Radio control model
R/C Flugmodell

INSTRUCTION MANUAL
MONTAGEANLEITUNG

PIPER PA-18
SUPER CUB

Designed for brushless electric motors (.46-.52 class glow conversion optional)
Entwickelt für Brushless Elektro Motoren (7,5 -8,5cc Glühzündermotor Einbau möglich)

Floats available as an option! (No. C4682)
Schwimmer als Sonderzubehör erhältlich! (Best.Nr.C4682)

TECHNISCHE DATEN

Spannweite	1620mm
Länge	1250mm
Elektroantrieb	(siehe nächste Seite)
Verbrennerantrieb	7.5cc 2-T / 8.5cc 4-T
Fernsteuerung	5 Kanal / 4 -5 Servos

SPECIFICATIONS

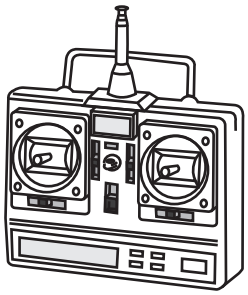
Wingspan	**63.7in.**
Length	**49.2 in.**
Electric Motor	**(See next page)**
Glow Engine	**.46 2Stroke / .52 4-Stroke**
Radio	**5 Channel / 4 -5 Servos**

RADIO CONTROL MODEL®

WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll 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.

RECOMMENDED ACCESSORIES (Purchase separately)
Empfohlenes Zubehör (Nicht im Lieferumfang enthalten)

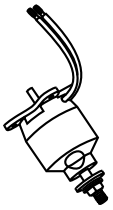


5 - channel radio
5 - Kanal
Fernsteuerung

Antrieb Standard:
BOOST 40 Brushless Combo Set, Best.Nr. C2983
LiPo Battery RED POWER 3200-3S, Best.Nr. C3164
Luftschraube 12*6, Best.Nr. C1937

Antrieb Tuning (Kraftvoller Kunstflug):
BOOST 60 Brushless Combo Set, Best.Nr. C3174
LiPO Akku RED POWER 4250-5S, Best.Nr. C4547
Luftschraube 13*8, Best.Nr. C2846

Egänzungskit Verbrenner
(Tank + Motorträger)
Best.Nr. C4165

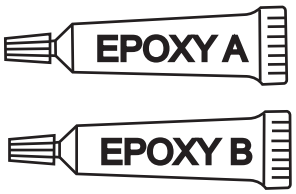


1 x Servo S4020
(für Seitenruder)
Best.Nr. C1687

3 x Servo S4020
(für Höhen- und Querruder)
Best.Nr. C4995

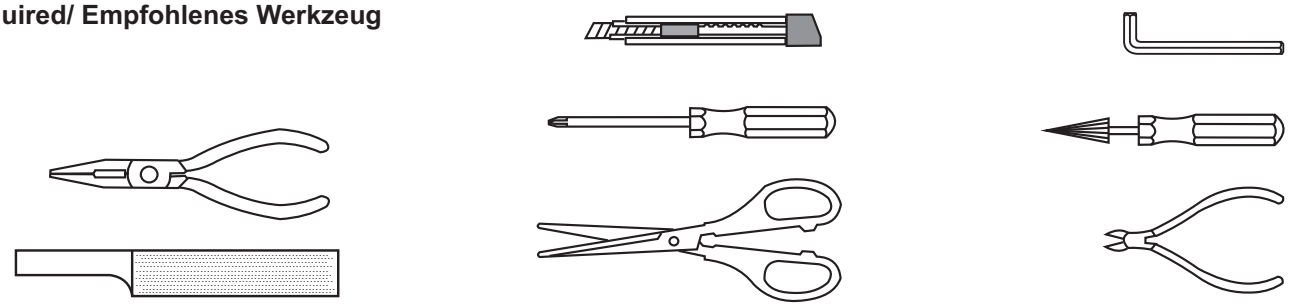
Cyanoacrylate Glue
Sekundenkleber

Silicon Glue
Silikonkleber



Epoxy Glue (30 minutes type)
Epoxy-Klebstoff (30min)

Tool Required/ Empfohlenes Werkzeug



The pre-covered film on ARF kit may wrinkle due to variations of temperature.
Store model in a cool and dry place for awile.
Then, staring with low heat, you may carefully use a hair dryer to smooth out wrinkels.

Die Bespannung des Modells kann durch Temeratureinflüsse erschlaffen oder Falten werfen z.b bei zu starker Sonnenenstrahlung oder Hitze.
Stellen Sie das Modell zunächst an einen kühlen Platz für eine bestimmte Zeit. Danach können Sie versuchen die restlichen Falten vorstichtig mit einem Haartrockner zu behandeln.

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 zusammengebaut

Nicht enthalten. Teile müssen separat gekauft werden.

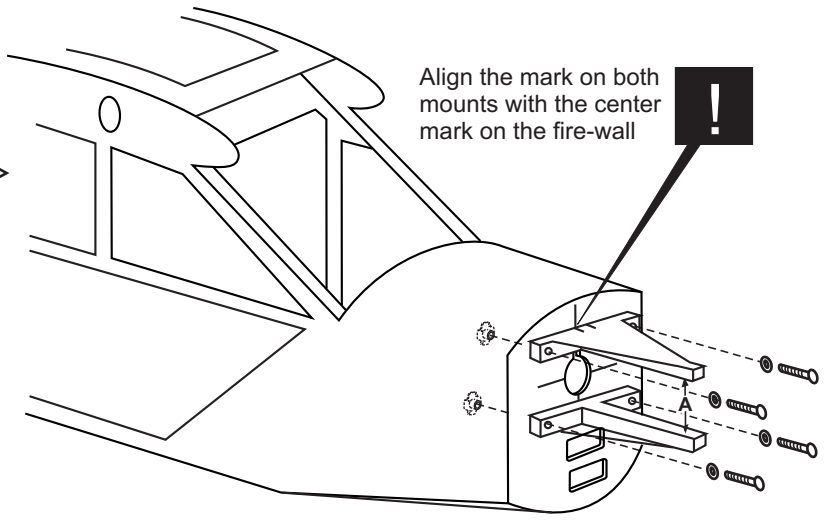
CONVERSION TABLE

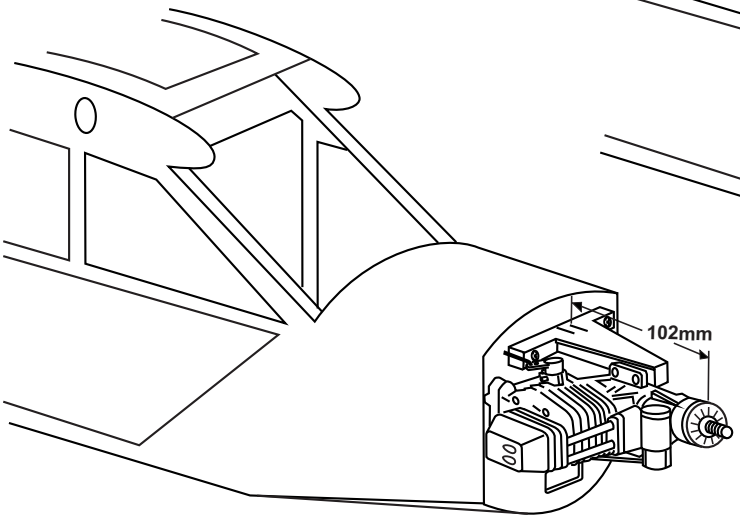
1.0mm = 3/64”	3.0mm = 1/8”	10mm = 13/32”	25mm = 1”
1.5mm = 1/16”	4.0mm = 5/32”	12mm = 15/32”	30mm = 1-3/16”
2.0mm = 5/64”	5.0mm = 13/64”	15mm = 19/32”	45mm = 1-51/64”
2.5mm = 3/32”	6.0mm = 15/64”	20mm = 51/64”	

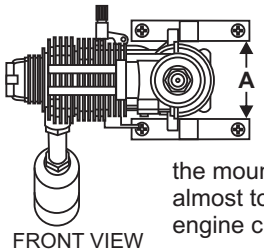
1

A Securely attach the engine mount to the fire-wall using the four 4x25mm screws.

Note the side thrust for motor!
Sturz und Zug beachten!



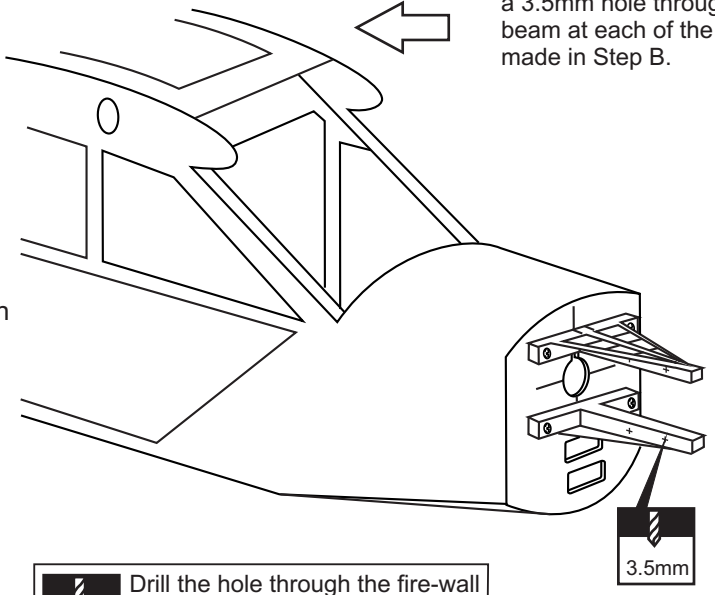




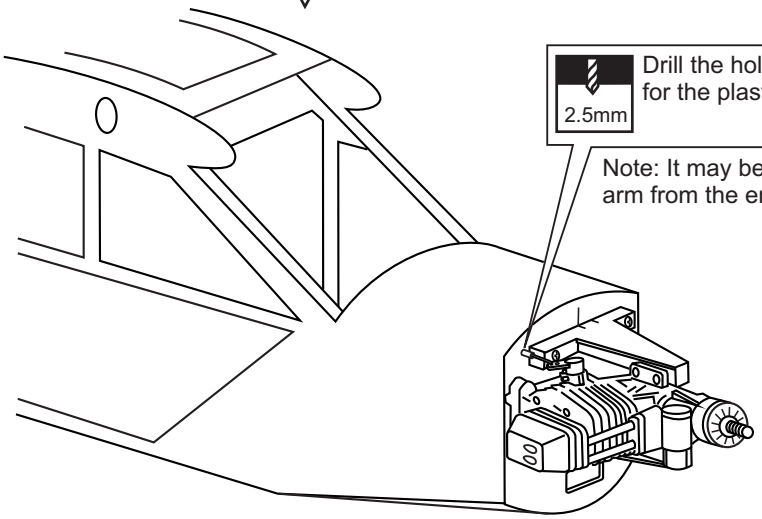
Set the engine on the engine mounting beams. Adjust the spacing of the beams so they are centered in relation to the mounting plate and so they are almost touching both sides of the engine crankcase.

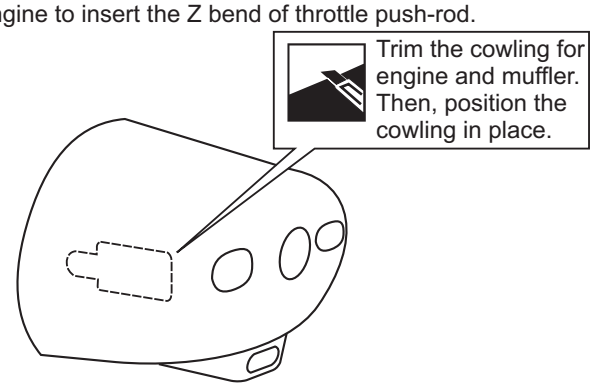
B Position the engine on the engine mount beams so the distance from the prop hubto the fire-wall is 102mm/(4”). Using a pencil, mark th engine mounting plate where the four holes are to be drilled. Note: Mark the mounting plate through the engine mounting flanges.

C Remove the engine and drill a 3.5mm hole through the beam at each of the four marks made in Step B.

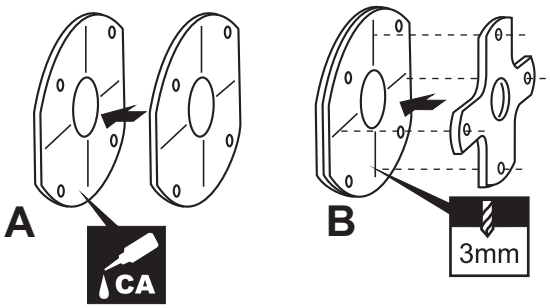


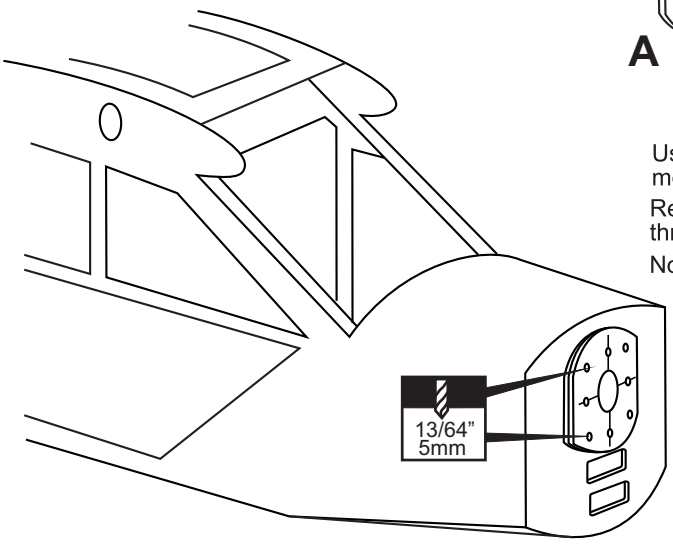
D Reposition the engine on the mounting beams, aligning it with the holes drilled in Step 3. Insert one 3x25mm screw through each of the mounting holes. Apply Silicon to each of the 3x25mm screws and firmly secure the engine to the motor mount using four 3mm nut.





2





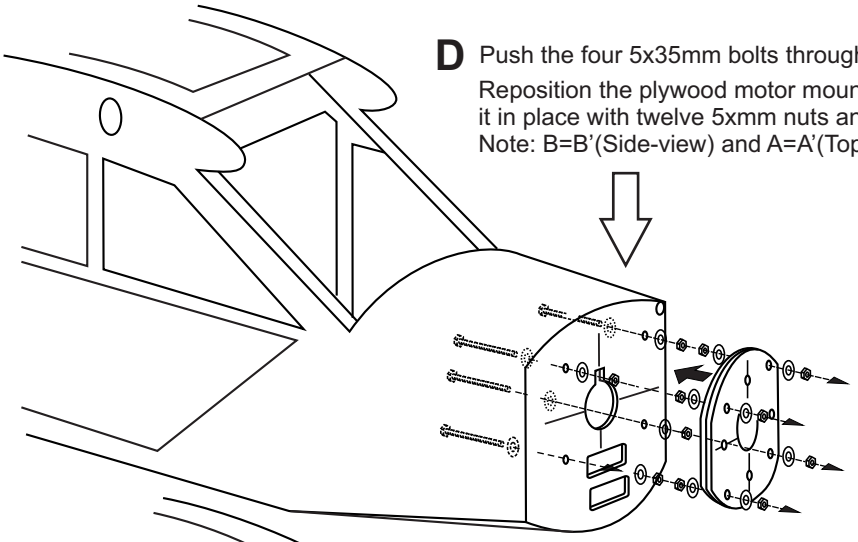
Using a aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled (2).

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

Note: The aluminum motor mounting included with electric motor set.

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

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.

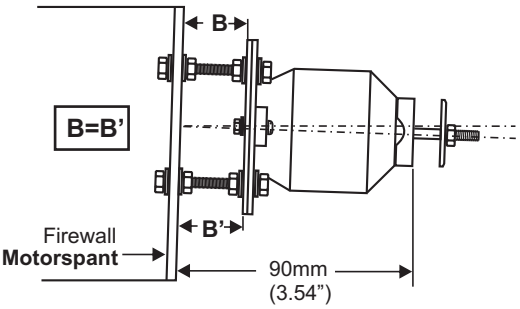


D Push the four 5x35mm bolts through the fire-wall as shown (5).

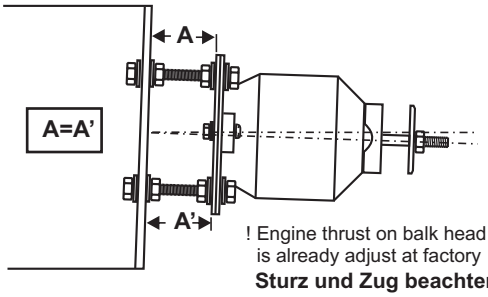
Reposition the plywood motor mounting plate and secure it in place with twelve 5xmm nuts and washers (6).

Note: B=B'(Side-view) and A=A'(Top-view)

SIDE-VIEW / **Seitenansicht**

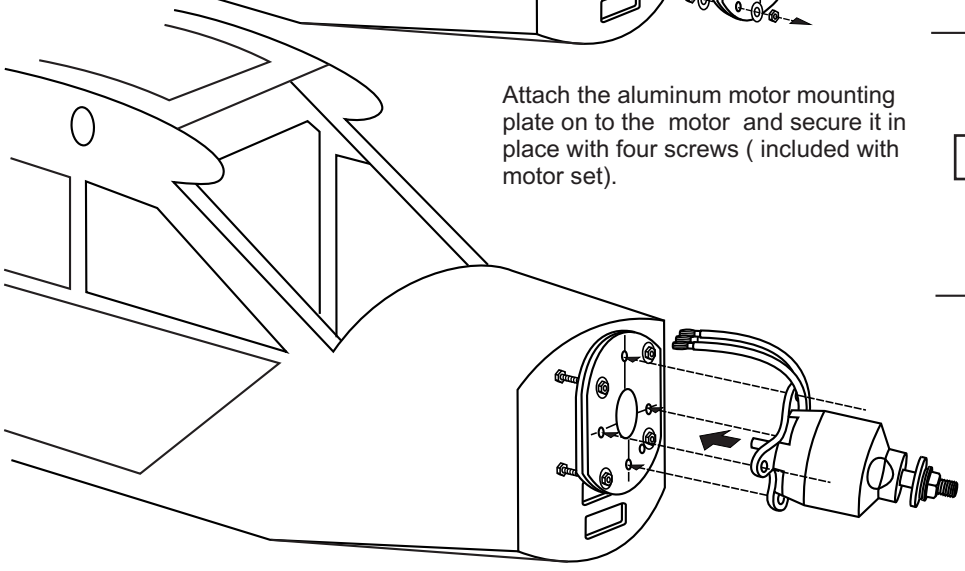


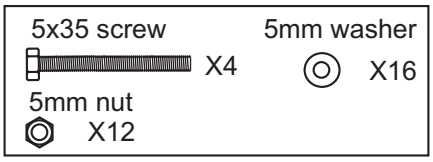
Attach the aluminum motor mounting plate on to the motor and secure it in place with four screws (included with motor set).



! Engine thrust on balk head is already adjust at factory
Sturz und Zug beachten!

TOP-VIEW / **Draufsicht**





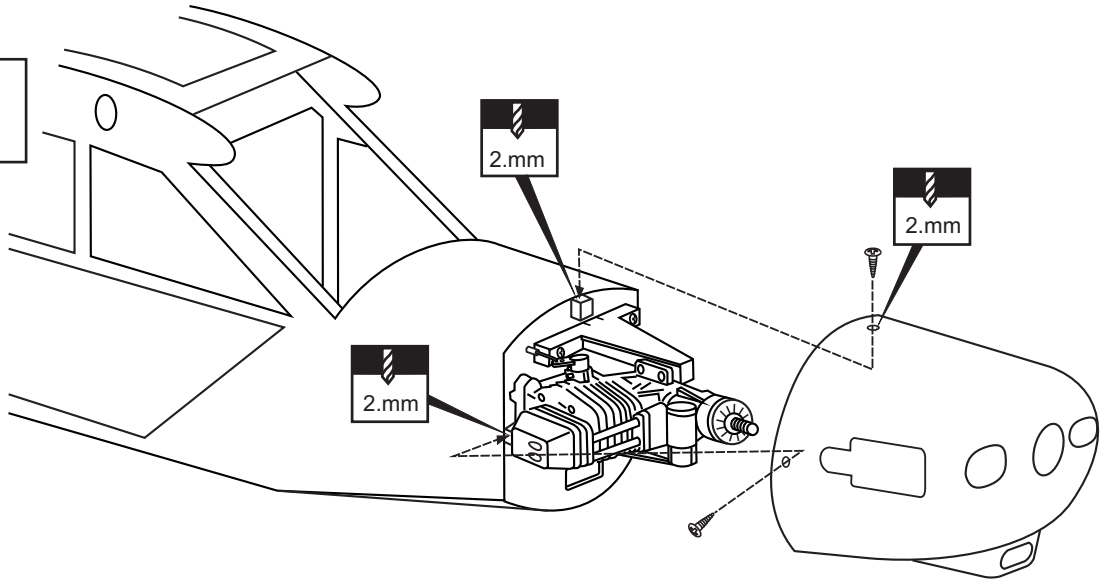
Sperrholztrager Platten zusammenkleben, wie gezeigt ausrichten und Locher bohren.
Motor nach untenstehendem Schema einbauen.
Fur optimale Leistung empfehlen wir folgende Komponenten:
-Brushless-Motor PICHLER BOOST 60
-Brushless Regler PICHLER XQ-70
-LiPO Akku LEMONRC 3700-5S
-Luftschraube 12*6 - 13*8

For maximum performance, we recommended the following:

-Brushless-Motor PICHLER BOOST 60
-Brushless Regler PICHLER XQ-70
-LiPO Battery LEMONRC 3700-5S
-Propeller 12*6 - 13*8

3

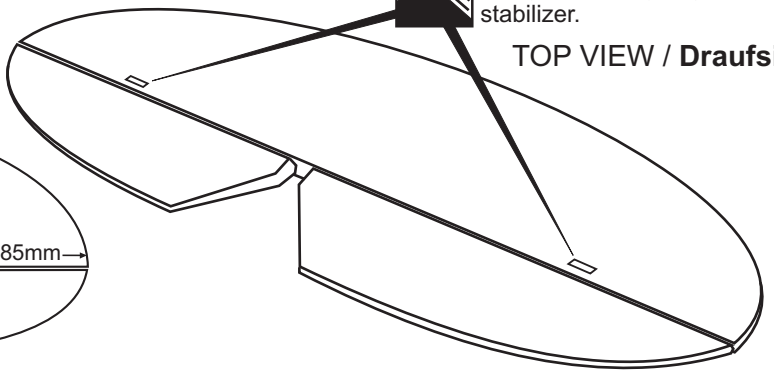
2.5x8mm screw
.....3



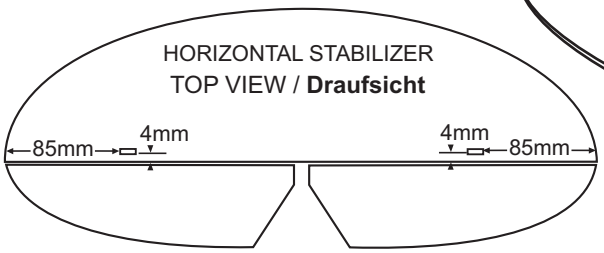
4

Cut two slots (3x7mm and 3mm deep) along the trailing edge of the horizontal stabilizer.

TOP VIEW / **Draufsicht**

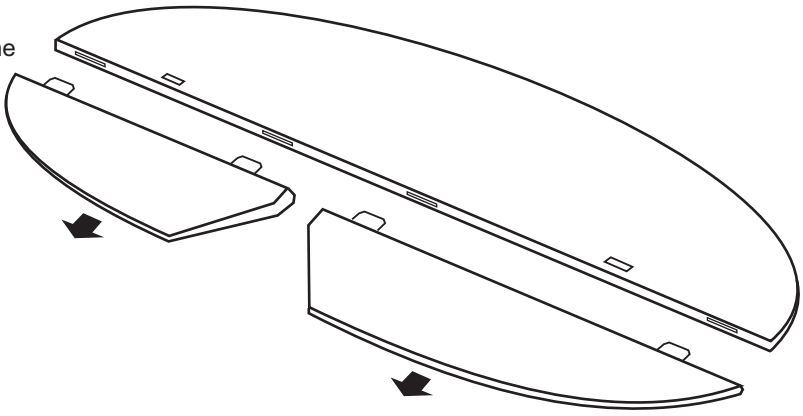


HORIZONTAL STABILIZER
TOP VIEW / **Draufsicht**

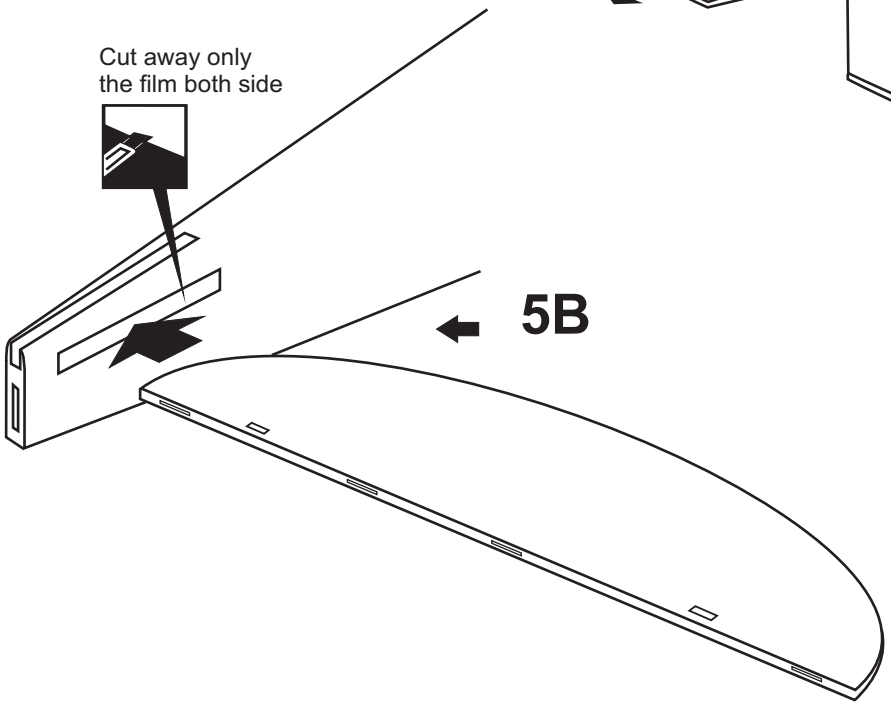


5

5A Full the elevator out of the horizontal stabilizer.

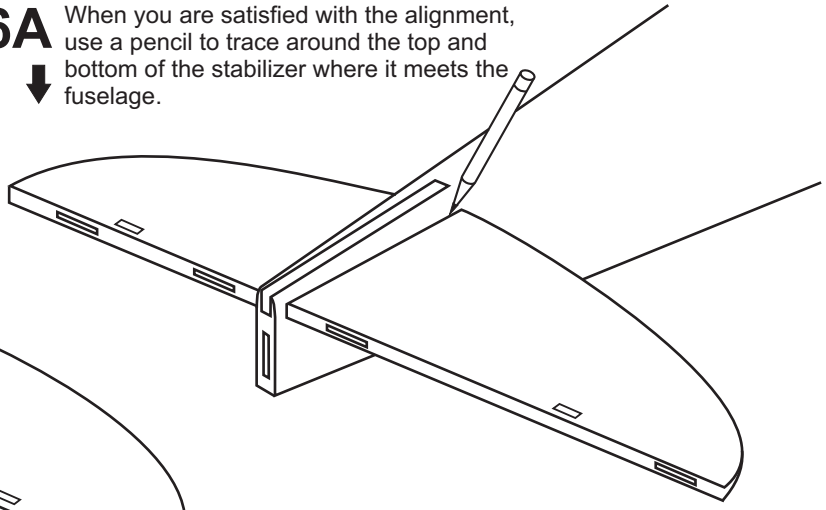


Cut away only the film both side

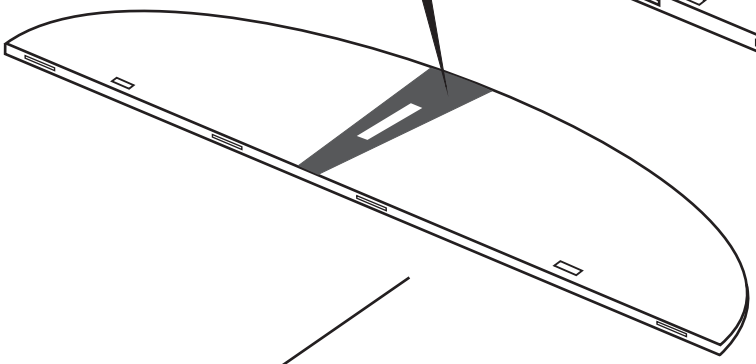


6

6A 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.



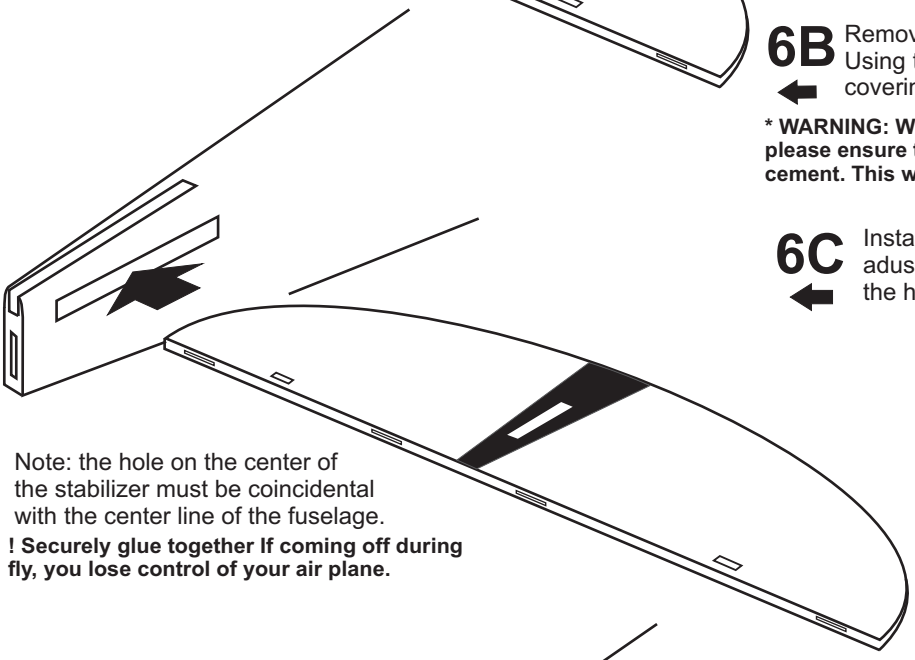
Cut away only the covering both side



6B Remove the horizontal stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above.

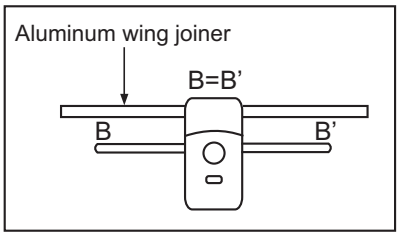
*** WARNING: When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.**

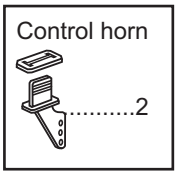
6C Install the horizontal stabilizer into the fuselage and adust the alignment as described in steep 5B. Secure the horizontal stabilizer in place using CA glue.



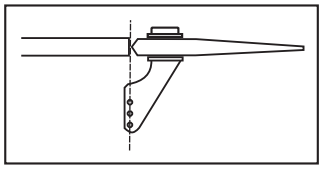
Note: the hole on the center of the stabilizer must be coincidental with the center line of the fuselage.

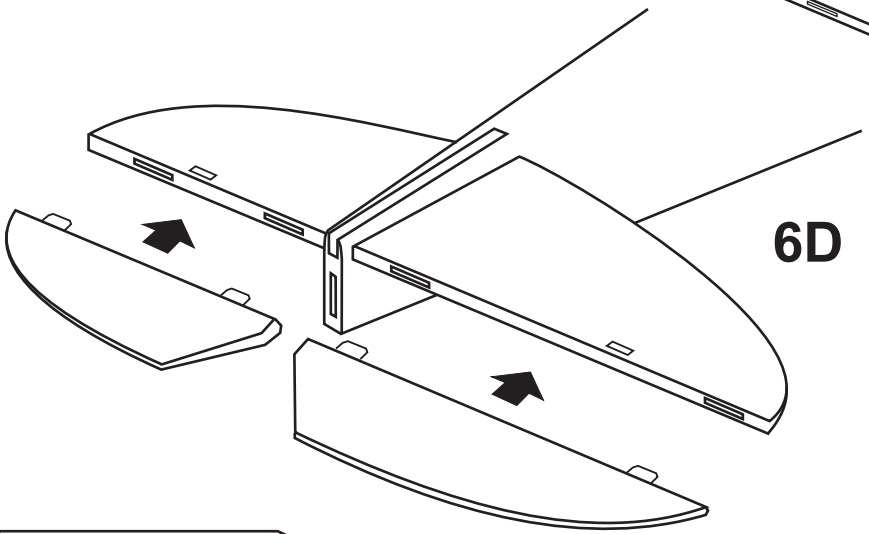
! Securely glue together If coming off during fly, you lose control of your air plane.



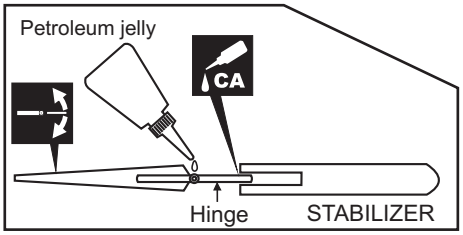


Note: The slots for the control horn installation are pre- cut at factory.



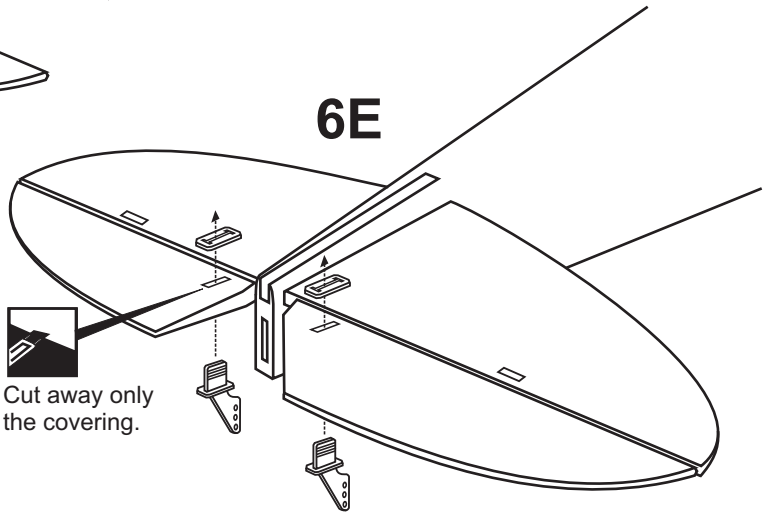


6D



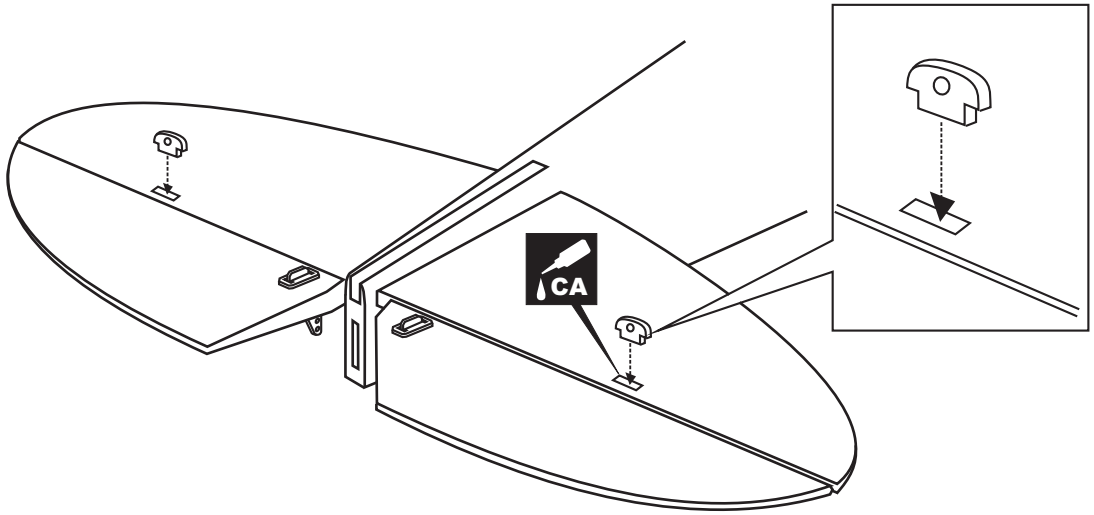
Apply a thin layer of machine oil or petroleum jelly to only the pivot point of the hinges on the elevator, then push the elevator and its hinges into the hinge slots in the trailing edge of the horizontal stabilizer. There should be a minimal hinge gap.
When satisfied with the and alignment, hinge the elevator to the horizontal stabilizer using CA glue.

6E



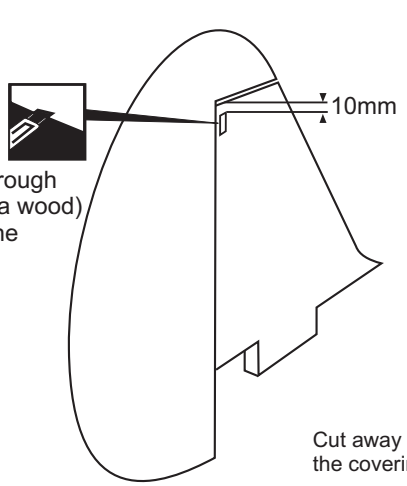
Cut away only the covering.

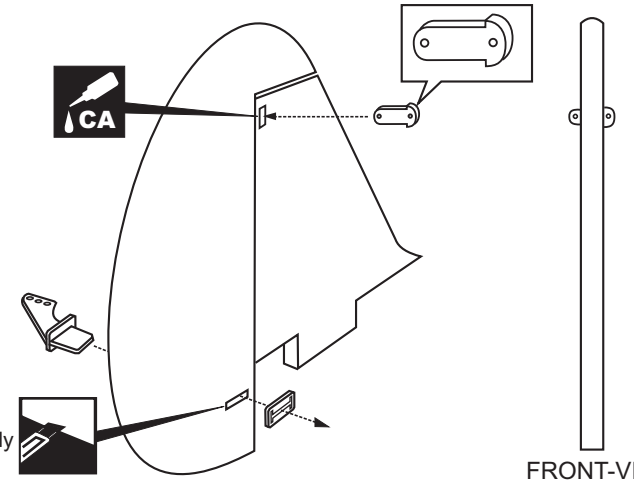
7



8

Cut a slots (3x7mm and through both the covering and balsa wood) along the trailing edge of the vertical stabilizer.





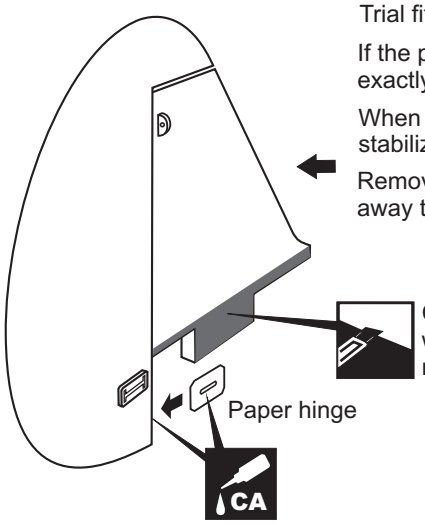
FRONT-VIEW

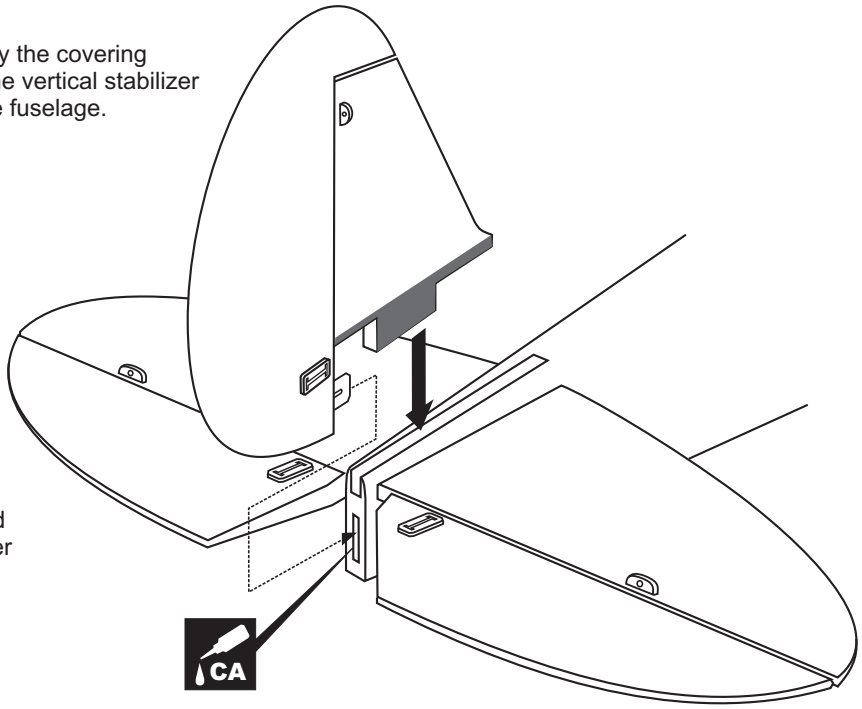
Trial fit the vertical stabilizer in place. Check the alignment of the vertical stabilizer.

If the parts will join, but with a gaps, sand or trim the parts a little at a time until the parts meet exactly with no gaps.

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

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

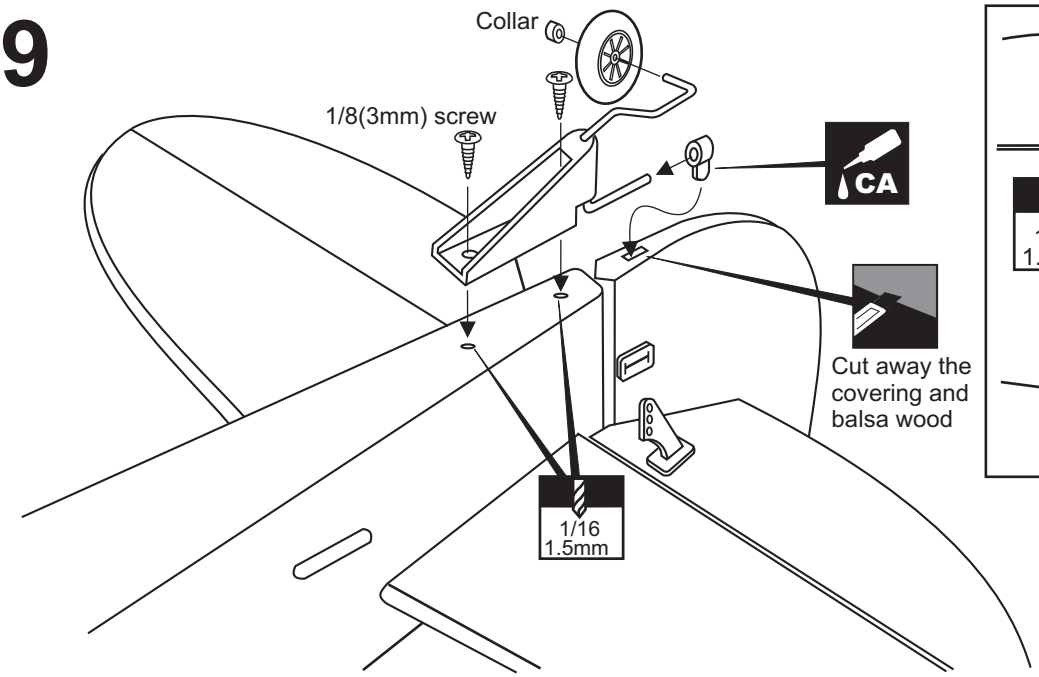


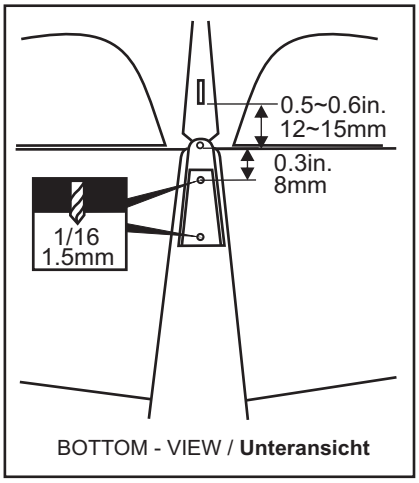


Install the vertical stabilizer into the fuselage and adust the alignment. Secure the vertical stabilizer in place using CA glue.

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

9





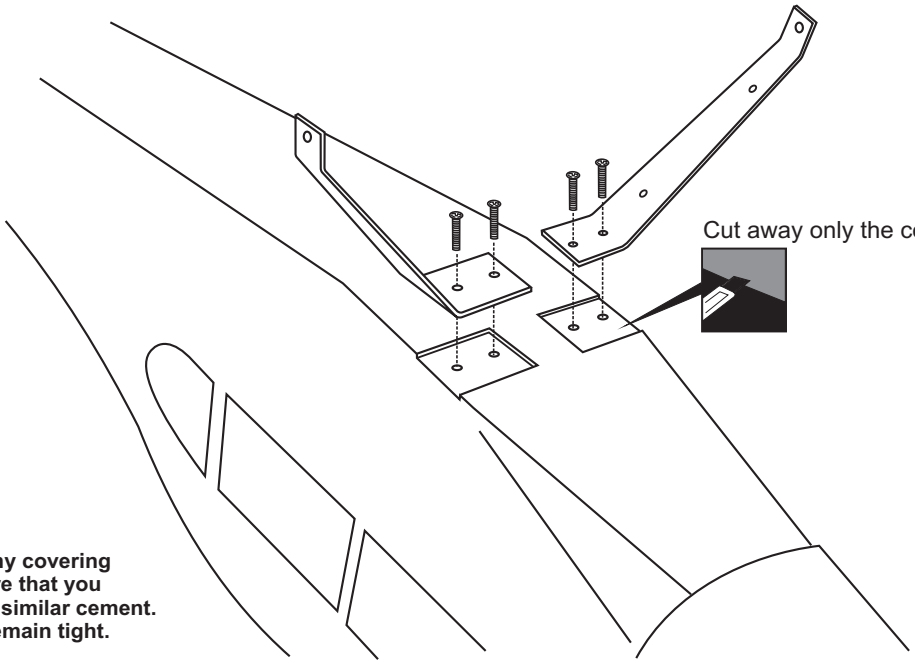
3x12.....2

.....1

.....1

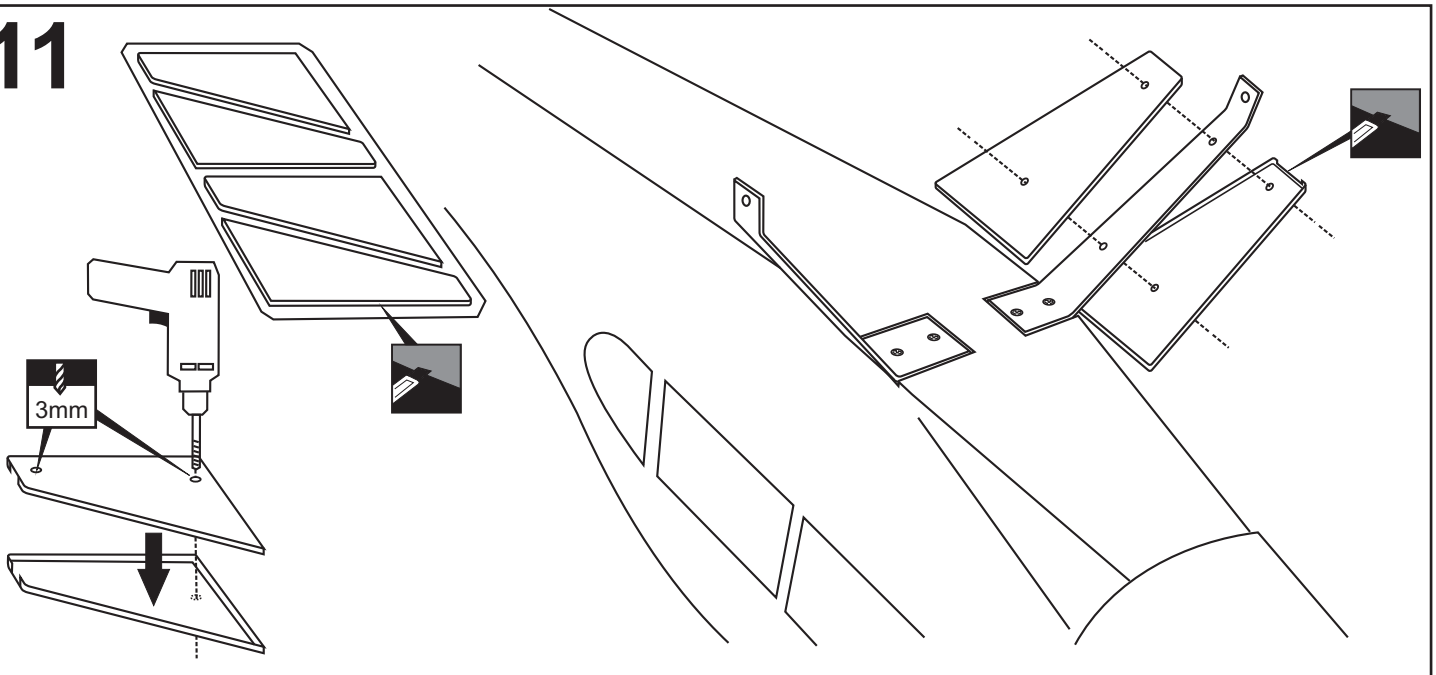
10

4X20mm screw 4



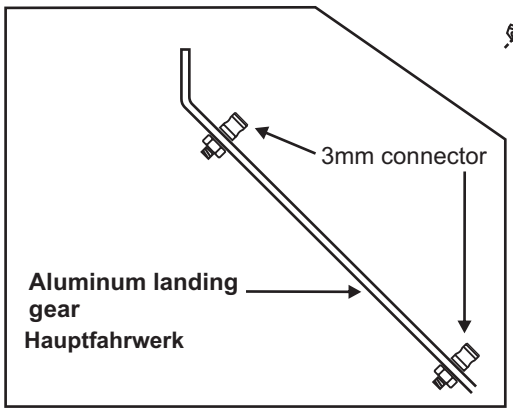
*** WARNING: When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.**

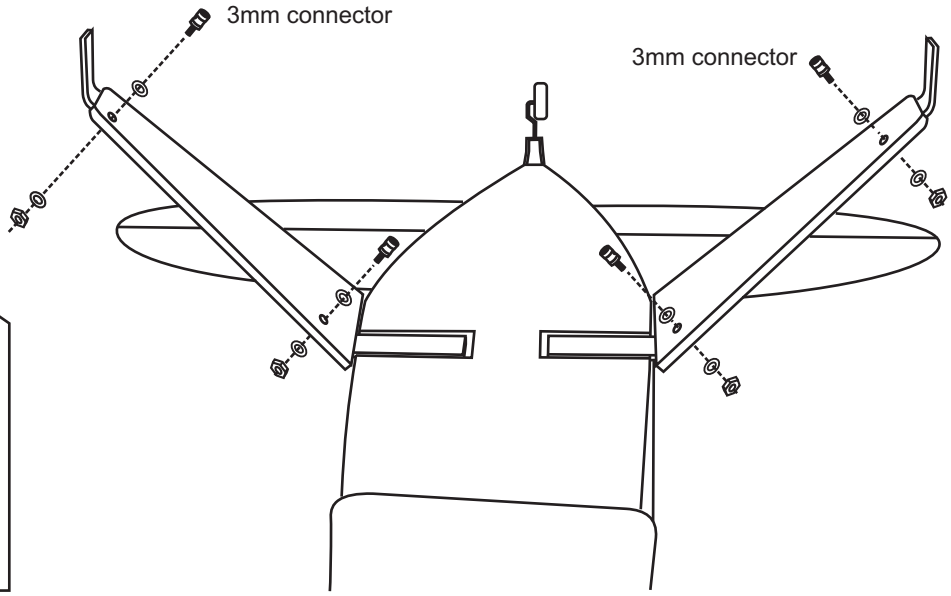
11



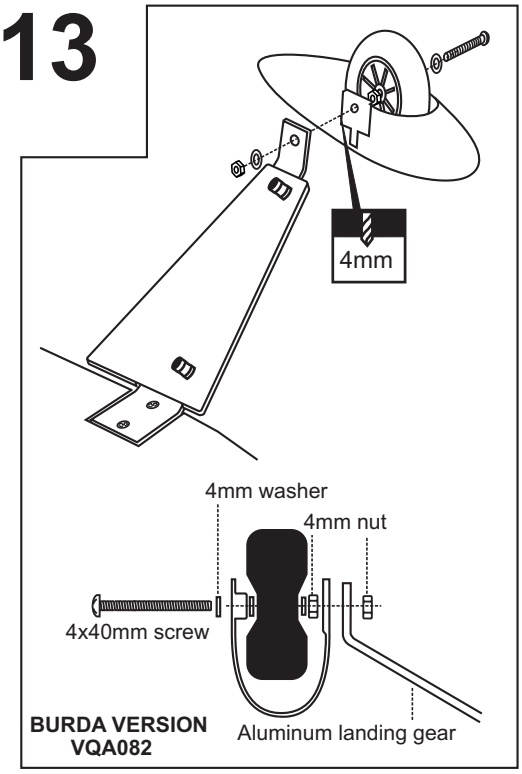
12

Connector 4



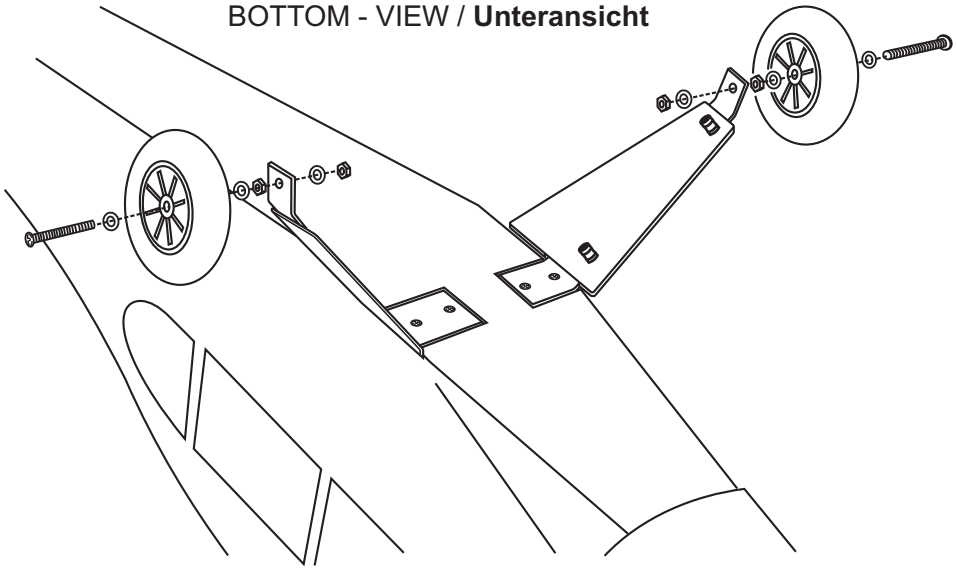


13



BURDA VERSION
VQA082

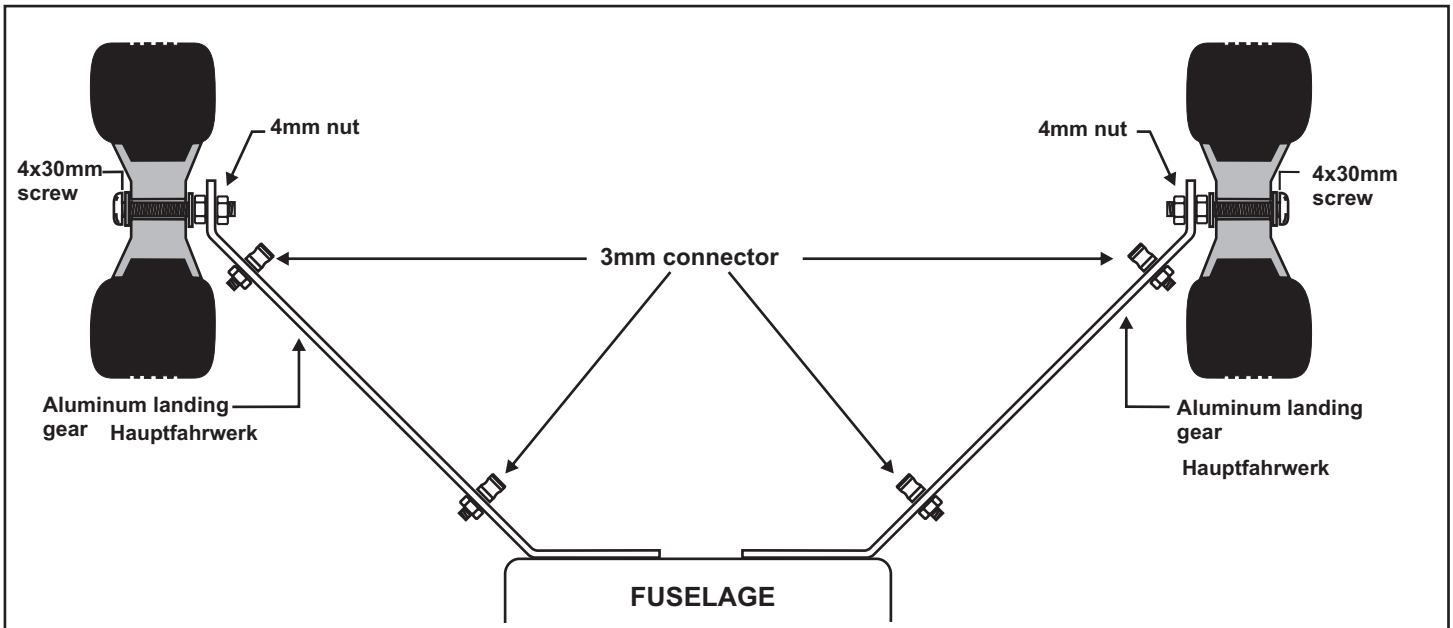
BOTTOM - VIEW / **Unteransicht**



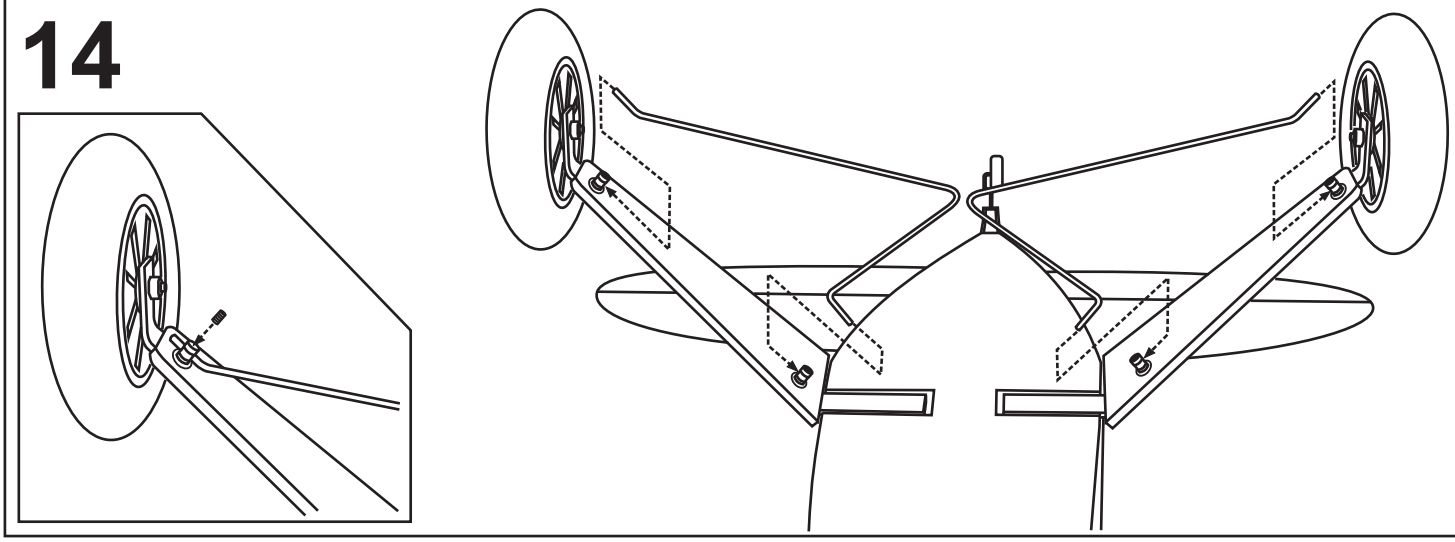
AUSTRIA VERSION
VQA083

4X40mm screw 2

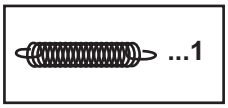
4mm nut-washer

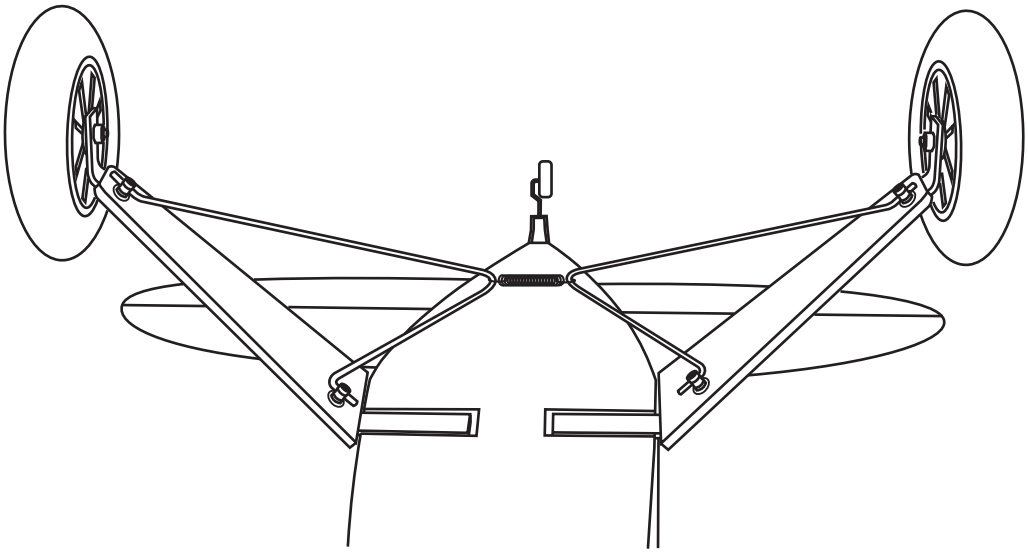


14

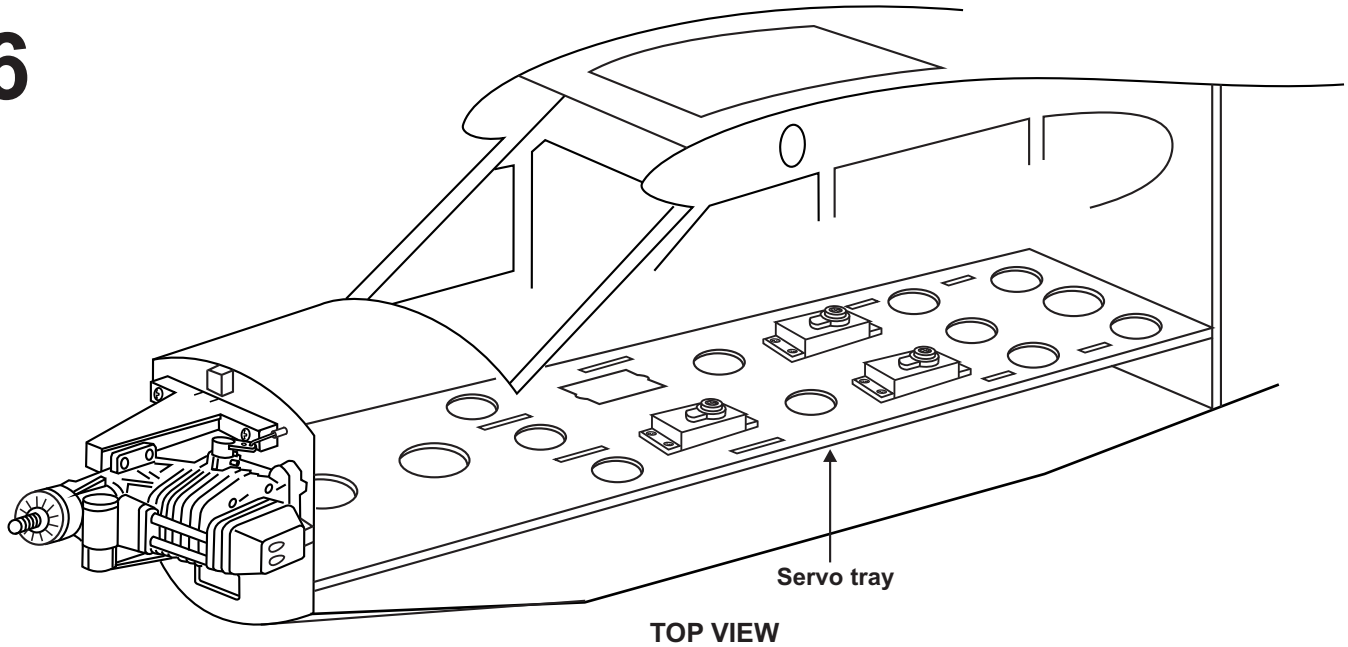


15

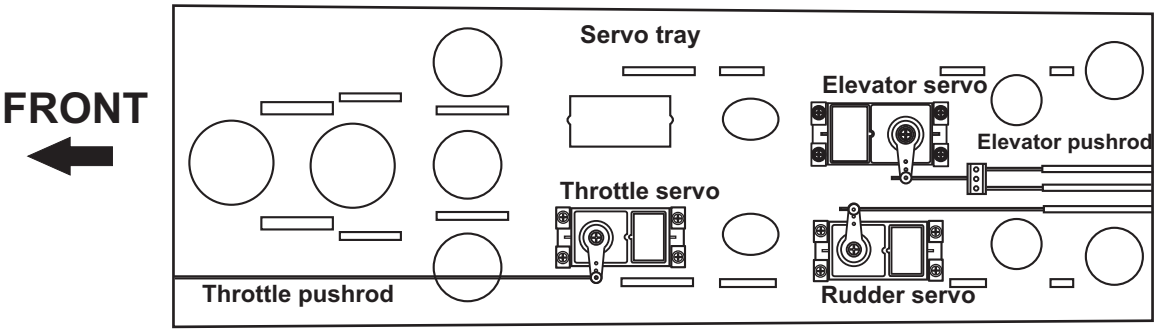




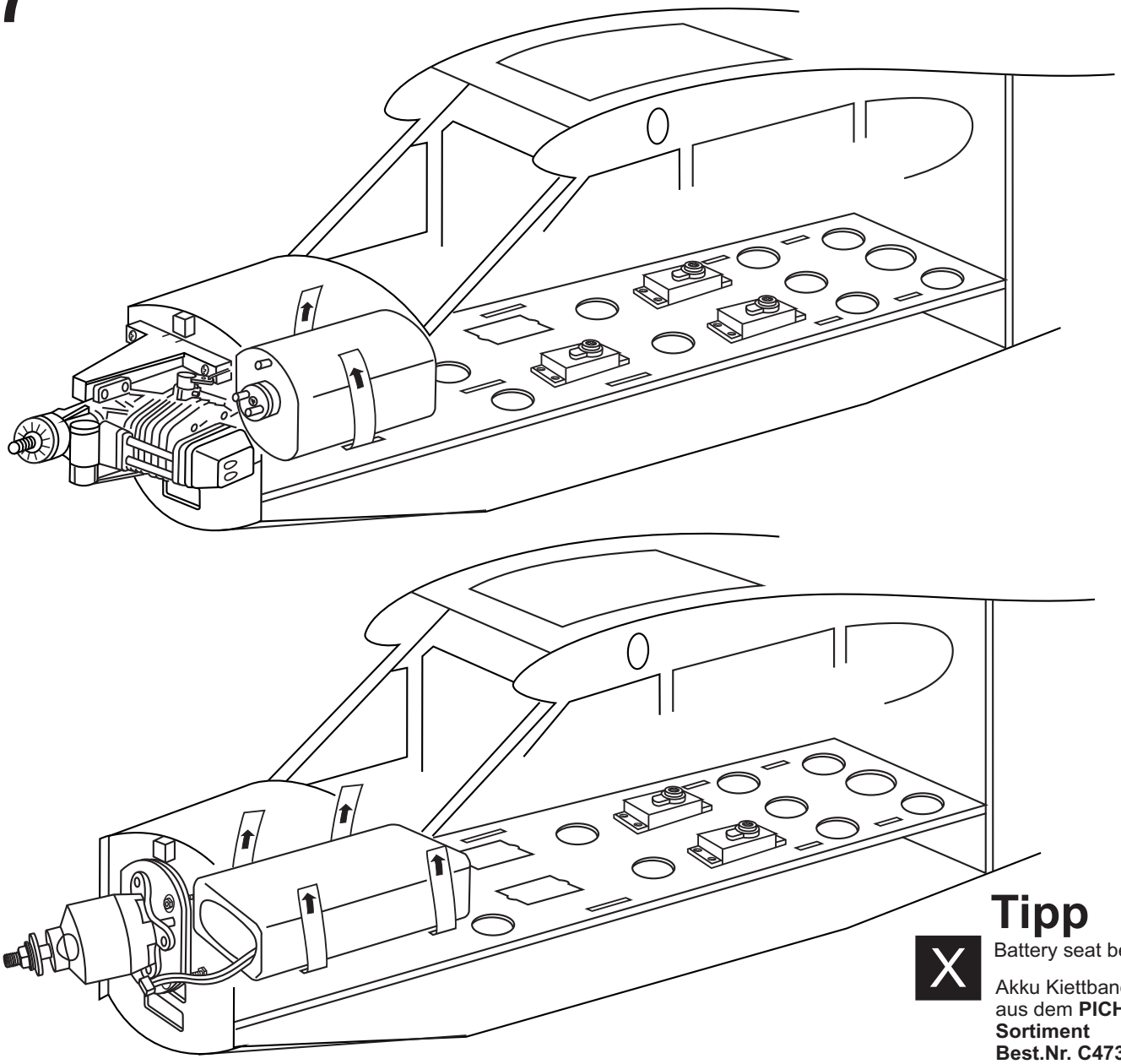
16



TOP VIEW



17

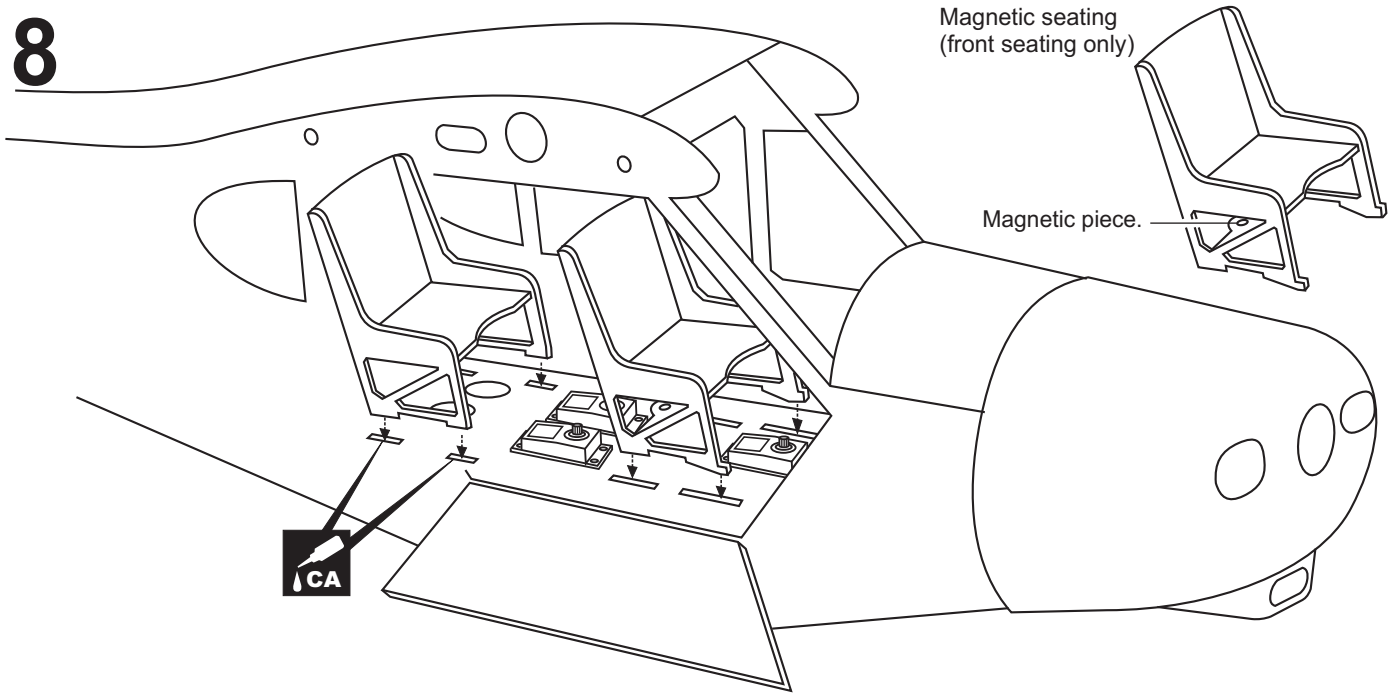


Tipp

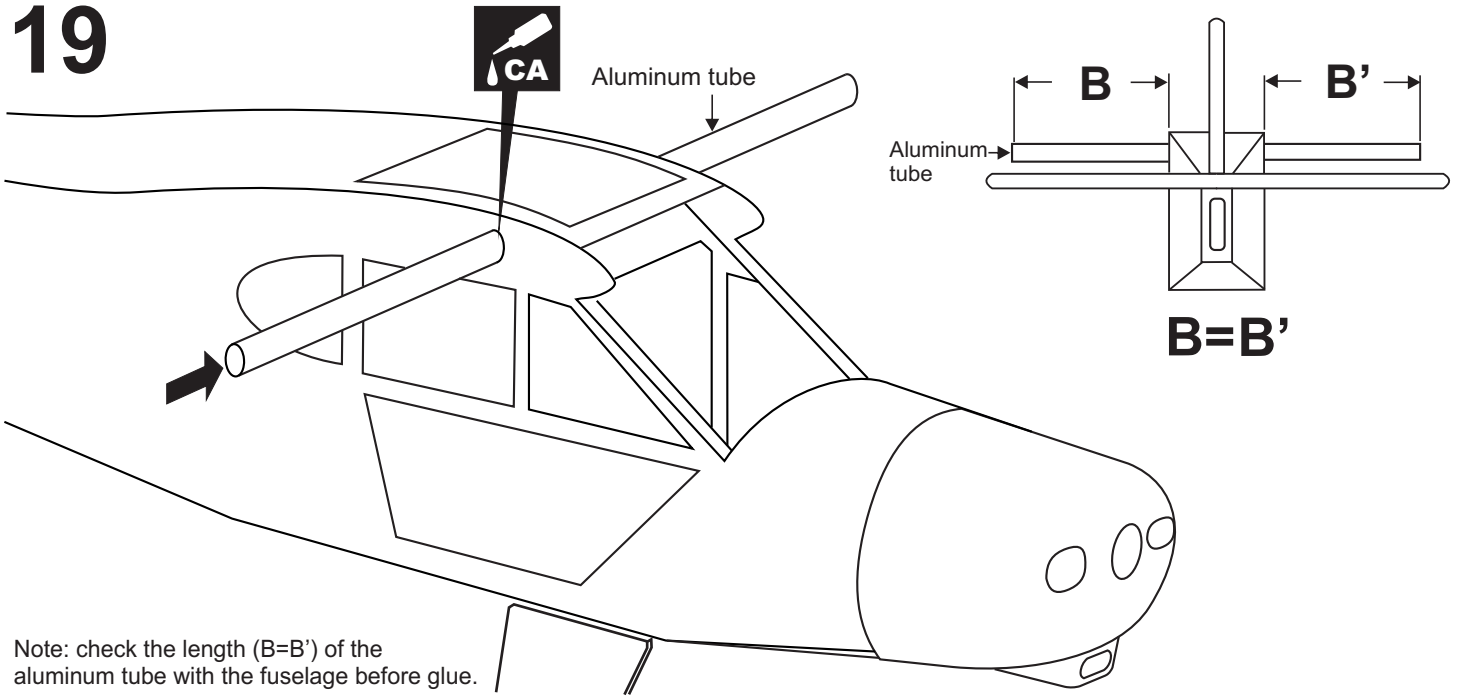
X Battery seat bell

Akku Kiettband
aus dem **PICHLER**
Sortiment
Best.Nr. C4739

18

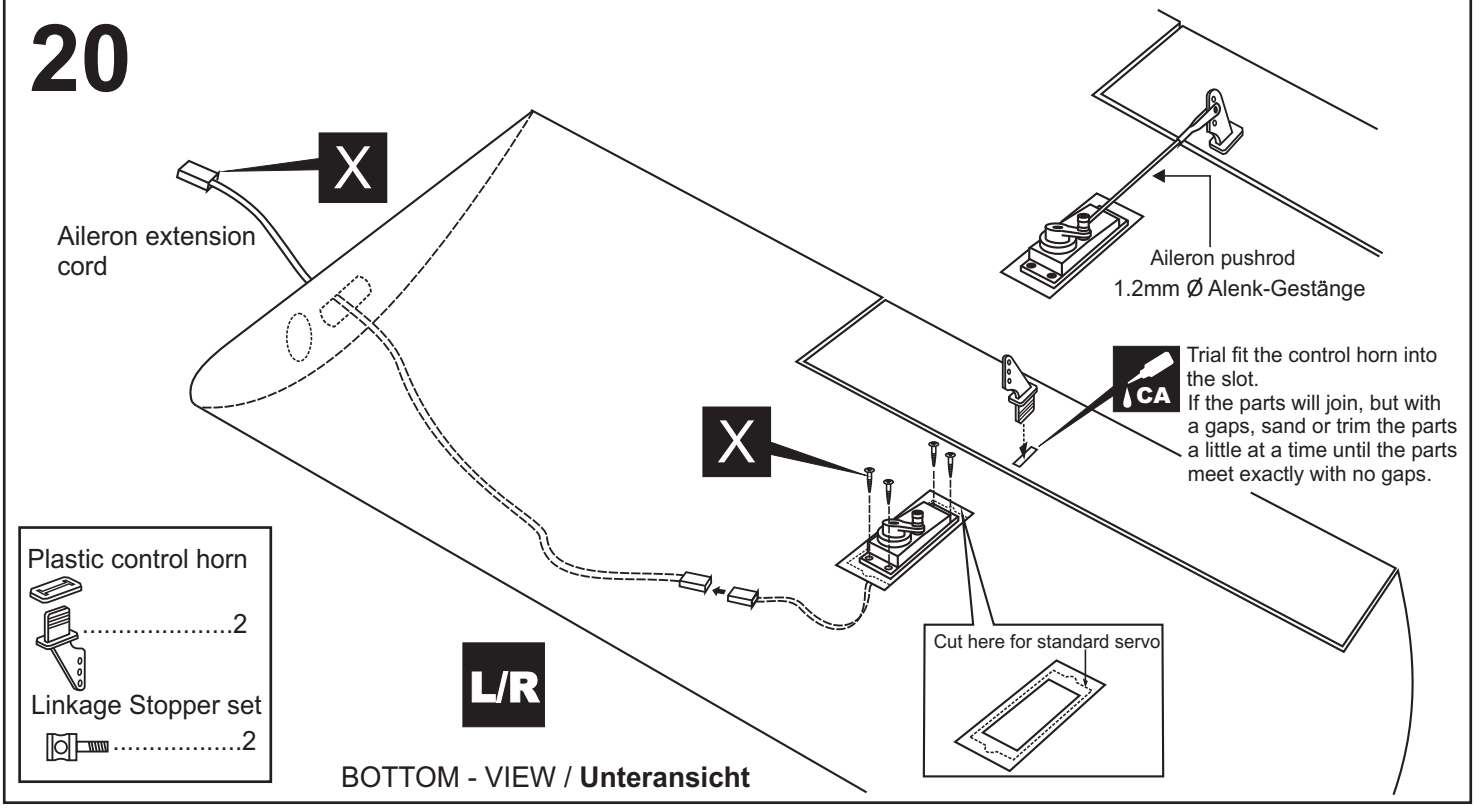


19



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

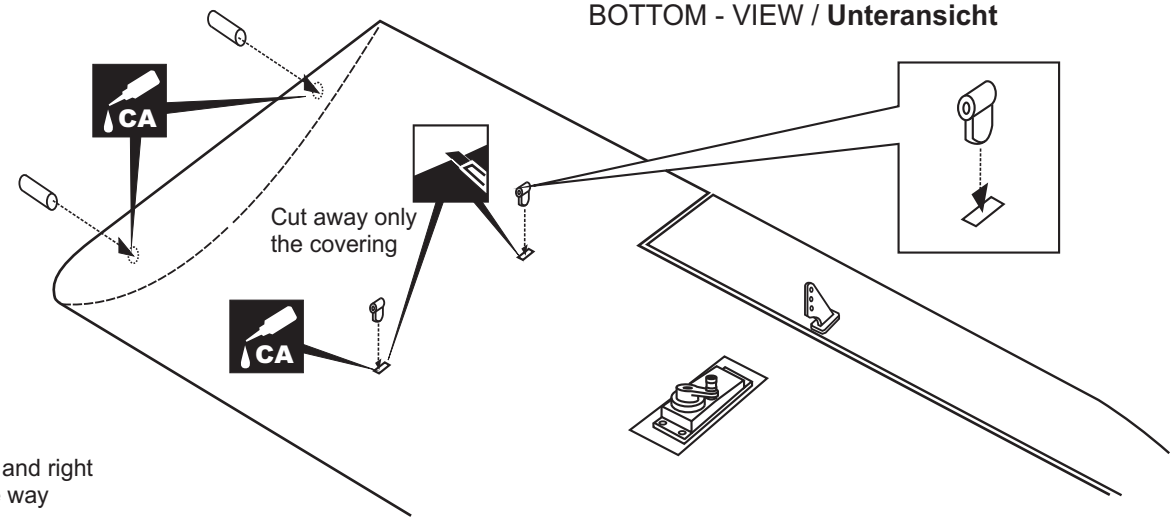
20



Plastic control horn 2

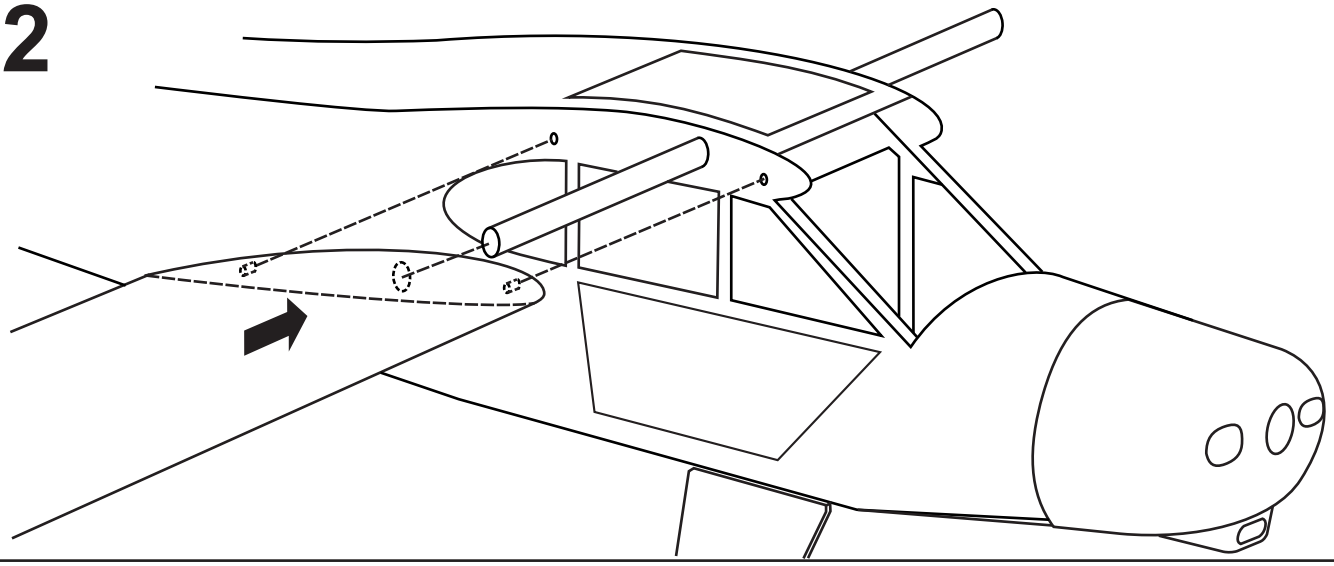
Linkage Stopper set 2

21

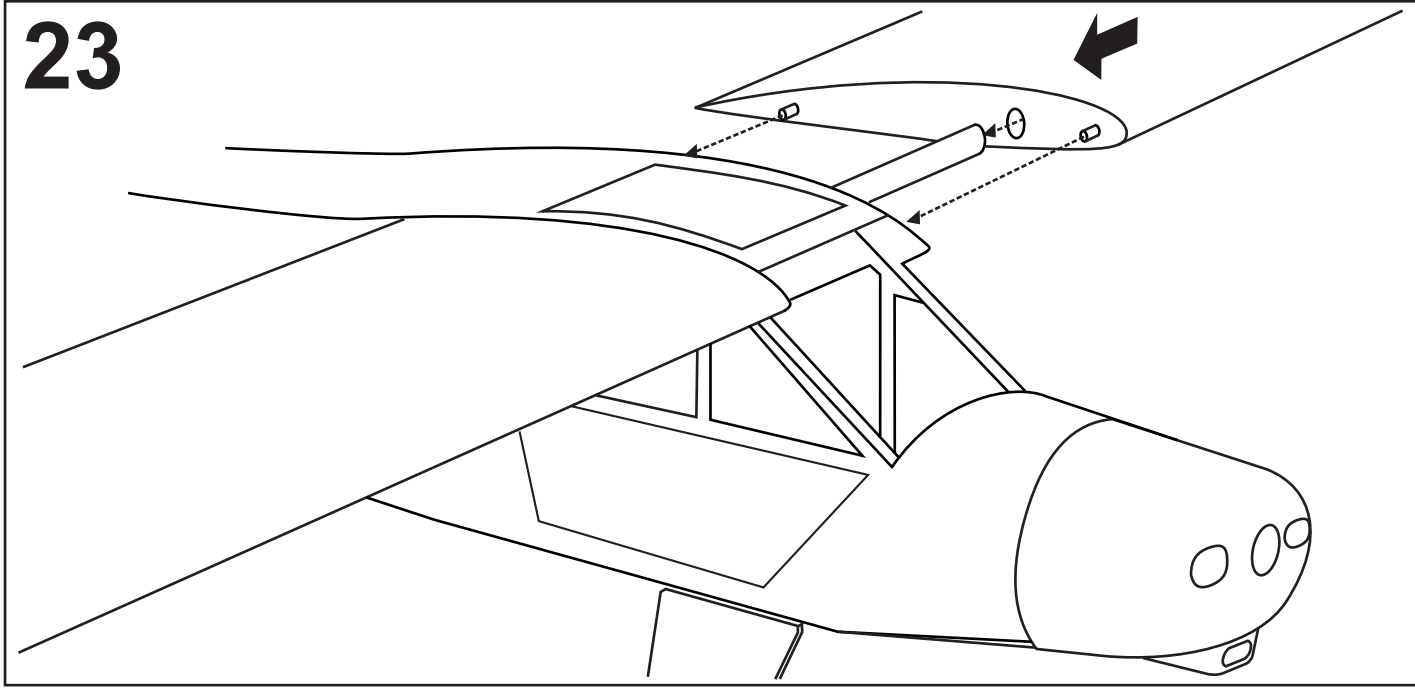


L/R Assemble left and right side the same way

22



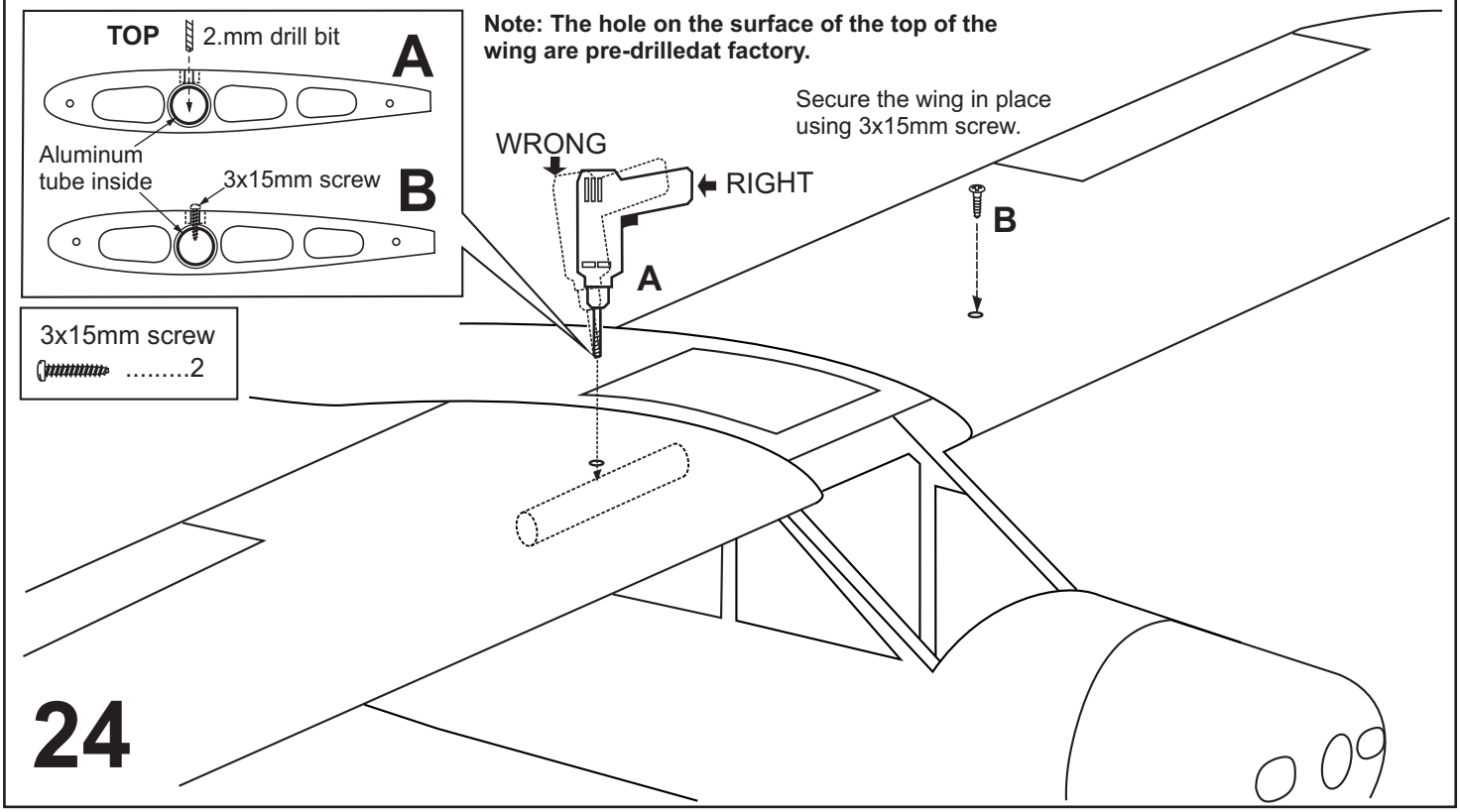
23



3x15mm screw 2

Note: The hole on the surface of the top of the wing are pre-drilledat factory.

Secure the wing in place using 3x15mm screw.

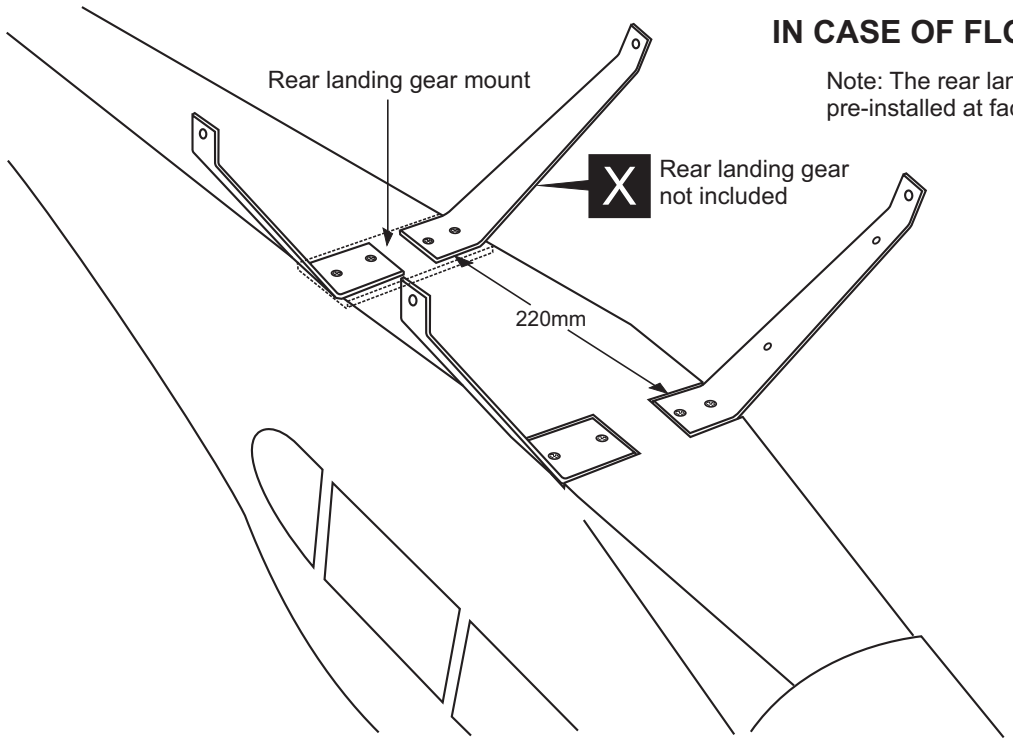


24

25

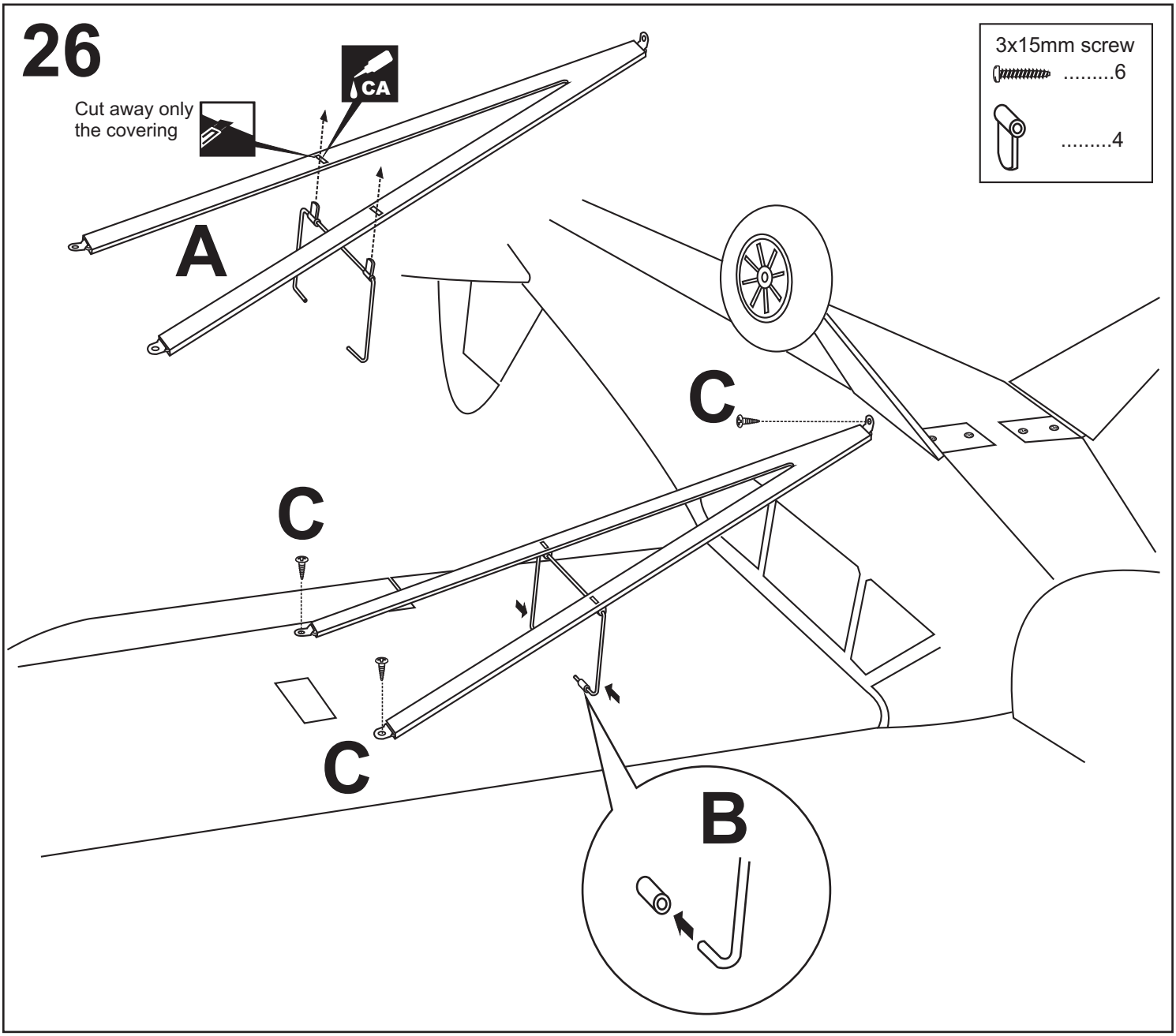
IN CASE OF FLOATING USING

Note: The rear landing gear mount is pre-installed at factory



BOTTOM - VIEW / **Unteransicht**

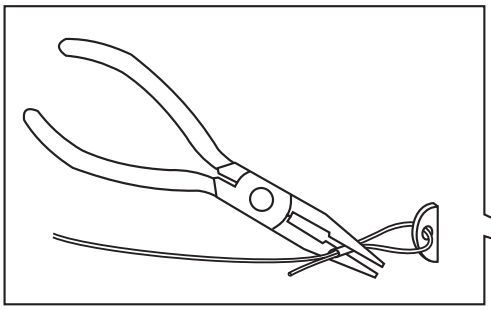
26

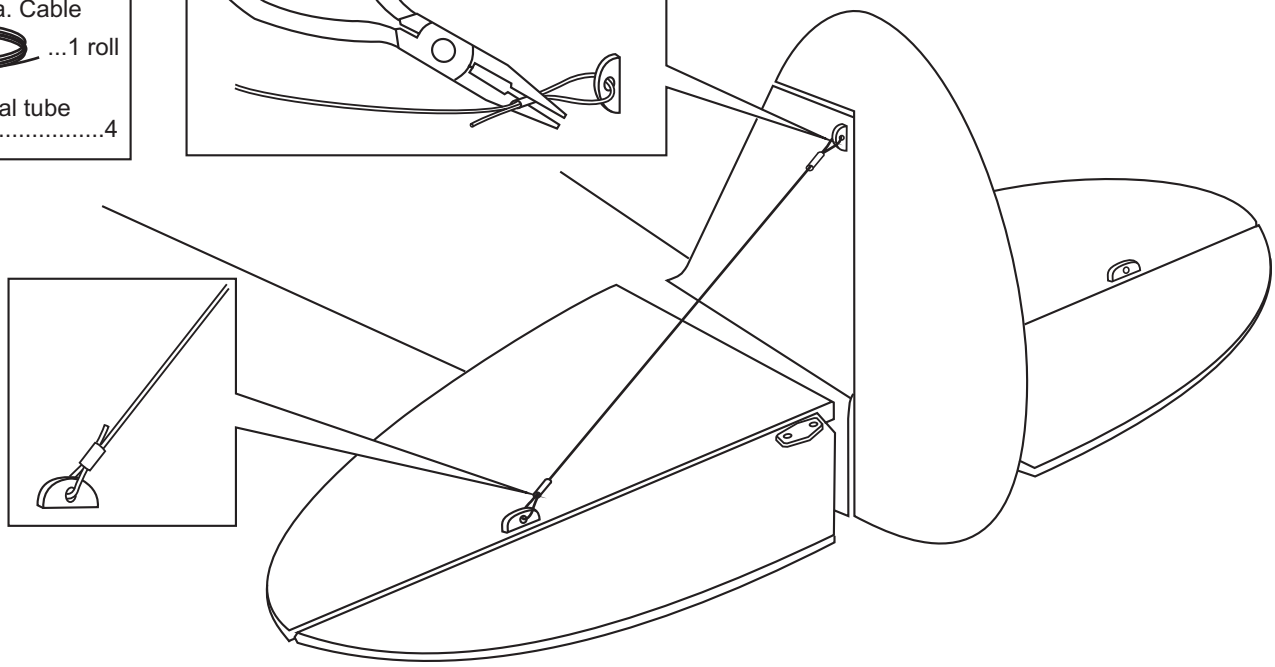


27

0.5mm dia. Cable ...1 roll

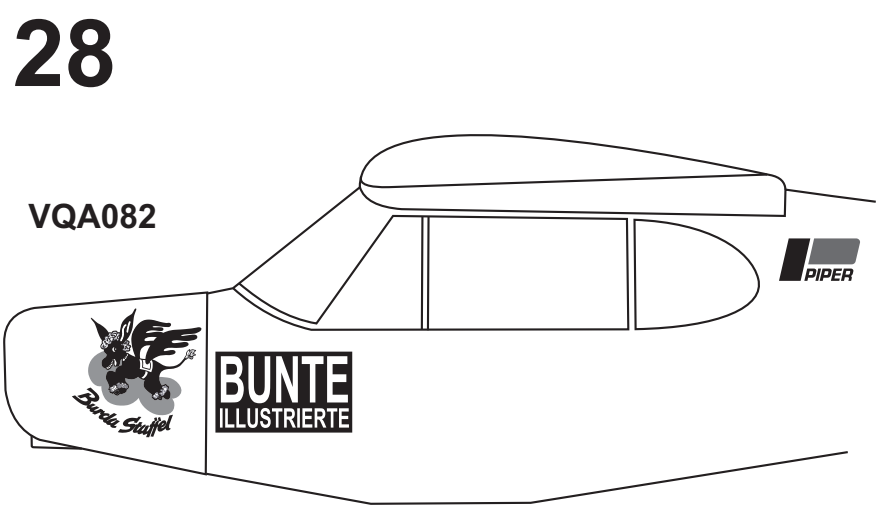
2mm metal tube 4

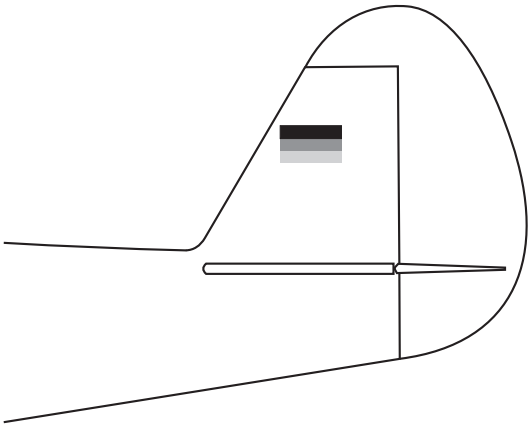




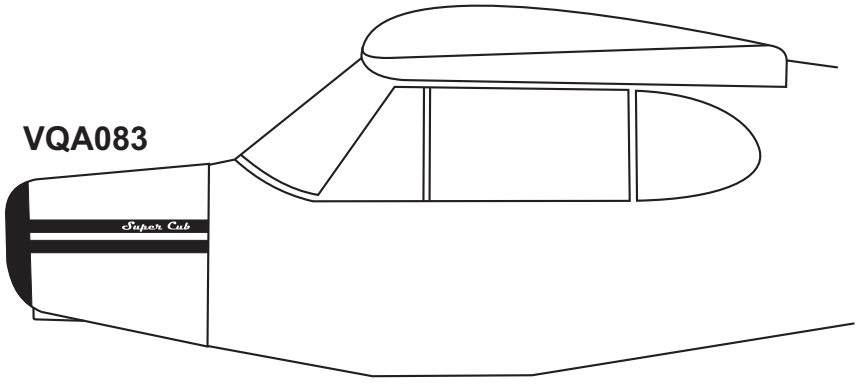
28

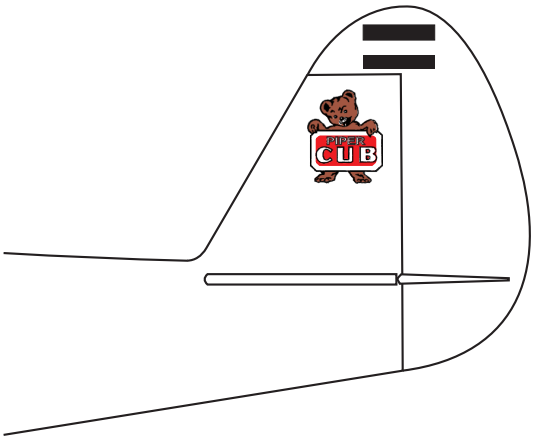
VQA082





VQA083

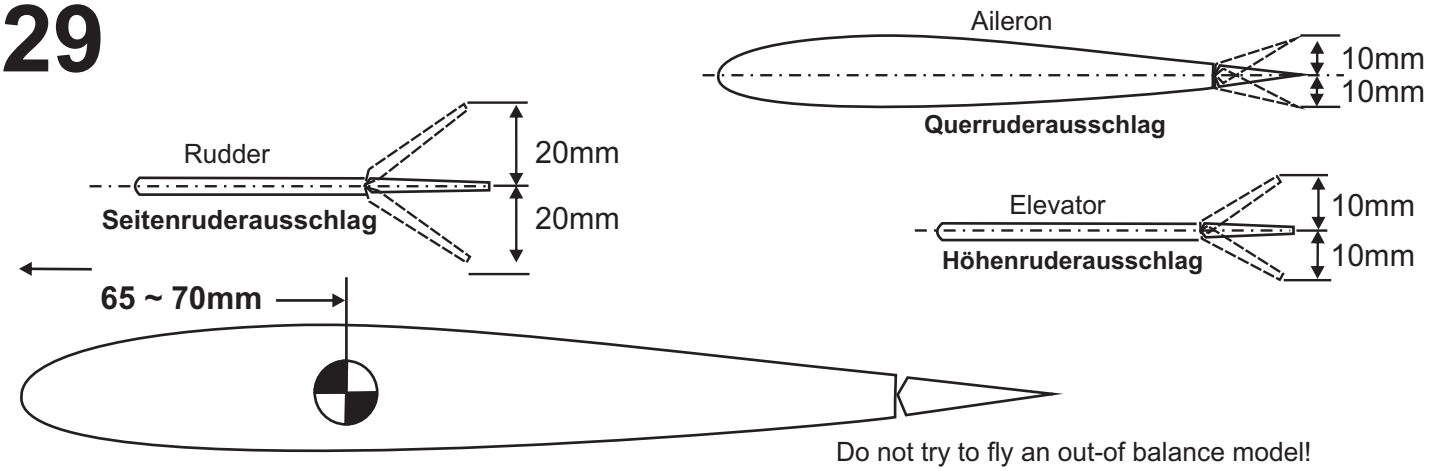




Note: Cut out the stickers and apply them in the proper area. Do not peel the backing paper off all at once.
Peel off one corner of the backing and cut off with scissors.
Arrange sticker on model and when satisfied adhere the corner without backing.
Carefully peel back the rest of the backing while at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

29



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 !