

Radio control model / Flugmodell

# Douglas DC-3

ALL BALSA, PLYWOOD CONSTRUCTION AND ALMOST READY TO FLY



## Instruction manual / Montageanleitung

### SPECIFICATIONS

Wingspan:.....1800mm (70.8in.)  
Length:.....1200mm (47.2in.)  
Electric Motor:.....x2  
RTF Weight: 3.2Kg / 7.0lbs (Will vary with  
Equipment Used).  
Radio:.....6 Channel / 4..8 Servos

### TECHNISCHE DATEN

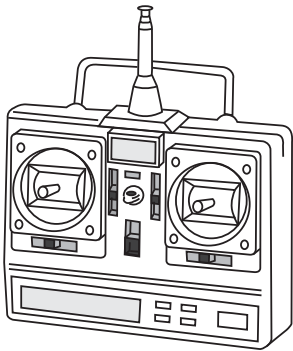
Spannweite:.....1800mm  
Länge:.....1200mm  
Elektroantrieb.....(siehe nächste Seite)  
Brushless Motor:.....x 2  
Fluggewicht:.....3.2Kg  
Fernsteuerung.....6 Kanal / 4..8 Servos



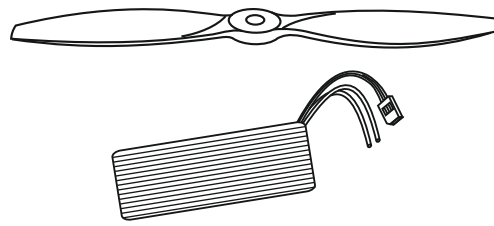
**WARNING!** This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of control and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice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

## Sonderzubehör (empfohlen) / Optional Accessories (recommended):

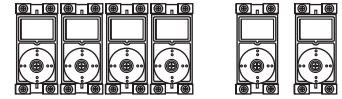


# C8802  
Fernsteuerung GigaProp 6  
Radio Set GigaProp 6

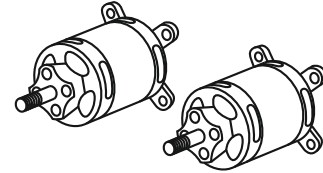


# C6788  
RED POWER LiPo Akku  
4500 - 11,1V

#C9218  
Elektrisches Einziehfahrwerk  
Electric Retracts



# C5185 Servo MASTER S2112 ( x6)  
# C5638 Servo MASTER DS3012 MG (x2)



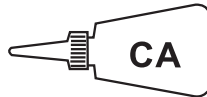
# C8804  
Antriebsset 2-motorig für Douglas DC-3  
inkl. 2x Brushless Motoren, 2x Brushless Regler,  
Luftschrauben, steckerfertige Kabelsätze

Power Set motors for Douglas DC-3  
incl. 2 Brushless Motors, 2 pcs. Brushless ESC,  
Props and plug&play cable/wiring harness

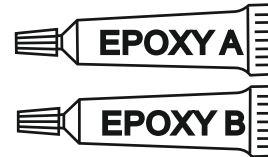
Alle Infos zu diesem Zubehör unter:  
More infos about these Accessories:

[www.pichler-modellbau.de](http://www.pichler-modellbau.de)

**Klebstoffe (nicht mitgeliefert)**  
GLUE (Purchase separately)



X3572  
Zoom CA  
Cyanoacrylate Glue (thin type)



X3598-120  
5-Min Epoxy

### TOLLS REQUIRED

Hobby knife

Needle nose Pliers

Sander

Phillip screw driver

Scissors

Hex Wrench

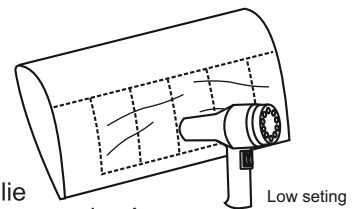
Awl

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 !



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.

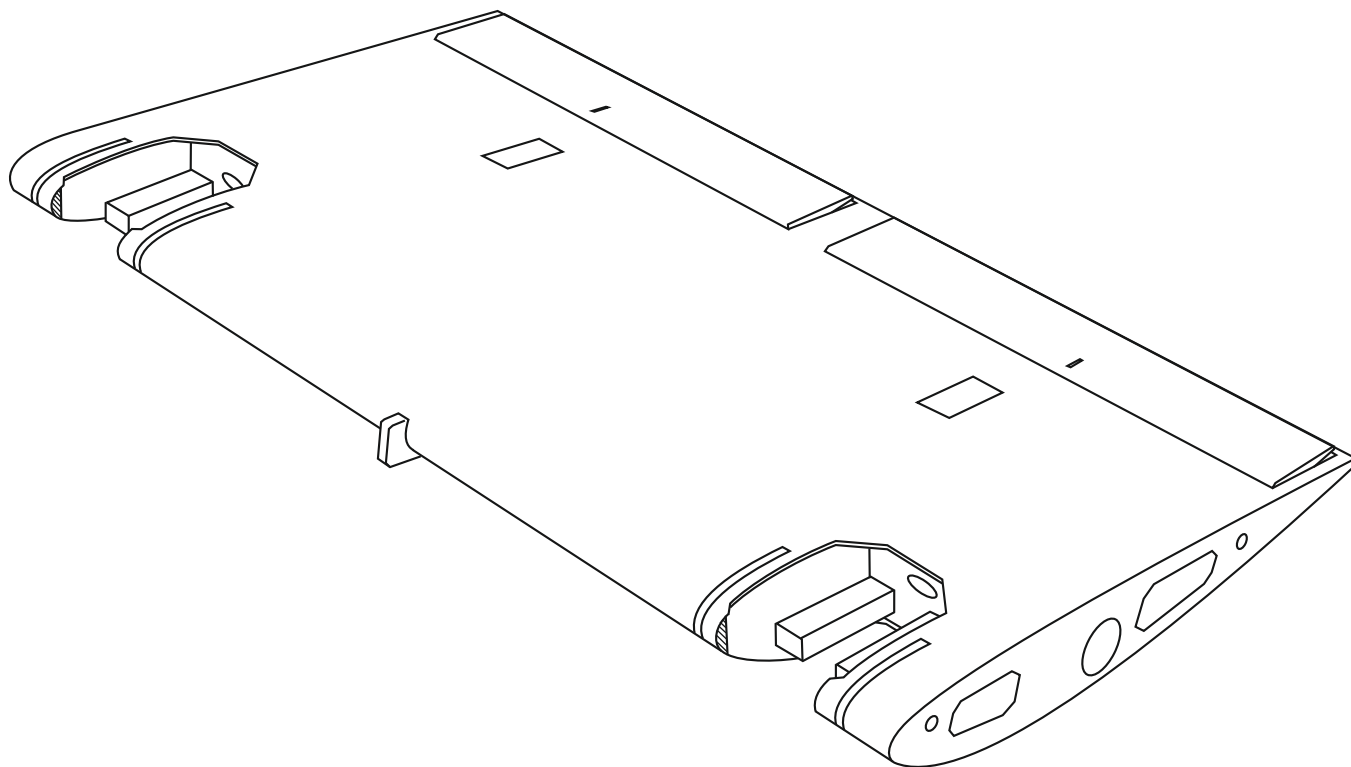
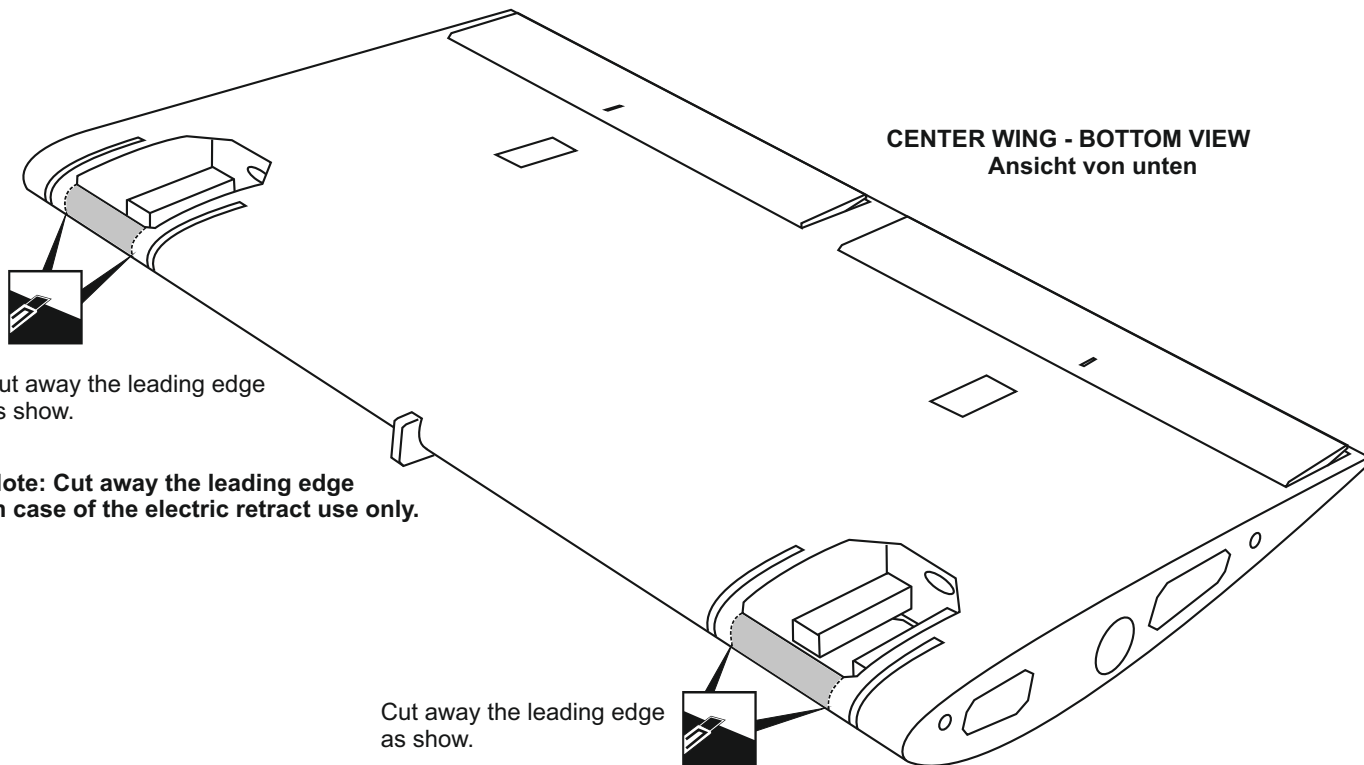
Read through the manual before you begin, so you will have an overall idea of what to do.

### 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- CENTER WING: ELECTRIC RETRACT INSTALLATION (OPTION) Tragflächenmittelstück

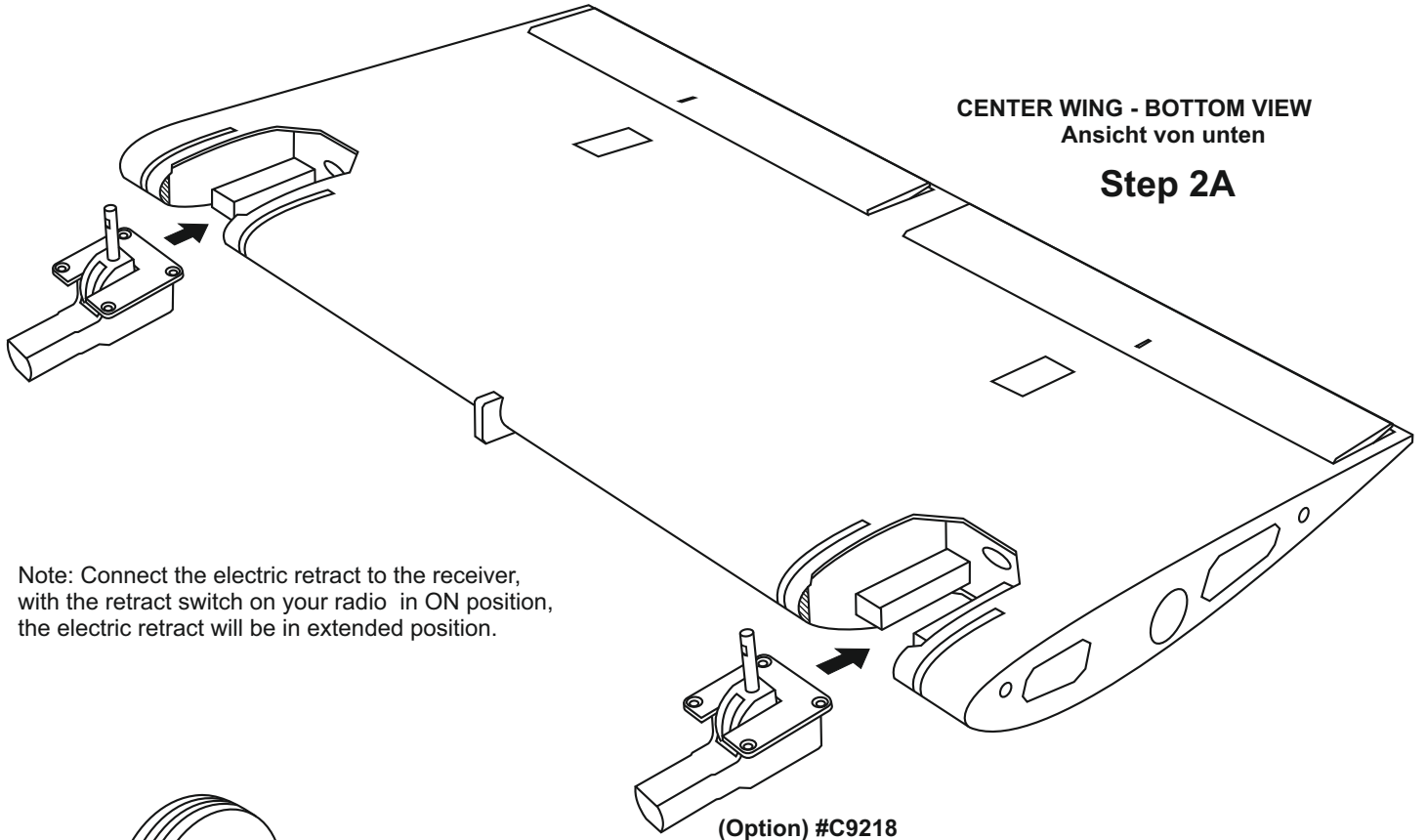
CENTER WING - BOTTOM VIEW  
Ansicht von unten



## 2- CENTER WING: ELECTRIC RETRACT INSTALLATION (OPTION) Tragflächenmittelstück

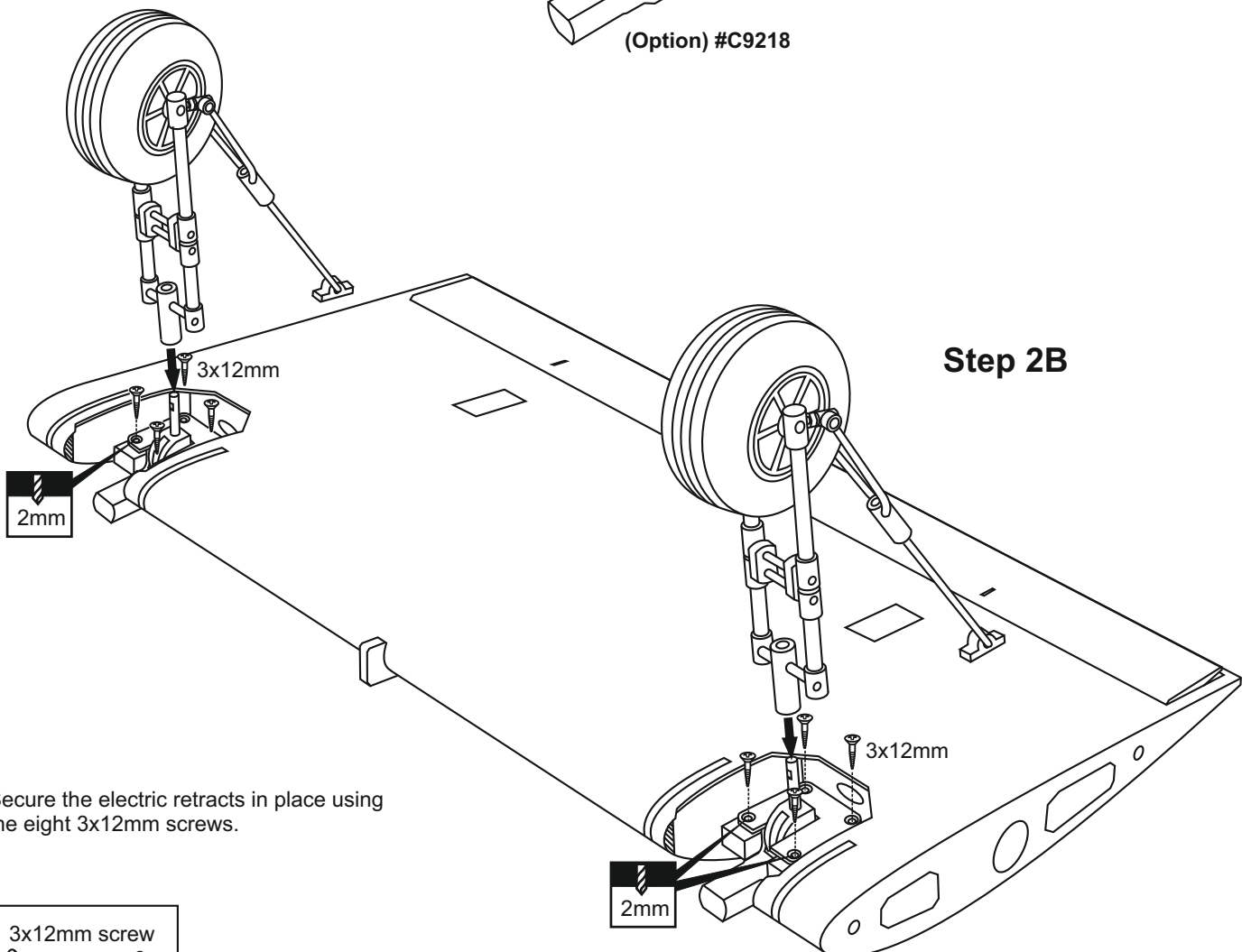
CENTER WING - BOTTOM VIEW  
Ansicht von unten

### Step 2A



Note: Connect the electric retract to the receiver, with the retract switch on your radio in ON position, the electric retract will be in extended position.

### Step 2B



Secure the electric retracts in place using the eight 3x12mm screws.

3x12mm screw

.....8

# 3- CENTER WING: ELECTRIC RETRACT INSTALLATION (OPTION)

Tragflächenmittelstück


CENTER WING - BOTTOM VIEW  
Ansicht von unten

Step 3A

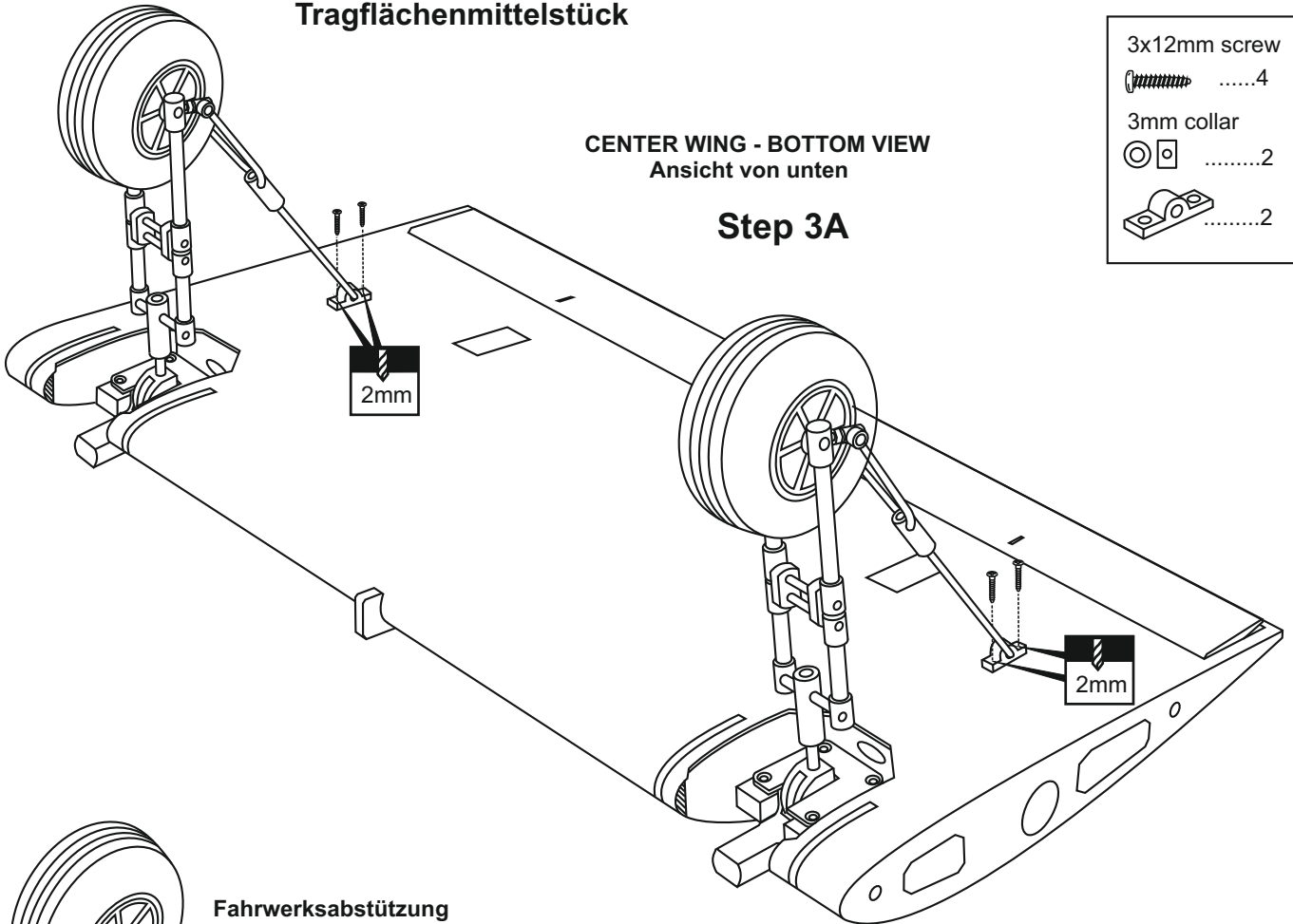
3x12mm screw

 .....4

3mm collar

 .....2

 .....2

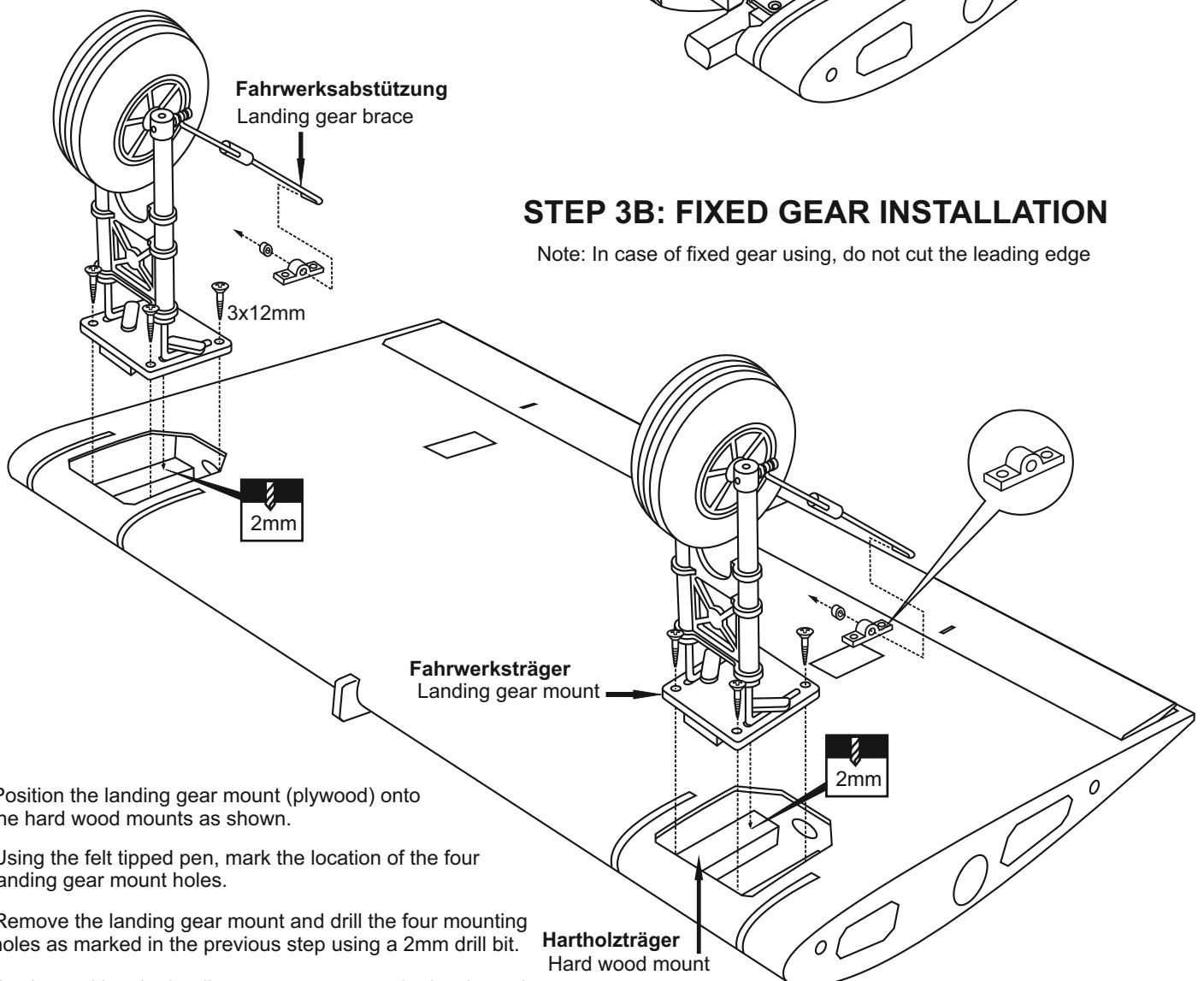


Fahrwerksabstützung

Landing gear brace

## STEP 3B: FIXED GEAR INSTALLATION

Note: In case of fixed gear using, do not cut the leading edge



1-Position the landing gear mount (plywood) onto the hard wood mounts as shown.

2-Using the felt tipped pen, mark the location of the four landing gear mount holes.

3-Remove the landing gear mount and drill the four mounting holes as marked in the previous step using a 2mm drill bit.

4-Again, position the landing gear mount onto the hard wood mounts and secure it in place using a four 3x12mm screws.

Hartholzträger  
Hard wood mount

# 4- CENTER WING Tragflächenmittelstück

CENTER WING - BOTTOM VIEW  
Ansicht von unten

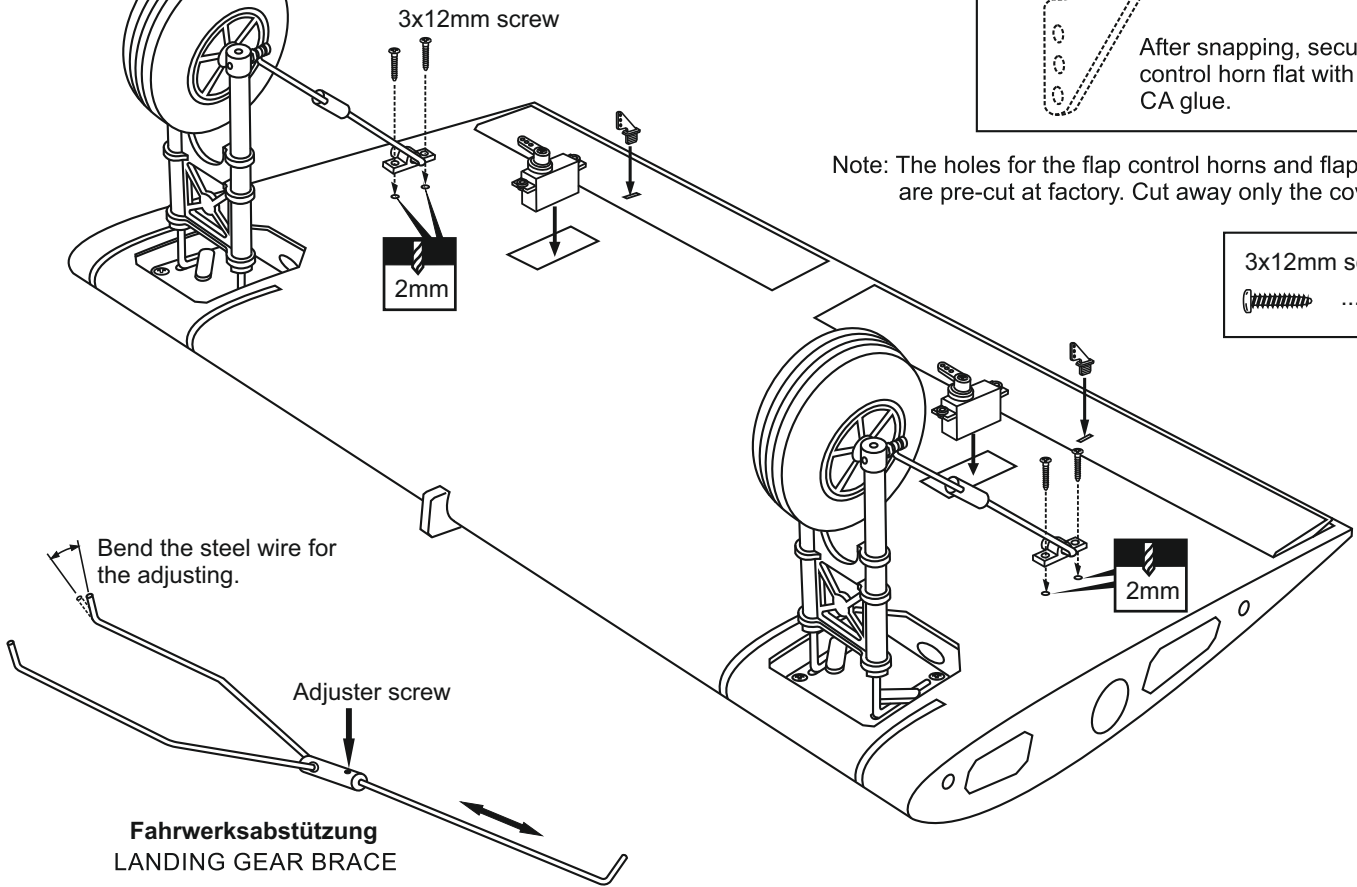
## Step 4A

Plastic control horn  
.....1

Thin CA  
CA

After snapping, secure the control horn flat with thin CA glue.

Note: The holes for the flap control horns and flap servos are pre-cut at factory. Cut away only the covering.



CENTER WING - TOP VIEW

## Step 4B

Korrekt ausrichten

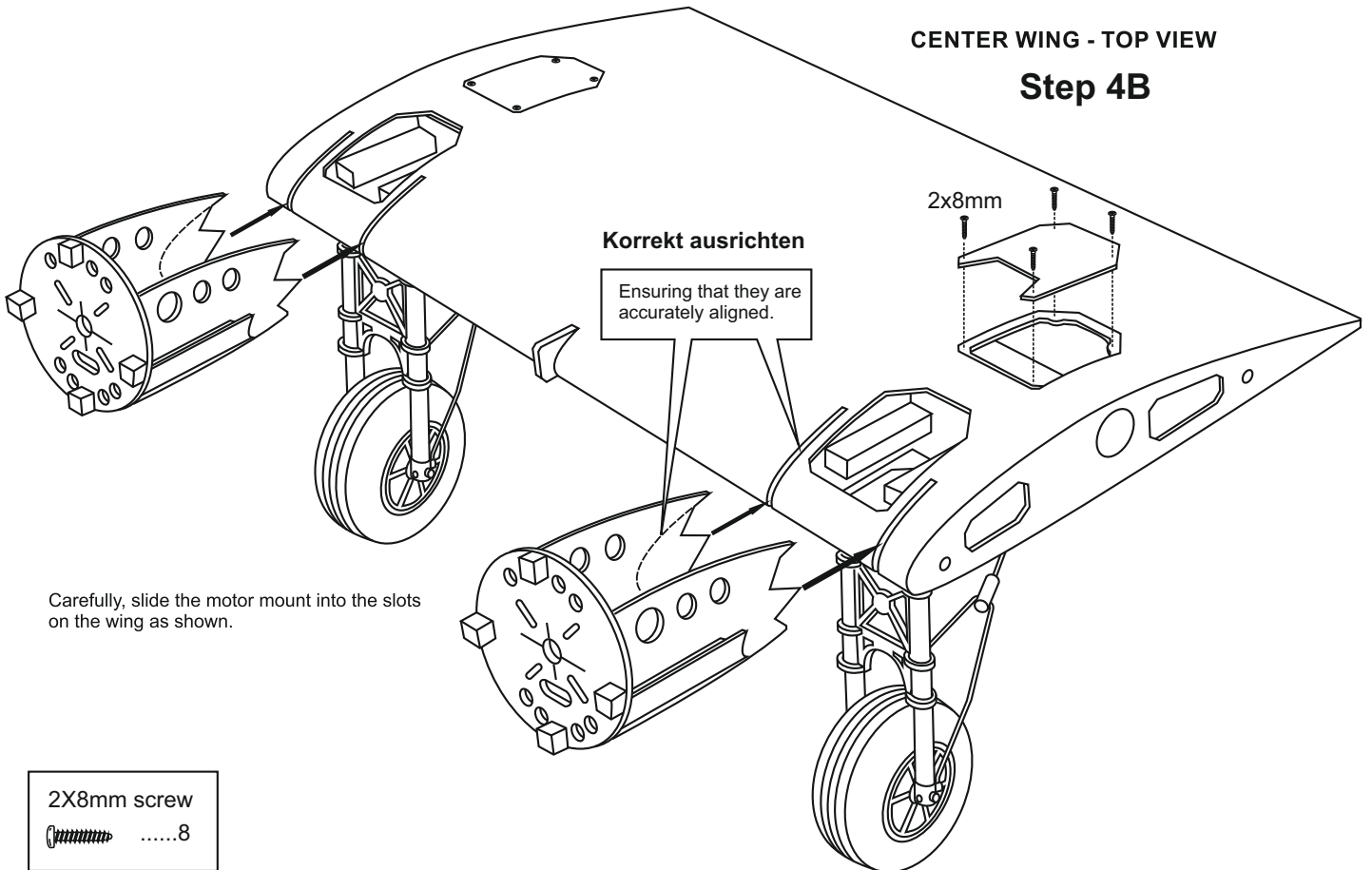
Ensuring that they are accurately aligned.

2x8mm

Carefully, slide the motor mount into the slots on the wing as shown.

2X8mm screw

.....8

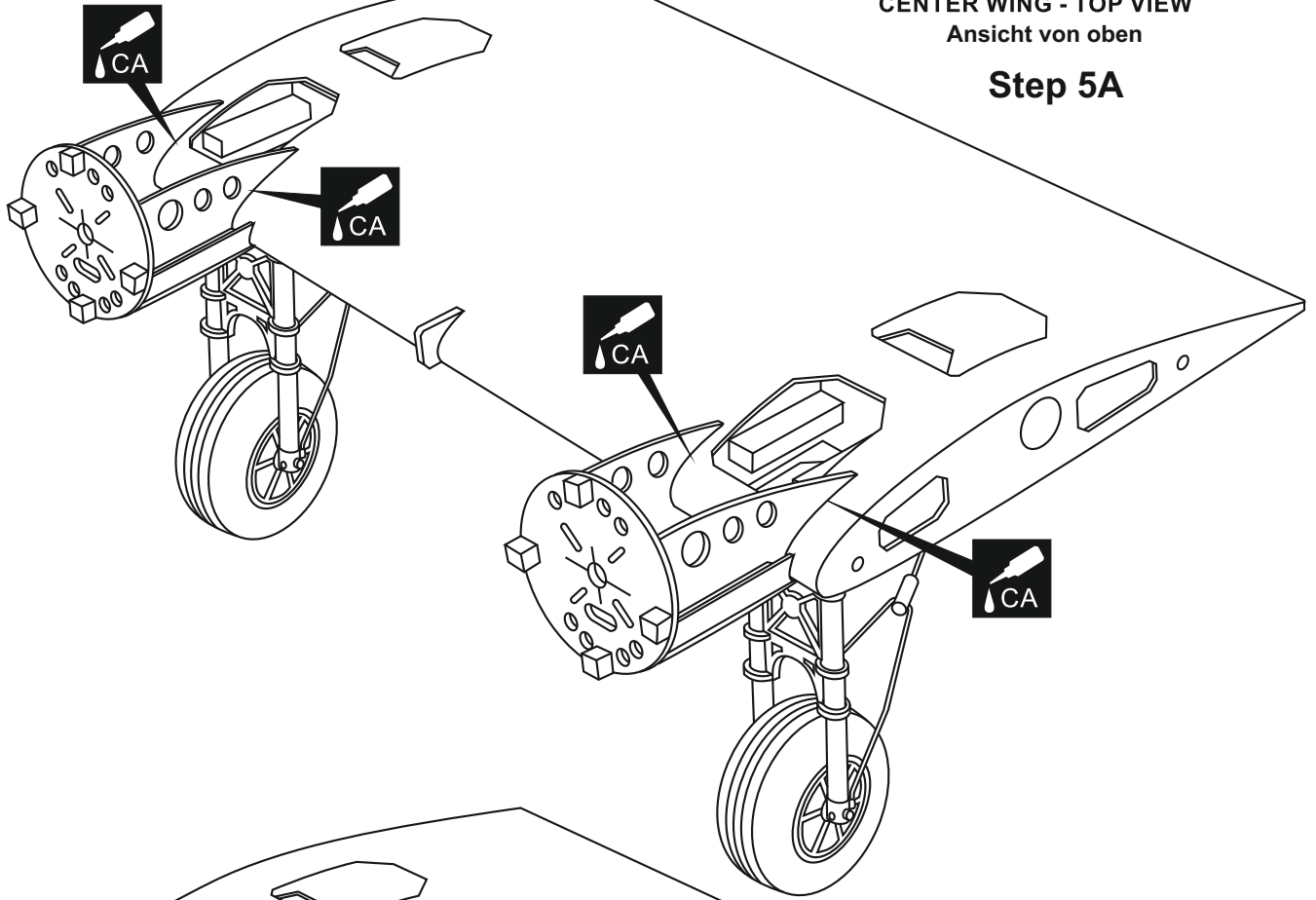


# 5- CENTER WING

CENTER WING - TOP VIEW

Ansicht von oben

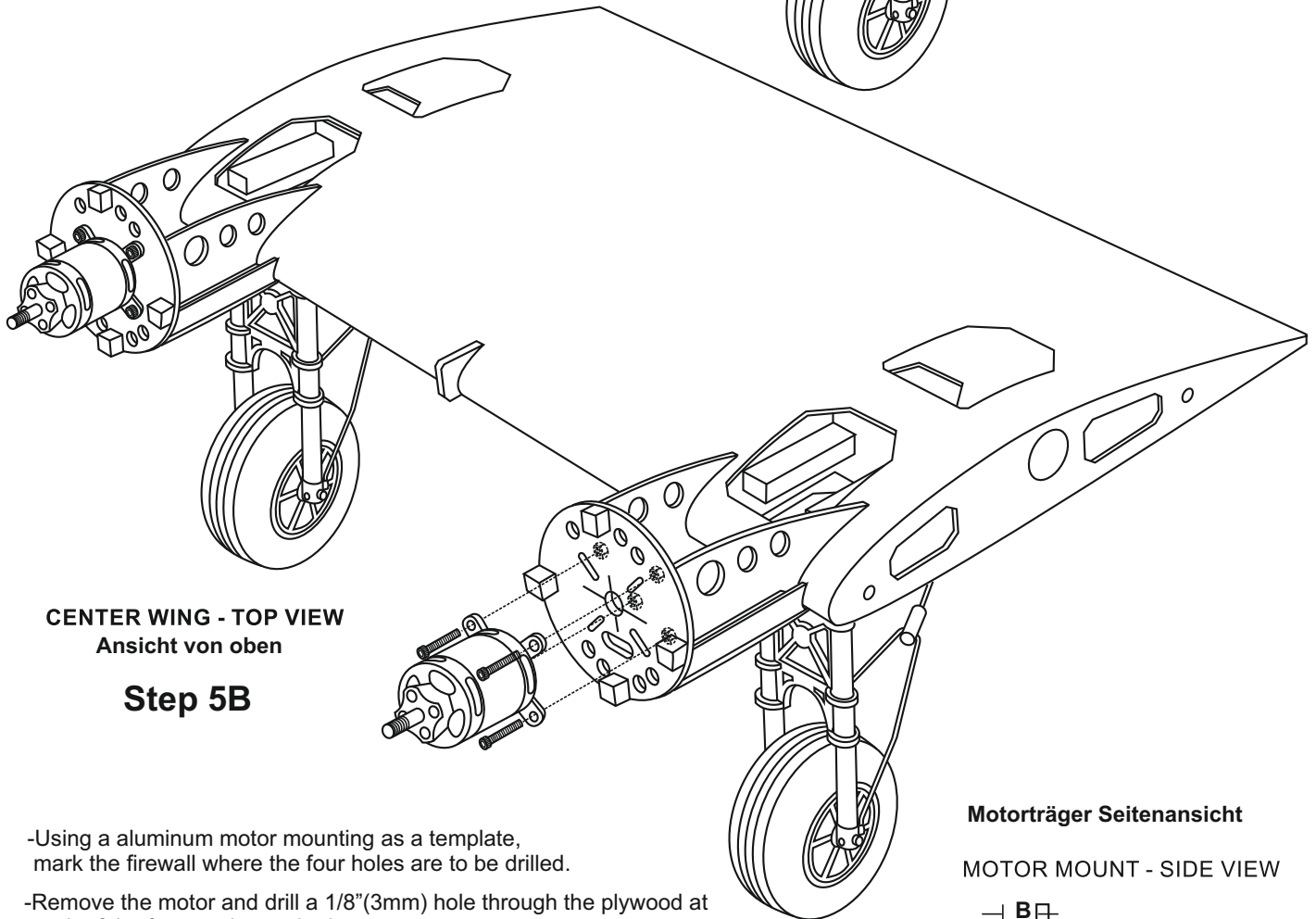
Step 5A



CENTER WING - TOP VIEW

Ansicht von oben

Step 5B



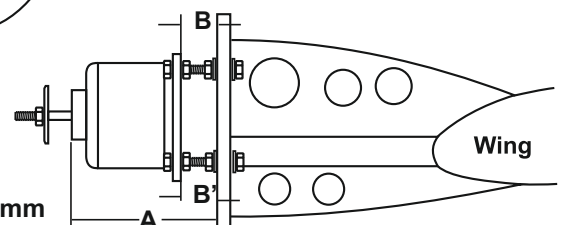
-Using a aluminum motor mounting as a template,  
mark the firewall where the four holes are to be drilled.

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

Motorträger Seitenansicht

MOTOR MOUNT - SIDE VIEW

B=B'  
A= 60-65mm



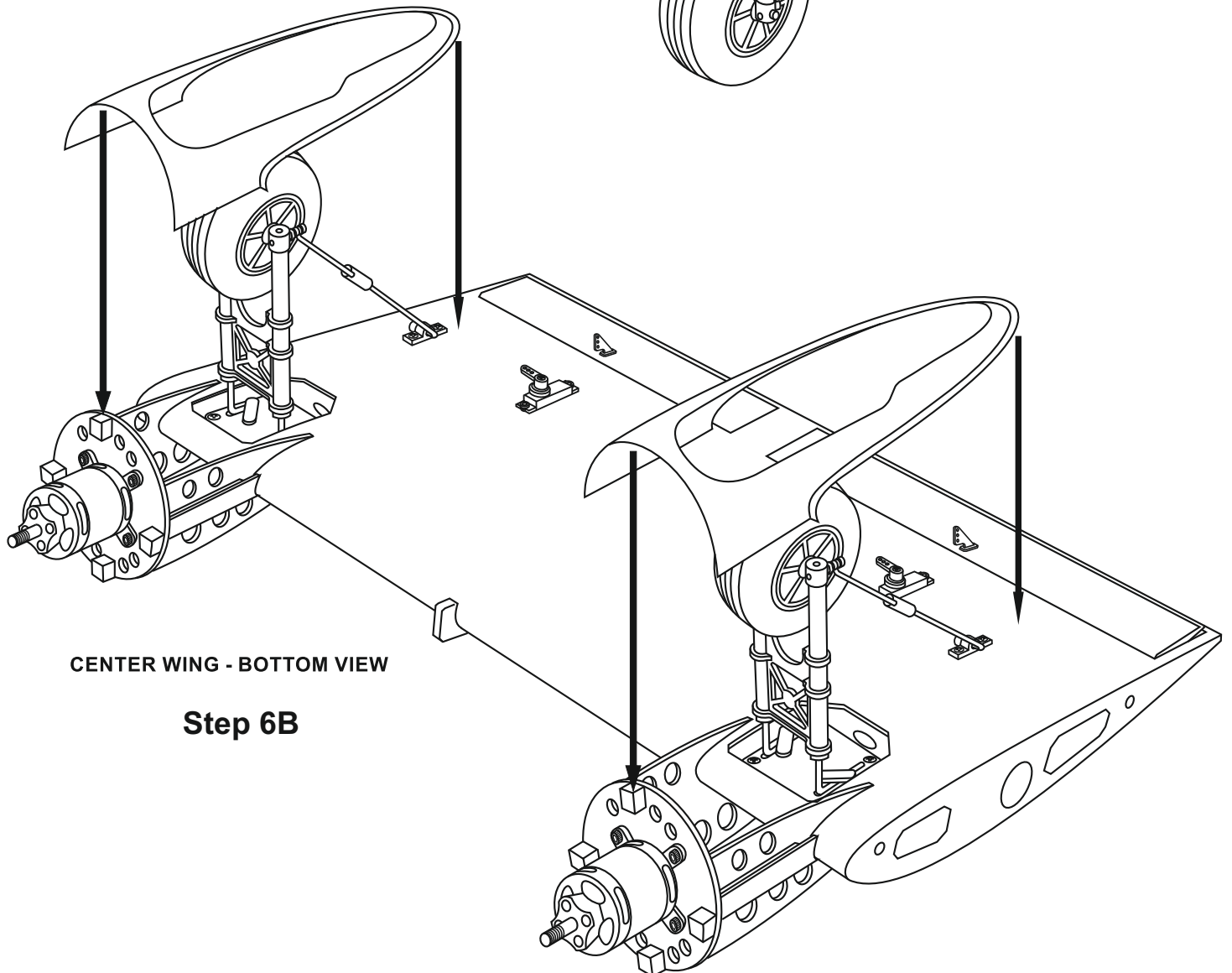
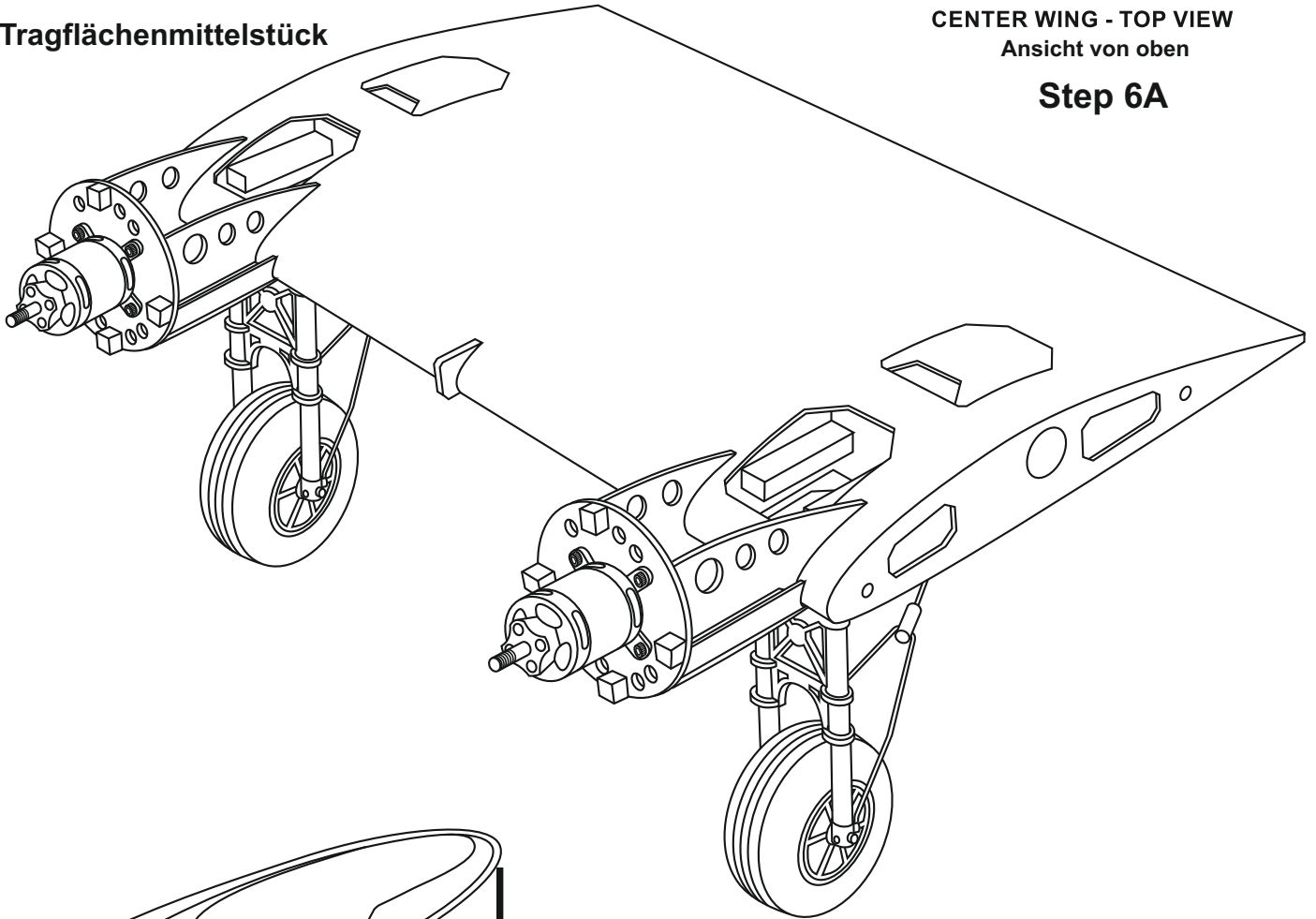
# 6- CENTER WING

Tragflächenmittelstück

CENTER WING - TOP VIEW

Ansicht von oben

Step 6A



CENTER WING - BOTTOM VIEW

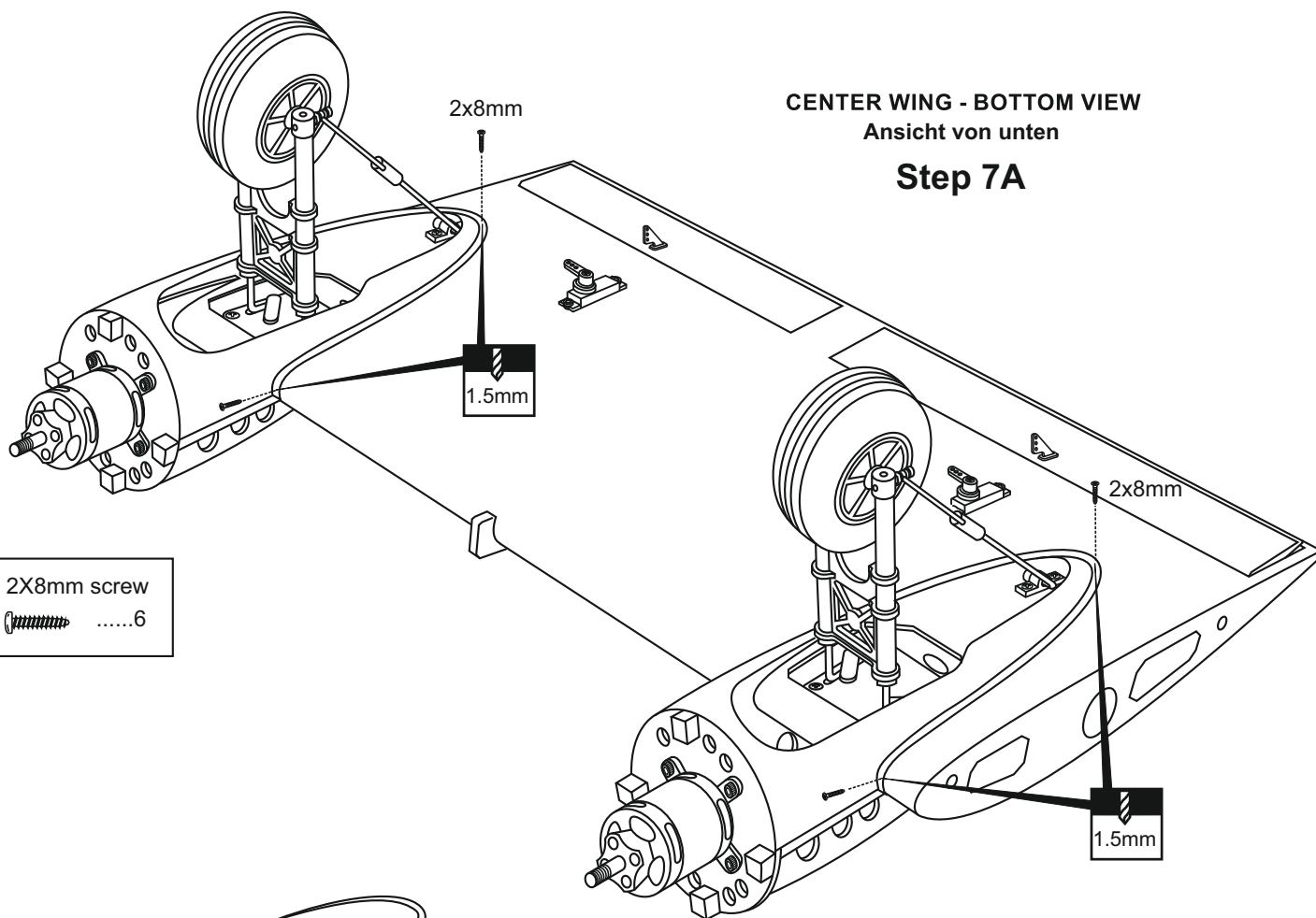
Step 6B



# 7- CENTER WING Tragflächenmittelstück

CENTER WING - BOTTOM VIEW  
Ansicht von unten

## Step 7A

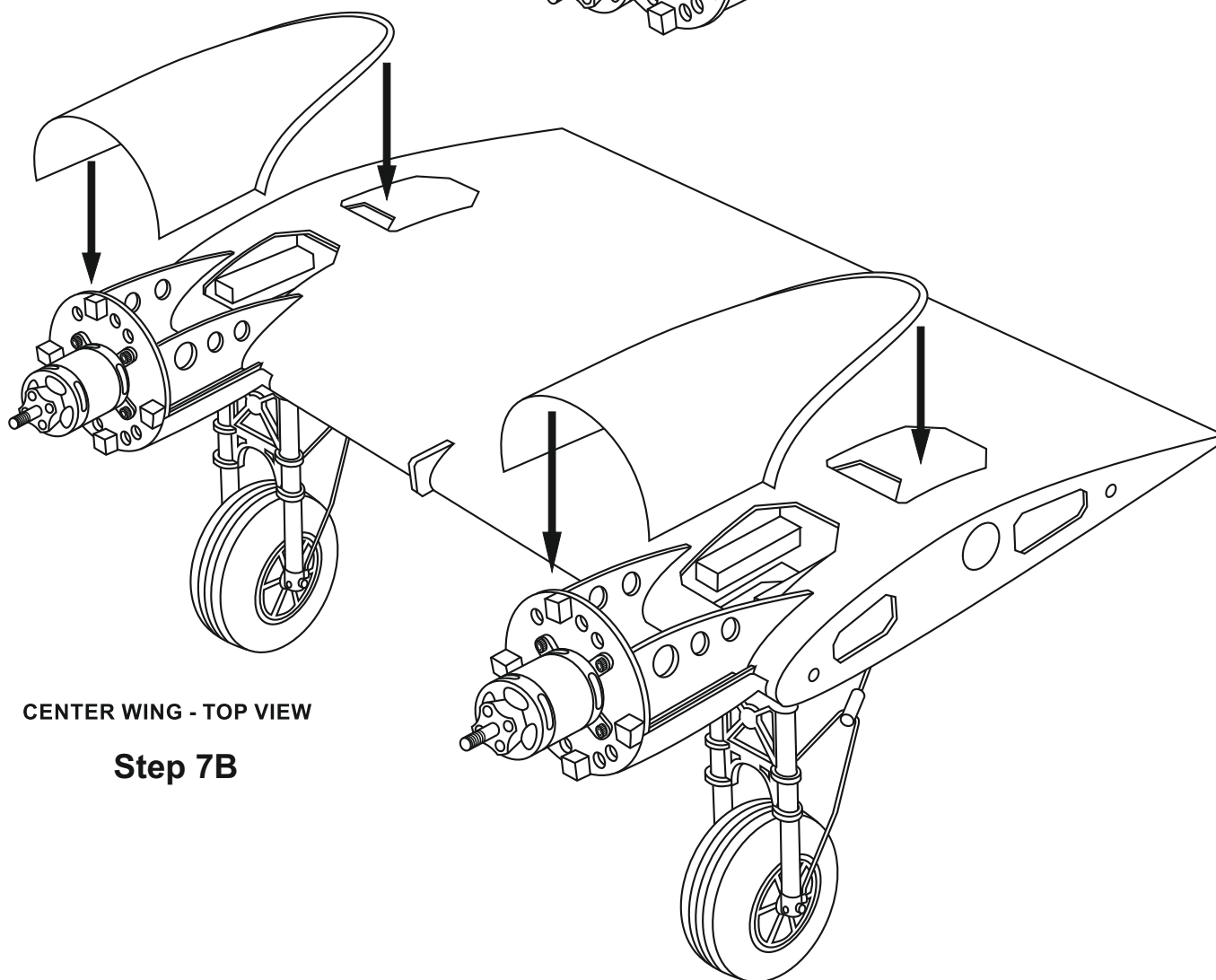


2X8mm screw

 .....6

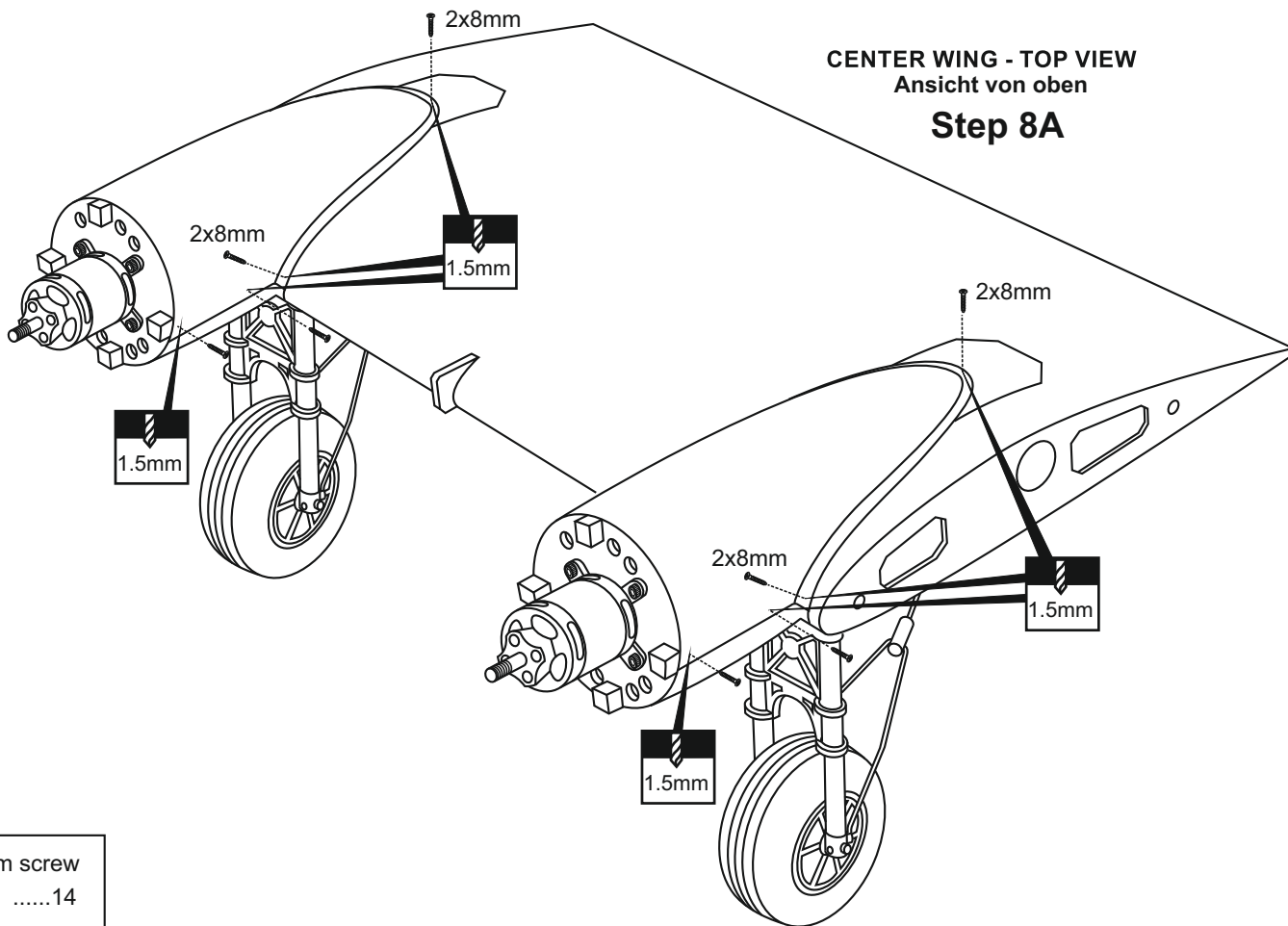
CENTER WING - TOP VIEW

## Step 7B



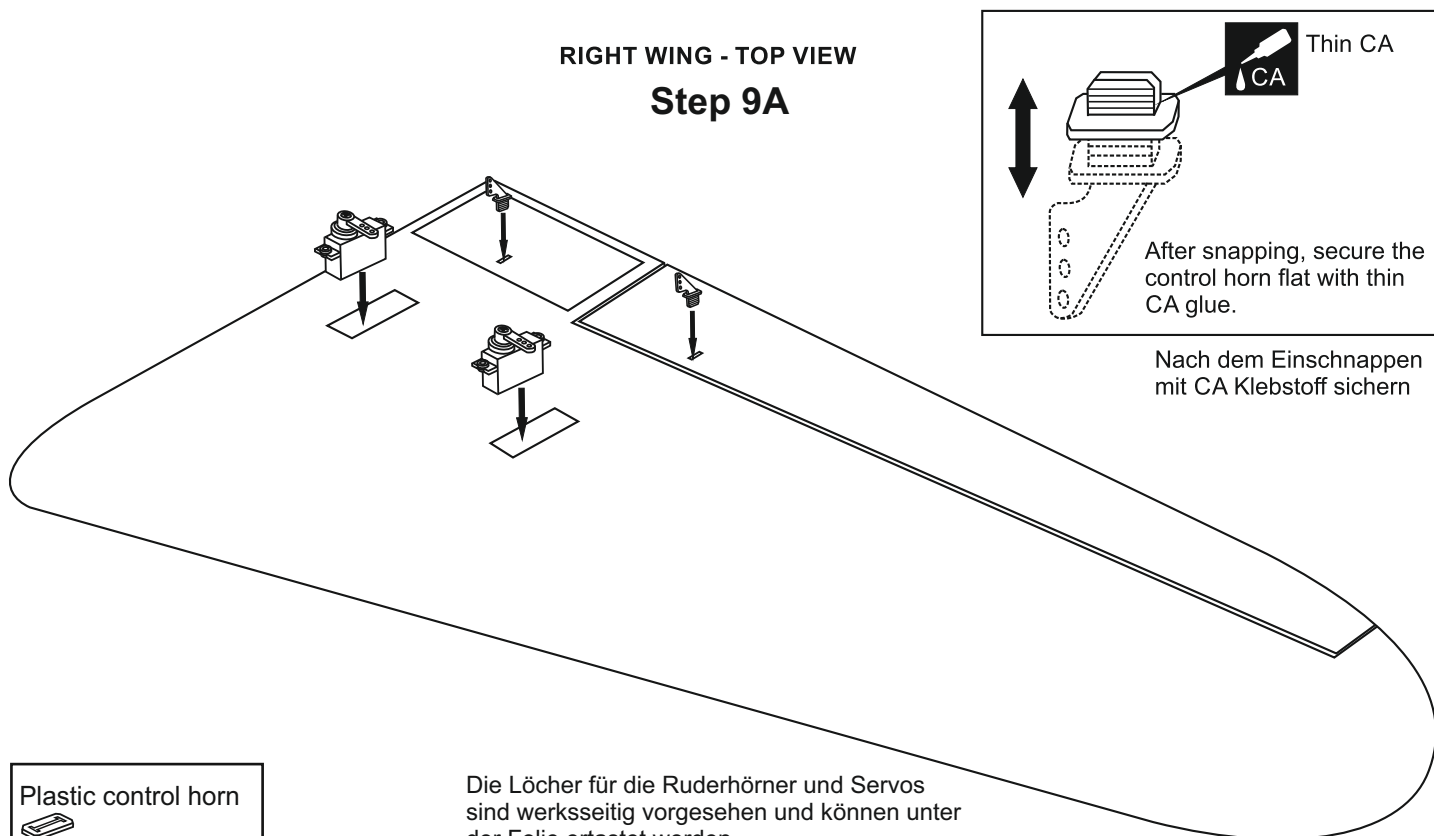
# 8- CENTER WING

CENTER WING - TOP VIEW  
Ansicht von oben  
**Step 8A**



# 9- RIGHT (LEFT) WING

RIGHT WING - TOP VIEW  
**Step 9A**



Die Löcher für die Ruderhörner und Servos sind werksseitig vorgesehen und können unter der Folie ertastet werden.

Note: The holes for the control horns and servos installation are pre-cut at factory. Cut away only the covering.

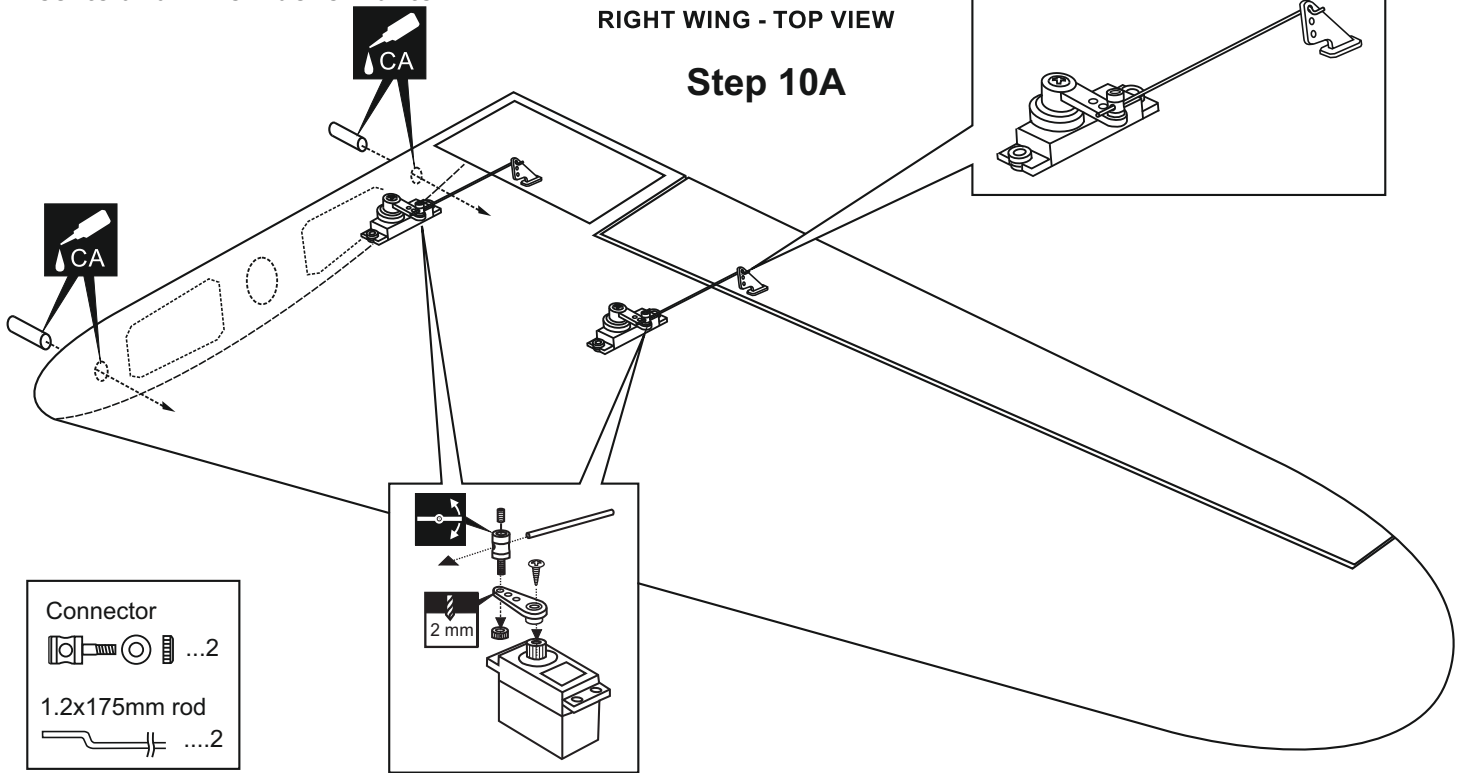
## 10- RIGHT (LEFT) WING

Rechte und linke Flächenhälfte

Rechte Flächenhälfte von oben

RIGHT WING - TOP VIEW

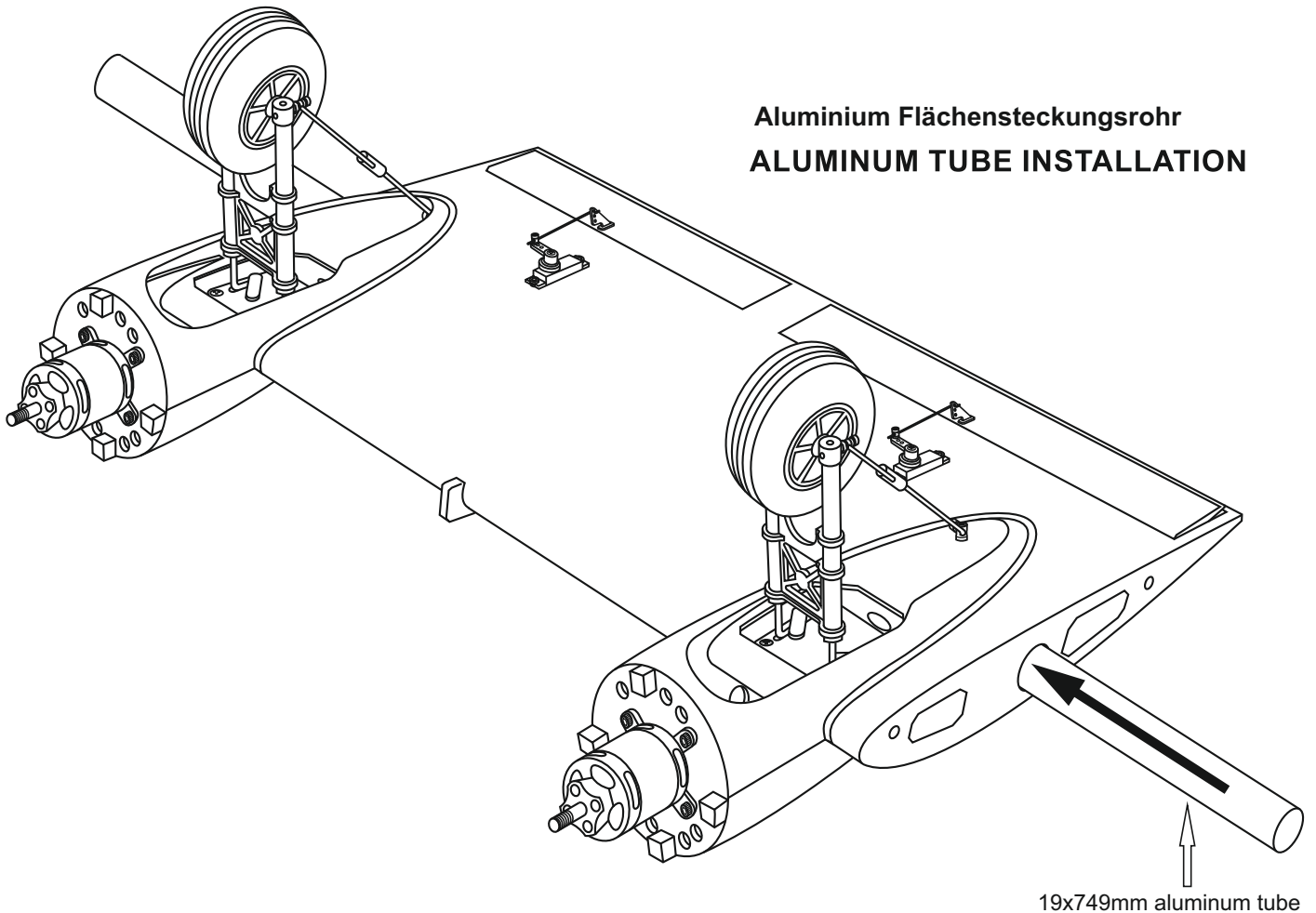
Step 10A



## 11- CENTER WING

Tragflächenmittelstück

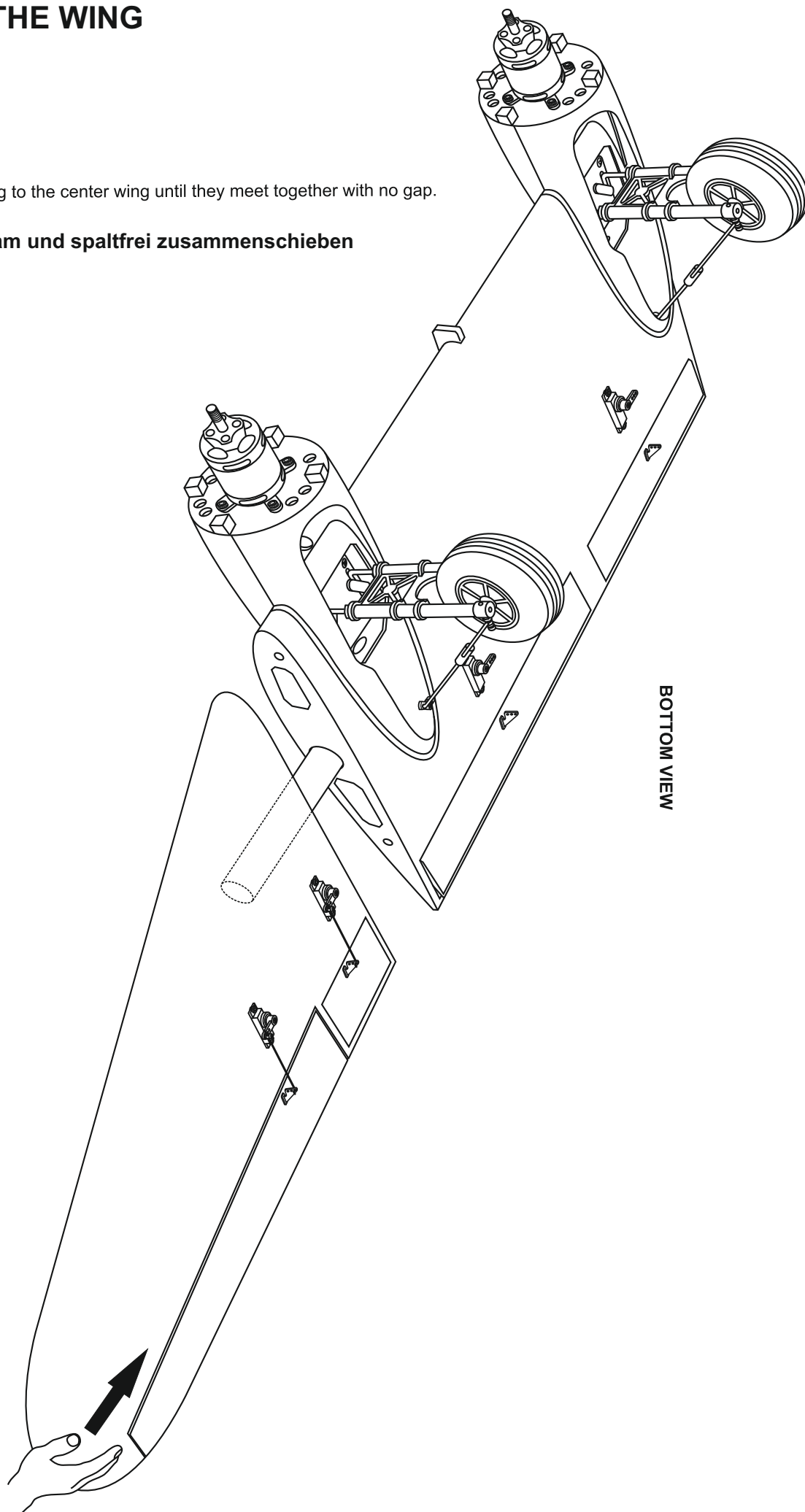
Aluminium Flächensteckungsrohr  
ALUMINUM TUBE INSTALLATION



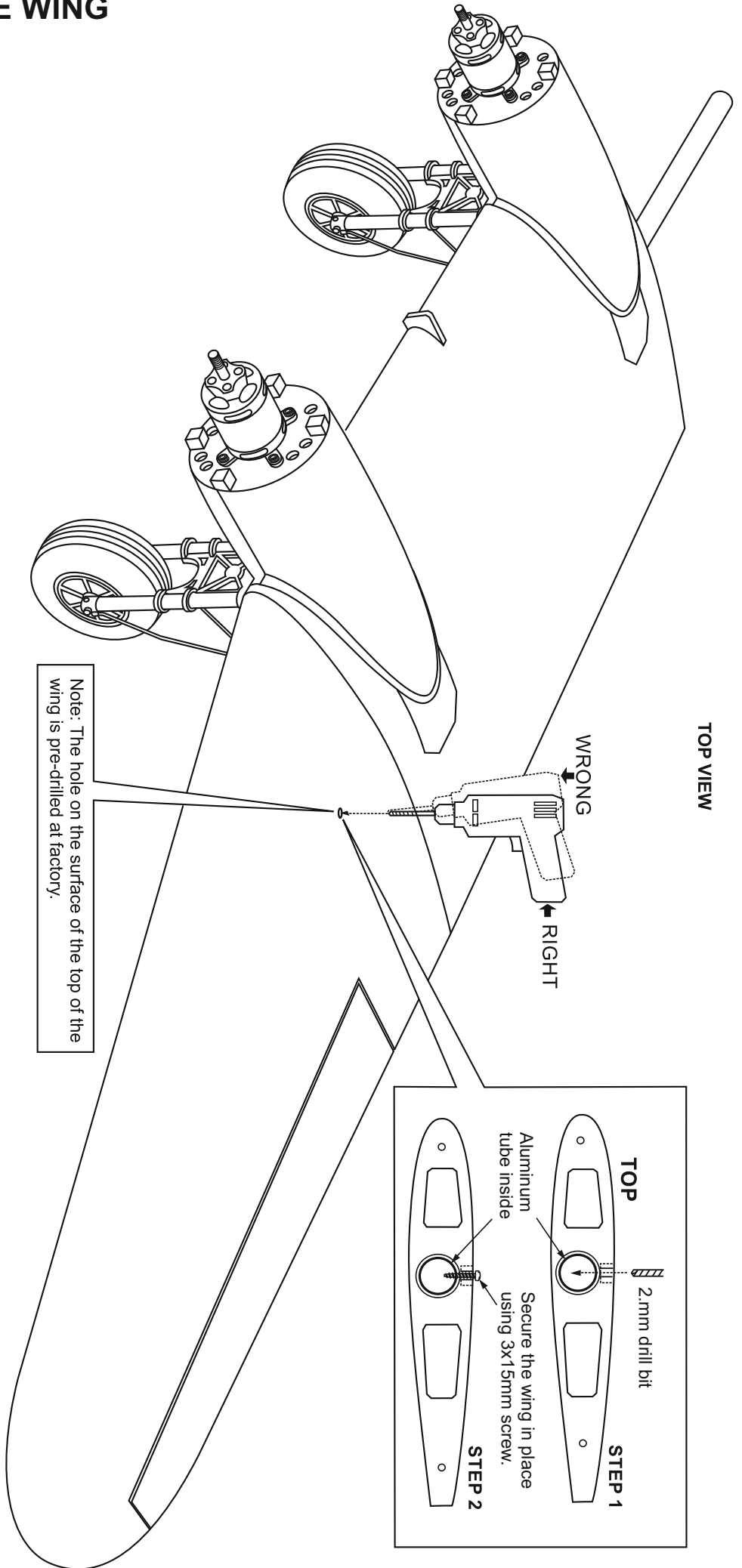
## 12- JOINING THE WING

Slowly, push the left wing to the center wing until they meet together with no gap.

**Flächenteile langsam und spaltfrei zusammenschieben**



# 13- JOINING THE WING



Do the same way with the right wing.

3x1 5mm screw  
 ..... 2

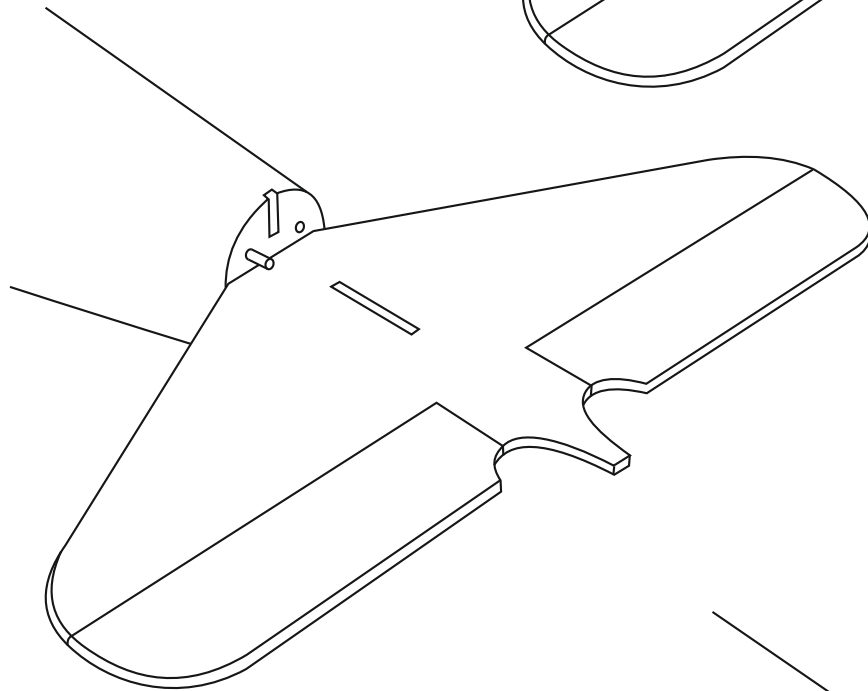
# 14- HORIZONTAL STABILIZER

FUSELAGE - TOP VIEW

Trial fit the horizontal stabilizer in place on the fuselage. Check the alignment of the horizontal stabilizer by measuring from a fixed point along the center line of the fuselage to the leading edge on each side of the horizontal stabilizer. The distance must be equal on both sides.

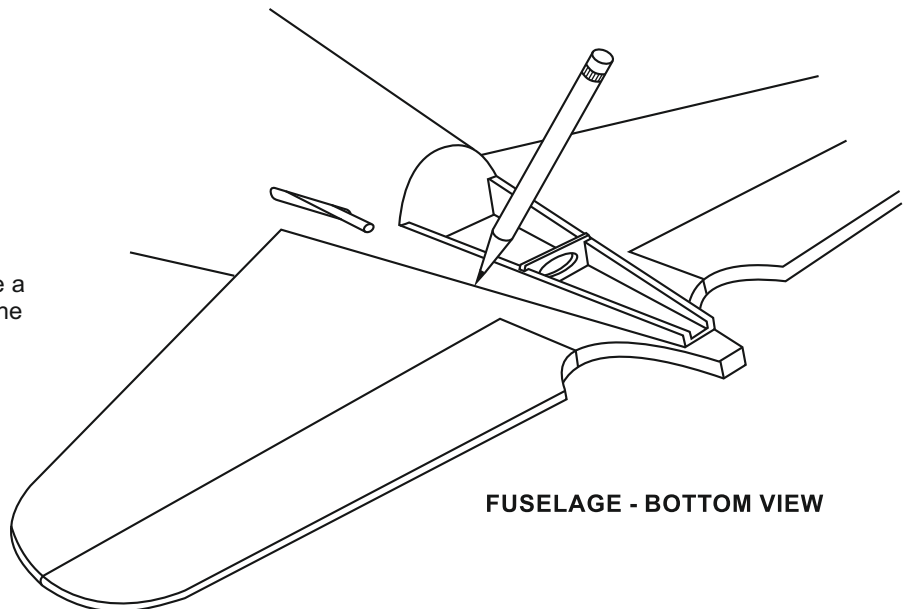
Note: The rectangular aperture on the horizontal stabilizer must be coincident with the rectangular aperture on the fuselage.

Bitte korrekt ausrichten



When you are satisfied with the alignment, use a pencil to carefully trace around the bottom of the stabilizer where it meets the fuselage

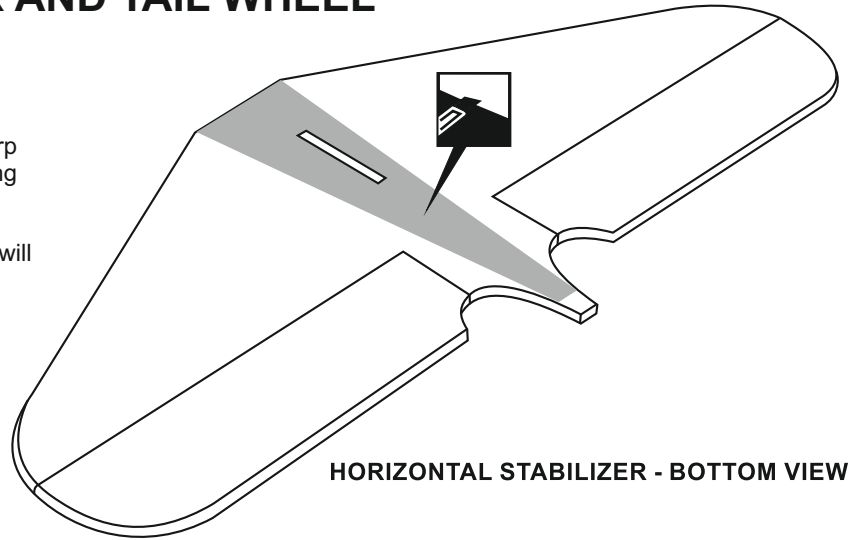
FUSELAGE - BOTTOM VIEW



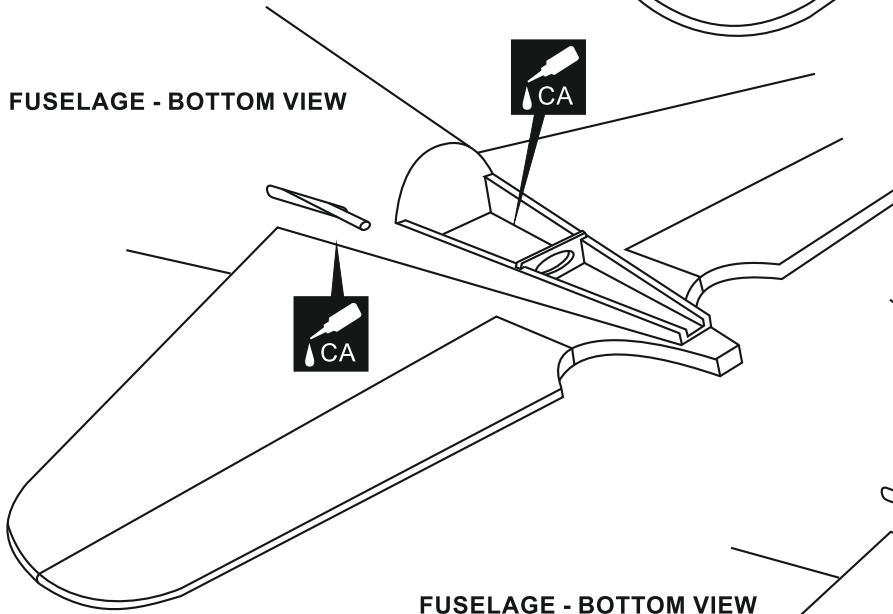
# 15- HORIZONTAL STABILIZER AND TAIL WHEEL

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

Be cautious not to cut into the wood - this will weaken the structure.

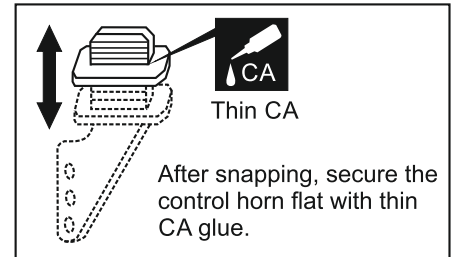


HORIZONTAL STABILIZER - BOTTOM VIEW



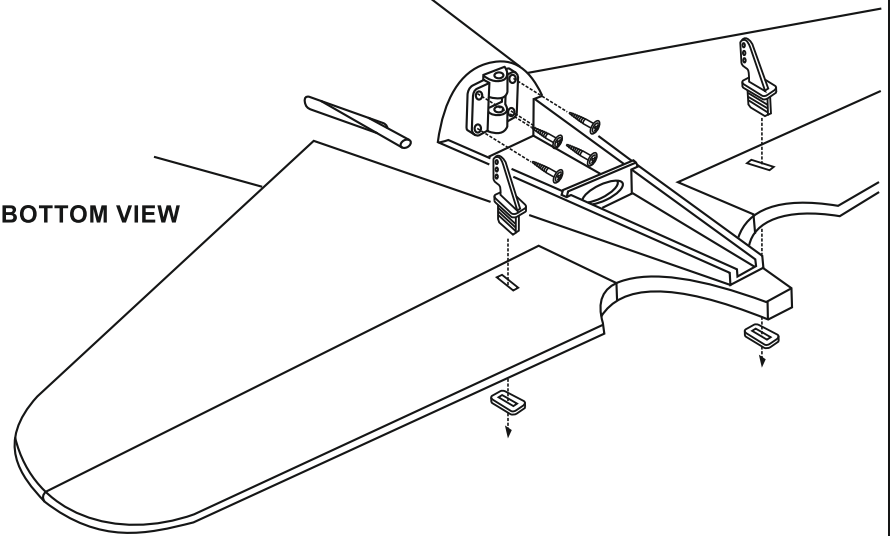
FUSELAGE - BOTTOM VIEW

FUSELAGE - BOTTOM VIEW

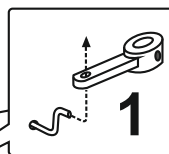


Thin CA  
After snapping, secure the control horn flat with thin CA glue.

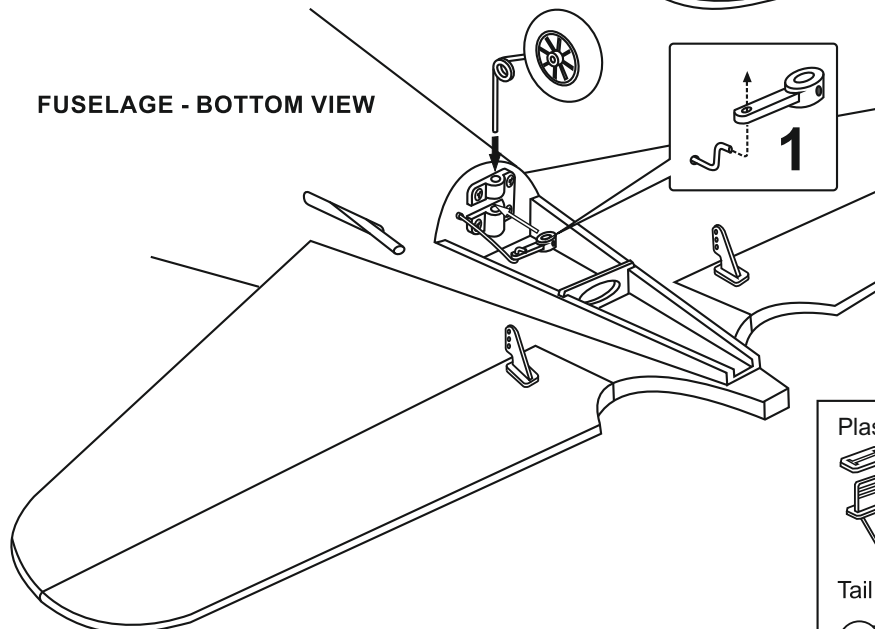
Note: The holes for the elevator control horns are pre-cut at factory. Cut away only the covering.



FUSELAGE - BOTTOM VIEW

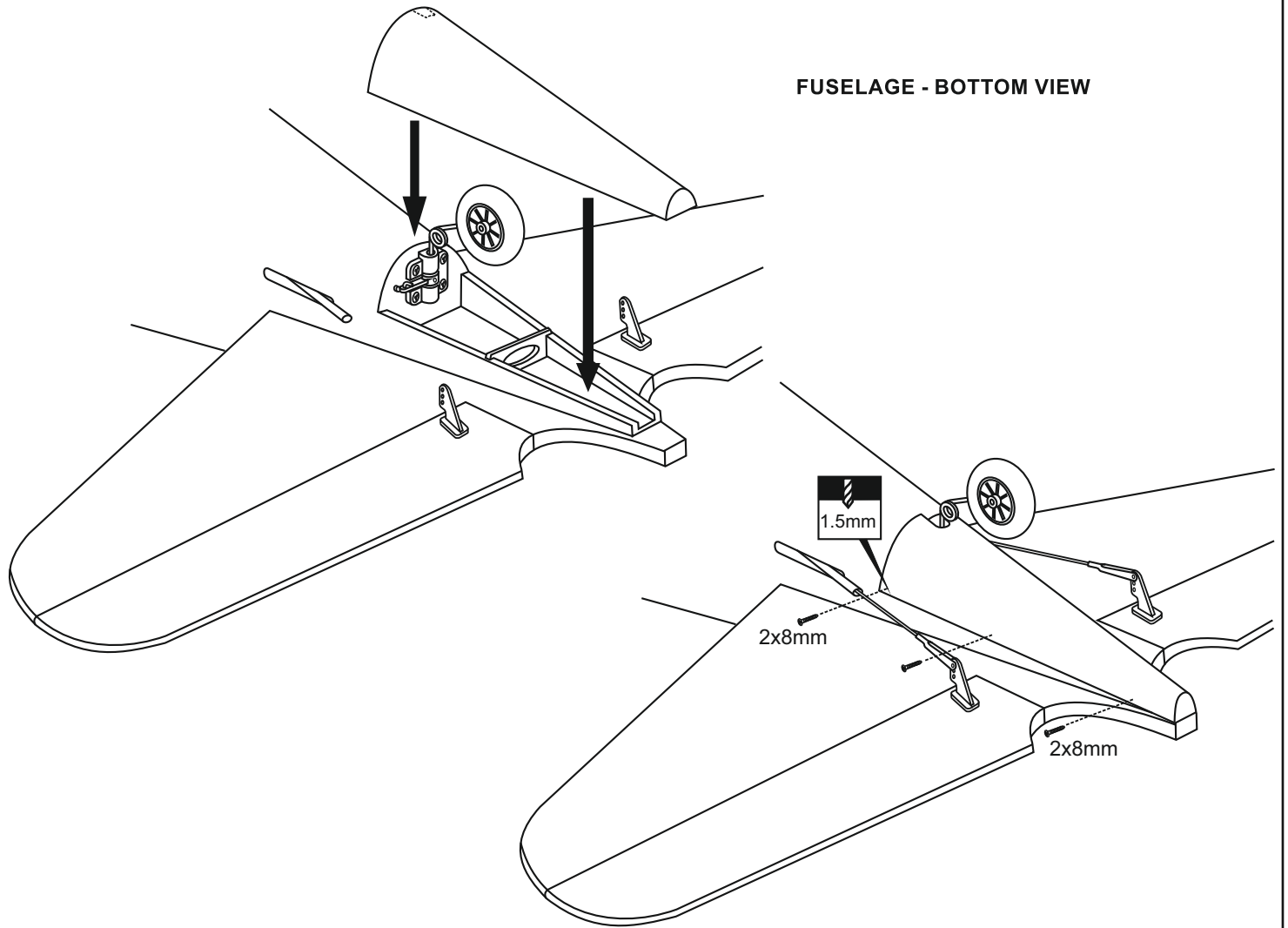


- 1- Insert the tail wheel pushrod into the hole on the tail gear control horn (as show).
- 2- Install the tail wheel control horn in place.
- 3- Instal the tail wheel gear in place.
- 4- Secure the tail wheel control horn in place using a 2mm screw set, Ensure smooth non-binding movement.

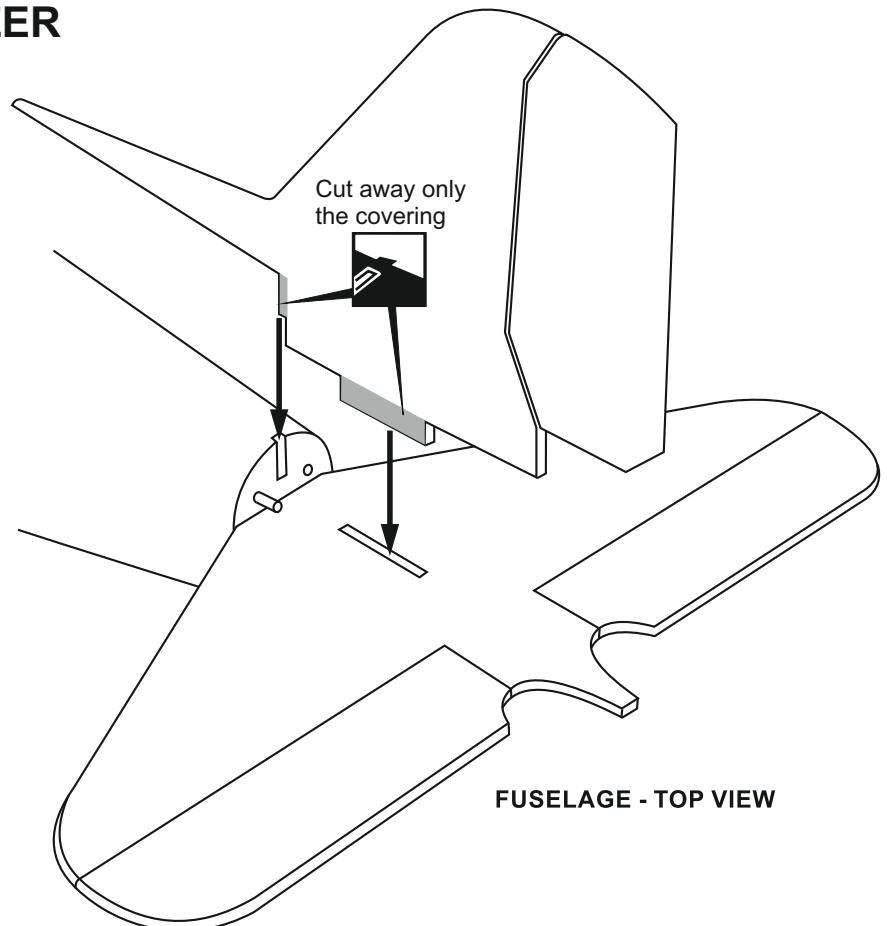


Plastic control horn	Tail gear mount	3x10mm screw
.....	.....	.....
.....2	.....1	.....4
Tail wheel control horn	2mm I.D collar	
.....	.....	
.....1	.....1	

## 16- TAIL WHEEL COVER



## 17- VERTICAL STABILIZER

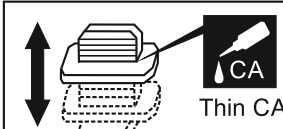


Remove the horizontal stabilizer from the fuselage. Using a straight edge and a sharp hobby knife, carefully cut away the covering inside the lines which were marked.

Be cautious not to cut into the wood - this will weaken the structure.

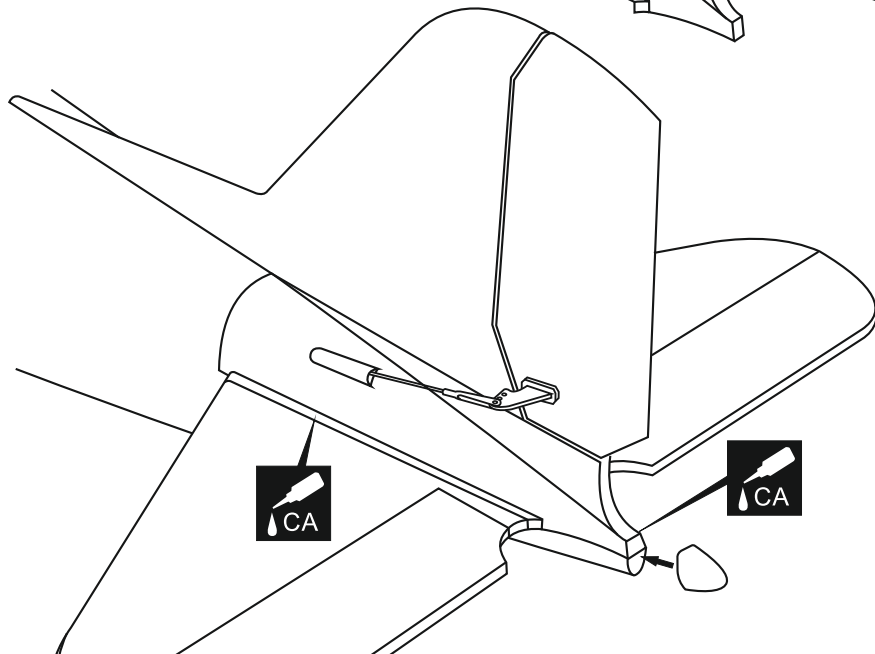
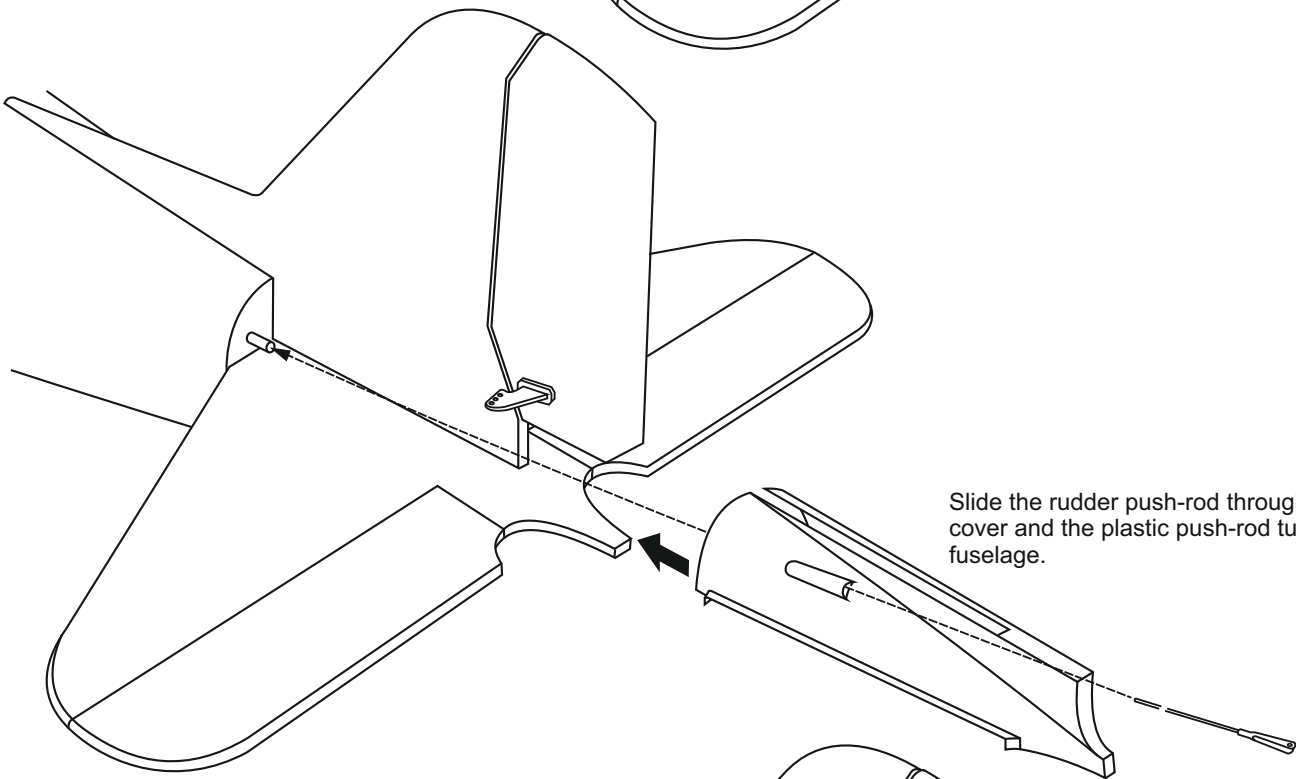
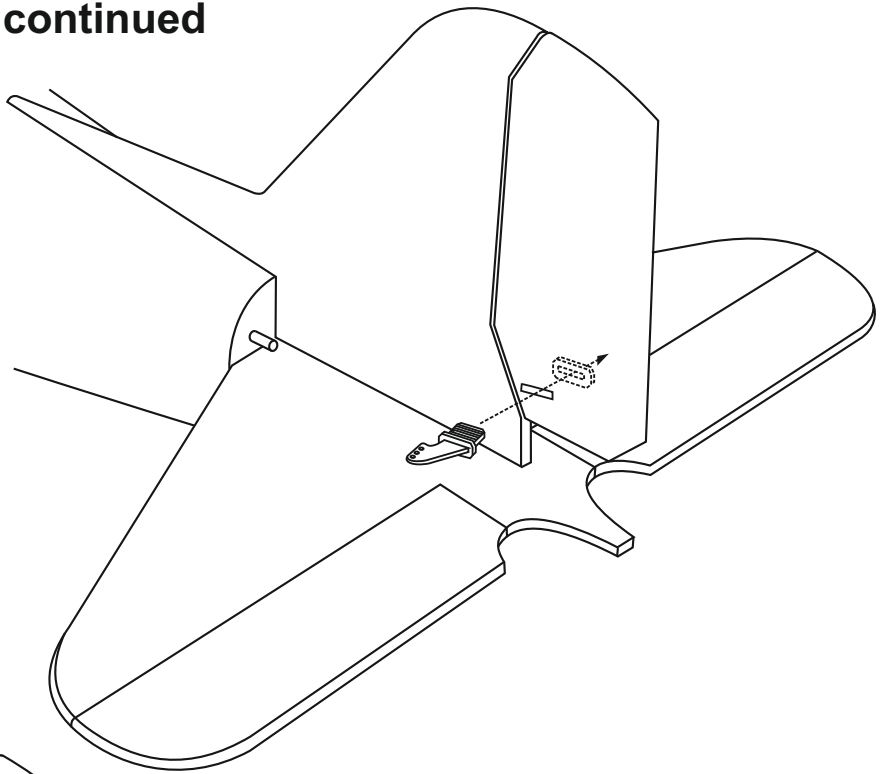


# 18- VERTICAL STABILIZER continued

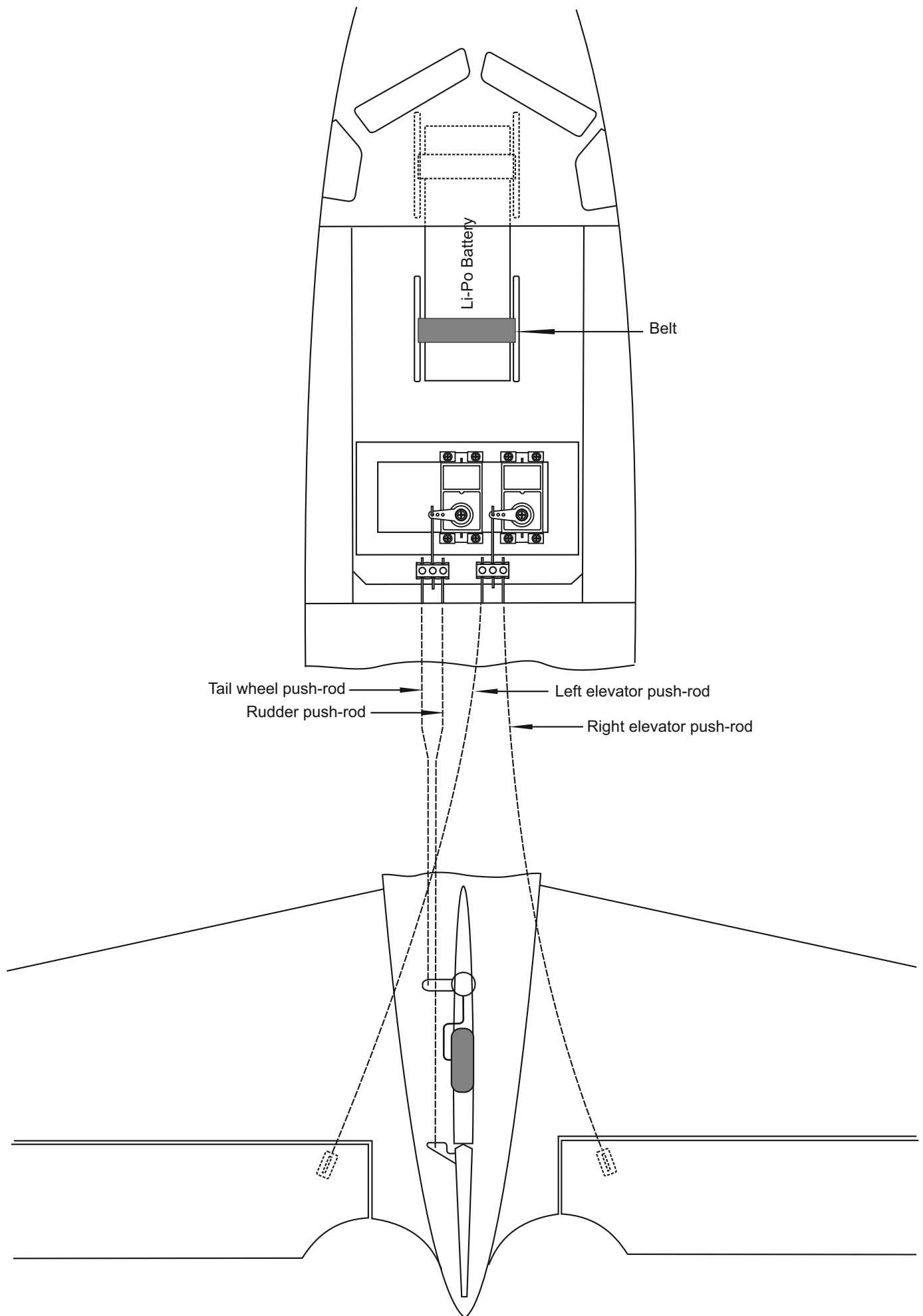


Thin CA

After snapping, secure the control horn flat with thin CA glue.

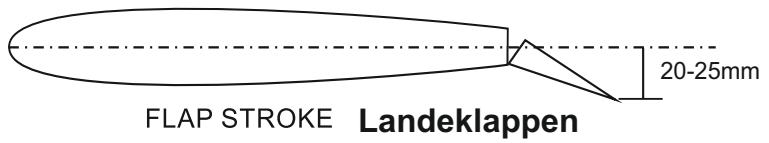
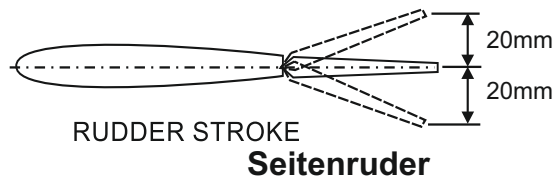
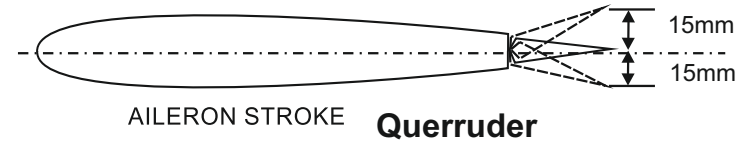
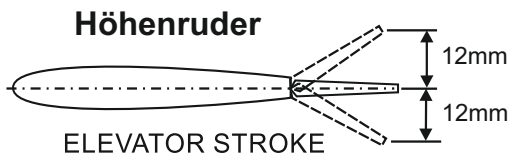
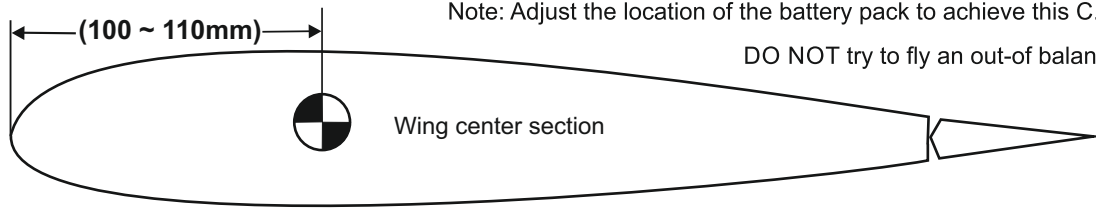


# 19- LINKAGES



## 20- BALANCE AND CONTROL SURFACE

## Schwerpunkt und Ruderausschläge



Adjust the travel of the control surfaces to achieve the values stated in the diagrams.  
These value will be suitable for average flight requirements. Adjust the values to suit your particular needs.