

RADIO CONTROL MODEL / RC FLUGMODELL

# SWALLOW



## INSTRUCTION MANUAL / MONTAGEANLEITUNG

### SPECIFICATION

Wing span approx : 35.8 in.  
Length approx : 25.0 in.

**Propulsion Set  
Brushless for  
Swallow**

**# C5542**

### TECHNISCHE DATEN

Spannweite : 910mm  
Länge : 635mm

**Antriebsset  
Brushless für  
Swallow**

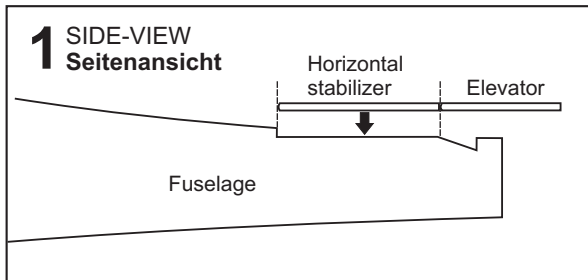
**# 5542**

 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

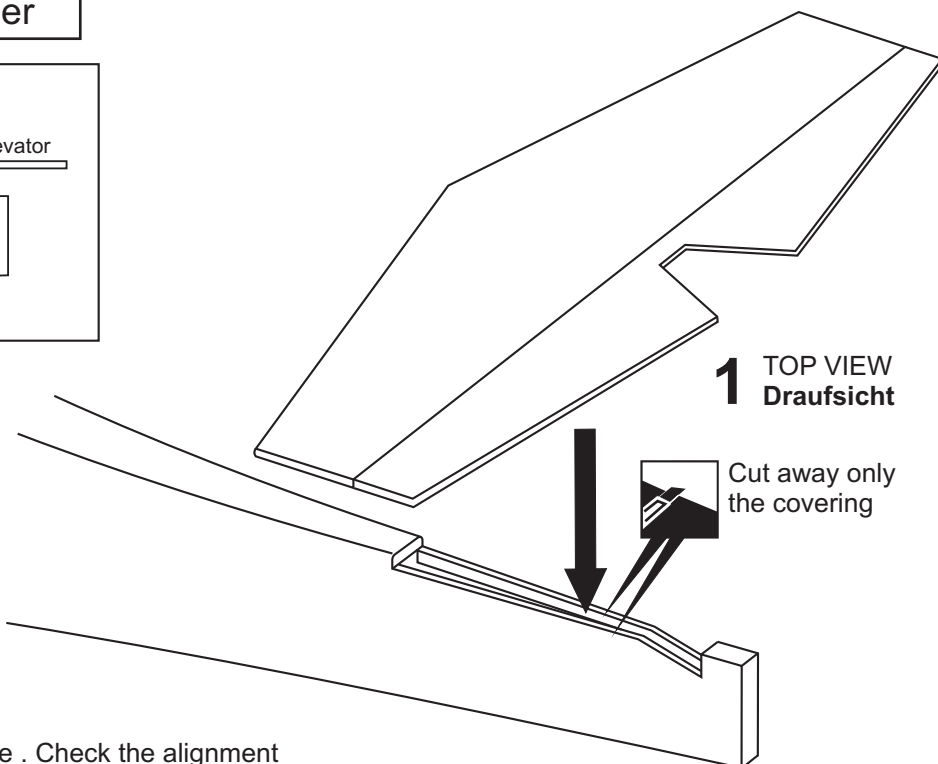
 1.5mm Löcher bohren mit dem angegebenen Bohrer (hier 1,5 mm)	 Hier besonders aufpassen	 Schraffierte Stellen, Bespannfolie vorsichtig entfernen	 Während des Zusammenbaus immer prüfen, ob sich die Teile auch reibungslos bewegen lassen
 Epoxy-Klebstoff verwenden	 Sekundenkleber auftragen	 Linke und rechte Seite wird gleichermaßen zusammengebaut	 Nicht enthalten. Teile müssen separat gekauft werden.

# 1- Horizontal Tail / Höhenruder

## 1 SIDE-VIEW Seitenansicht



## 1 TOP VIEW Draufsicht

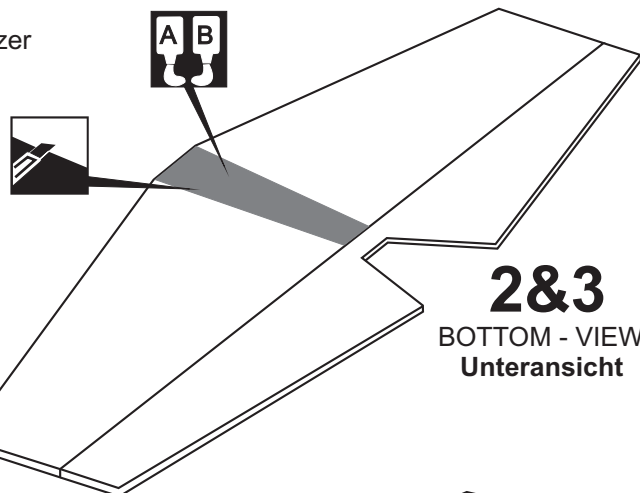


1-Trial fit the horizontal stabilizer in place . Check the alignment of the horizontal stabilizer. When you are satisfied with the alignment, use a pencil to trace around the bottom of the stabilizer where it meets the fuselage.

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.

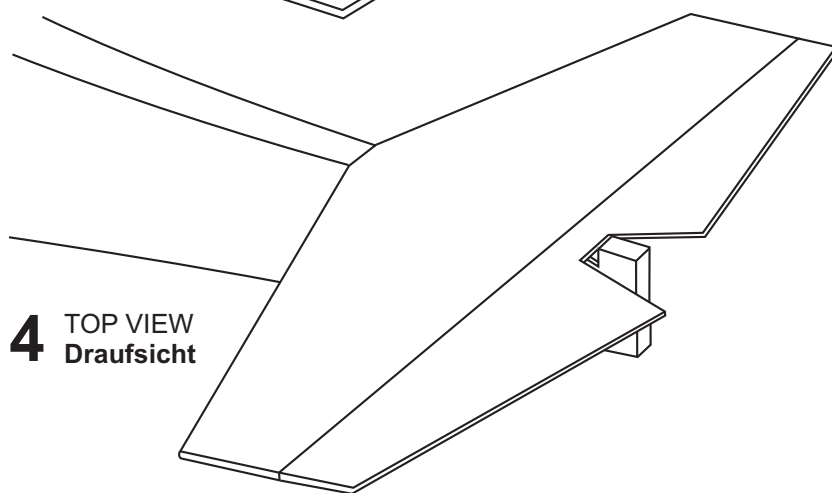
3-Spread epoxy (30 minute) onto the bottom of the horizontal stabilizer along the area where the covering was removed and to the fuselage where the horizontal stabilizer mounts.

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

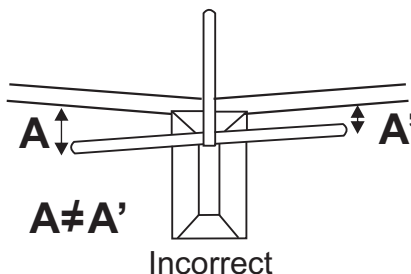
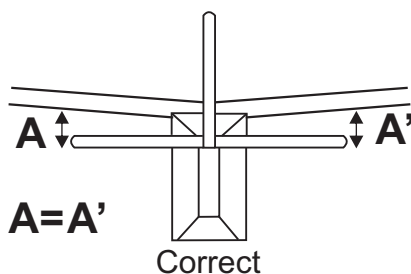


## 2&3 BOTTOM - VIEW Unteransicht

## 4 TOP VIEW Draufsicht



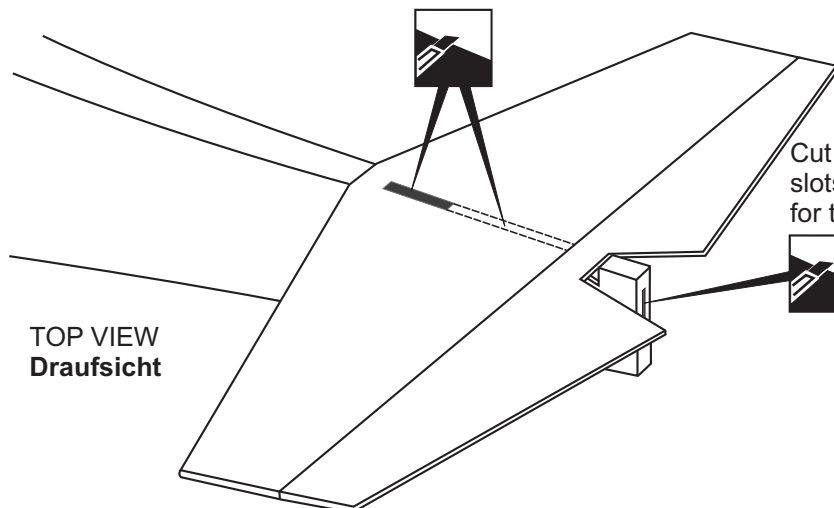
### Attach the Horizontal Stabilizer



Check the alignment of the horizontal stabilizer by measuring from a fixed point along the center line of the fuselage to the leading edge on each side of the horizontal stabilizer. The distance must be equal on both sides. If not, adjust the stabilizer until the measurements are the same.

## 2- Vertical Tail / Seitenruder

Cut away only the covering



TOP VIEW  
Draufsicht

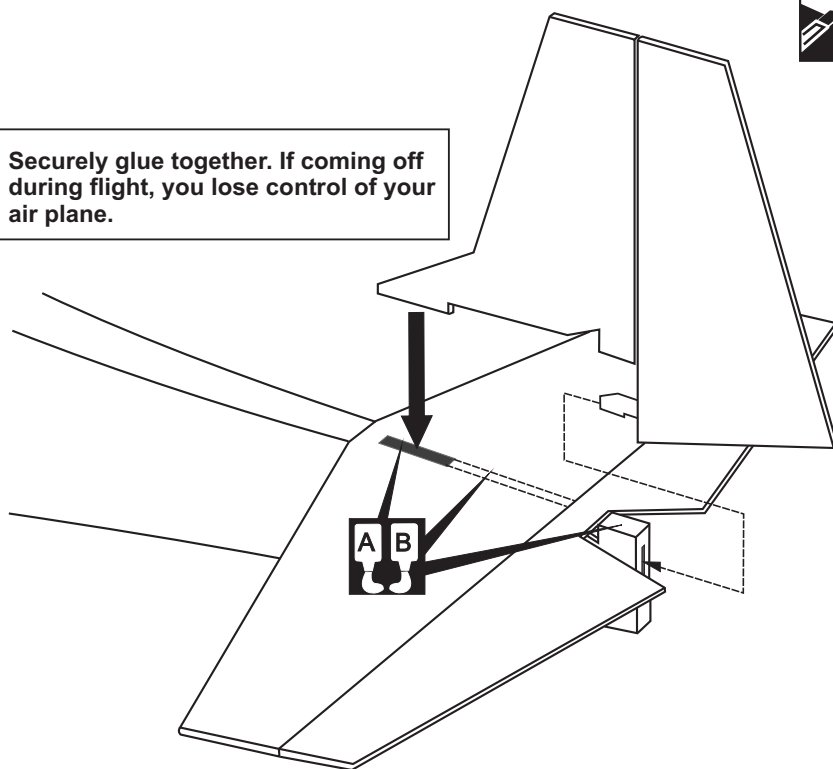
Cut  $31/64$ " (12mm) long slots along the centerline for the rudder hinge.



Cut away only the covering on both side.



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

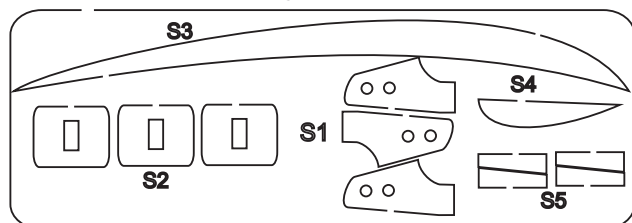


L/R

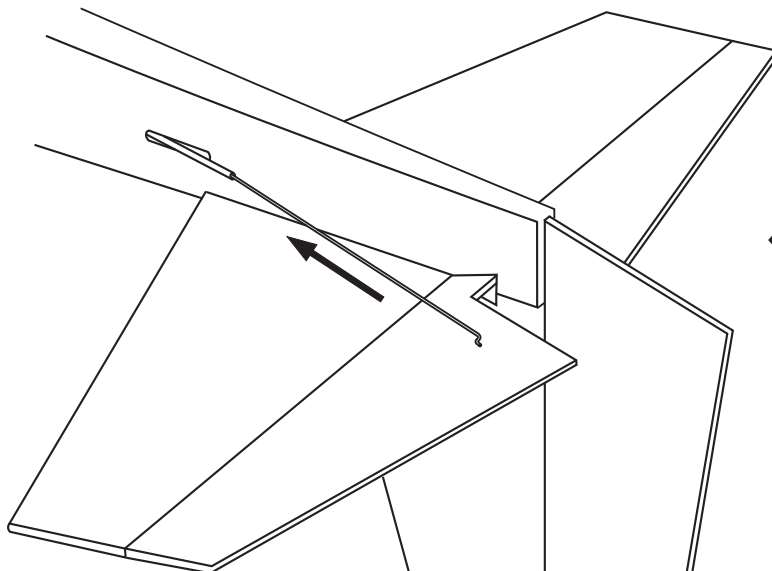
S5



2.5mm plywood parts



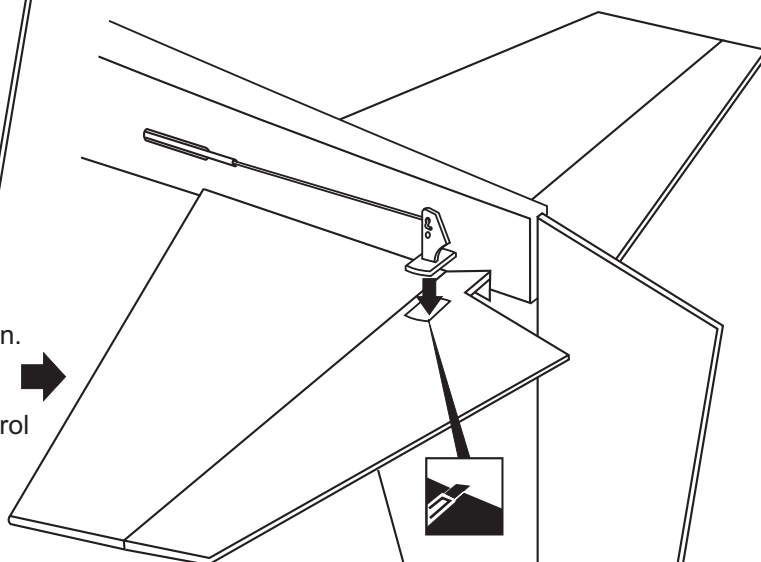
### 3- Linkage / Ruderanlenkung



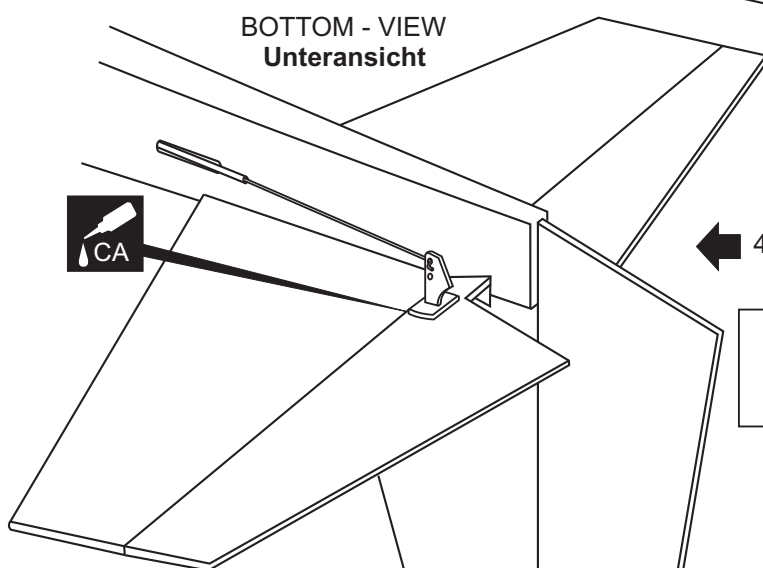
BOTTOM - VIEW  
Unteransicht

- 1- Push the elevator pushrod into the white nylon pushrod guider.

- 2- Insert the elevator pushrod into the elevator control horn.  
3- Place the elevator control horn onto the elevator and carefully cut away the covering where the elevator control horn meets the elevator.



BOTTOM - VIEW  
Unteransicht



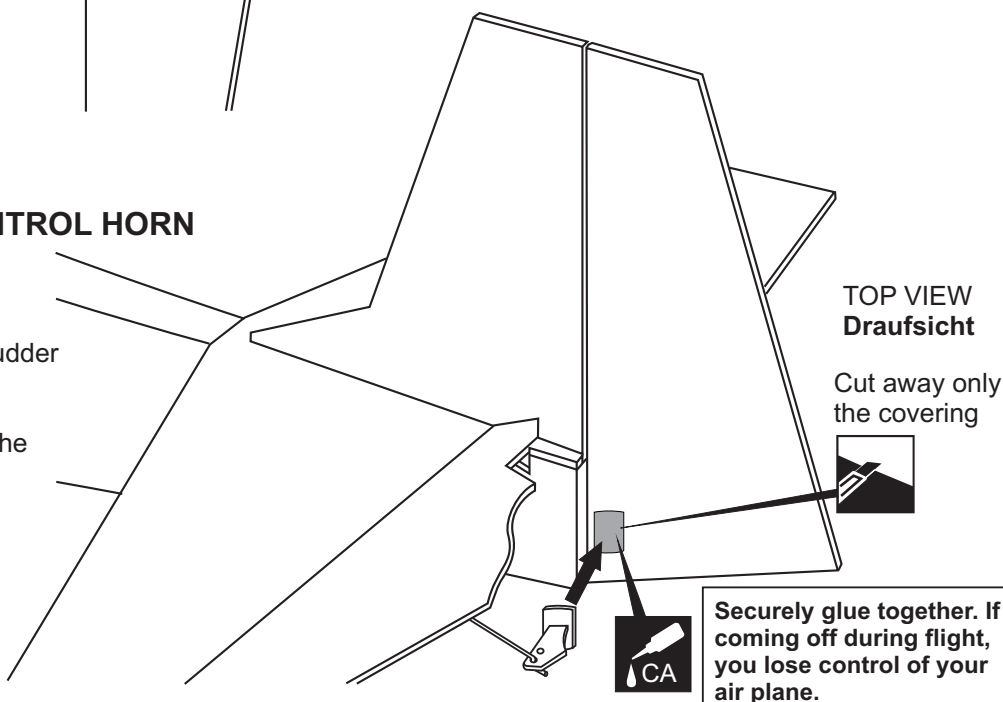
BOTTOM - VIEW  
Unteransicht

- 4- Secure the elevator control horn in place using CA glue.

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

### INSTALLATION RUDDER CONTROL HORN

- 1- Push the rudder pushrod into the white nylon pushrod guider.  
2- Insert the rudder pushrod into the rudder control horn.  
3- Place the rudder control horn onto the rudder and carefully cut away the covering where the rudder control horn meets the rudder.  
4- Secure the rudder control horn in place using CA glue.



TOP VIEW  
Draufsicht

Cut away only the covering

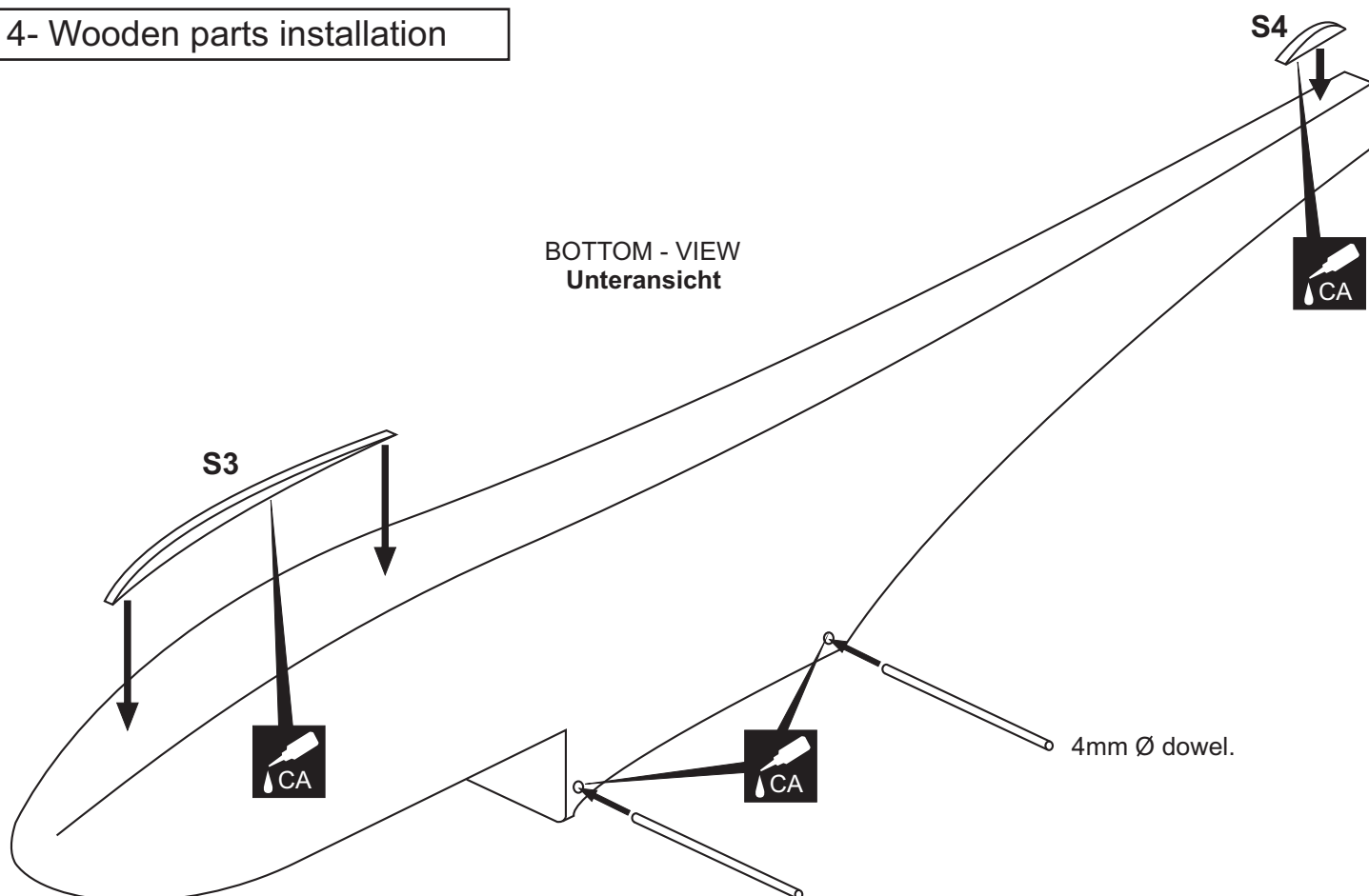
Securely glue together. If coming off during flight, you lose control of your air plane.



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

#### 4- Wooden parts installation

BOTTOM - VIEW  
Unteransicht

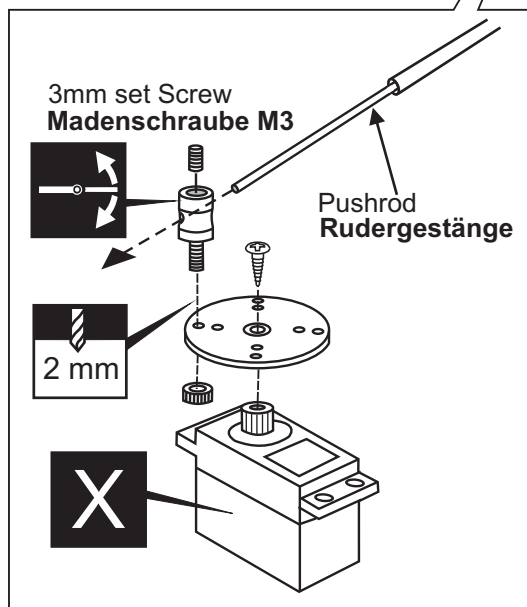


#### 5- Radio installation

Elevator servo  
Höhenruderservo

Rudder servo  
Seitenruderservo

TOP VIEW  
Draufsicht



## 6- Motor installation

1- Insert the Motor mount (3mm plywood) onto the motor. Secure it in place using four screw ( included with motor set).

2- Trial fit the Motor in place. Check the alignment of the Motor. When you are satisfied with the alignment, secure the Motor mount with fuselage using CA glue.

Motor mount (3mm plywood)

Motor mount

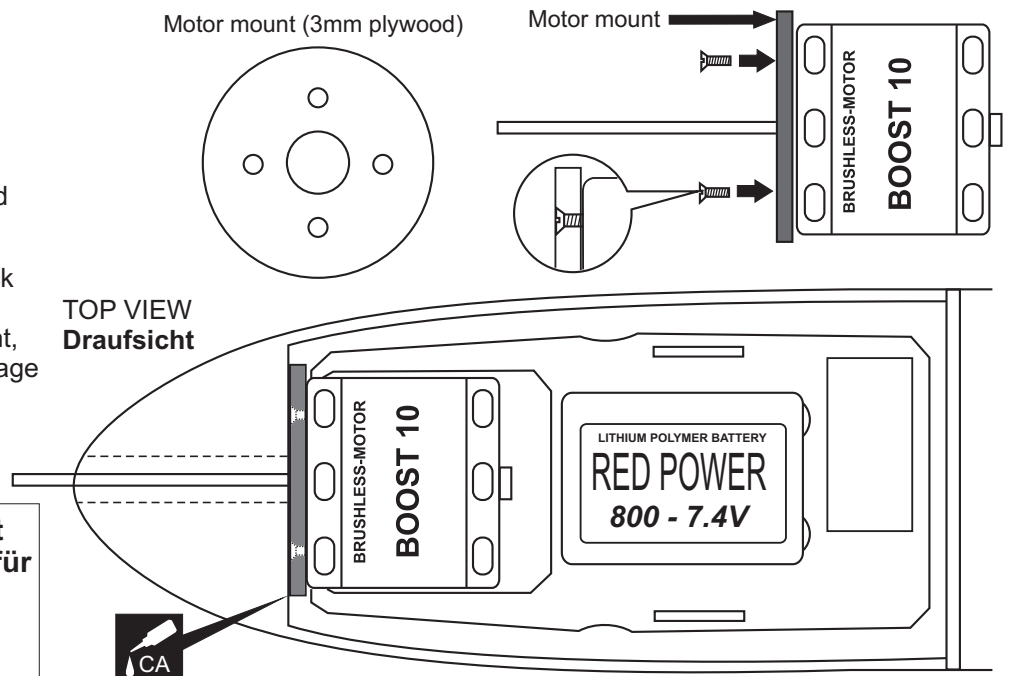
TOP VIEW  
Draufsicht

**Propulsion Set  
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Swallow**

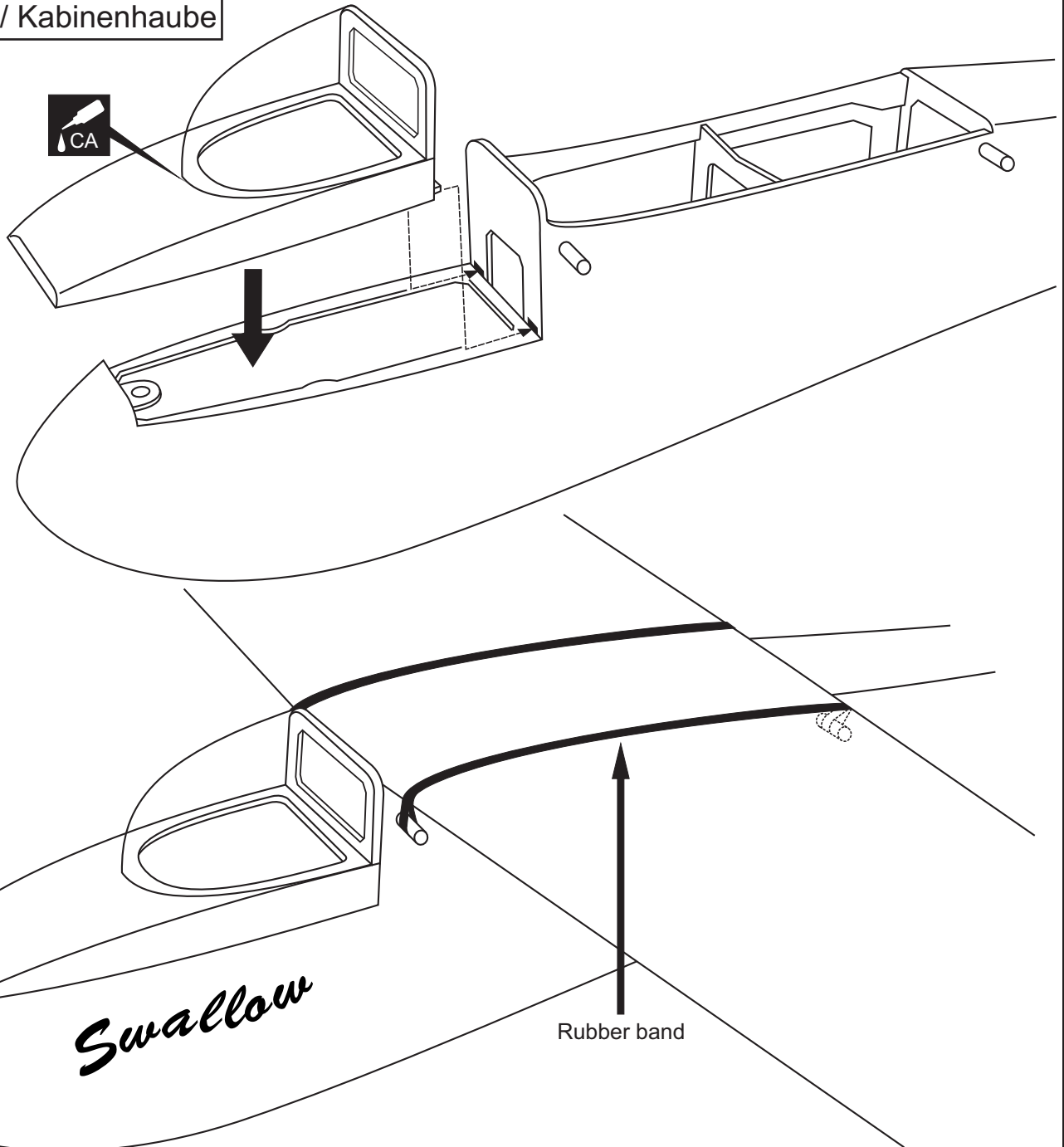
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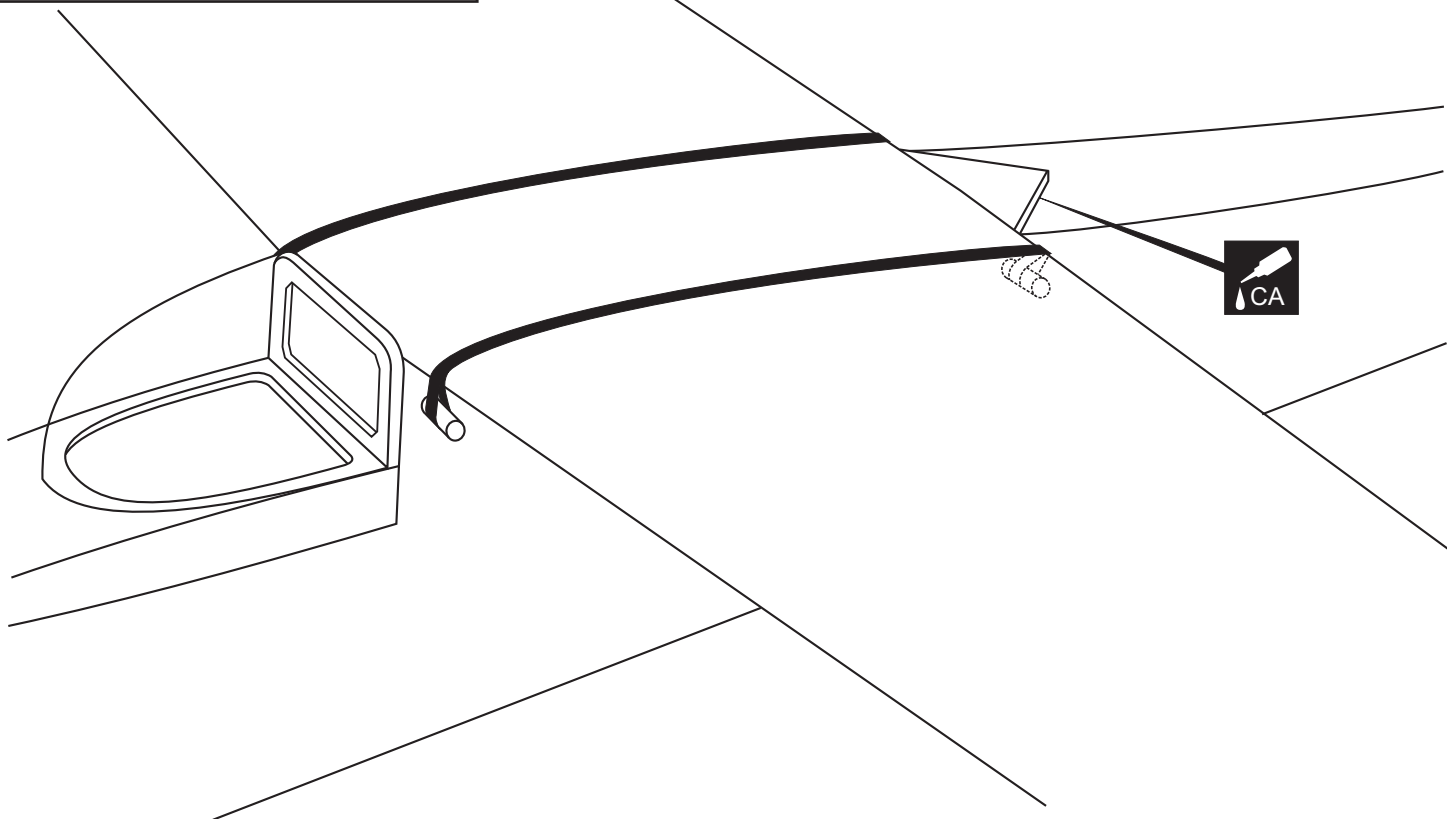


## 7- Canopy / Kabinenhaube



Rubber band

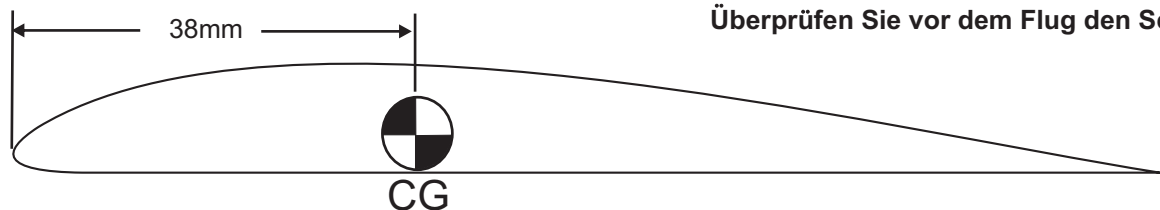
## 8- Wooden part installation



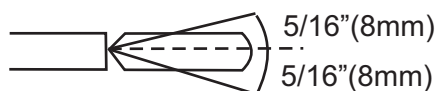
## 9- Balance / Schwerpunkt

Do not try to fly an out-of balance model!

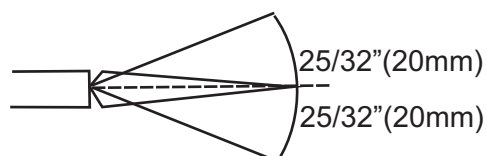
**Überprüfen Sie vor dem Flug den Schwerpunkt.**



**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.



**Höhenruderausschlag**  
ELEVATOR STROKE



**Seitenruderausschlag**  
RUDDER STROKE

## TEST GLIDING

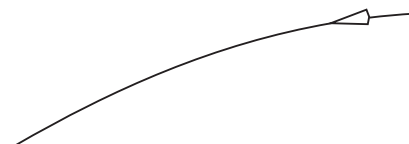
Test glide by launching over long grass to check the trim and stability. The model should always be launched into the wind and only fly in light wind conditions. Adjustments to the flight path can be made by slightly bending the rear edges of the tail surfaces. Deflecting the rear edge of the tailplane down will make the model dive, bending it up will make the nose rise (too much will make the model stall) Bending the rear of the fin will make the model turn or the wing can be "slewed" so that it is not square to fuselage.



Correct glide



Stall - add weight



Dive - remove weight