

PICHLER

Montageanleitung Instruction Manual book

FLASH

R/C Flugmodell
R/C Model Airplane



95% ALMOST READY TO FLY

Technische Daten *

Spannweite	910mm
Länge	750mm
Flächeninhalt	21.7dm ²
Flächenbelastung	53g/dm ²
Fluggewicht	950 ... 1150g
R/C	3 Kanal
Servos	3
Motor	250 ... 650W
Regler	40 ... 50A
Akku	2200 ... 3500mAh

Specifications *

Wingspan	910mm
Length	750mm
Wing area	21.7dm ²
Wing loading	53g/dm ²
Flying Weight	950 ... 1150g
R/C	3 channels
Servos	3
Motor	250 ... 650W
ESC	40 ... 50A
Battery	2200 ... 3500mAh

* Änderungen und Irrtümer vorbehalten

* Subject to change without notice

Sicherheits- und Gefahrenhinweise. Dieses Flugmodell ist kein Spielzeug für Kinder unter 13 Jahren und kann im Betrieb schwere Schäden und Verletzungen und Personen und Tieren verursachen. Drehende Propeller sind sehr gefährlich und können ebenfalls schwere Schäden und Verletzungen hervorrufen. Dieses Flugmodell ist für Anfänger nicht geeignet. Falls Sie unerfahren im Betrieb mit solchen Flugmodellen sind, wenden Sie sich bitte an einen Fortgeschrittenen oder Profi.

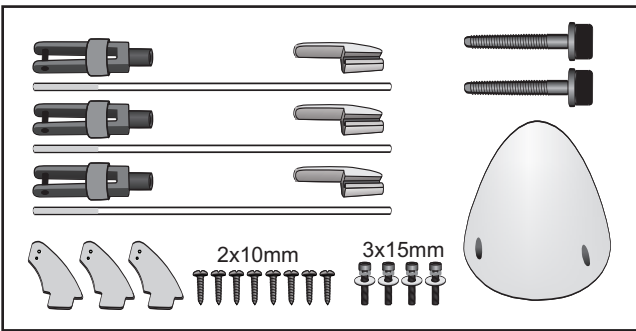
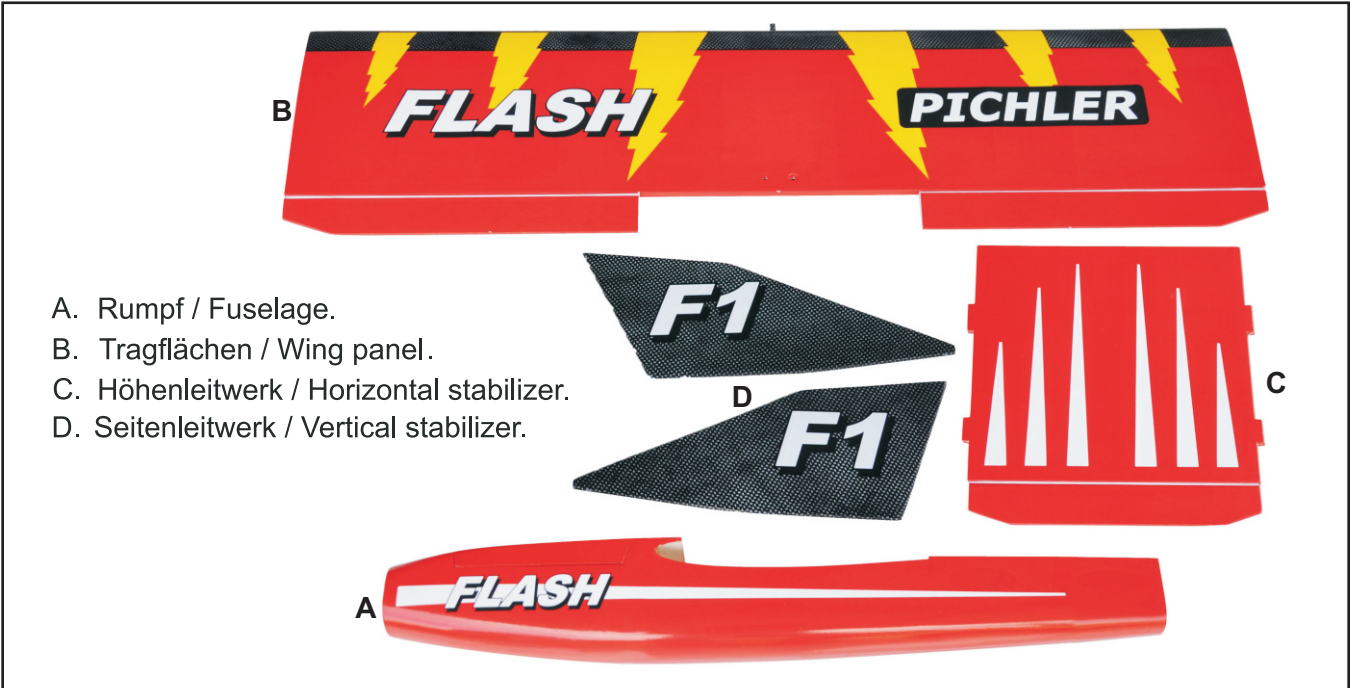
Dieses ferngesteuerte R/C Flugmodell ist für Anfänger nicht geeignet sondern richtet sich an fortgeschrittene Modellbauer. Trotz sehr hoher Vorfertigung erfordern die Endmontage und der Betrieb des Modells etwas Übung sowie grundlegende Erfahrungen. Wenn Sie unerfahren sind, bitten Sie einen Modellbaukollegen um Hilfe oder fragen Ihren Modellbau-Fachhändler vor Ort. Bevor Sie mit dem Zusammenbau beginnen, prüfen Sie den Inhalt auf Vollständigkeit, Passgenauigkeit bzw. eventuelle Mängel. Für den Zusammenbau benötigen Sie das übliche Werkzeug sowie Klebstoffe wie Sekundenkleber und 5-Minuten Epoxy. Der Lieferumfang kann ggf. abweichen. Das Modell wurde von erfahrenen Mitarbeitern weitgehendst in Handarbeit gefertigt und selbstverständlich vor dem Versand im Werk sorgfältig geprüft. Trotzdem bitten wir Sie zu beachten:

Wir entwickeln und fertigen unsere Modelle zum Fliegen und nicht, um damit einen Scale-Wettbewerb zu gewinnen.

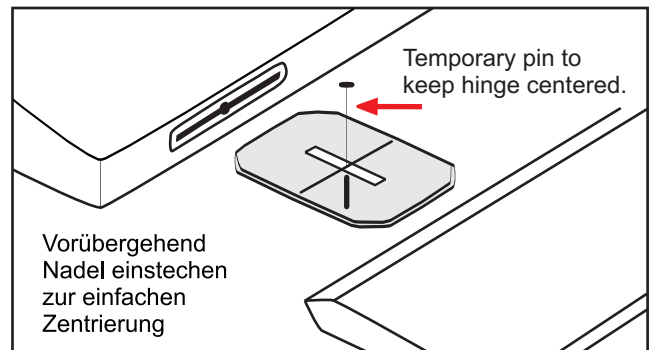
Deshalb gilt: Kleine Unregelmäßigkeiten am Modell sind normal und berechtigen nicht zur Reklamation. Ein gewisses Maß an Nacharbeit kann erforderlich sein und ist dem Kunden (= fortgeschrittener Modellbauer) zuzumuten.

Das Modell wurde werksseitig mit Bügelfolie falten- und blasenfrei bespannt.

Aufgrund von Temperaturschwankungen während Transport und Lagerung kann es zu mehr oder weniger starker Falten- und Blasenbildung kommen. Dies ist normal und kein Reklamationsgrund. Mit einem Heißluftgebläse (Föhn) kann die Folie unter vorsichtiger Wärmeeinwirkung wieder gespannt werden. Vielen Dank für Ihr Verständnis.

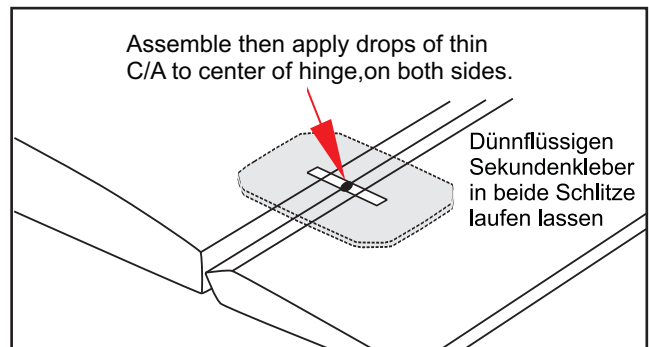
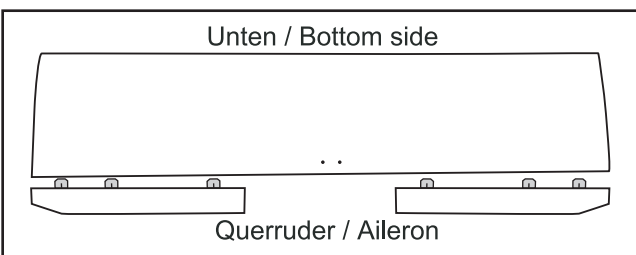


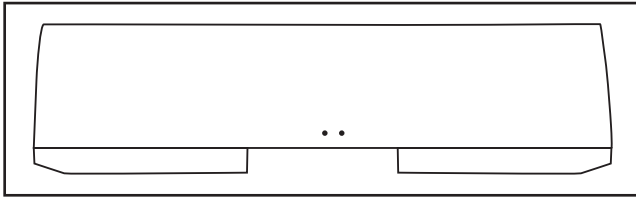
Test fit the ailerons to the wing with the hinges. If the hinges don't remain centered, stick a pin through the middle of the hinge to hold it in position.



Querruder / Aileron

Servoeinbau / Servo Installation

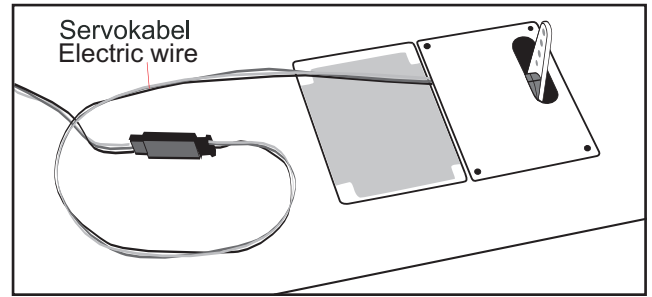
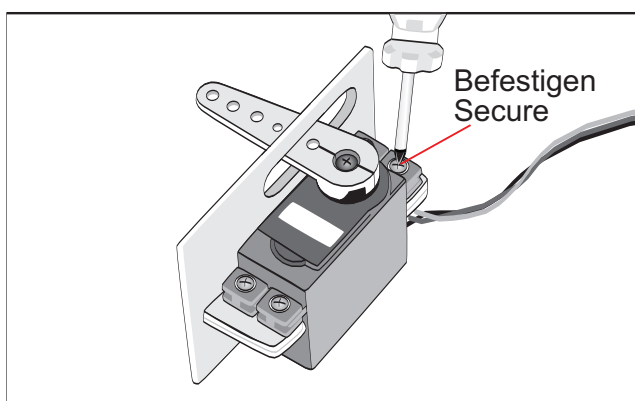
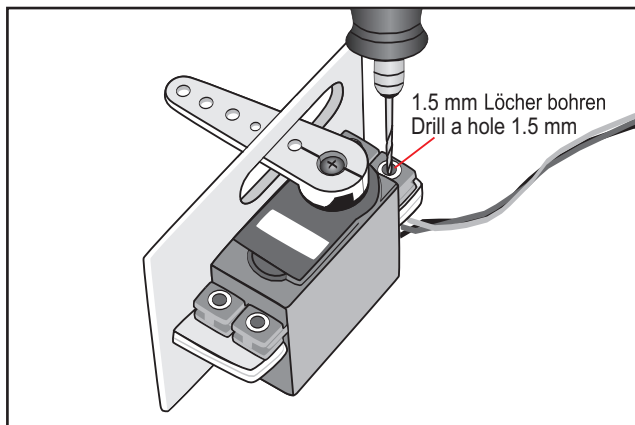
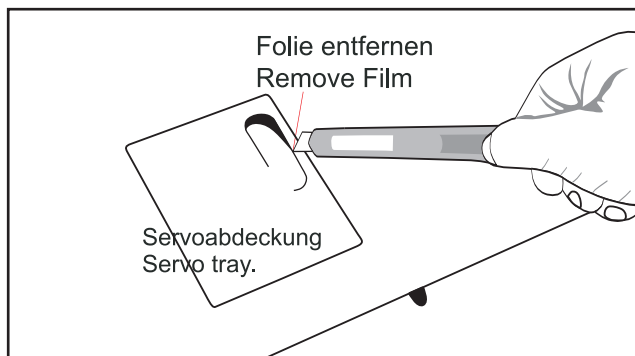




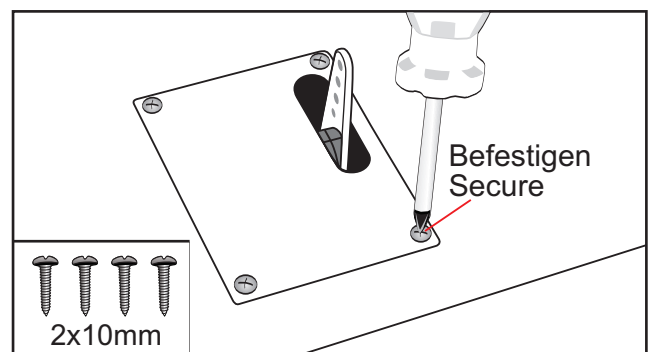
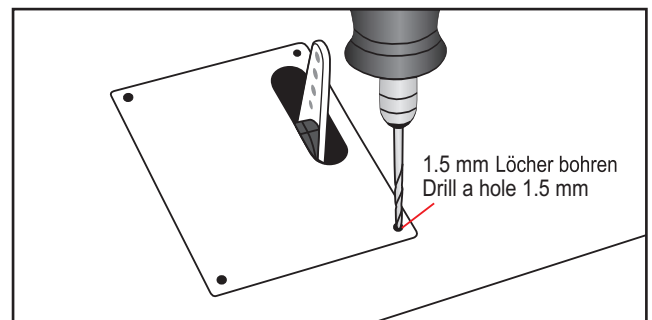
Install the rubber grommets and brass eyelets on to the aileron servos.

Using a modeling knife, remove the covering from over the pre-cut servo arm exit hole on the aileron servo tray / hatch. This hole will allow the servo arm to pass through when installing the aileron pushrods.

Using the thread as a guide and using masking tape, tape the servo lead to the end of the thread: carefully pull the thread out. When you have pulled the servo lead out, remove the masking tape and the servo lead from the thread.



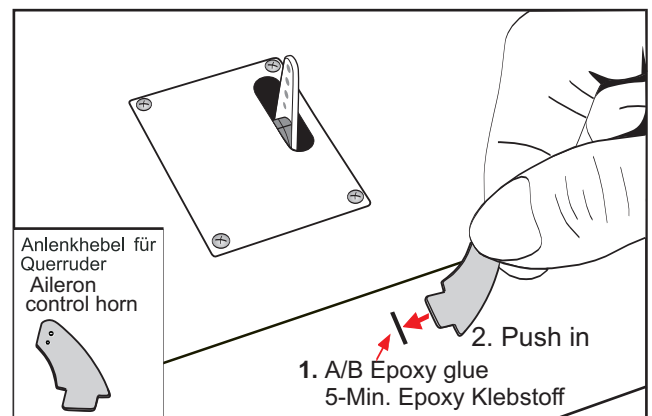
Place the servo into the servo tray. Center the servo within the tray and drill 1.5mm pilot holes through the block of wood for each of the four mounting screws provided with the servo.



Querruderanlenkung Aileron Control Horn

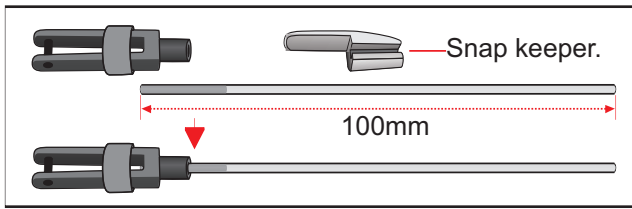
Remove the covering from the slot on the bottom of the aileron.

Insert the control horn into the slot and secure it by A+B Epoxy glue.



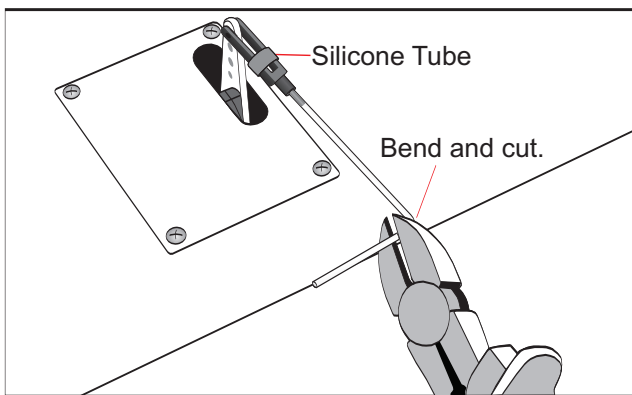
Querruderanlenkung / Aileron Linkages

Installing the aileron linkages as pictures below.

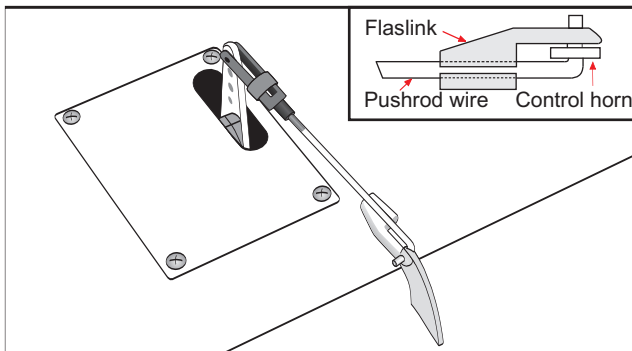


Attach the clevis to the outer hole in the servo arm. Install a silicone tube on the clevis.

Using pliers, carefully make a 90 degree bend down at the mark made. Cut off the excess wire, leaving about 6mm beyond the bend.



Insert the 90 degree bend down through the hole in the control horn. Install one nylon snap keeper over the wire to secure it to the control horn. Install the control horn retaining screw and remove the masking tape from the aileron.

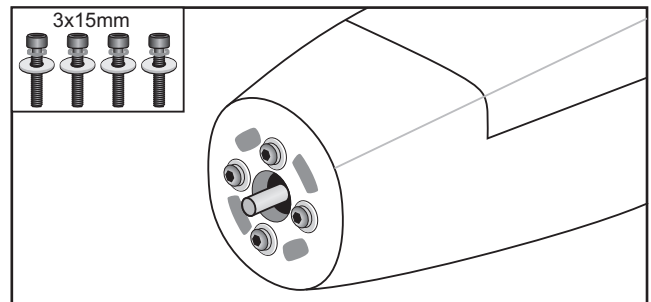
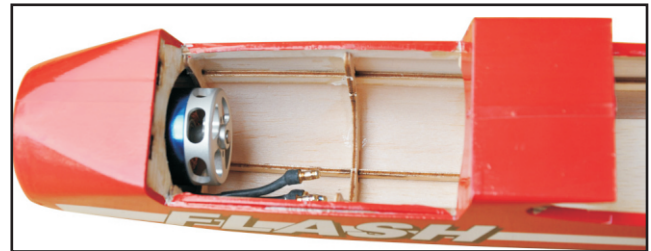
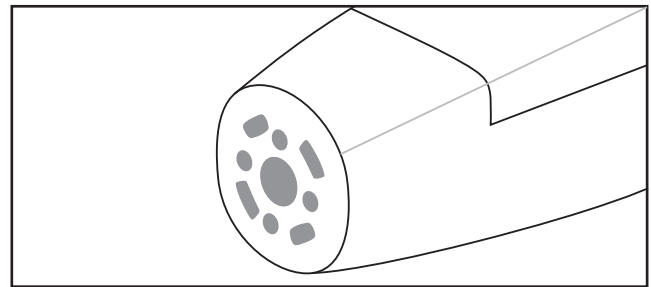


Repeat the procedure to install the second aileron.

After both linkages are completed, connect both of the aileron servo loads using a Y-harness you have purchased.

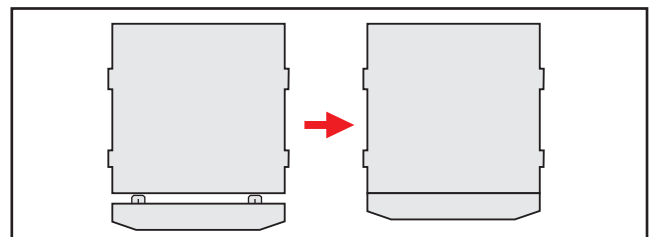


Motoreinbau / Motor Installation

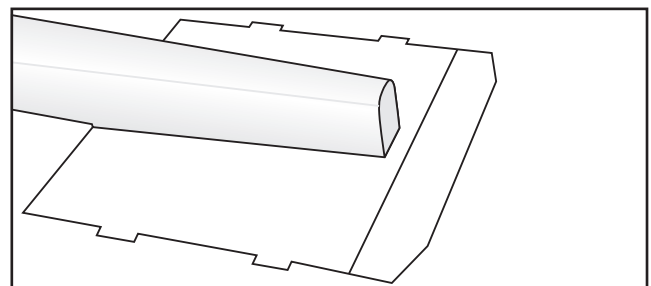


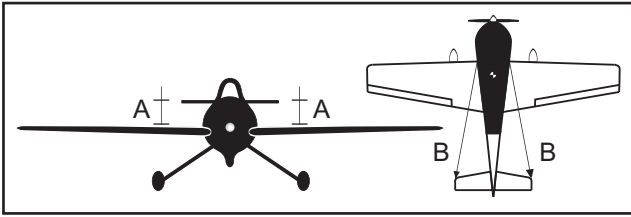
Höhenruder / Horizontal stabilizer

Elevator install as same as the way of aileron. Please see pictures below.



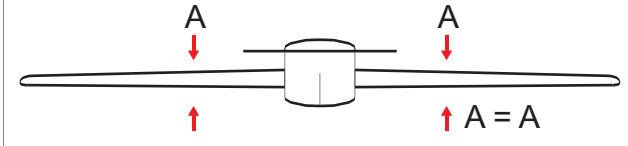
Put the horizontal into the fuselage. Check the fit of the horizontal stabilizer in its slot. Make sure the horizontal stabilizer is square and centered to the fuselage by taking measurements, but don't glue anything yet.



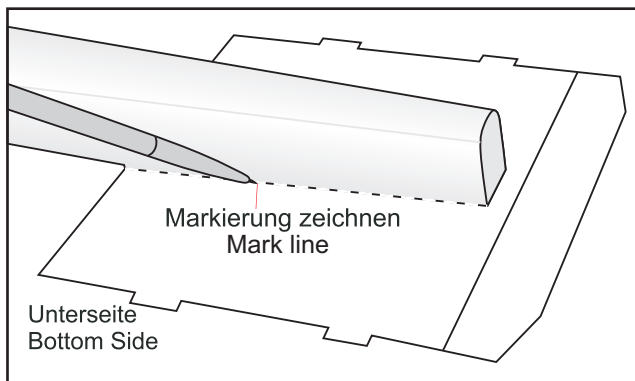


Höhenruder und Tragfläche müssen parallel zueinander ausgerichtet sein

Elevator and Main wing must be aligned parallel to each other



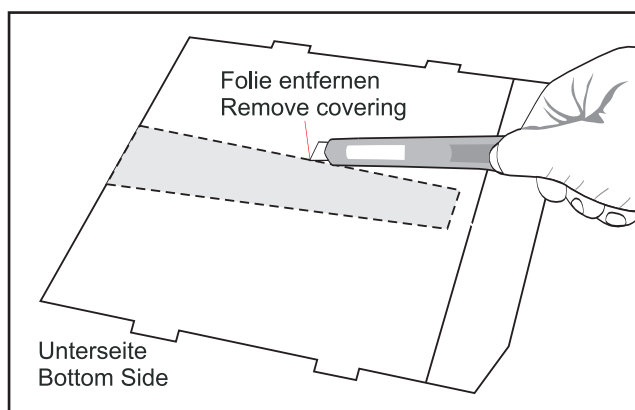
With the horizontal stabilizer correctly aligned, mark the shape of the fuselage on the bottom of the tail plane using a water soluble / non permanent felt-tip pen.



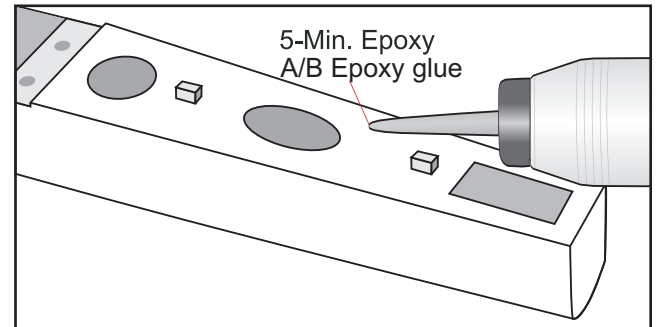
Remove the stabilizer. Using the lines you just drew as a guide, carefully remove the covering from between them on the bottom of the tail plane using a modeling knife.

Folie an den Klebestellen vorsichtig entfernen.
ACHTUNG: Nicht ins Holz reinschneiden.

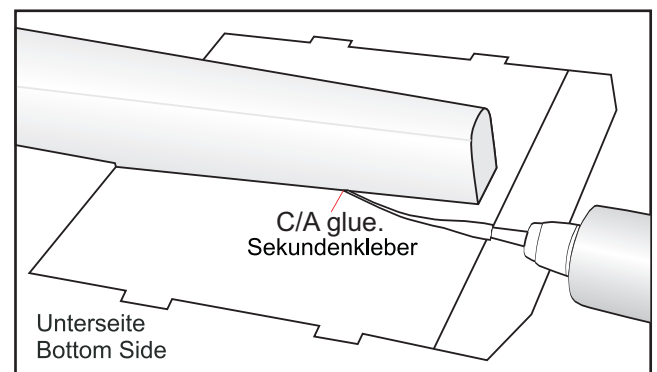
Remove covering film on glueing areas.
ATTENTION: Do not cut into the wood.



When you are sure that everything is aligned correctly, mix up a generous amount of 5- minute epoxy. Apply a thin layer to the bottom of the stabilizer mounting area and to the stabilizer mounting platform sides in the fuselage. Slide the stabilizer in place and re-align. Double check all of your measurements one more time before the epoxy cures. Remove any excess epoxy using a paper towel and rubbing alcohol and hold the stabilizer in place with T-pins or masking tape.

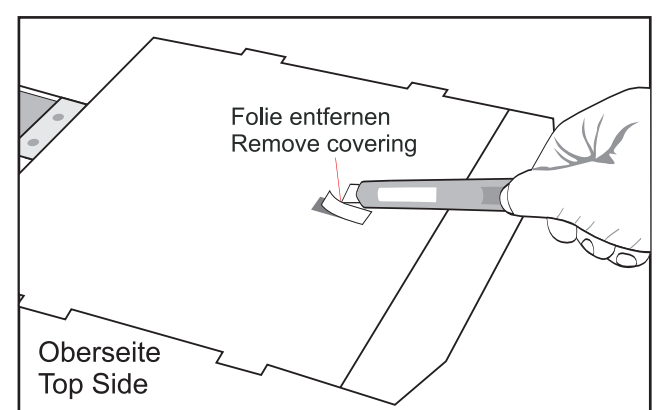


After the epoxy has fully cured, remove the masking tape or T-pins used to hold the stabilizer in place and carefully inspect the glue joints. Use more epoxy to fill in any gaps that may exist that were not filled previously and clean up the excess using a paper towel and rubbing alcohol.

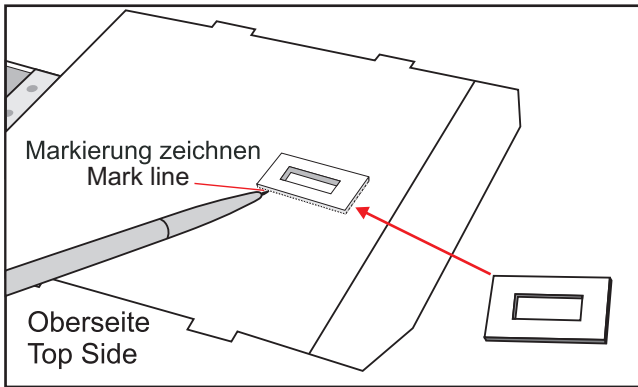


Höhenruderservo / Elevator servo

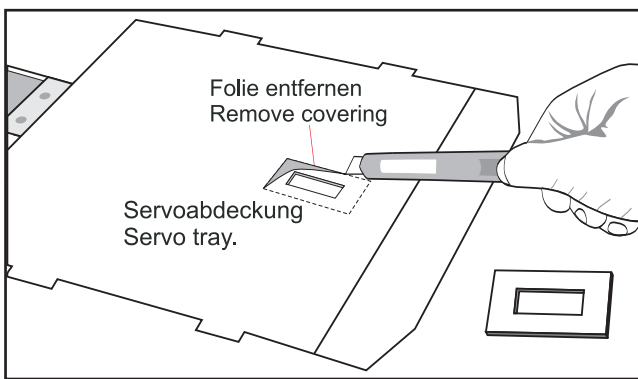
Using a modeling knife, remove the covering from over the pre-cut servo arm exit hole on the horizontal stabilizer servo tray / hatch.



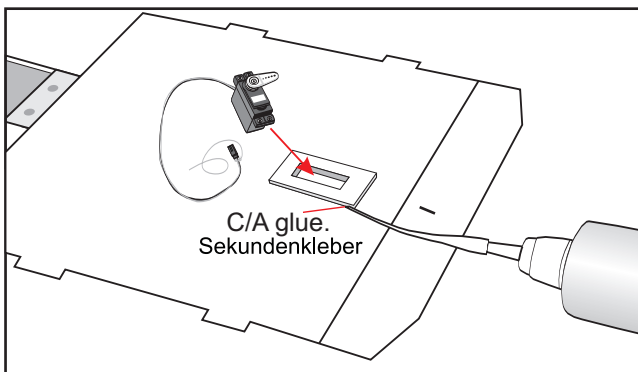
Use a pen to mark the position of the mount on the covering



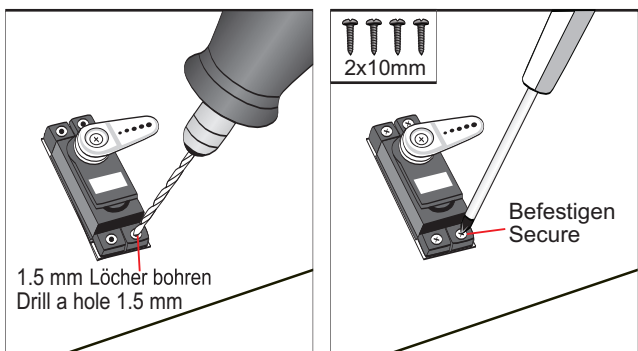
Using a ruler and sharp knife, carefully cut through and remove the covering film as shown.



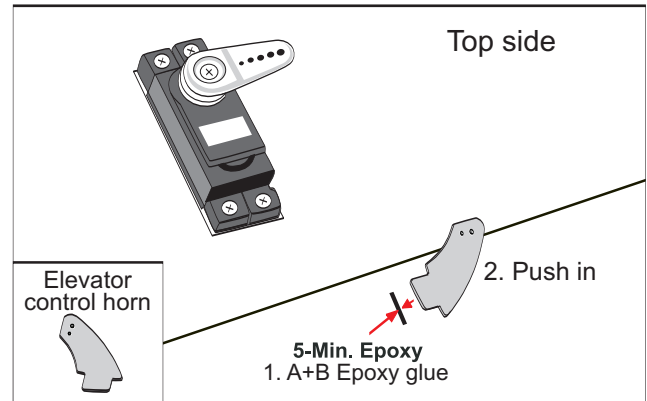
Attach the mount in place using C/A glue.



Place the servo into the servo tray. Center the servo within the tray and drill 1.5mm pilot holes through the block of wood for each of the four mounting screws provided with the servo.

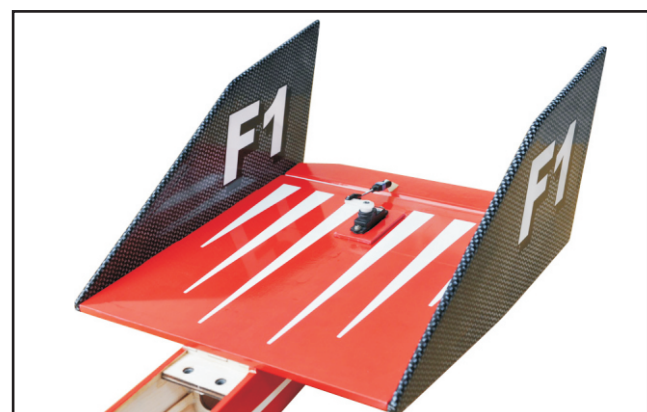
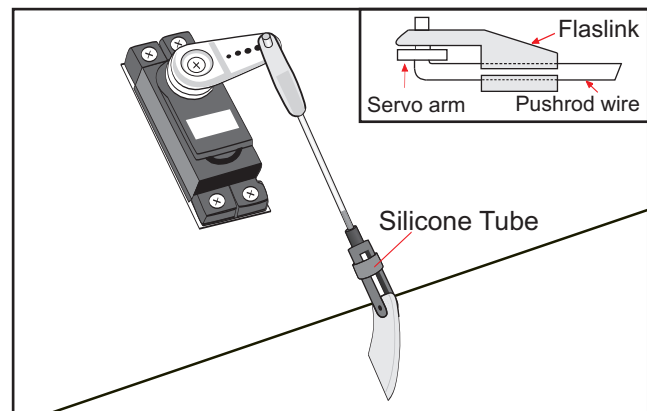
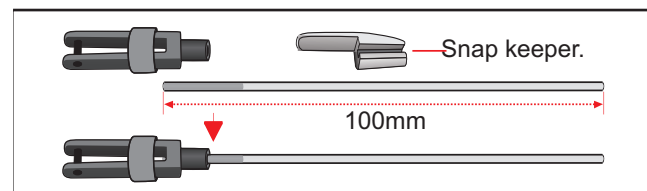


Remove the covering from the slot on the top of the elevator. Insert the control horn into the slot and secure it by A+B Epoxy glue.

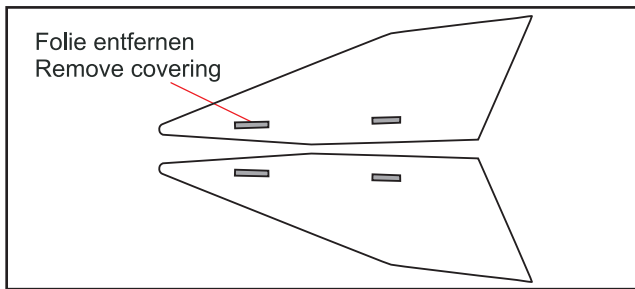


Höhenrudernanlenkung / Elevator Linkage

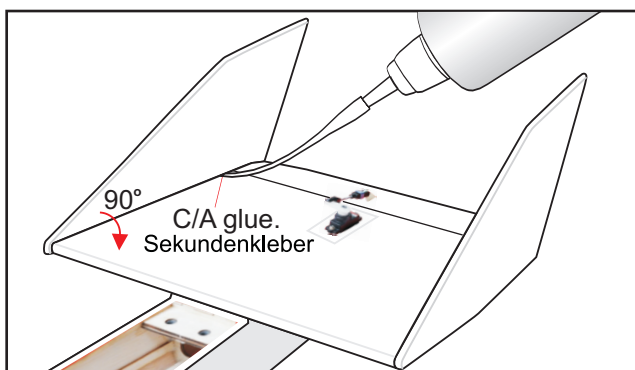
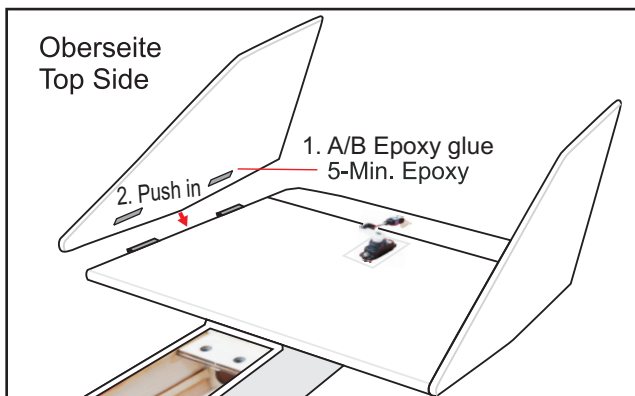
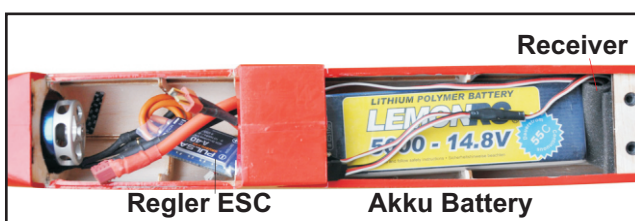
Elevator control horn and linkage install as same as the way of aileron. Please see pictures below.



Seitenflosse / Vertical stabilizer

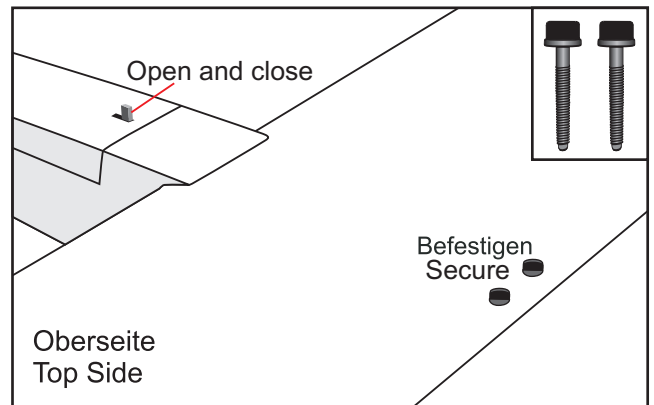


Using a modeling knife, remove the covering on the slot of the vertical stabilizer. Mix up a generous amount of 30 minute epoxy. Apply a thin layer to the slot in the vertical stabilizer. Slide the vertical stabilizer into the mounting platform of the horizontal stabilizer. Using a triangle, check to ensure that the vertical stabilizer is aligned 90 degree to the horizontal.

Empfänger, Regler und Akku
Receiver, ESC And Battery

Tragflächen / Main Wings

Attach the wing into the fuselage. Screw the wing panel in position.



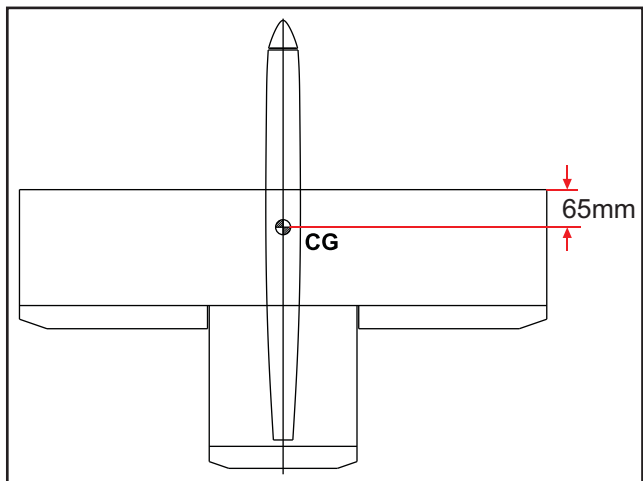
Spinner

Install the spinner backplate, propeller and spinner cone. The spinner cone is held in place using two 3mm x 15 mm machine screws.



Schwerpunkt / Center of Gravity

Der ideale Schwerpunkt befindet sich 65mm von der Tragflächenvorderkante aus gemessen.
The ideal Center of Gravity (C.G.) is located 65mm behind the leading edge.

**Ruderausschläge / Control Throws**

Control throws may be enlarged by experienced pilots.

Die Ruderausschläge können je nach Flugkönnen des Piloten vergrößert werden.

