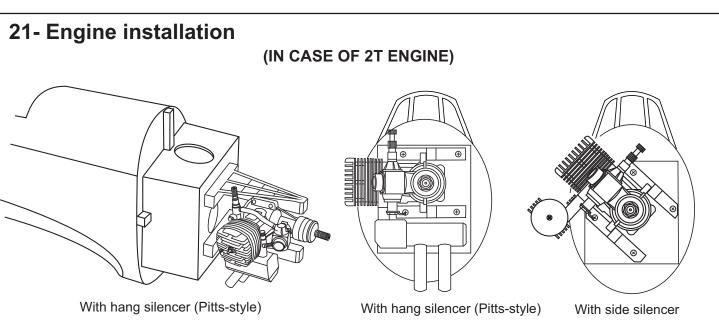


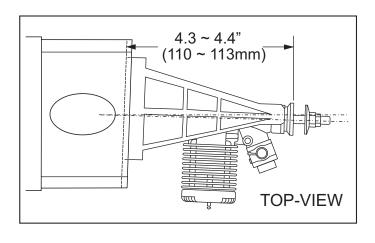


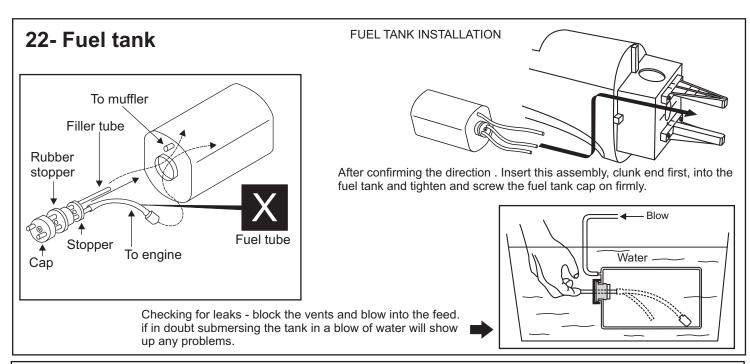
- 1-Position the engine on the engine mount beams so the distance from the prop hub to the fire wall is 110mm.
- 2-Mark the engine mounting plate where the four holes are to be drilled.
- 3-Remove the engine and drill 1/8"(3mm) hole through the beam at each of the four marks made above.

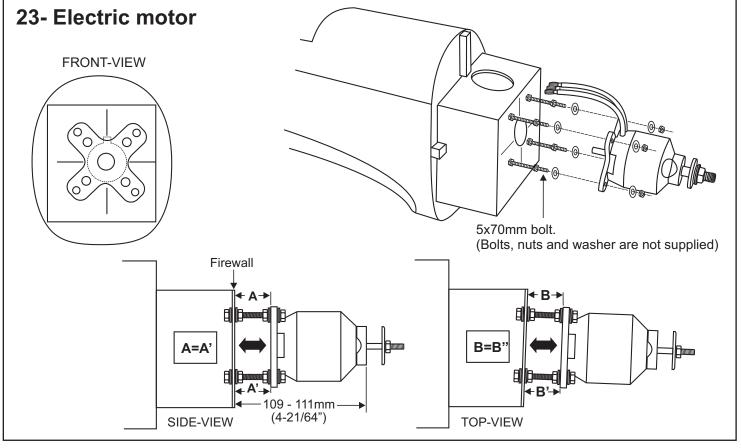


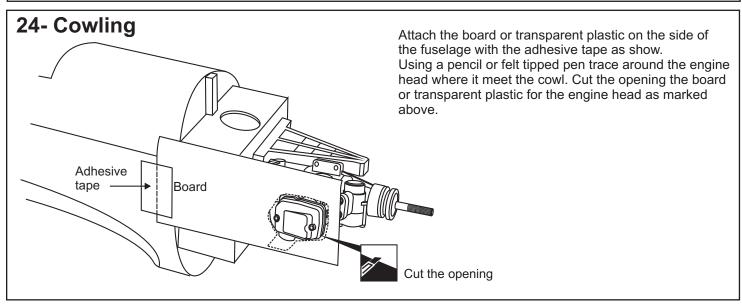


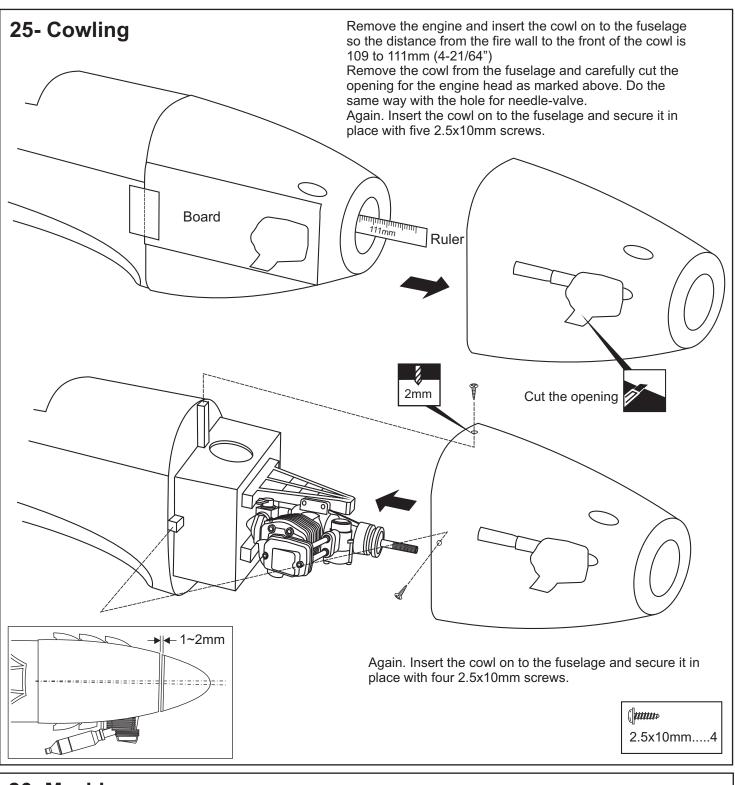


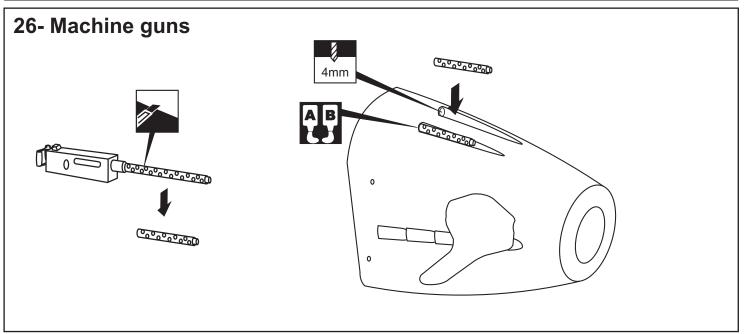


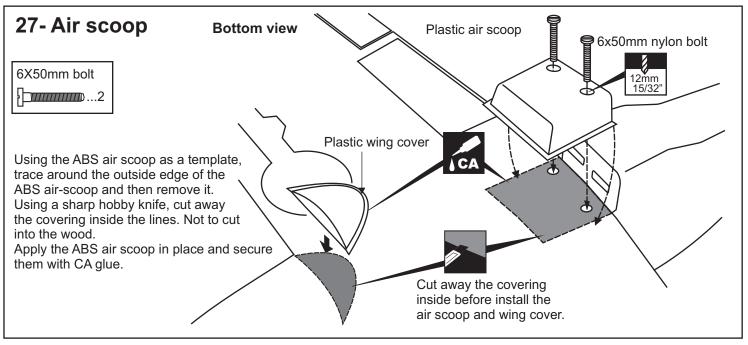


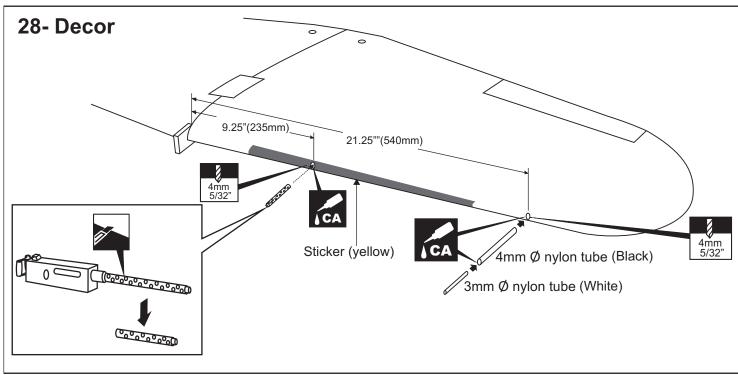


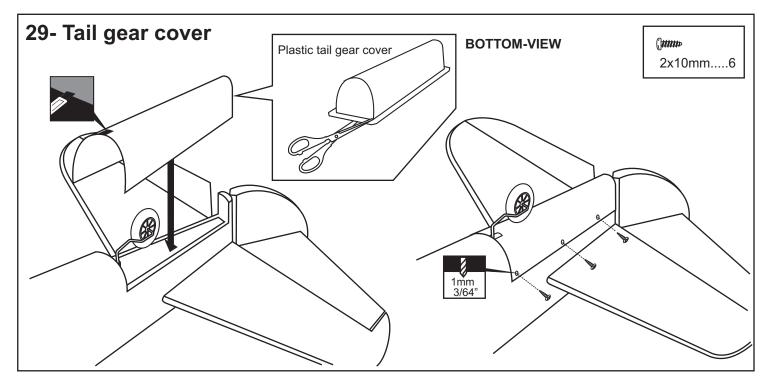


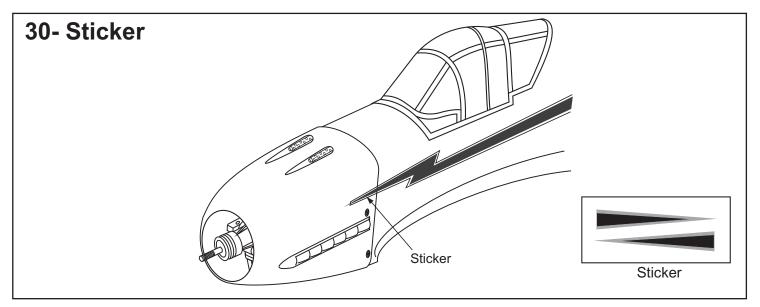


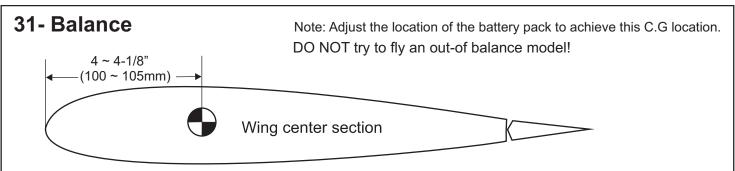


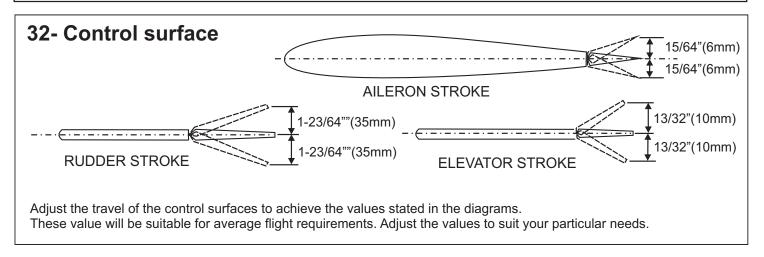












IMPORTANT: Please do not clean your model with pure alcohol, only use liquid soap with water or use glass cleaner to clean on surface of your model to keep the colour not fade.

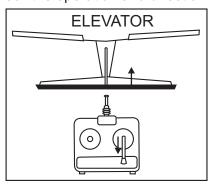
PRE-FLIGHT CHECKING AND ADJUSTING YOUR MODEL

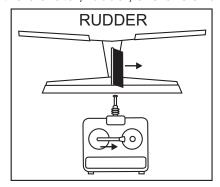
It is almost impossible to fly your model without checking and adjusting your model. You can stop easily if your car is not running strait. But you cannot stop your airplane after take off. Your plane could go right or left. Or even go up or down. Without understanding these instruction before flying the Ki-61, you might otherwise have difficulty in flying, or crash the plane. If you are new to Radio Control flying, you should not fly the Ki-61 but have an expert fly it. Even if you are experienced pilot, read this before your first flight.

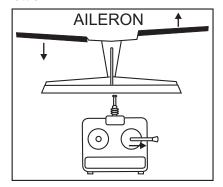
PRE-FLIGHT CHECK

1-Balance: There is very important relationship between the CG position and stall characteristic of an airplane or knife-edge performance. An aft CG will make the plane snap roll instead of making a clean stall. And your plane goes to down side at knife edge flying instead of strait. To measure the CG position, measure $4 \sim 4-1/8$ " (100 \sim 105mm) from leading edge (a + / - 13/64" = 5mm is fine).

2-Check the operation and direction of the elevator, rudder, ailerons and throttle:







CAUTIONS FOR SAFETY

Ensure the airfield is spacious enough.

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

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.

Fully extend the transmitter and receiver antenna.

Always take off and landing your airplane into the wind.

Switch off the transmitter and receiver after landing.

Do not fly your airplane above people standing around.

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.

CHECK THE FREQUENCE BEFORE FLYING

DO NOT FLY NEAR A POWER LINE

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

WARNING

Do not put in a large-than recommended engine. A bigger engine does not necessarily mean better performance.