

Radio control model

R/C Flugmodell

**INSTRUCTION MANUAL
MONTAGEANLEITUNG**

PIPER PA-18 SUPER CUB



TECHNISCHE DATEN

Spannweite	2710mm
Länge	1720mm
Elektroantrieb	(siehe nächste Seite)
Verbrennerantrieb	26-30cc 2-T
Fernsteuerung	6 Kanal / 8 Servos

SPECIFICATIONS

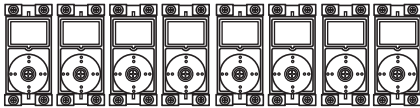
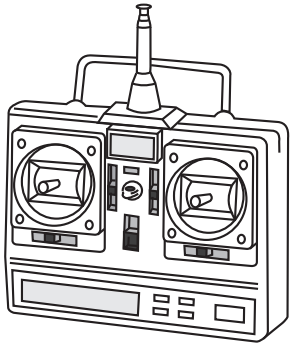
Wingspan	106.6in.
Length	67.7 in.
Electric Motor	(See next page)
Glow Engine	26-30cc two stroke
Radio	6 Channel / 8 Servos



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.

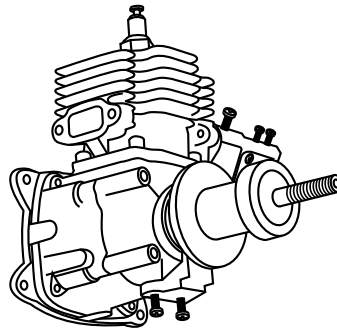
ACHTUNG! Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflugpiloten bestimmt, die ausreichende Erfahrung im Umgang mit derartigen Modellen besitzen. Bei unsachgemäßer Verwendung kann hoher Personen- und/oder Sachschaden entstehen. Fragen Sie in einem Modellbauverein 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.

REQUIRED FOR OPERATION (Purchase separately)
BENÖTIGTE KOMPONENTEN FÜR DEN ABFLUG (Nicht enthalten)

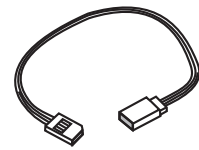


Minimum 6 channel radio
for airplane with 8 servos

.Motor control x1 .Aileron x2
.Elevator x2 .Rudder x1 .Flap x 2



Gas Engine: 26 ~ 30cc



Extension for aileron
servo, Flap servo.



Nylon tube

GLUE (Purchase separately)



Silicon sealer

Cyanoacrylate
Glue
Klebstoff



Epoxy Glue (5 minute type)
Epoxy-Klebstoff (5min-Typ)

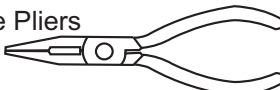
Epoxy Glue (30 minute type)
Epoxy-Klebstoff (30min-Typ)

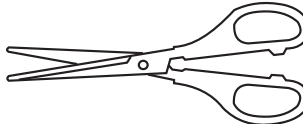
TOLLS REQUIRED (Purchase separately)

Hobby knife 

Phillip screw driver 

Hex Wrench 

Needle nose Pliers 

Scissors 

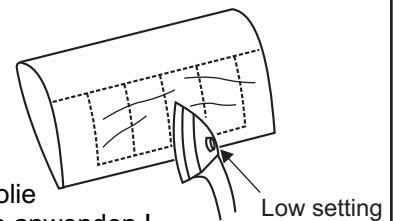
Awl 

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 !

 Drill holes using the stated 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

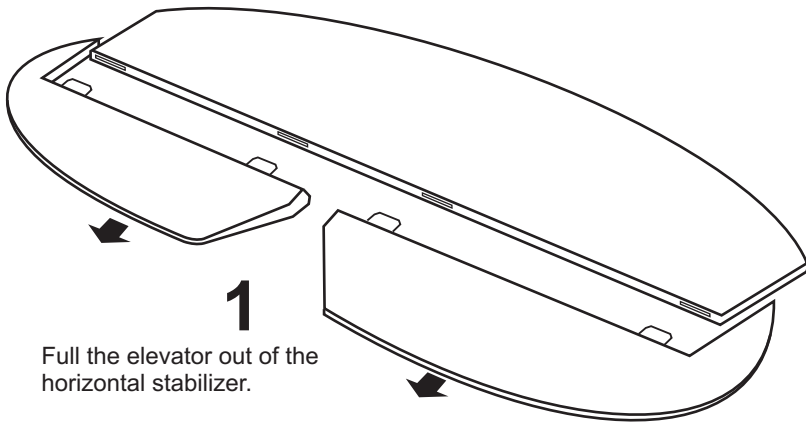
 Löcher bohren mit dem angegebenen Bohrer (hier 1,5 mm)	 Hier besonders aufpassen	 Schraffierte Stellen, Bespannfolie vorsichtig entfernen	 Während des Zusammenbaus immer prüfen, ob sich die Teile auch reibungslos bewegen lassen
 Epoxy-Klebstoff verwenden	 Sekundenkleber auftragen	 Linke und rechte Seite 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"	

HORIZONTAL STABILIZER - VERTICAL STABILIZER

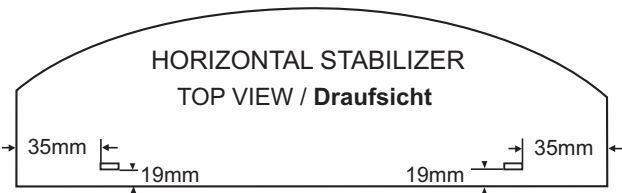


1

Full the elevator out of the horizontal stabilizer.

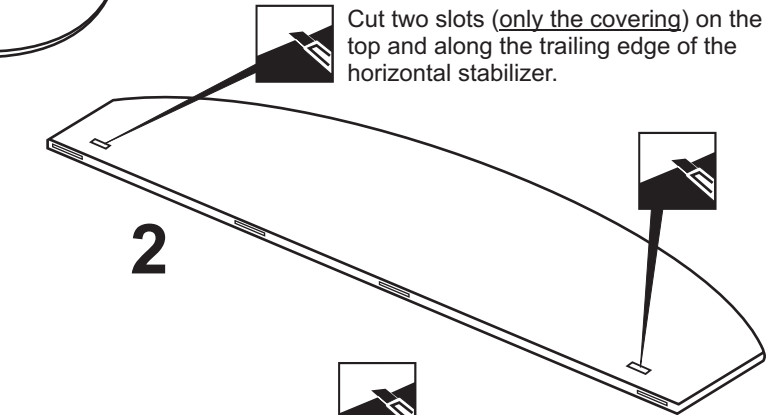
TOP VIEW / Draufsicht

Cut two slots (only the covering) on the top and along the trailing edge of the horizontal stabilizer.



HORIZONTAL STABILIZER
TOP VIEW / Draufsicht

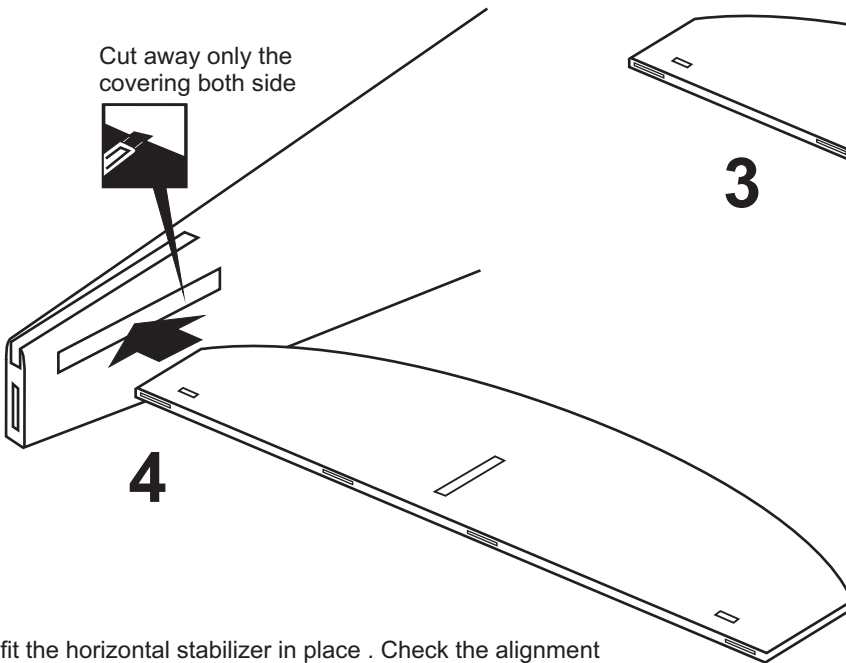
2



Cut away only the covering on the top and bottom

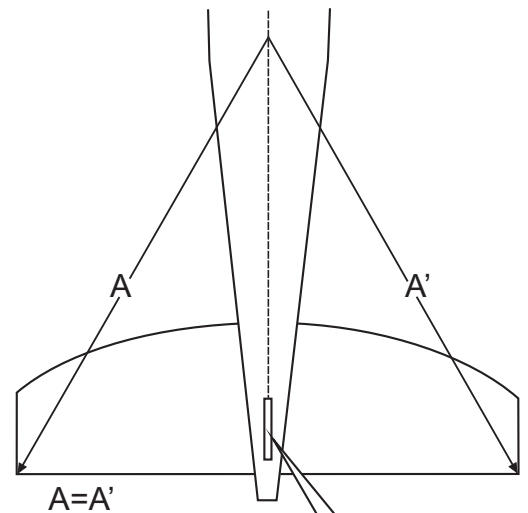
3

Cut away only the covering both side

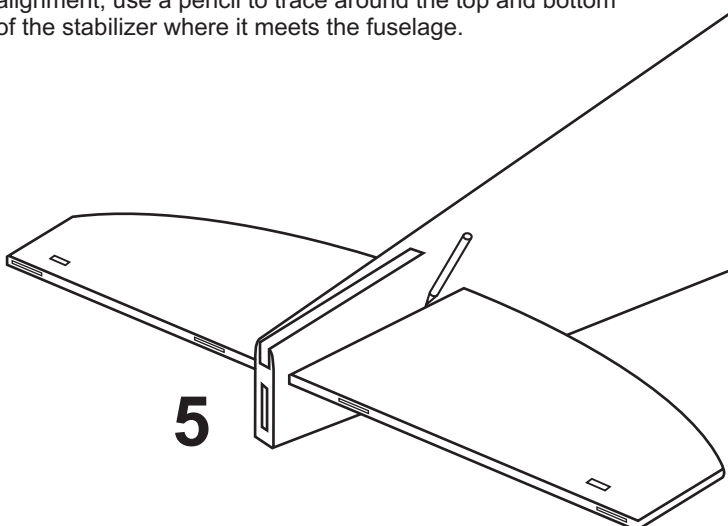


4

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.



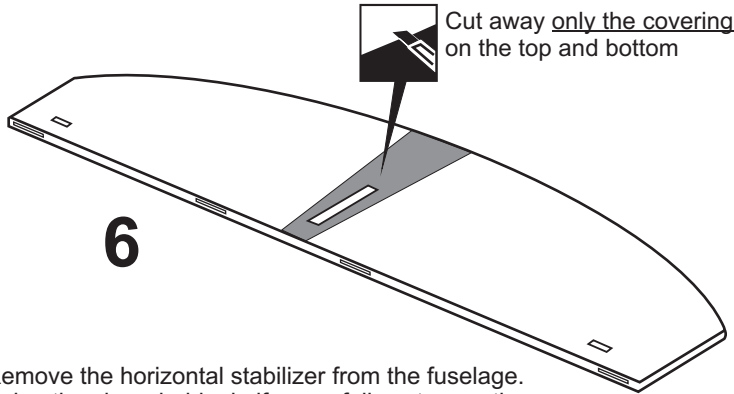
The slot on the horizontal stabilizer and the slot on the fuselage must be coincidental.



5

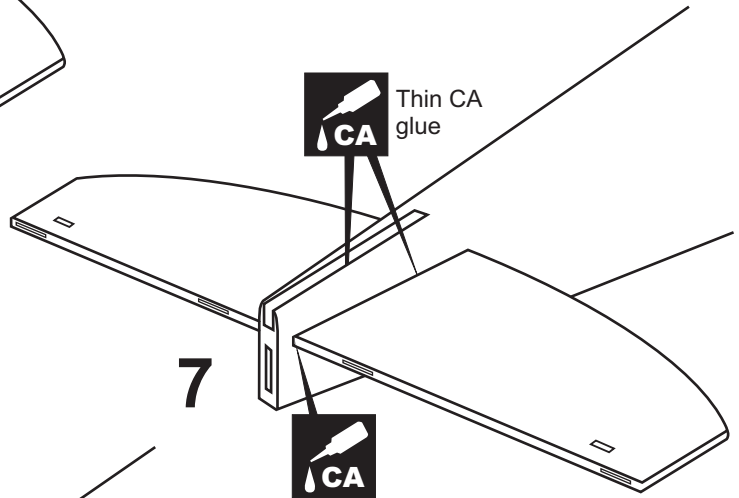
Pull the horizontal stabilizer through the other side of the fuselage and repeat the previous procedures to glue the second torque rod wire into the horizontal stabilizer.

Realign the horizontal stabilizer, then glue the horizontal stabilizer into the fuselage, using a generous amount of thin CA. Apply thin CA to each of the four joints and use a generous amount to ensure to strong bond.

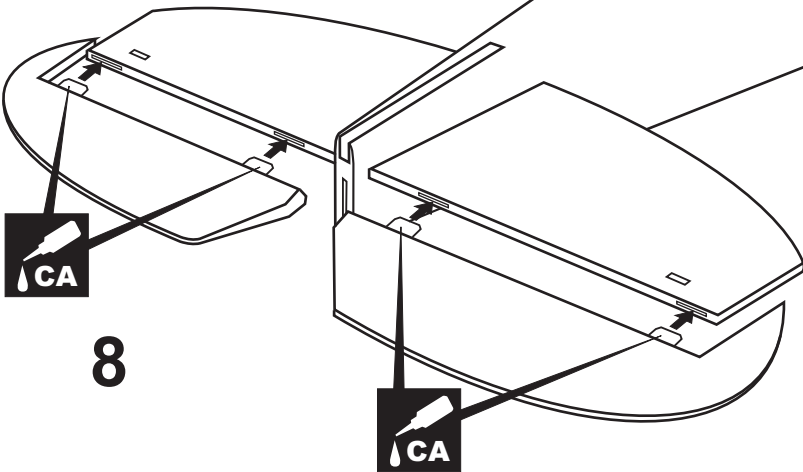


6

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



7

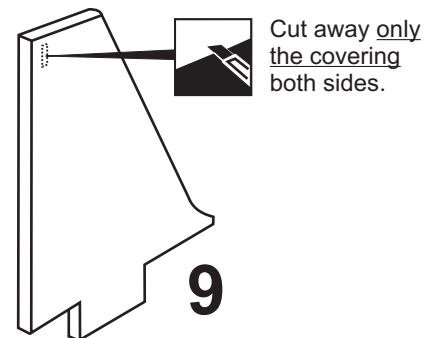


8

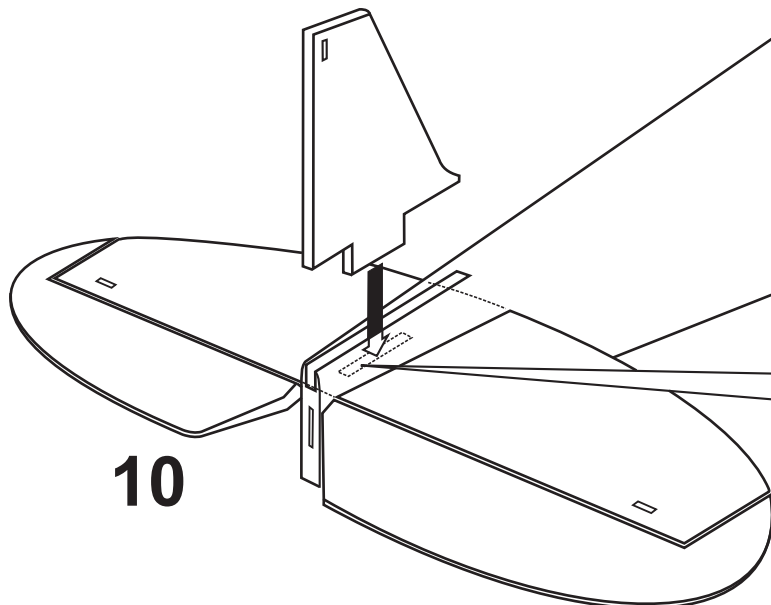
The elevator hinges are pre-glue into the elevator halves. Working with one elevator half for now, apply a thin layer of petroleum jelly to only the pivot point of the two hinges.

Without using glue yet, push the elevator half and its hinges into the hinge slots in the trailing edge of the horizontal stabilizer. There should be a minimal hinge gap and the end of the elevator half should not rub against the horizontal stabilizer.

When satisfied with the fit and alignment, hinge the elevator half to the horizontal stabilizer, using thick CA glue. Make sure to apply a thin layer of CA glue to the top and bottom of both hinges. Repeat the previous procedures to hinge the second elevator half to the other side of the horizontal stabilizer.

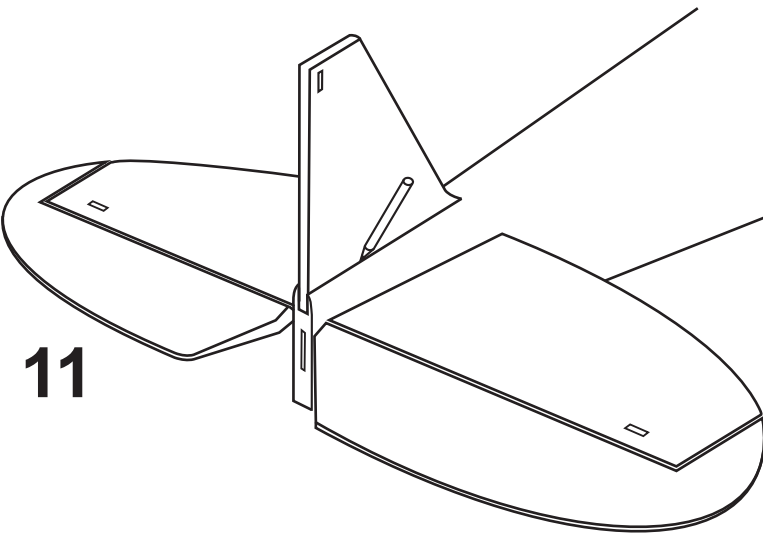


9



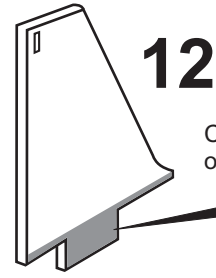
10

NOTE: You may need to open up the slots of the horizontal stabilizer so that the vertical stabilizer is not too difficult to push in.



11

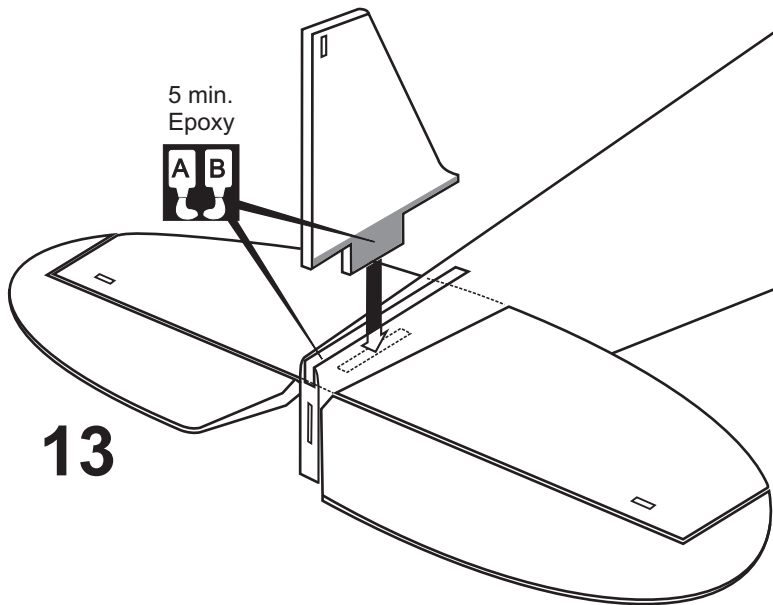
Trial fit the vertical stabilizer in place . Check the alignment of the vertical stabilizer. When you are satisfied with the alignment, use a pencil to trace around the right and left of the stabilizer where it meets the fuselage.



12

Cut away only the covering on the left and right side.

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



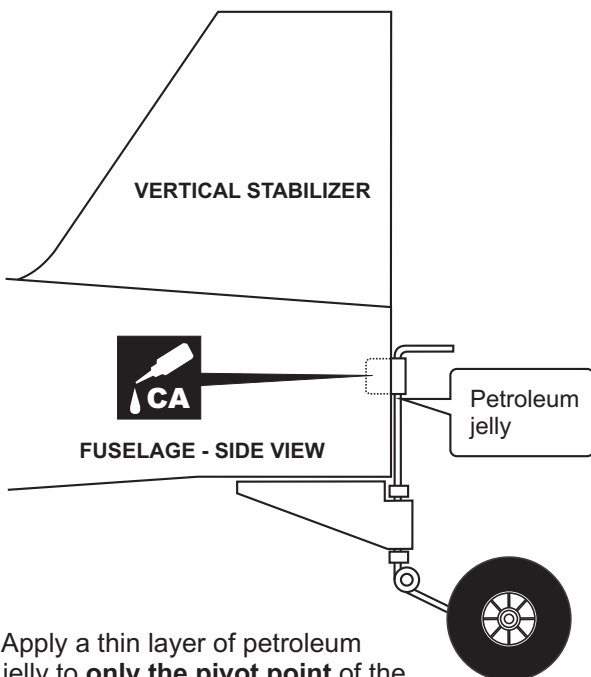
13

5 min.
Epoxy



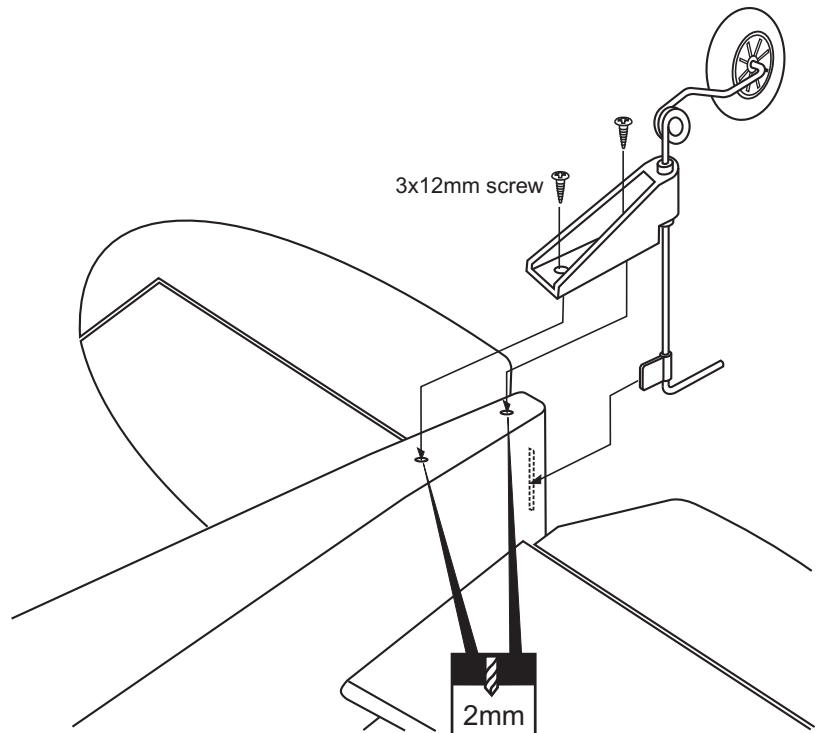
Realign the vertical stabilizer , ensure that the vertical stabilizer is perpendicular to the horizontal stabilizer. Then glue the vertical stabilizer into the fuselage, using a generous amount of 5 min. Epoxy. Apply thin epoxy to each of the two joints and the entire bottom edge of the vertical stabilizer, use a generous amount to ensure to strong bond.

TAIL WHEEL



Apply a thin layer of petroleum jelly to only the pivot point of the torque rod bearing.

Glue the rudder torque rod bearing into the slot you cut previously in the vertical stabilizer, using a thin layer of CA glue.

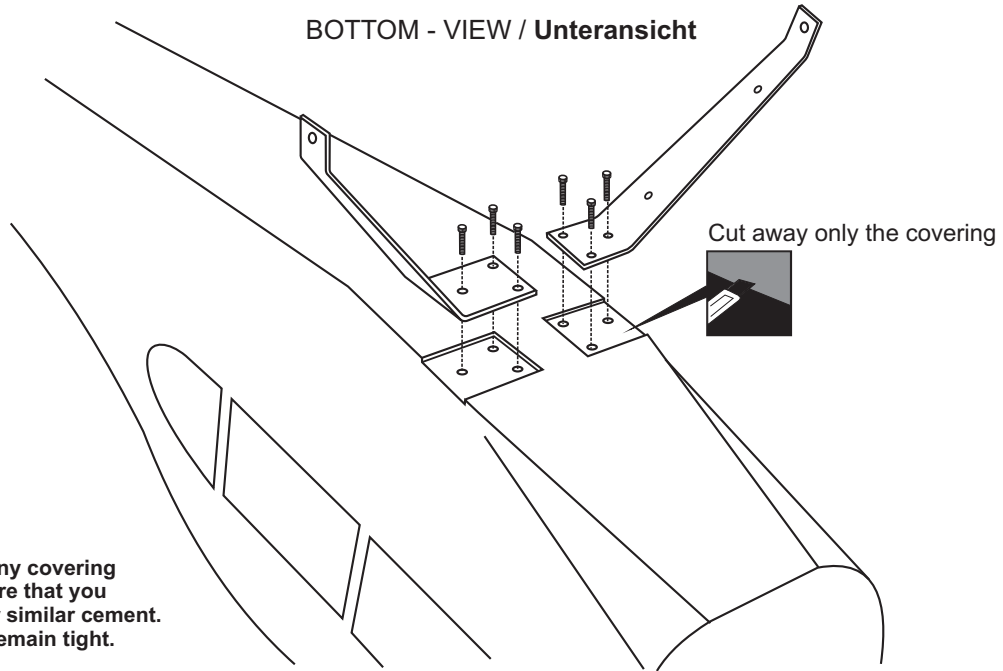
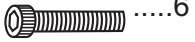


	3x12.....2
2

MAIN LANDING GEAR

BOTTOM - VIEW / Unteransicht

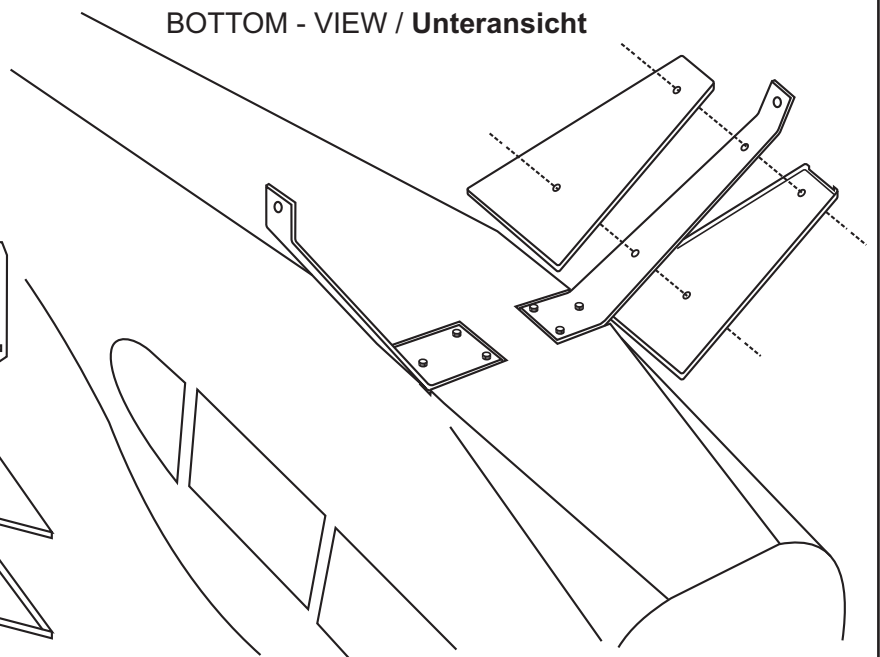
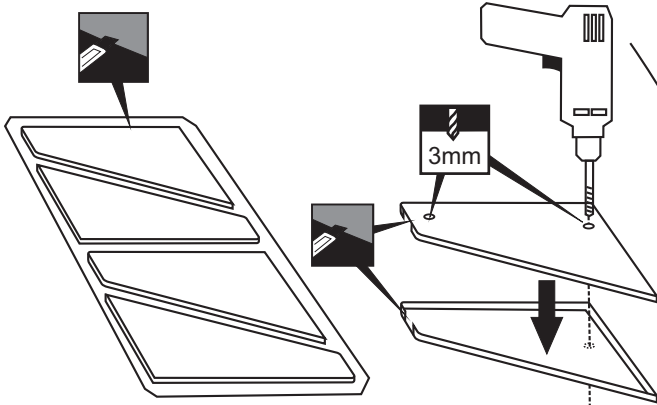
4X20mm screw6



* **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.

MAIN LANDING GEAR

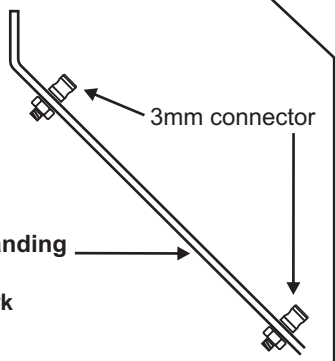
BOTTOM - VIEW / Unteransicht



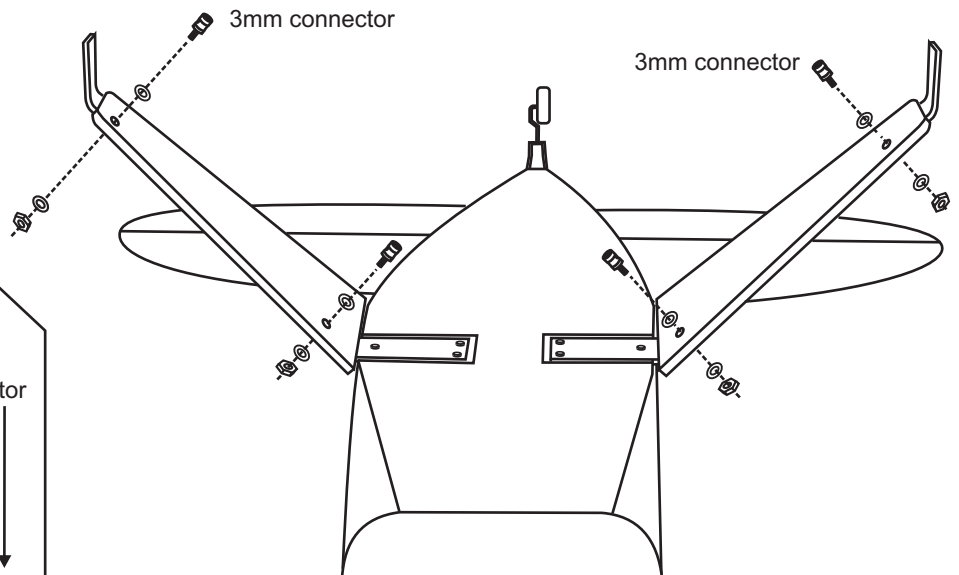
MAIN LANDING GEAR

Connector

.....4



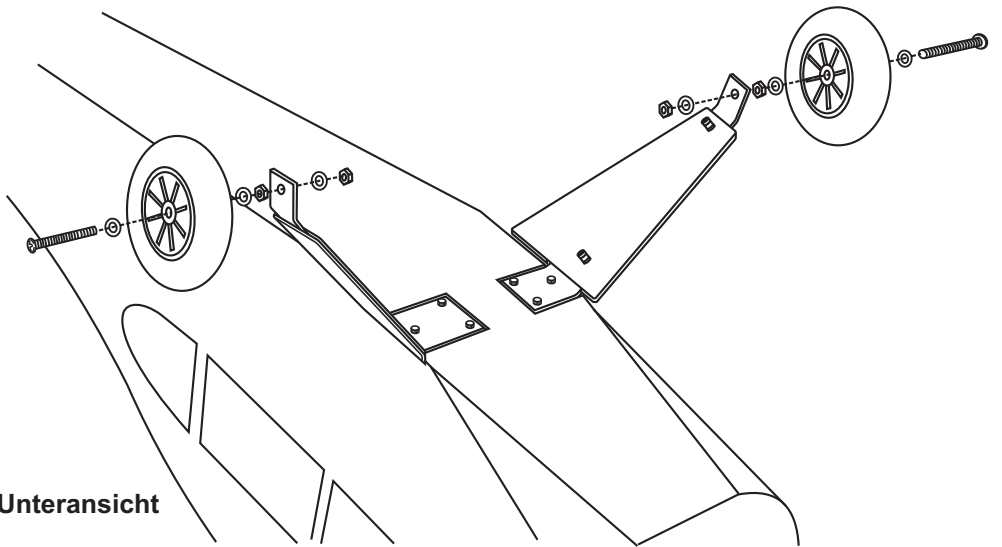
Aluminum landing gear
Hauptfahrwerk



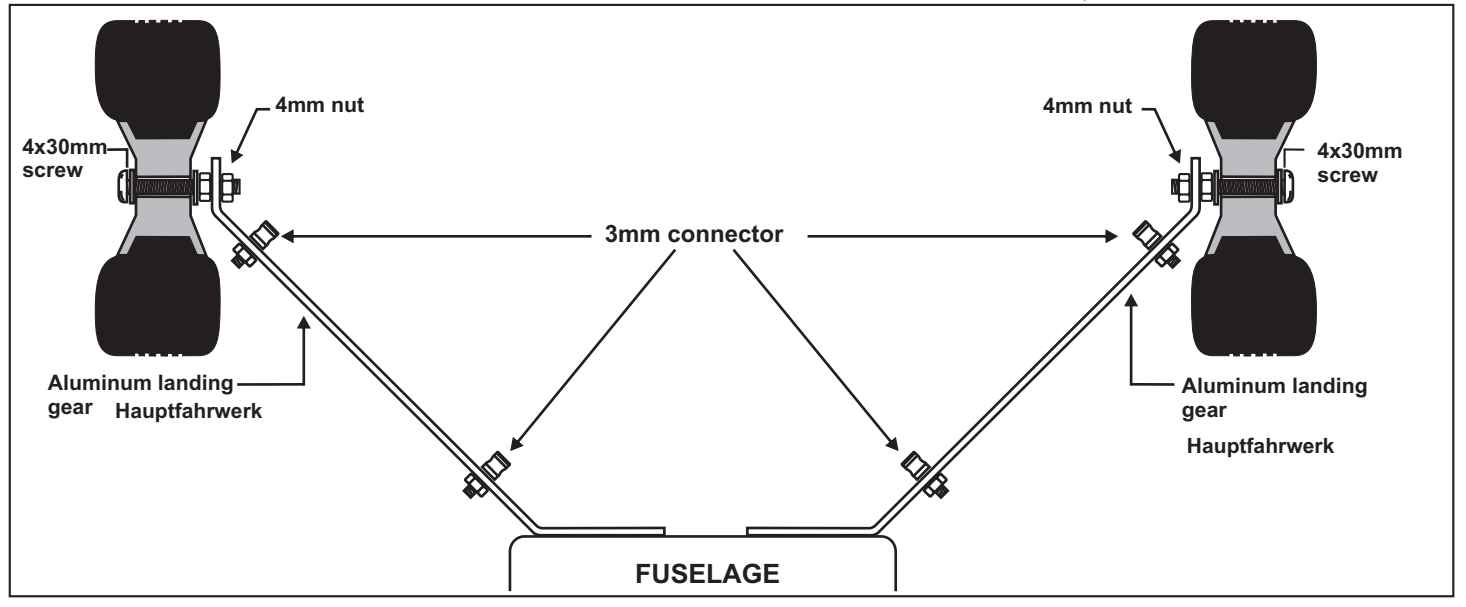
BOTTOM - VIEW / Unteransicht

MAIN LANDING GEAR

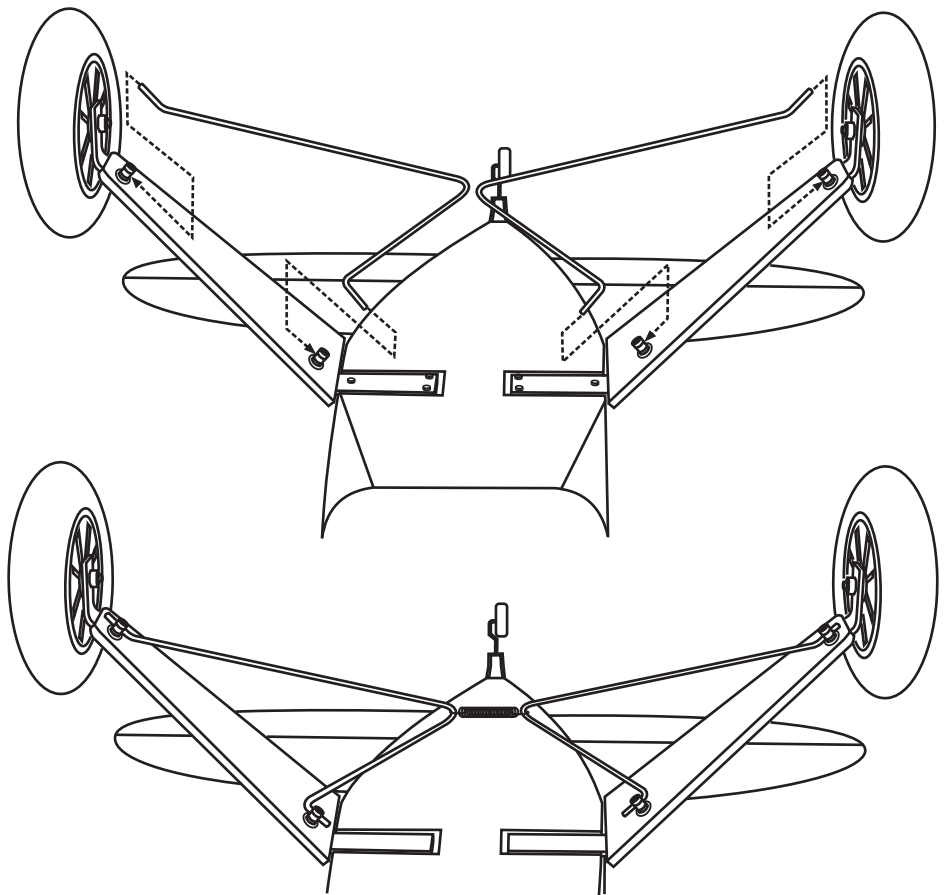
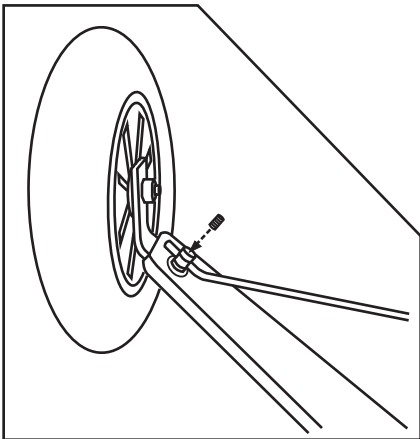
- 4X40mm screw2
- 4mm nut-washer



BOTTOM - VIEW / Unteransicht



MAIN LANDING GEAR



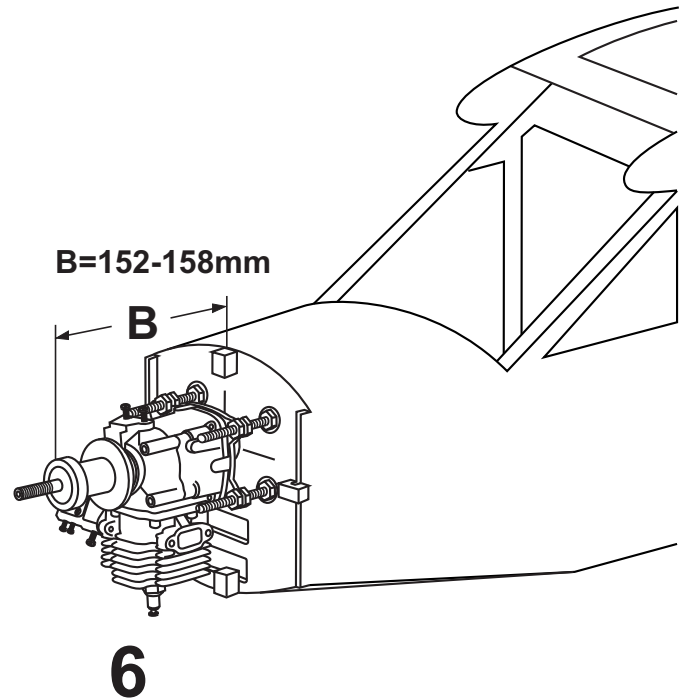
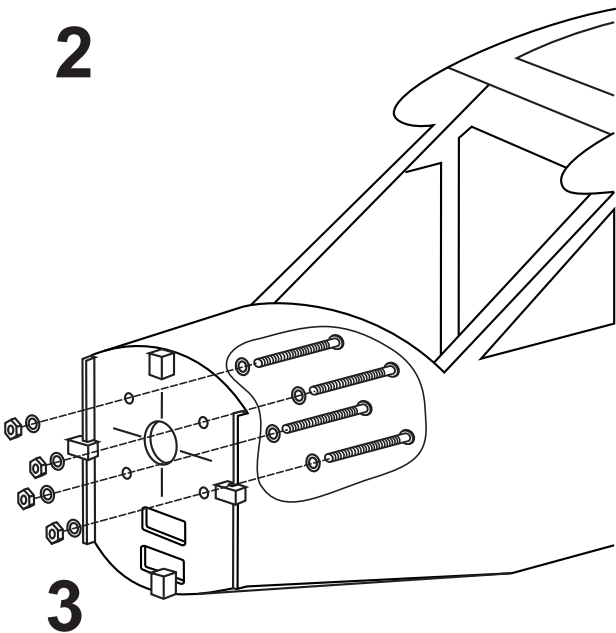
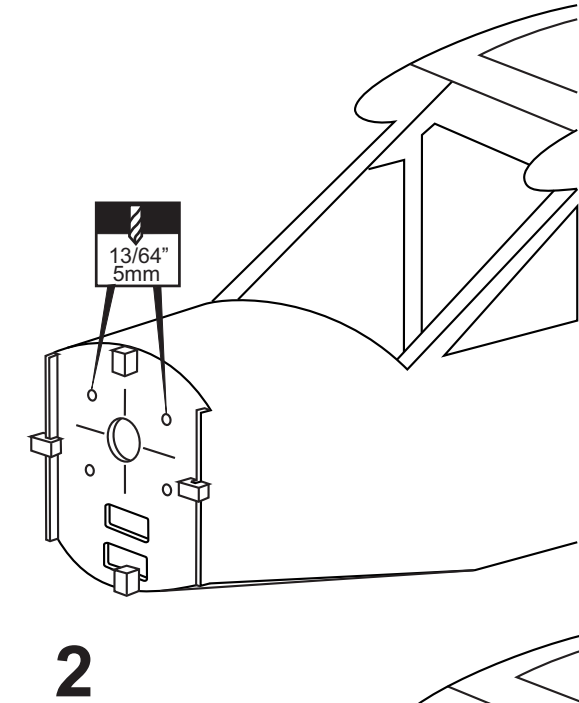
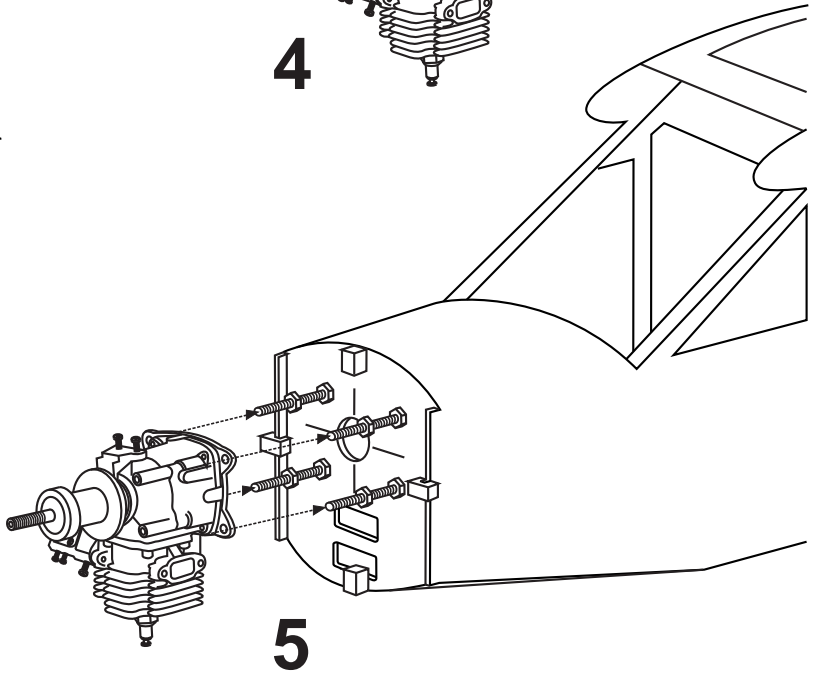
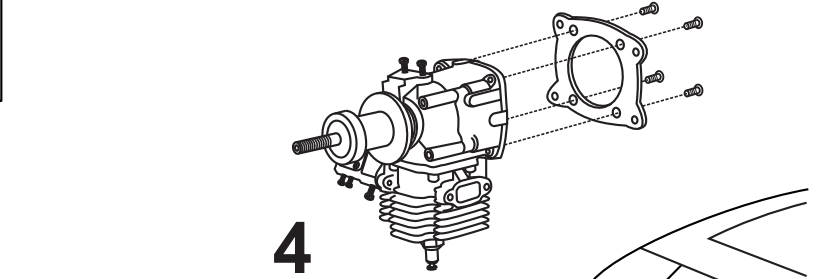
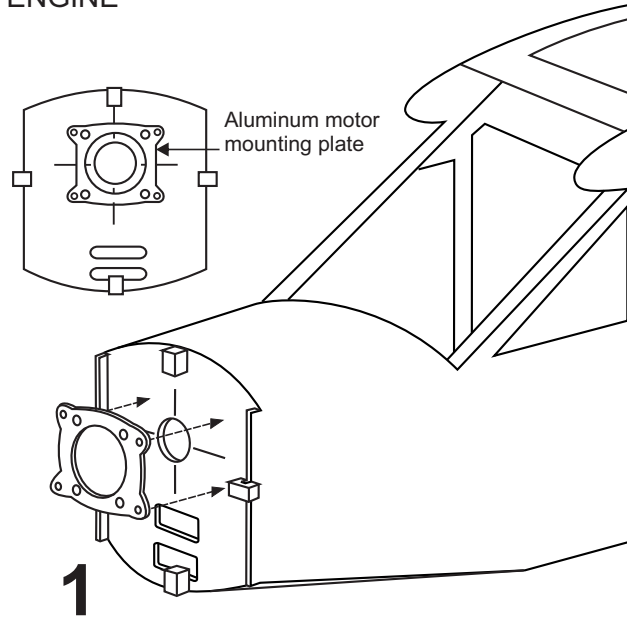
- ...1




ENGINE

Using an aluminum motor mounting plate as a template, mark the fire-wall where the four holes are to be drilled (1).

Remove the aluminum motor mounting plate and drill a 5mm hole through the plywood at each of the four marks marked (2).

Note: The aluminum motor mounting and screws included with the engine.



5X60mm screw	
4
5mm washer	
16
5mm nut	
12

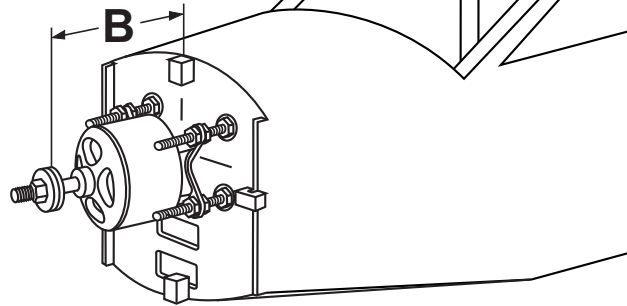
ELECTRIC MOTOR

Using an aluminum motor mounting plate as a template, mark the fire-wall where the four holes are to be drilled (1).

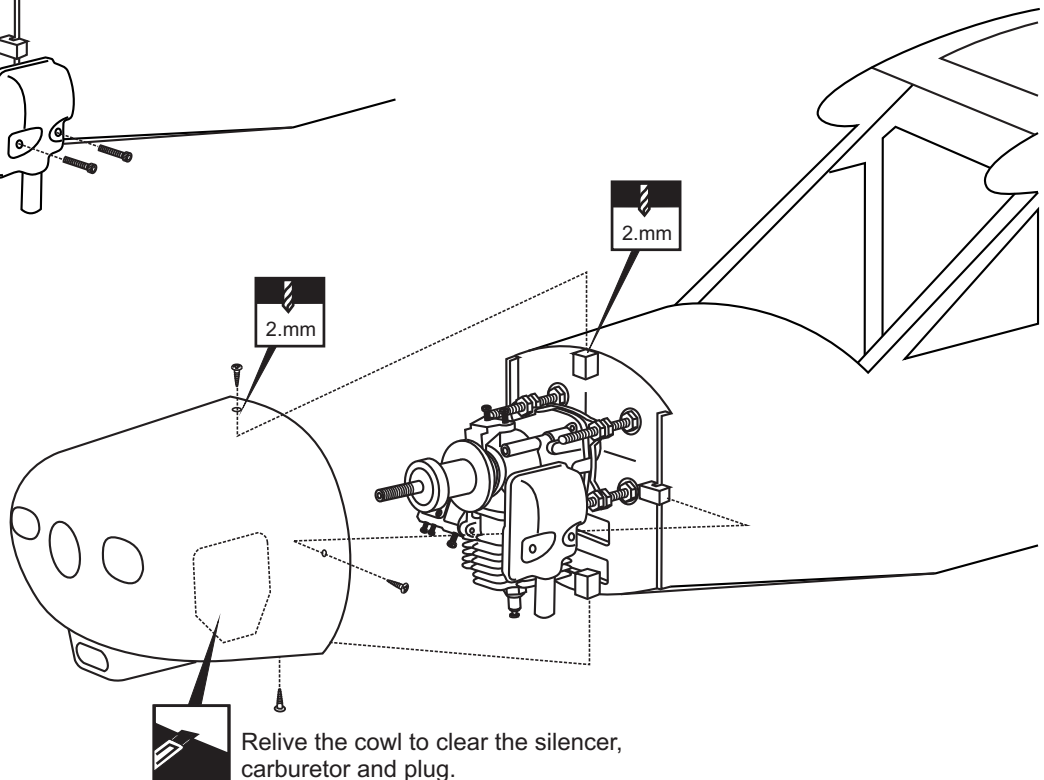
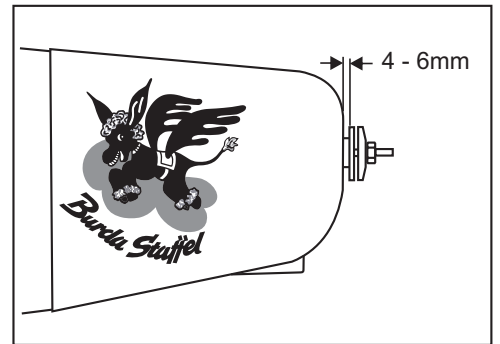
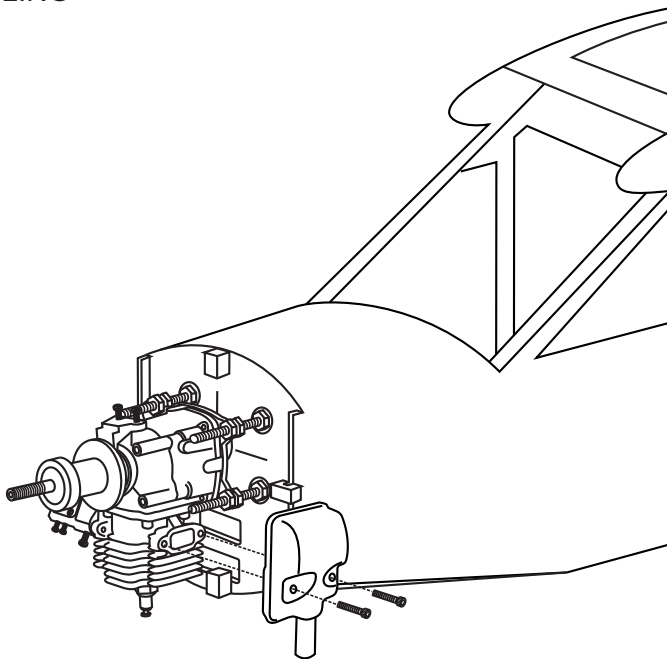
Remove the aluminum motor mounting plate and drill a 5mm hole through the plywood at each of the four marks marked (2).


Note: The aluminum motor mounting and screws included with the motor.

B=152-158mm

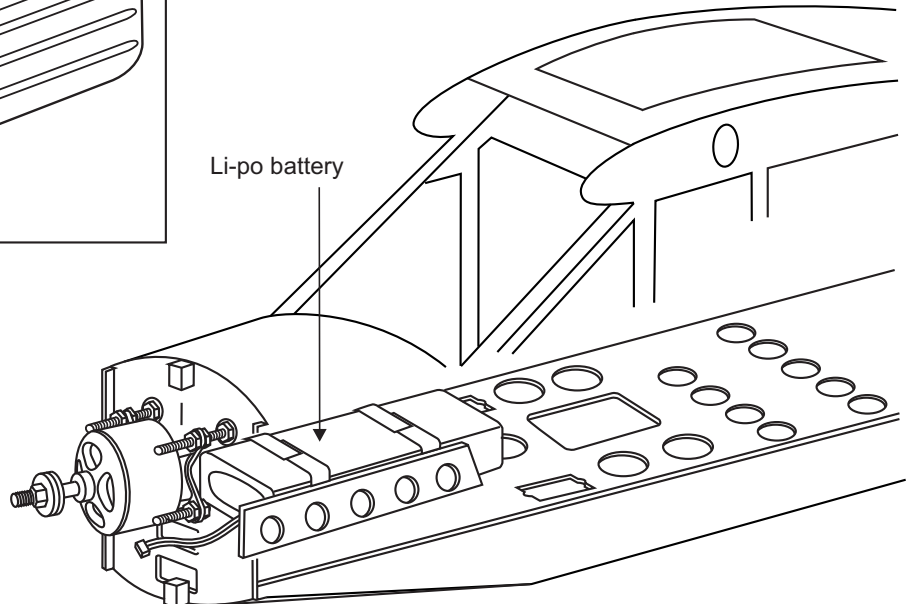
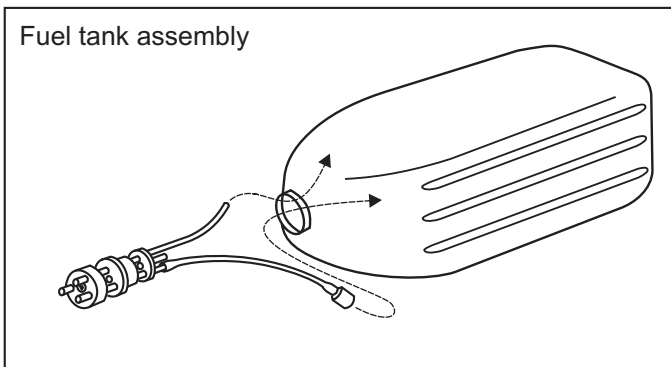
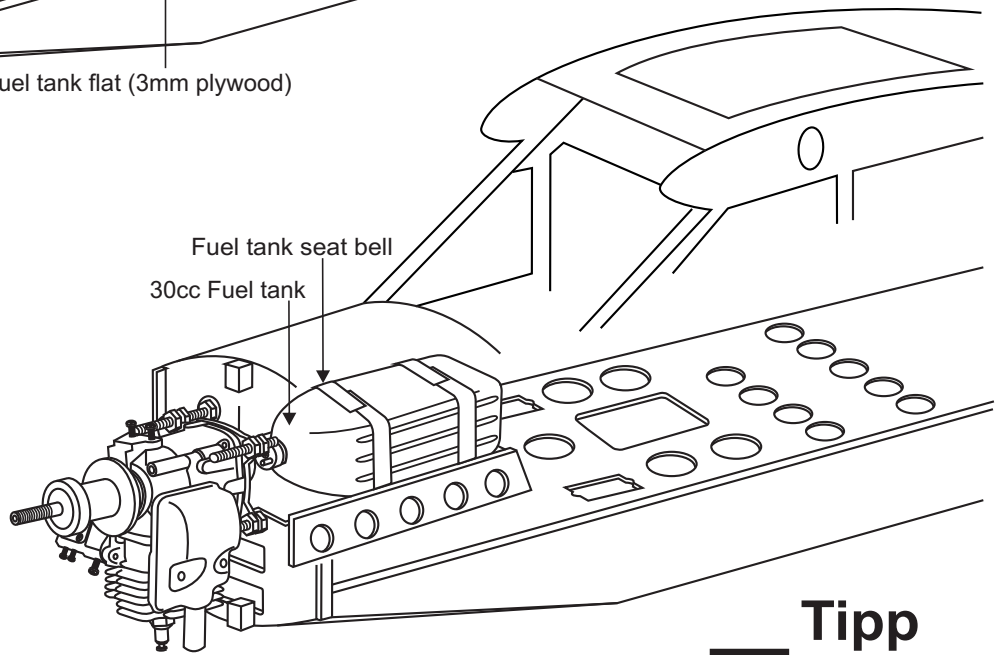
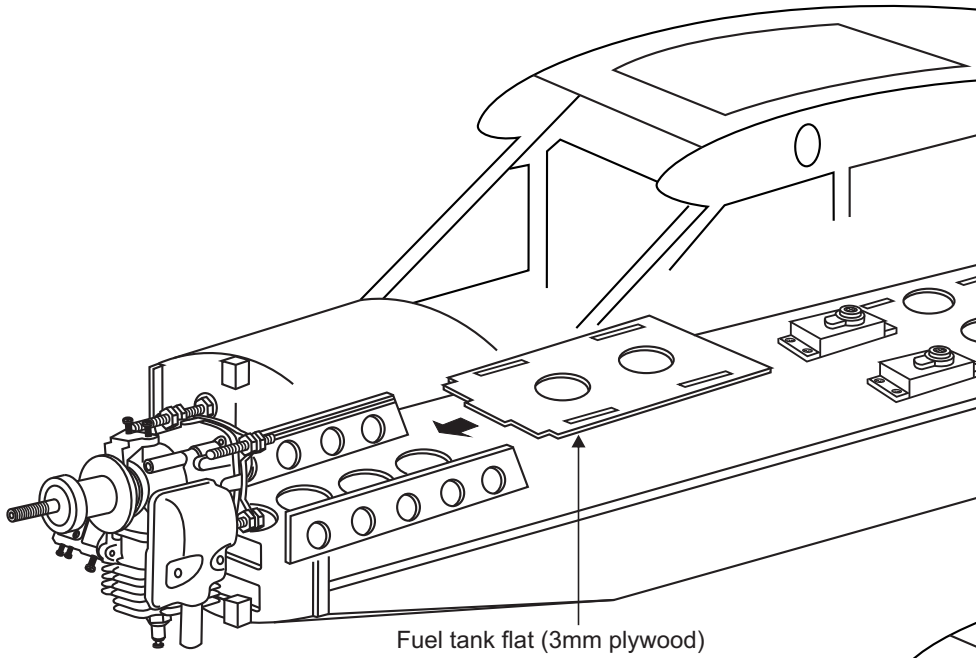


COWLING



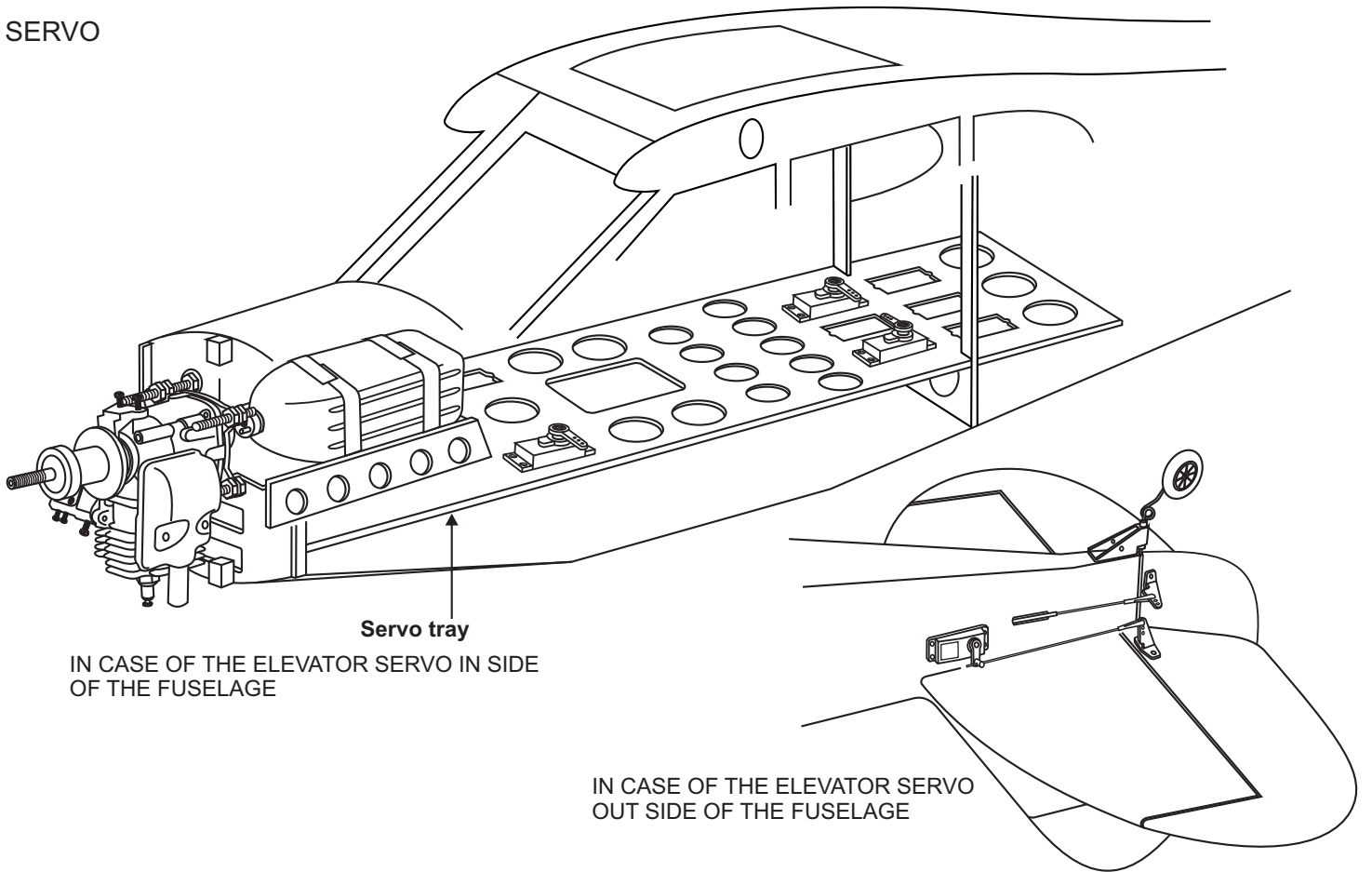
23x8mm screw
4

FUEL TANK & LIPO. BATTERY

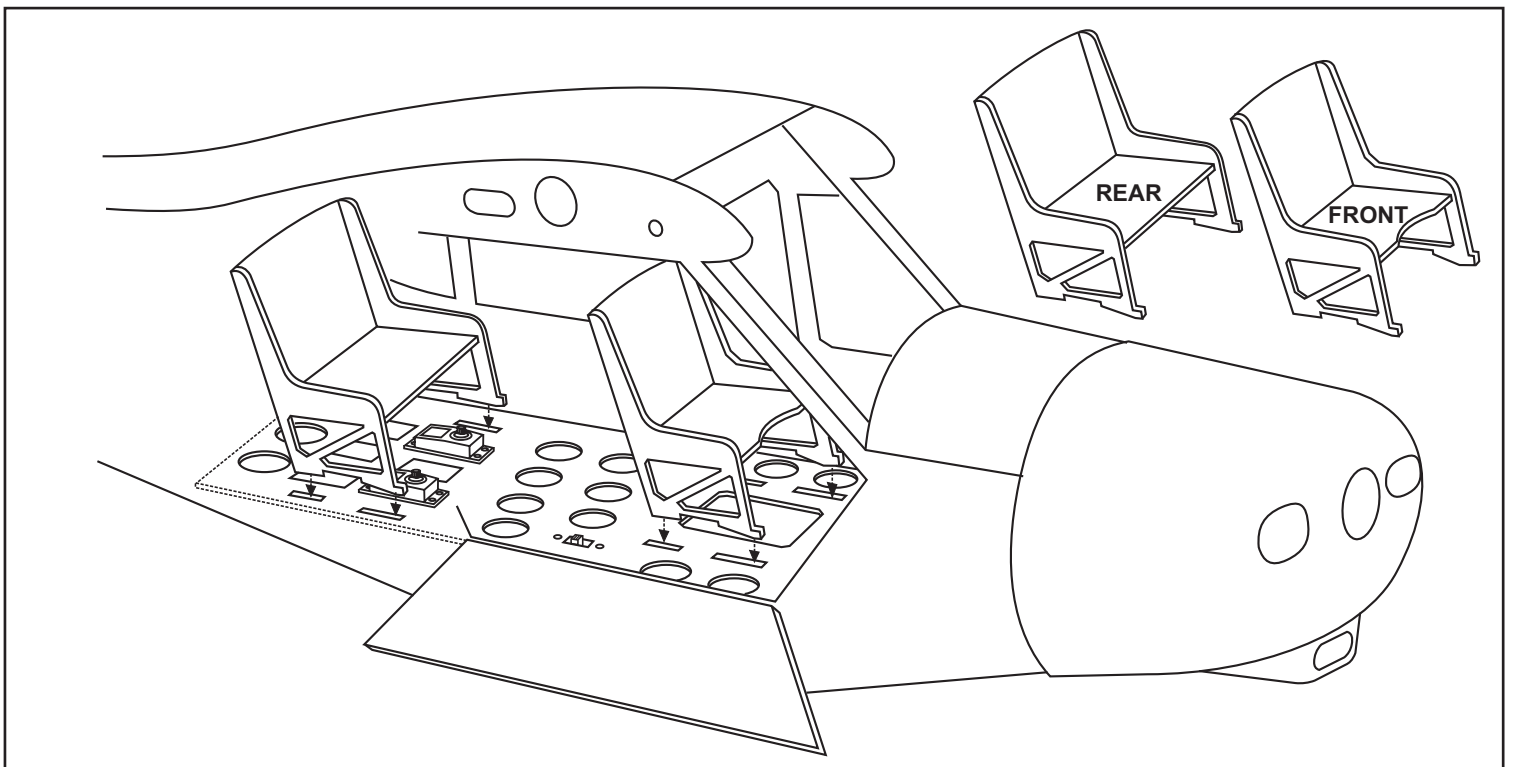
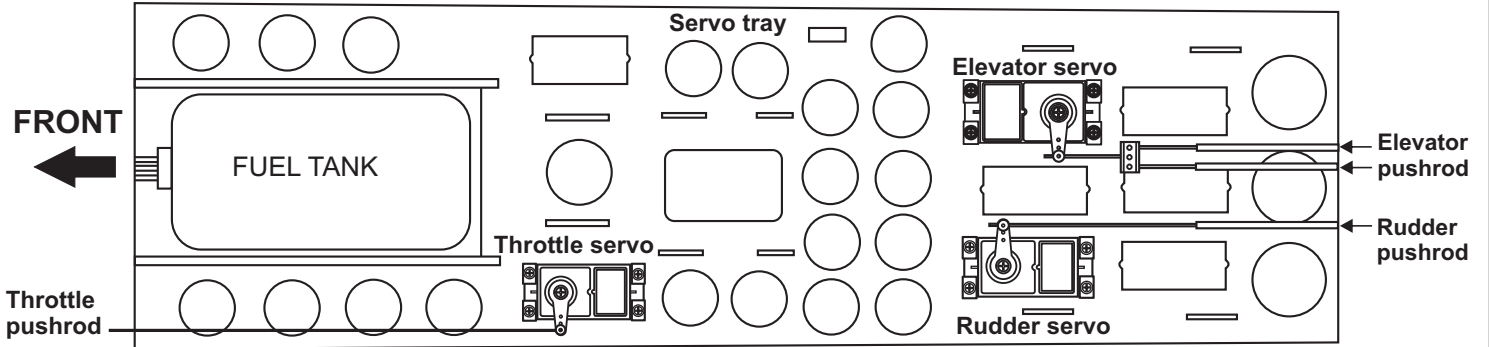


Tipp
X Fuel tank seat bell
Akku Klettband
aus dem **PICHLER**
Sortiment
Best.Nr. C4739

SERVO

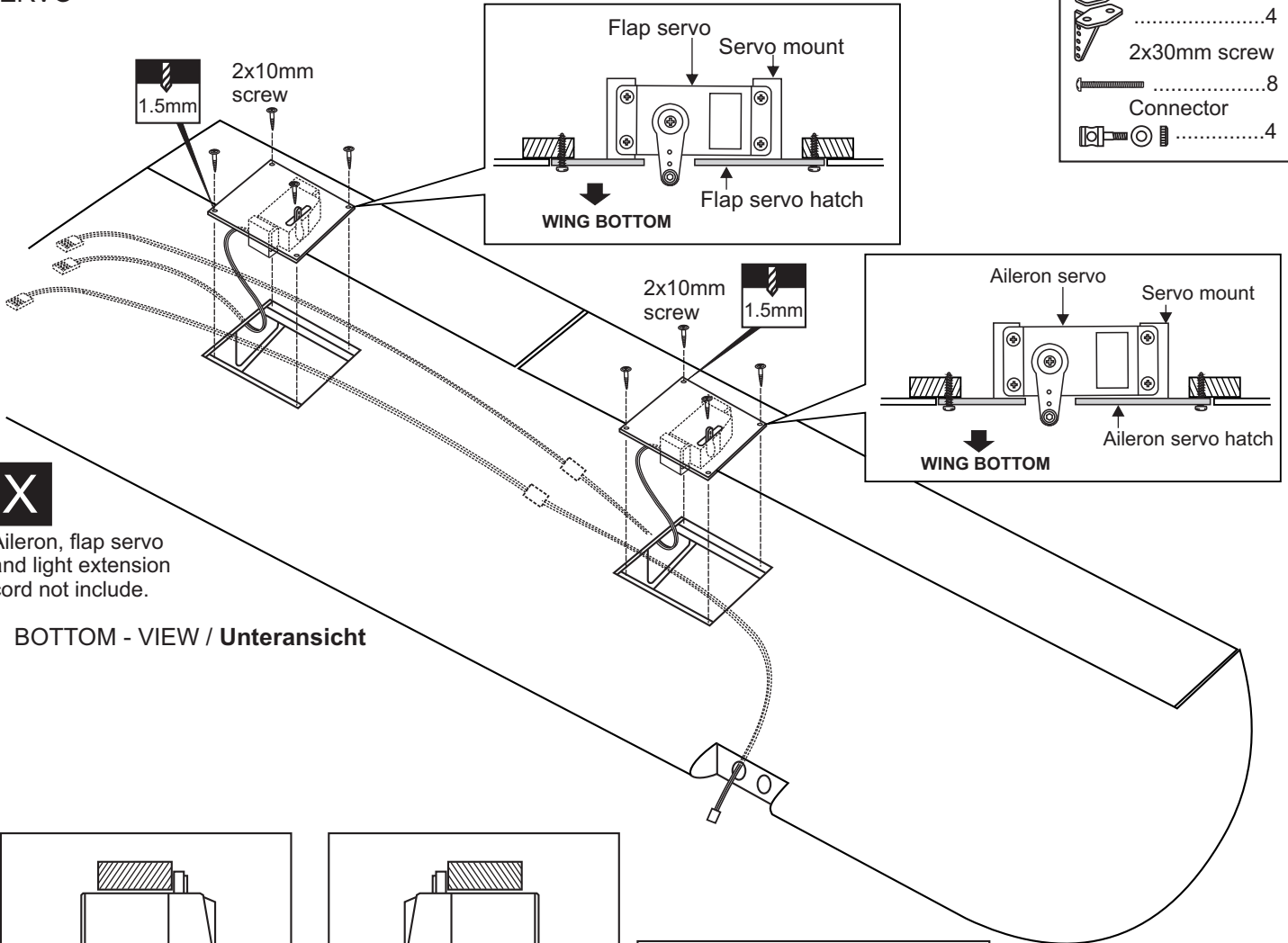


SERVO TRAY - TOP VIEW



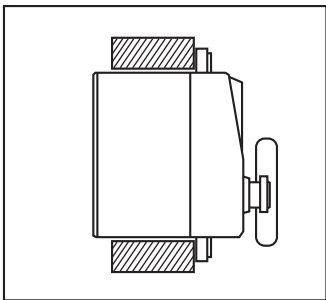
SERVO

	Control horn4
	2x30mm screw8
	Connector4

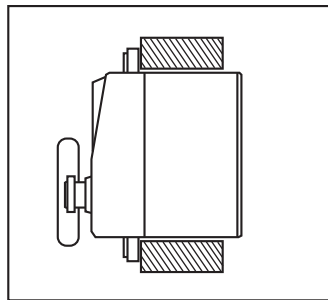


X
Aileron, flap servo and light extension cord not include.

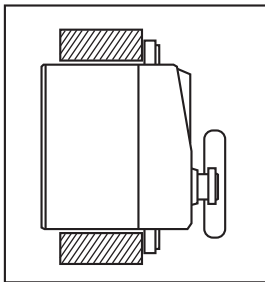
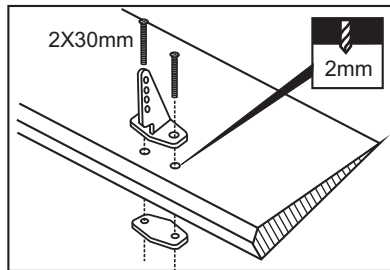
BOTTOM - VIEW / Unteransicht



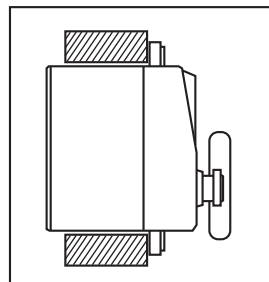
Aileron servo and hatch
RIGHT



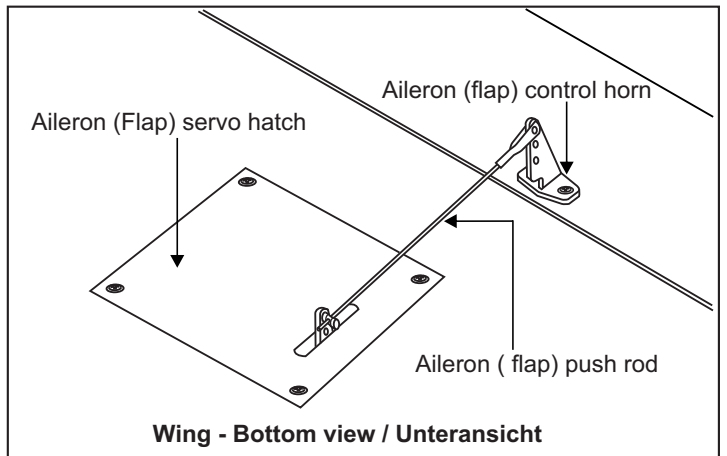
Aileron servo and hatch
LEFT



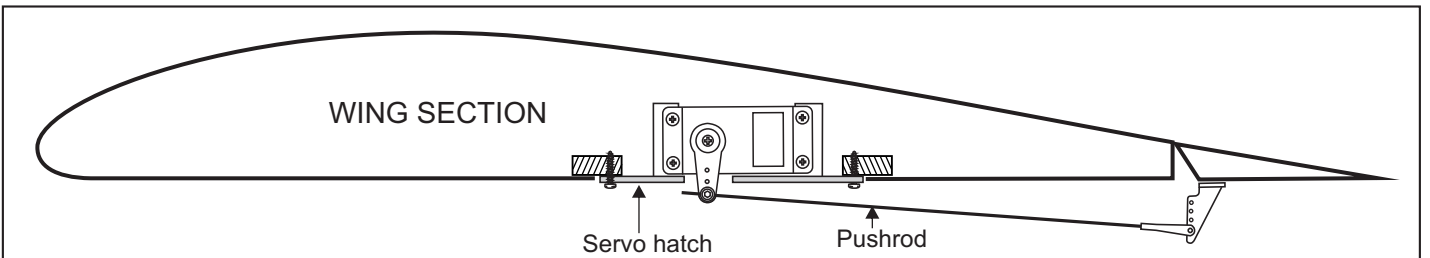
Flap servo and hatch
RIGHT



Flap servo and hatch
LEFT



Wing - Bottom view / Unteransicht



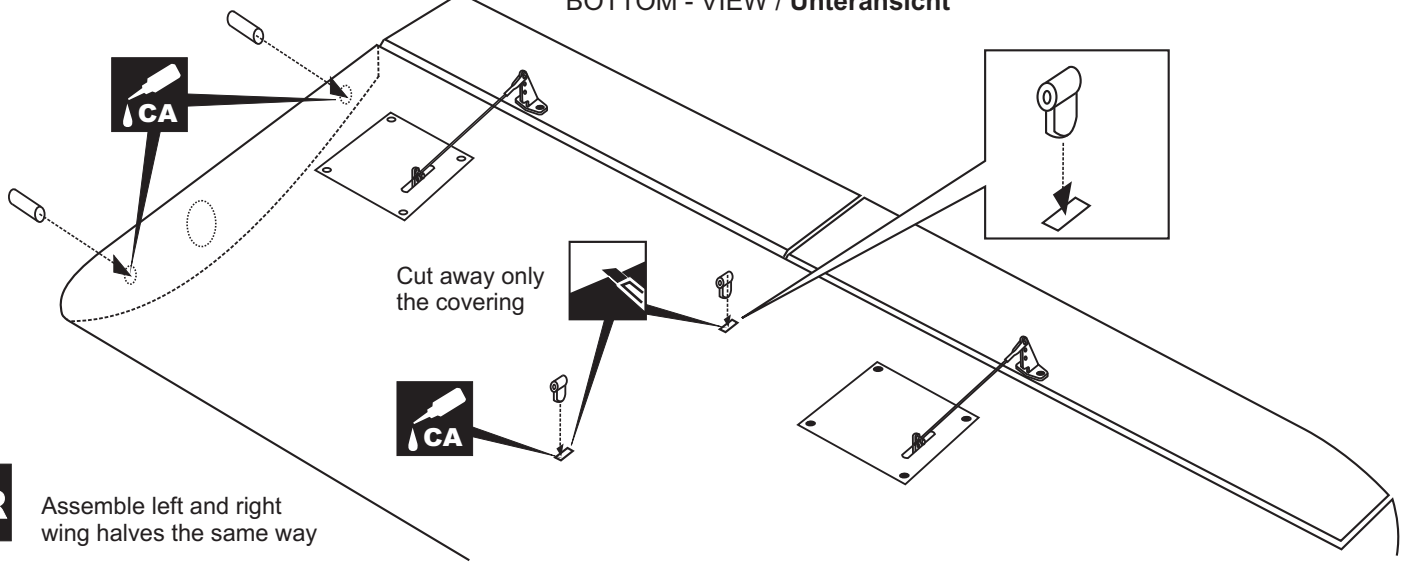
WING SECTION

Servo hatch

Pushrod

WING

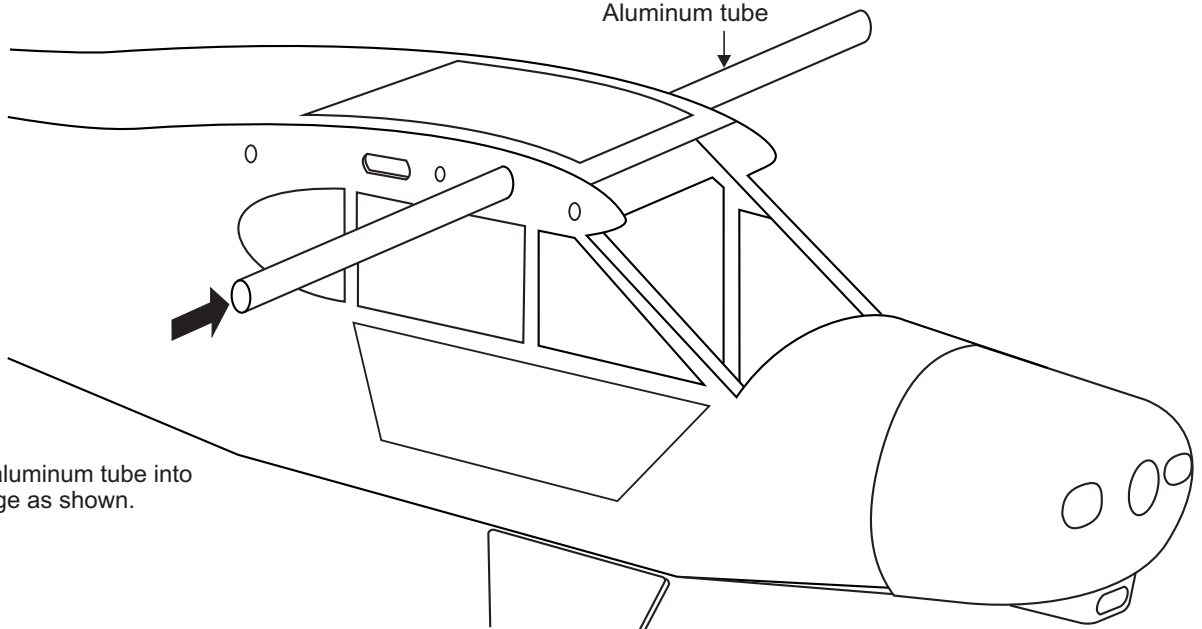
BOTTOM - VIEW / Unteransicht



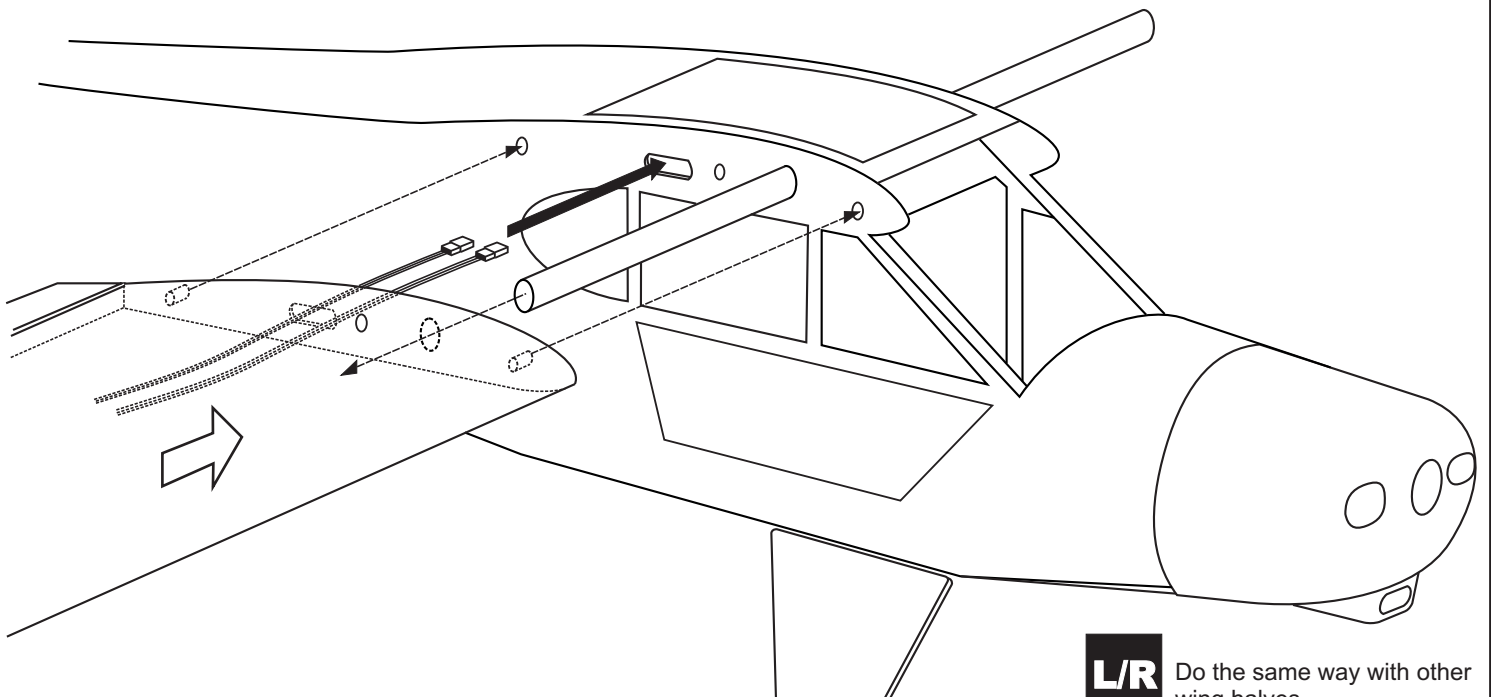
Assemble left and right wing halves the same way

WING

Aluminum tube



Slide the aluminum tube into the fuselage as shown.



Do the same way with other wing halves.

WING


Secure the wing halves in place using 5x20mm screw.

L/R Do the same way with other wing halves.

5x20mm

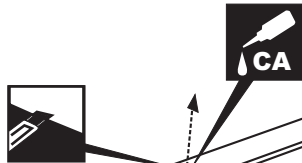
2

5mm washer

2

WING

Cut away only the covering



CA

FRONT




LEFT BRACE (TOP VIEW)

FRONT



RIGHT BRACE (TOP VIEW)

BOTTOM - VIEW / Unteransicht


4

WING

3x12mm

.....4

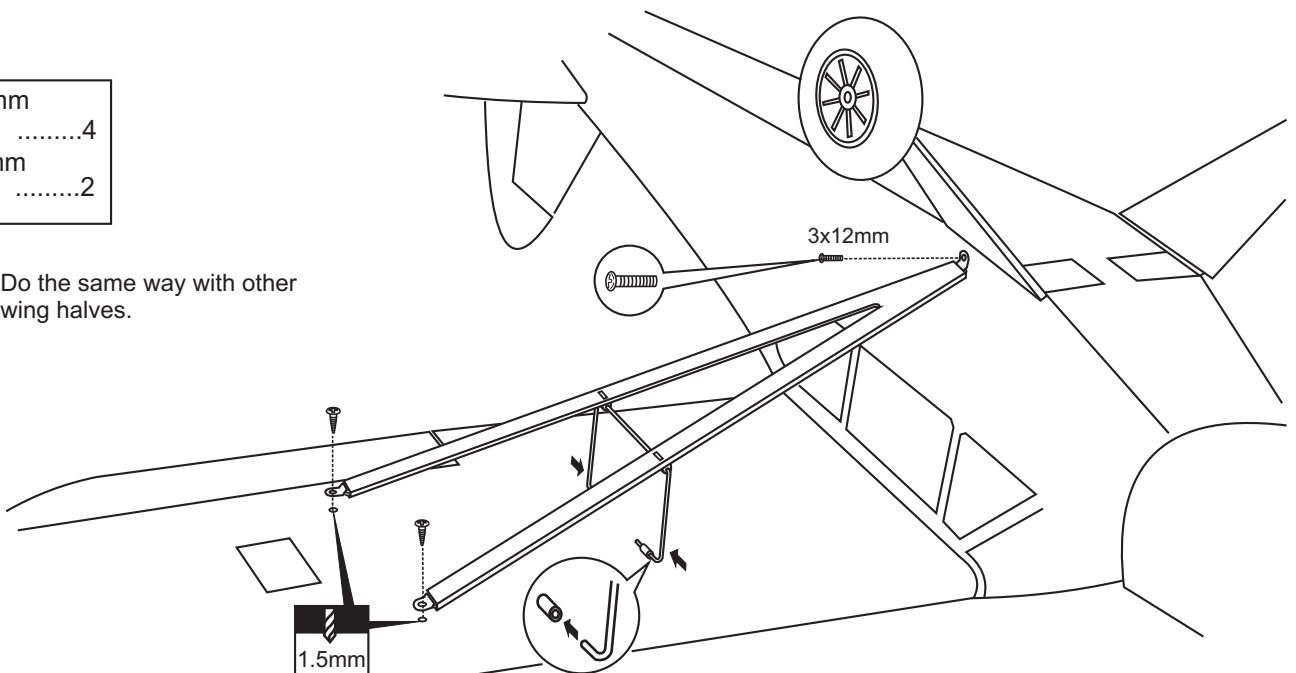
3x12mm

2

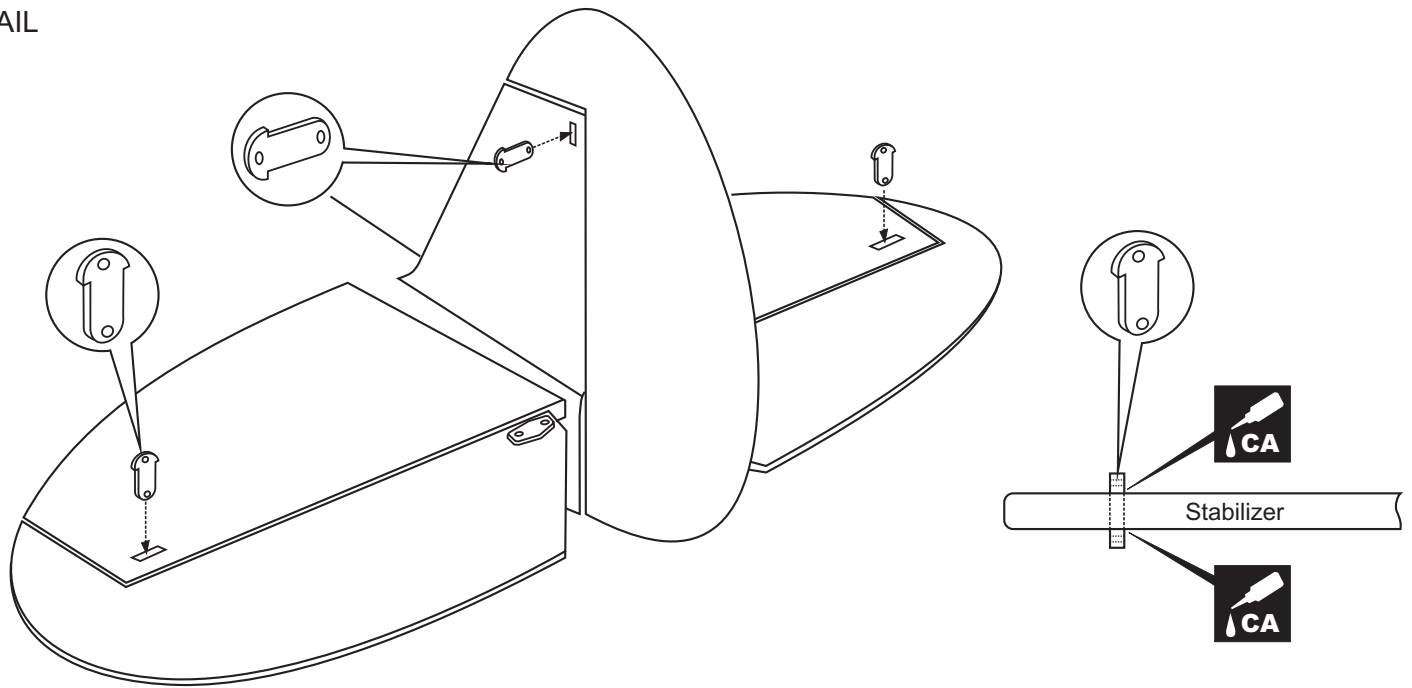
L/R Do the same way with other wing halves.

3x12mm

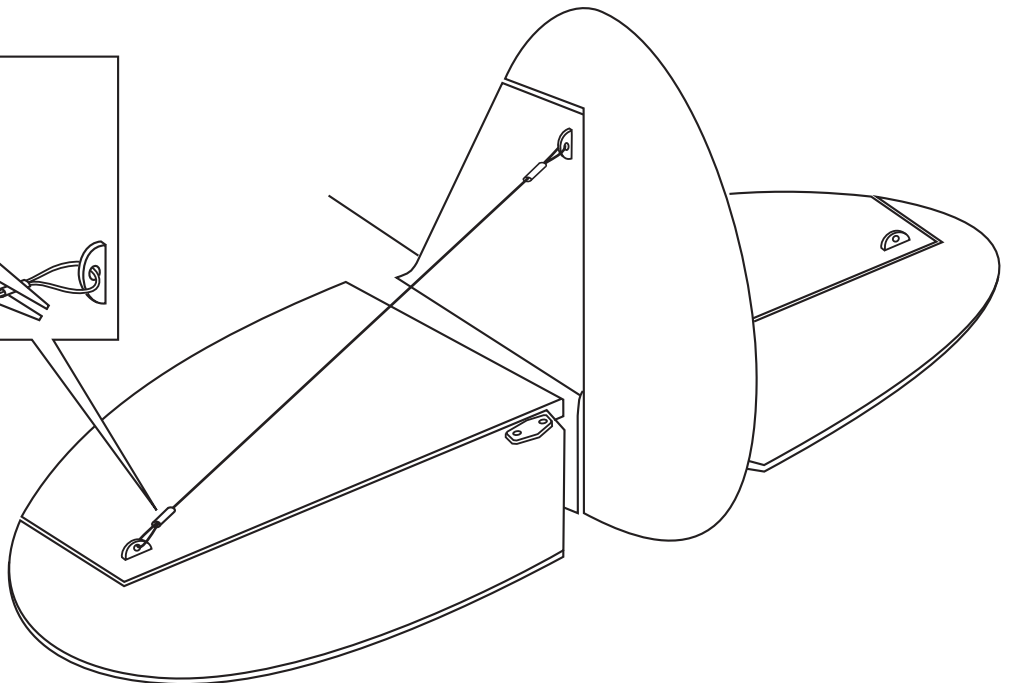
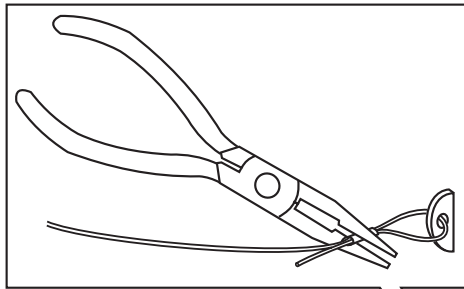
1.5mm



TAIL




TAIL



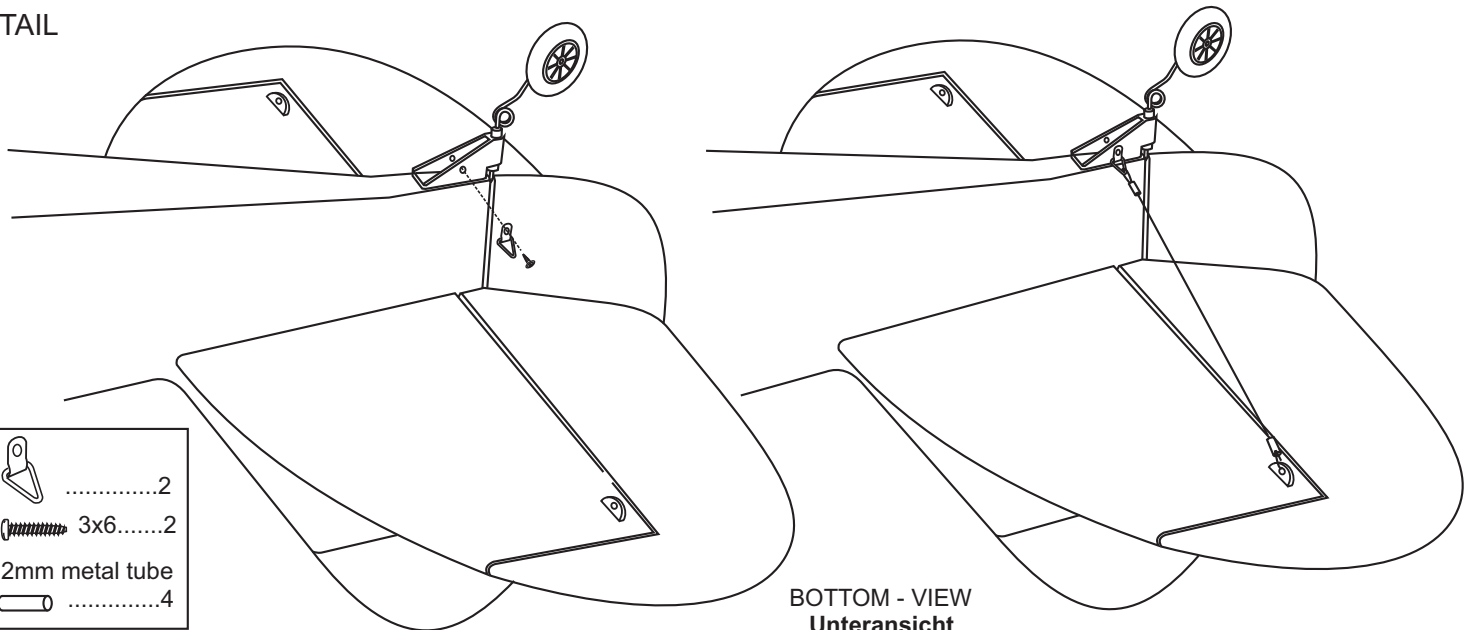
0.7mm dia. Cable

 ...1 roll


2mm metal tube

4


TAIL




2

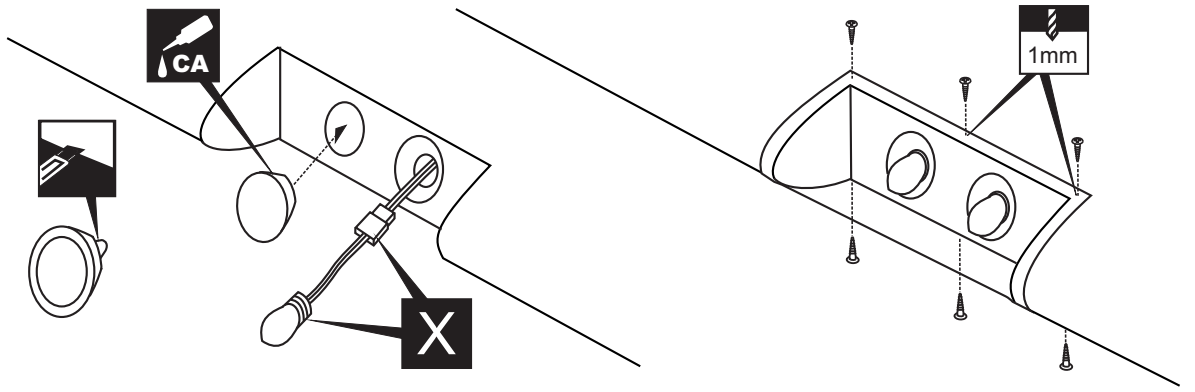
 3x6.....2

2mm metal tube

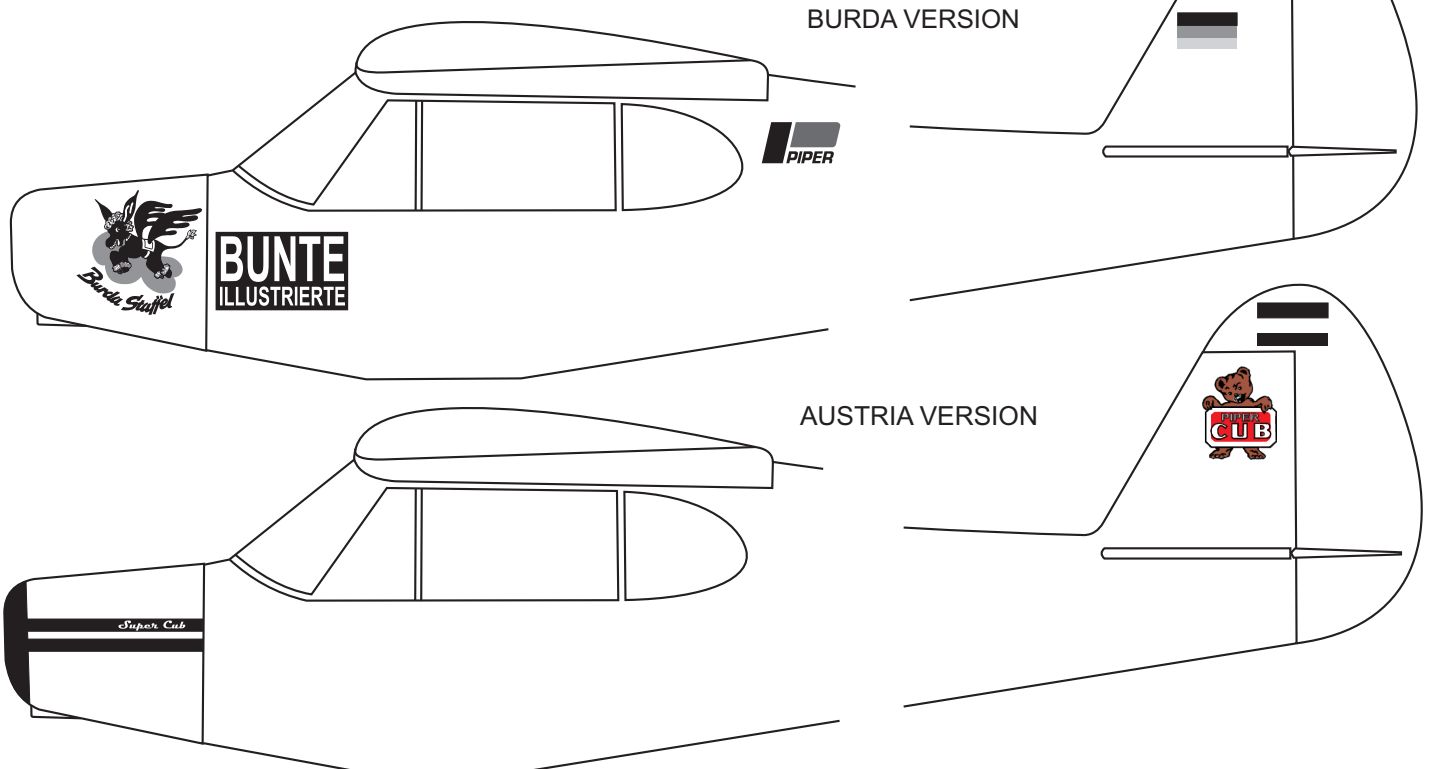
4

LIGH

2x6mm
6

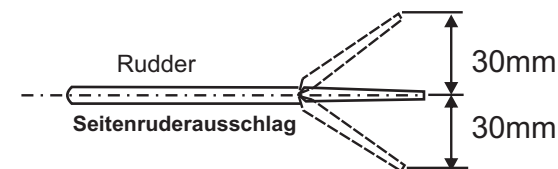


DECOR

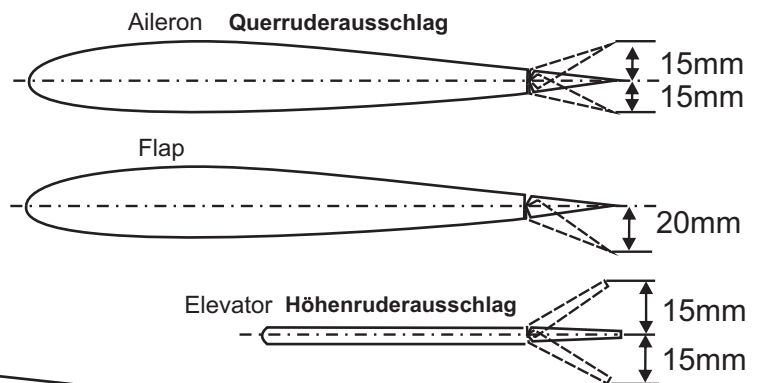


Note: Cut out the stickers and apply them in the proper area. Do not peel the backing paper off all at once. Peel off one corner of the backing and cut off with scissors. Arrange sticker on model and when satisfied adhere the corner without backing. Carefully peel back the rest of the backing while at 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 creases occur. Cut off the excess that is produced.

BALANCE



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.

All details are subject to change without notice !

Technische Änderungen und Irrtümer vorbehalten !