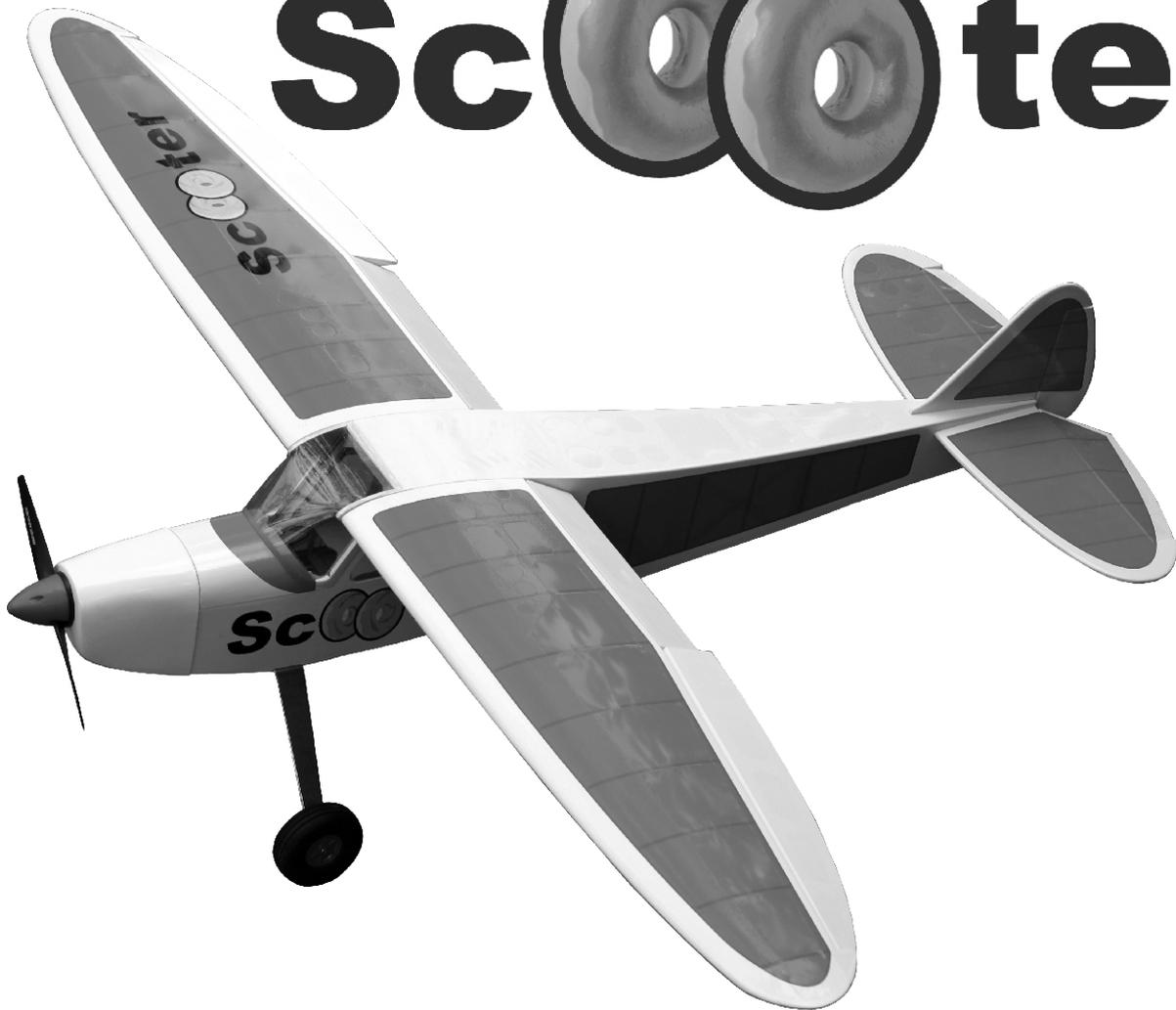


Radio control model / Flugmodell

# Scouter



ALL Balsa, PLYWOOD CONSTRUCTION AND ALMOST READY TO FLY

## Instruction manual / Montageanleitung

### SPECIFICATIONS

Wingspan:.....1630mm (64.1in.)  
Length:.....1170mm (46in.)  
Electric Motor:.....See next pager  
RTF Weight: 2.6Kg / 5.7lbs (Will vary with  
Equipment Used).  
Radio:.....6 Channel / 6 Servos  
Function: Ailerons-Flaps-Elevator-Rudder-Motor

### TECHNISCHE DATEN

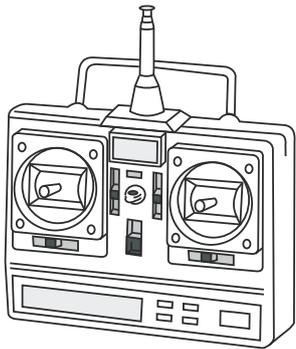
Spannweite:.....1630mm  
Länge:.....1170mm  
Elektroantrieb.....(siehe nächste Seite)  
Brushless Motor:.....  
Fluggewicht:.....2.6Kg  
Fernsteuerung.....6 Kanal / 6 Servos



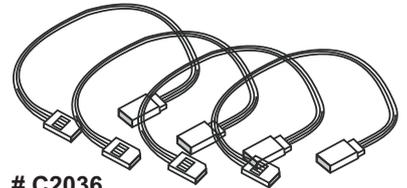
**WARNING!** This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of control and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice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

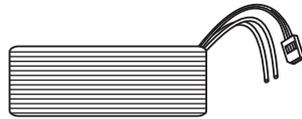
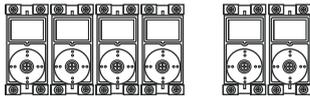
## REQUIRED FOR OPERATION (Purchase separately)



# C5753  
Propeller P-CON 12x6



# C2036  
Servo Verlängerungskabel 400mm  
Servo Extension Cord 400mm



# C6741 LiPo LEMONRC 3700-11,1V



# C2983  
Brushless Combo BOOST 40  
inkl. Motor, Regler, Programmkarte

# C4995

MASTER Digital Servo DS3012 oder/or

# C5638

MASTER Digital Servo DS3012 MG

including motor, ESC and program card

### GLUE (Purchase separately)



X1075 Silex Silicon



CA Glue

# X3572 Zoom Sekundenkleber



X3598-120 Epoxy  
5-Min.



### TOLLS REQUIRED (Purchase separately)

Hobby knife



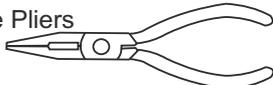
Phillip screw driver



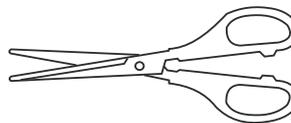
Hex Wrench



Needle nose Pliers



Scissors



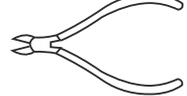
Awl



Sander



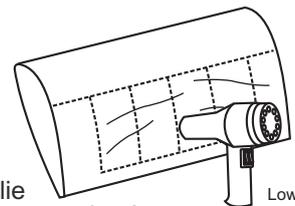
Wire Cutters



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.

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 !



Low setting

Symbols used throughout this instruction manual, comprise:



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



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.

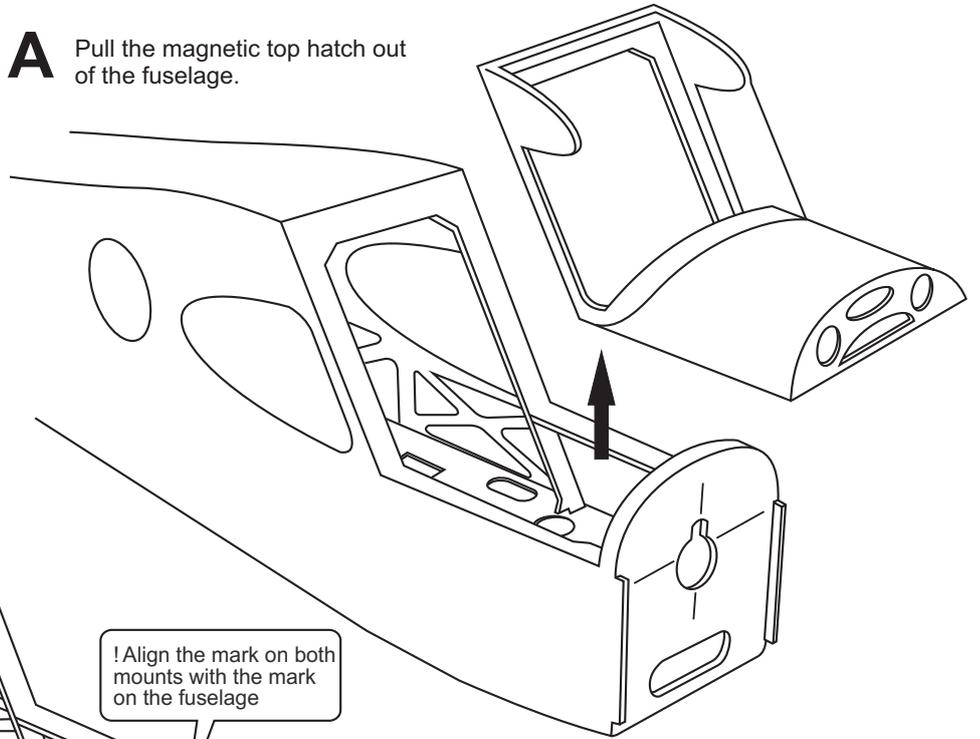
Read through the manual before you begin, so you will have an overall idea of what to do.

### 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

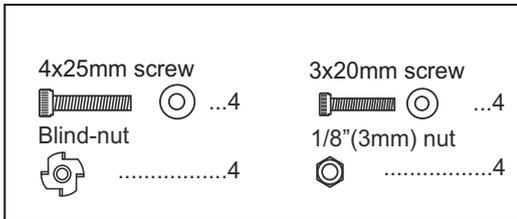
**1A** Pull the magnetic top hatch out of the fuselage.



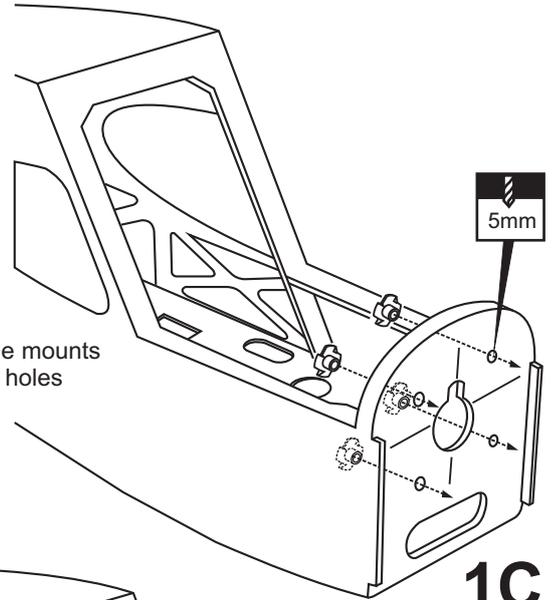
! Align the mark on both mounts with the mark on the fuselage

## 1B

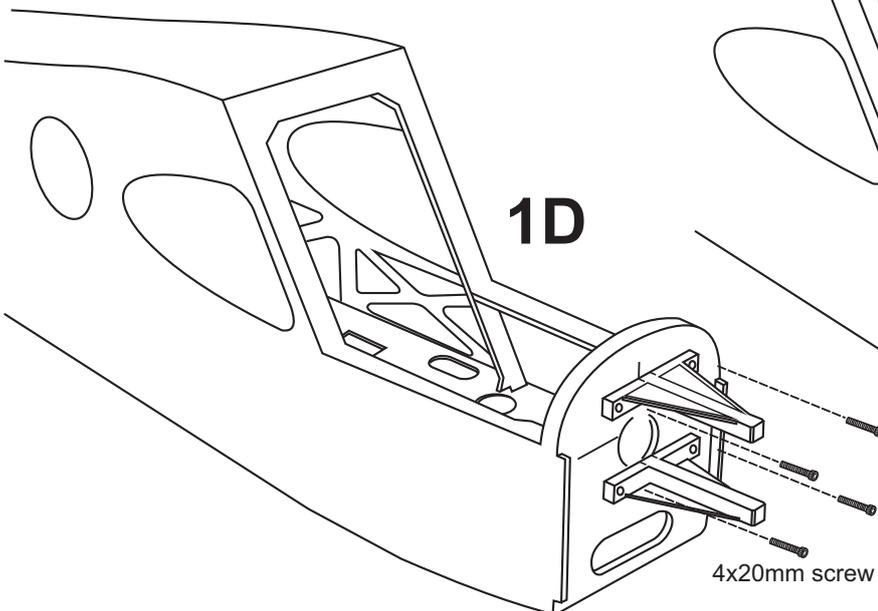
Using a pencil or felt tipped pen, mark the fire wall where the four holes are to be drilled.



Remove the engine mounts and drill four 5mm holes as marked.



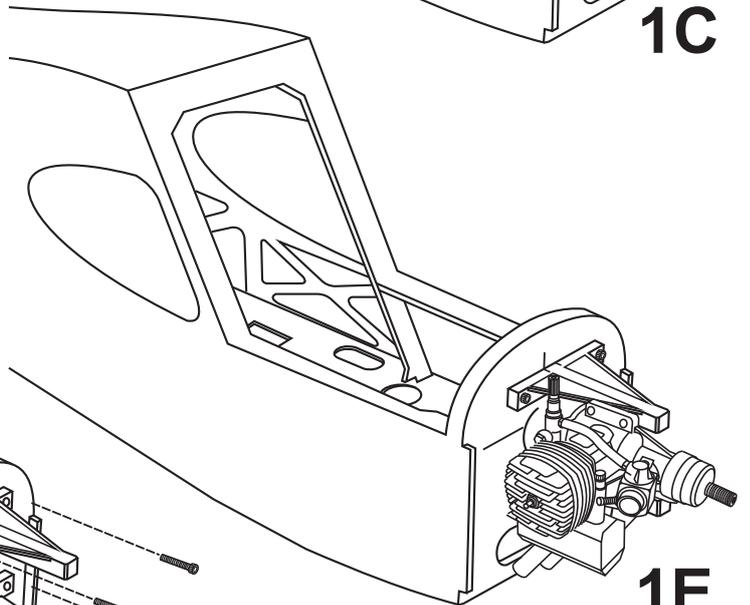
## 1D



## 1C

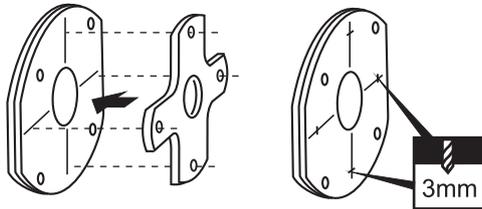
## 1E

Position the engine on to the engine mounts so the distance from the prop hub to the fire-wall is 112mm.



# 2

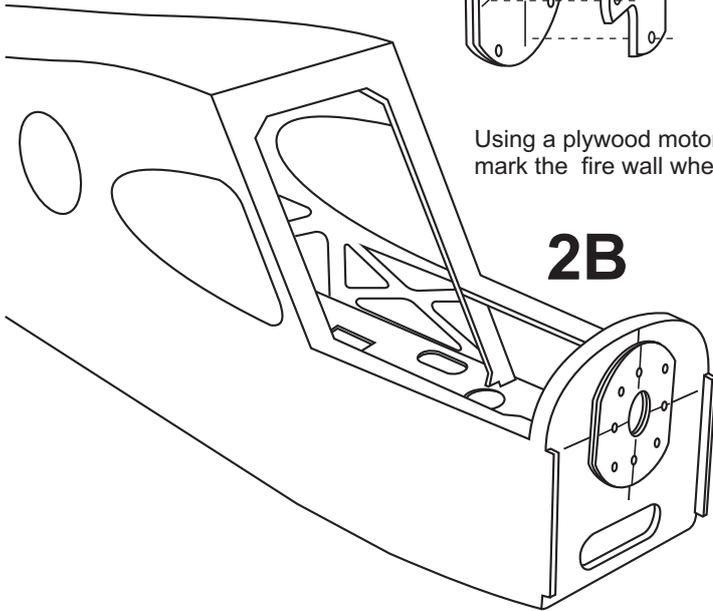
## 2A



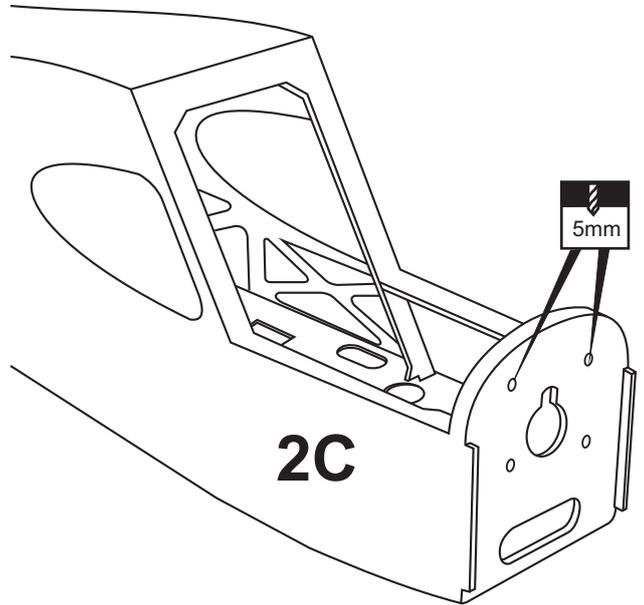
Using the aluminum mounting plate as template, mark the plywood motor mounting plate where the four holes are to be drilled (2A). Remove the aluminum mounting plate and drill 3mm hole through the plywood at each of the four marks marked (2B). Note: The aluminum motor mounting included with electric motor set.

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

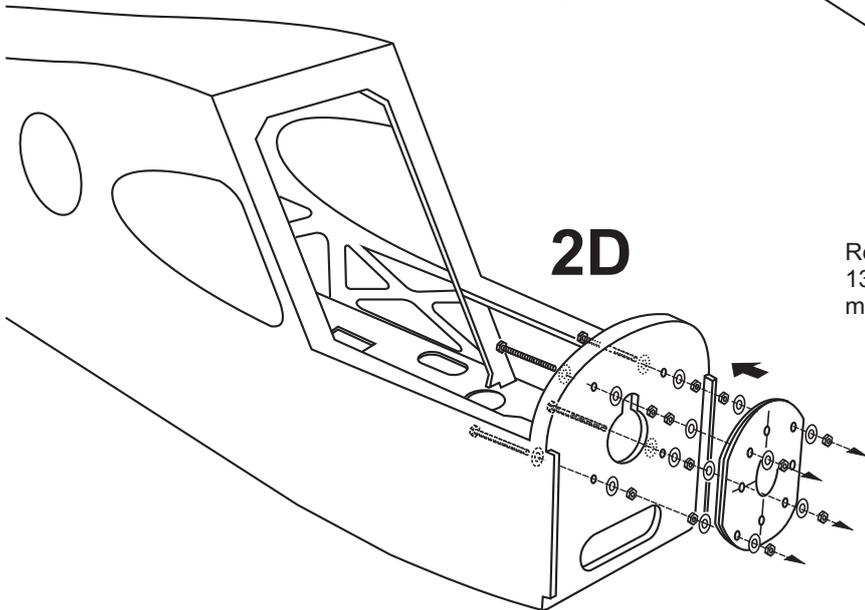
## 2B



## 2C

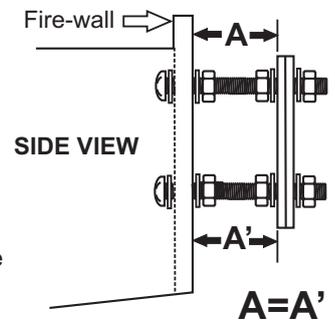


## 2D

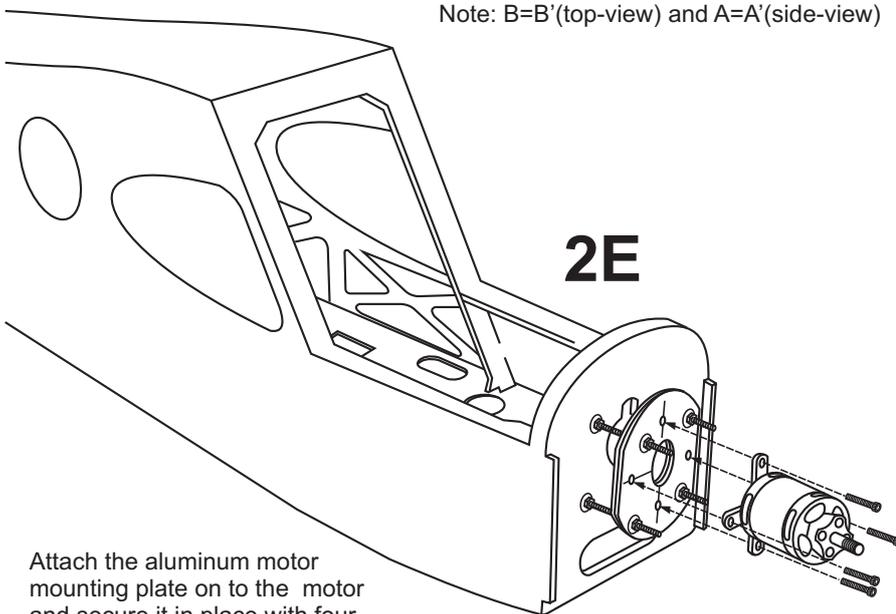


Remove the plywood motor mounting plate and drill a 13/64" (5mm) hole through the fire-wall at each of the four marks marked above.

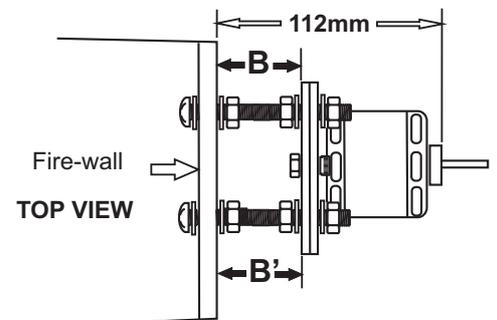
Reposition the plywood motor mounting plate and secure it in place with twelve 5mm nuts and washers (6). Note: B=B' (top-view) and A=A' (side-view)



## 2E



Attach the aluminum motor mounting plate on to the motor and secure it in place with four screws ( included with motor set).

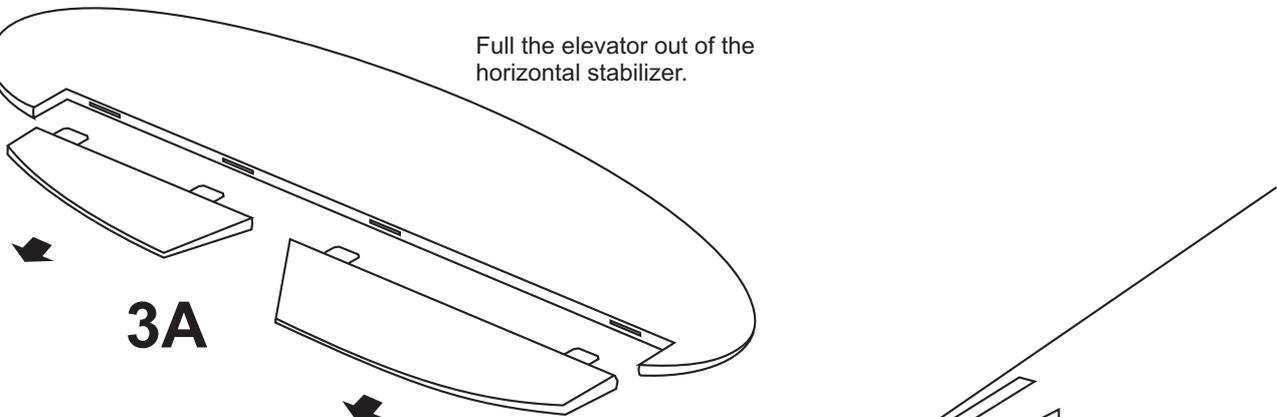


! Engine thrust on balk head is already adjust at factory

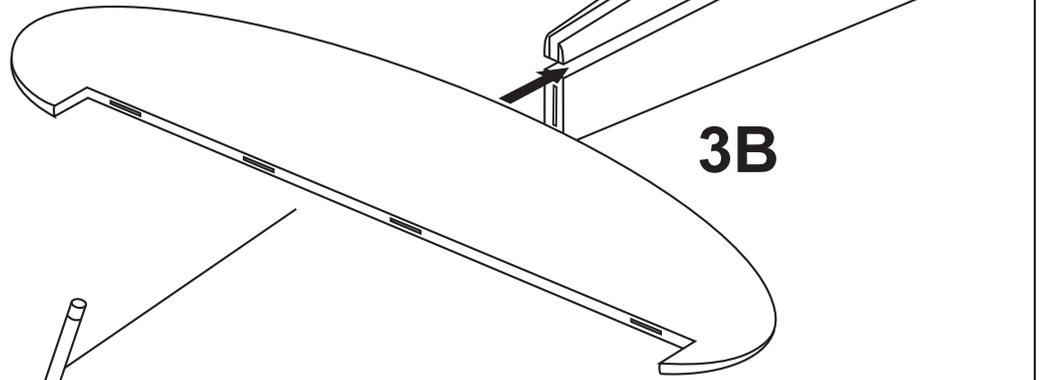
5x60mm screw	5mm washer
X4	X16
5mm nut	
X12	

# 3

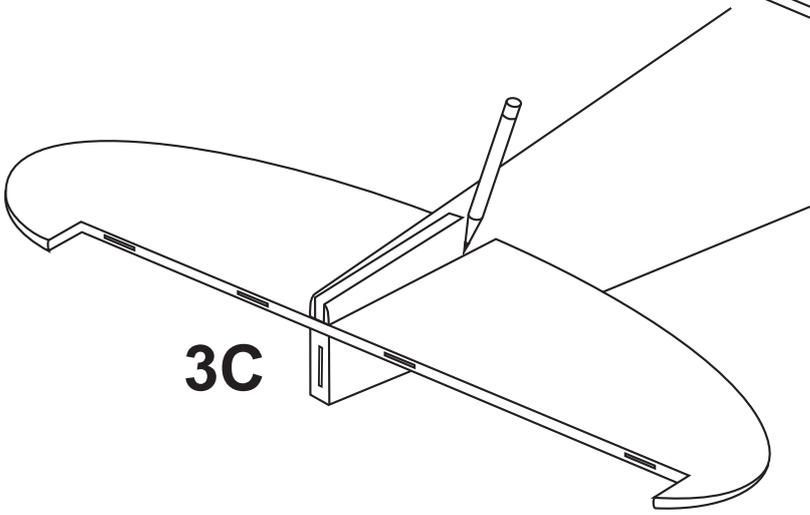
Full the elevator out of the horizontal stabilizer.



## 3A



## 3B



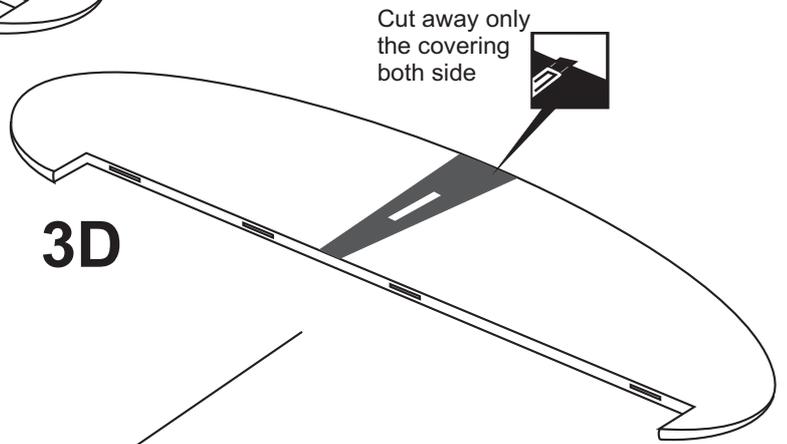
## 3C

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.

**Note:** the rectangular hole on the center of the stabilizer must be coincidental with the center line of the fuselage.

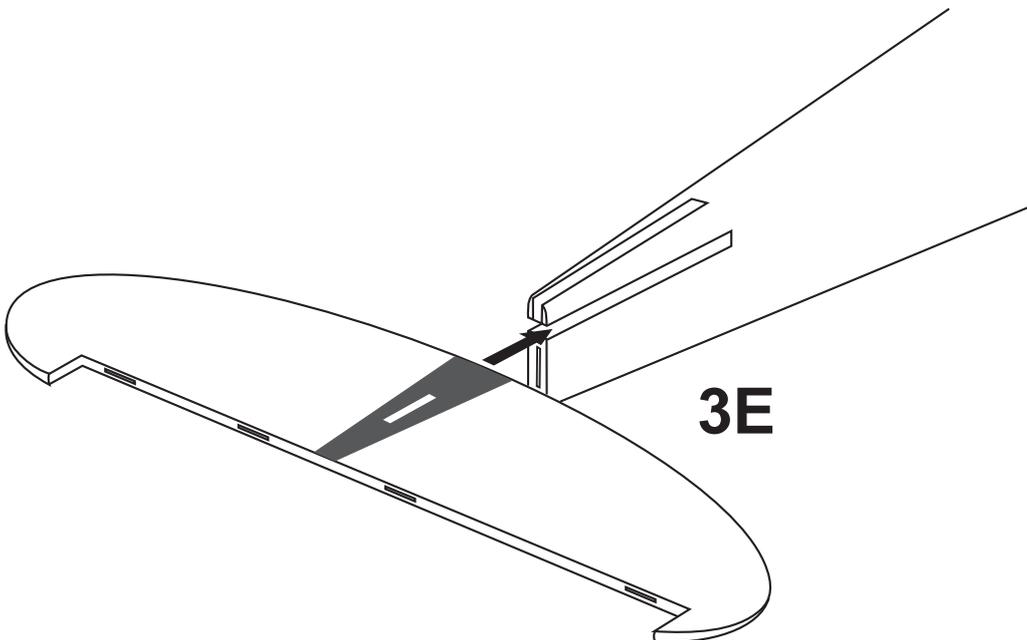
Remove the horizontal stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above.

**\* WARNING:** When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.



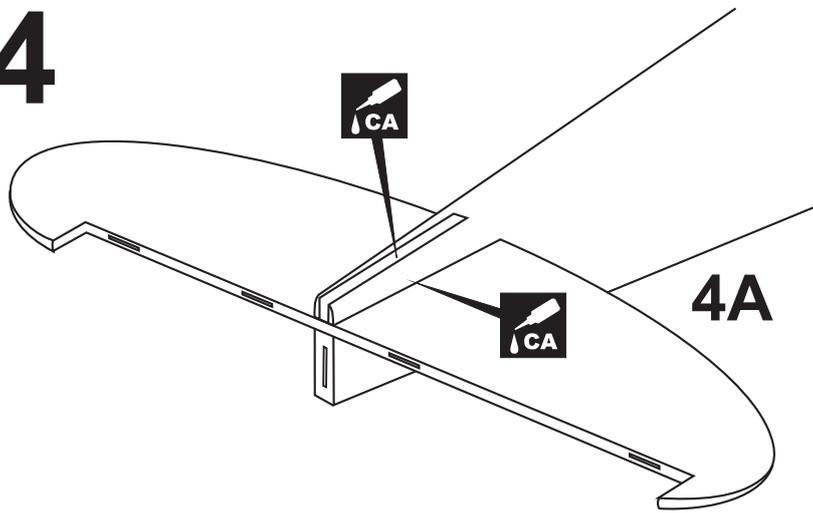
Cut away only the covering both side

## 3D



## 3E

# 4



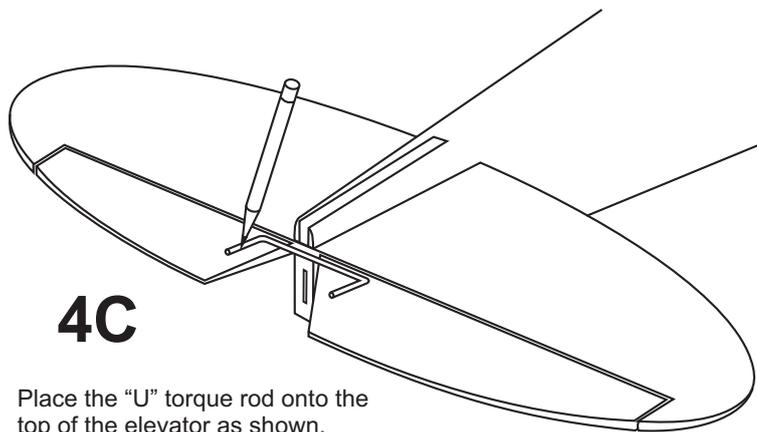
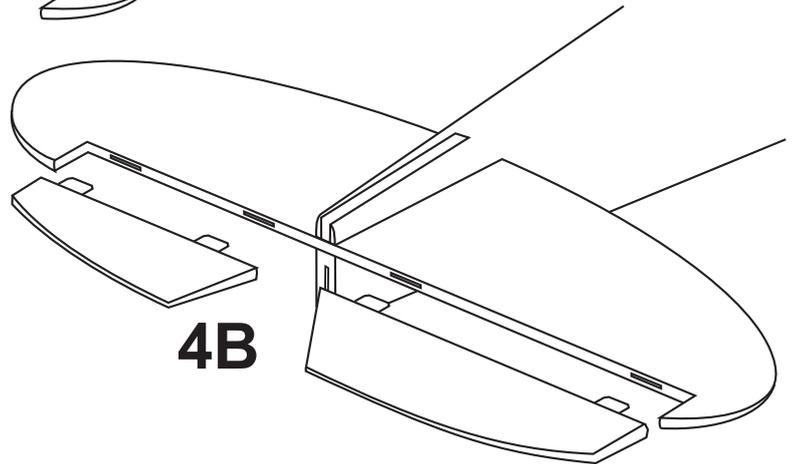
When you are satisfied with the alignment, Secure the horizontal stabilizer onto the fuselage using CA glue.

Note: Glue on the top and bottom of the horizontal stabilizer, where it meets the fuselage, and inside the slot for the vertical stabilizer installation.

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

Insert the left and right elevator onto the horizontal stabilizer

Note: Do not glue at this time.

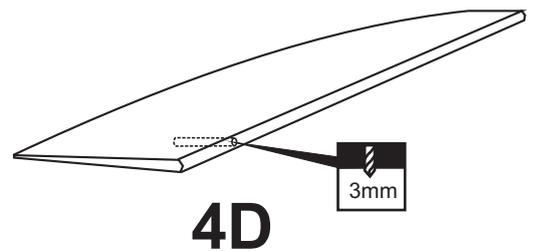


## 4C

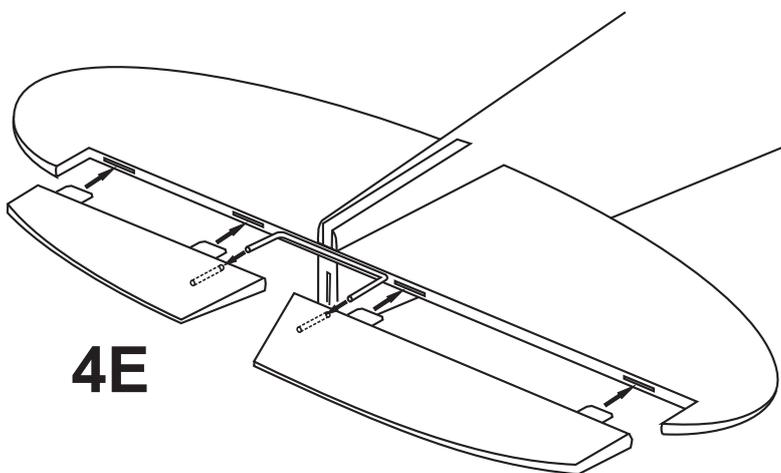
Place the "U" torque rod onto the top of the elevator as shown.

Use the pencil, mark on each elevator where the one end of "U" torque rod meets the elevator.

Remove the elevator and drill the hole as marked, marking sure that you drill the hole perpendicular to the leading edge of the elevator half (7E). Do the same way with second elevator.

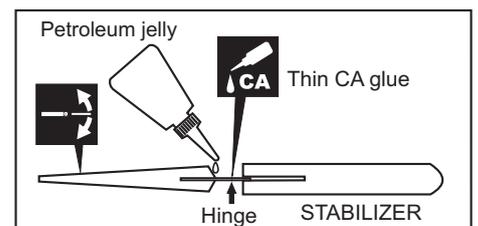


## 4D



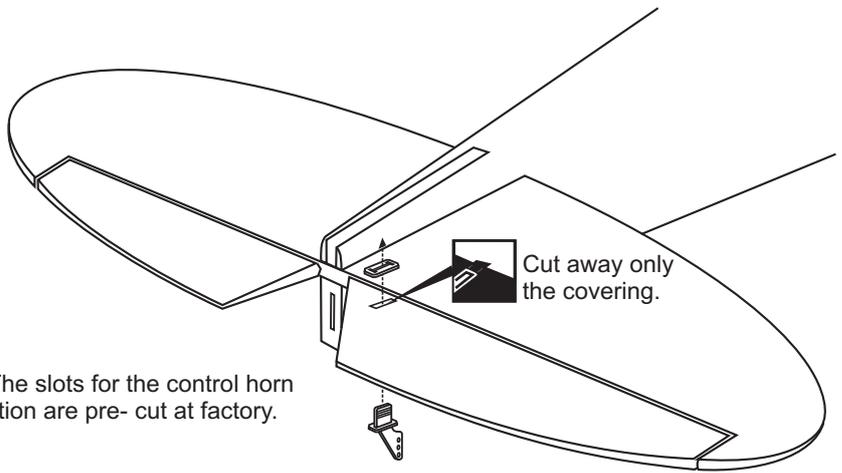
## 4E

Test-fit one end of the "U" torque rod into each elevator half before glue the elevator hinges to the horizontal stabilizer.

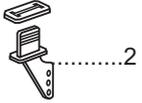


Apply a thin layer of machine oil or petroleum jelly to only the top and bottom of the trailing edge of the elevator, then push the elevator and its hinges into the hinge slots in the trailing edge of the horizontal stabilizer. When satisfied with the alignment, hinge the elevator to the horizontal stabilizer using CA glue.

# 5



Control horn

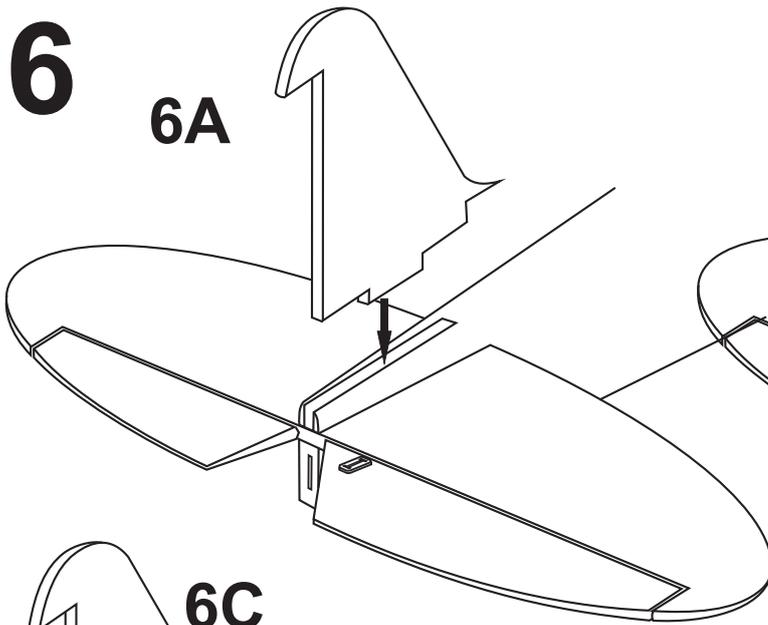


Note: The slots for the control horn installation are pre-cut at factory.

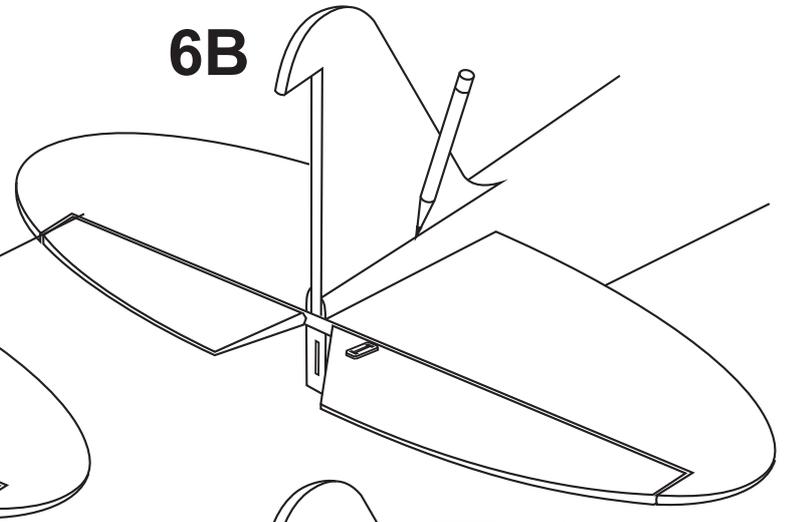
# 6

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

## 6A

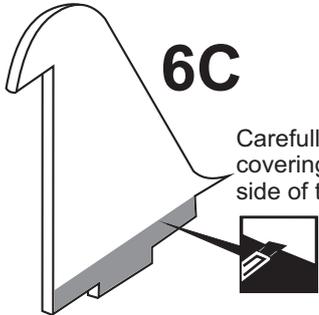


## 6B

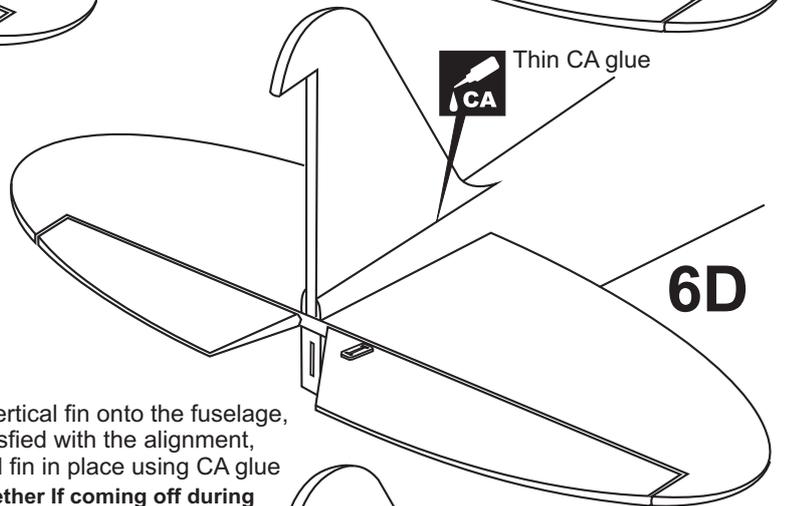


## 6C

Carefully, cut away only the covering inside the line, both side of the vertical fin.



Thin CA glue  
CA



## 6D

**\* WARNING:** When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.

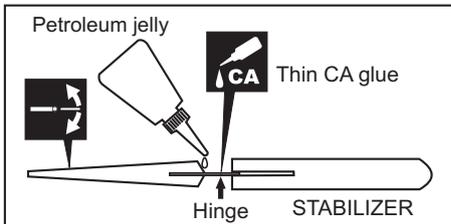
Again, push the vertical fin onto the fuselage, when you are satisfied with the alignment, secure the vertical fin in place using CA glue  
**! Securely glue together If coming off during fly, you lose control of your air plane.**

## 6E

Carefully, cut a slot on the bottom of the rudder for the tail gear horn installation.

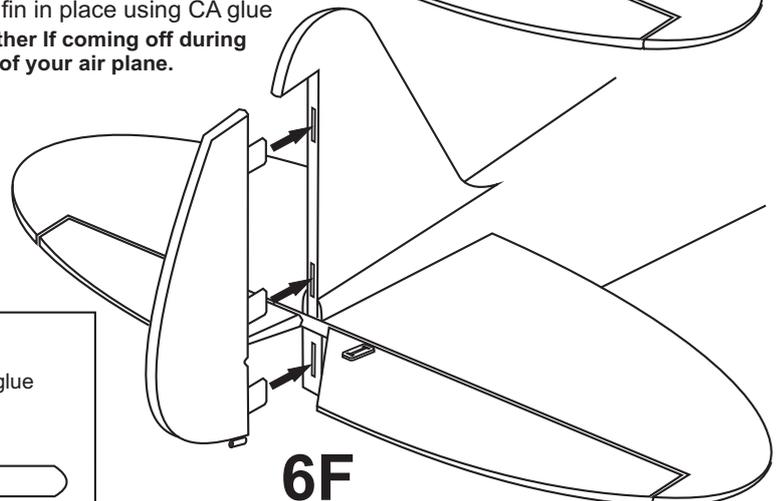


Petroleum jelly



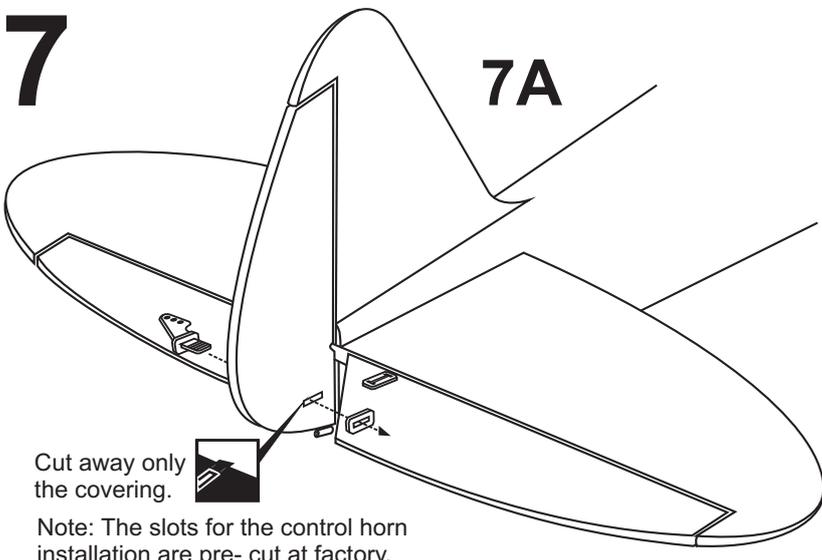
Hinge STABILIZER

## 6F



# 7

## 7A

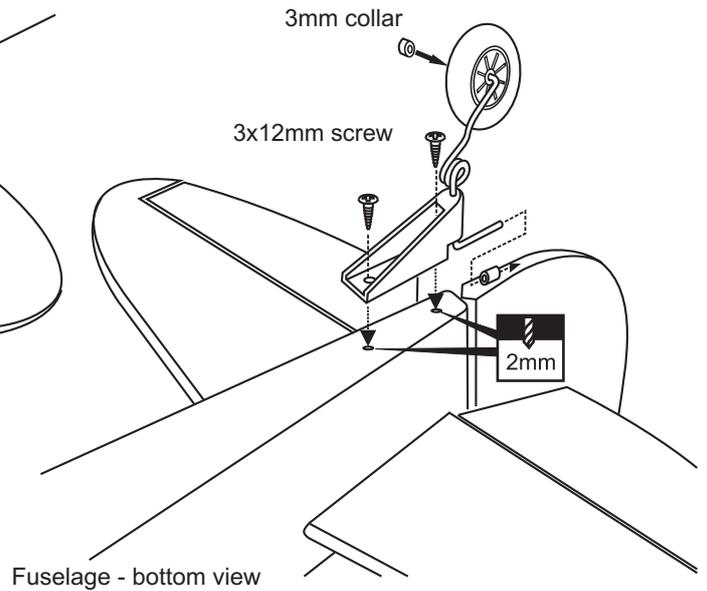


Cut away only the covering.

Note: The slots for the control horn installation are pre-cut at factory.

- 3x12mm screw
- .....2
- 3mm collar.....1

## 7B



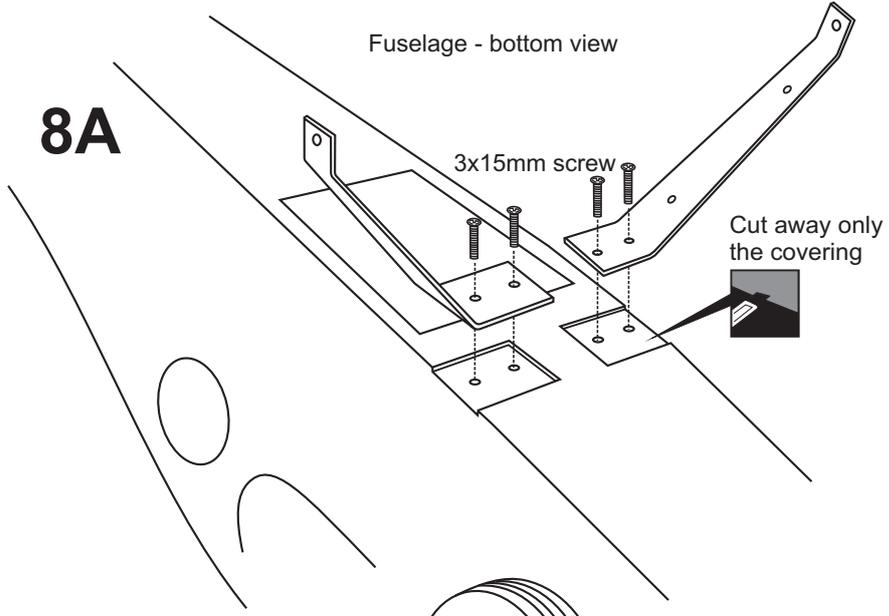
Fuselage - bottom view

# 8

## 8A

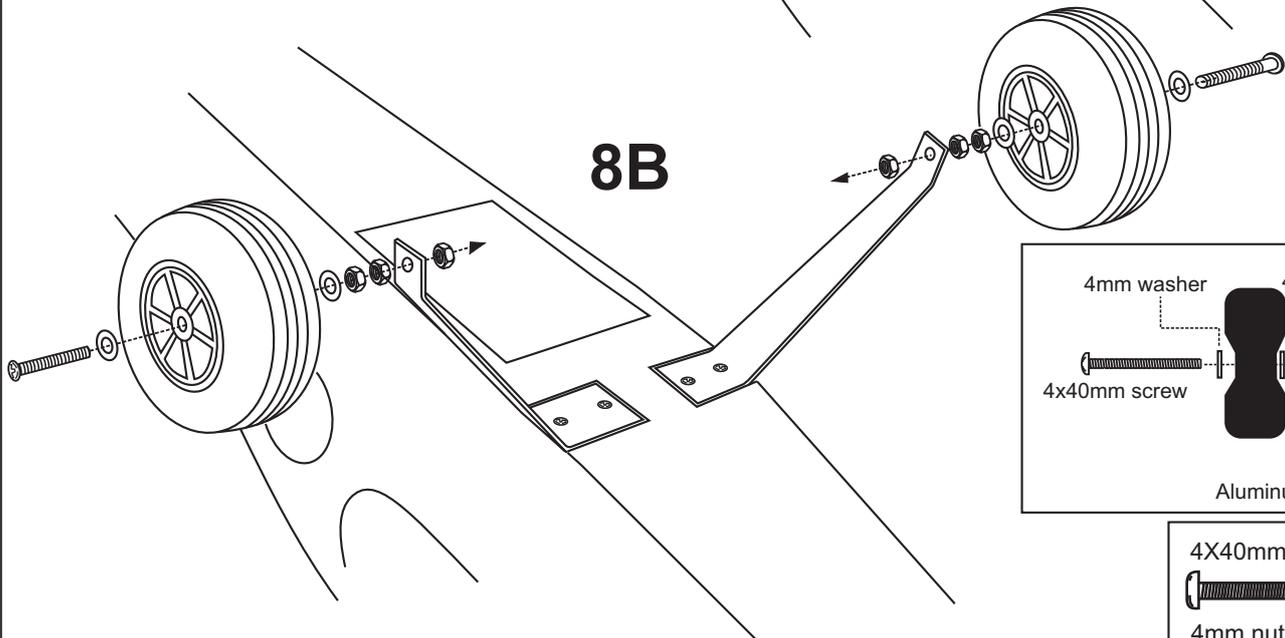
- 3X15mm screw
- .....4

**\* WARNING:** When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.



Fuselage - bottom view

## 8B

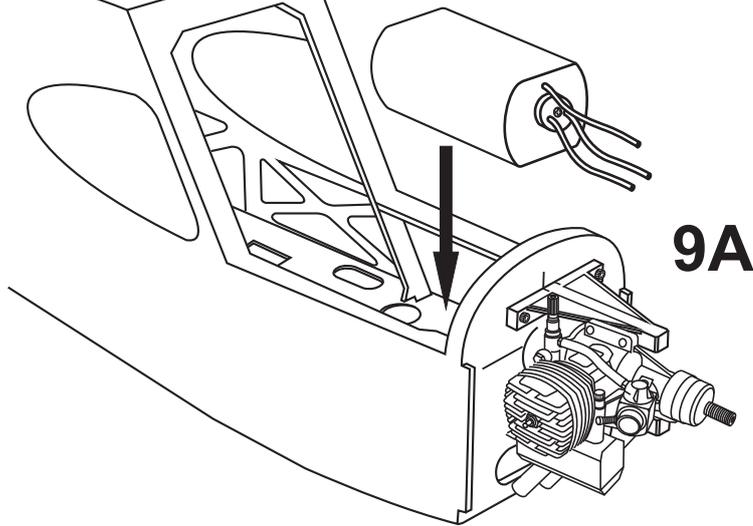


- 4mm washer
- 4mm nut
- 4x40mm screw
- 
- Aluminum landing gear

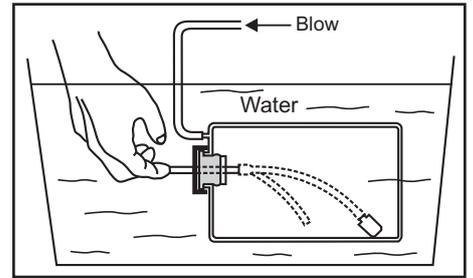
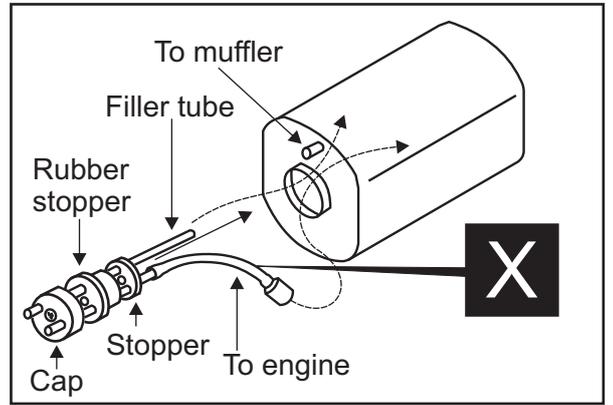
- 4X40mm screw
- .....2
- 4mm nut-washer
- .....2

# 9

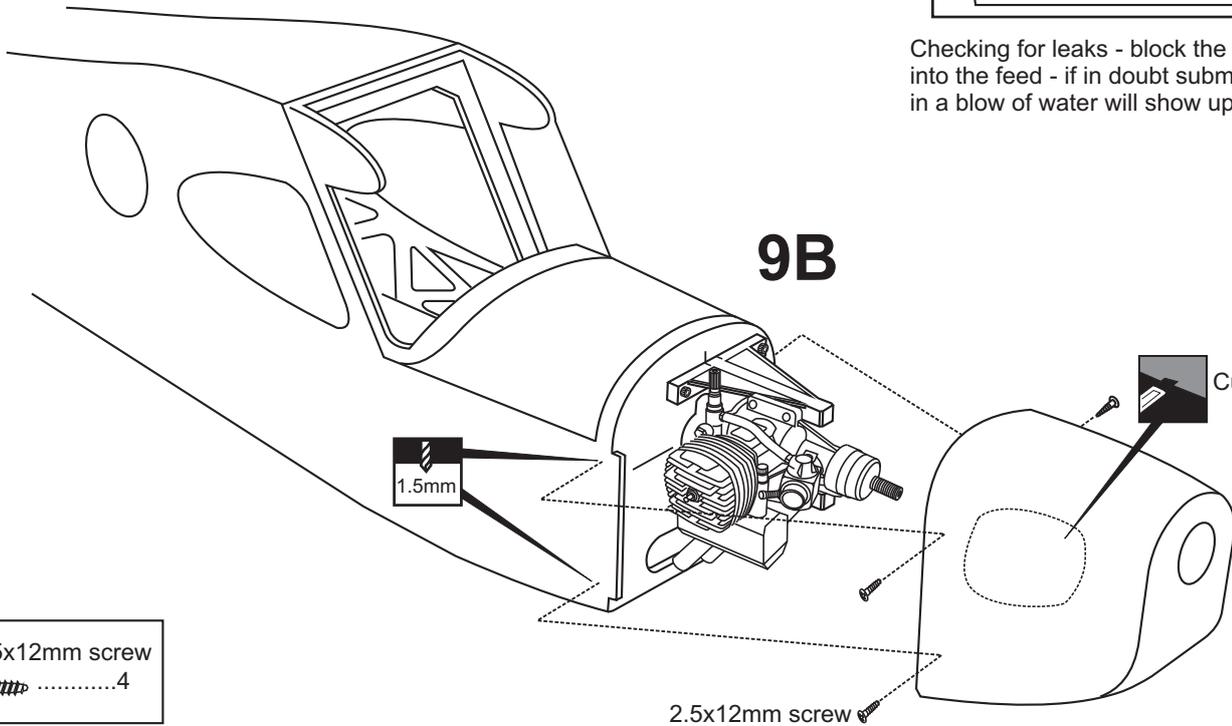
Insert the fuel tank (in case of gas engine)  
or Li-po battery (in case of Electric motor)



### 9A



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.



### 9B

2.5x12mm screw

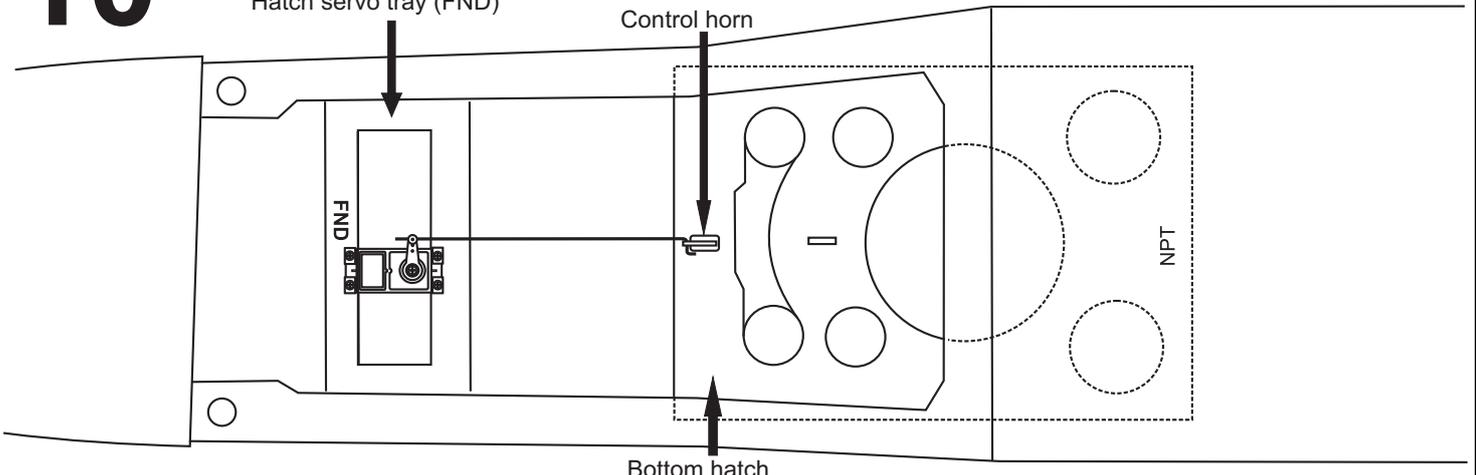


# 10

Fuselage - top view

Hatch servo tray (FND)

Control horn

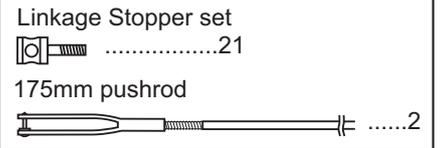
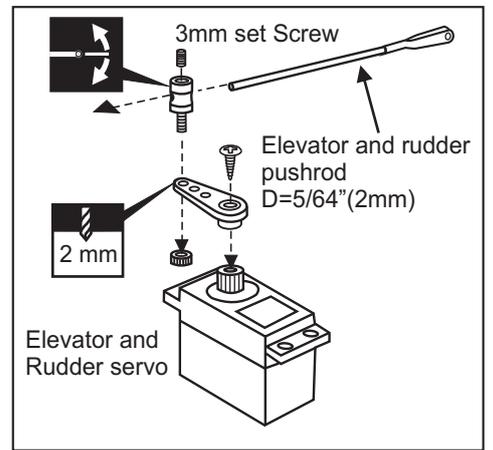
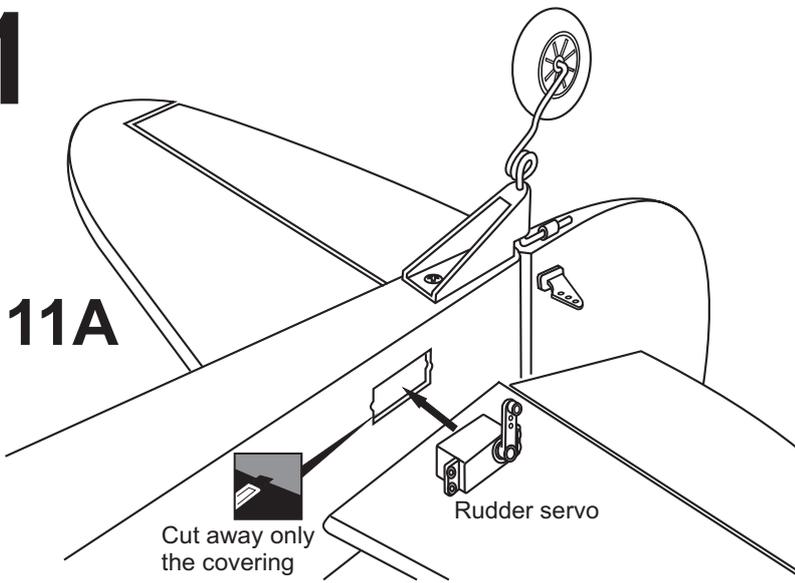


Bottom hatch

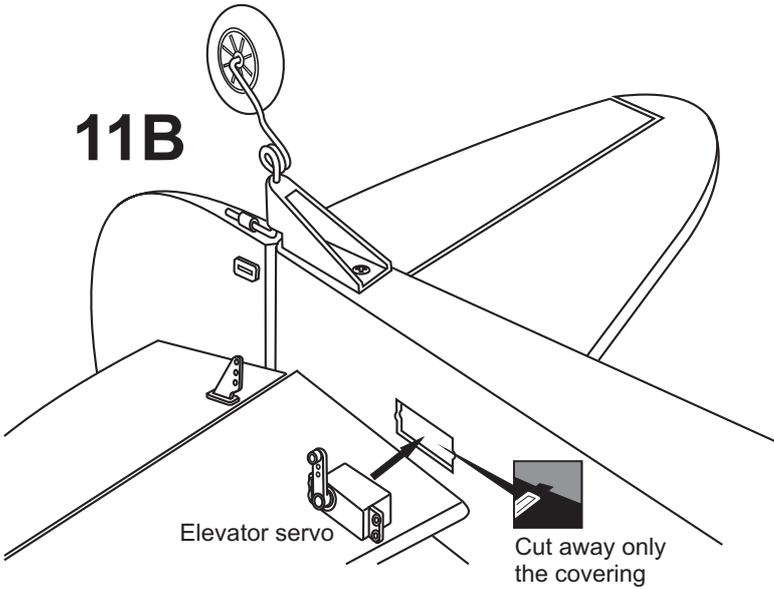
**Important:** Please insert the hatch pushrod into the hole on the hatch control horn before insert and glue the control horn onto the hatch.

# 11

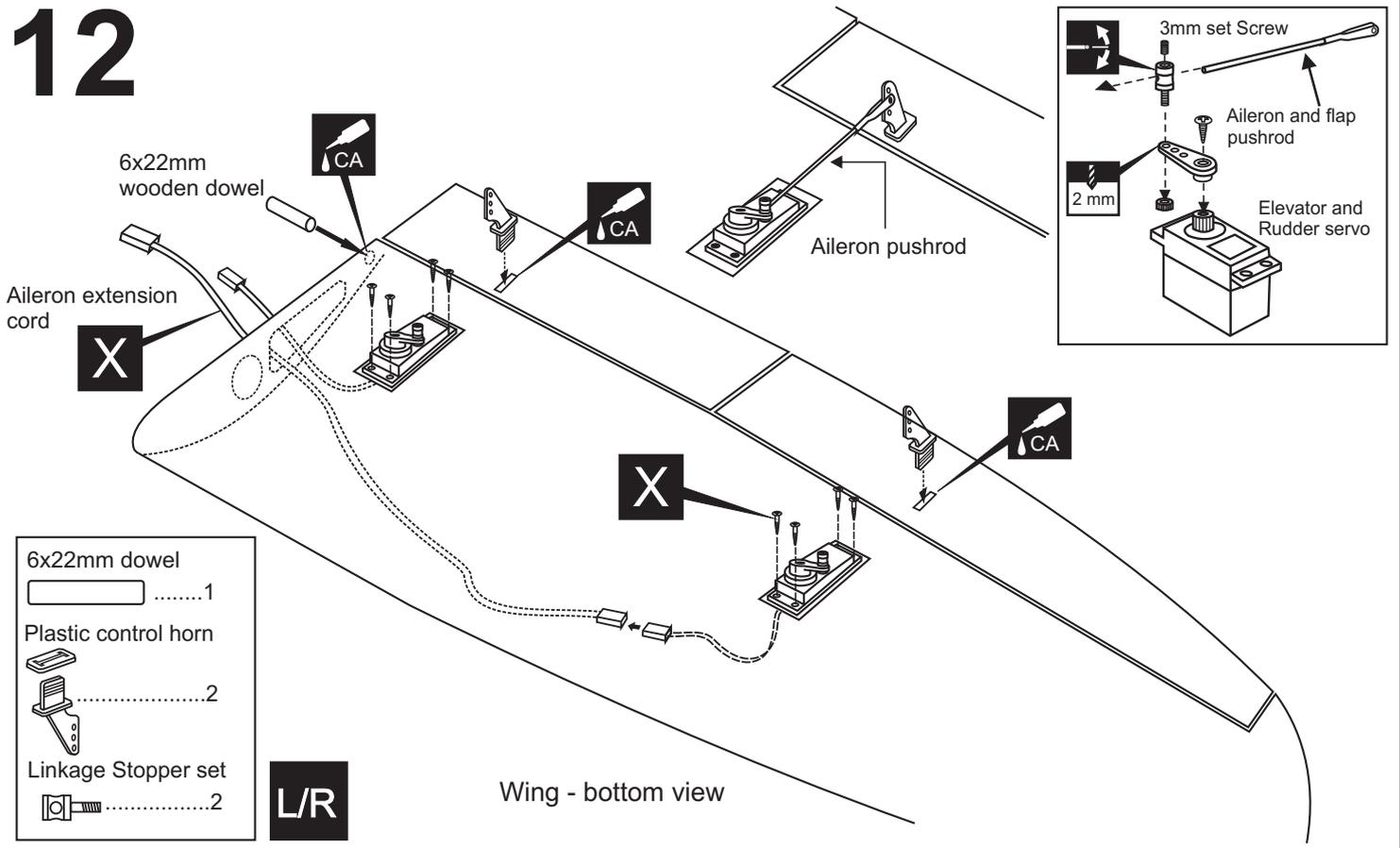
## 11A



## 11B



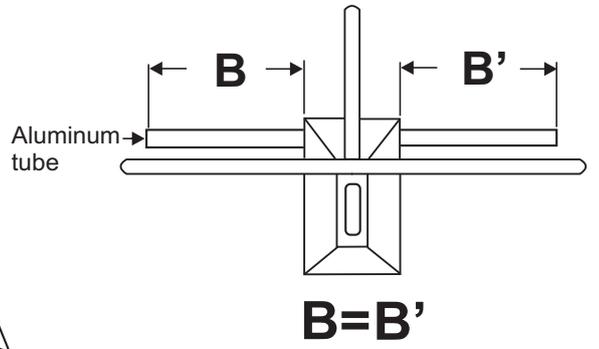
# 12



# 13



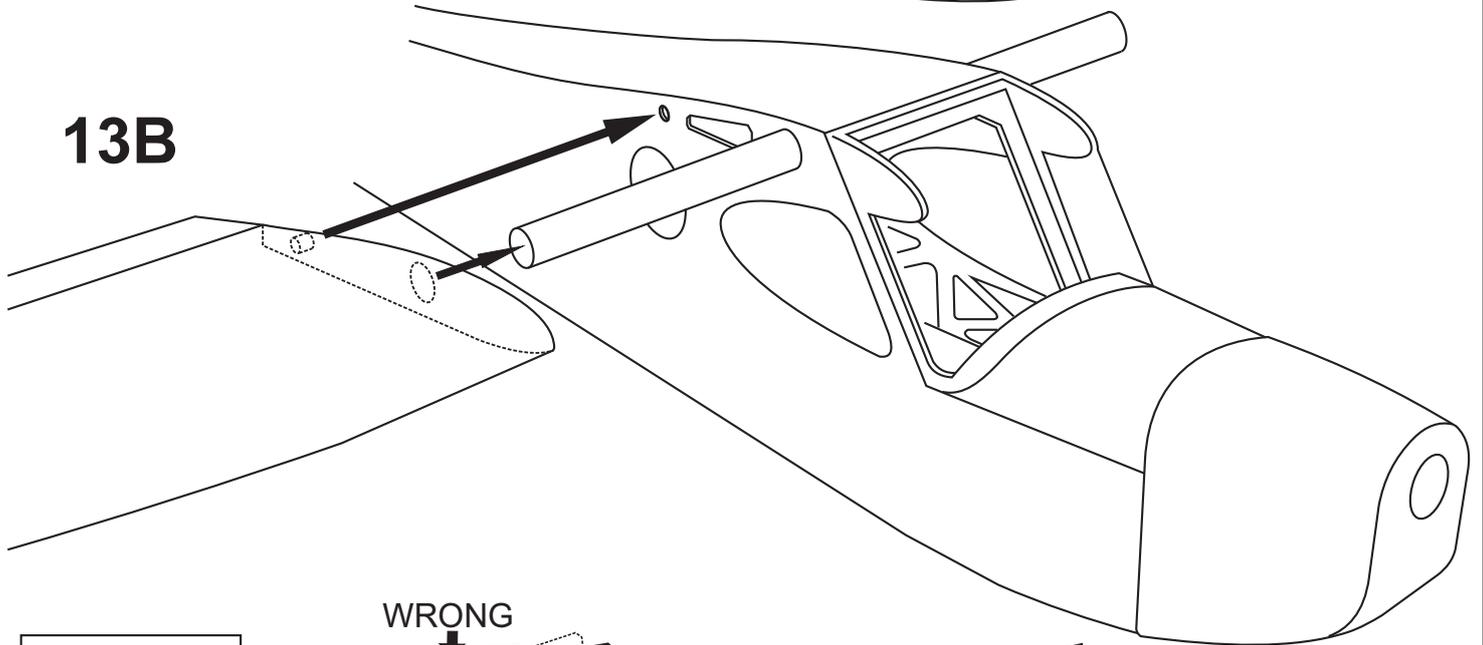
Aluminum tube



## 13A

Note: check the length ( $B=B'$ ) of the aluminum tube with the fuselage before glue.

## 13B



## 13C

WRONG

RIGHT

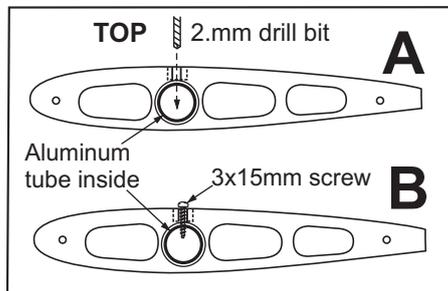
3x15mm screw  
 .....2

Note: The holes on the surface of the top of the wing are pre-drilled at factory.

A

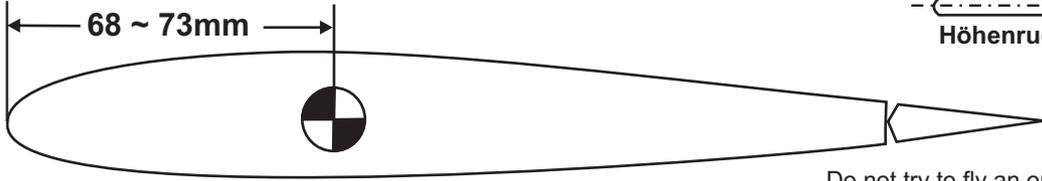
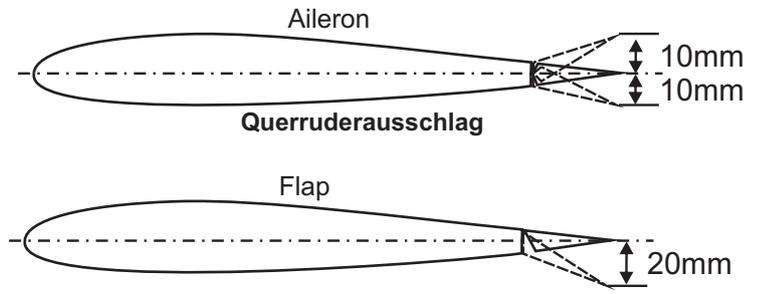
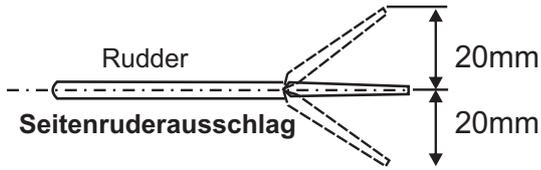
B

Secure the wing in place using 3x15mm screw (B).



# 14

## BALANCE AND CONTROL SURFACE



Do not try to fly an out-of balance model!

**Überprüfen Sie vor dem Flug den Schwerpunkt.**

**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.

### WARNING !

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

All details are subject to change  
without notice !

**Technische Änderungen und Irrtümer  
vorbehalten !**