

Before commencing assembly, please read these instructions thoroughly.

Extra 300 - 30



ARF *Almost Ready to Fly*

Specifications

Wing Span: 52.0 in / 1320 mm

Wing Area: 419 sq in / 27.0 sq dm

Flying Weight: 4.5 lbs / 2040 g

Fuselage Length: 44.0 in / 1120 mm

Requires: 4-stroke 0.48-0.52 engine

4-channel radio w/ 4 standard servos



Warning ! This model is not a toy.

It is designed for maximum performance. Please seek advice if one is not familiar with this kind of engine powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.

* Specifications are subject to change without notice.*



THE WINGS MAKER
FACTORY PRE-FABRICATED
ALMOST-READY-TO-FLY (ARF) SERIES
MADE IN CHINA
www.thewingsmaker.com

Extra 300 - 30

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BEFORE YOU BEGIN

- 1 Read through the manual before you begin, so you will have an overall idea of what to do.
- 2 Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will not extend to the parts that are good before gluing to defective parts during assembly. Warranty will not cover any parts modified by customer.
- 3 Symbols used throughout this instruction manual comprise of the following :-



Apply epoxy glue.



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



Assemble left and right
sides the same way.



Ensure smooth non-binding
movement while assembling.



Peel off shaded portion
covering film.



Cut off shaded portion.



Drill holes with the specified
diameter (here: 3mm)



Must be purchased separately!



Pay close attention here!

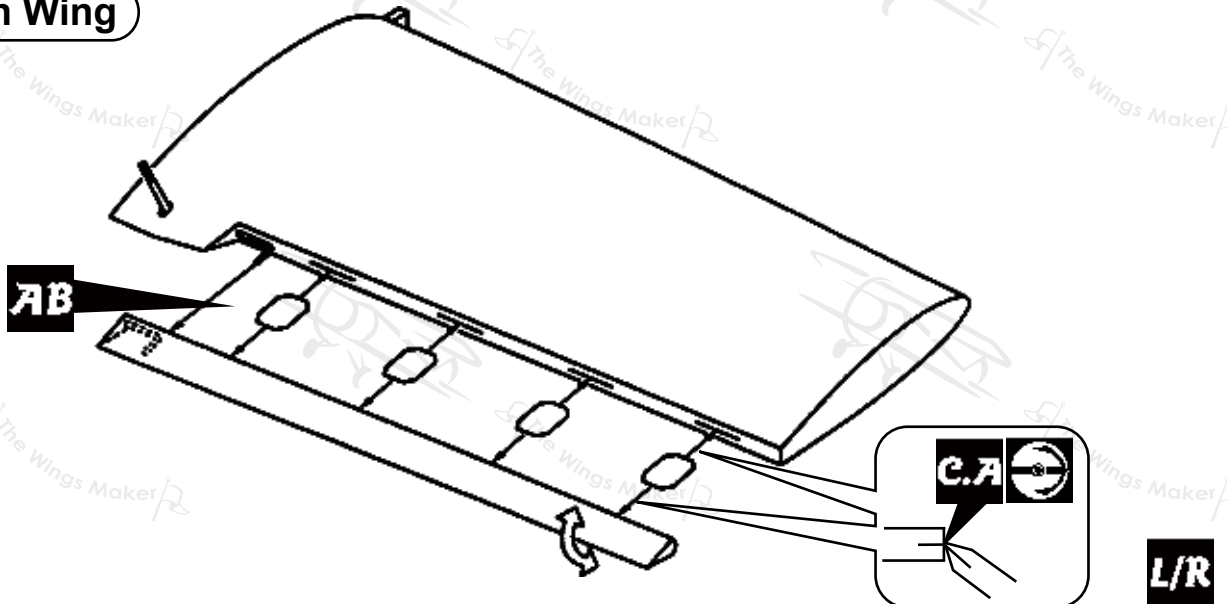


Do not overlook this symbol!

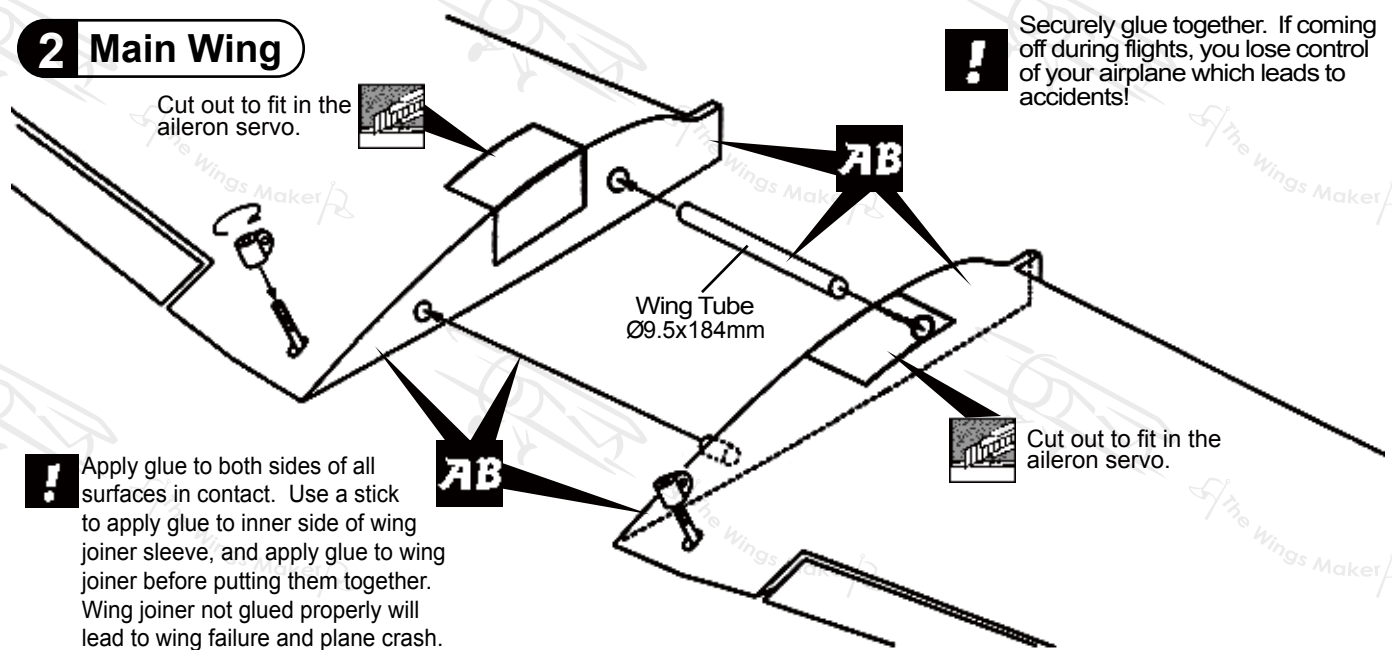


Pierce the shaded portion
covering film.

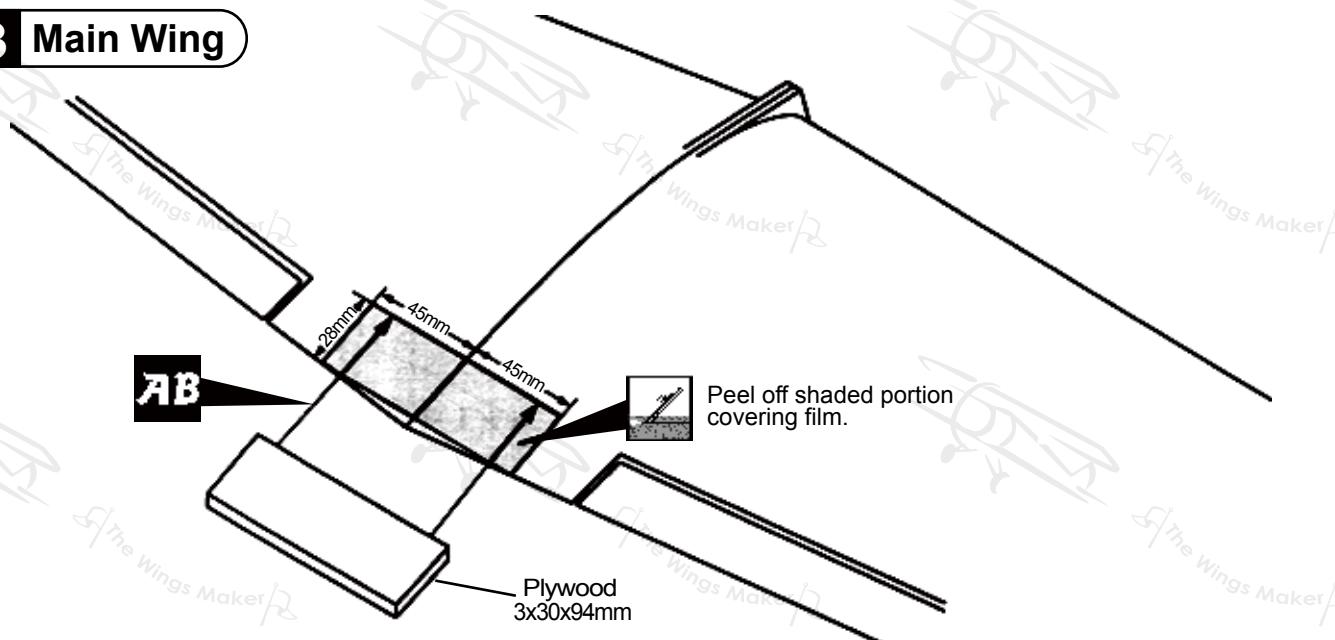
1 Main Wing



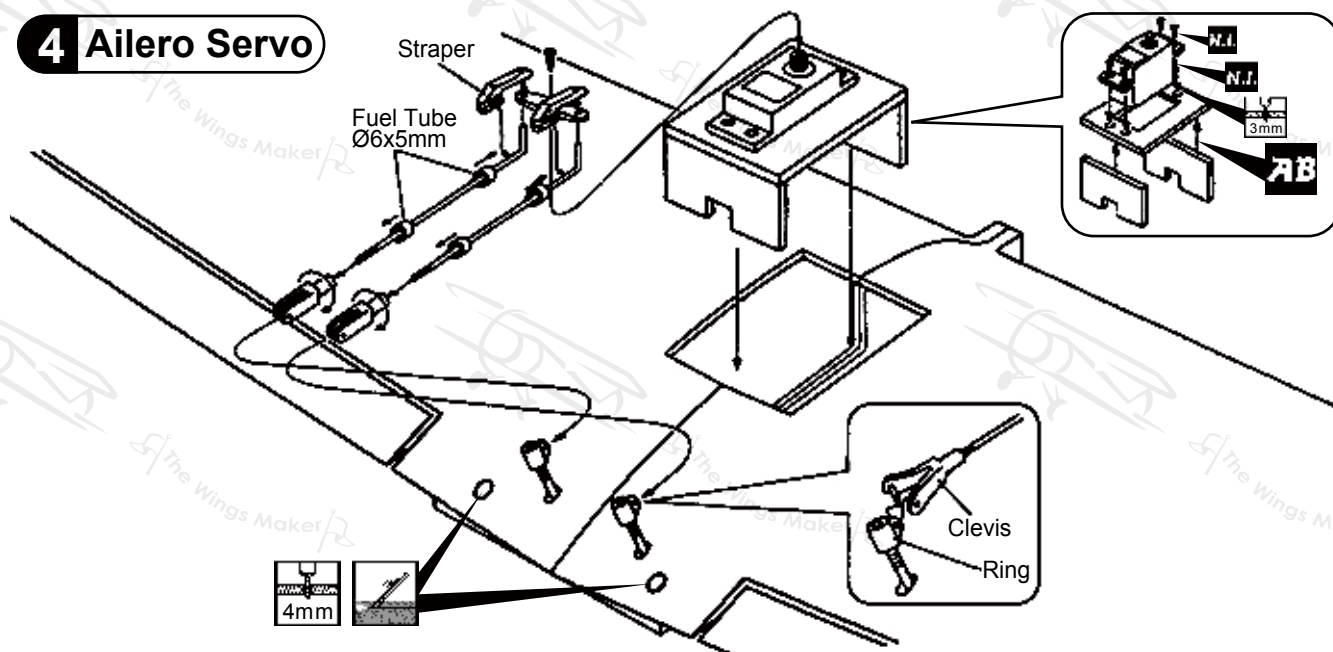
2 Main Wing



3 Main Wing



4 Aileron Servo

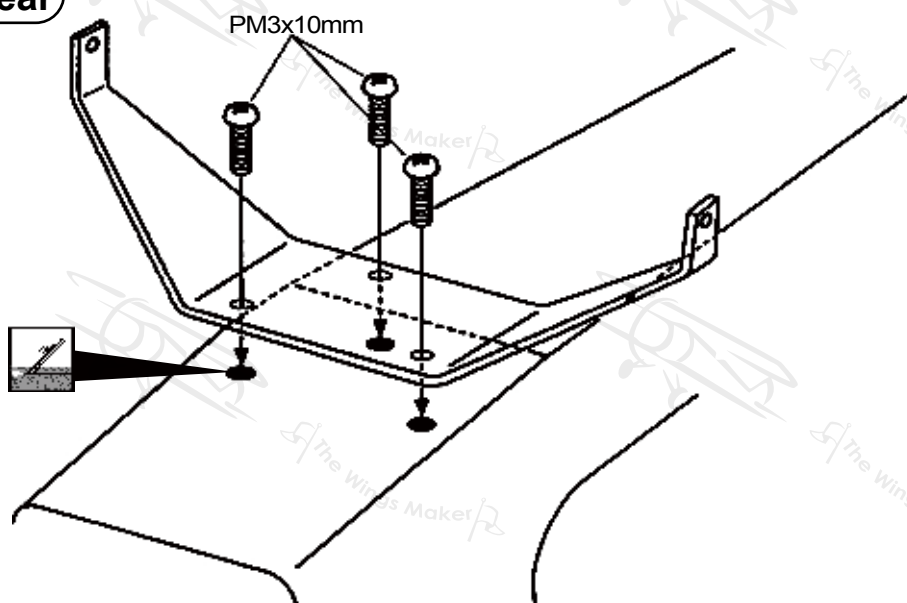


5 Main Landing Gear

PM3x10mm Screw

3

Peel off shaded portion covering film.



6 Main Landing Gear

PM3.5x35mm Screw

2

PA3x6mm Screw

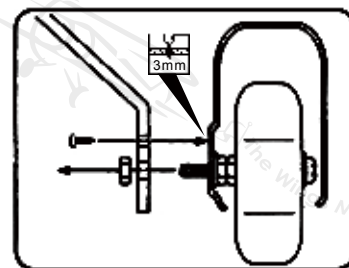
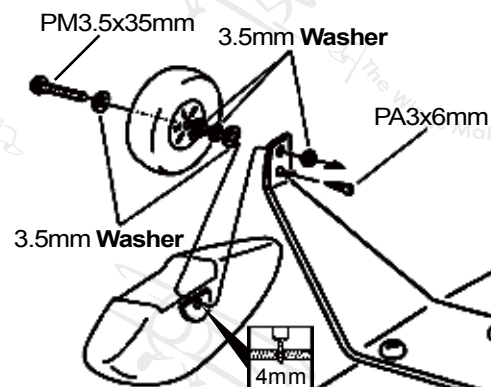
2

3.5mm Washer

4

M3.5 NUT

6

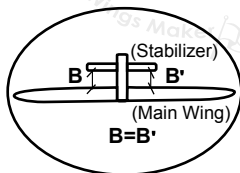


L/R

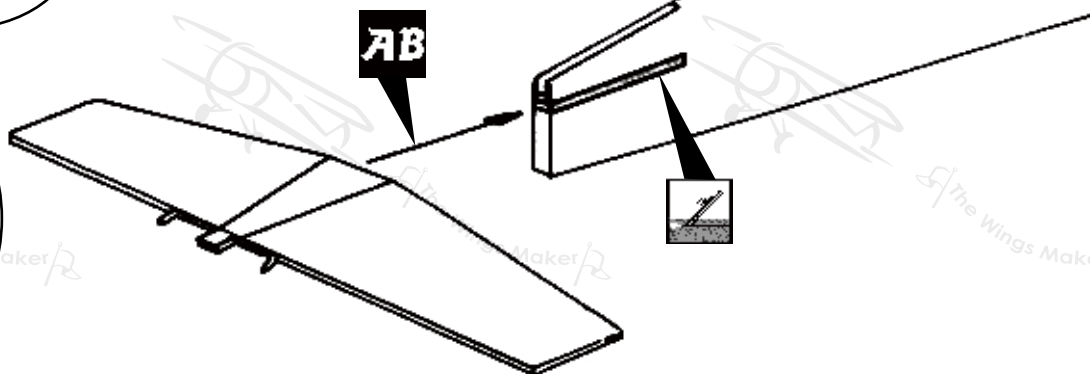
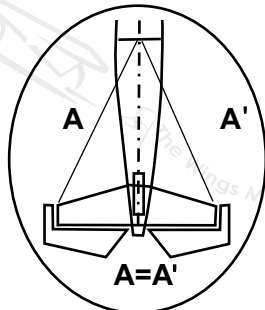
7 Stabilizer



Securely glue together. If coming off during flights, you lose control of your airplane which leads to accidents!



Temporary install the main wing, adjust leveling of the stabilizer to make is as parallel to the main wing as possible.



8 Elevator

PM2x12mm Screw

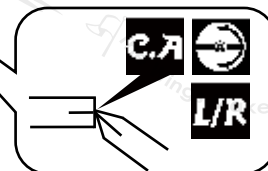
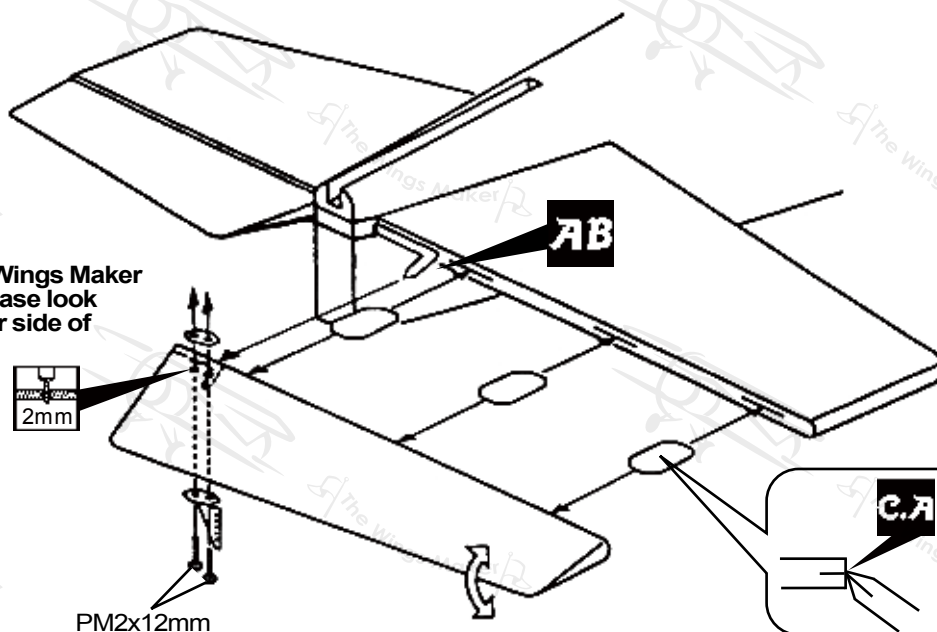


2

● Ø1mm pilot holes for The Wings Maker tri-horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.



PM2x12mm

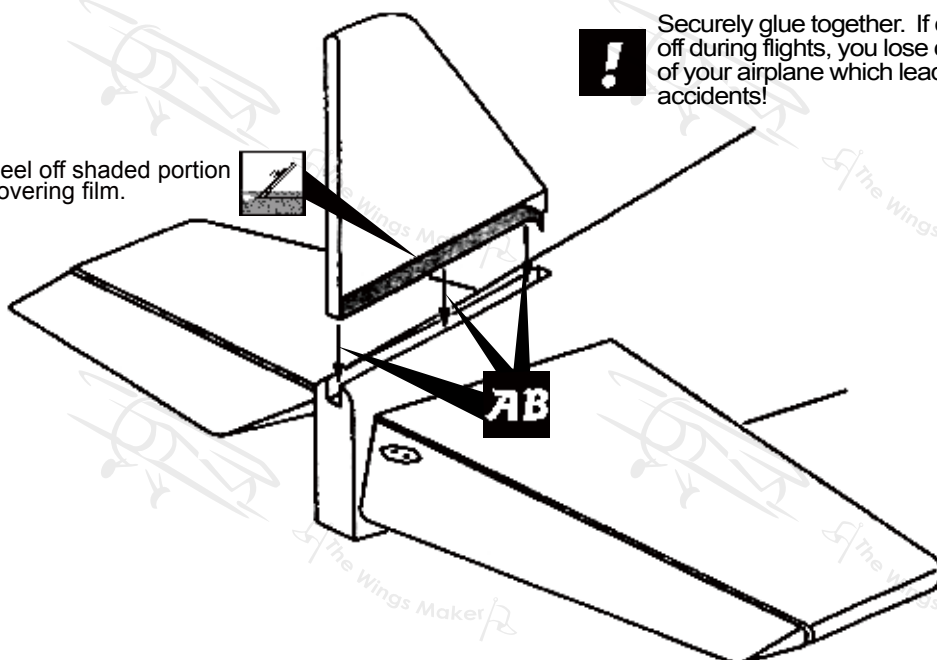
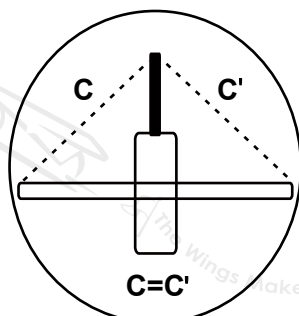


9 Vertical Fin



Securely glue together. If coming off during flights, you lose control of your airplane which leads to accidents!

Peel off shaded portion covering film.



10 Rudder

PM2x12mm Screw



3

PA3x12mm Screw



2

3mm Set Screw



1

2.1mm Wheel Collar



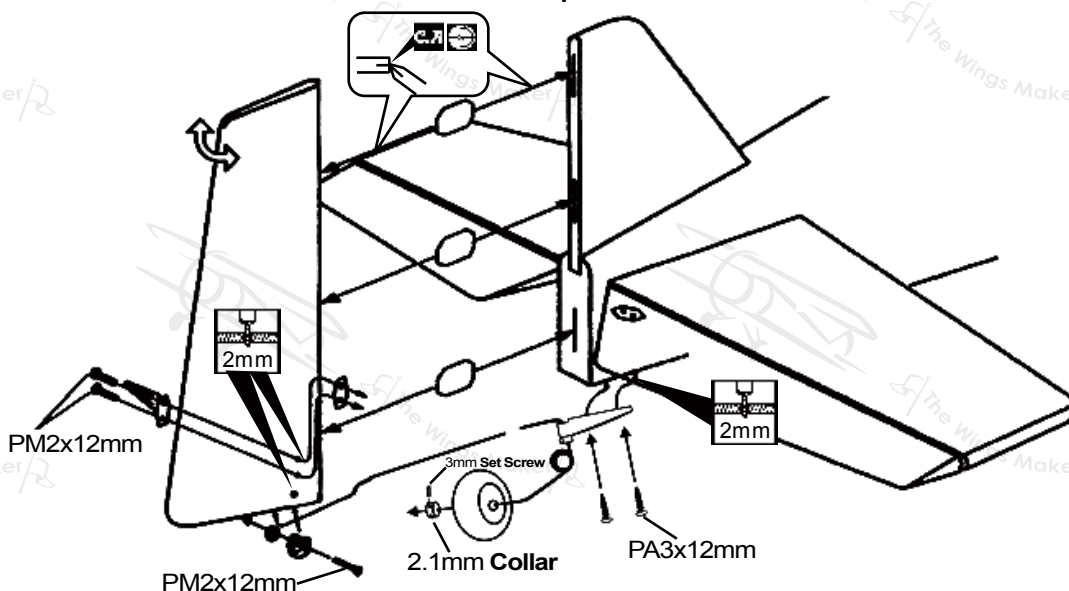
1

M2 NUT



1

● Ø1mm pilot holes for The Wings Maker tri-horn are pre-drilled. Please look for pin-hole marks at side of control surfaces.



11 Engine Mount

PM3x32mm Screw



4

d2xD4mm Washer

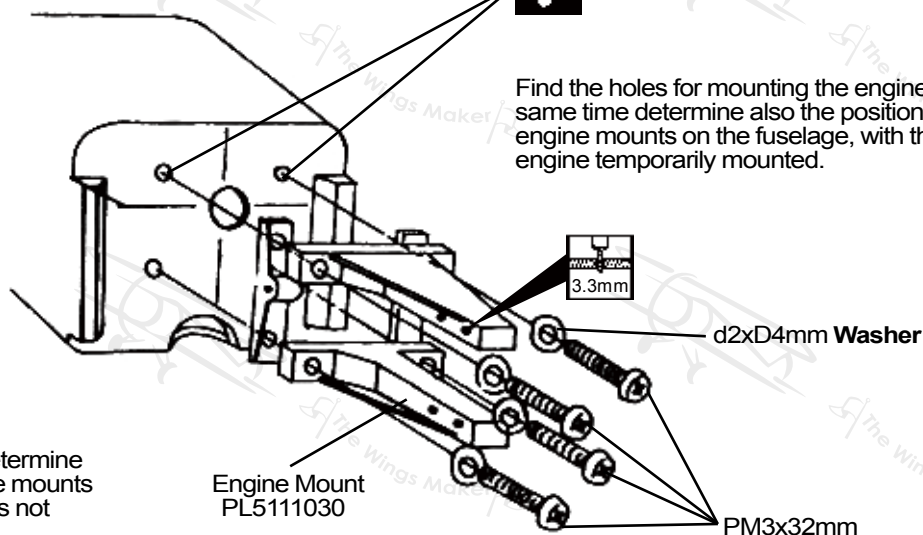


4



Align the center of the engine with the center of both marks.

Find the holes for mounting the engine. At the same time determine also the position of the engine mounts on the fuselage, with the engine temporarily mounted.



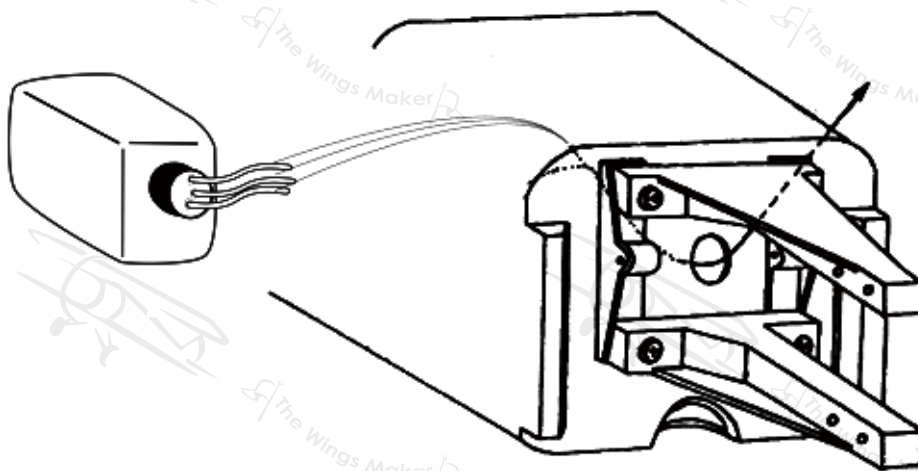
With 4-cycle engines, determine the position of the engine mounts ensuring the muffler does not contact the plastic cover.

12 Fuel Tank

Install Basla 5x12x113mm
(For fixing fuel tank)

Fuel Tank 200cc

AB



13 Engine

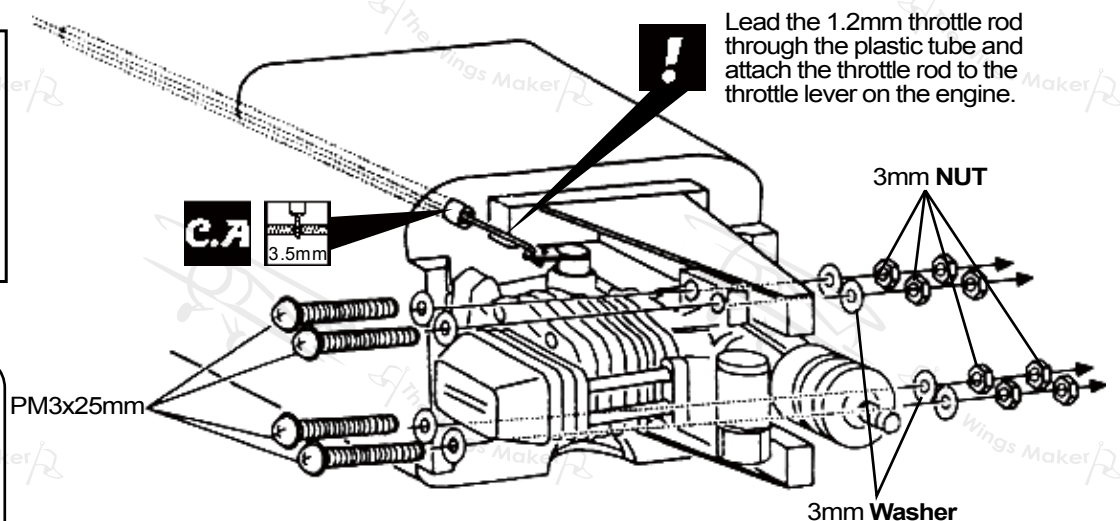
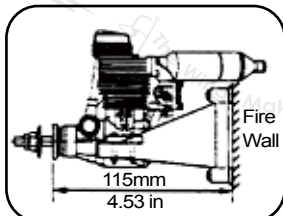
PM3x25mm Screw



3mm Washer



3mm Nut

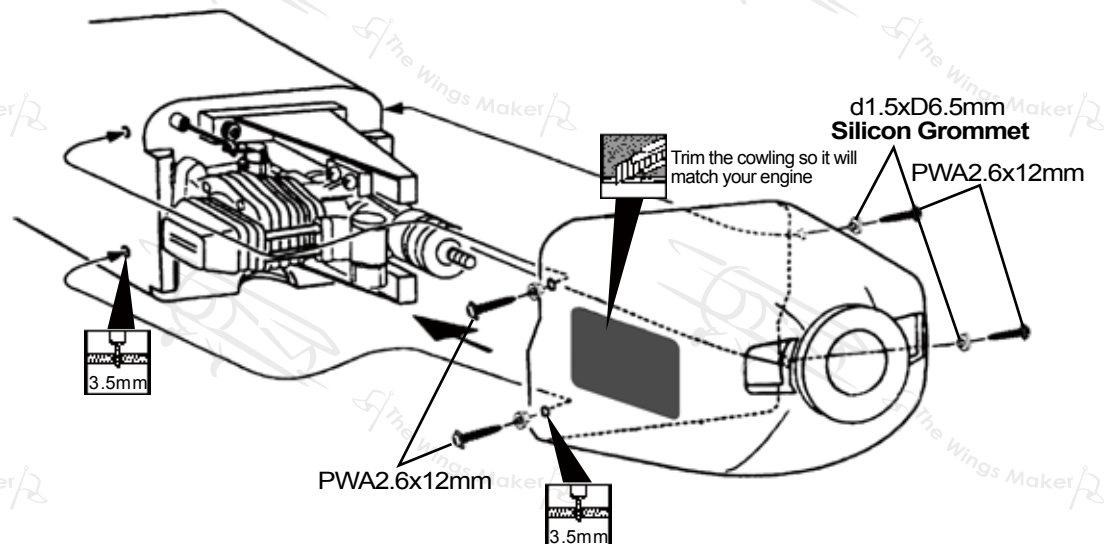


14 Cowling

PWA2.6x12mm Screw



d1.5xD6.5mm **Silicon Grommet**



15 Servo Set

LINKAGE CONNECTOR

3x3mm Screw



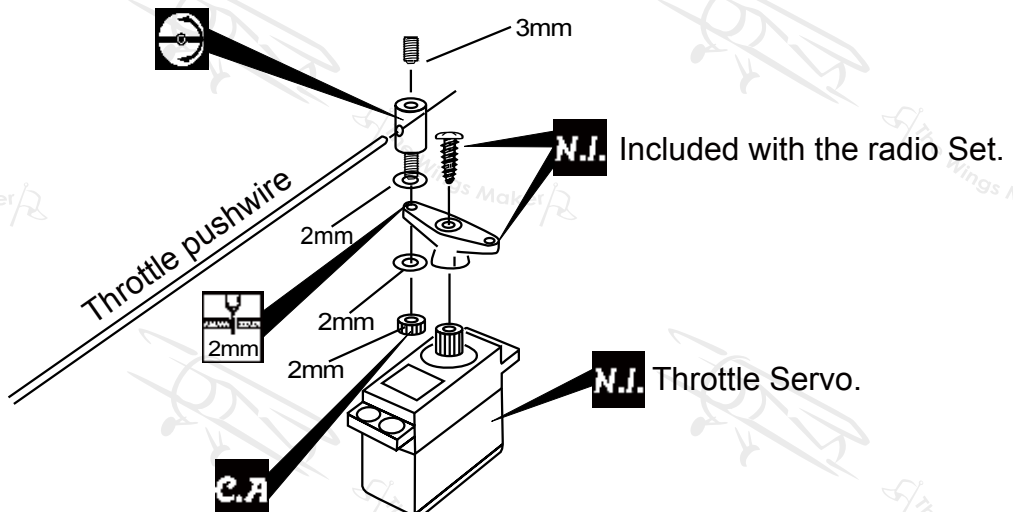
Linkage Connector



 2mm Nut



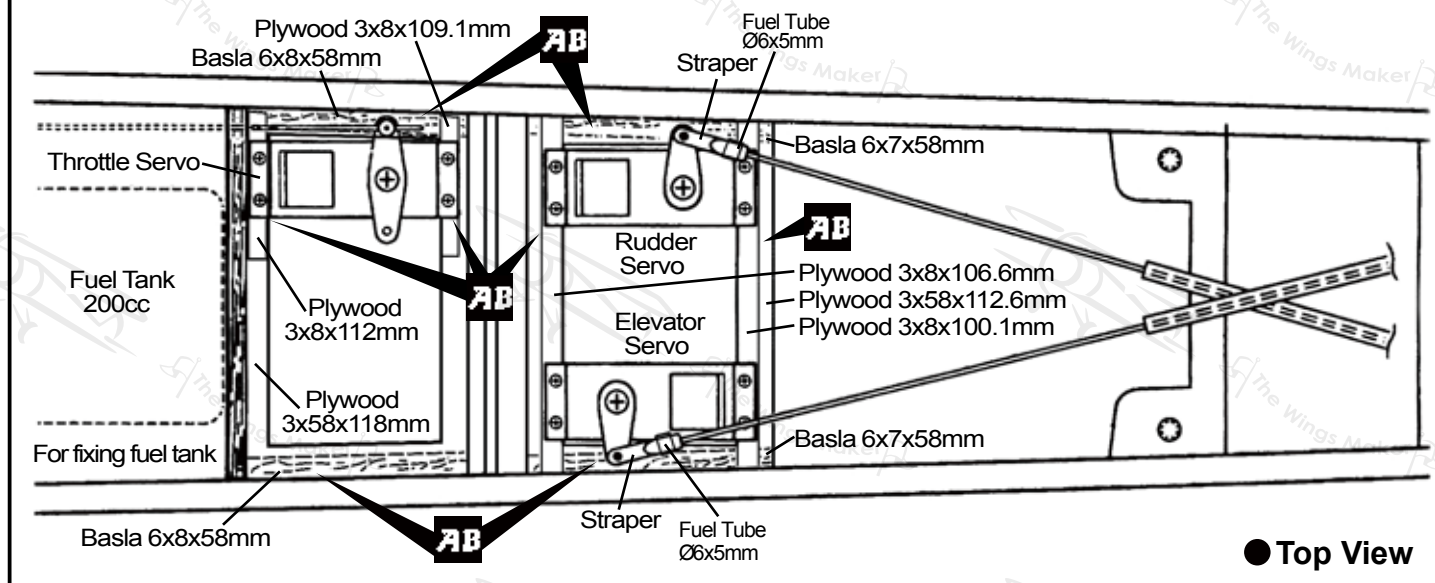
2mm Washer



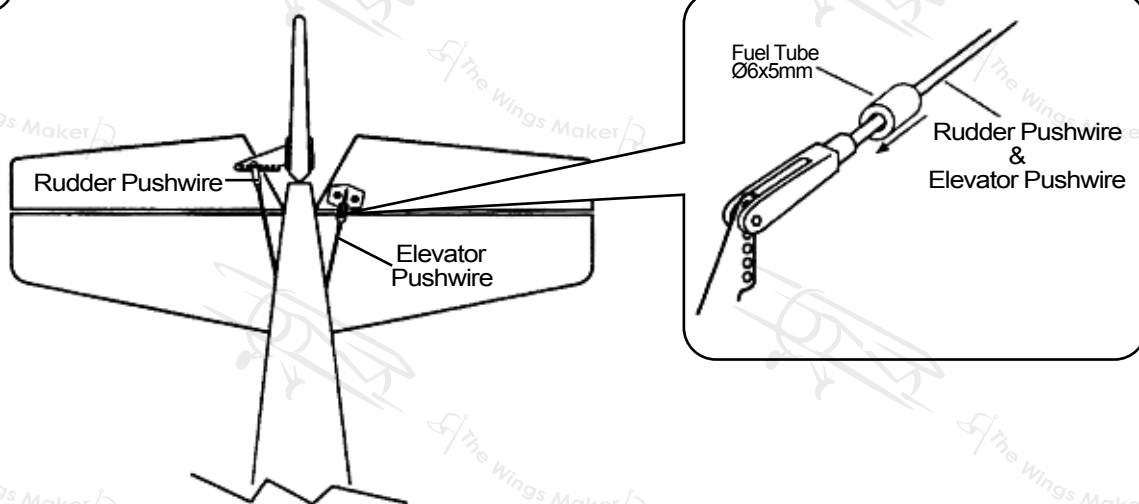
 Please refer to attached sheet for linkage connector installation.

16 Radio Equipment

● Install and arrange the servo as shown in the diagram.

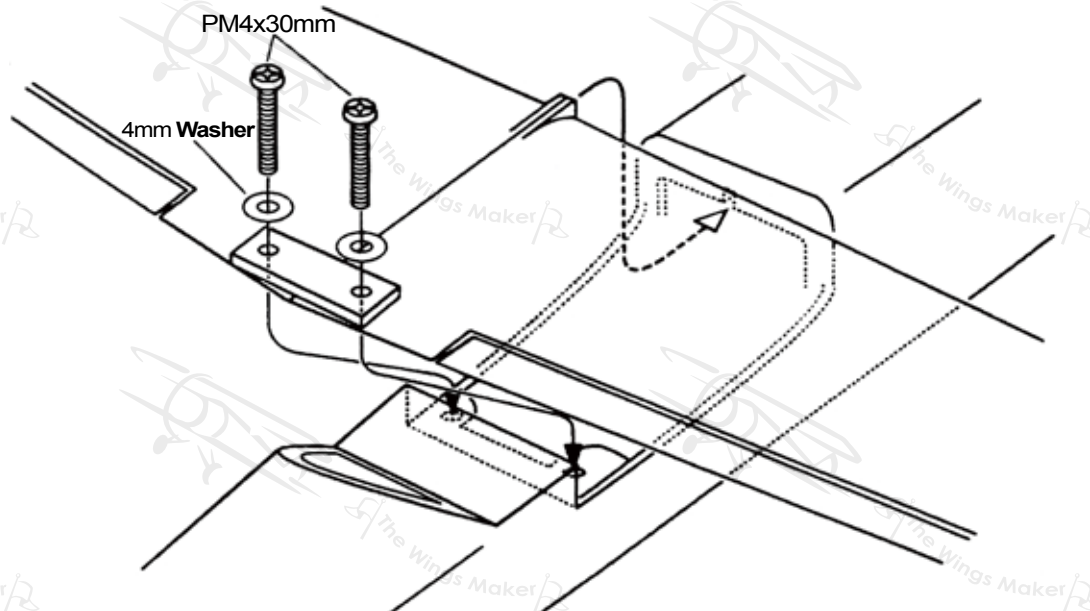


17 Linkage



18 Main Wing

PM4x30mm Screw	— 2
4mm Washer	— 2

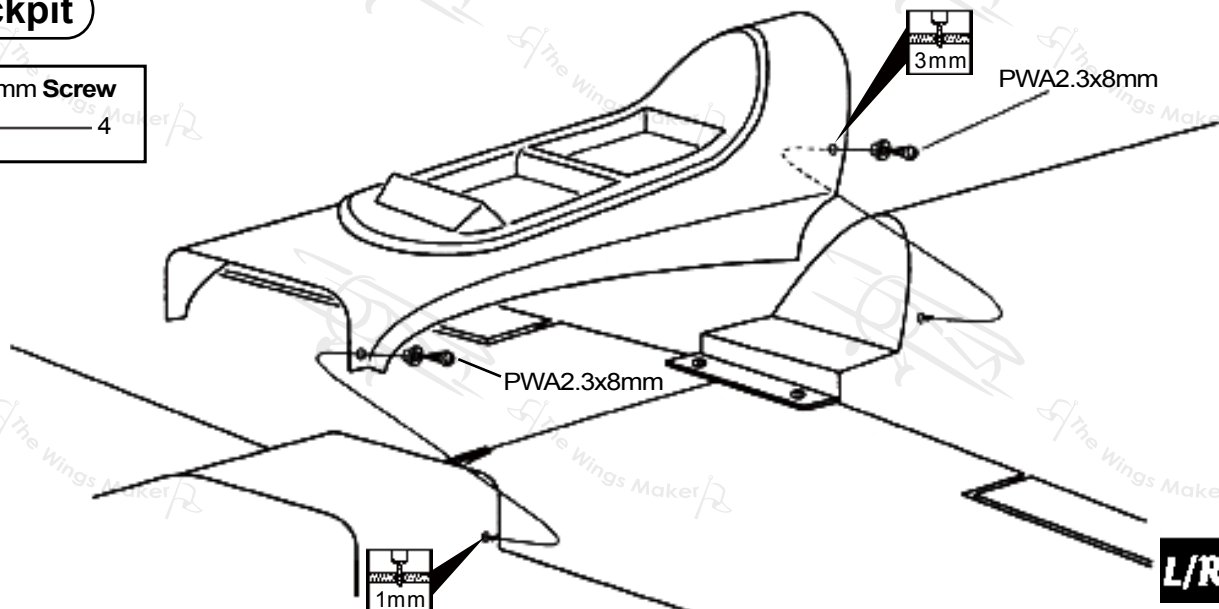


19 Cockpit

PWA2.3x8mm Screw



4



20 Canopy

PWA2.3x8mm Screw

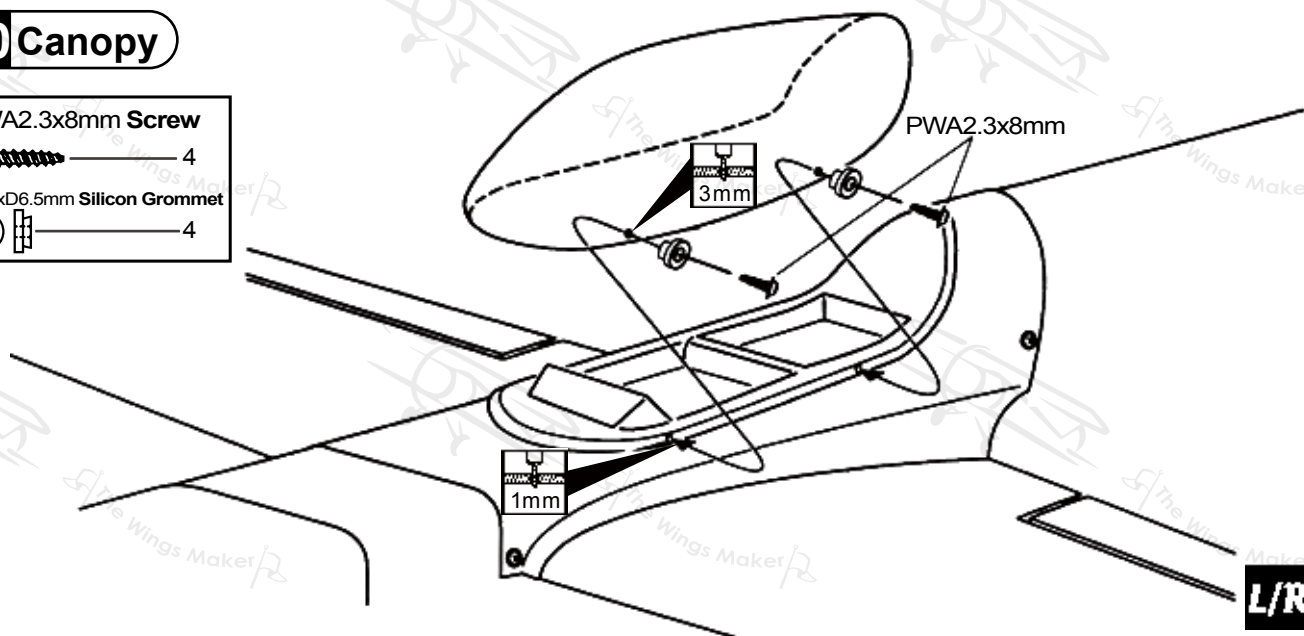


4

d1.5xD6.5mm Silicon Grommet

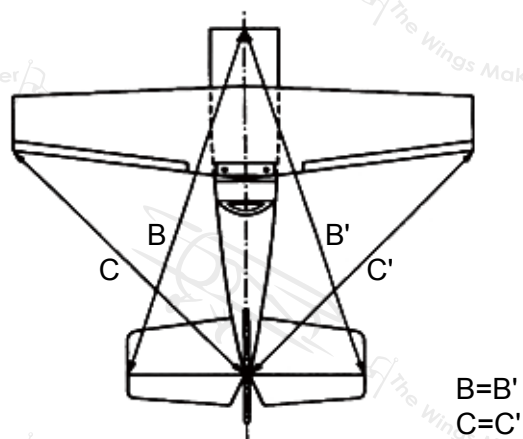
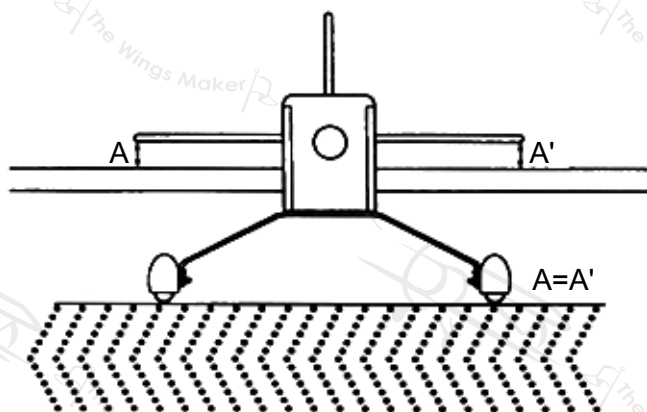


4



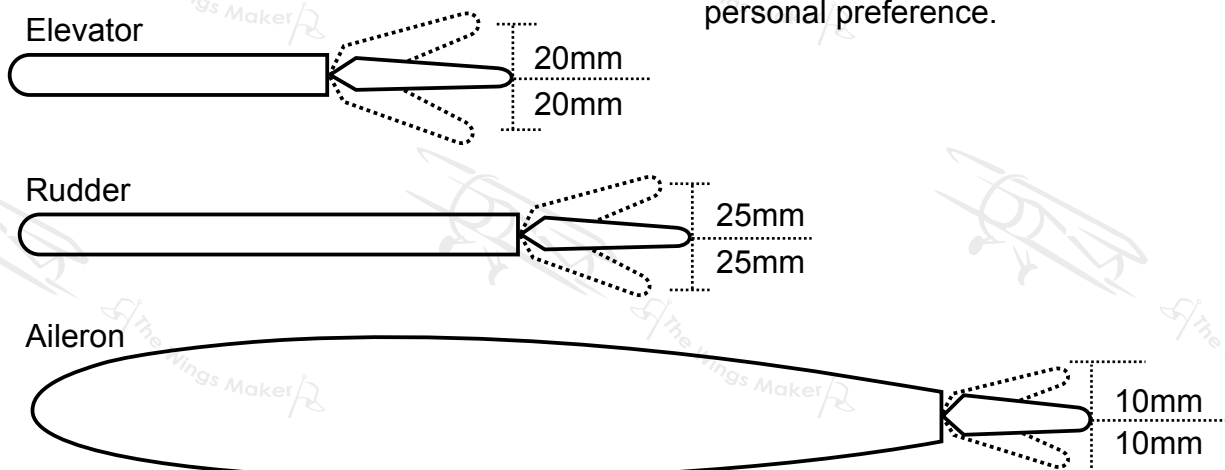
21 Wing Setting

- Adjust the wing and fuselage configuration as shown in the diagrams.



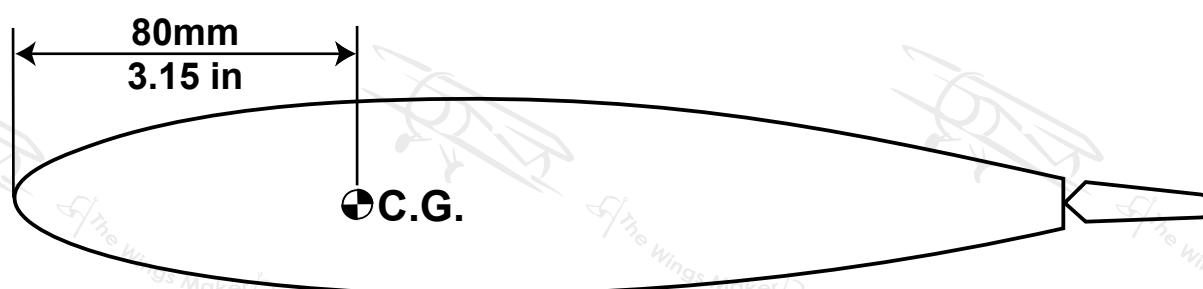
22 Control Throws

Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.



23 C.G.

The ideal C.G. position is 80mm (3.15 in) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.



! Warning!

Important Safety Precautions

- # First time flyer should never fly by himself / herself. Assistance from experienced flyer is absolutely necessary.
- # Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.
- # **EXTRA 300 - 30** is specially designed to be powered by **4C 0.48-0.52** engine (Glow), using a more powerful engine does not mean better performance. In fact, over powered engine may cause structural damage and injuries.
- # Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller.
- # If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering.
- # Check and re-tighten up all factory assembled screws, use thread locker if applicable.

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