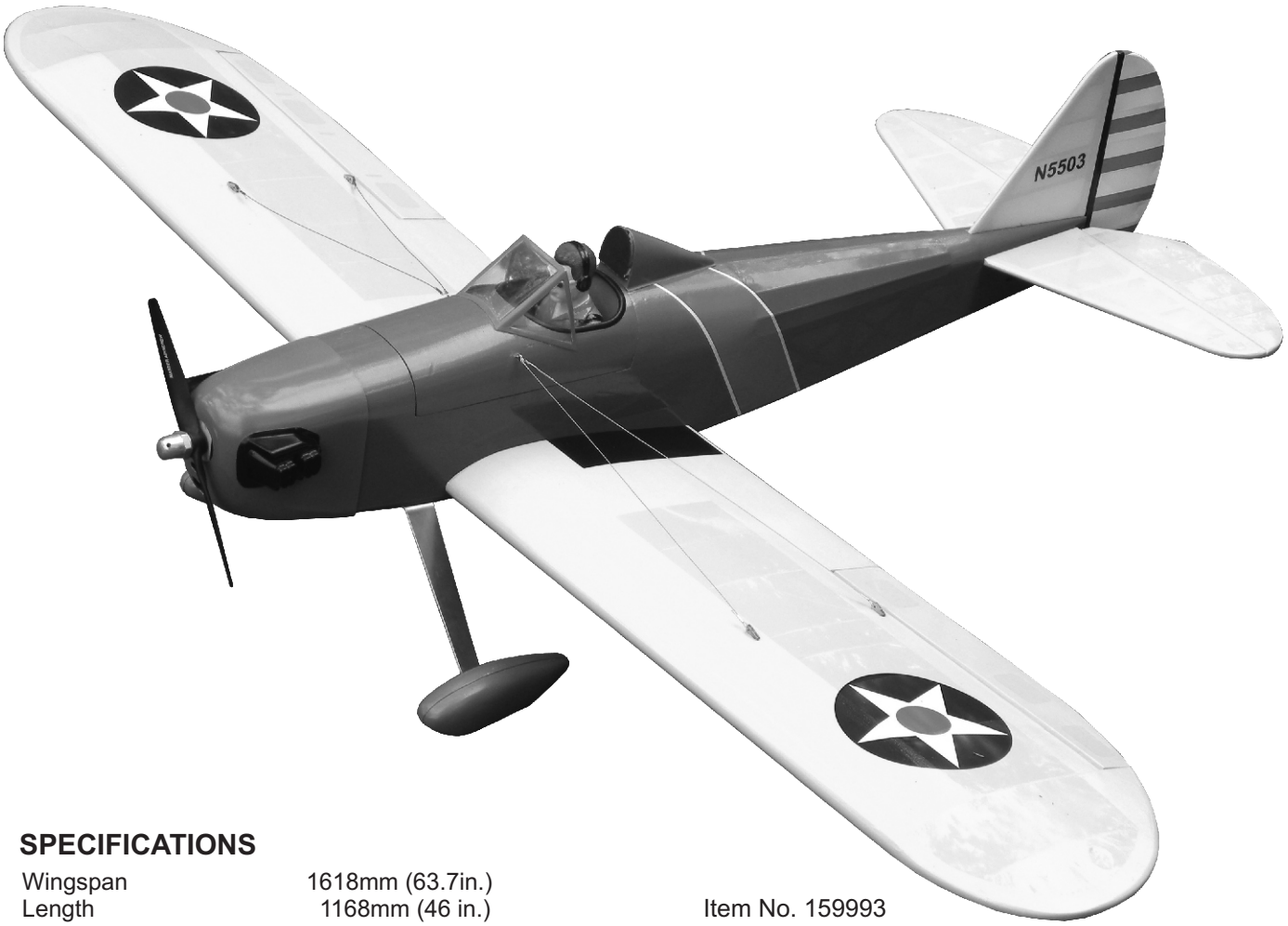
Radio control model
R/C Flugmodell

FLY BABY

INSTRUCTION MANUAL
MONTAGEANLEITUNG

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



SPECIFICATIONS

Wingspan	1618mm (63.7in.)
Length	1168mm (46 in.)
Electric Motor	(See next page)
Glow Engine	.46 2Stroke / .52 4-Stroke
Radio	4 Channel / 4 -6 Servos

Item No. 159993

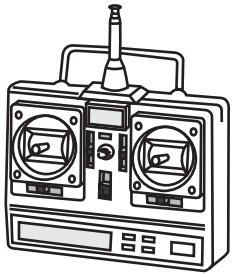
TECHNISCHE DATEN

Spannweite	1618mm
Länge	1168mm
Elektroantrieb	(siehe nächste Seite)
Verbrennerantrieb	7.5cc 2-T / 8.5cc 4-T
Fernsteuerung	4 Kanal / 4 -6 Servos

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.

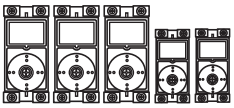
ACHTUNG! Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflugpiloten bestimmt, die ausreichende Erfahrung im Umgang mit derartigen Modellen besitzen Bei unsachgemäßer Verwendung kann hoher Personen- und/oder Sachschaden entstehen. Fragen Sie in einem Modellbauverein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

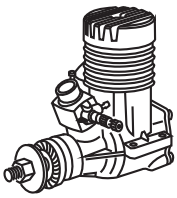


4 - channels radio (min)
If using a 5 channel radio, Y-harnesses will be required.

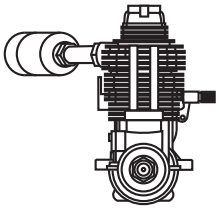
Electric Standard:
HP-MTR G-46 Power system (Motor, ESC, and battery) with 13x6 Propeller.



4 (3 if EP) standard servos and 2 mini servos



.46 two stroke
with 11x6 propeller

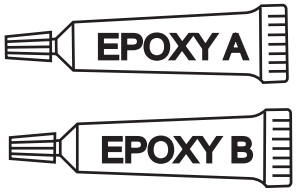


.52 four stroke
with 12x6 propeller

Extension for aileron servo and power pack

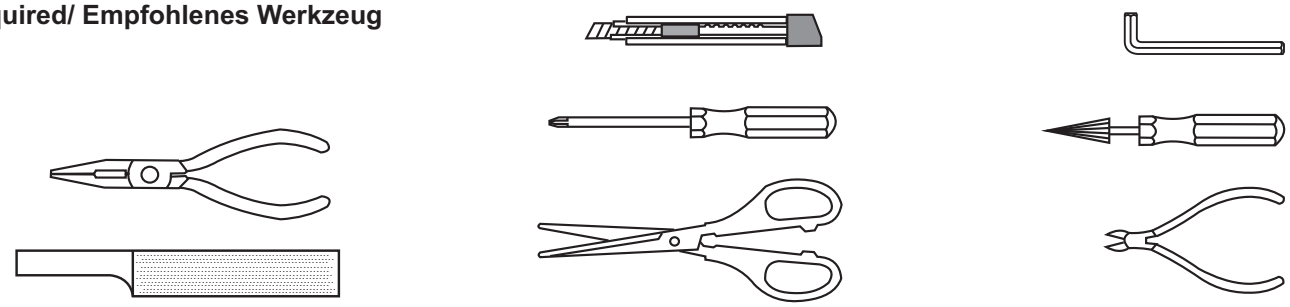
Cyanoacrylate Glue
Sekundenkleber

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”	

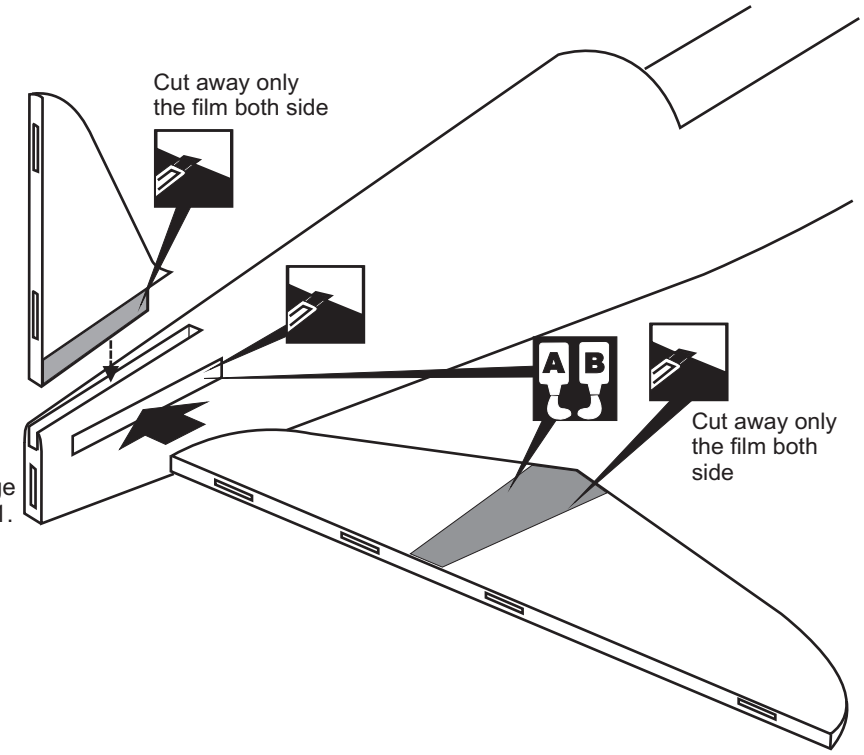
1

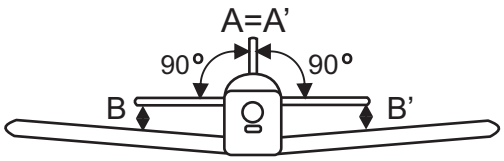
TOP VIEW / **Draufsicht**

1-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.
2-Remove the horizontal stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above, **do not cut the balsa**.
3-Spread epoxy (30 minute) onto the top and bottom of the horizontal stabilizer along the area where the covering was removed and to the fuselage where the horizontal stabilizer mounts.

4-Install the horizontal stabilizer into the fuselage and adust the alignment as described in steep 1. Allow the epoxy to cure before proceeding to next step.

Do the same way with the vertical stabilizer.

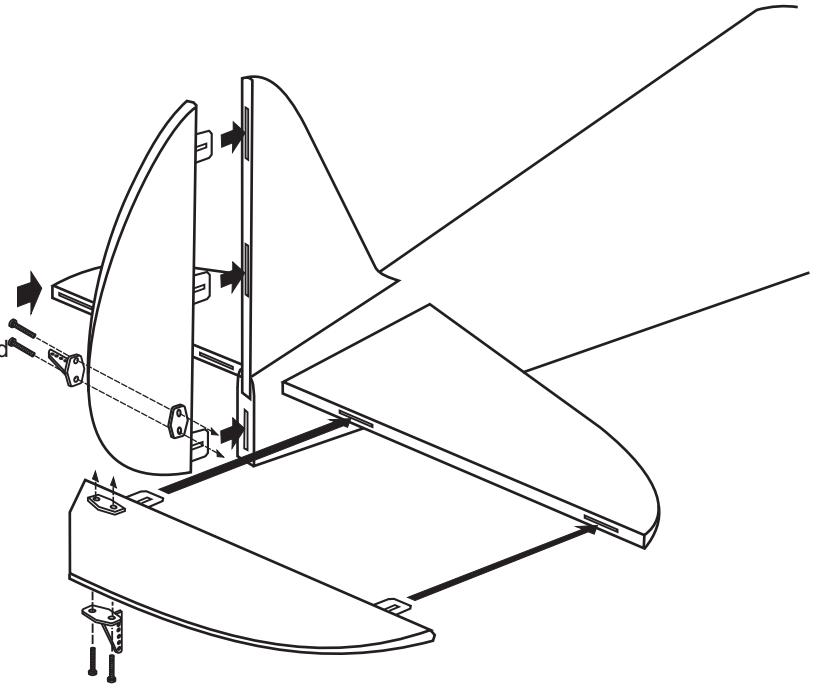


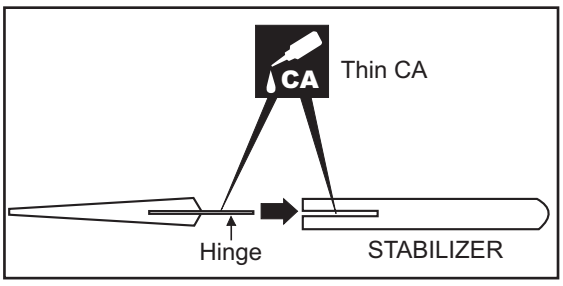


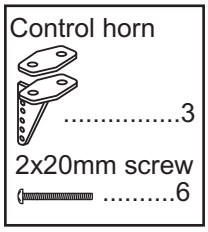
*** WARNING: When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.**

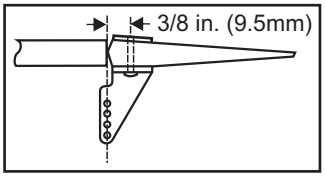
! Securely glue together If coming off during fly, you lose control of your air plane.

5-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.
6-When satisfied with the and alignment, hinge the elevator to the horizontal stabilizer using thin CA glue. Make sure to apply a thin layer of CA glue to the top and bottom of both hinges and to inside the hinge slots.
7-Repeat the previous procedures to hinge the second elevator to the other side of the horizontal stabilizer. Do the same way with the rudder.





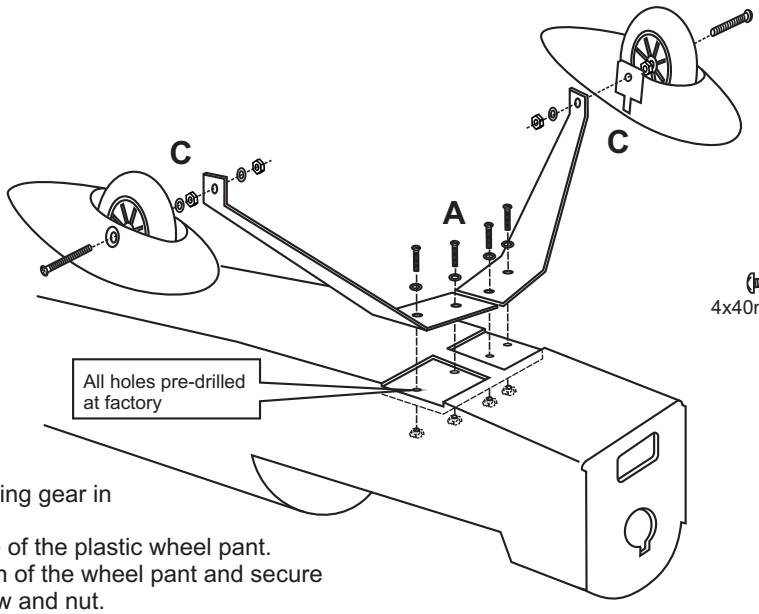


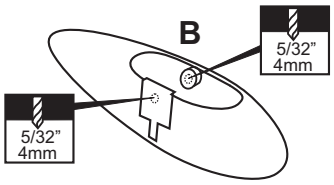


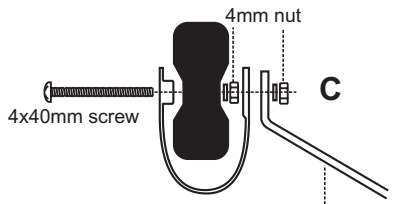
8-Depending on the position of the linkage, determine the location of the elevator control horn.
The horn holes must be perfectly aligned with the axis of articulation.
9-Mark the position of the "foot" of the horn on the elevator.
10-Remove the control horn and drill two 5/64" holes through the elevator.
11-Attach the elevator control horn using 2x20mm screw.
Do the same way with second wing half and the rudder.

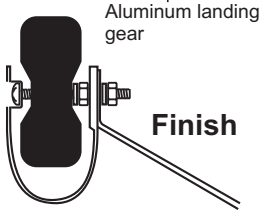
2

4x15mm screw 4
4x40mm screw 2
4mm Washer 4
4mm Nut 4





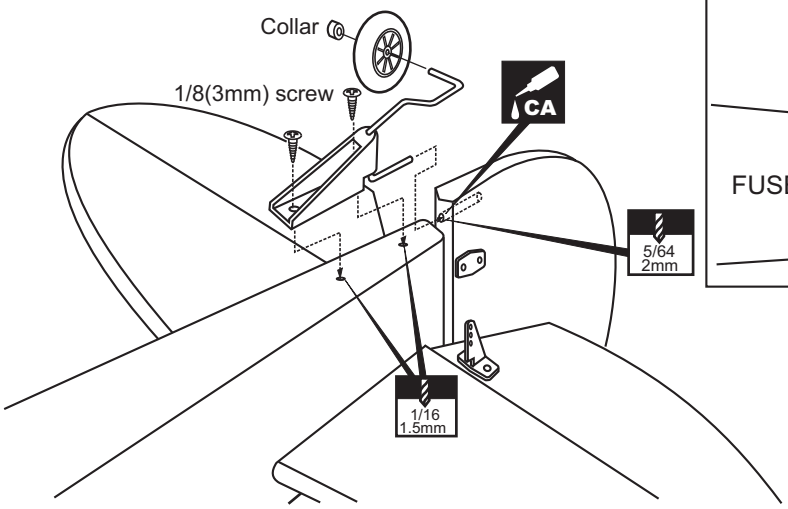


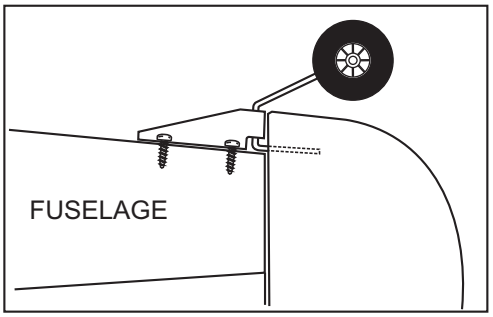


A-Locate the aluminum landing gear in the bottom of the fuselage.
B-Drill the hole on each side of the plastic wheel pant.
C-Slide one wheel onto each of the wheel pant and secure them with the 4x40mm screw and nut.

3

BOTTOM - VIEW / **Unteransicht**

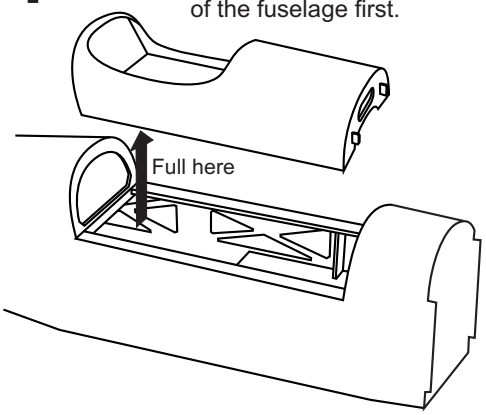


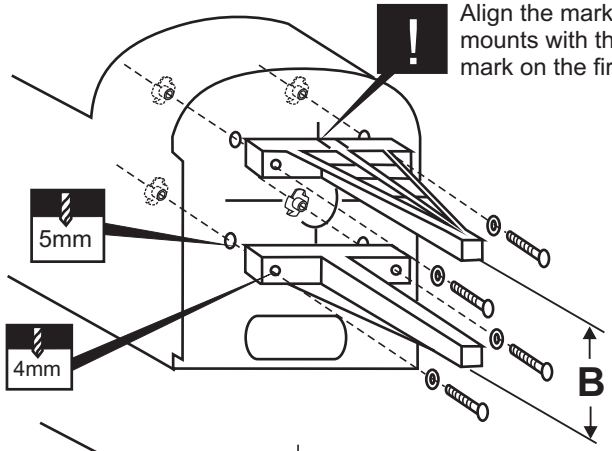


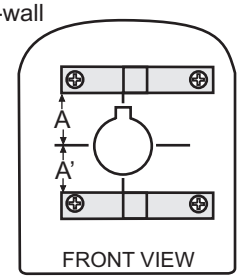
Plastic tail gear mount 1
3x10mm screw 2
2mm collar 1

4

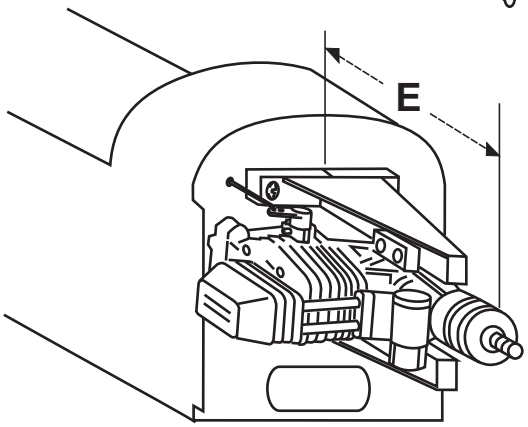
Full the magnetic cockpit out of the fuselage first.



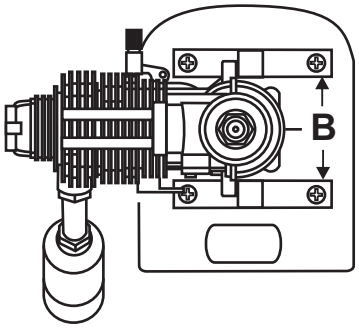




Align the engine center with fire-wall marked line (A=A')

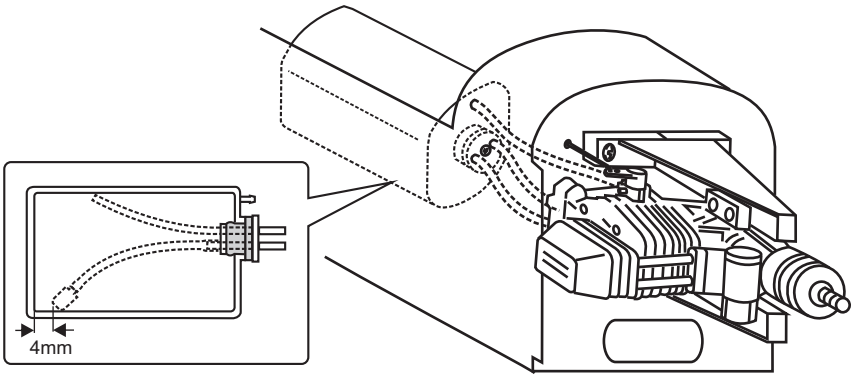


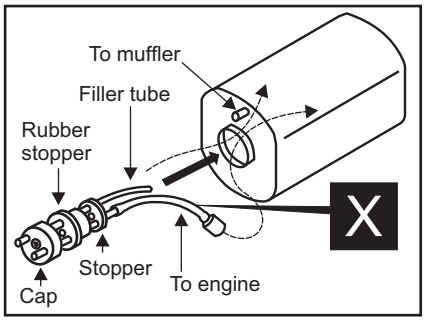
E = 110 - 113mm

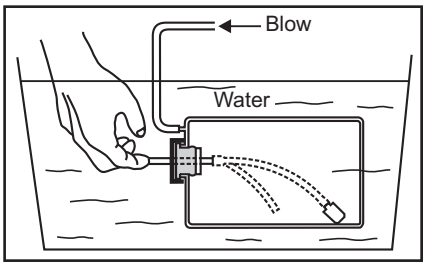


3x20mm screw 4
3mm nut 4
3mm washer 4
4x30mm screw 4
4mm Blind-nut 4
4mm washer 4

5



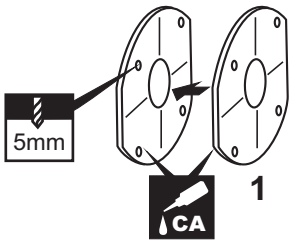


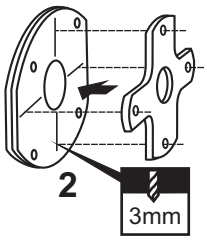


Checking for leaks - block the vents and blow into the feed - if in doubt submersing the tank in a blow of water will show up any problems.

6

5x70mm screw ...4
5mm Washer 16
5mm Nut 12

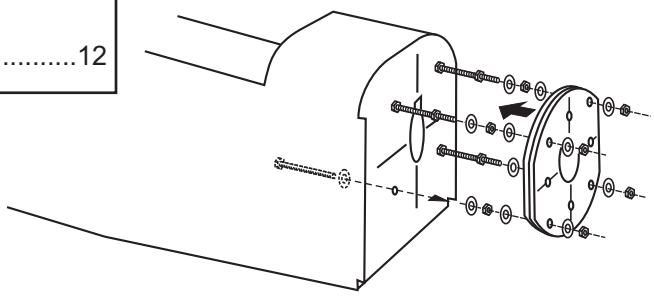


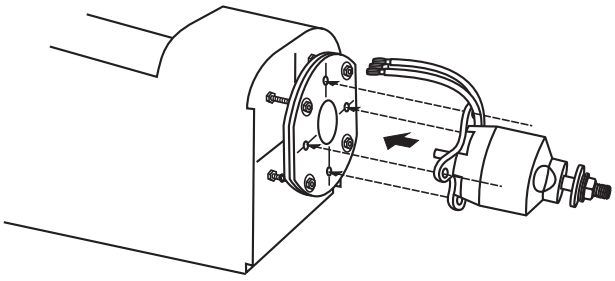


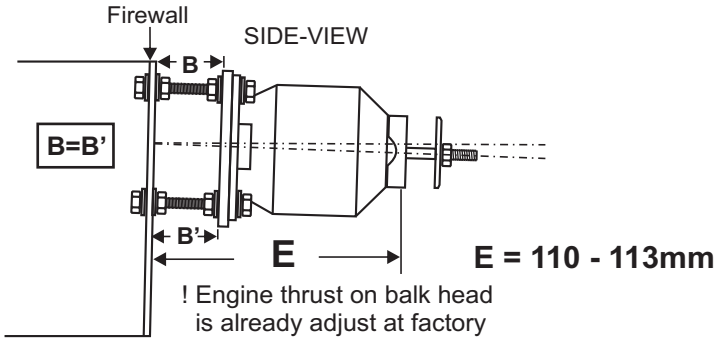
Using a aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled (2).

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

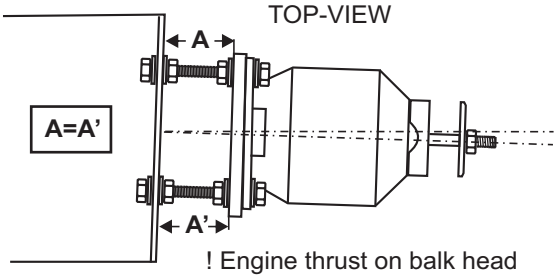
Note: The aluminum motor mounting included with electric motor set.







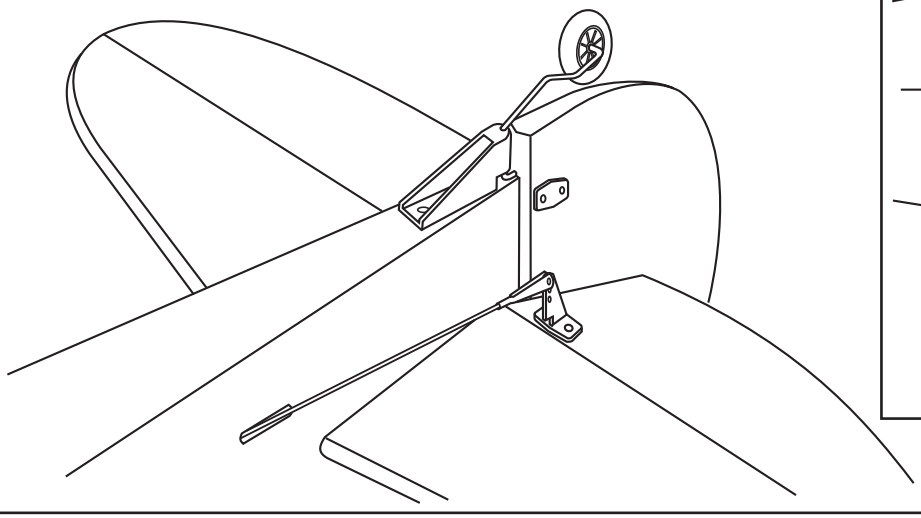
! Engine thrust on balk head is already adjust at factory

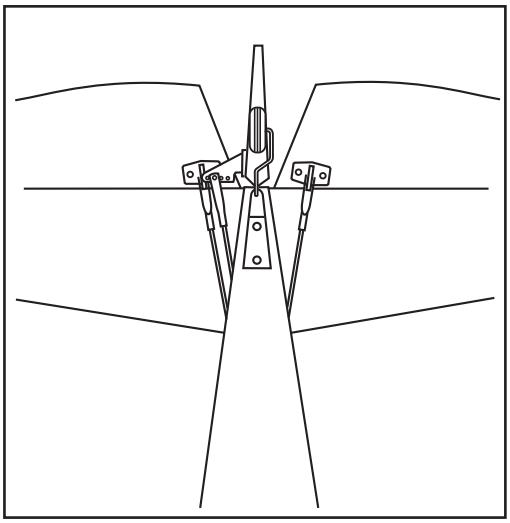


! Engine thrust on balk head is already adjust at factory

7

BOTTOM - VIEW / **Unteransicht**





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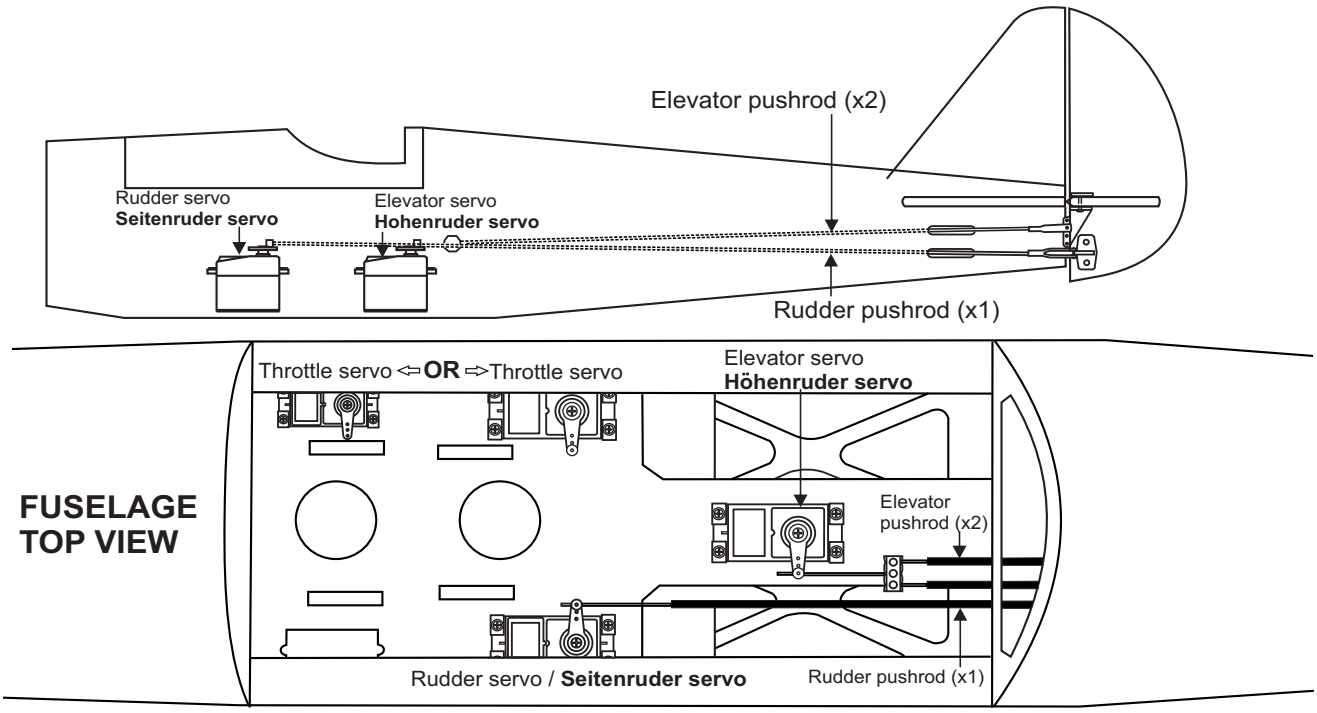

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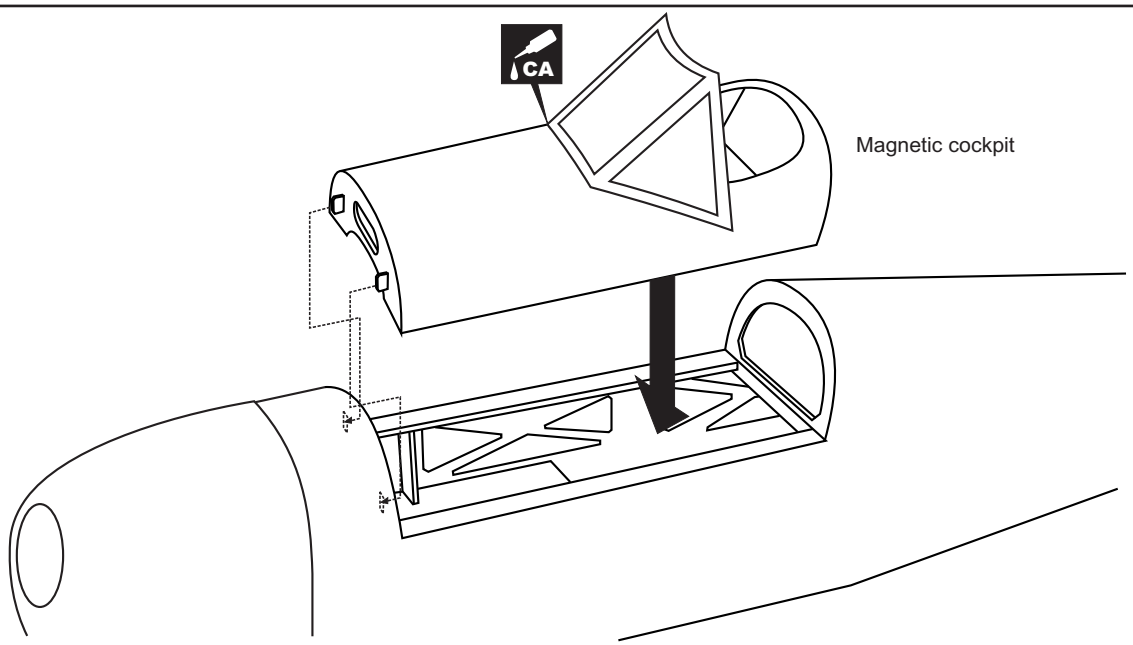


10

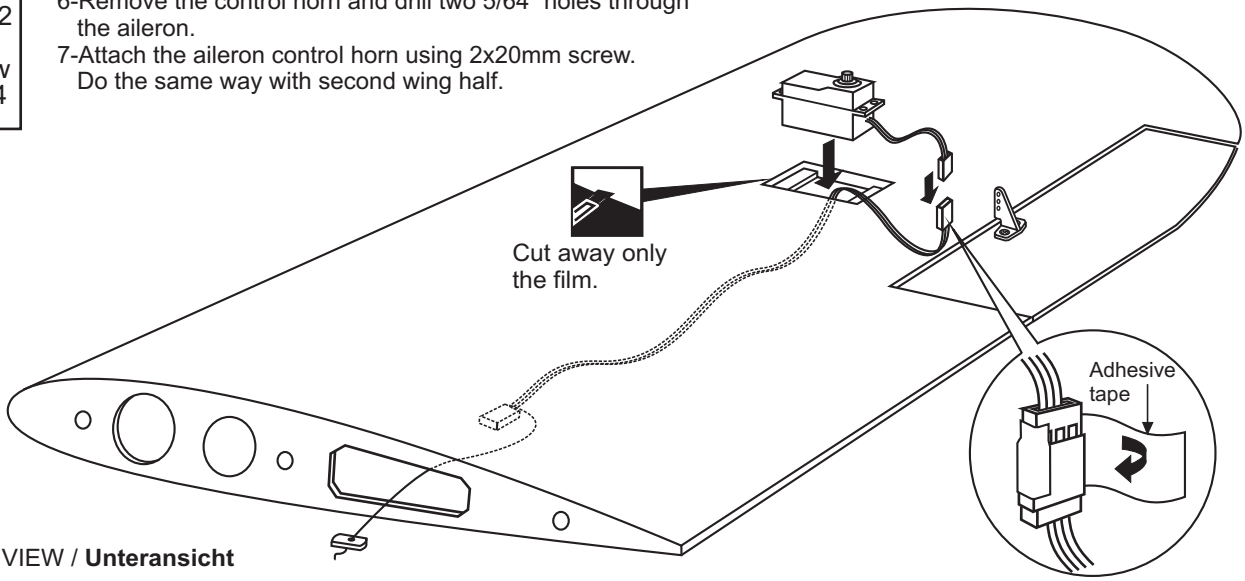
Control horn

.....2

2x20mm screw

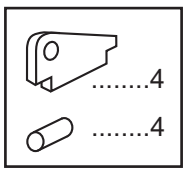
.....4

1-Connect the 30cm extension (not include) to the aileron servo and secure with the adhesive tape.
2-Using the thread (pre-installed at factory), full the extension out of the wing as shown.
3-Attach the aileron servo into the wing.
4-Depending on the position of the linkage, determine the location of the aileron control horn.
The horn holes must be perfectly aligned with the axis of articulation.
5-Mark the position of the “foot” of the horn on the aileron.
6-Remove the control horn and drill two 5/64” holes through the aileron.
7-Attach the aileron control horn using 2x20mm screw.
Do the same way with second wing half.



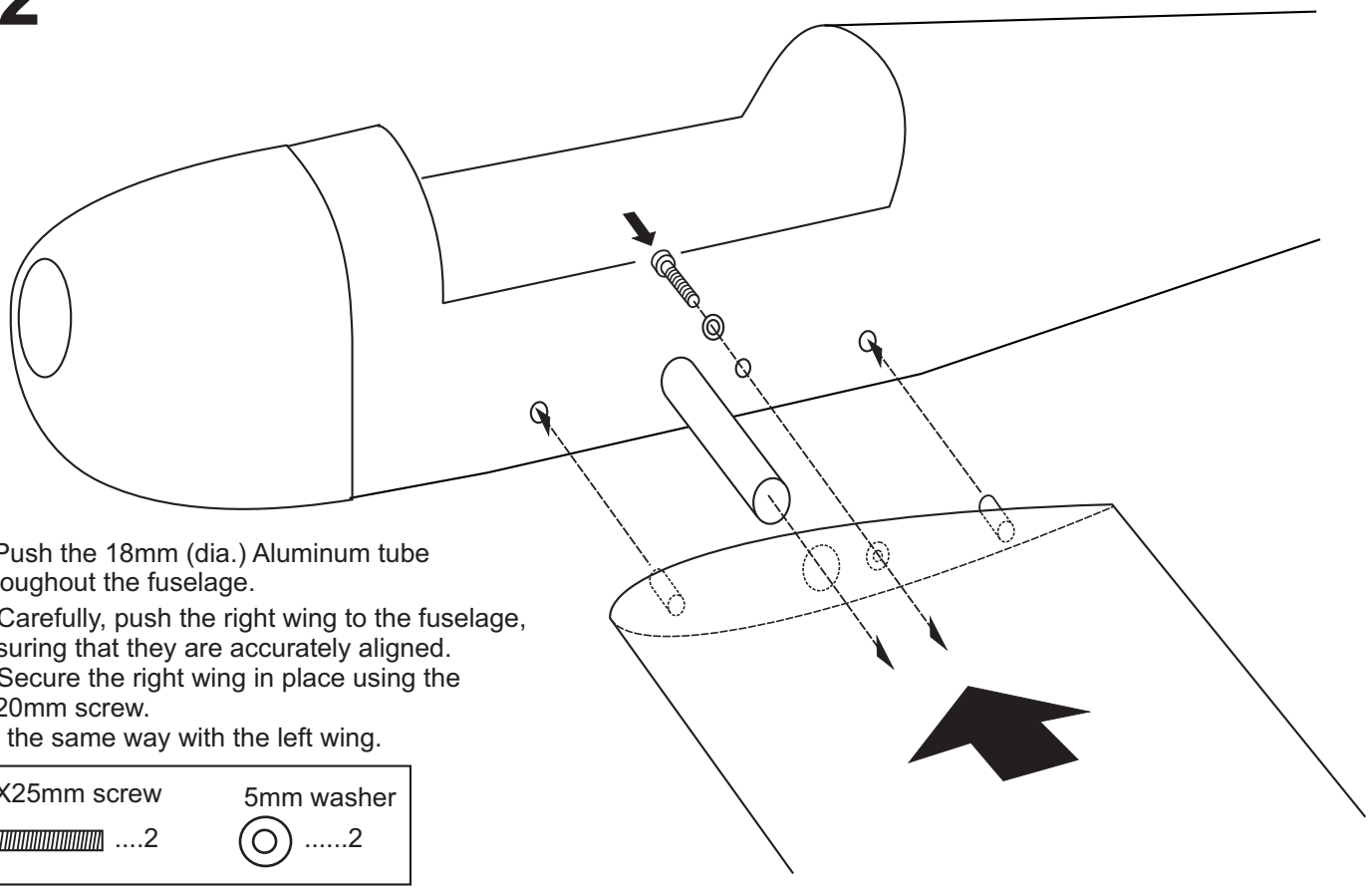
BOTTOM - VIEW / **Unteransicht**

11



TOP VIEW / **Draufsicht**

12



1- Push the 18mm (dia.) Aluminum tube throughout the fuselage.

2- Carefully, push the right wing to the fuselage, ensuring that they are accurately aligned.

3- Secure the right wing in place using the 5x20mm screw.

Do the same way with the left wing.

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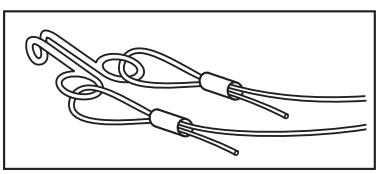
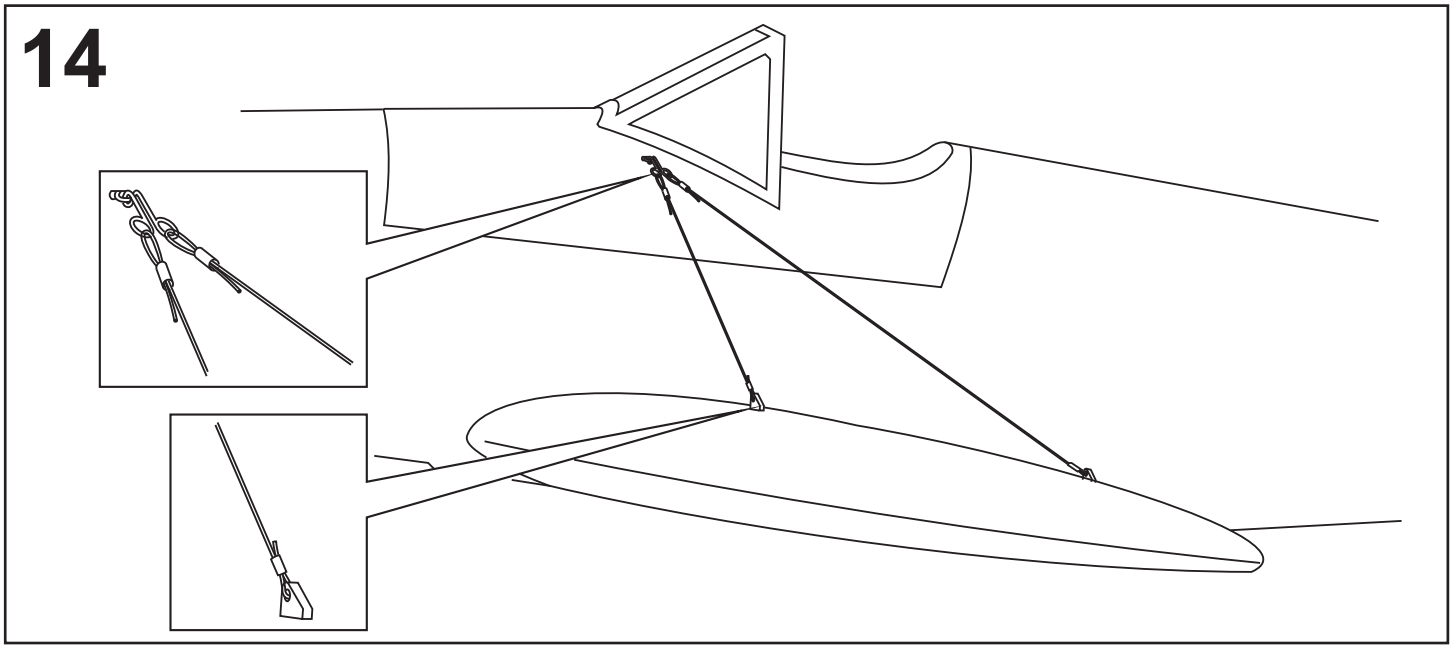
TOP VIEW / **Draufsicht**



Do the same way with another half wing.

14



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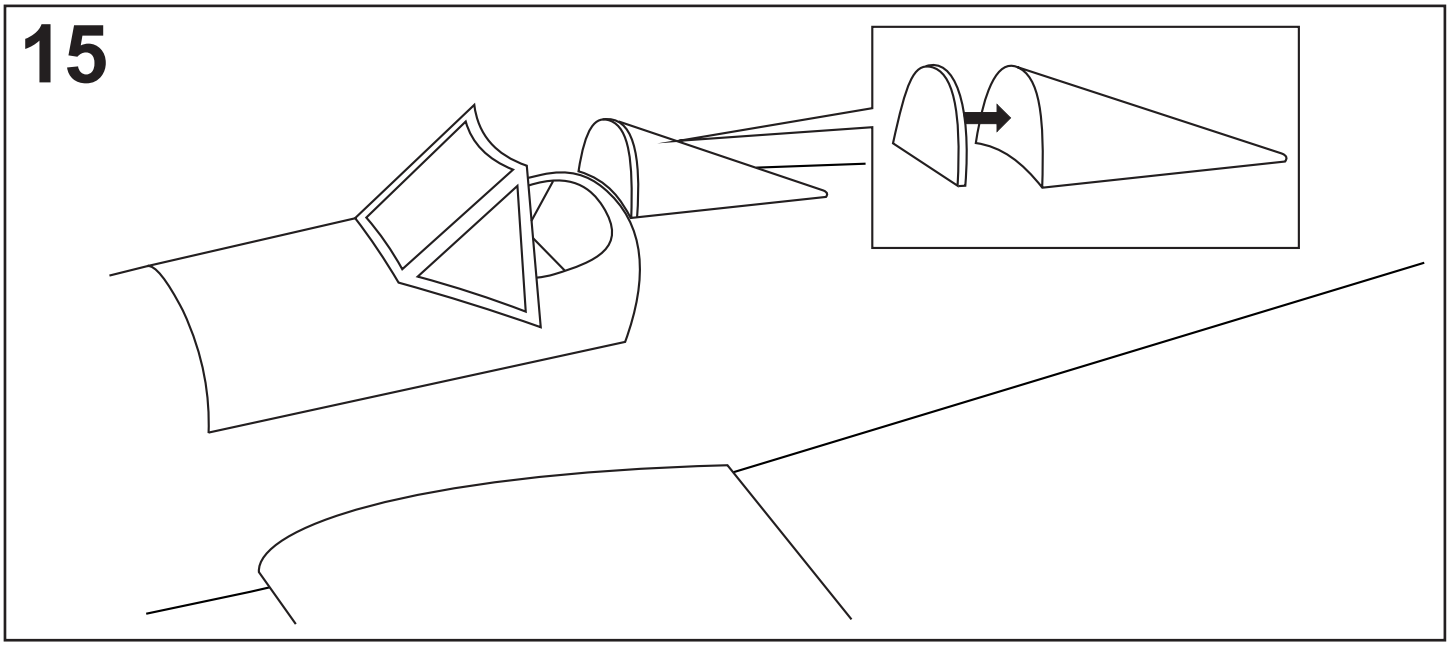
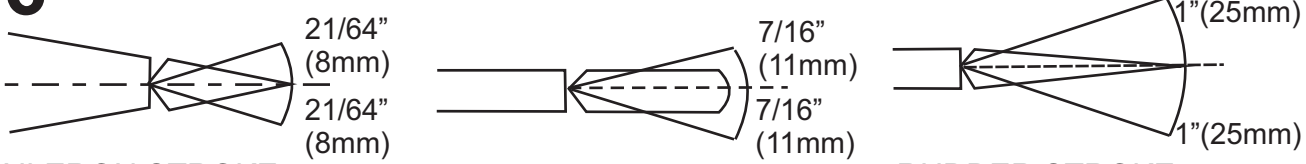


16

Control surface / Ruderausschläge



AILERON STROKE
Querruderausschlag

ELEVATOR STROKE
Höhenruderausschlag

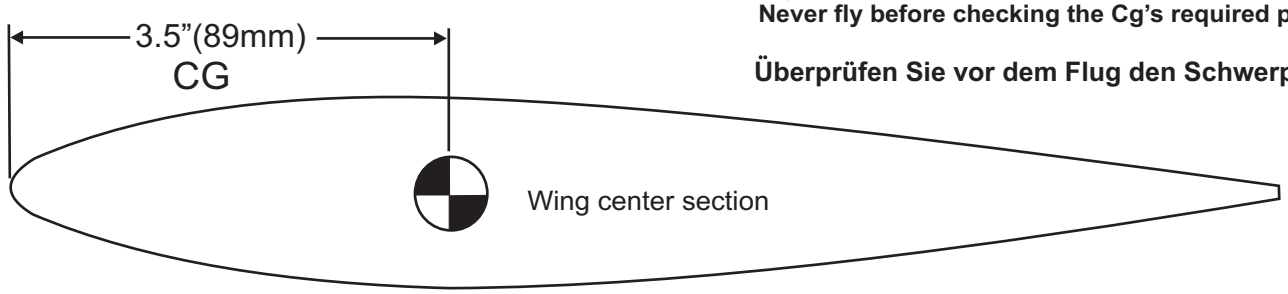
RUDDER STROKE
Seitenruderausschlag

17

Balance / Schwerpunkt

WARNING ! Securely install the receiver and power pack, ensuring they will not come loose or rattle during flight.
Never fly before checking the Cg's required position.

Überprüfen Sie vor dem Flug den Schwerpunkt.



In order to obtain the CG specified, reposition the receiver and power pack

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.