

Radio control model
R/C Flugmodell

INSTRUCTION MANUAL MONTAGEANLEITUNG

TRI - PACER PIPER PA-22

Designed for brushless electric motors (.46-.52 class glow conversion optional)

Entwickelt für Brushless Elektro Motoren (7,5 -8,5cc Glühzündermotor Einbau möglich)



TECHNISCHE DATEN

Item No. 160006

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

SPECIFICATIONS

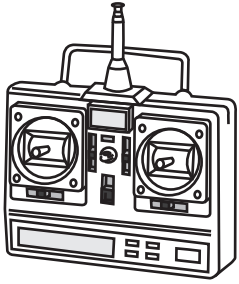
Wingspan	63.7in.
Length	49.2 in.
Electric Motor	(See next page)
Glow Engine	.46 2Stroke / .52 4-Stroke
Radio	6 Channel / 6-7 Servos



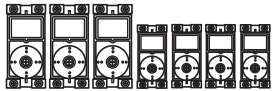
WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of control and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if you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

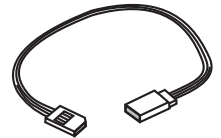
REQUIRED FOR OPERATION (Purchase separately) BENÖTIGTE KOMPONENTEN (Nicht im Lieferumfang enthalten)



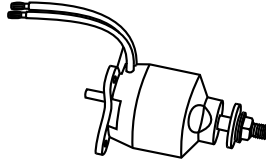
Minimum 6 channel radio for airplane / 7 servo
Motor x1, rudder x1, elevator x1
aileron x2 (mini servo) Flap x2 (mini servo)
Minimum 6 Kanal
Fernsteuerung / 7 servo



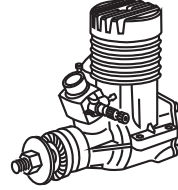
Propeller 11x8 for electric motor / 11x6 for glow engine
Luftschaube 11x8 für Elektromotor / 11x6 für Verbrennungsmotor



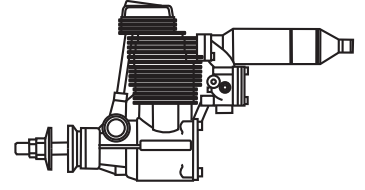
Extension cord
Servoverlängerungskabel



Brushless Motor
G-46HP Motor
5 Cell 450mAh
13x8 Propeller



.46 cu.in. (7.5cc)



.52 cu.in. (8.5cc)

Cyanoacrylate Glue
Sekundenkleber

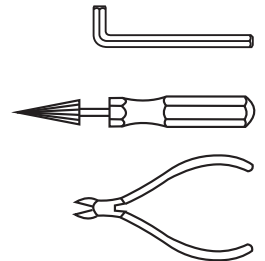
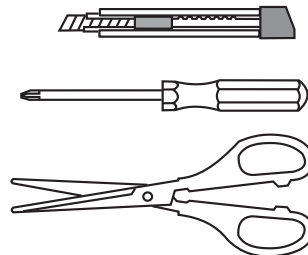
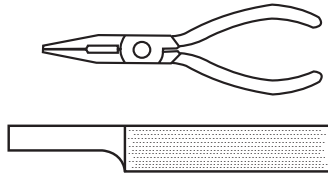


Silicon Glue
Silikonkleber



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


Tool Required/ Erforderliches Werkzeug





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


Die Bespannung des Modells kann durch Temperatureinflüsse erschlaffen oder Falten werfen z.B. bei zu starker Sonneneinstrahlung 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.





 1.5mm
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

 1.5mm
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

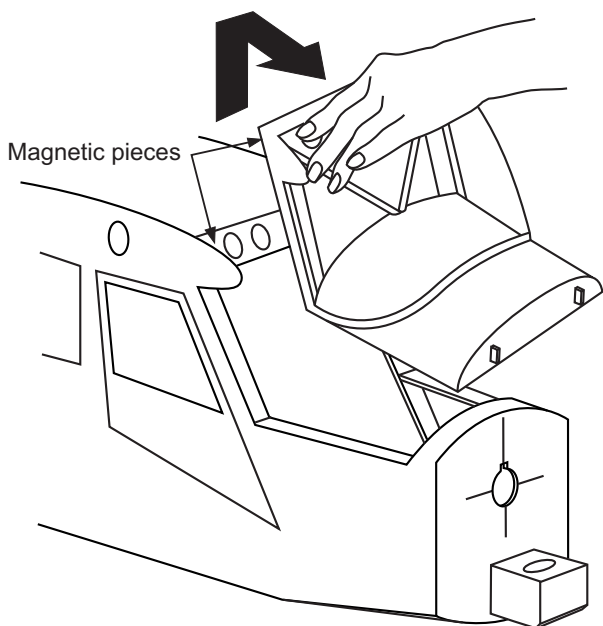
 Nicht enthalten. Teile müssen separat gekauft werden.

CONVERSION TABLE

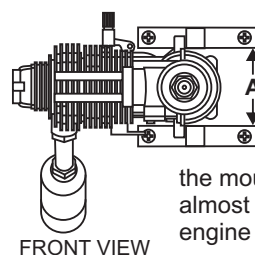
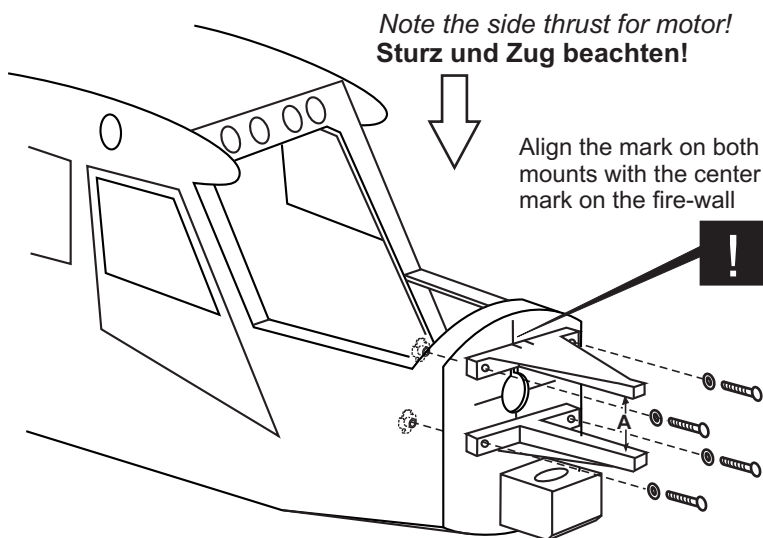
1.0mm = 3/64"	3.0mm = 1/8"	10mm = 13/32"	25mm = 1"
1.5mm = 1/16"	4.0mm = 5/32"	12mm = 15/32"	30mm = 1-3/16"
2.0mm = 5/64"	5.0mm = 13/64"	15mm = 19/32"	45mm = 1-51/64"
2.5mm = 3/32"	6.0mm = 15/64"	20mm = 51/64"	

1

A Move the magnetic canopy out of the fuselage.

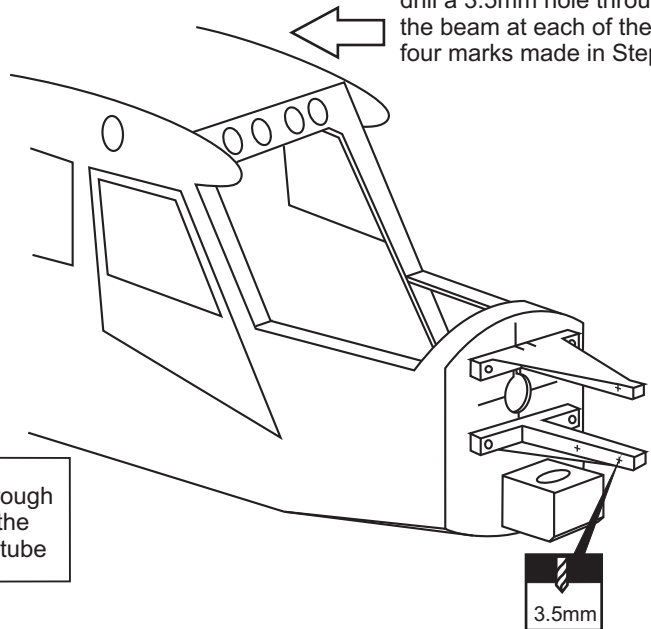


B Securely attach the engine mount to the fire-wall using the four 4x25mm screws.

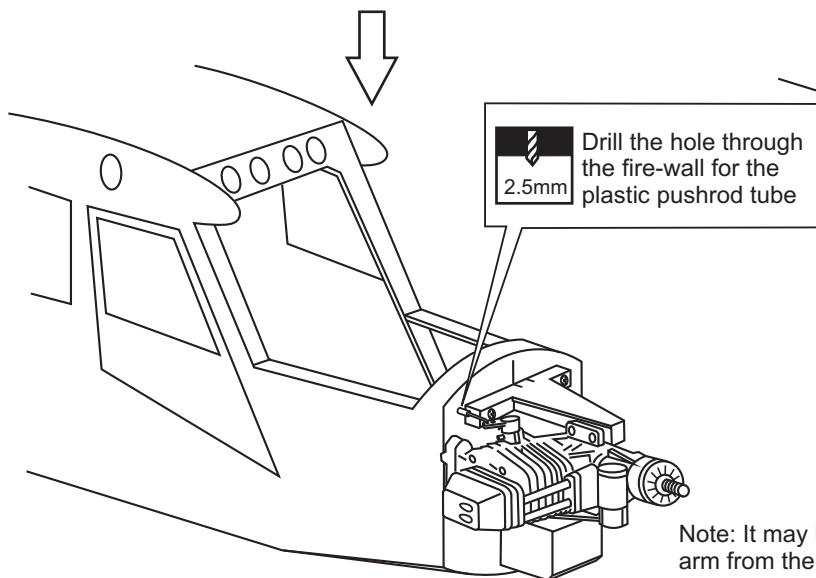


C Position the engine on the engine mount beams so the distance from the prop hub to the fire-wall is 112-114mm. Using a pencil, mark the engine mounting plate where the four holes are to be drilled. Note: Mark the mounting plate through the engine mounting flanges.

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

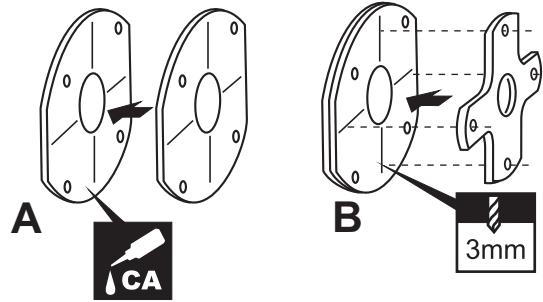


E Reposition the engine on the mounting beams, aligning it with the holes drilled in Step 3. Insert one 3x25mm screw through each of the mounting holes. Apply Silicon to each of the 3x25mm screws and firmly secure the engine to the motor mount using four 3mm nut.

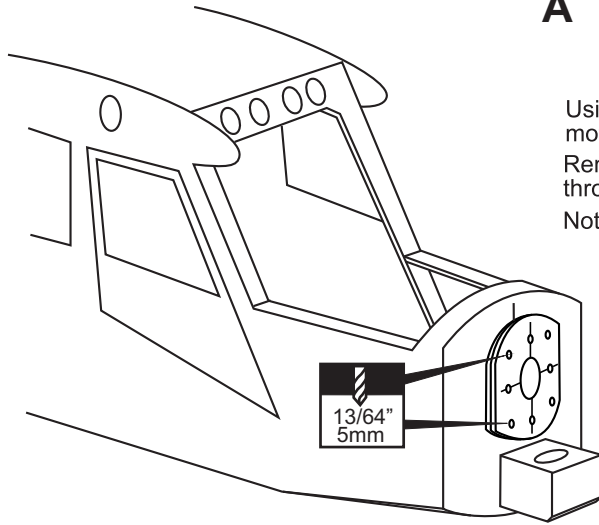


Note: It may be easier to temporarily remove the throttle arm from the engine to insert the Z bend of throttle push-rod.

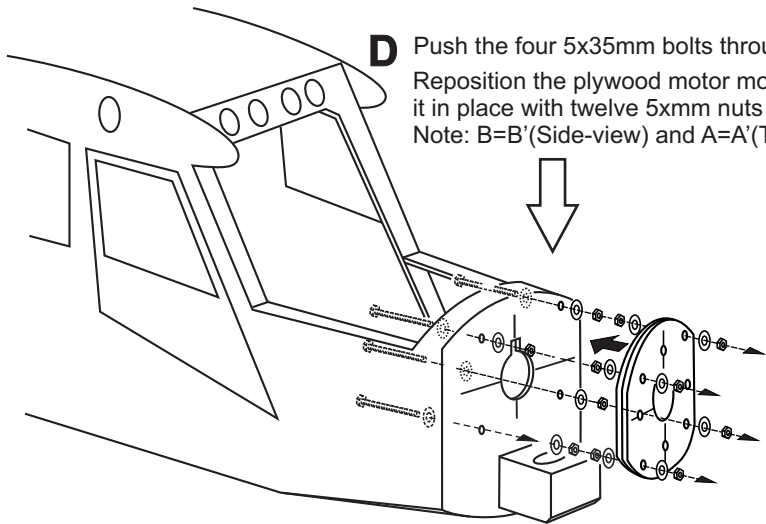
2



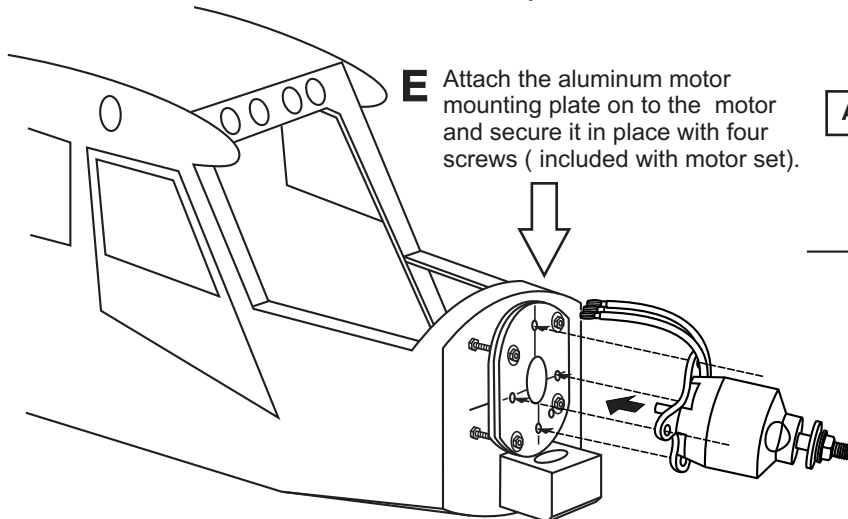
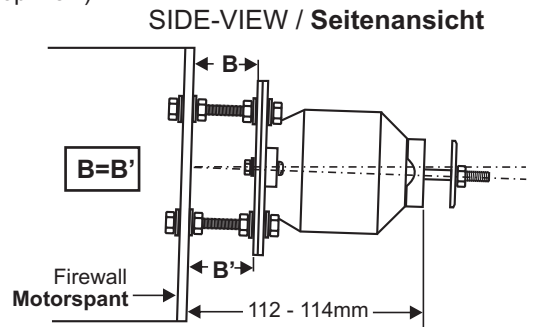
Using an aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled (2).
 Remove the aluminum motor mounting plate and drill a 1/8" (3mm) hole through the plywood at each of the four marks marked.
 Note: The aluminum motor mounting included with electric motor set.



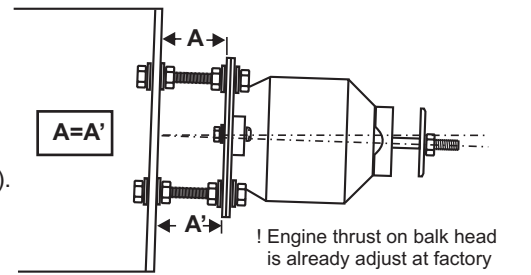
C Using a plywood motor mounting plate as a template, mark the fire wall where the four holes are to be drilled.
 Remove the plywood motor mounting plate and drill a 13/64" (5mm) hole through the fire-wall at each of the four marks marked above.



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 5mm nuts and washers (6).
 Note: B=B' (Side-view) and A=A' (Top-view)



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

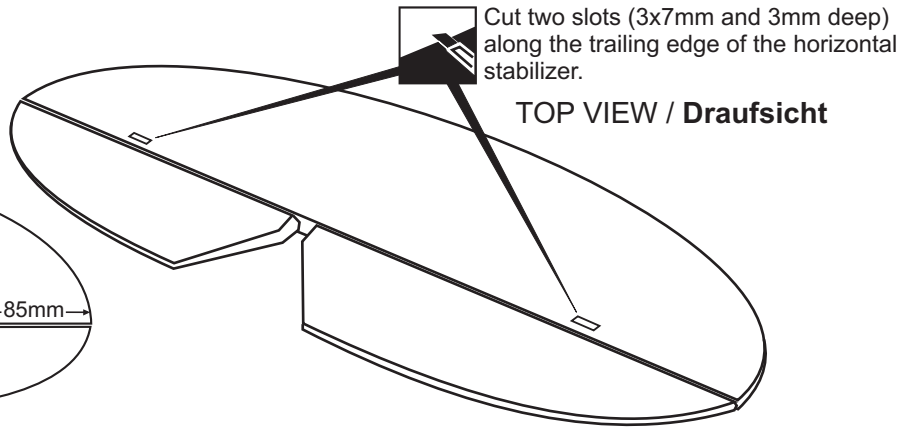
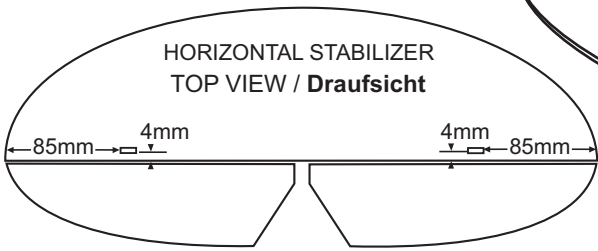


5x35 screw	5mm washer
X4	X16
5mm nut	
X12	

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

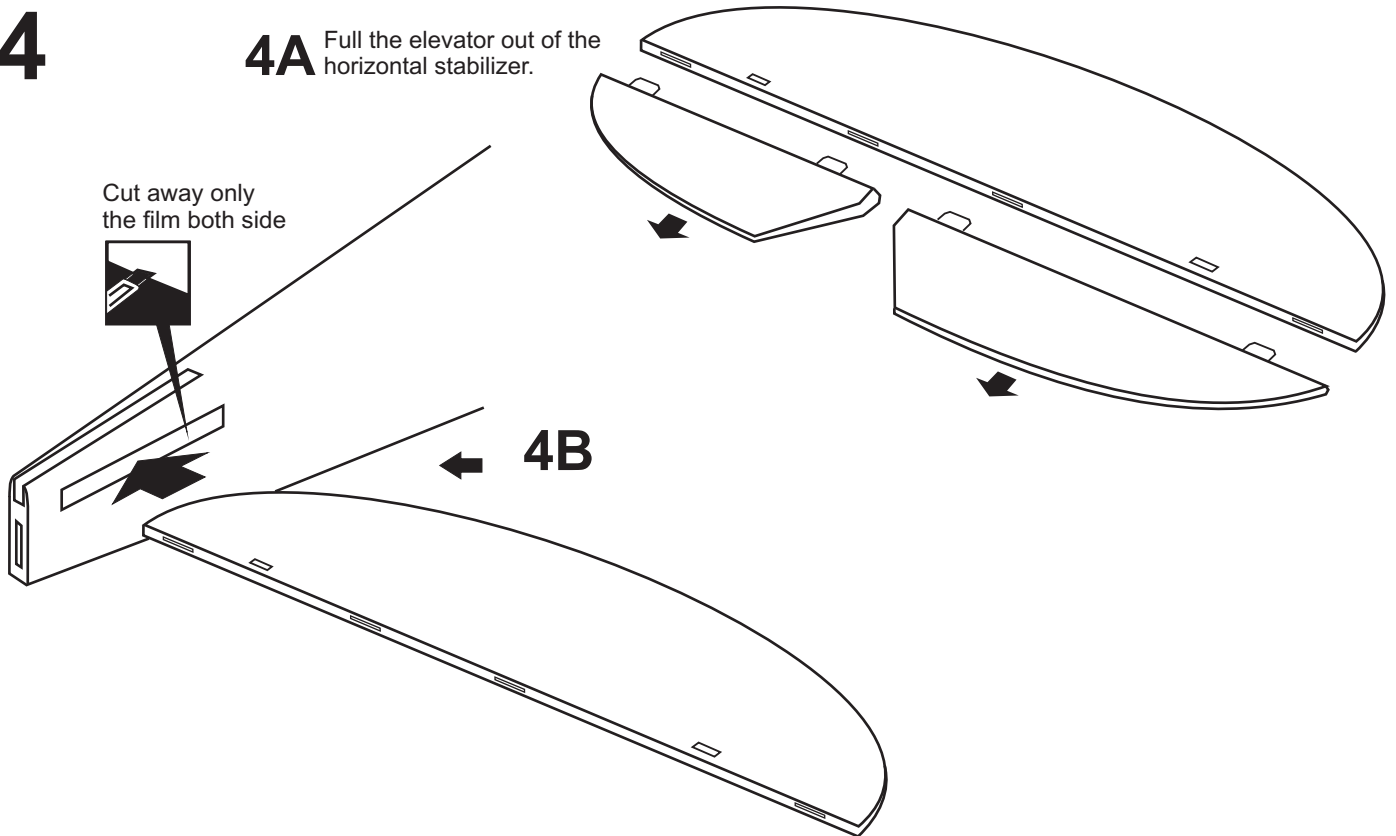
3



4

4A

Full the elevator out of the horizontal stabilizer.

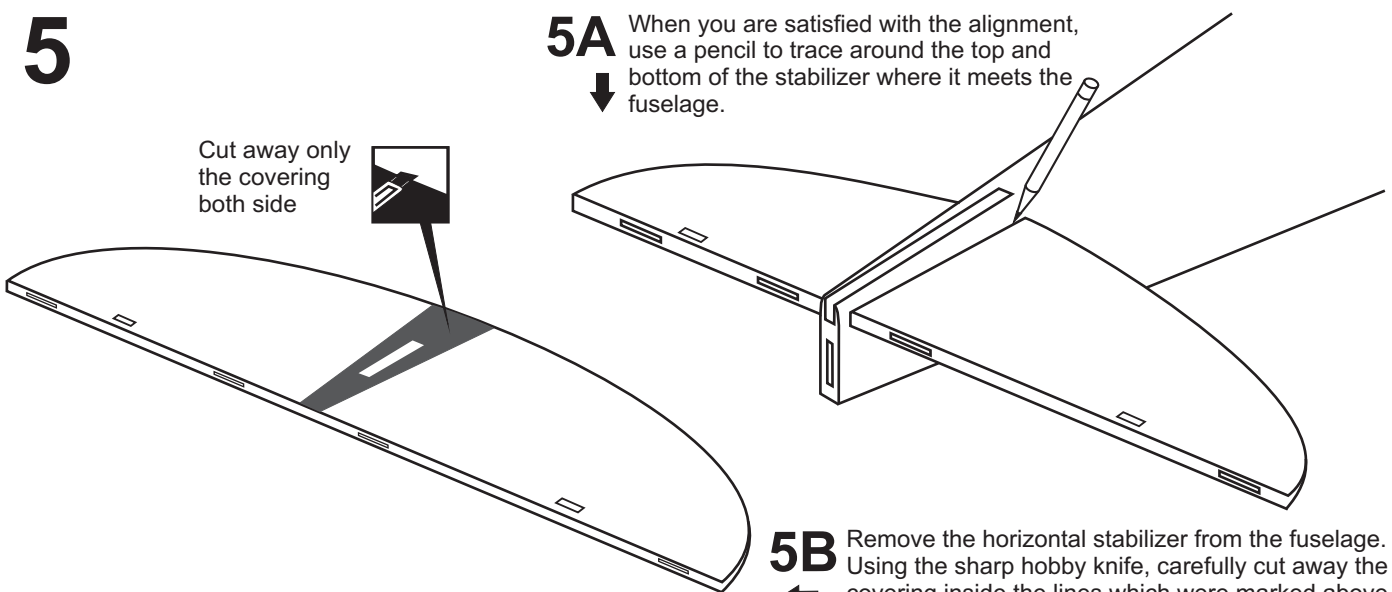


5

5A

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.

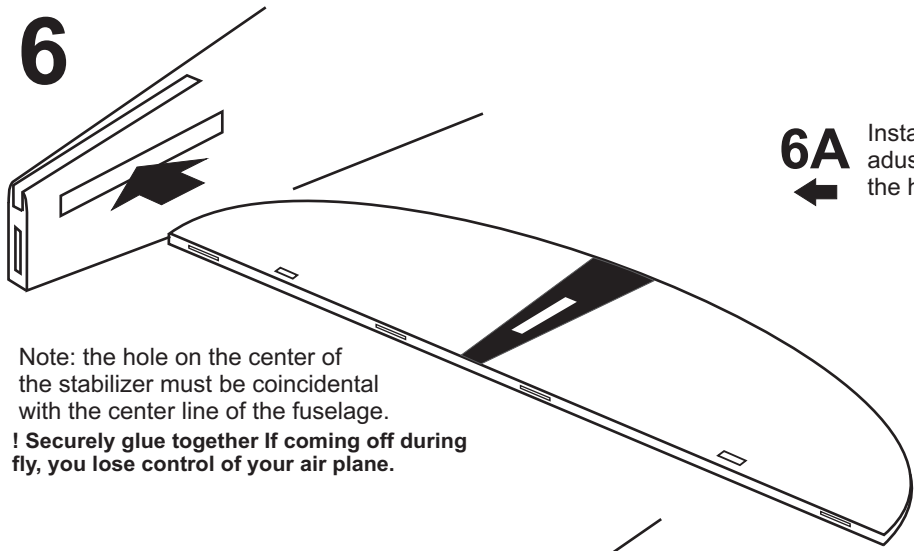
Cut away only the covering both side



5B Remove the horizontal stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above.

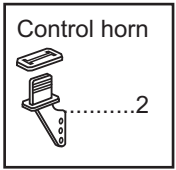
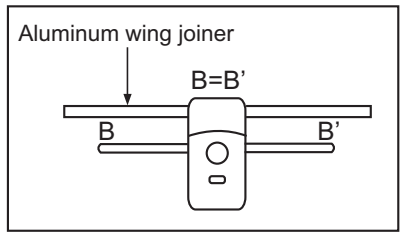
* **WARNING:** When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.

6

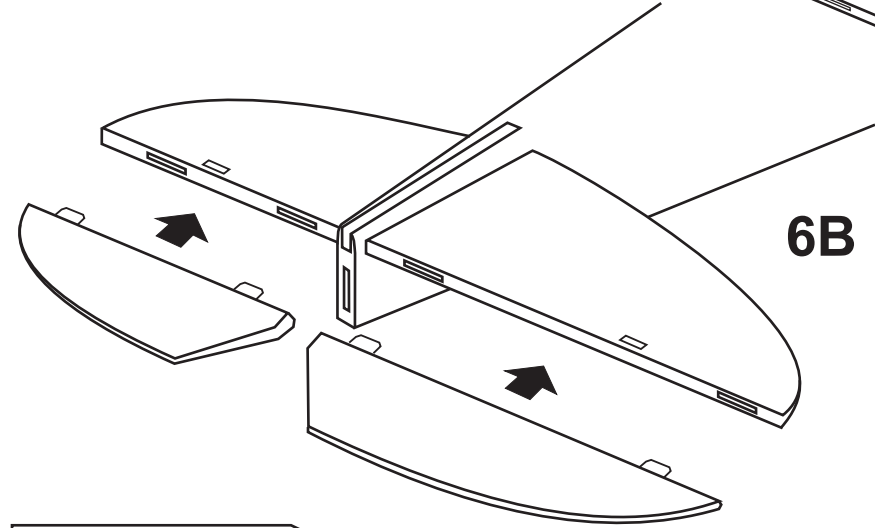
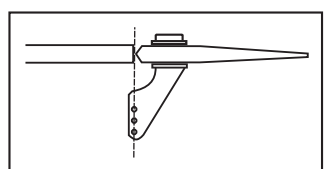


Note: the hole on the center of the stabilizer must be coincidental with the center line of the fuselage.
! Securely glue together If coming off during fly, you lose control of your air plane.

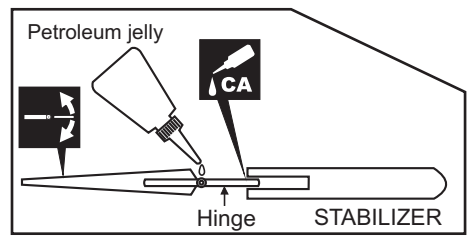
6A Install the horizontal stabilizer into the fuselage and adjust the alignment as described in step 4B. Secure the horizontal stabilizer in place using CA glue.



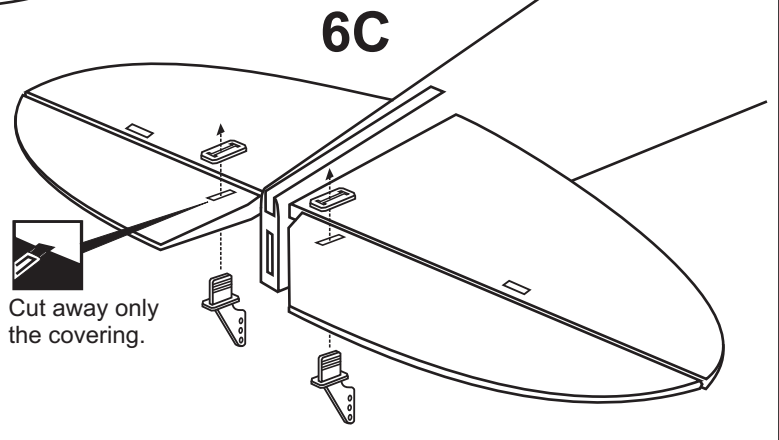
Note: The slots for the control horn installation are pre-cut at factory.



6B

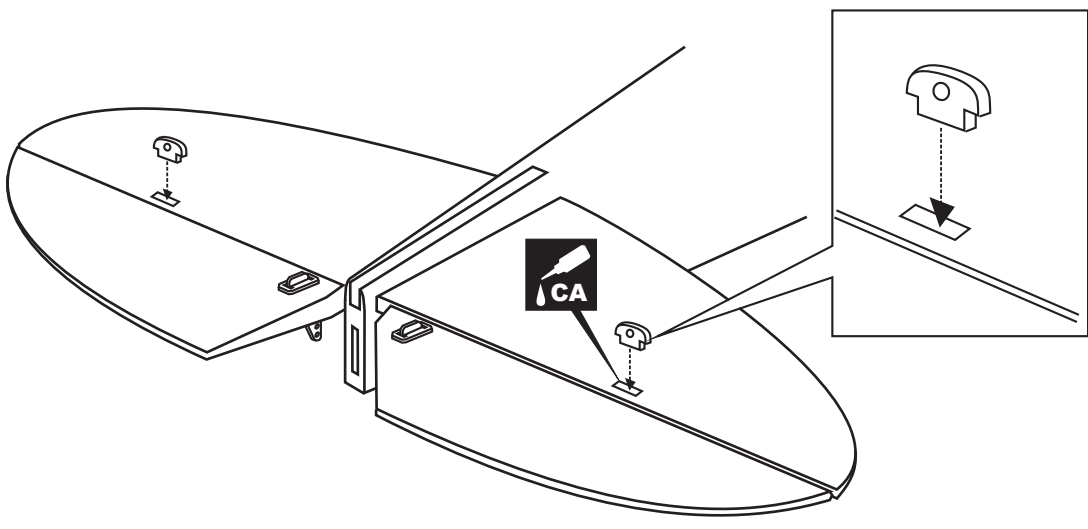


Apply a thin layer of machine oil or petroleum jelly to only the pivot point of the hinges on the elevator, then push the elevator and its hinges into the hinge slots in the trailing edge of the horizontal stabilizer. There should be a minimal hinge gap. When satisfied with the alignment, hinge the elevator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



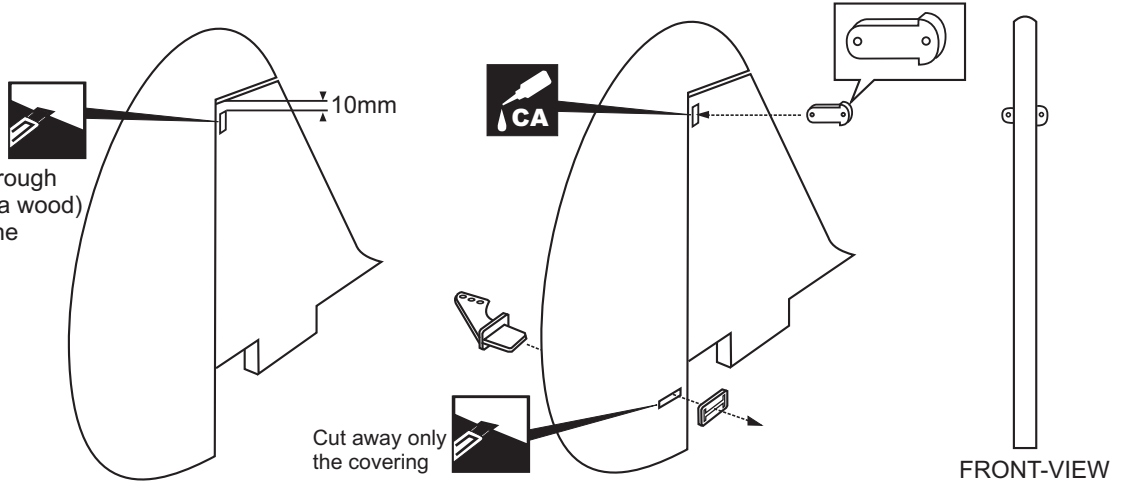
6C

7



8

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



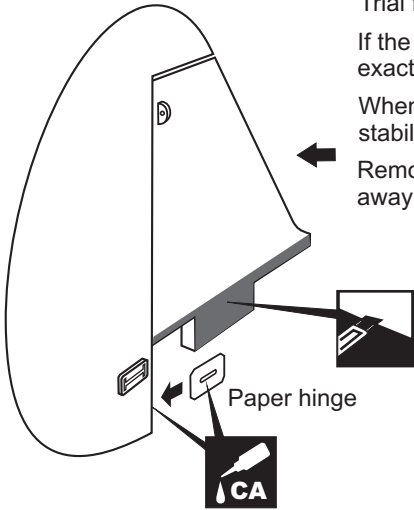
Cut away only the covering

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.

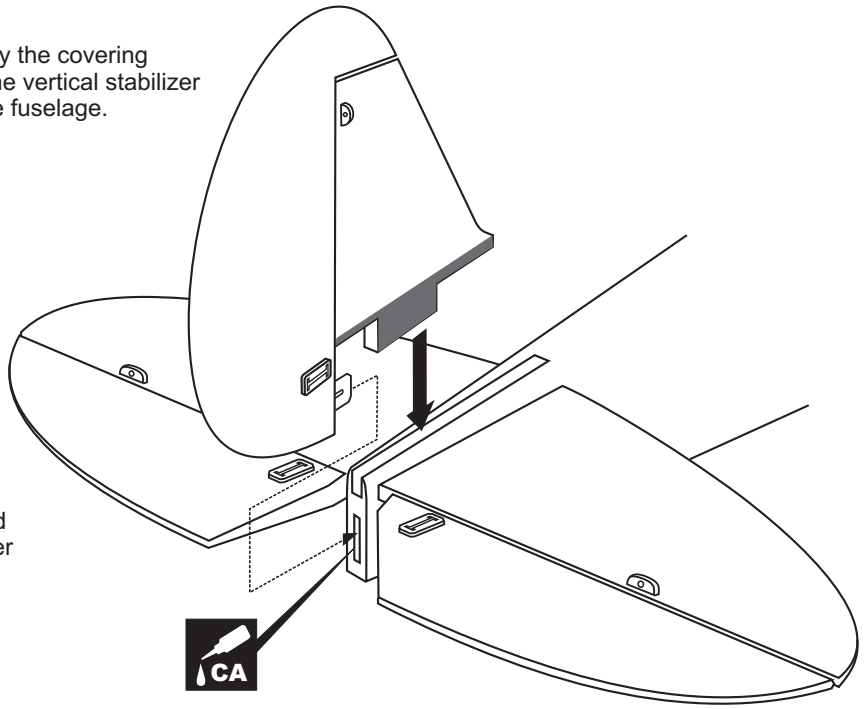
When you are satisfied with the alignment, use a pencil to trace around the left and right of the stabilizer where it meets the fuselage.

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



Cut away the covering where the vertical stabilizer meet the fuselage.

Paper hinge



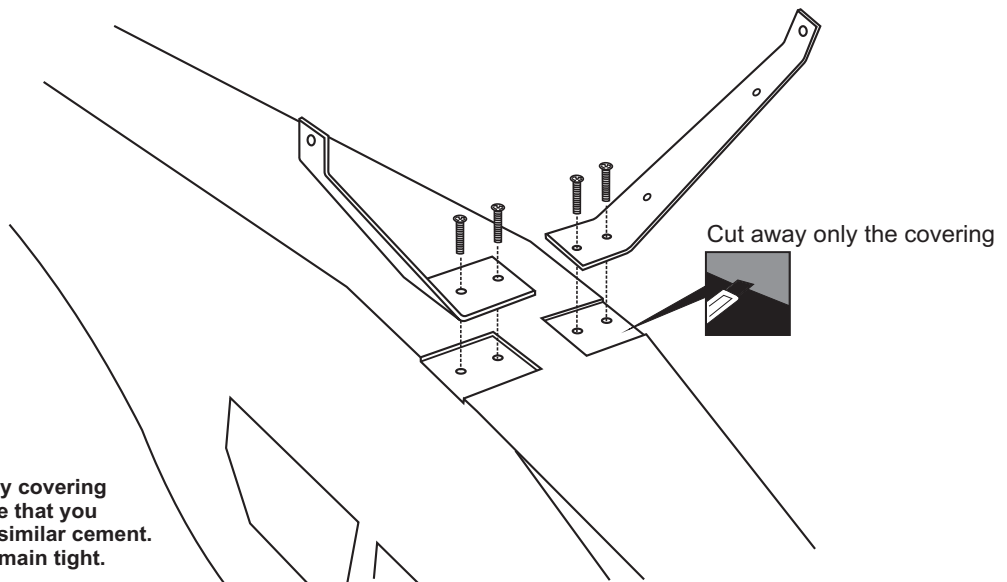
Install the vertical stabilizer into the fuselage and adust the alignment. Secure the vertical stabilizer in place using CA glue.

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



9

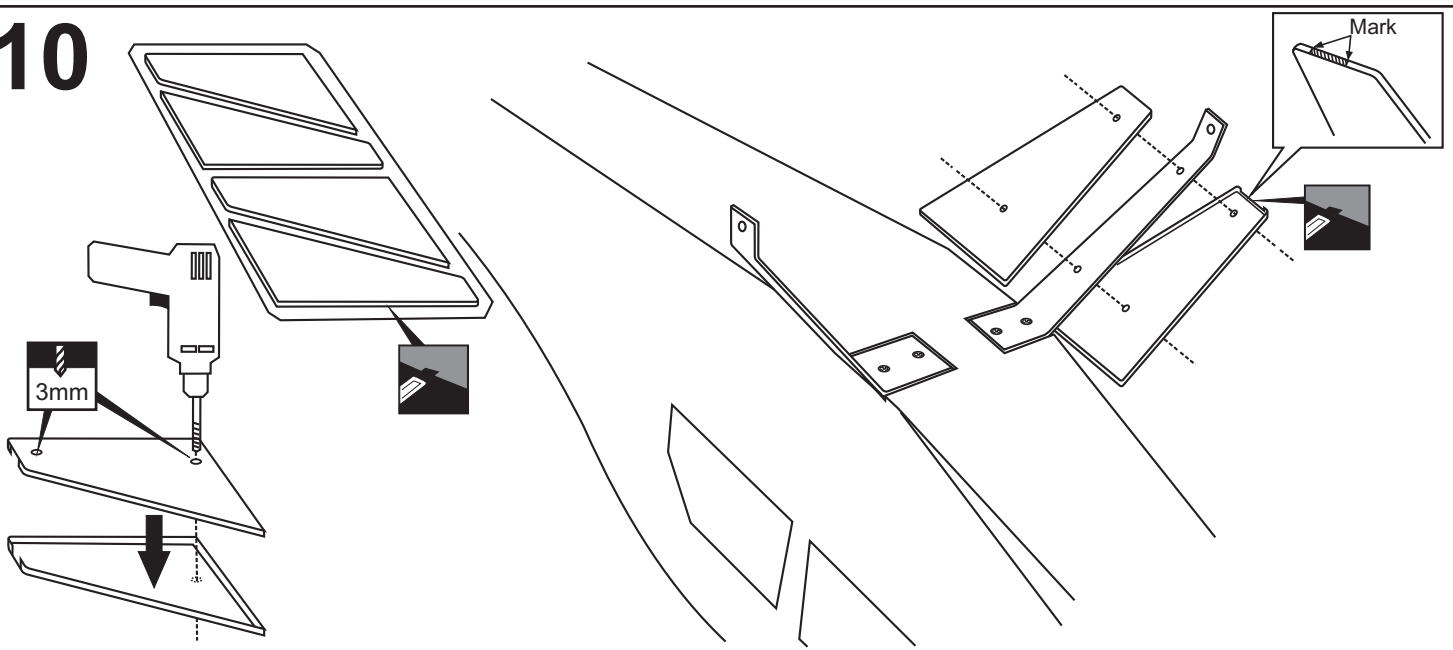
4X20mm screw



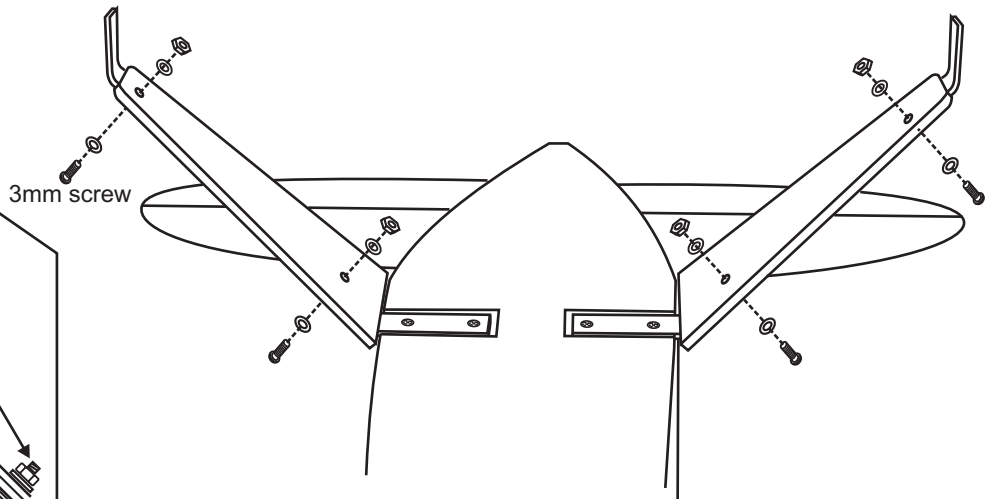
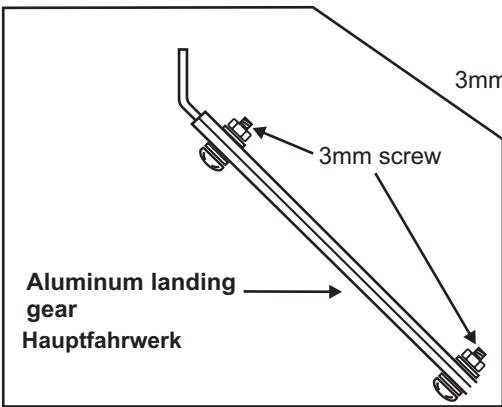
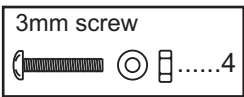
Cut away only the covering

*** 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.**

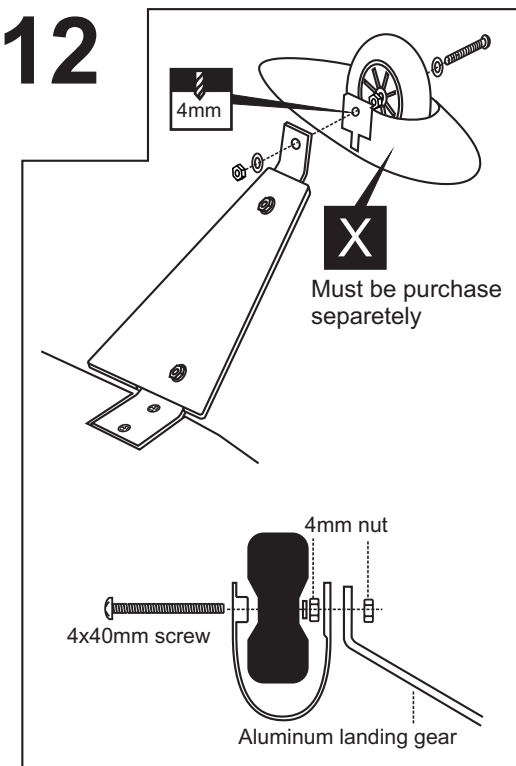
10



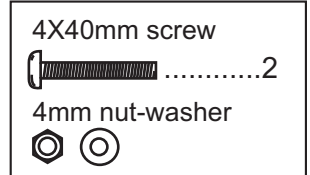
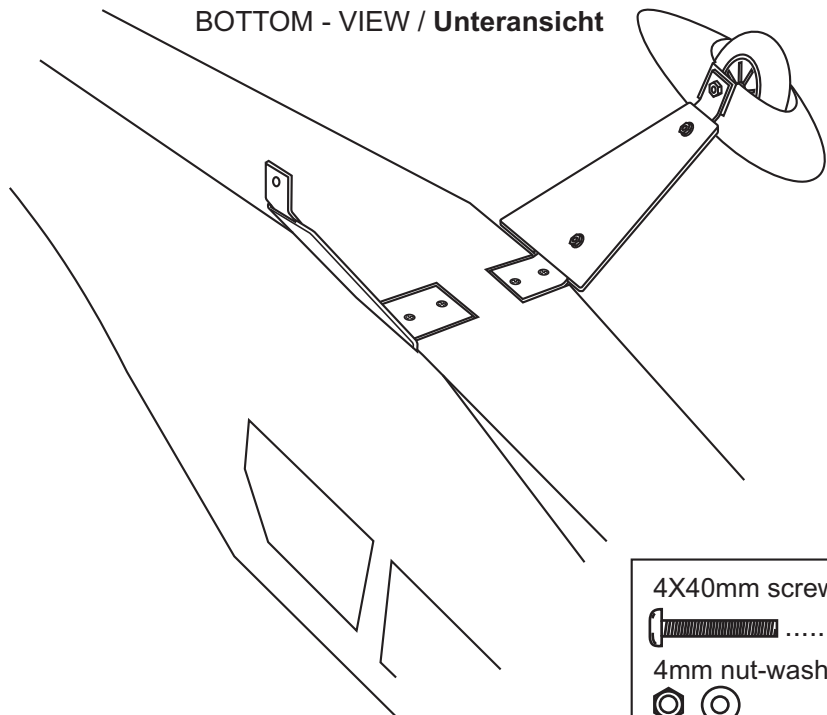
11




12

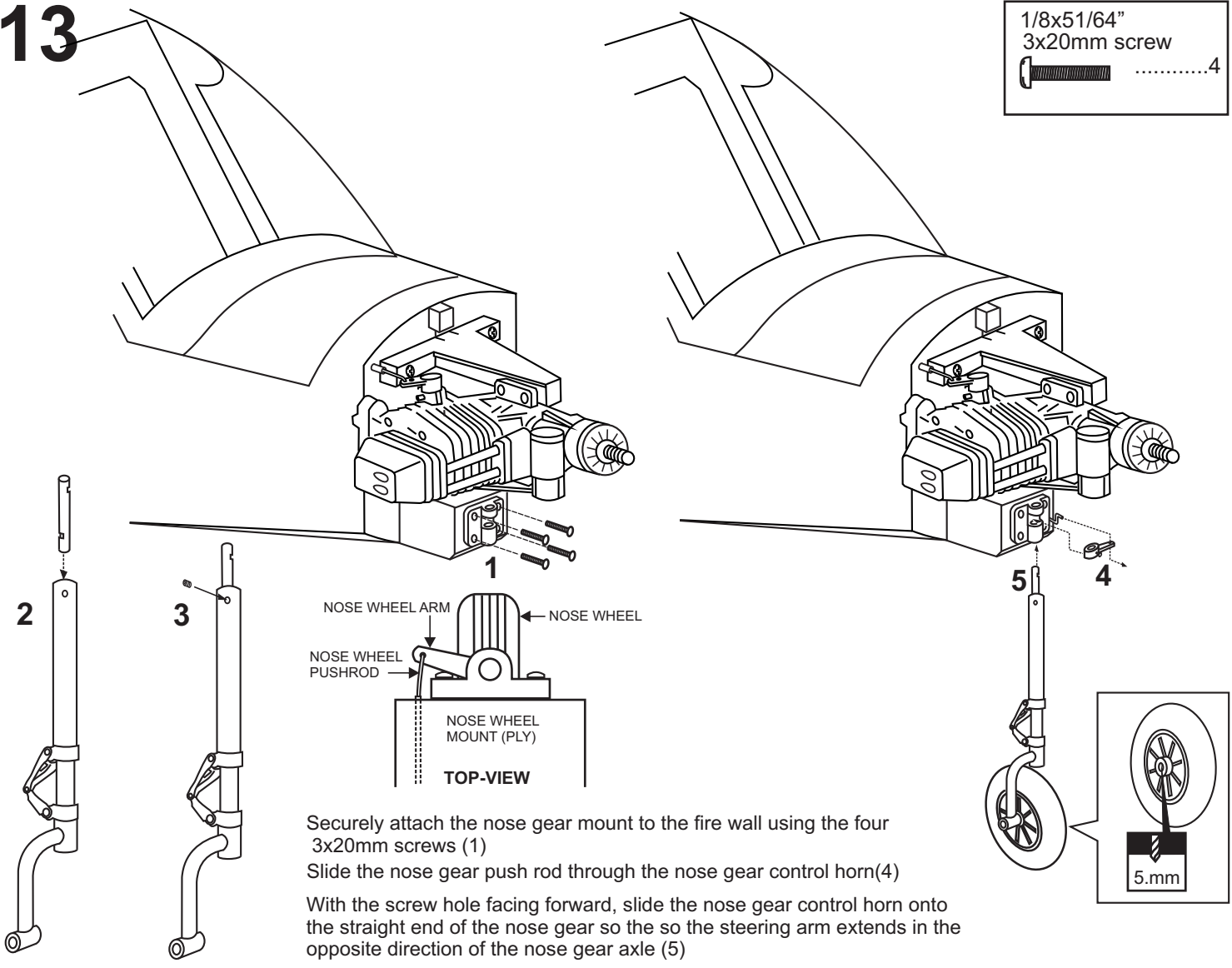


BOTTOM - VIEW / Unteransicht

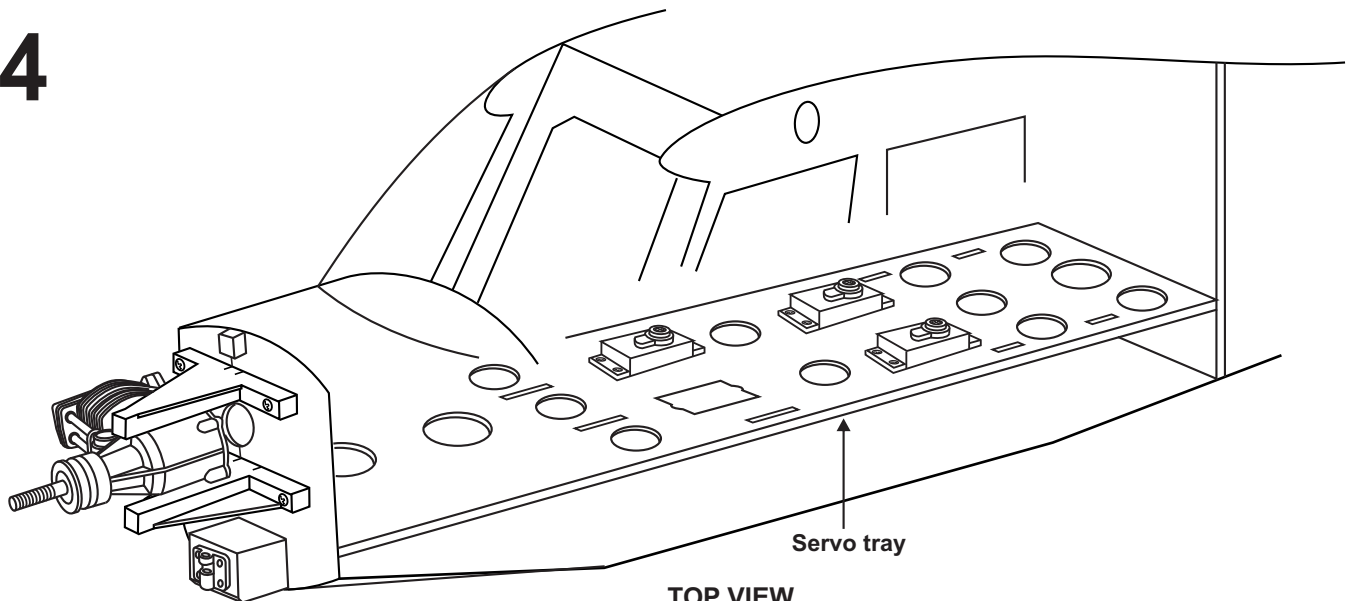


13

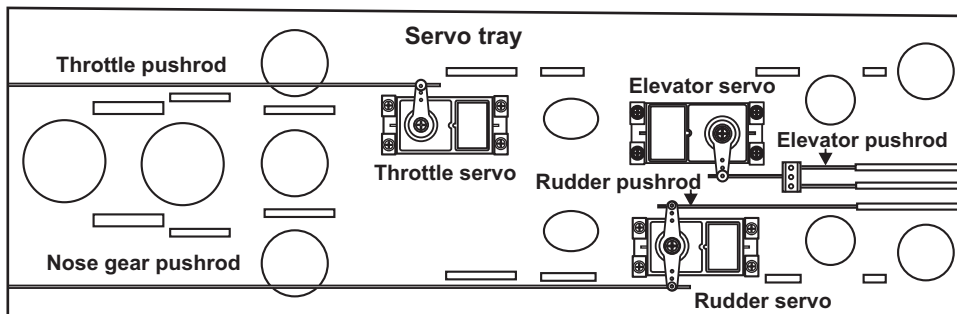
1/8x51/64"
3x20mm screw




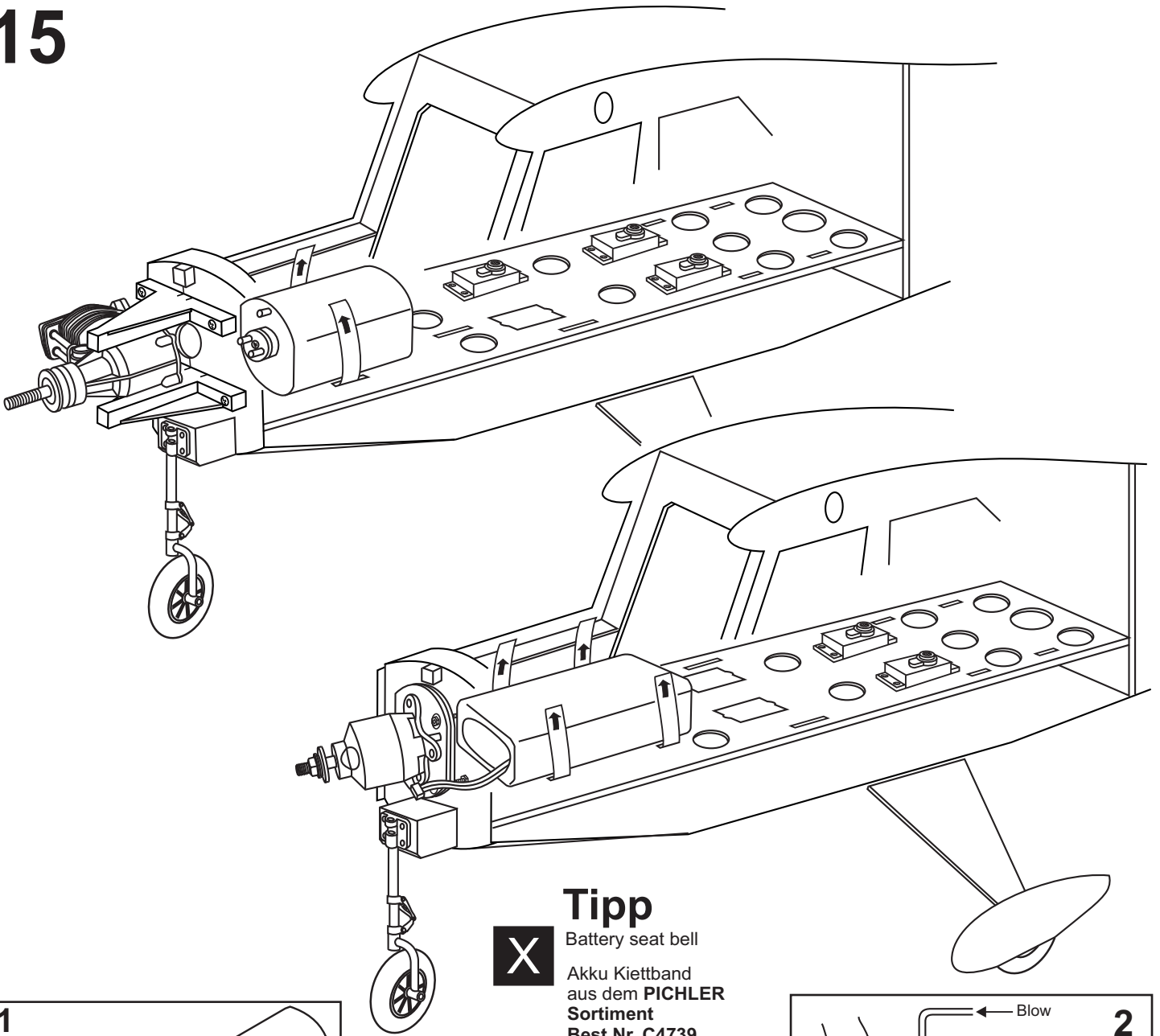
14



FRONT
←

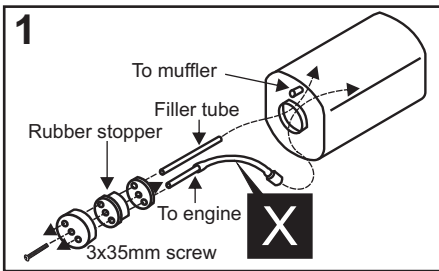


15

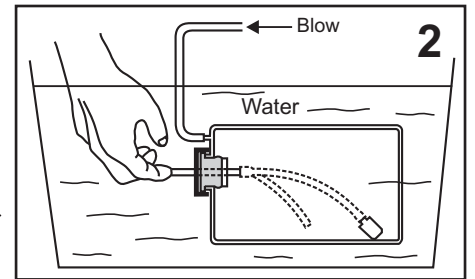


Tipp


X Battery seat bell
Akku Klettband
aus dem **PICHLER
Sortiment
Best.Nr. C4739**

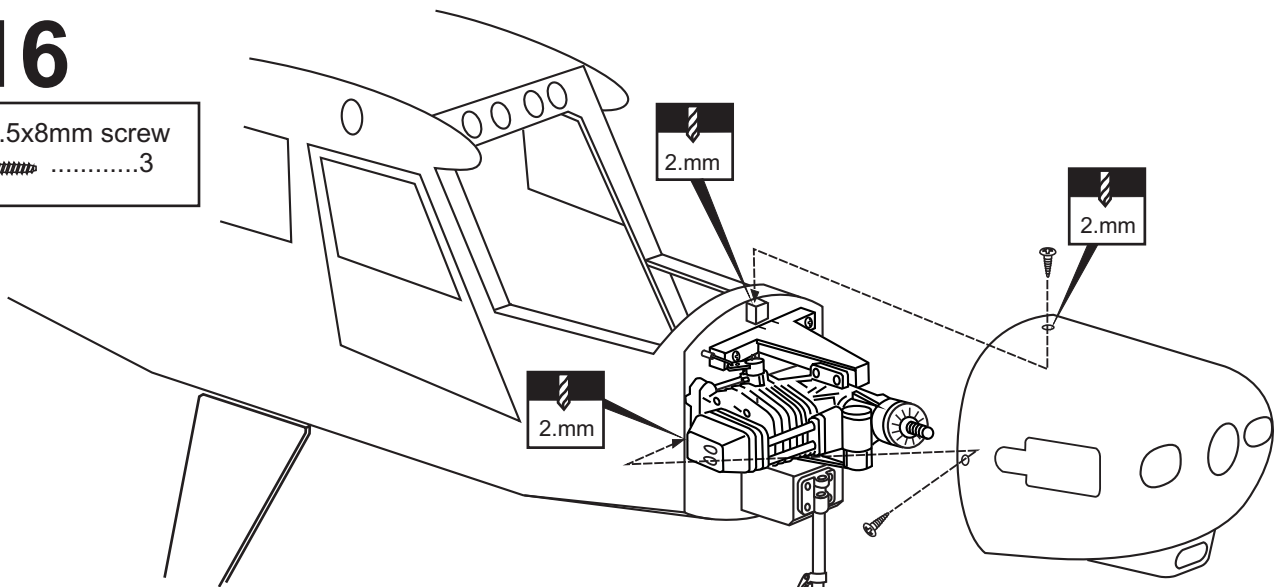


Checking for leaks - block the vents and blow into the feed - if in doubt submersing the tank in a blow of water will show up any problems. ▶



16

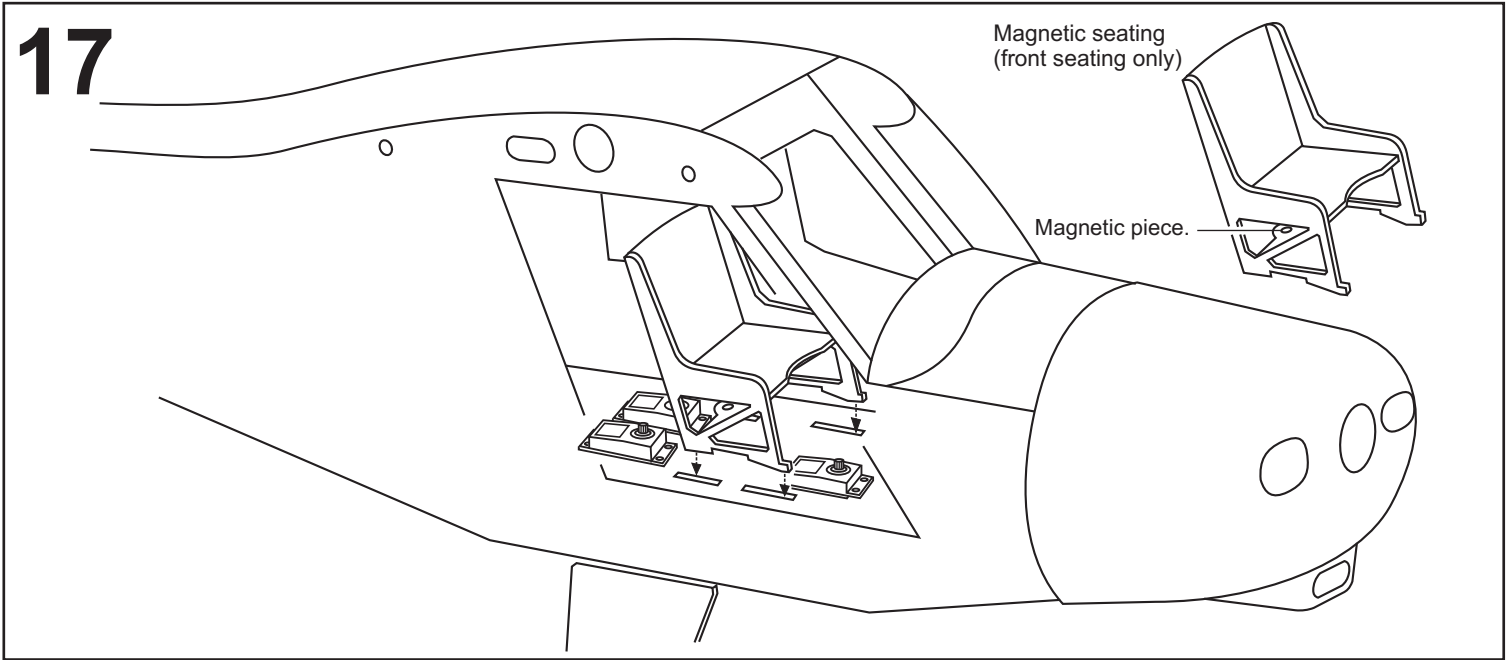
2.5x8mm screw
3



17

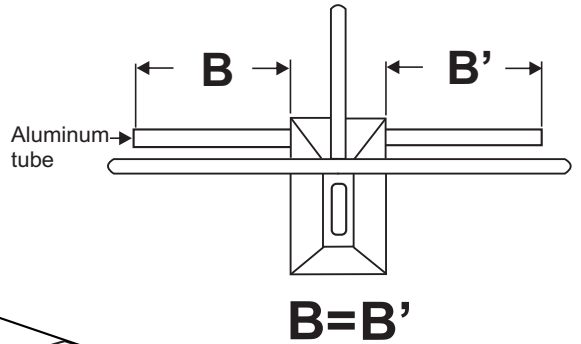
Magnetic seating
(front seating only)

Magnetic piece.

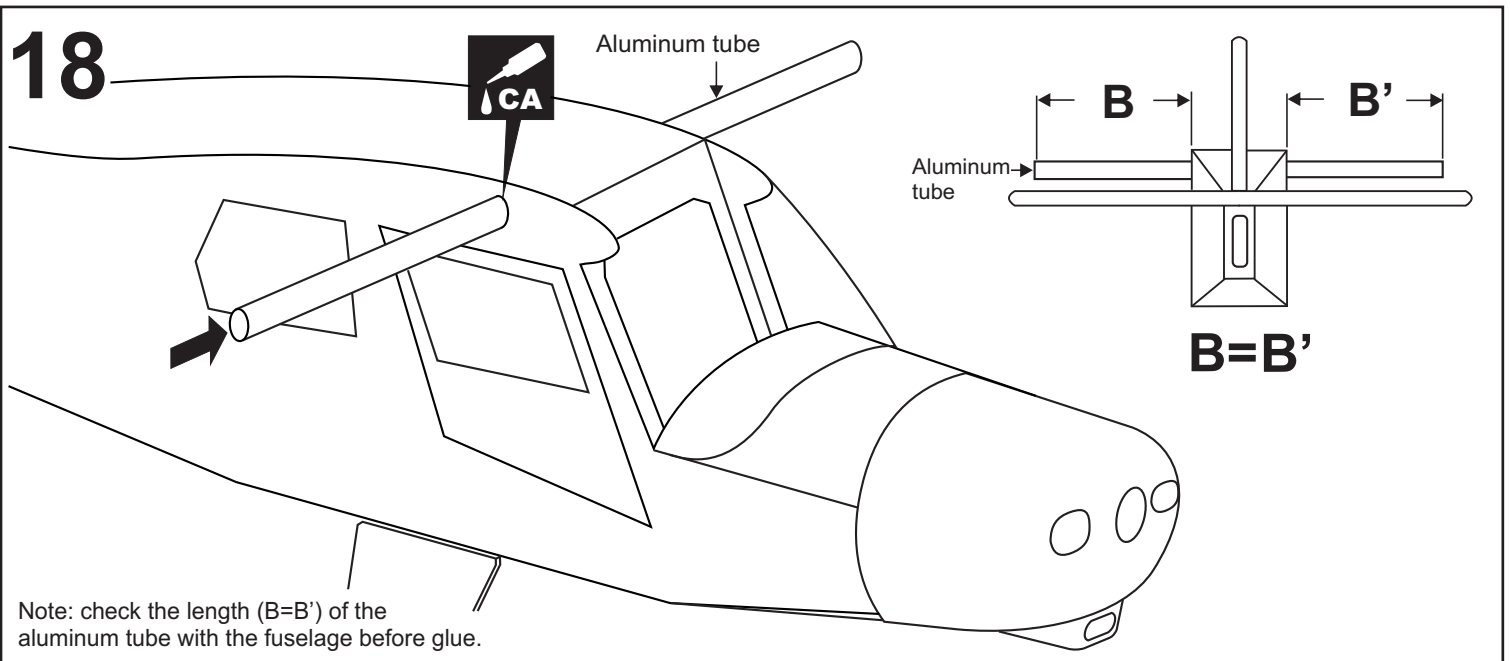


18

Aluminum tube



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



19

Aileron extension cord



Trial fit the control horn into the slot.
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.

Aileron pushrod
1.2mm Ø Alenk-Gestänge



Cut here for standard servo

L/R

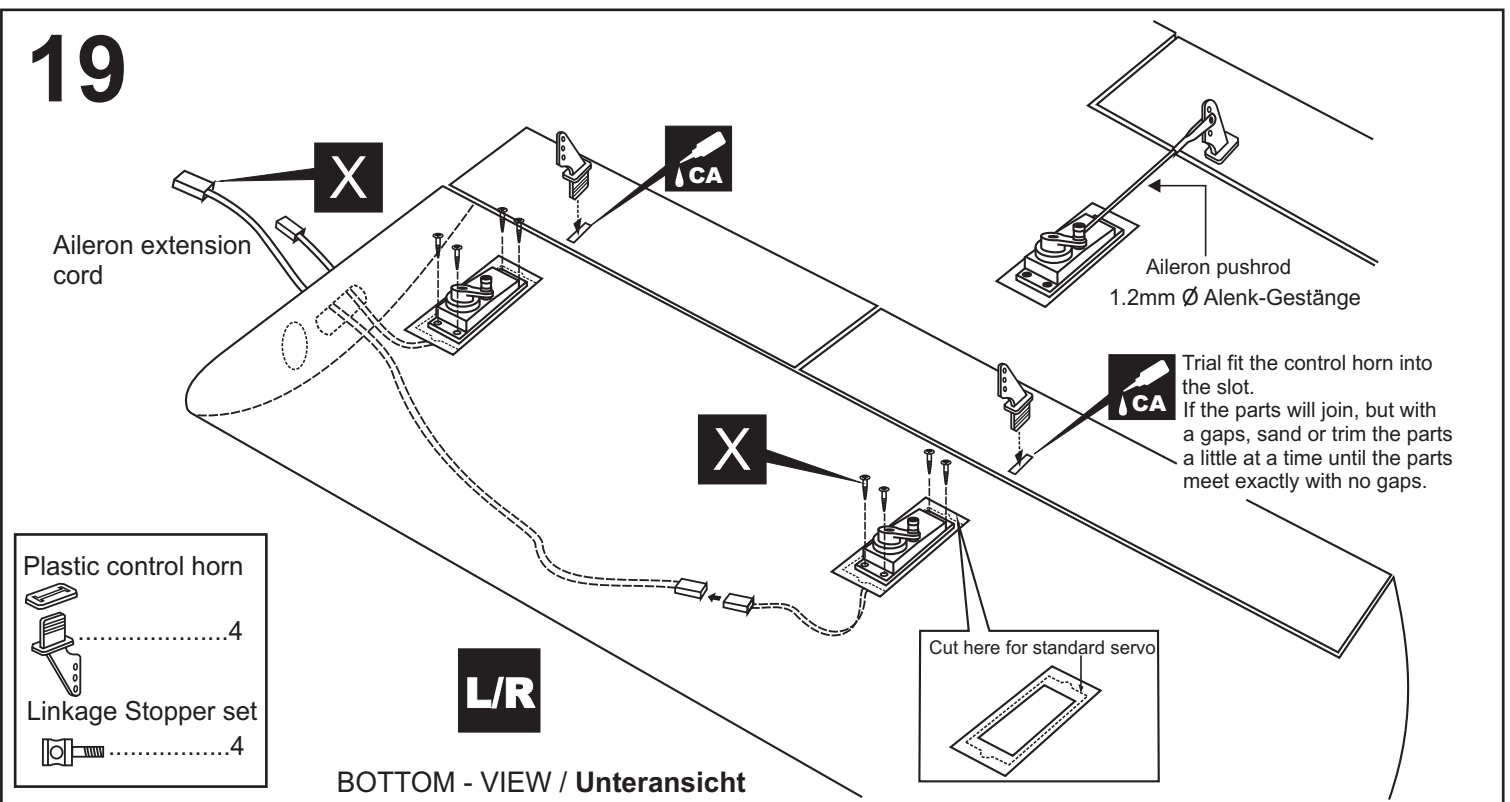
Plastic control horn



Linkage Stopper set

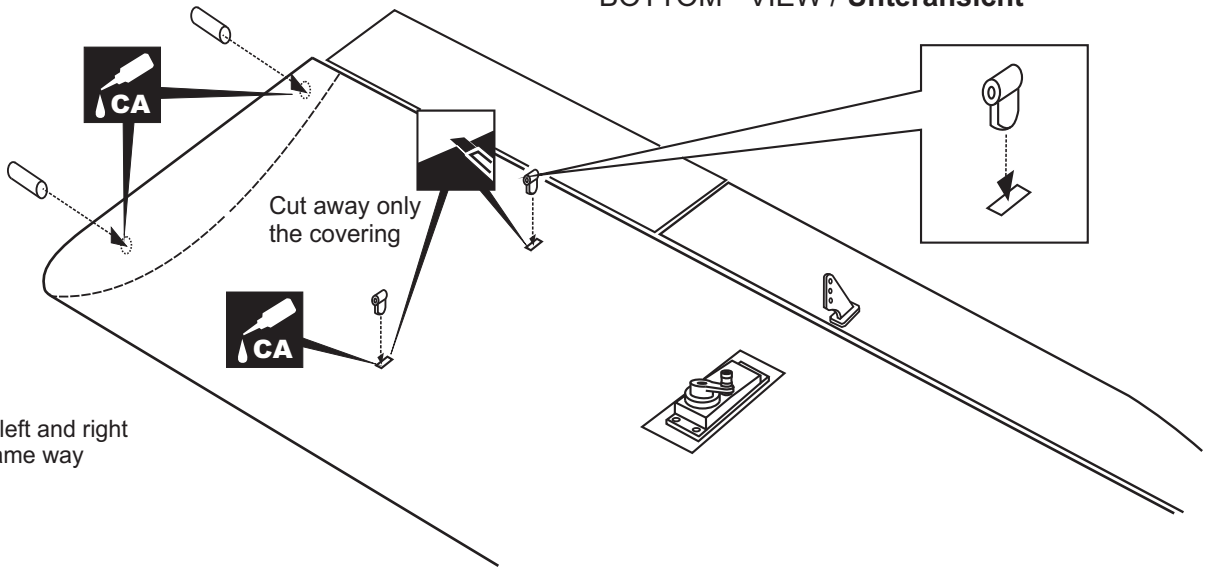


BOTTOM - VIEW / **Unteransicht**



20

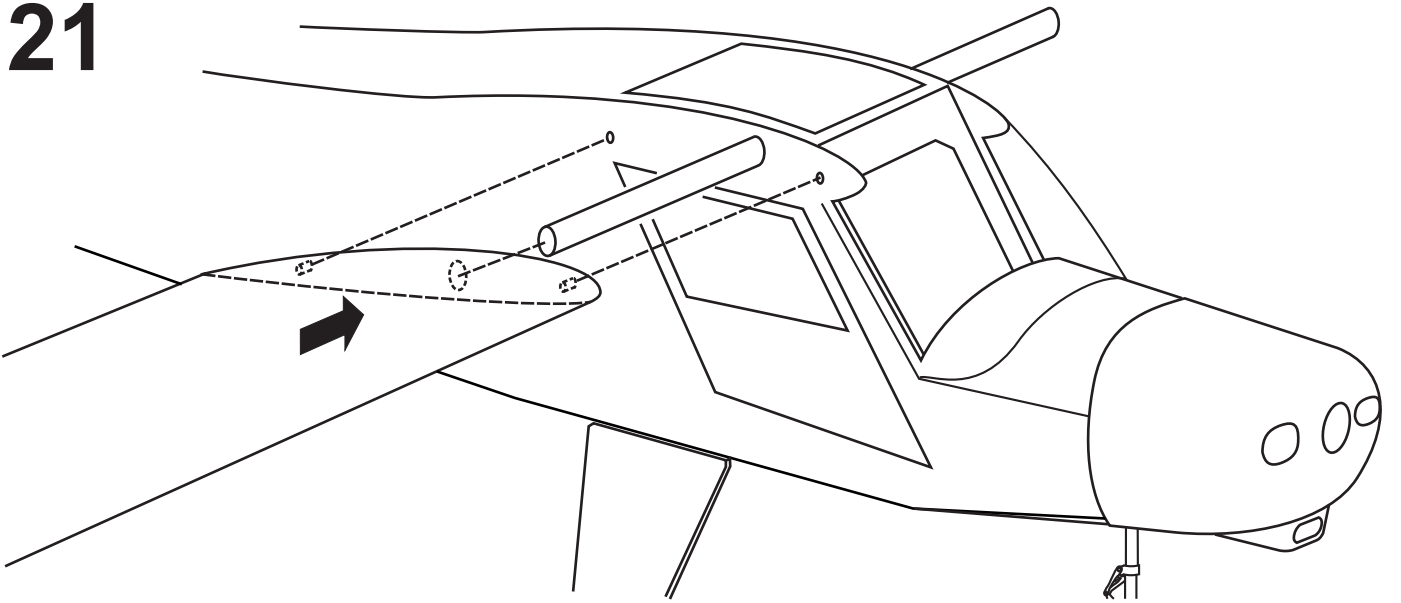
BOTTOM - VIEW / Unteransicht



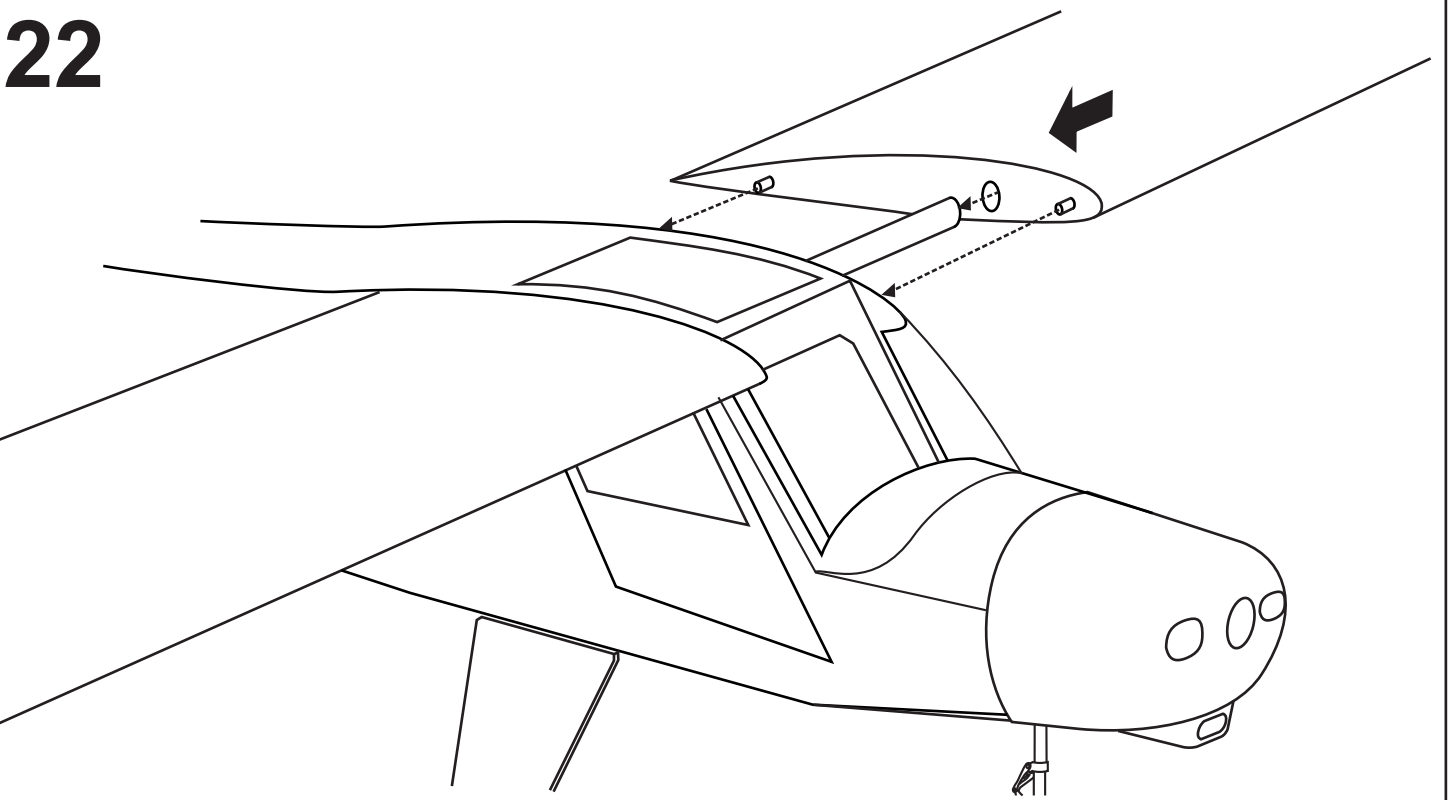
L/R

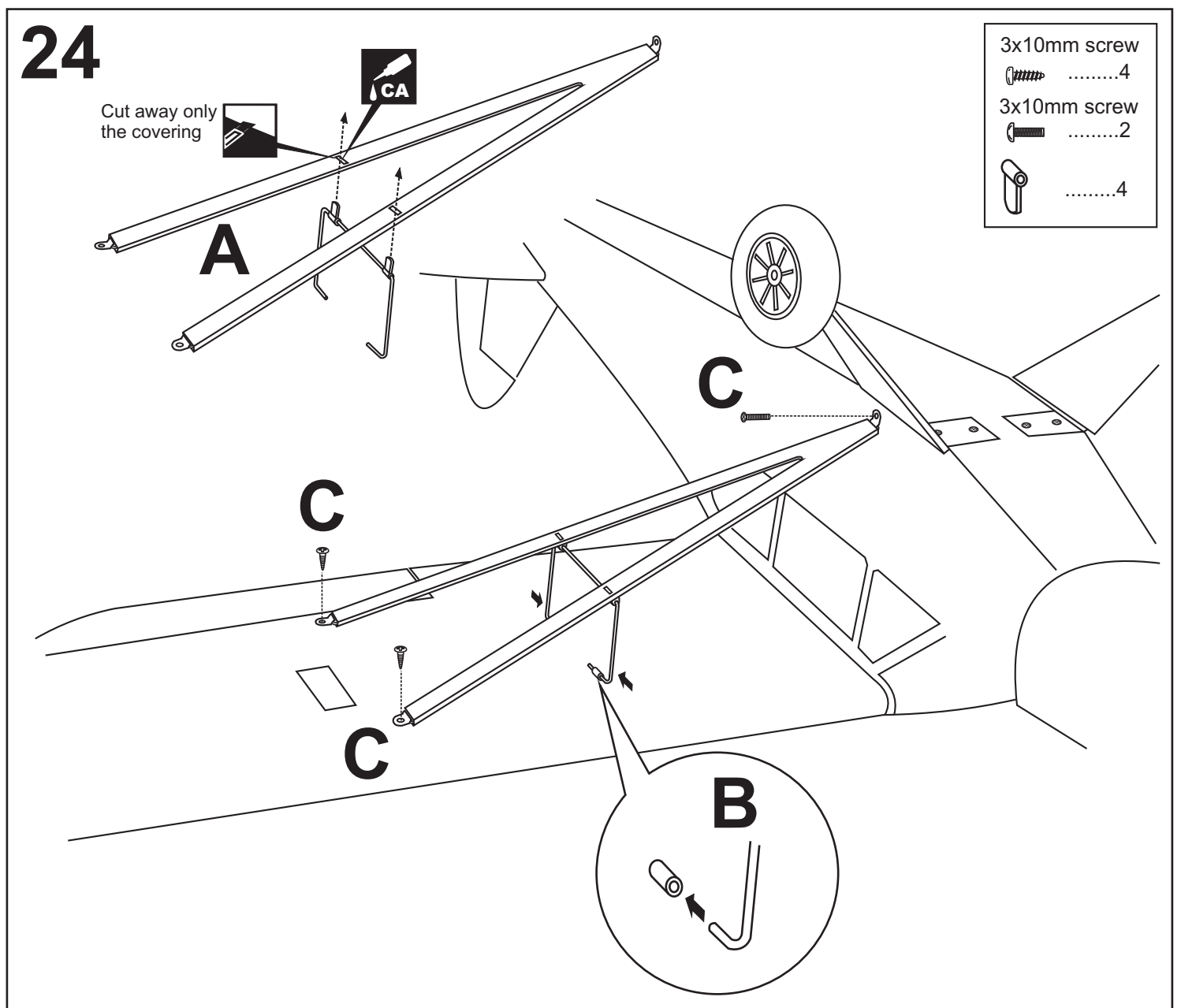
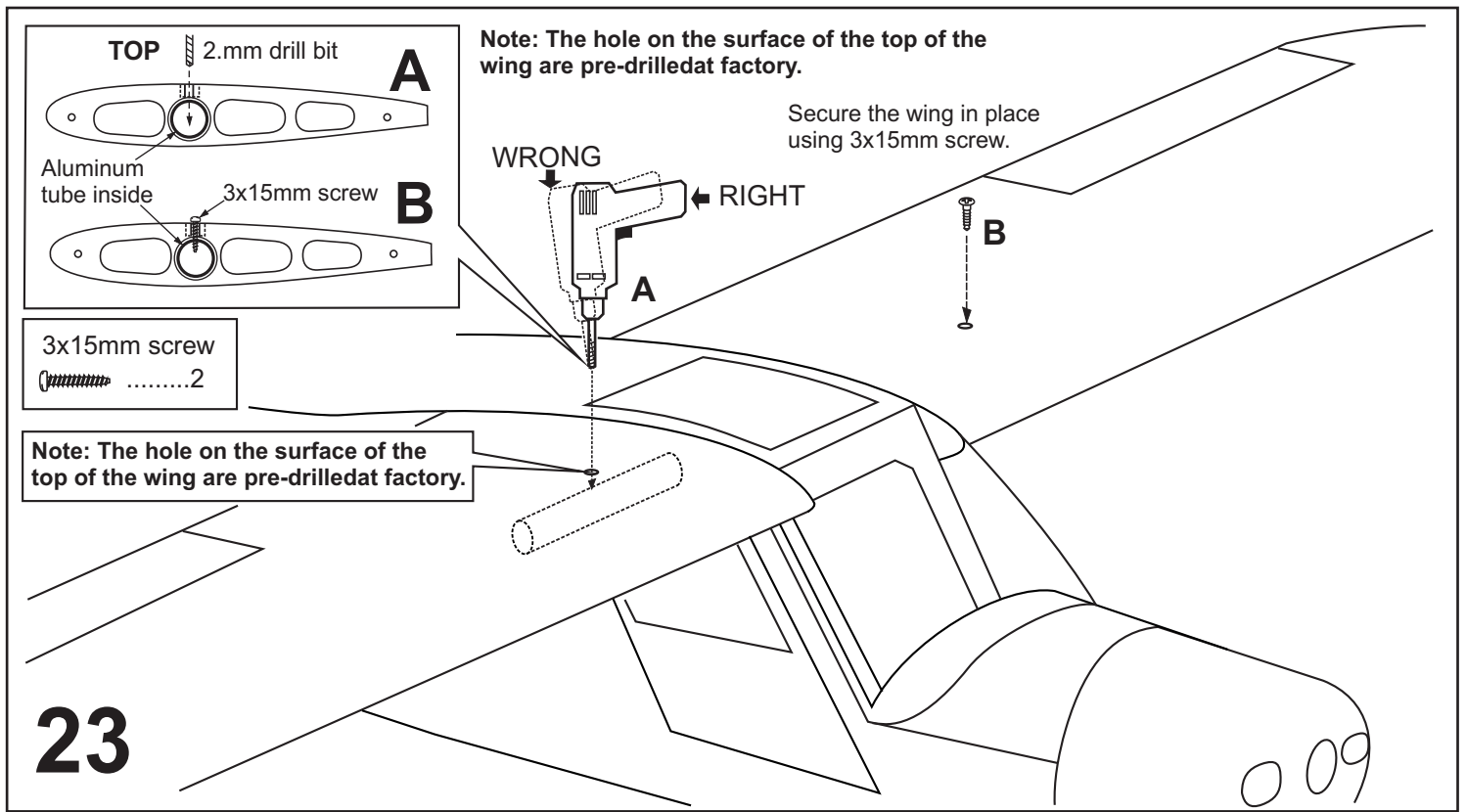
Assemble left and right side the same way

21



22





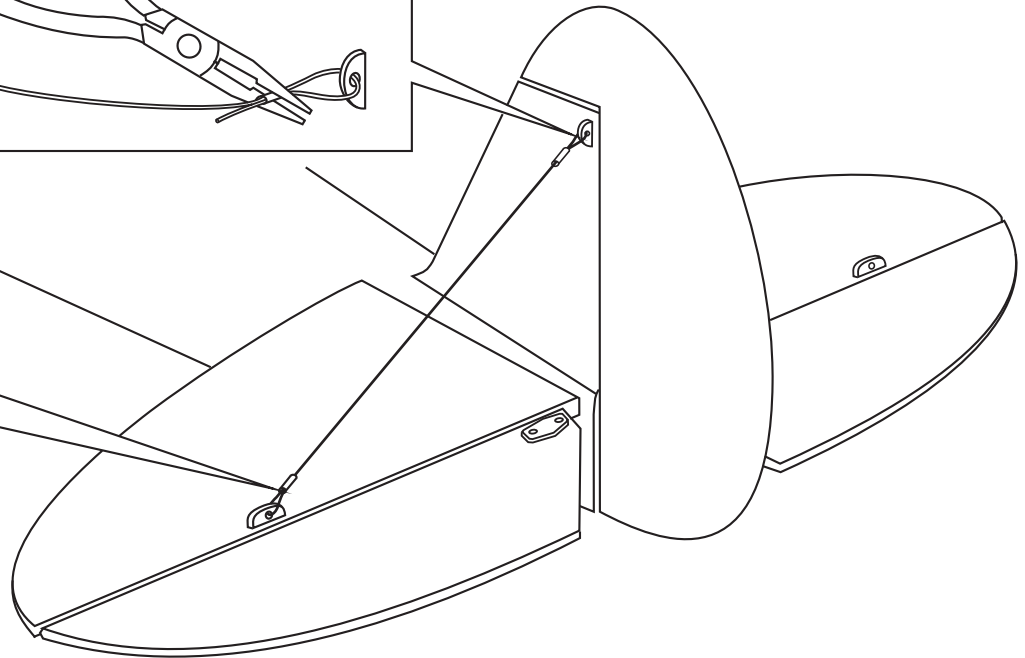
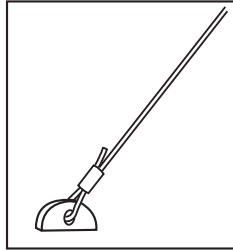
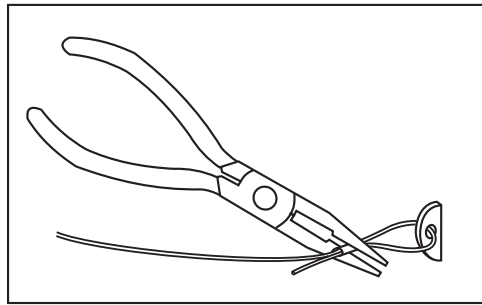
25

0.5mm dia. Cable

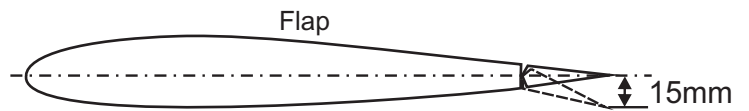
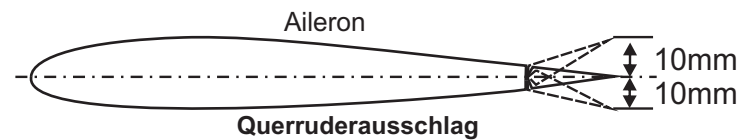
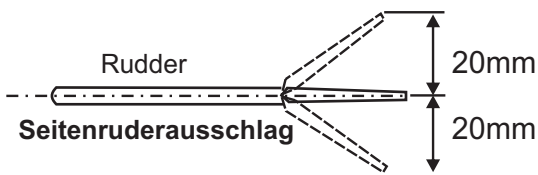
...1 roll

2mm metal tube

.....4



26



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 !