

Radio control model / Flugmodell

BEECHCRAFT

T-34C TURBO MENTOR

MILITARY TRAINER



ALL BALSA, PLYWOOD CONSTRUCTION AND ALMOST READY TO FLY

Instruction manual / Montageanleitung

SPECIFICATIONS

Wingspan:.....1560mm (61.4in)
Length:.....1170mm (46 in)
Electric Motor:.....See next pager
Glow Engine:......46 2-T / .70 4-T
RTF Weight: 3.2Kg / 7.05lbs (Will vary with
Equipment Used).
Radio:.....6 Channel / 6-7 Servos
Function: Ailerons-Elevator-Rudder-Throttle
Flaps-Optional Retractable Landing Gear.

TECHNISCHE DATEN

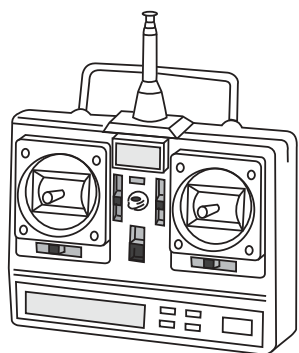
Spannweite:.....1560mm
Länge:.....1170mm
Elektroantrieb.....(siehe nächste Seite)
Verbrennerantrieb:.....7.45cc - 11.5cc
Fluggewicht:.....3.2Kg
Fernsteuerung.....6 Kanal / 6-7 Servos

NEXA

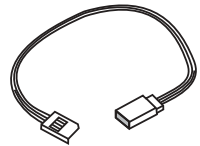
WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of control and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if you are unexperienced.

ACHTUNG! Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflugpiloten bestimmt, die ausreichende Erfahrung im Umgang mit derartigen Modellen besitzen. Bei unsachgemäßer Verwendung kann hoher Personen- und/oder Sachschaden entstehen. Fragen Sie in einem Modellbauverein in Ihrer Nähe um professionelle Unterstützung, wenn Sie Hilfe im Bau und Betrieb benötigen. Der Zusammenbau dieses Modells ist durch die vielen Abbildungen selbsterklärend und ist für fortgeschrittene, erfahrene Modellbauer bestimmt.

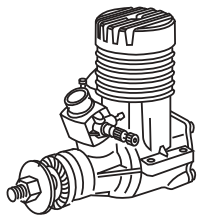
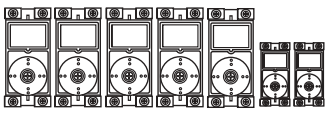
REQUIRED FOR OPERATION (Purchase separately) More info: www.pichler-modellbau.de



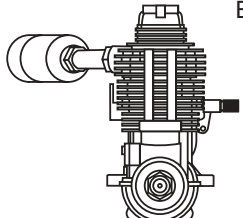
10.5x6 for .40 - 2 cycle engine
 11x6 for .46 - 2 cycle engine
 12x6 for .60 - 4 cycle engine
 12x7 for .70 - 4 cycle engine
 13x7 for electric motor



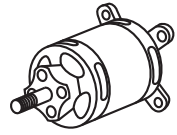
Extension cord for aileron servos: 50cm(x2)
 Extension cord for flap servos: 50cm(x4)
 Extension cord for retract servos: 30cm(x3)
 Extension cord for Rx battery pack: 20cm(x1)



.46 ~ .50 - 2 cycle



.60 ~ .70 - 4 cycle



700-800W Brushless Motor

Minimum 6 channel radio for airplane with 5 (4 for EP) standard servos and two servo mini.

.Motor control x1 (for GP) .Elevator x1
 .Rudder x1. Aileron x2. Flap x2 mini servo

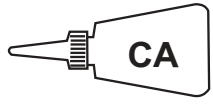


Silicone tube

GLUE (Purchase separately)



Silicon sealer



Cyanoacrylate Glue

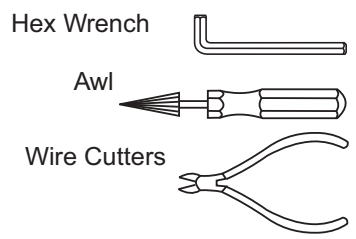
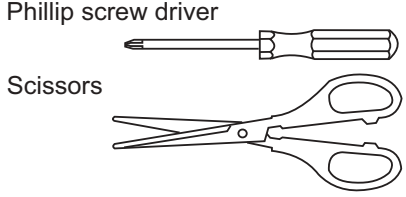
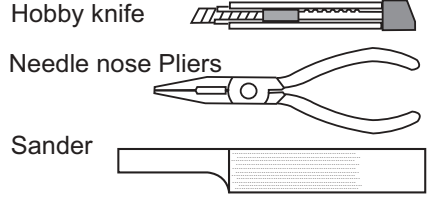


Epoxy Glue (5 minute type)



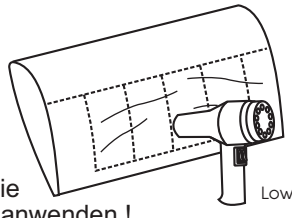
Epoxy Glue (30 minute type)

TOLLS REQUIRED (Purchase separately)



Masking tape - Straight Edged Ruler - Pen or pencil - Drill and Assorted Drill Bits

If exposed to direct sunlight and/or heat, wrinkles can appear. Storing the model in a cool place will let the wrinkles disappear. Otherwise, remove wrinkles in covering film with a hair dryer, starting with low temperature. You can fix the corners by using a hot iron.



Low setting

Bei Sonneneinstrahlung und/oder Wärme kann die Folie erschlaffen bzw. Falten entstehen. Verwenden Sie ein Warmluftgebläse (Haartrockner) um evtl. Falten aus der Folie zu bekommen. Die Kanten können Sie mit einem Bügeleisen behandeln. Nicht zuviel Hitze anwenden !

Symbols used throughout this instruction manual, comprise:

Drill holes using the stated size of drill (in this case 1.5 mm \varnothing)	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
Löcher bohren mit dem angegebenen Bohrer (hier 1,5 mm)	Hier besonders aufpassen	Schraffierte Stellen, Bespannfolie vorsichtig entfernen	Während des Zusammenbaus immer prüfen, ob sich die Teile auch reibungslos bewegen lassen
Epoxy-Klebstoff verwenden	Sekundenkleber auftragen	Linke und rechte Seite wird gleichermaßen zusammgebaut	Nicht enthalten. Teile müssen separat gekauft werden.

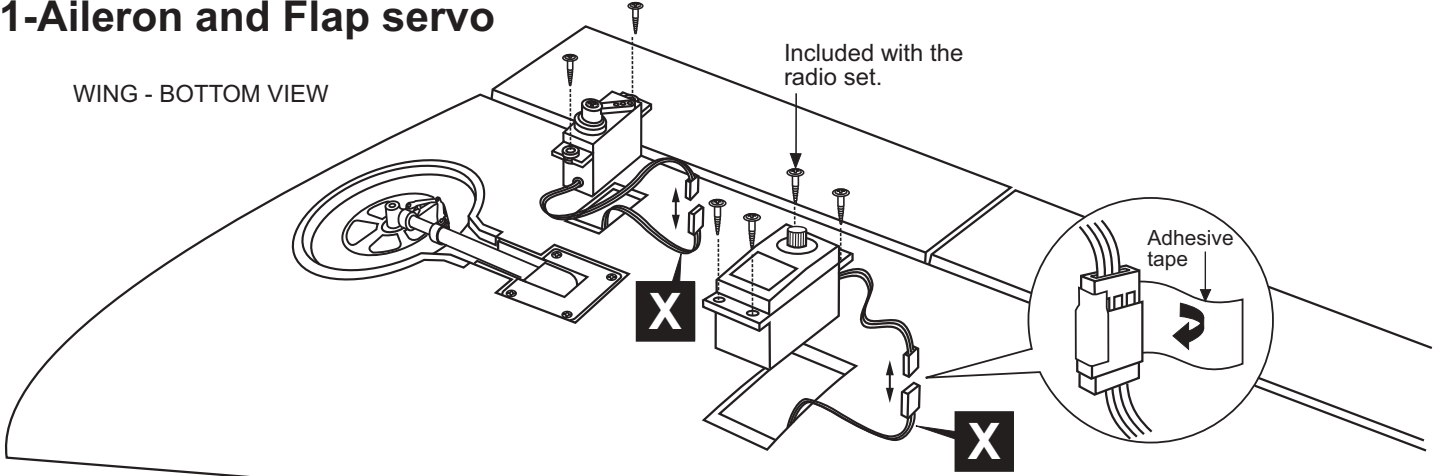
Read through the manual before you begin, so you will have an overall idea of what to do.

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-Aileron and Flap servo

WING - BOTTOM VIEW



Included with the radio set.

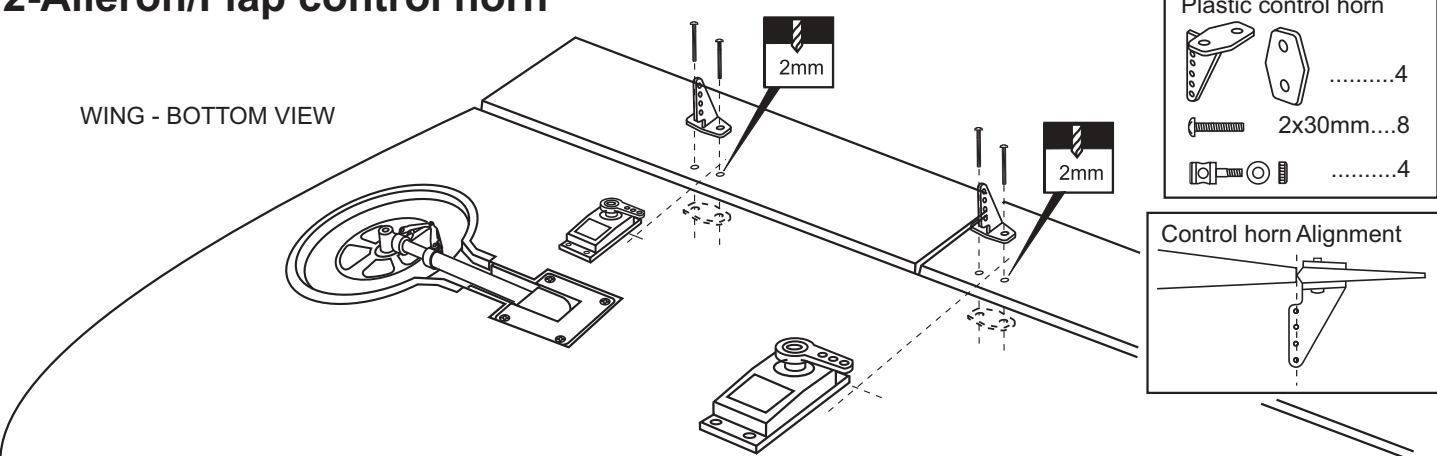
Adhesive tape

- 1-Cut away the covering of the wing bottom where the aileron and flap servo goes.
- 2-Connect the aileron and flap servo cord to the aileron and flap extension cord.
- 3-Install the aileron and flap servo on the servo mount.

Do the same way with second wing half.

2-Aileron/Flap control horn

WING - BOTTOM VIEW



Plastic control horn

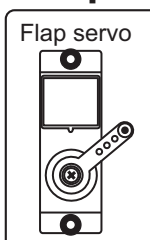
-4
- 2x30mm...8
-4

Control horn Alignment

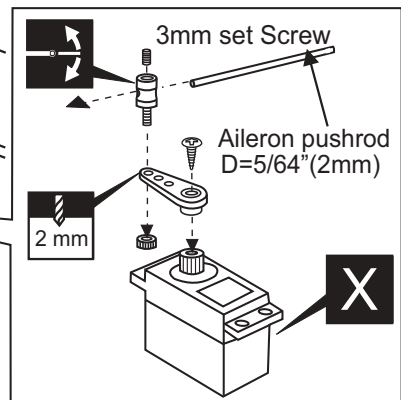
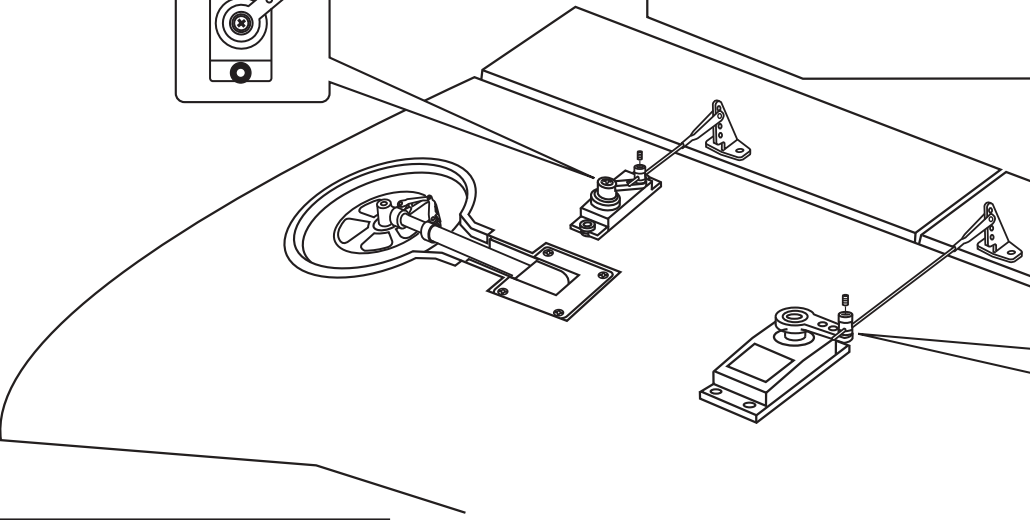
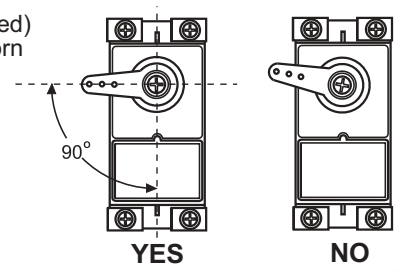
- 1-Depending on the position of the linkage, determine the location of aileron control horn. The horn holes must be perfectly aligned with the axis of articulation.
- 2-Mark the position of the "foot" of the horn on the aileron. Then, with the drill, make the 2 holes.
- 3-Install the aileron control horn as shown.

Do the same way with second wing half.

3-Aileron/Flap linkages



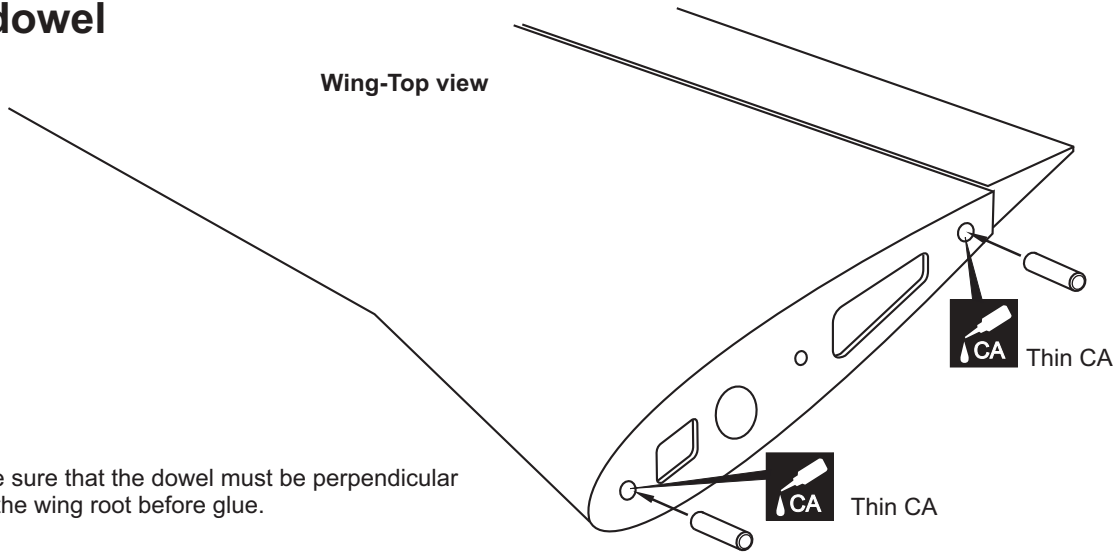
-Switch on the radio (trims centered) then mount the **ailerons** servo horn in neutral position.
-The servo horn should be perpendicular to the servo



Do the same way with second wing half

4-Wooden dowel

Wing-Top view

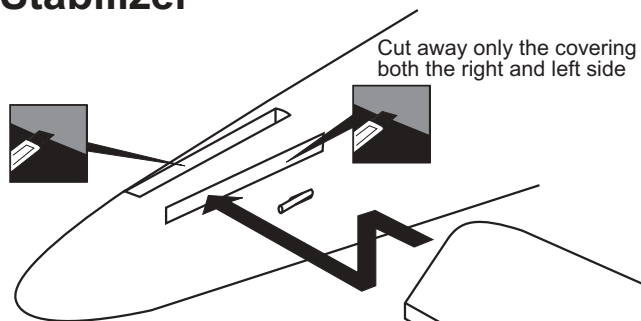


Thin CA

Thin CA

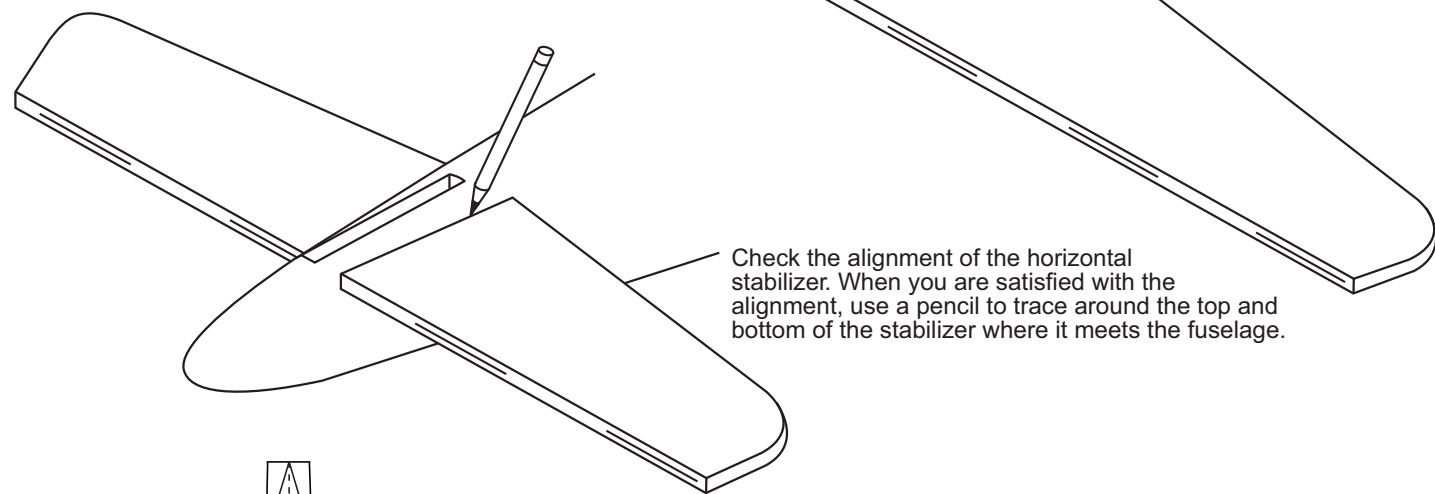
Note: Make sure that the dowel must be perpendicular with the wing root before glue.

5-Horizontal Stabilizer

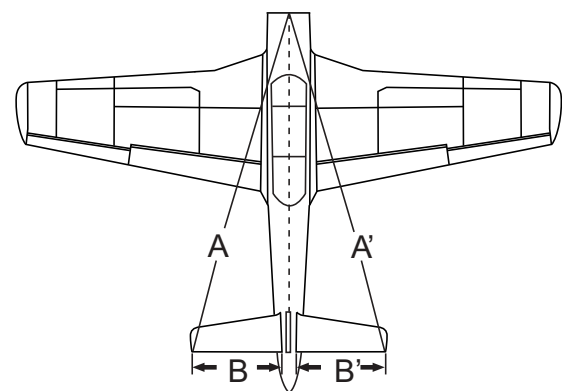


Cut away only the covering
both the right and left side

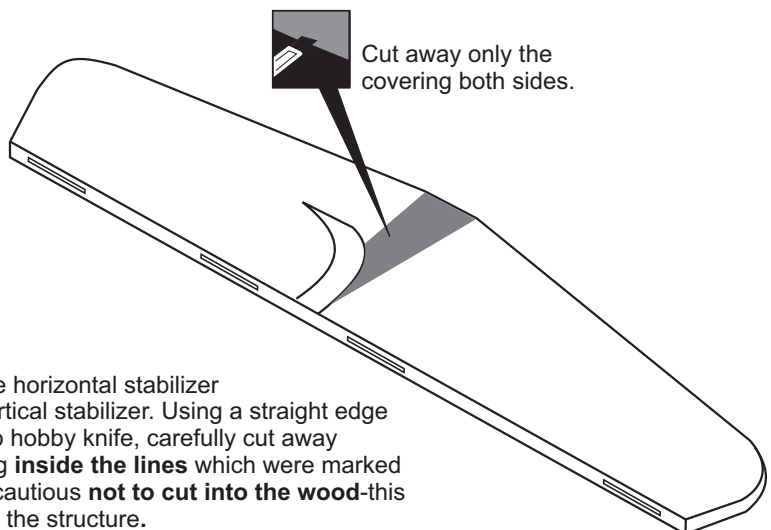
Trial fit the horizontal stabilizer in place .



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.



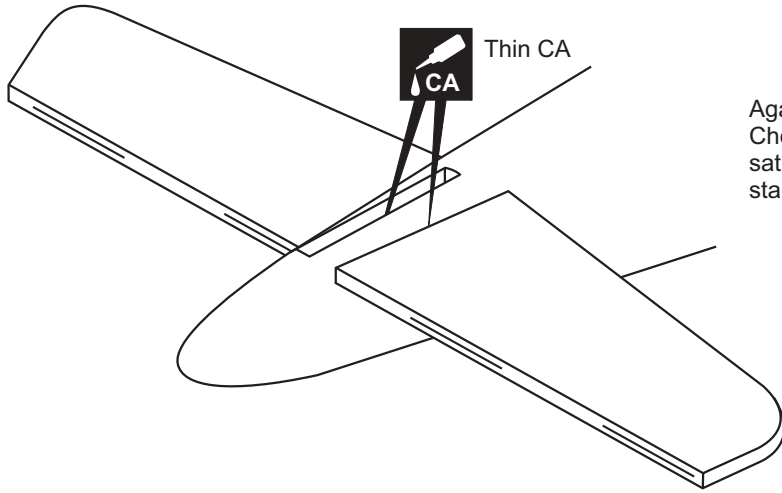
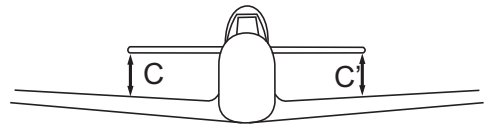
$$A = A'$$
$$B = B'$$



Cut away only the
covering both sides.

Remove the horizontal stabilizer
from the vertical stabilizer. Using a straight edge
and a sharp hobby knife, carefully cut away
the covering **inside the lines** which were marked
above. Be cautious **not to cut into the wood**-this
will weaken the structure.

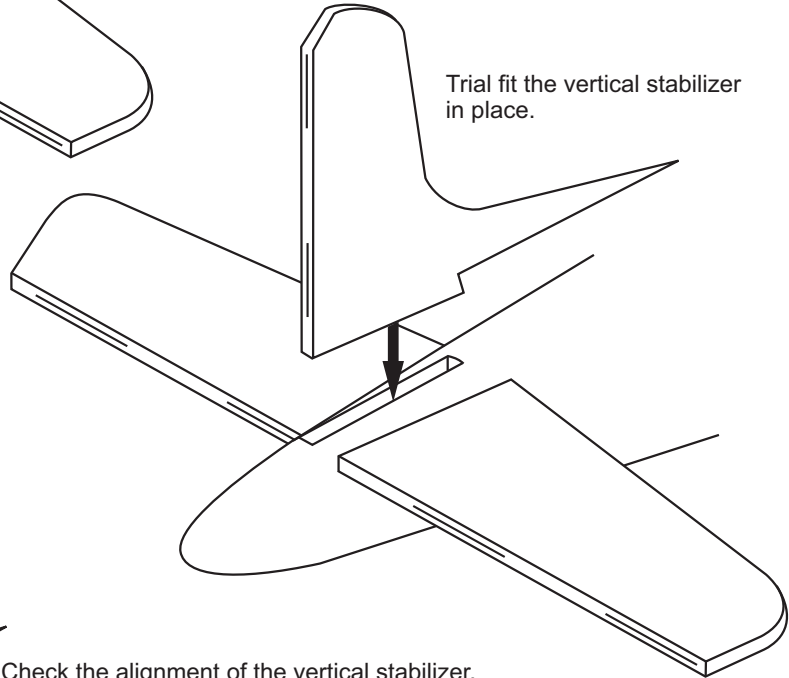
6-Horizontal and Vertical Stabilizer



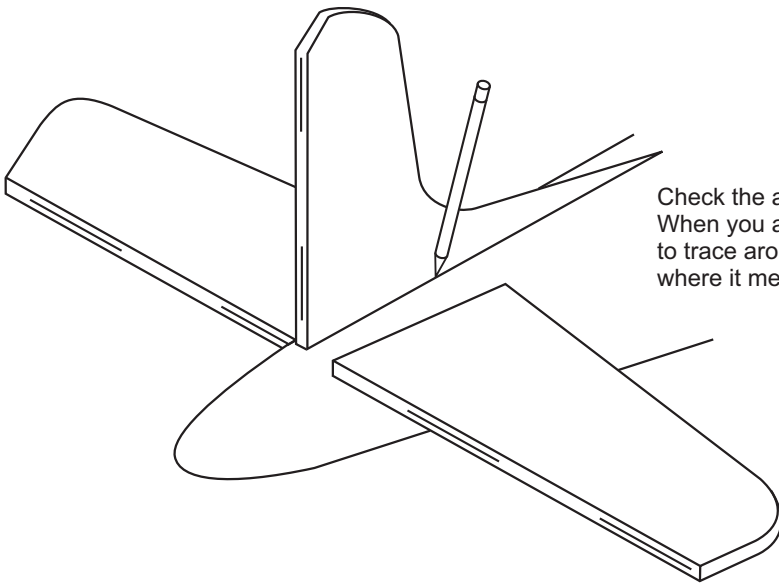
Thin CA

Again, slide the horizontal stabilizer into the slot on the fuselage. Check the alignment of the horizontal stabilizer. When you are satisfied with the alignment, glue the both sides of the horizontal stabilizer where it meets the fuselage.

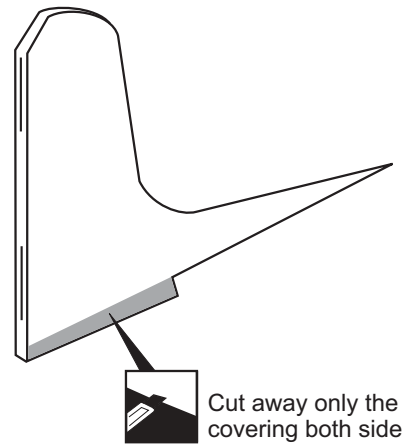
! Securely glue together. If coming off during fly, you lose control of your air plane.



Trial fit the vertical stabilizer in place.

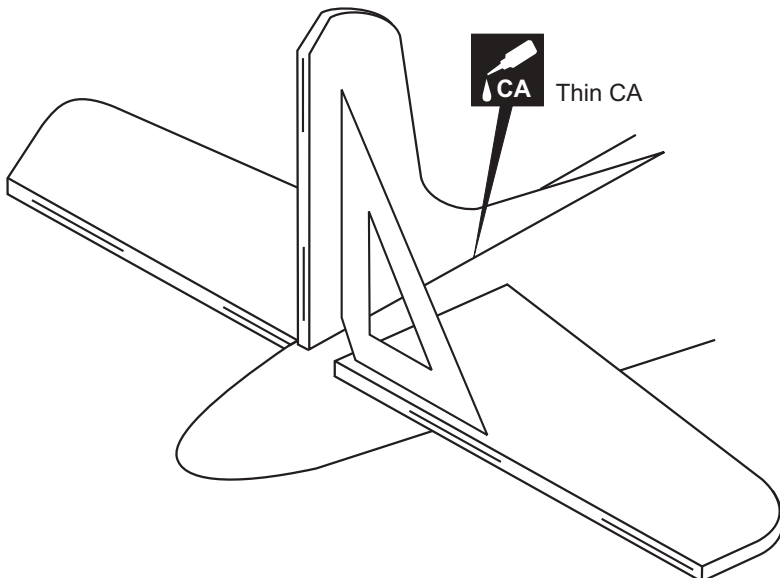


Check the alignment of the vertical stabilizer. When you are satisfied with the alignment, use a pencil to trace around the left and right of the vertical stabilizer where it meets the fuselage.



Cut away only the covering both sides.

Remove the vertical stabilizer from the fuselage. Using a sharp hobby knife, carefully cut away the covering **below the lines** which were drawn in the previous step. **Do not cut into the woods** as this will affect the structural integrity of the stabilizer.



Thin CA

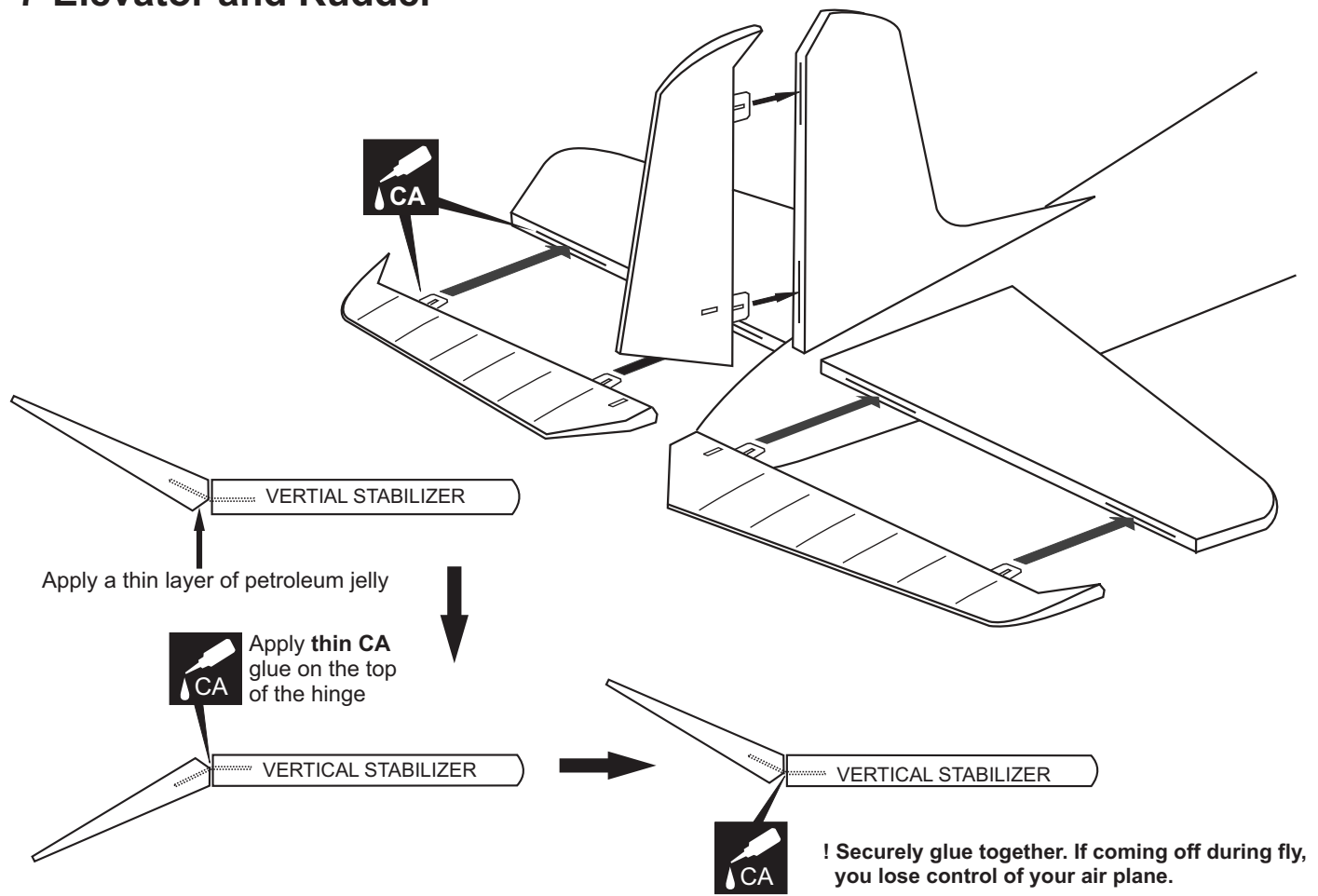
Again, insert the vertical stabilizer into the fuselage.

With the perpendicular, check the alignment of the vertical stabilizer and the horizontal stabilizer.

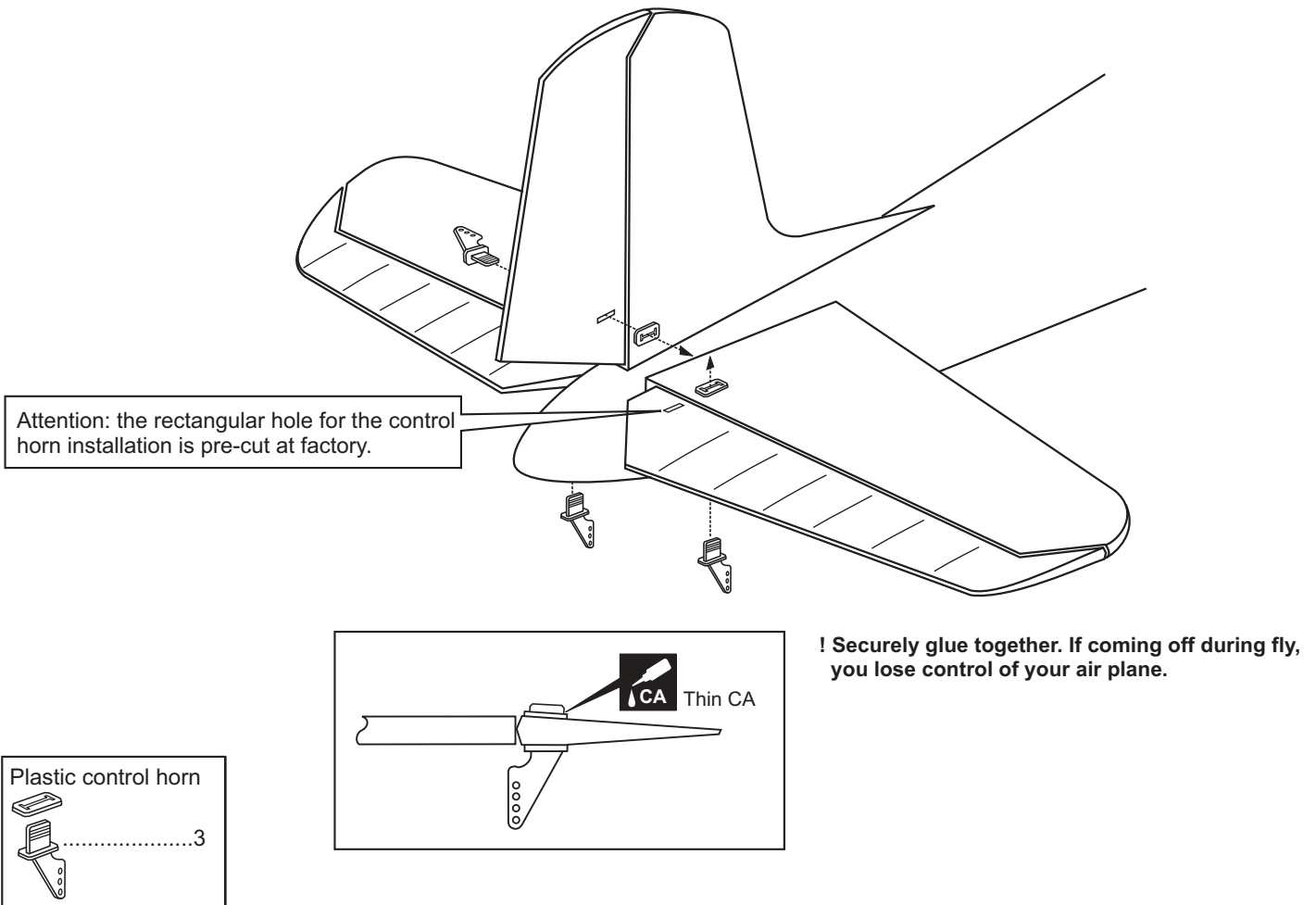
When you are satisfied with the alignment, secure the vertical stabilizer in place using thin CA glue.

! Securely glue together. If coming off during fly, you lose control of your air plane.

7-Elevator and Rudder



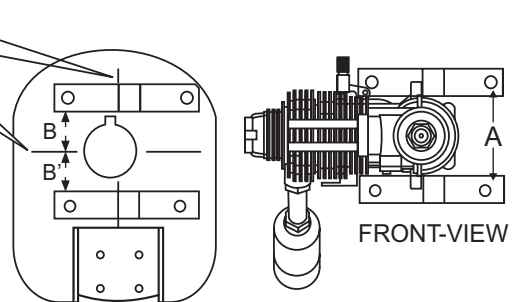
8-Control horn



9-Engine mount / Engine

5/32x1"	1/8x5-1/64"
4x25mm screw	3x20mm screw
...4	...4
Blind-nut	1/8"(3mm) nut
.....
.....44

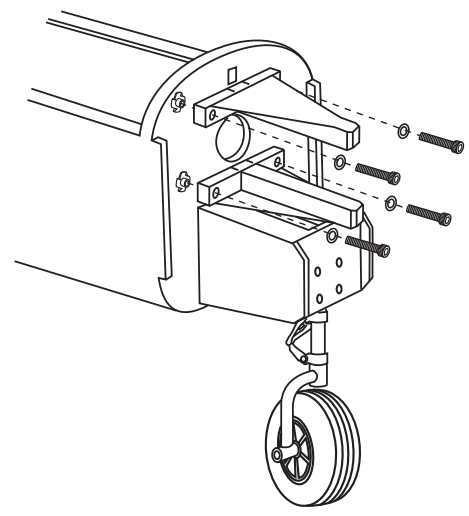
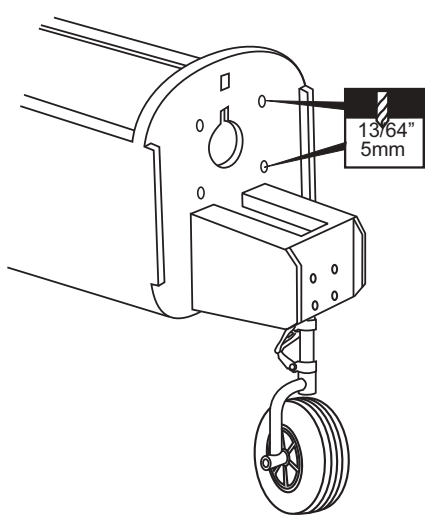
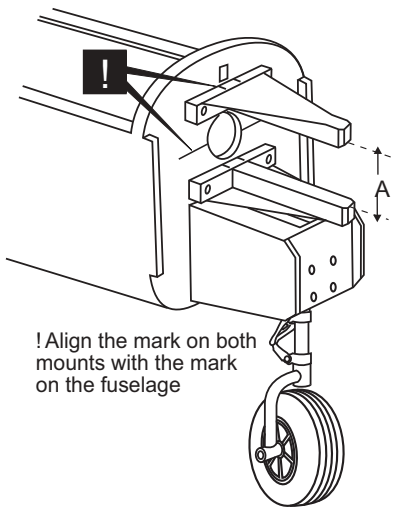
! Align the mark on both mounts with the mark on the fuselage



Using a pencil or felt tipped pen, mark the fire wall where the four holes are to be drilled.

Remove the engine mount and drill a 13/64"(5mm) hole through the fire-wall at each of the four marks marked.

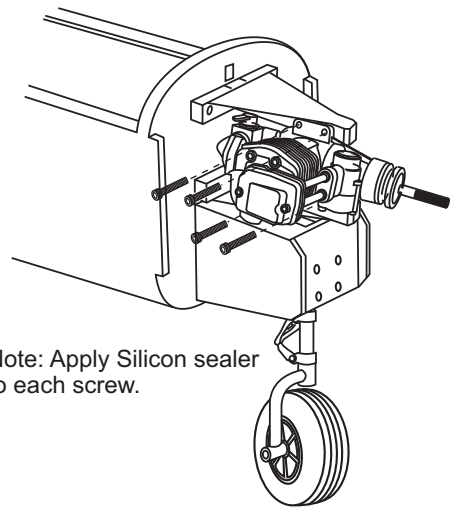
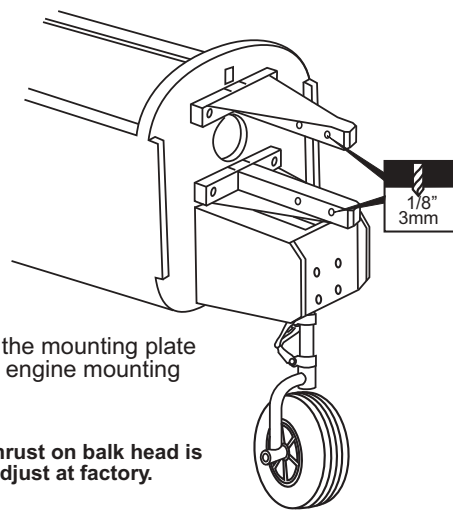
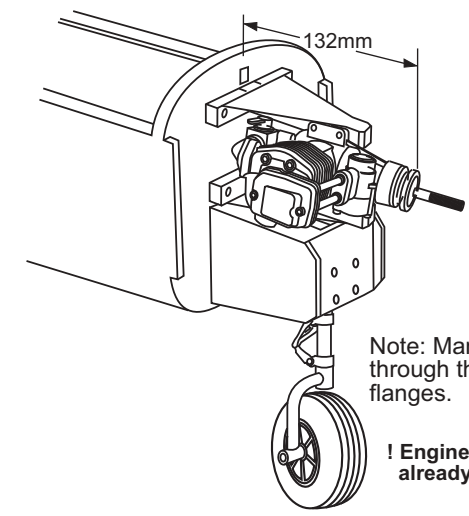
Reposition the engine mounts on to the fire-wall. Attach the four blind-nut to the fire-wall as show. Secure them with four 4x25mm screw.



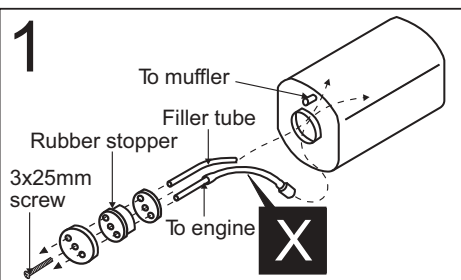
Position the engine on to the engine mounts so the distance from the prop hub to the fire-wall is 5.2"(132mm). Mark the engine mounting plate where the four holes are to be drilled.

Remove the engine and drill a 1/8"(3mm) holes through the beam at each of the four marks made above.

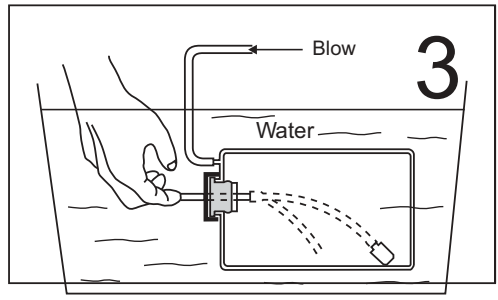
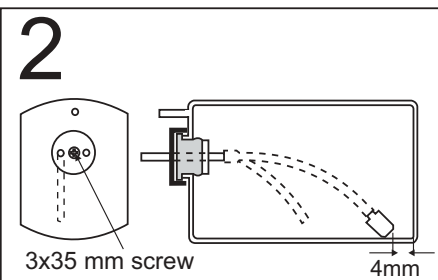
Reposition the engine on the engine mount beams, aligning it with the holes. Secure the engine to the engine mount using four 1/8x51/64"(3x25mm) screws.



10-Fuel tank (in case of glow engine using)

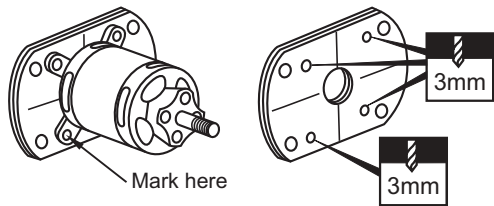


After confirming the direction . Insert this assembly, clunk end first, into the fuel tank and tighten and screw the fuel tank cap on firmly. Ensure that the fuel tank clunk does not touch the rear of the fuel tank.



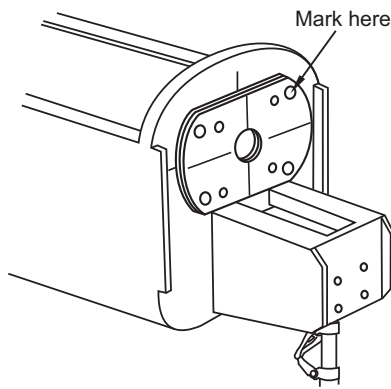
Checking for leaks - block the vents and blow into the feed - if in doubt submersing the tank in a blow of water will show up any problems.

11-Electric Motor

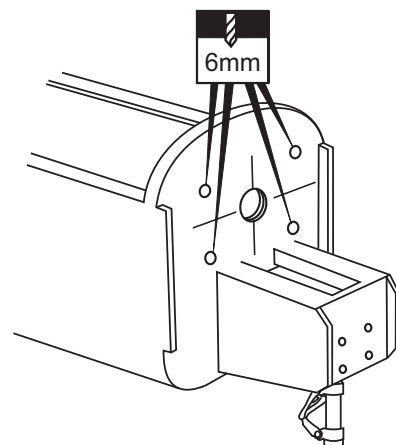


Using an aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled.

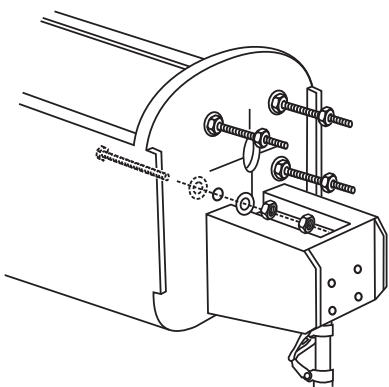
Remove the motor and drill a 3mm (1/8") hole at each of the four marks marked.



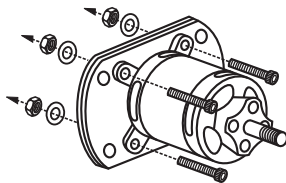
Apply the plywood motor mounting onto the fire-wall. Align the marks on the motor mounting with the marks on the fire-wall. Mark the fire-wall where the four holes are to be drilled.



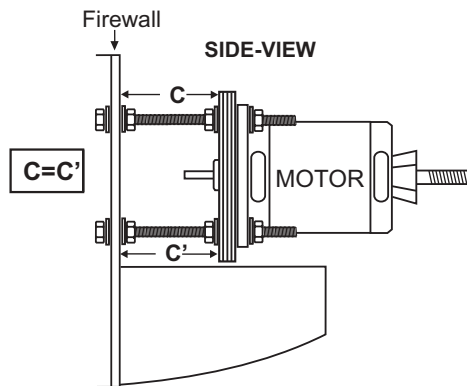
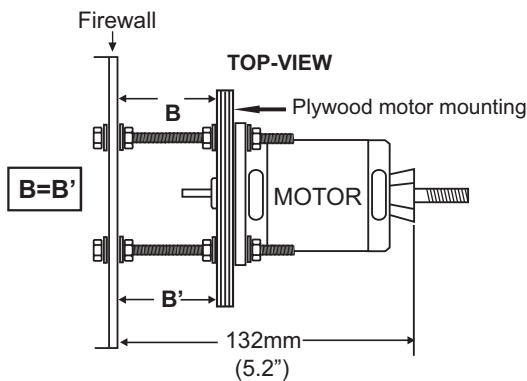
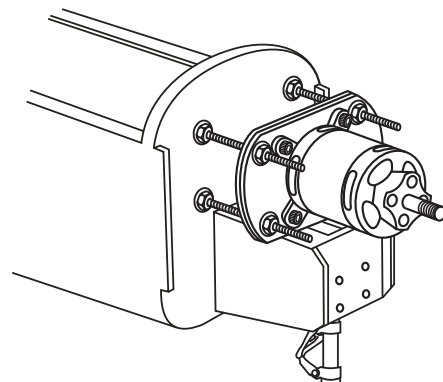
Remove the motor mounting and drill a 6mm hole at each of the four marks marked.



Attach the four 6x100mm bolts, washers and nuts to the fire-wall as shown.



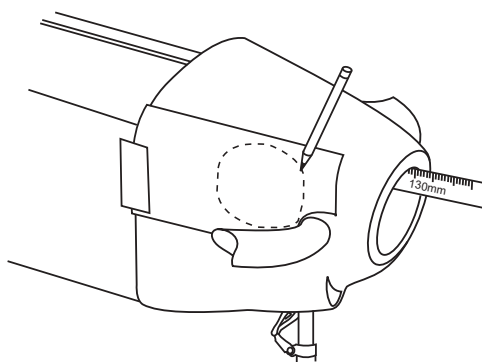
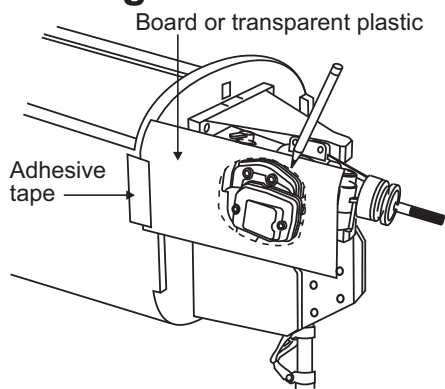
Attach the motor to the motor mounting and secure it in place using the four 3x20mm bolts and nuts.



! Engine thrust on balk head is already adjust at factory

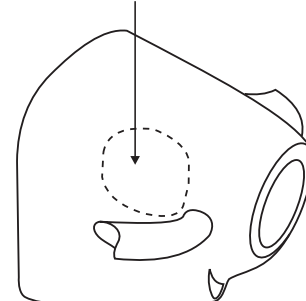
- 6x100mm bolt.....4
- 6mm nut.....12
- 6mm washer...16

12-Cowling



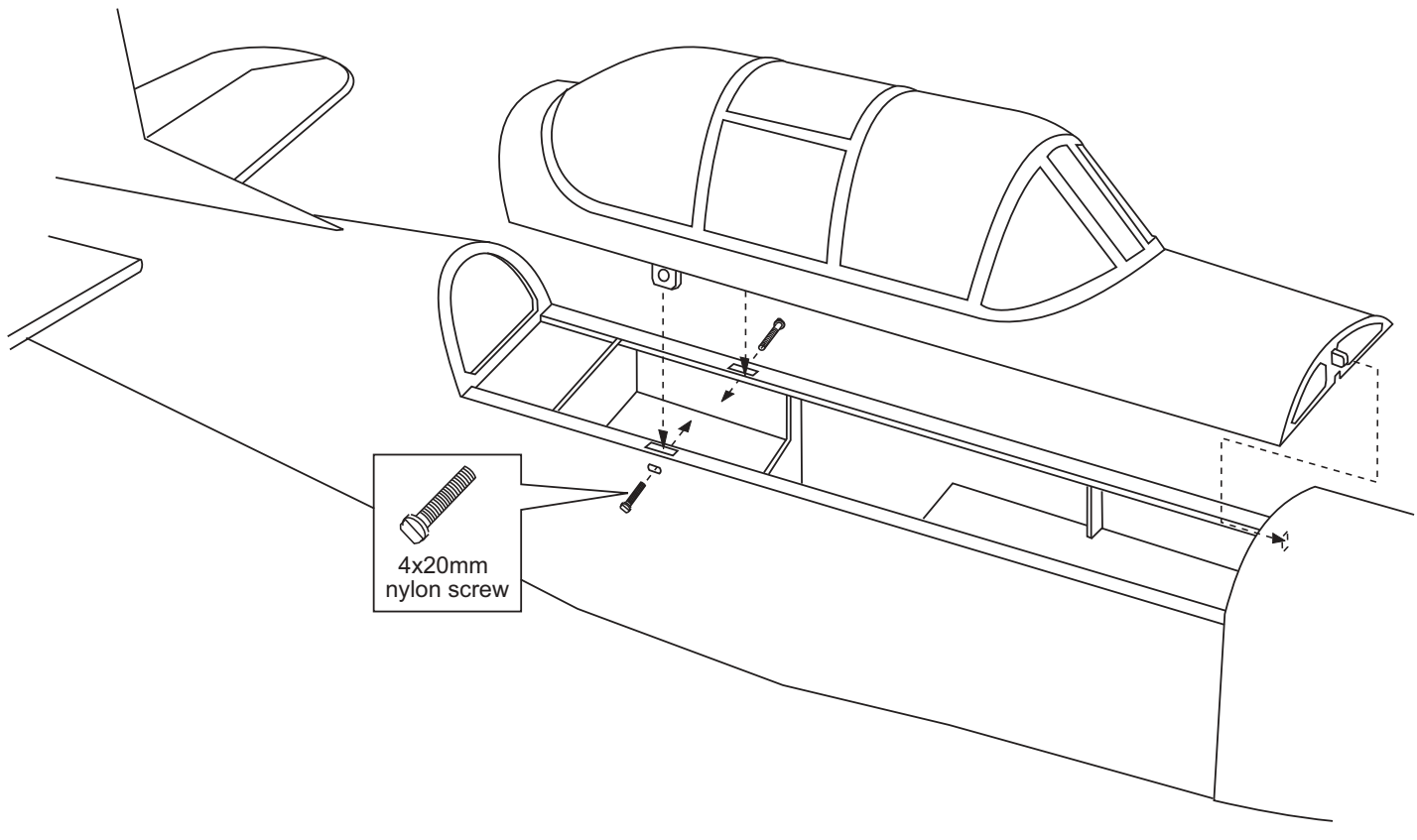
Cut the opening

- 2.5x10mm screw3



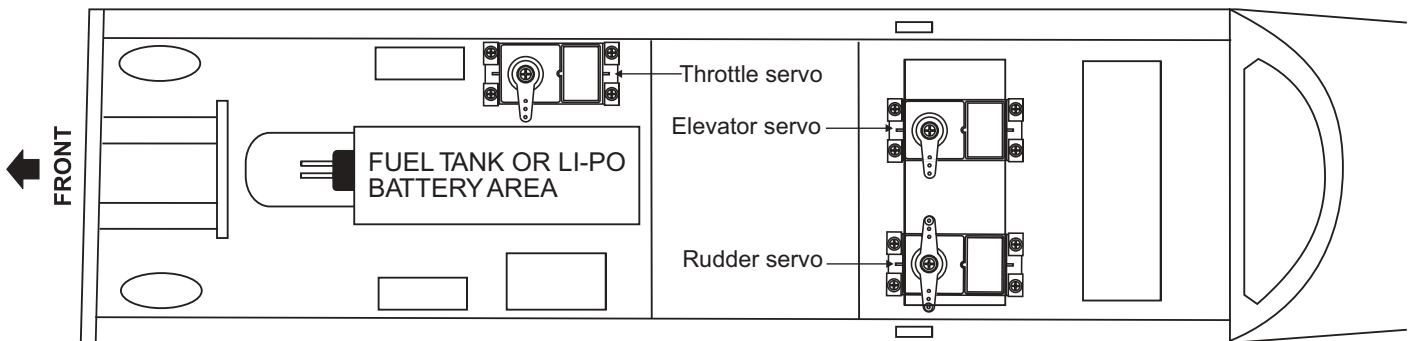
- 1-Attach the board or transparent plastic on the side of the fuselage with the adhesive tape as show.
- 2-Using a pencil or felt tipped pen trace around the engine head where it meet the cowl. Cut the opening the board or transparent plastic for the engine head as marked before.
- 3-Remove the engine and insert the cowl on to the fuselage so the distance from the fire wall to the front of the cowl is 5.1"(130mm). Trace around inside the hole on the board or transparent plastic with a pencil.
- 4-Remove the cowl from the fuselage and carefully cut the opening for the engine head as marked above. Do the same way with the hole for needle-valve.
- 5-Again. Insert the cowl on to the fuselage and secure it in place with five 2.5x10mm self tapping screws.

13-Canopy



14-Servo

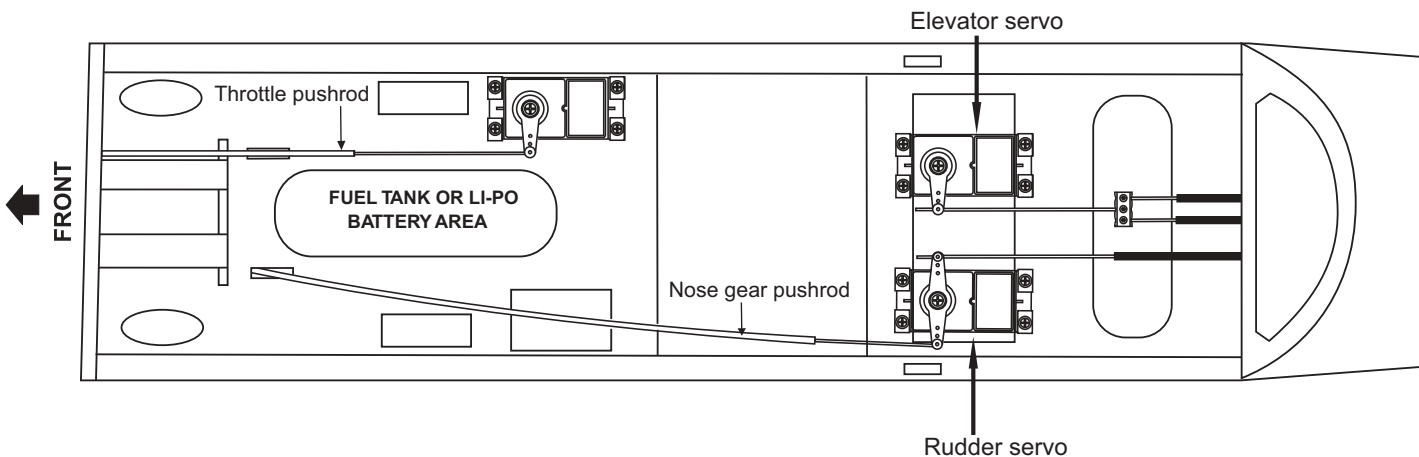
FUSELAGE - TOP VIEW



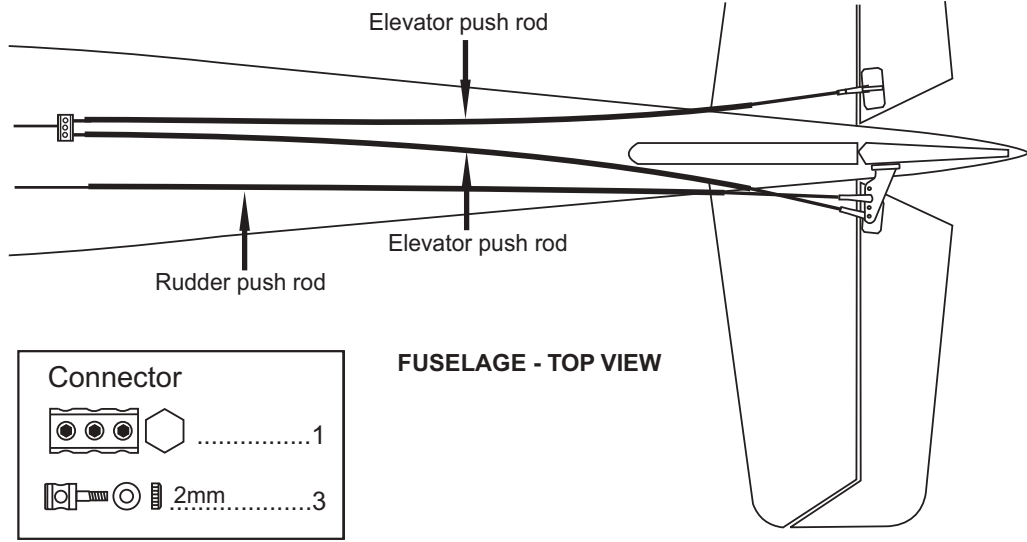
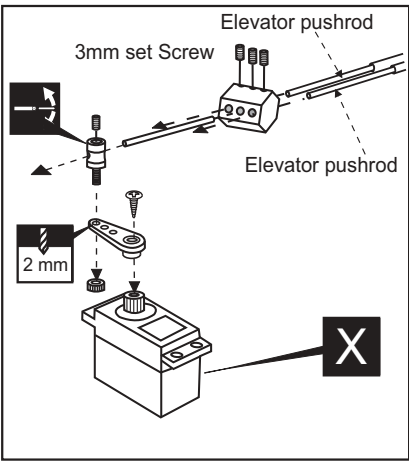
Shift the location of the fuel tank, battery pack, or Li-po battery as needed to obtain the specified CG.

15-Linkages

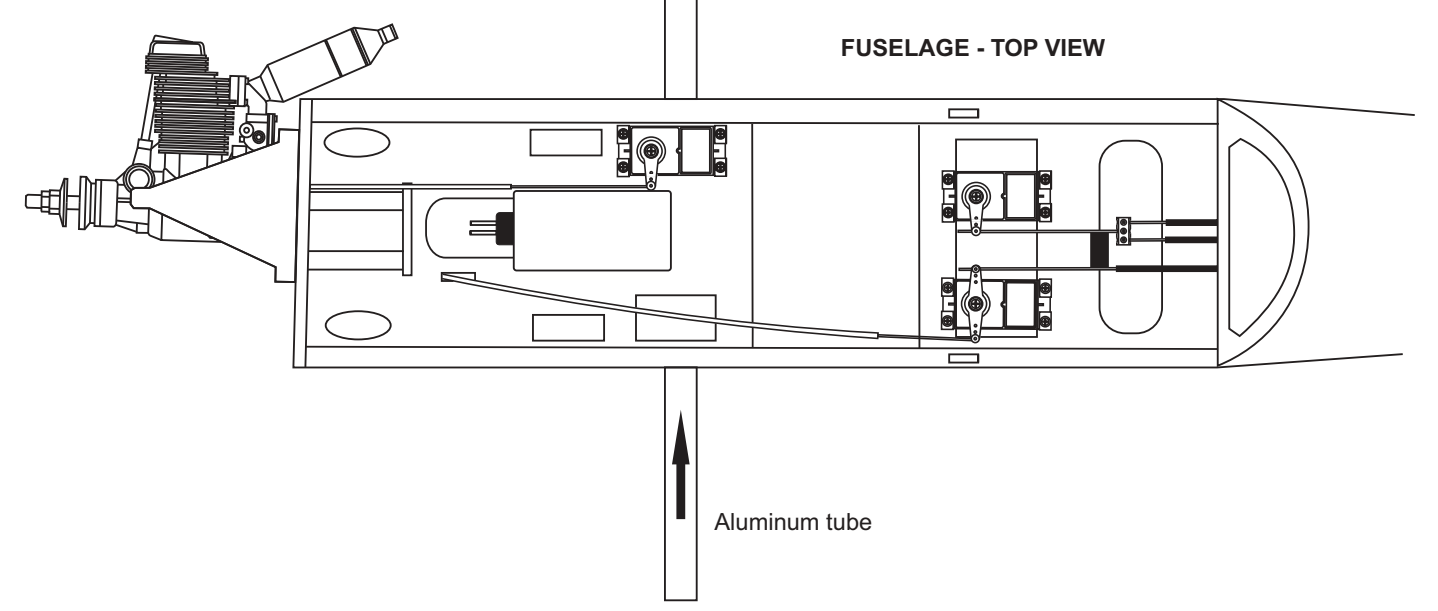
FUSELAGE - TOP VIEW



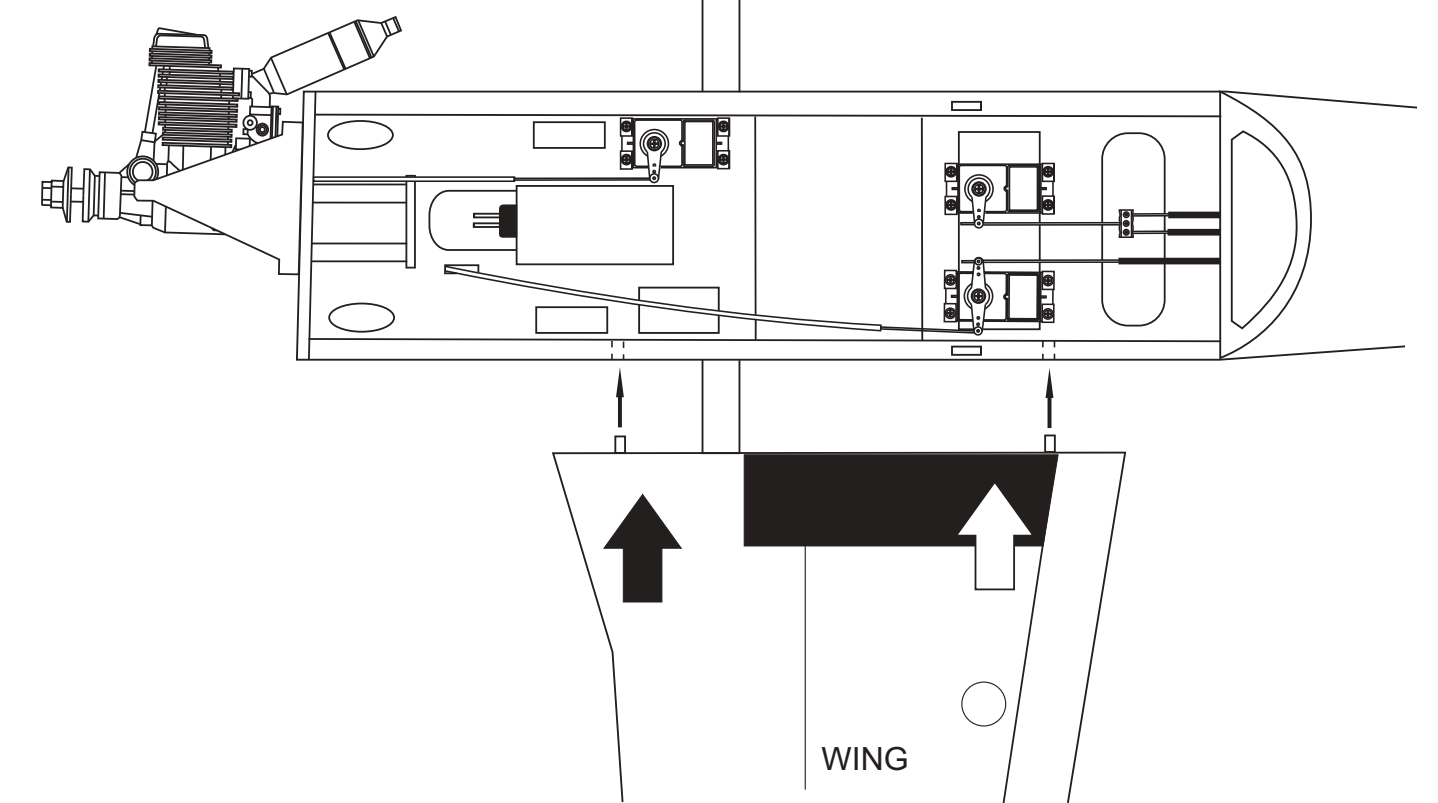
16-Linkages



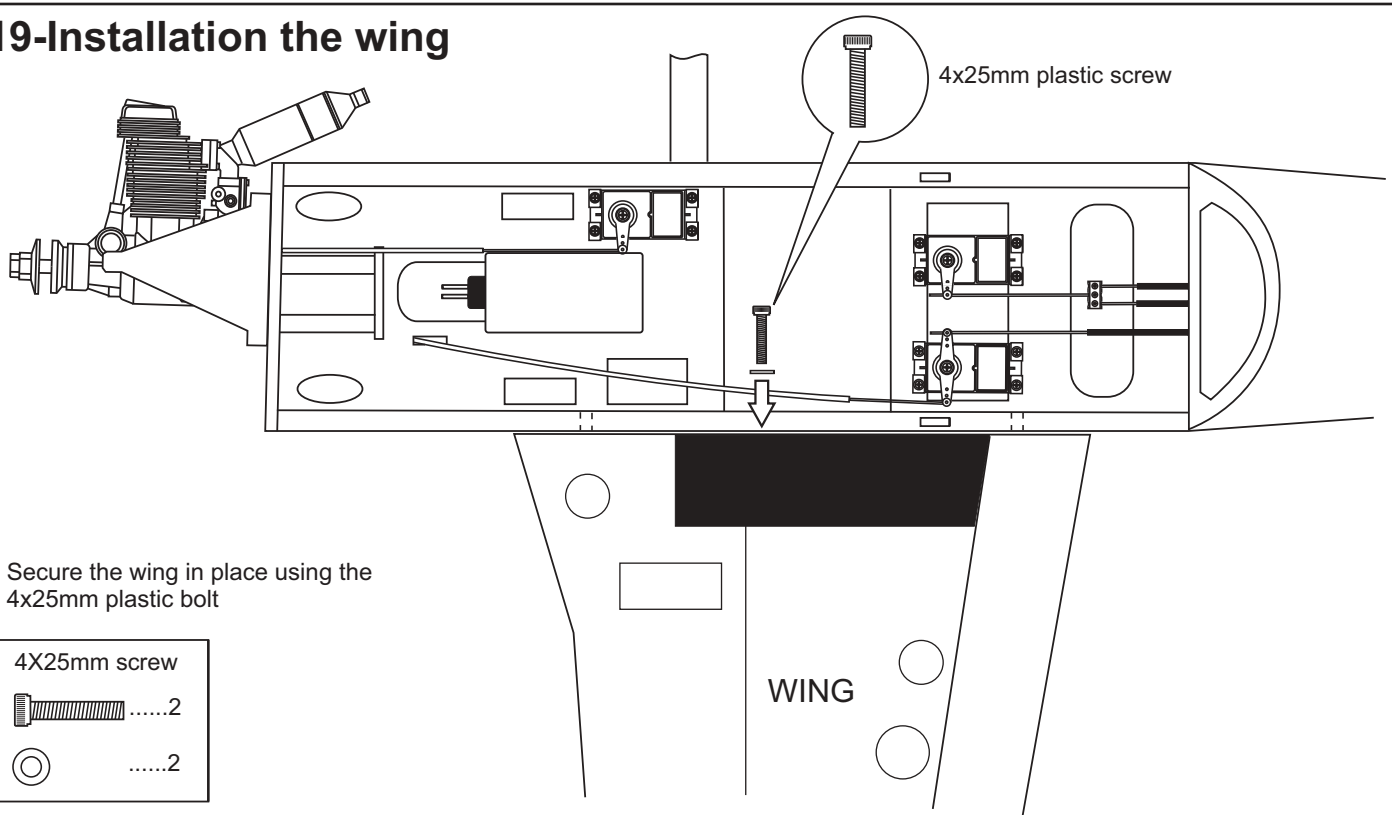
17-Installation the Wing



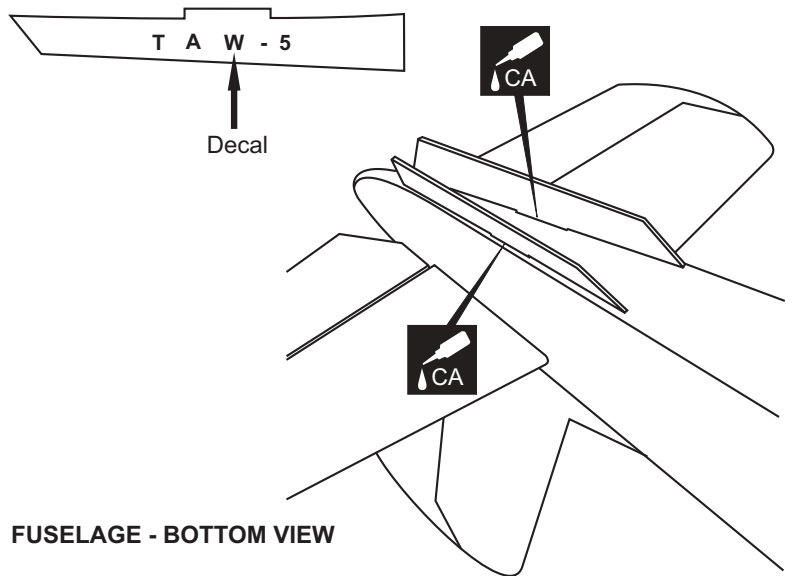
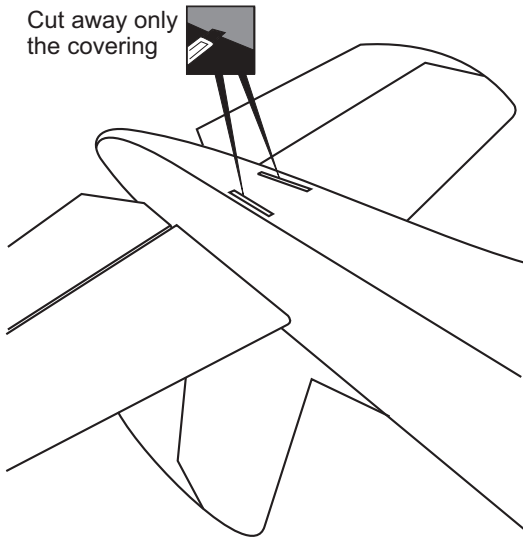
18-Installation the Wing



19-Installation the wing

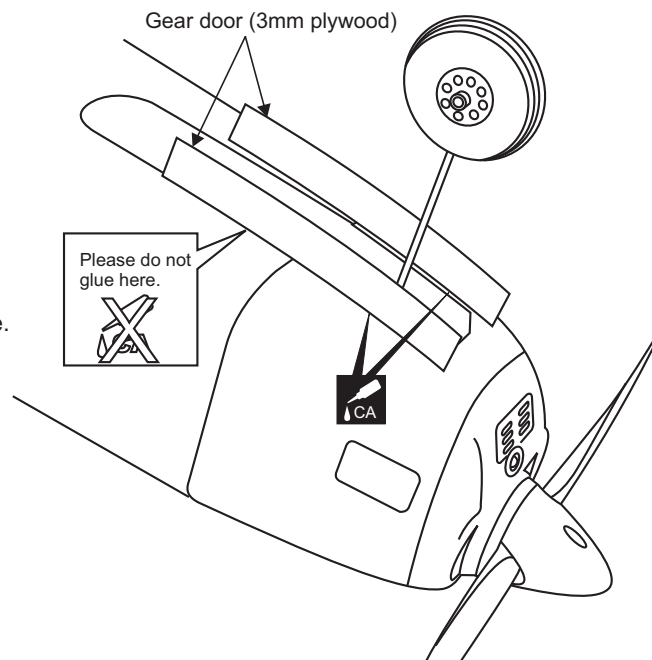


20-Decor

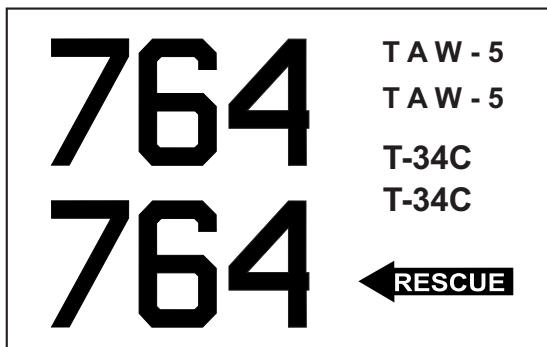


Nose Gear door installation

Note: Glue the Right and Left gear door on to the cowl only. Please do not glue them on to the fuselage if you want to remove the cowl out of the fuselage.



21-Decal

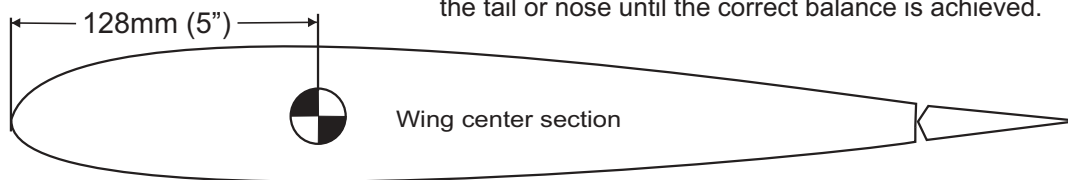


Note: Cut out the stickers and apply them in the proper area. Do not peel the backing paper off all at once. Peel off one corner of the backing and cut off with scissors. Arrange sticker on model and when satisfied adhere the corner without backing. Carefully peel back the rest of the backing while at the same time adhering the rest of the sticker. Try not to make air bubbles, if there are some, carefully puncture sticker (center of bubble) but not model surface with the tip of the knife or sharp pin and squeeze out the air. At curves stretch sticker and apply a little heat so that no ceases occur. Cut off the excess that is produced.

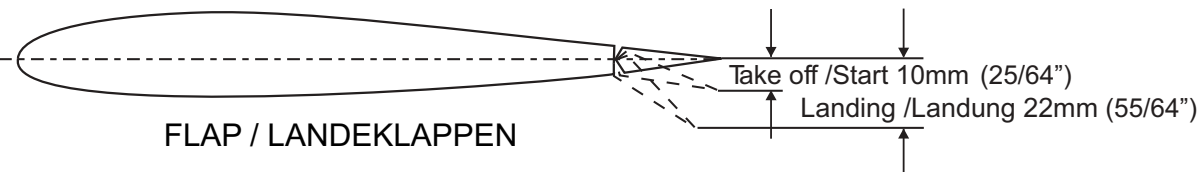
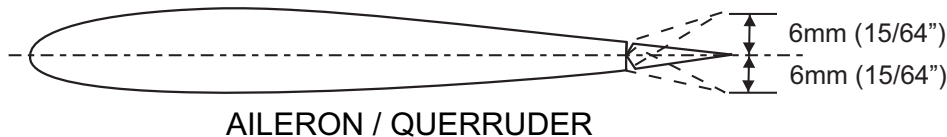
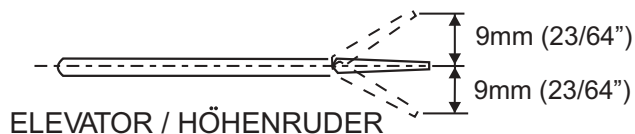
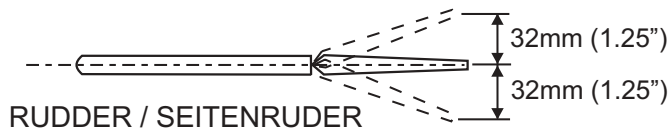
22-Balance

DO NOT try to fly an out-of-balance model !

Note: If necessary, move the battery pack or add weight to either the tail or nose until the correct balance is achieved.



23-Control Surface



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.