Radio control model / RC Motorflugmodell

A26K COUNTER INVADER

WINGSPAN: 68.in. / SPANNWEITER: 1730mm

ASSEMBLY INSTRUCTION / AUFBAUANLEITUNG

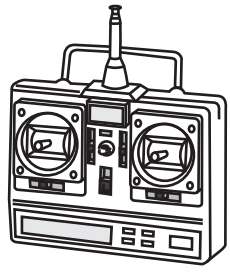
TWIN .25 - .32 CLASS - 2 CYCLE ENGINE
TWIN .40 - .52 CLASS - 4 CYCLE ENGINE
ZWEITAKTMOTOREN: 4 - 5.2cc (X2)
VIERTAKTMOTOREN : 6.5 - 8.5cc (X2)

NEXA

WARNING: This radio control model is not a toy. If modifier or flow carelessly, it could go out of control and cause serious bodily injury or propety damage, It is you responsi-bility to build this kit correctly, to properly install all components and to seek the help of an experi-enced R/C pilot for a pre-flight safety inspection and test flying

Achtung: Dieses Modell ist kein Spielzeug!
Sollten Sie mit solch motorisiertem Modell keine Erfahrung haben, wenden Sie sich bitte an erfahrene Modellflieger, die Sie unterstützen können.
Es könnte zu Verletzungen kommen, wenn das Modell ohne Vorkenntnisse in Betrieb genommen wird. Denken Sie immer an die Sicherheit und Ihre Gesundheit.

REQUIRED FOR OPERATION (Purchase separately)
BENÖTIGTE KOMPONENTEN FÜR DEN ABFLUG (Nicht enthalten)

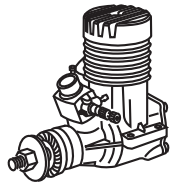


Minimum 7 channel radio
for airplane / 6 servos.

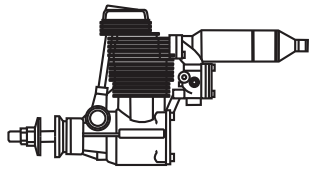
Throttle servo x2, Aileron servo x 2
Rudder servo x 1, Elevator x 1

Minimum 7 Kanal
Fernsteuerung / 6 servos.

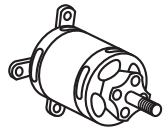
9 x 7 for .32 - 2 cycle engine (x2)
10x7 for .52 - 4 cycle engine (x2)



.25 ~ .32 cu.in. (X2)
4 ~ 5.2 cc (x2)

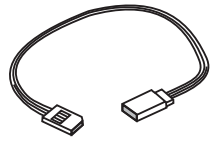


.40 ~ .52 cu.in. (X2)
6.5 ~ 8.5cc (x2)



400Watt
Brushless motor (x2)

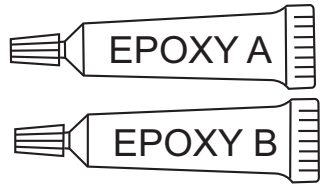
Silicone tube



Extension cord x 4
Servoverlangerungskabe x 4l

Cyanoacrylate Glue
Klebstoff

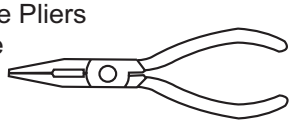
Silicon sealer



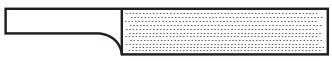
Epoxy Glue (30 minutes type)
Epoxy-Klebstoff (30min-Typ)

Hobby knife
Teppichmesser

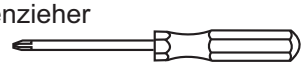
Needle nose Pliers
Nadelzange



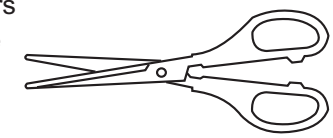
Sander
Pfeile



Phillip screw driver
Kreuzschlitz-
schraubenzieher



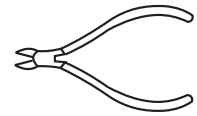
Scissors
Schere



Hex Wrench

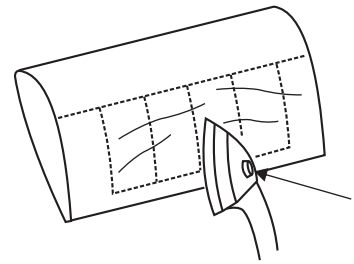
Awl
Pfriem

Wire Cutters
Kneiftzange



The pre-covered film on ARF kit may wrinkle due to variations of temperature. Smooth out as explained right.
* Use an iron or heat gun. Start as low setting. Increase the setting if necessary. If it is too high, you may damage the film.

Die Bespannung des ARF-Kits kann je nach Temperatur Falten werfen. Glätten Sie diese, wie rechts auf der Abbildung ersichtlich. Benutzen Sie ein Bügeleisen. Starten Sie in einer niedrigen Stufe, un erhöhen Sie diese nur wenn notwendig. Wenn das Bügeleisen zu heiß wird, beschadigen Sie die Bespannung.



Low setting
Niedrige Stufe

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

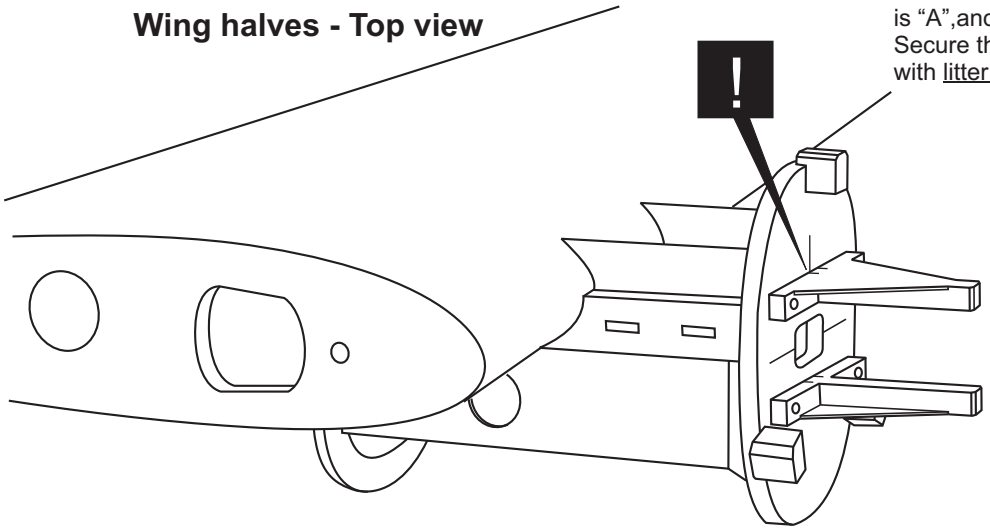
Sekundenkleber auftragen

Linke und rechte Seite wird gleichermaßen zusammengebaut

Nicht enthalten. Teile müssen separat gekauft werden.

Wing: Engine mounts

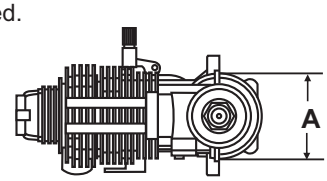
Wing halves - Top view



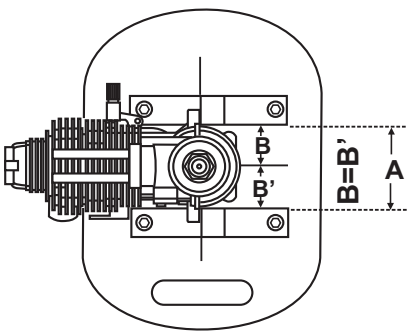
Attach the engine mount beams onto the fire-wall so the distance between of two engine mount beams is “A”,and B=B’ as show.
Secure the engine mount beams onto the fire-wall with litter CA glue (1B)

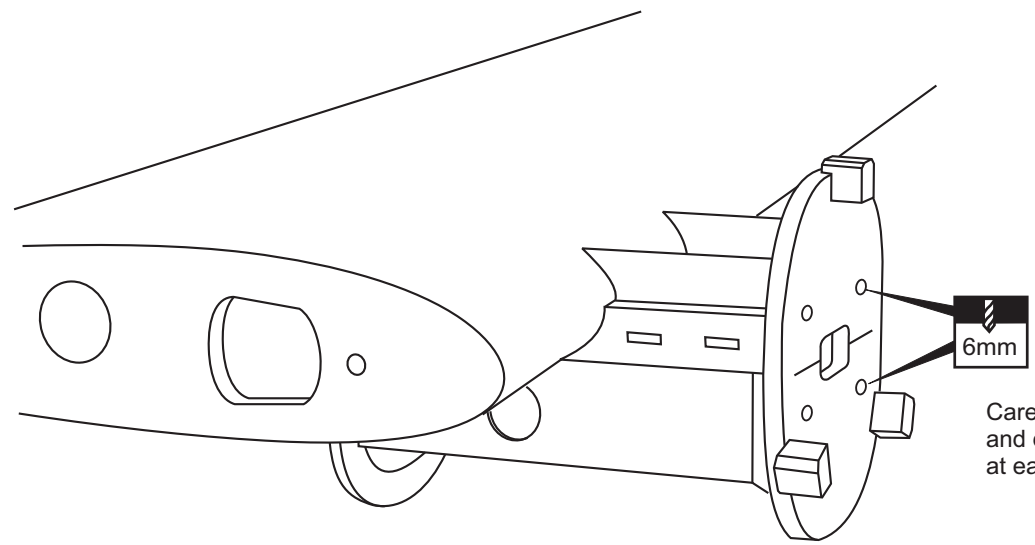
! **Align the mark on both engine mount beams with the mark on the fuselage**

Using a pencil or felt tipped pen, mark the fire wall where the four holes are to be drilled.



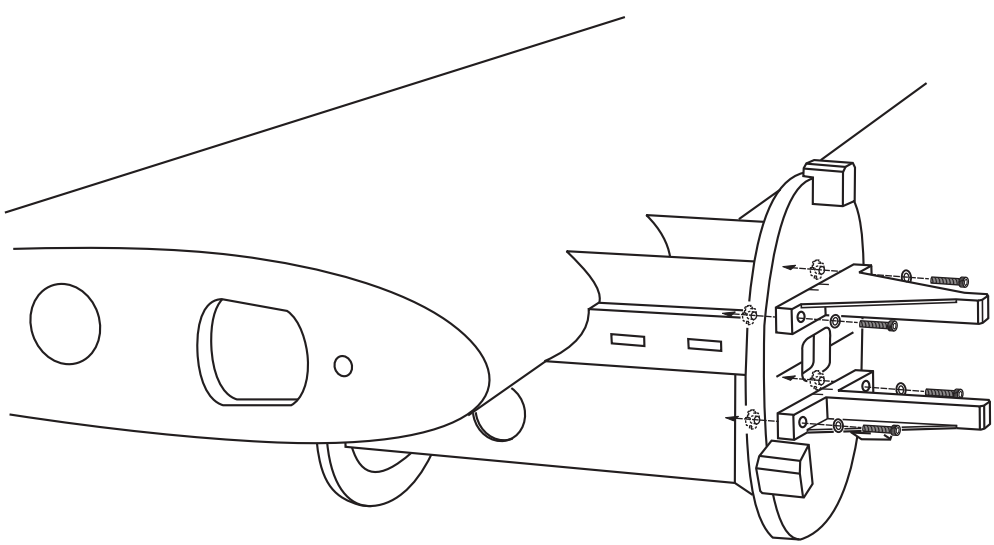
FRONT-VIEW





Carefully remove the engine mount beams and drill a 6mm hole through the fire-wall at each of the four marks made above.

L/R Assemble left and right wings the same way.



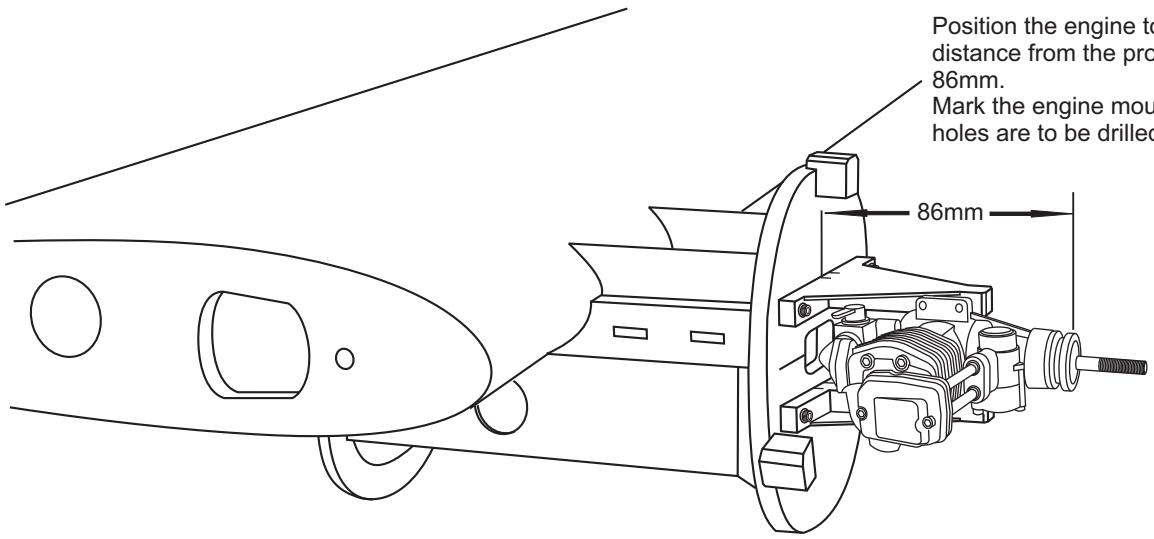
4x20mm screw - washer 4

Blind-nut 4

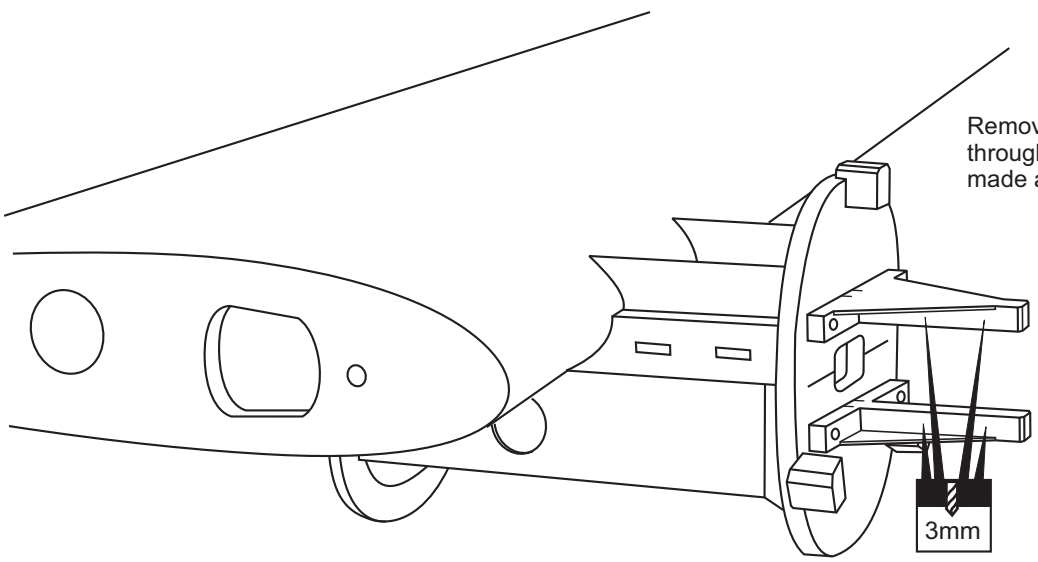
Insert the blind-nut onto each of the four holes make above.

Reposition the engine mount beams on to the fire-wall and secure them with four 4x25mm screw.

L/R Assemble left and right wings the same way.

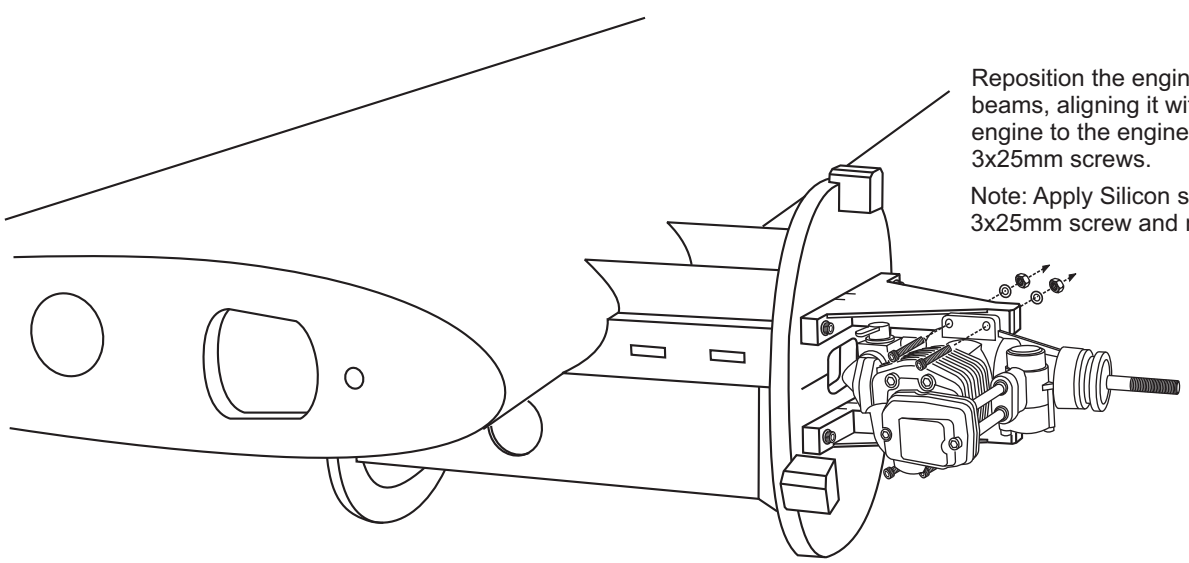


Position the engine to the engine mounts so the distance from the prop hub to the fire-wall is 86mm.
Mark the engine mounting plate where the four holes are to be drilled.



Remove the engine and drill a 3mm holes through the beam at each of the four marks made above.

Marking sure that you drill the hole perpendicular to the beam of the engine mount.



Reposition the engine on the engine mount beams, aligning it with the holes. Secure the engine to the engine mount using four 3x25mm screws.

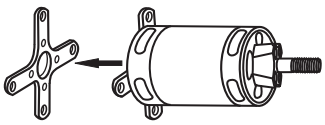
Note: Apply Silicon sealer to each of the 3x25mm screw and nut.

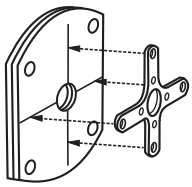
3x25mm screw 4
Washer 4

A-26K INVADER

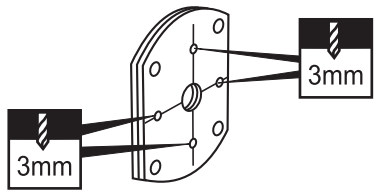
Wing: Electric motor

L/R Assemble left and right wings the same way.

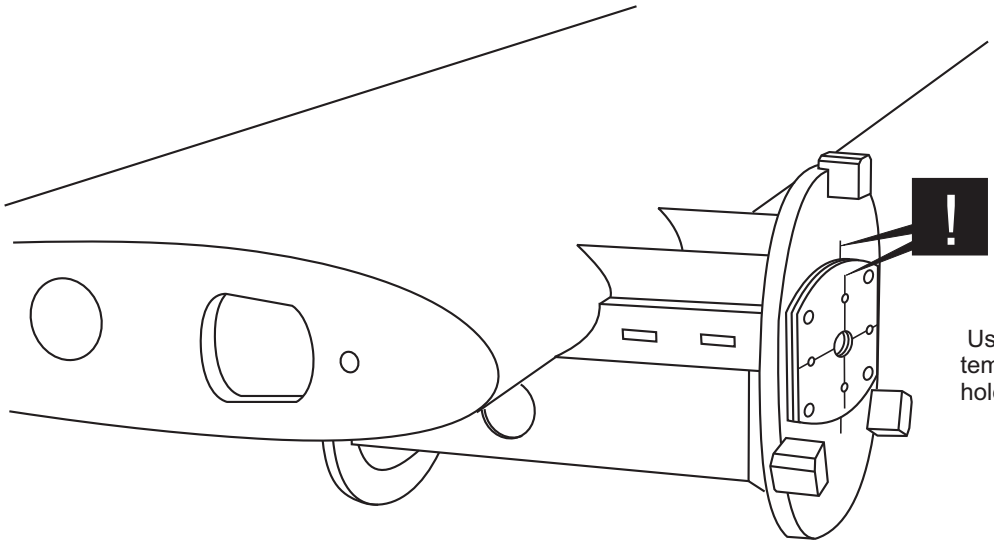




Using a aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled.

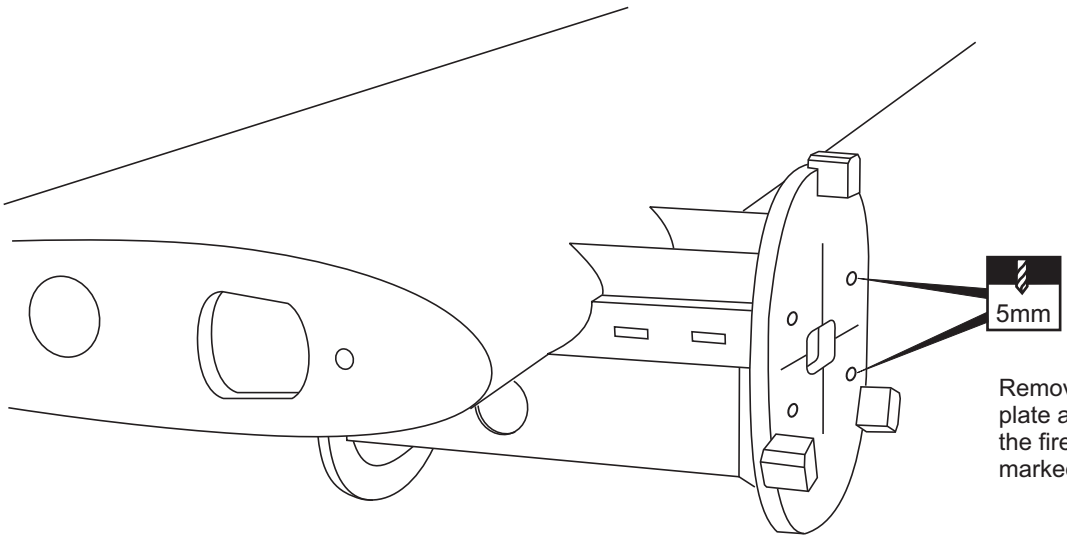


Remove the aluminum motor mounting plate and drill a 1/8”(3mm) hole through the plywood at each of the four marks marked .



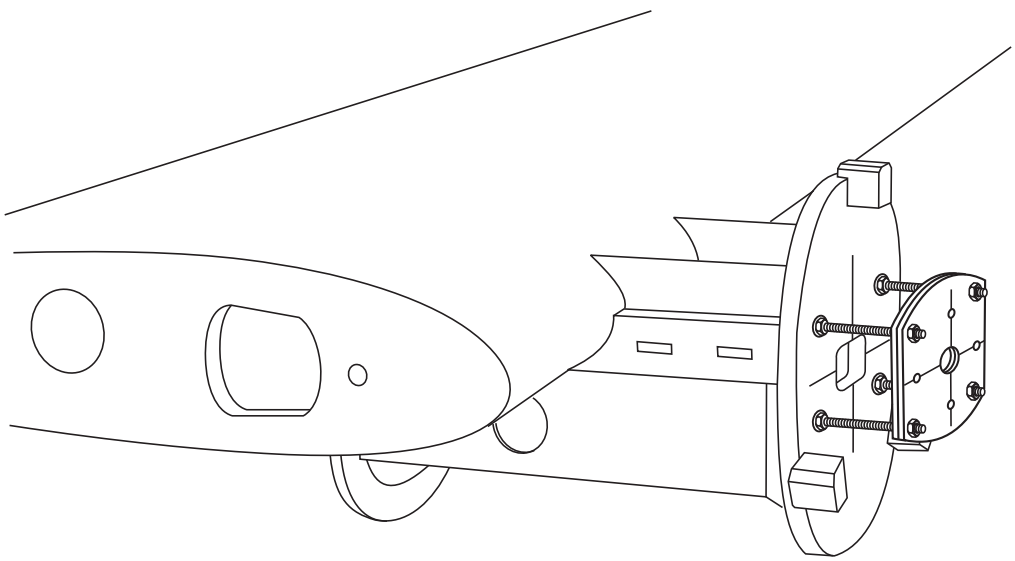
! **Align the mark on wooden motor mounting plate with the mark on the fire-wall.**

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



Wing halves - Top view

Remove the wooden motor mounting plate and drill a 5mm hole through the fire-wall at each of the four marks marked .

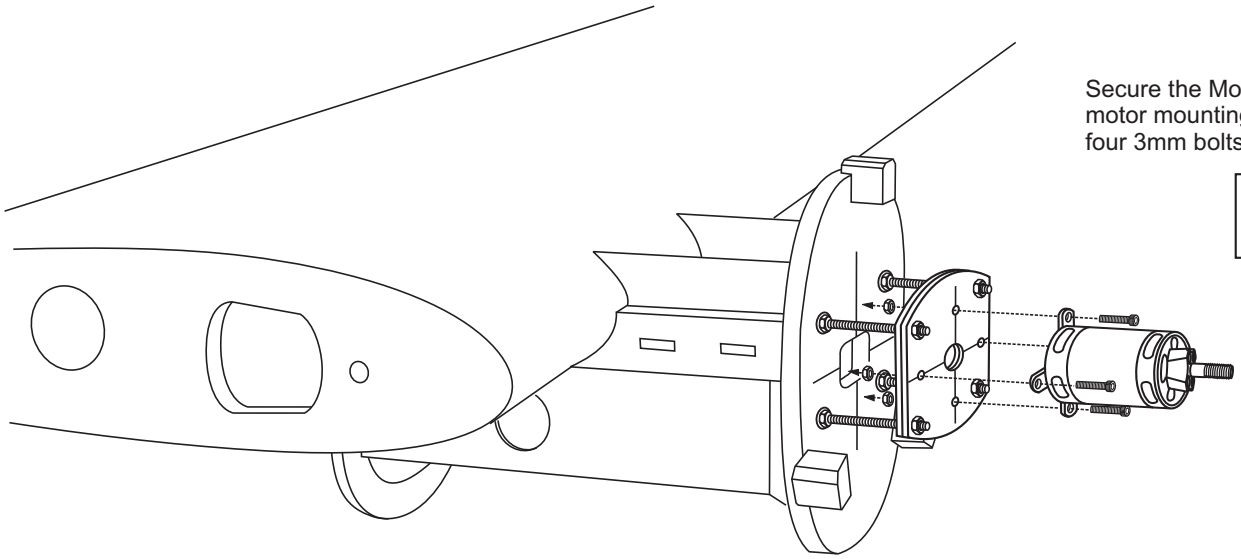


Attach the four 5x70mm bolts and nuts to the fire-wall as shown.

5x80mm bolts.....8
5mm nut.....24
5mm washer...32

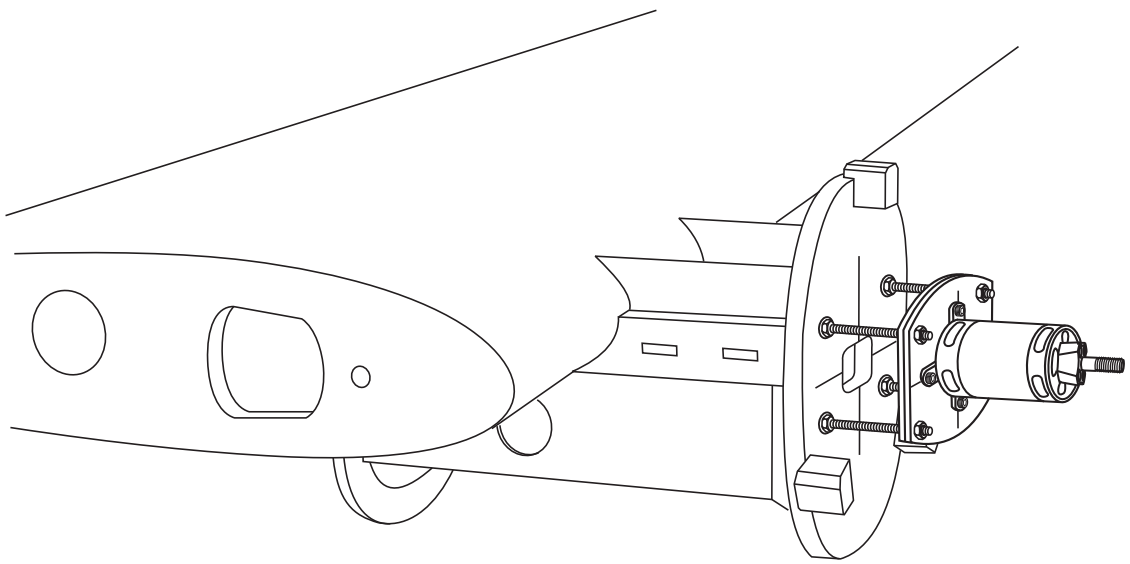
Wing: Electric motor

L/R Assemble left and right wings the same way.

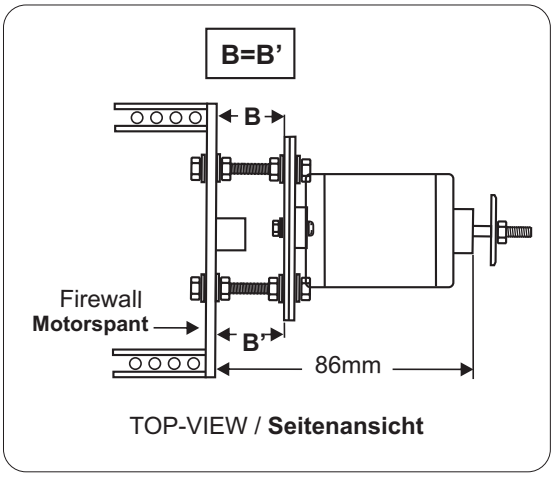


Secure the Motor to the wooden motor mounting plate using the four 3mm bolts.

3mm bolt / nut...4



Adjust the 5x80mm bolts so that the distance from the fire-wall to the hub of motor is 86mm as show.

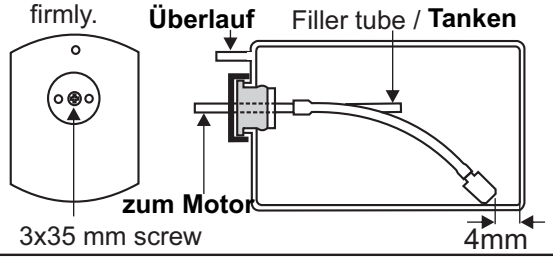


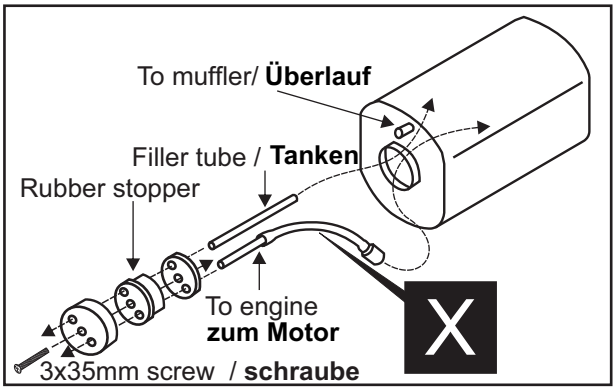
TOP-VIEW / **Seitenansicht**

Wing: Fuel tank - Frame - Dowel

L/R Assemble left and right wings the same way.

After confirming the direction . Insert this assembly, clunk end first, into the fuel tank and tighten and screw the fuel tank cap on firmly.



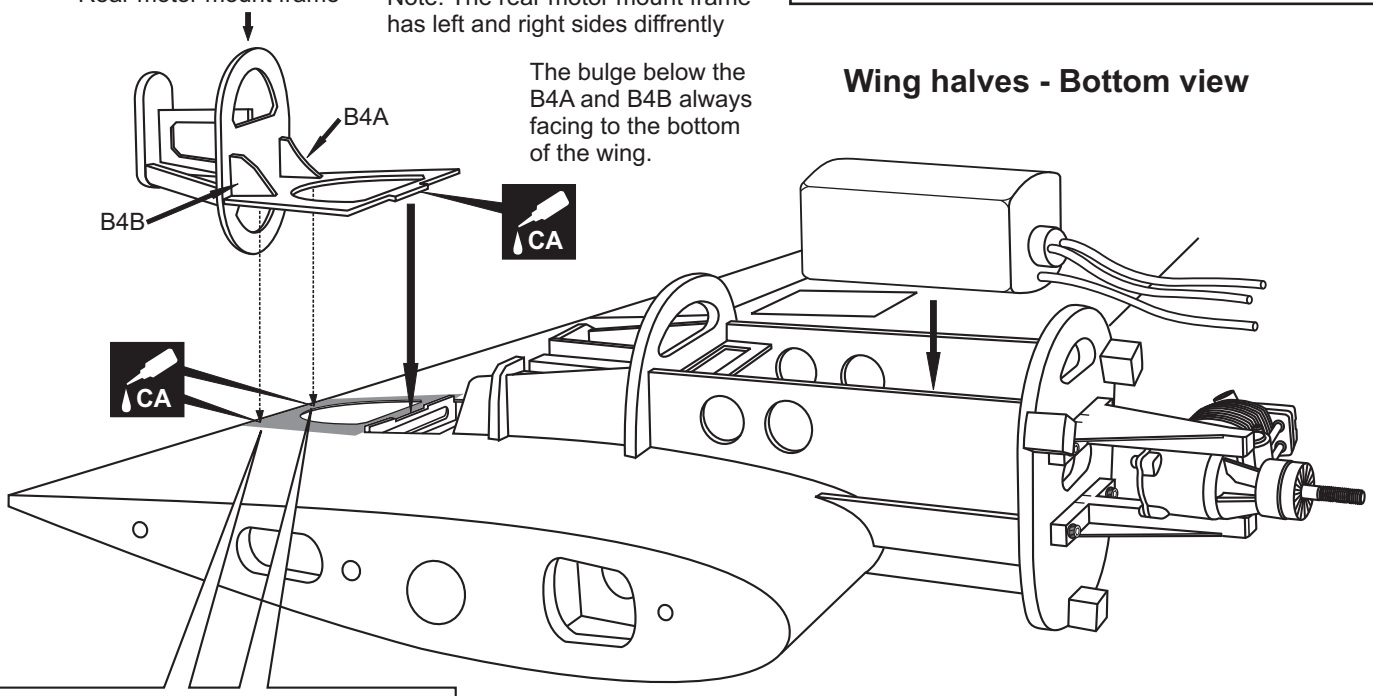


Rear motor mount frame

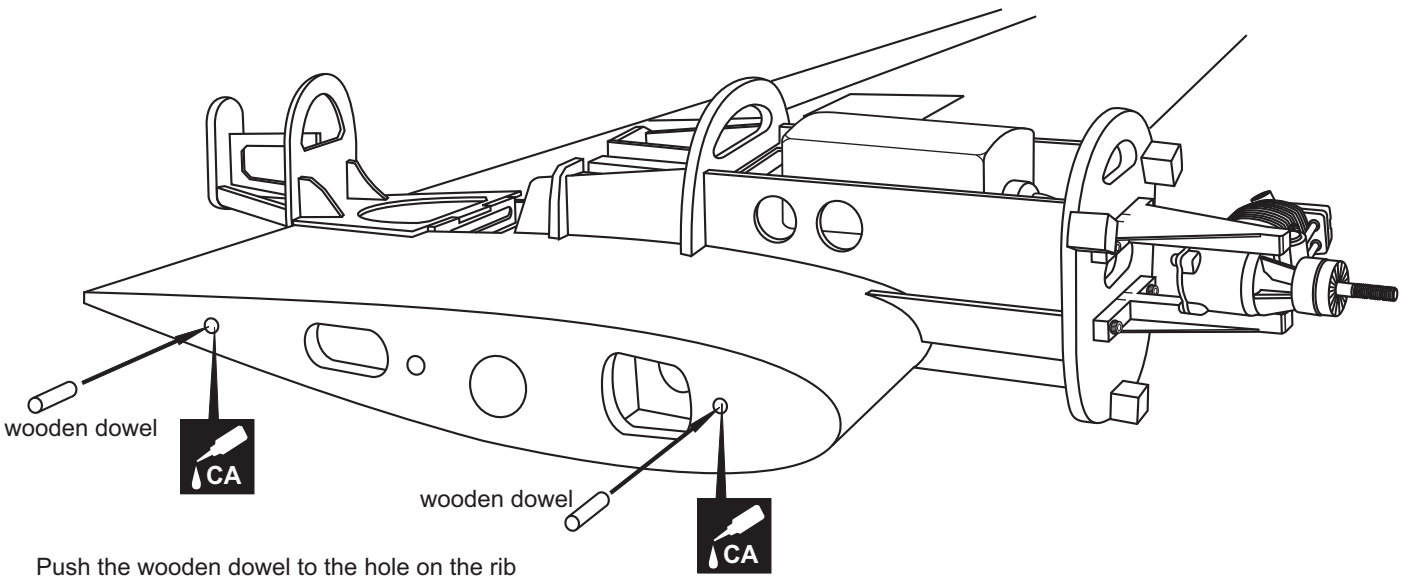
Note: The rear motor mount frame has left and right sides diffrently

The bulge below the B4A and B4B always facing to the bottom of the wing.

Wing halves - Bottom view



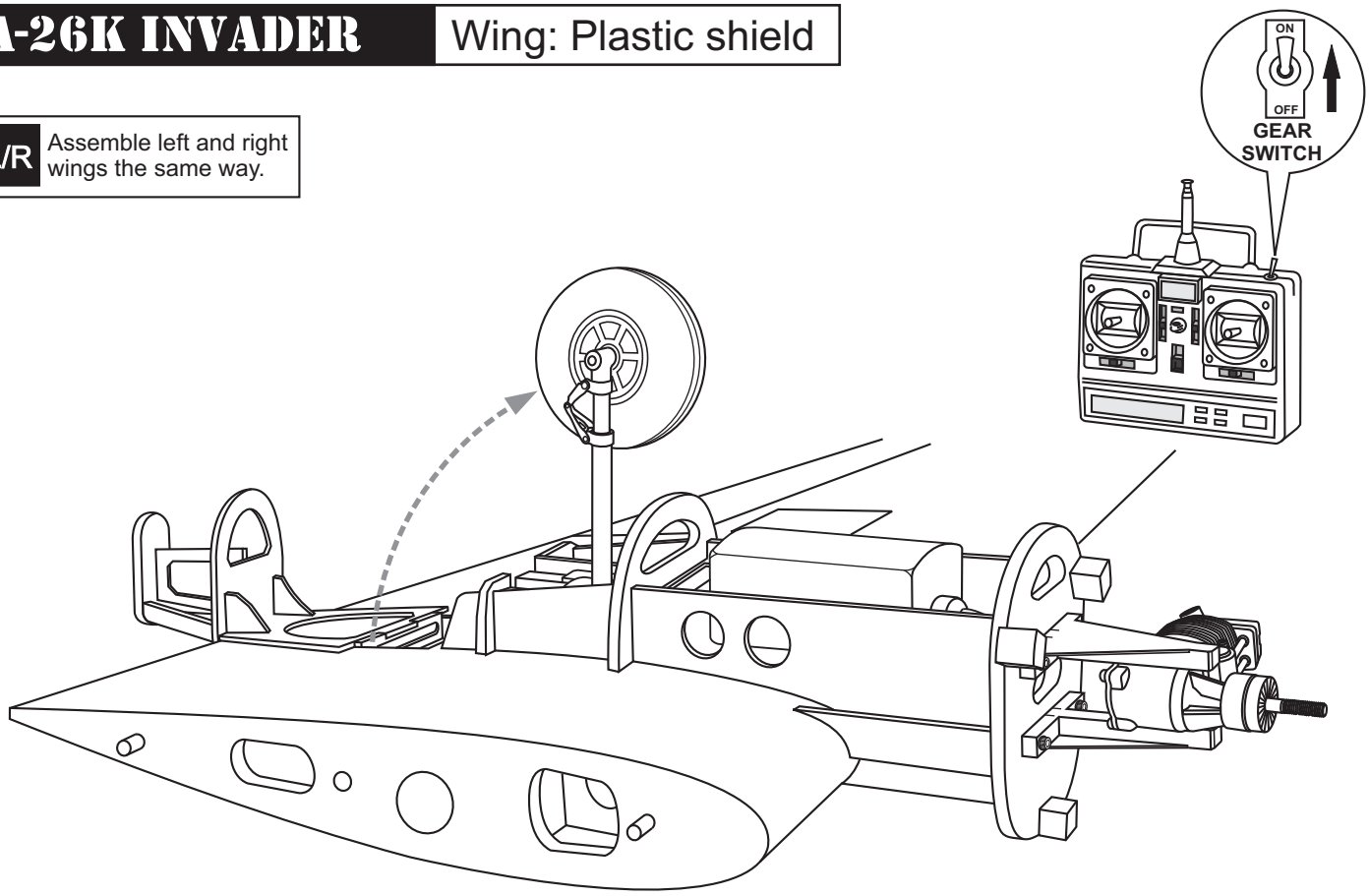
These two slots are already cut at facrory



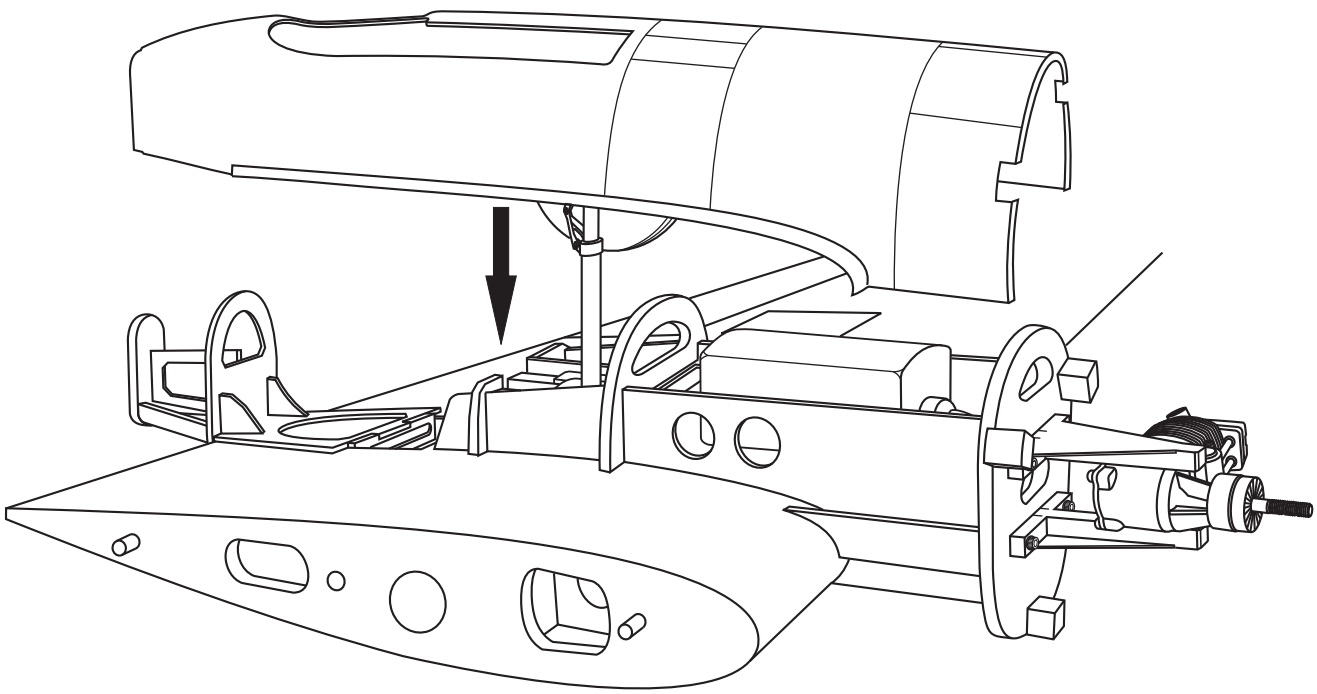
Push the wooden dowel to the hole on the rib as show. Ensure that the dowel is rectangular with the rib.
Secure it in place using the thin CA glue.

Wing: Plastic shield

L/R Assemble left and right wings the same way.

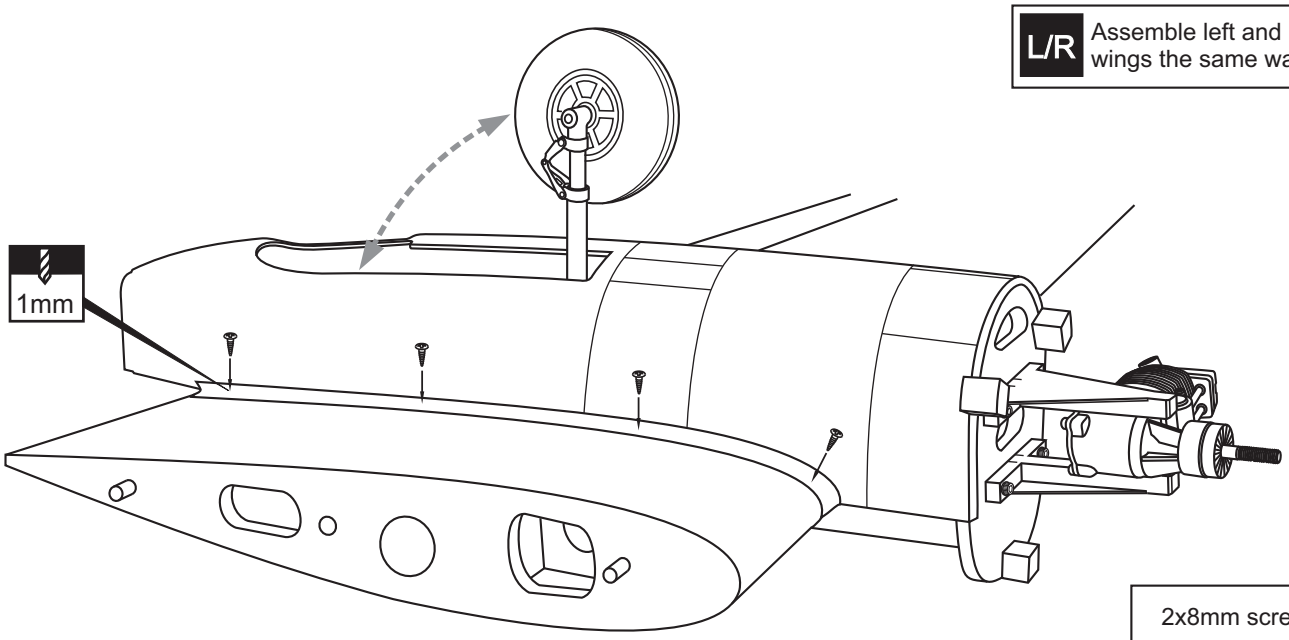


Wing halves - Bottom view

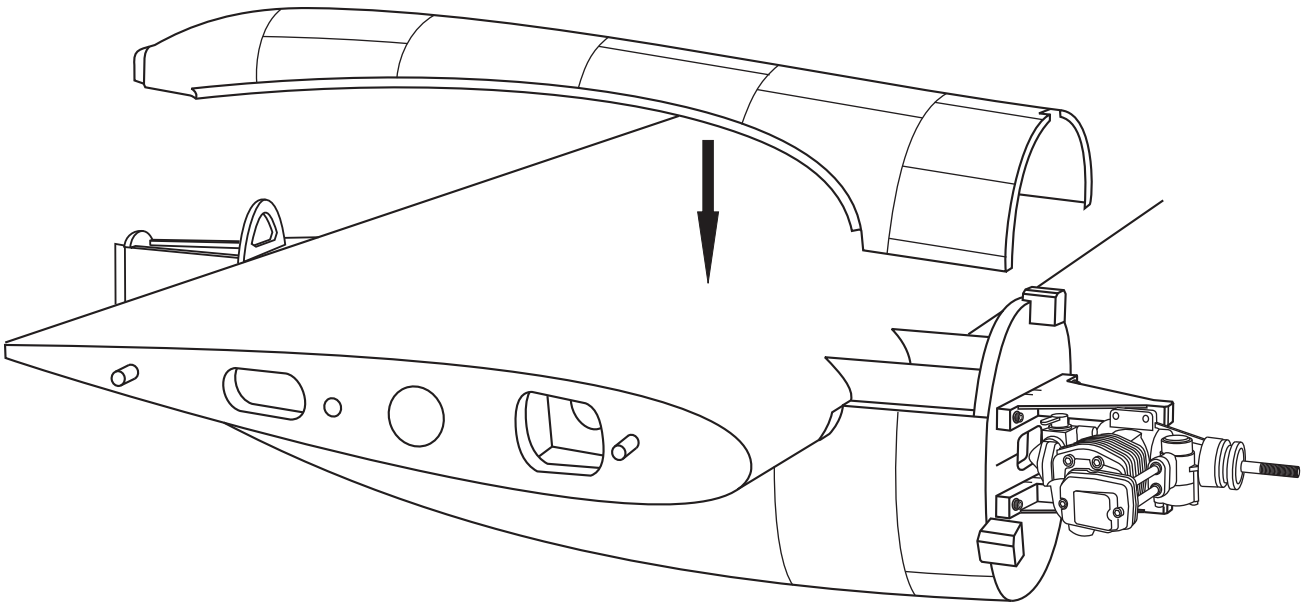


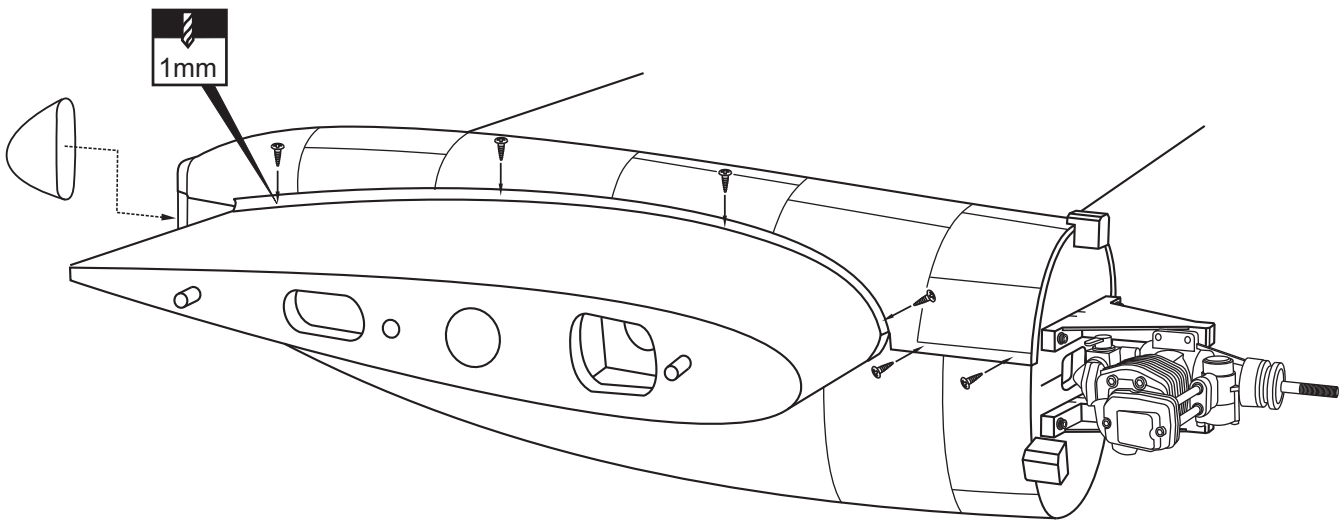
Wing: Plastic shield

L/R Assemble left and right wings the same way.

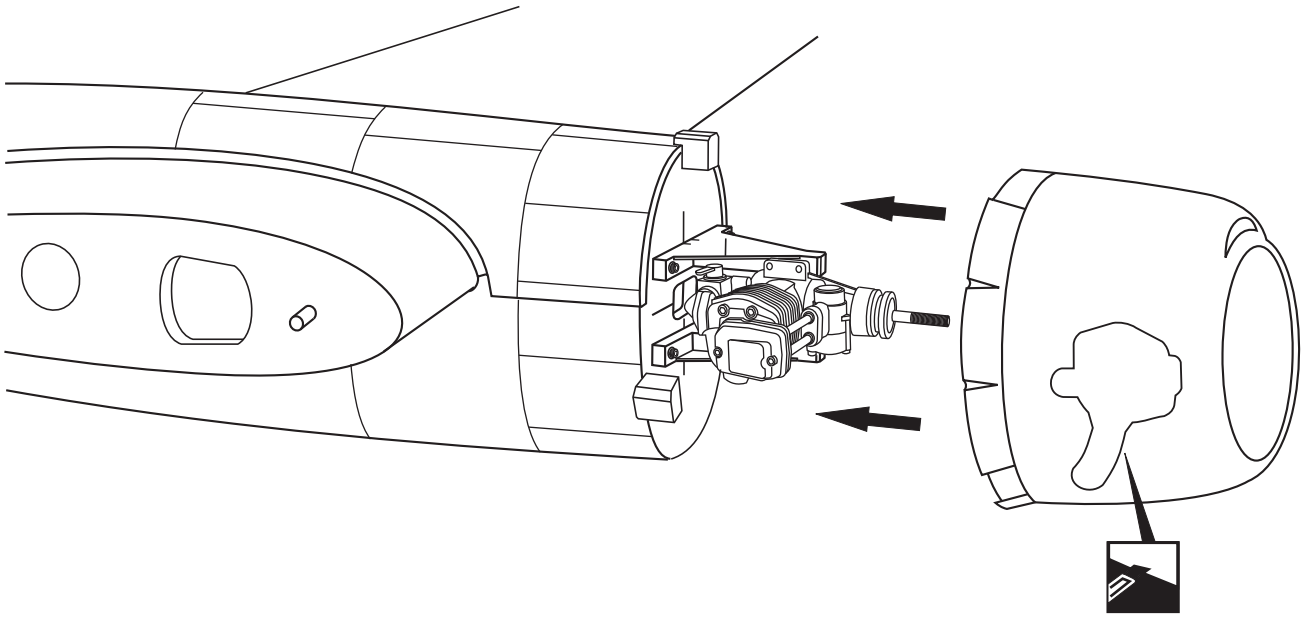


2x8mm screw 46

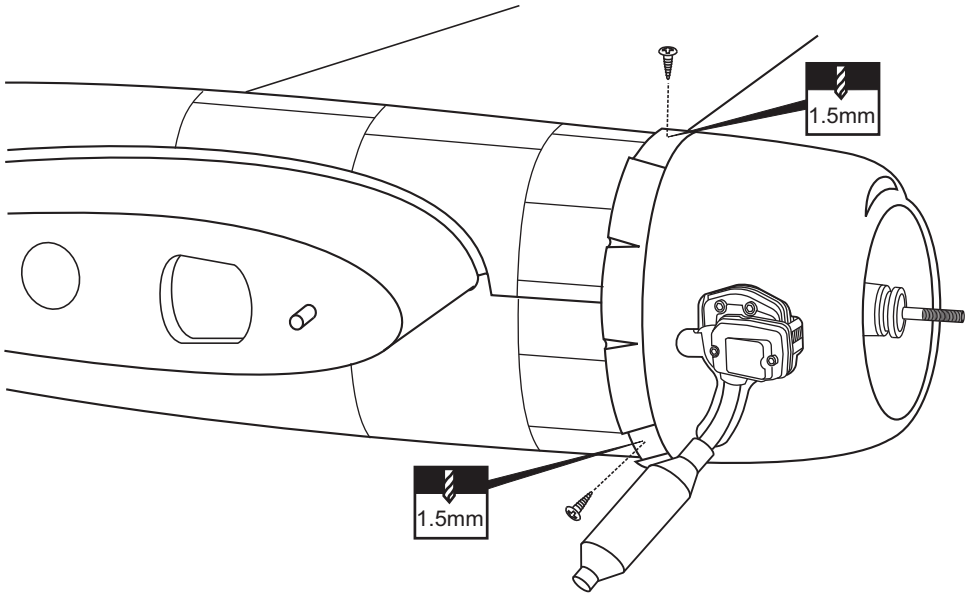




L/R Assemble left and right wings the same way.

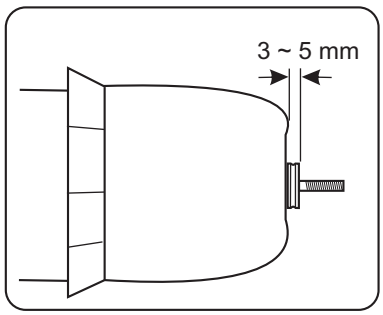


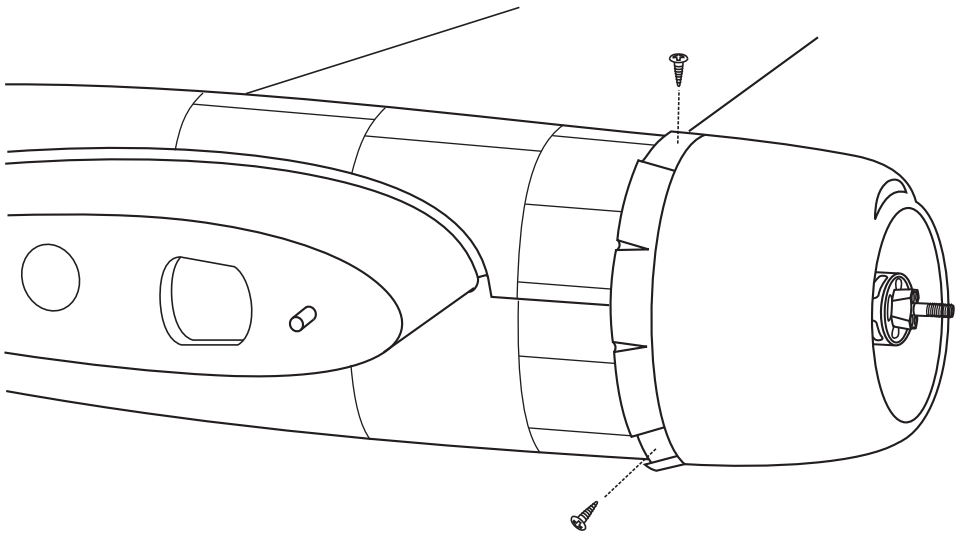
Cut the opening



2.5x10mm screw 6

Glow engine





Electric motor

Wing: Aileron servo

Use the fishing line inside each wing to lead the aileron servo extension cord all through the wing.

L/R Assemble left and right wings the same way.

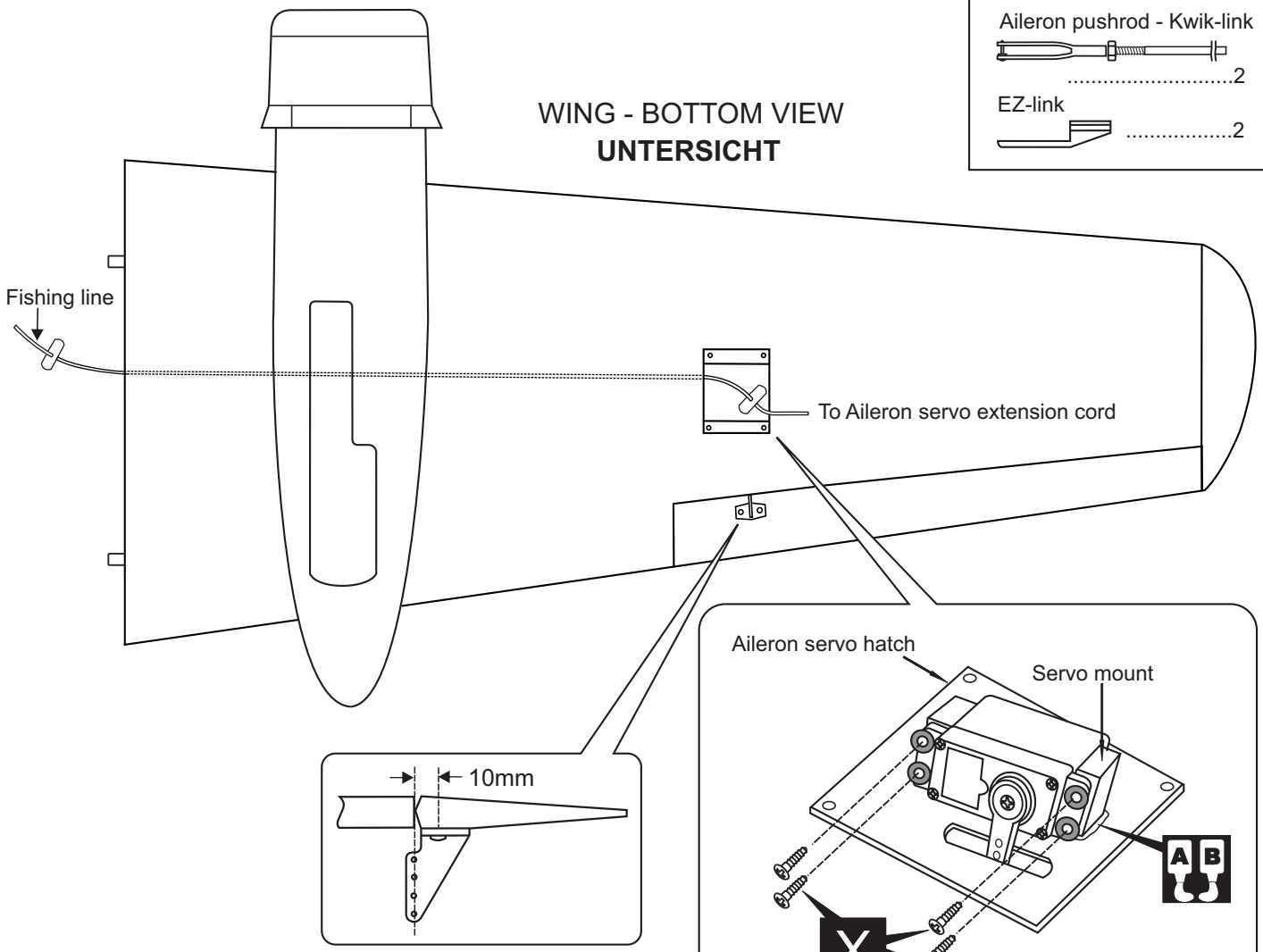
Plastic control horn 2

2x15mm screw 4

Aileron pushrod - Kwik-link 2

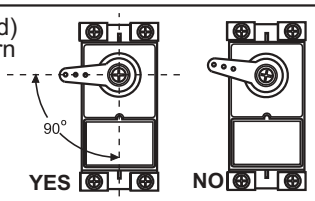
EZ-link 2

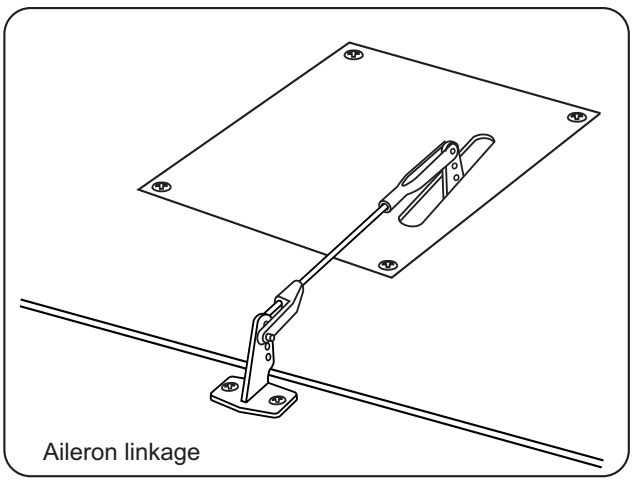
WING - BOTTOM VIEW
UNTERSICHT



Aileron servo installation - Bottom view

-Switch on the radio (trims centered) Then mount the ailerons servo horn In neutral position.
-The servo horn should be Perpendicular to the servo

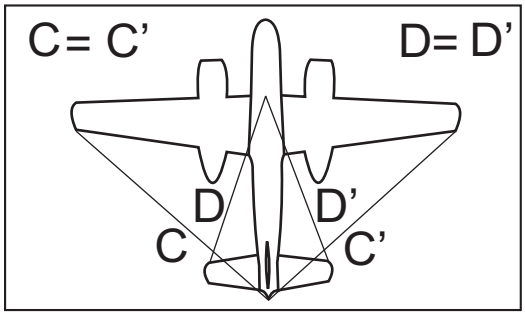


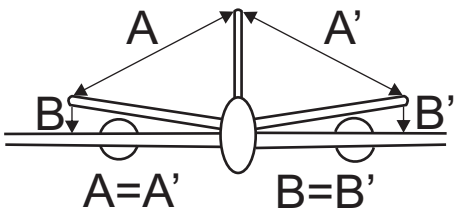


Aileron linkage

A-26K INVADER Stabilizer

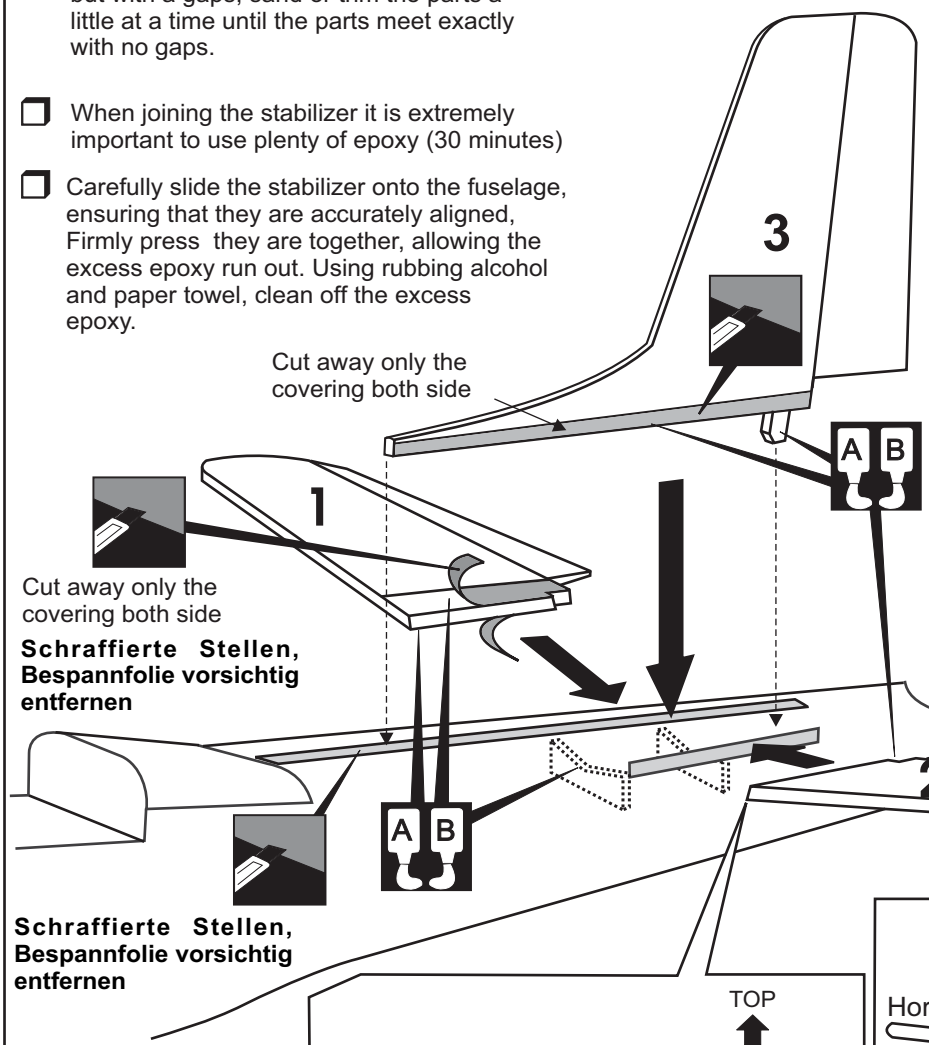
- Trial fit each part before gluing . Be certain that there are no gaps. If the parts will join, but with a gaps, sand or trim the parts a little at a time until the parts meet exactly with no gaps.
- When joining the stabilizer it is extremely important to use plenty of epoxy (30 minutes)
- Carefully slide the stabilizer onto the fuselage, ensuring that they are accurately aligned, Firmly press they are together, allowing the excess epoxy run out. Using rubbing alcohol and paper towel, clean off the excess epoxy.



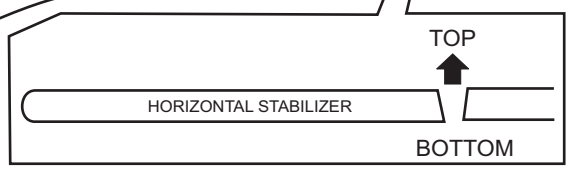


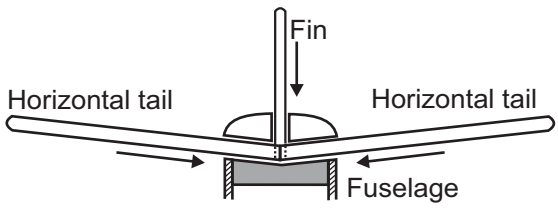
! Securely glue together. If coming off during flights. You lose control of your plane

Vergewissern Sie sich, sauber geklebt zu haben Andernfalls können Probleme mit der Flugeigenschaft auftreten !

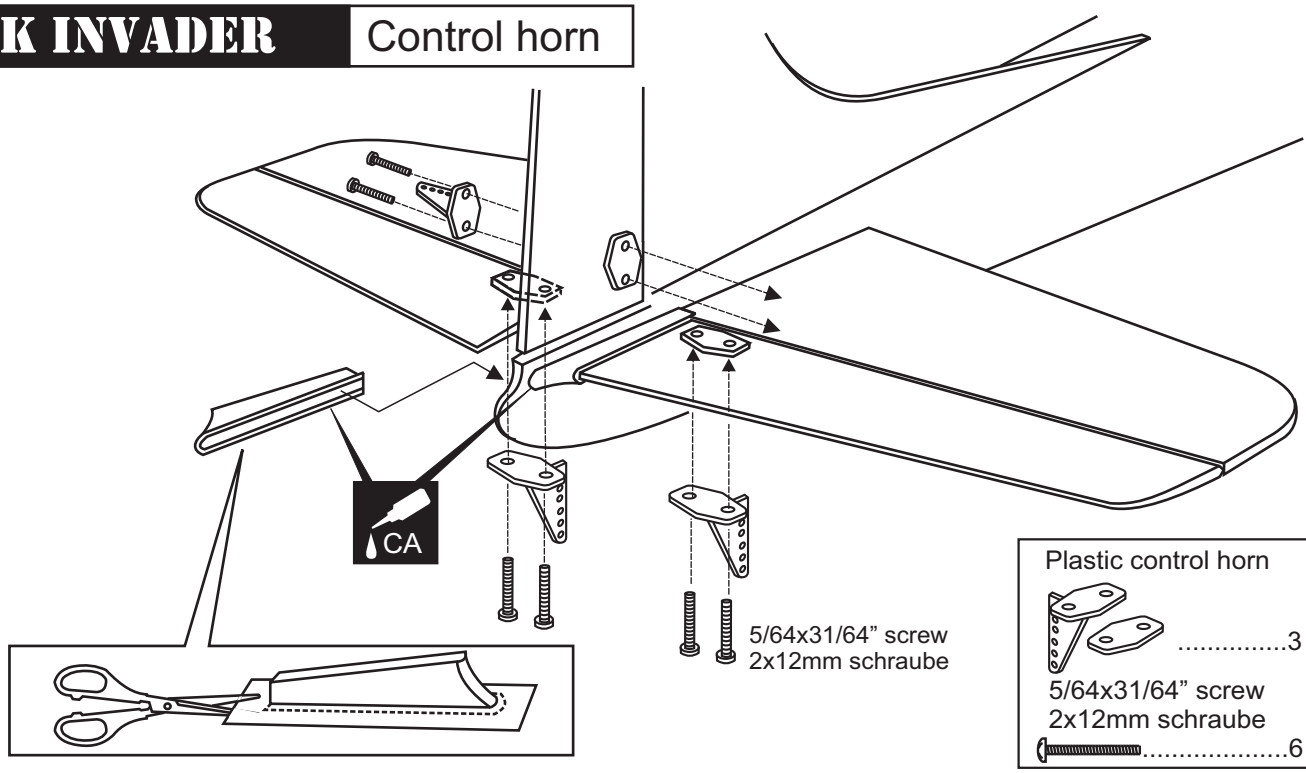


1→ 2→3





A-26K INVADER Control horn

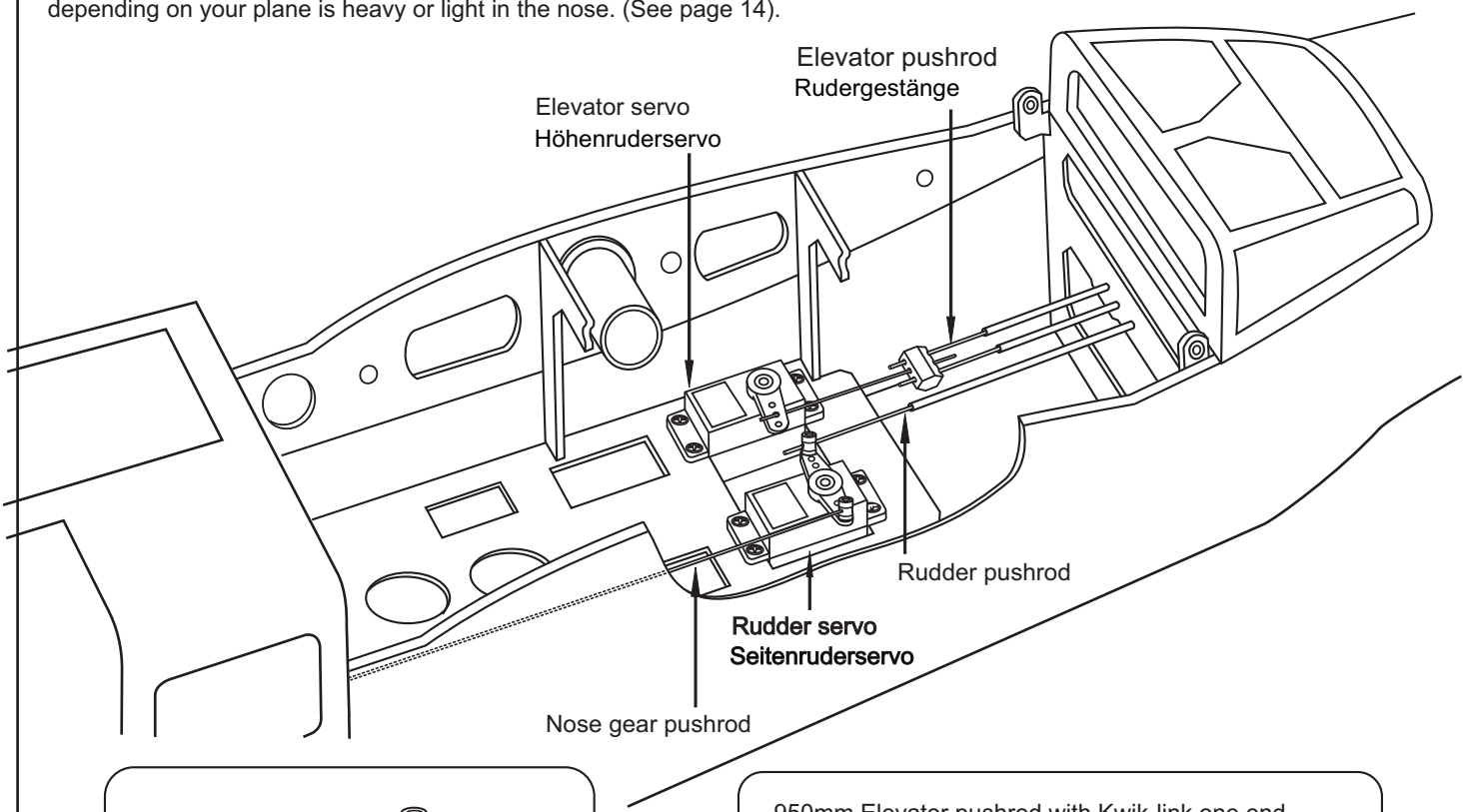


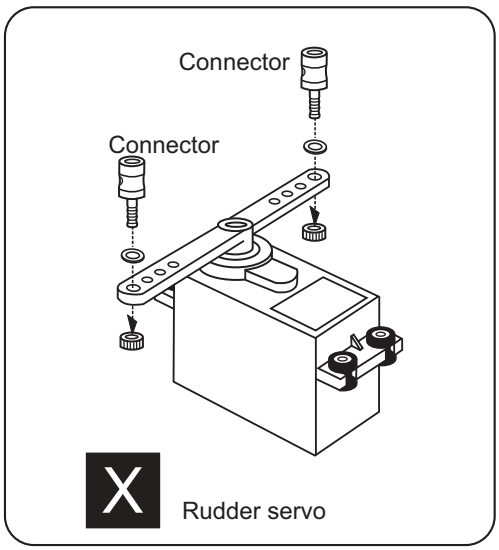
Plastic control horn 3

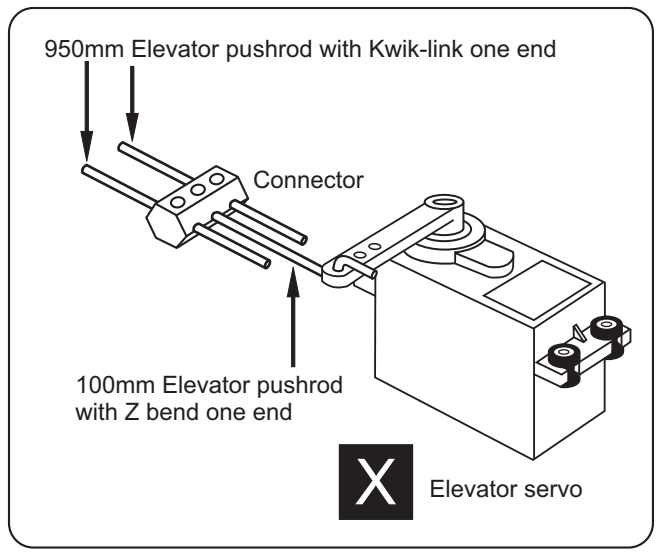
5/64x31/64" screw
2x12mm schraube 6

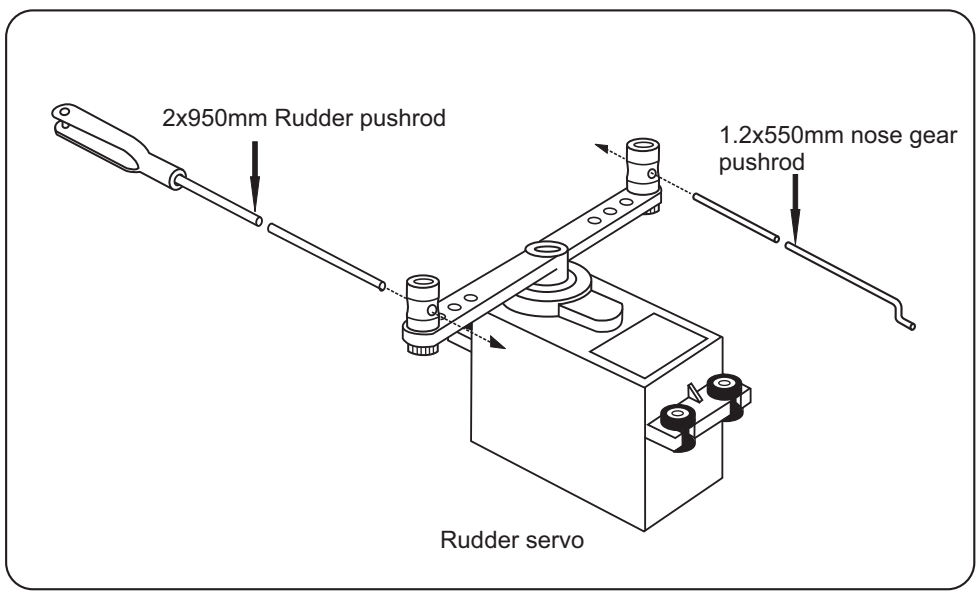
Servo and linkages

Note: You can attach the nose gear servo at the nose or middle of the fuselage depending on your plane is heavy or light in the nose. (See page 14).









Connector 1

Connector 2

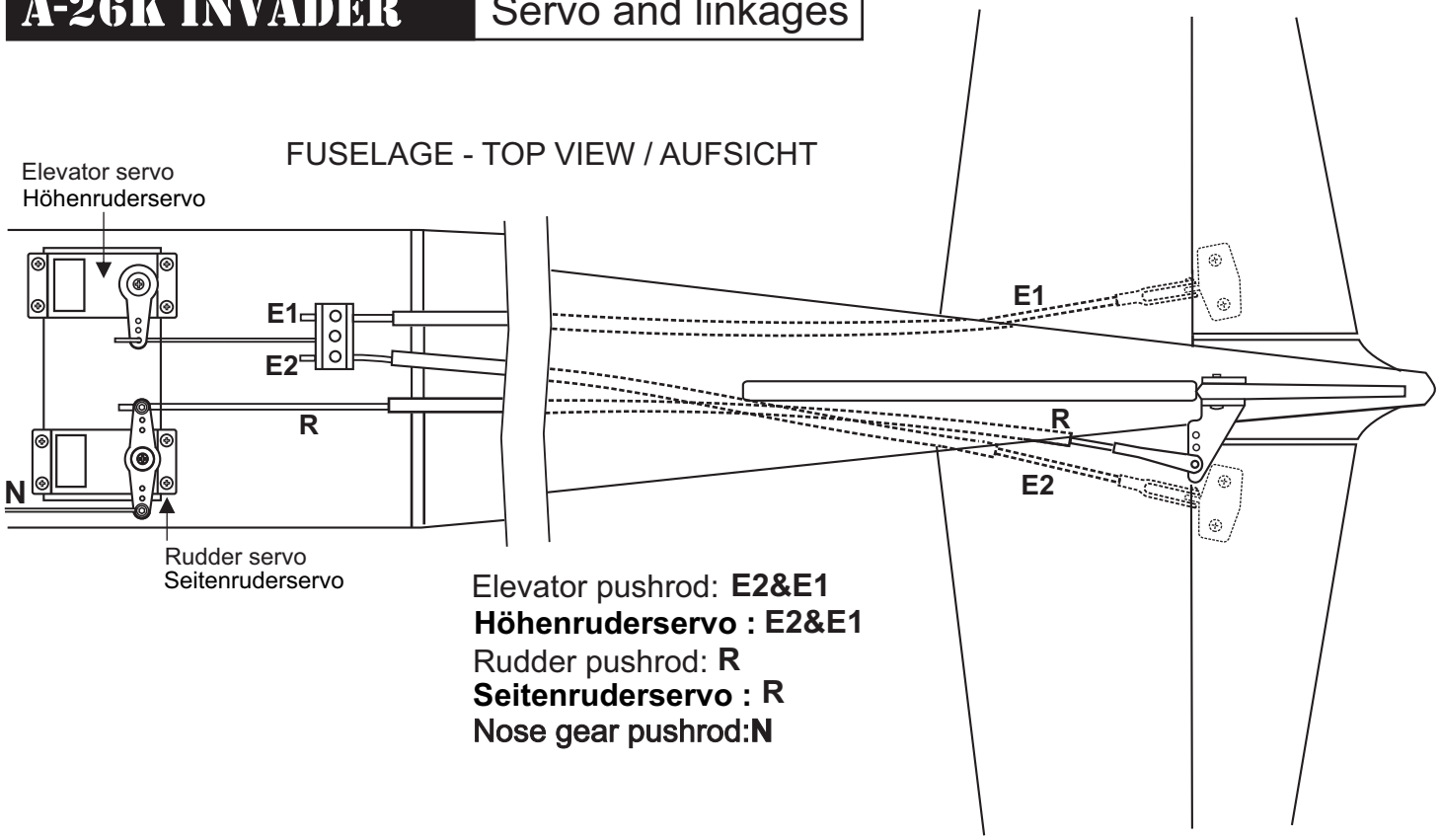
1.2x550mm pushrod 1

2x950mm pushrod with Kwik-link one end 3

A-26K INVADER

Servo and linkages

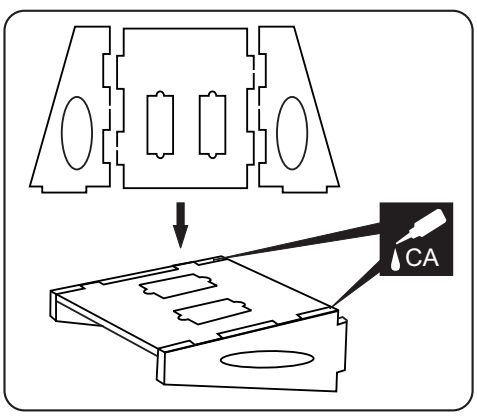
FUSELAGE - TOP VIEW / AUFSICHT



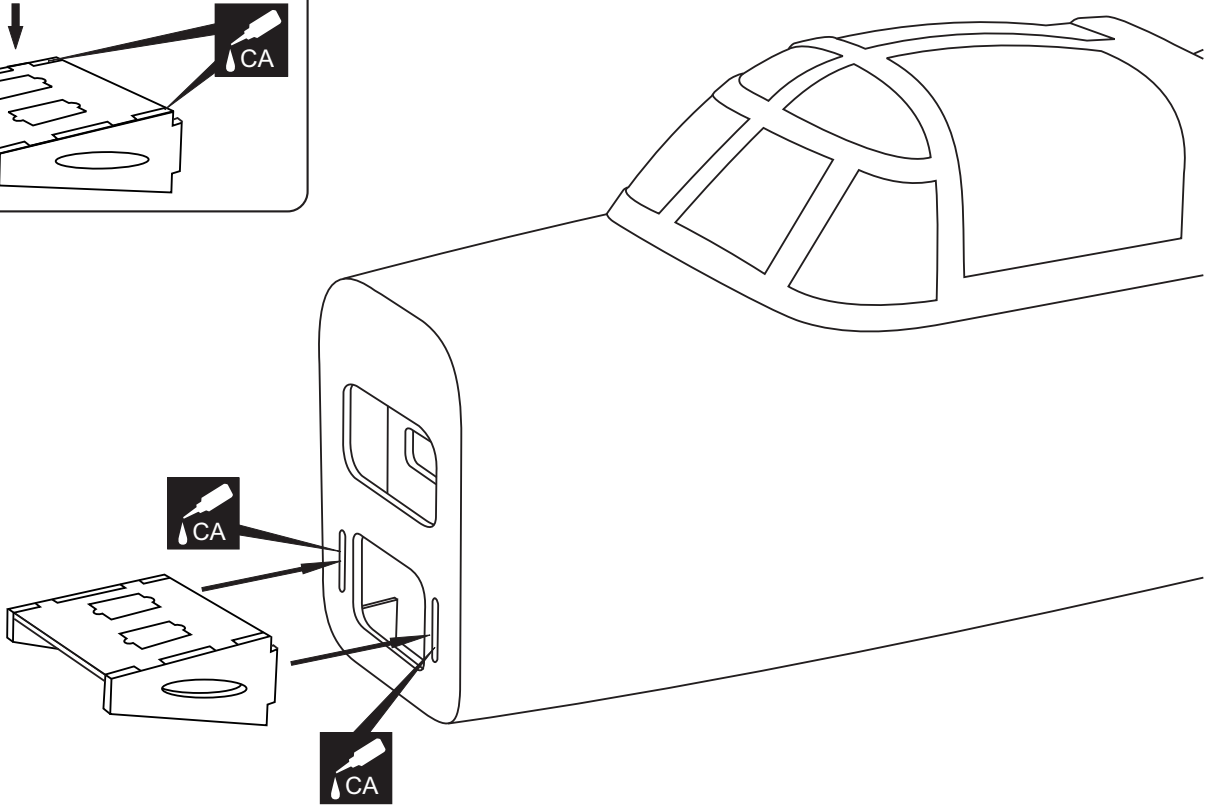
Elevator pushrod: **E2&E1**
Höhenruderservo : E2&E1
Rudder pushrod: **R**
Seitenruderservo : R
Nose gear pushrod:N

A-26K INVADER

Nose gear servo mount

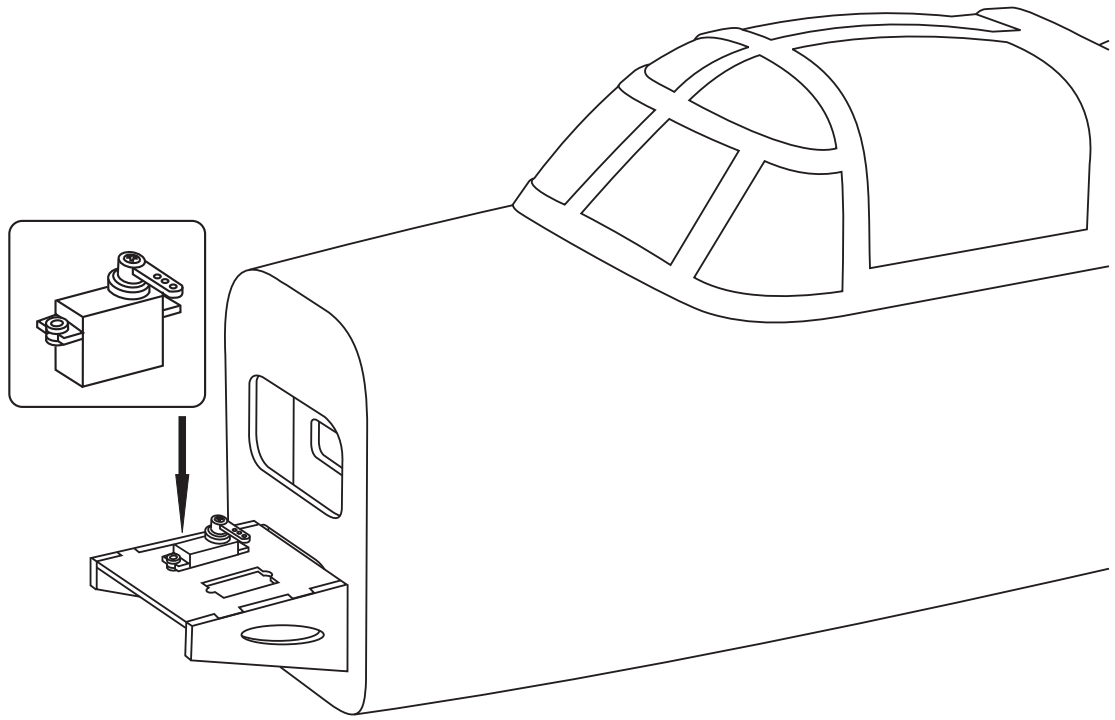


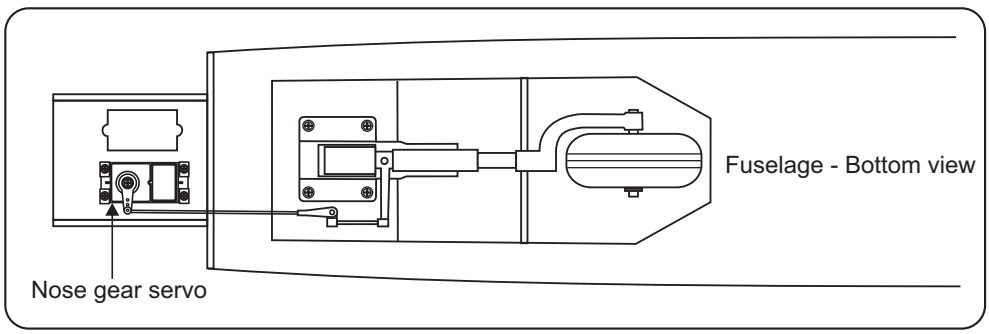
Note: Install the nose gear servo mount in case of your model lightly the nose even the nose gear extended position.



A-26K INVADER

Nose gear servo and linkage



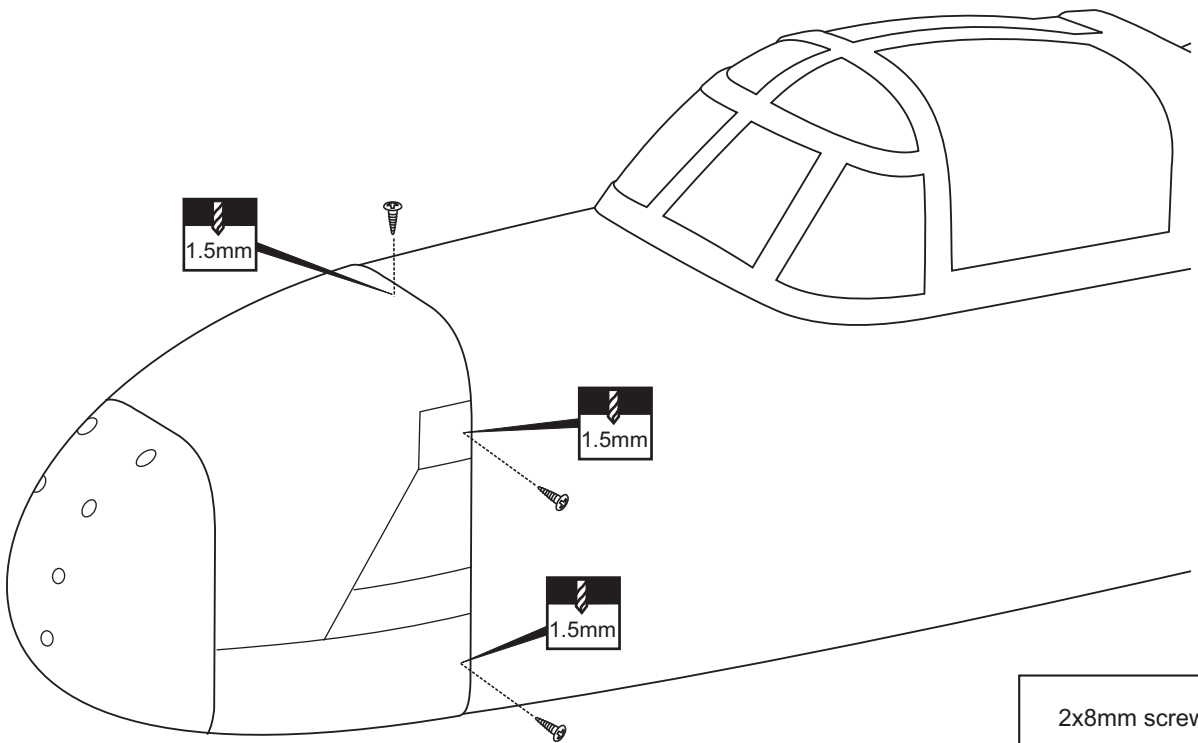


Connector
.....1

2x175mm pushrod with
Kwik-link one end
.....1

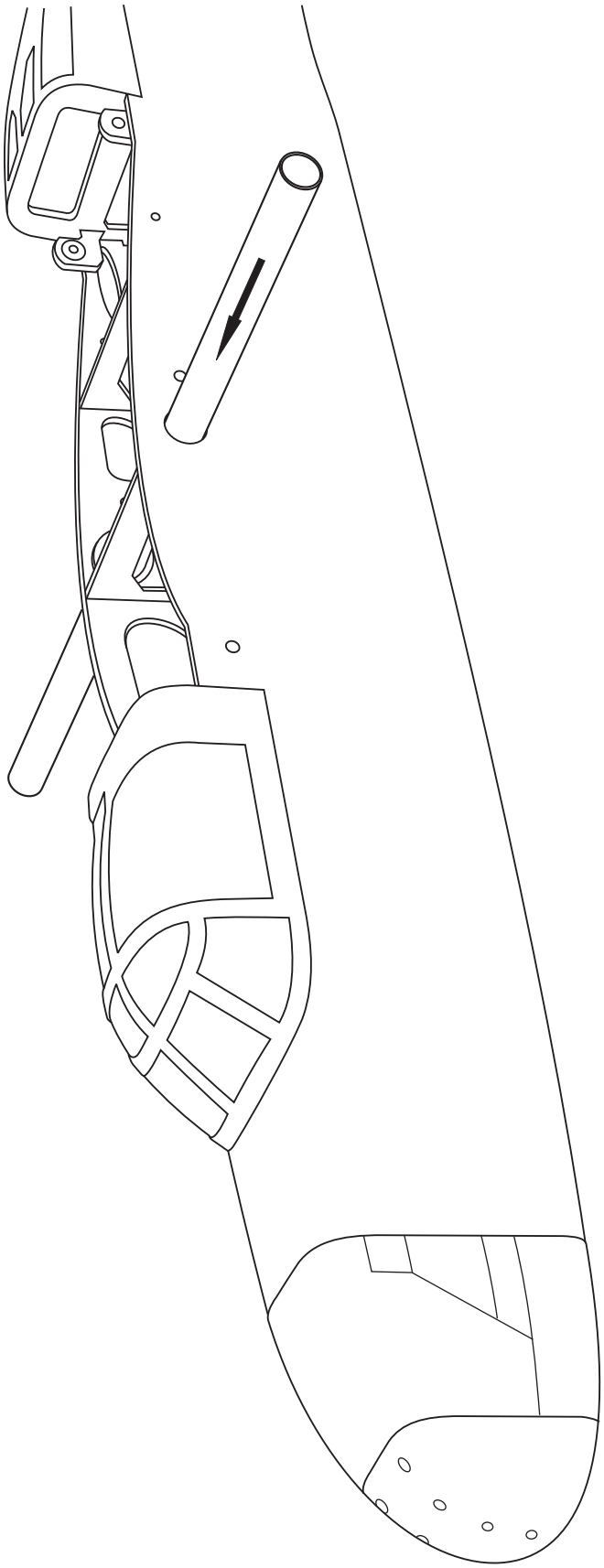
A-26K INVADER

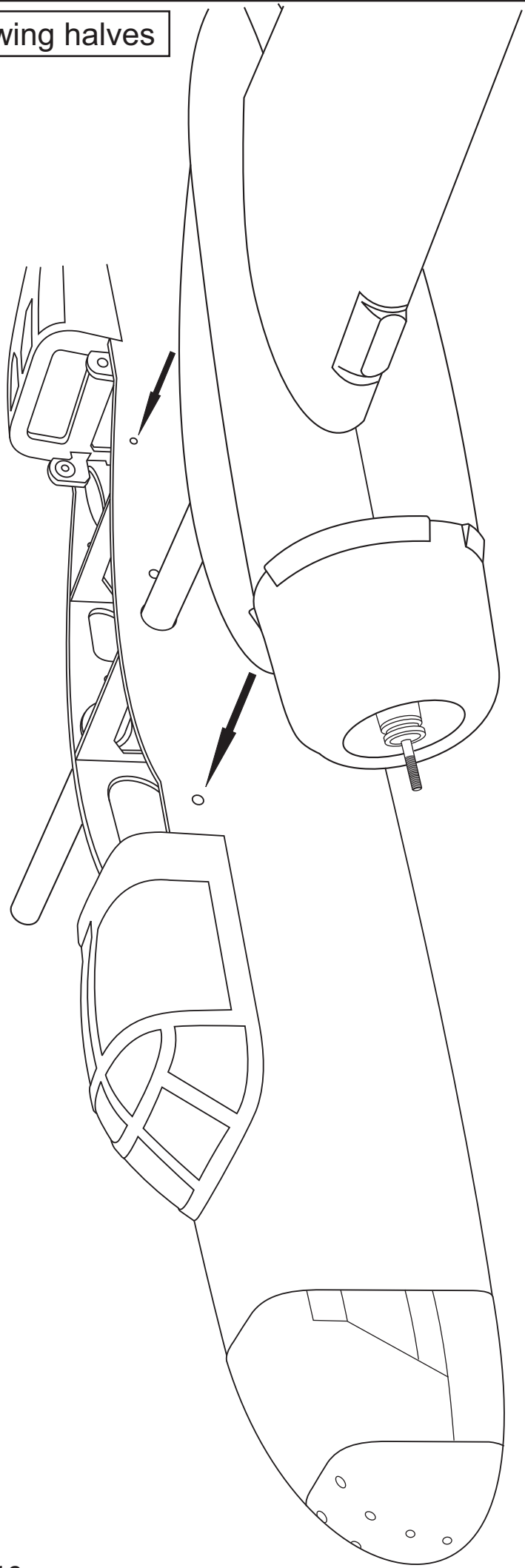
Nose cowl



2x8mm screw
.....6

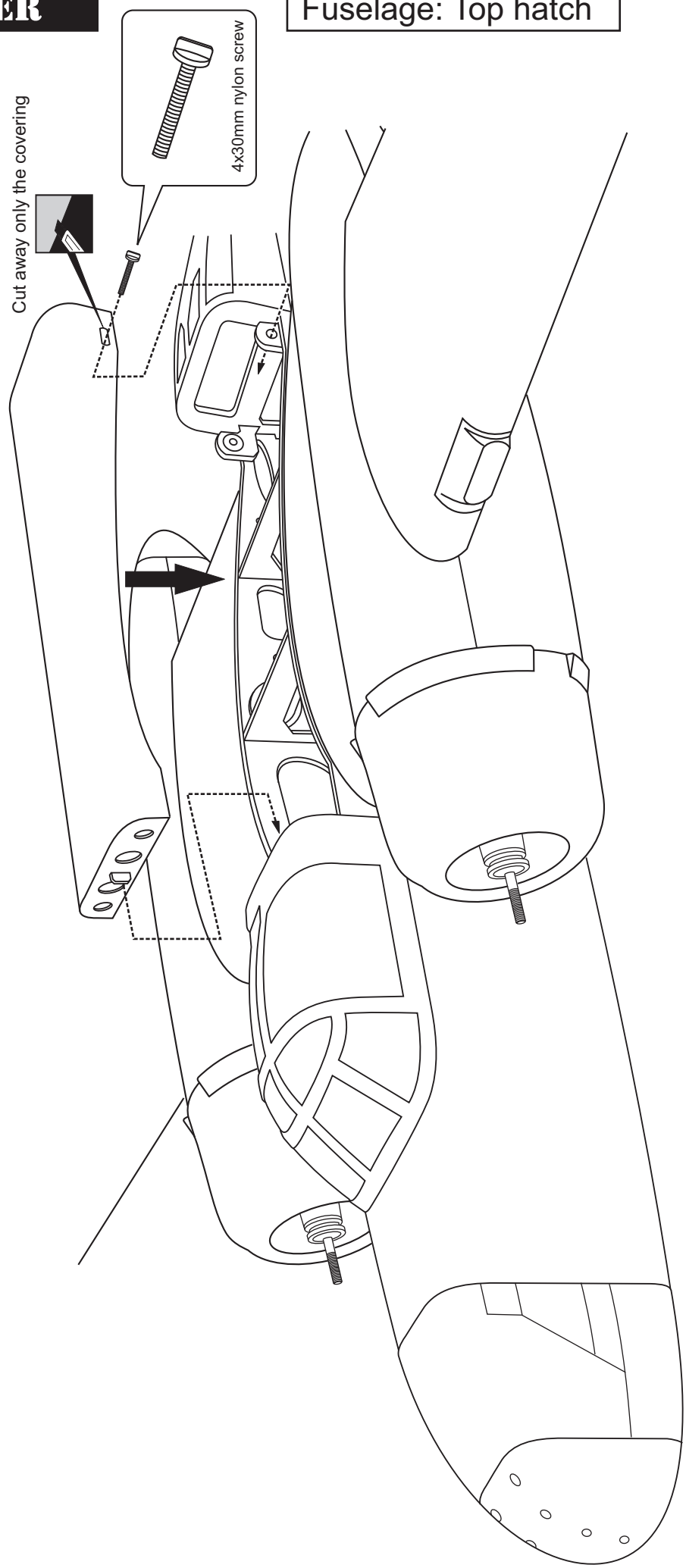
Joining the wing halves





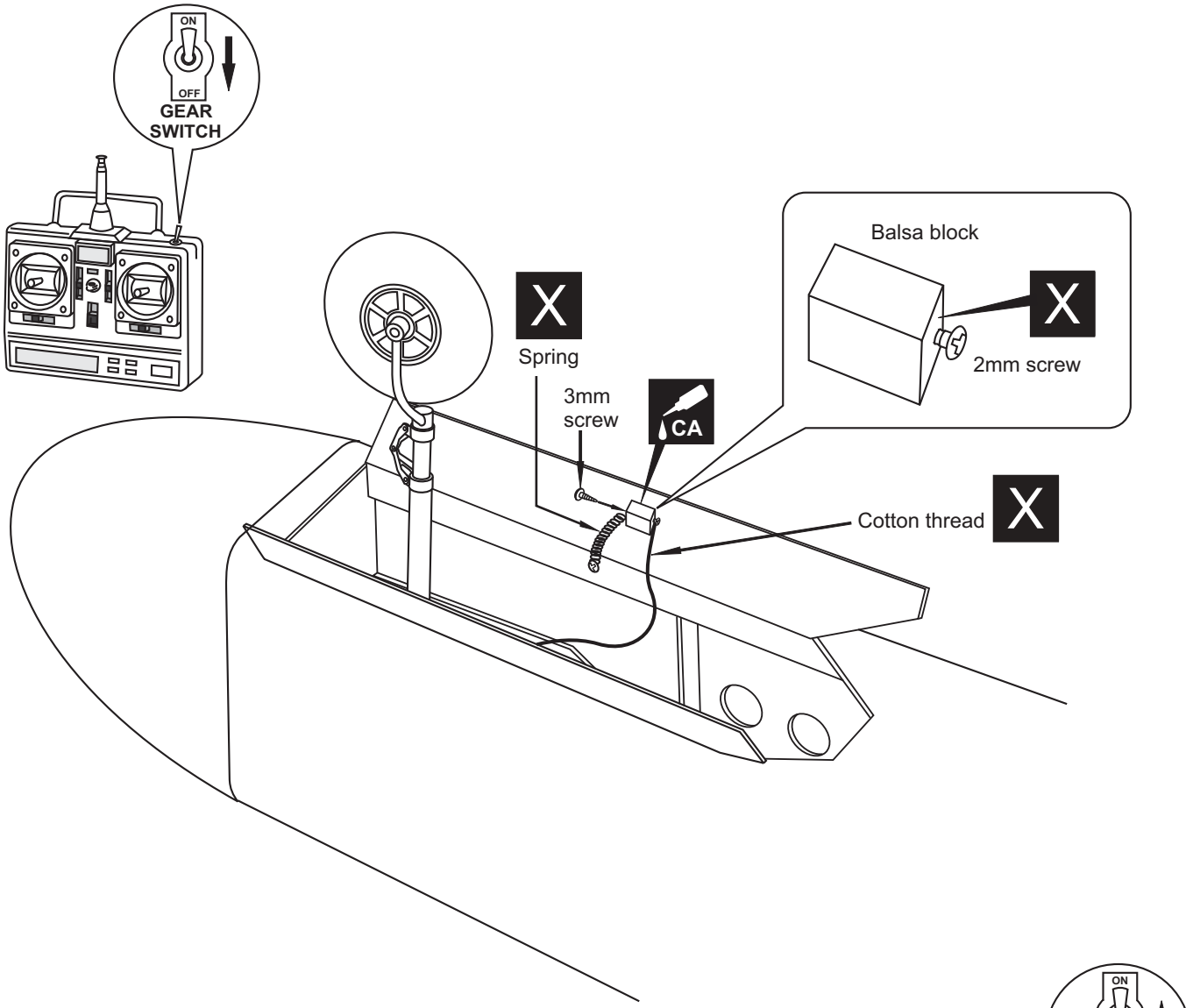
A-26K INVADER

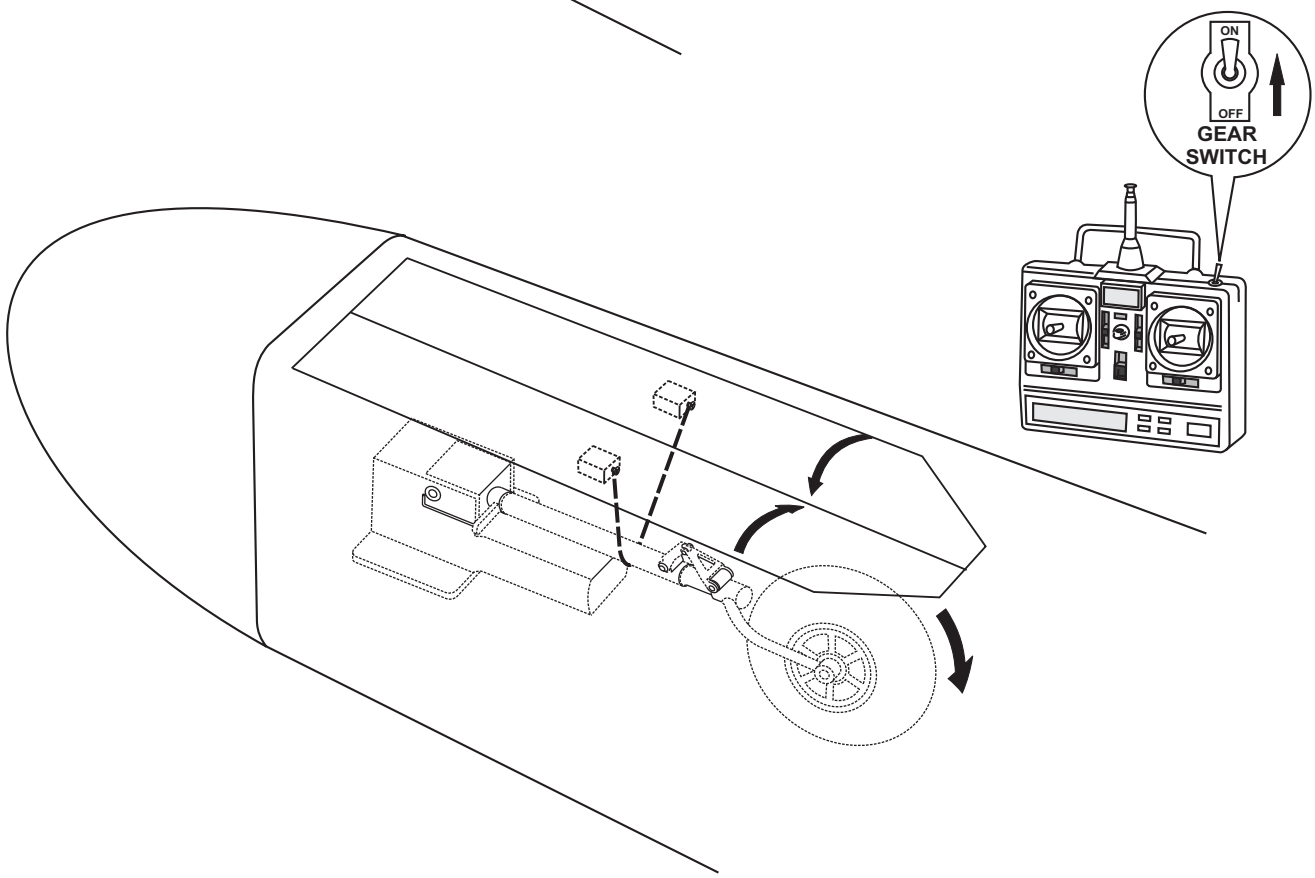
Fuselage: Top hatch

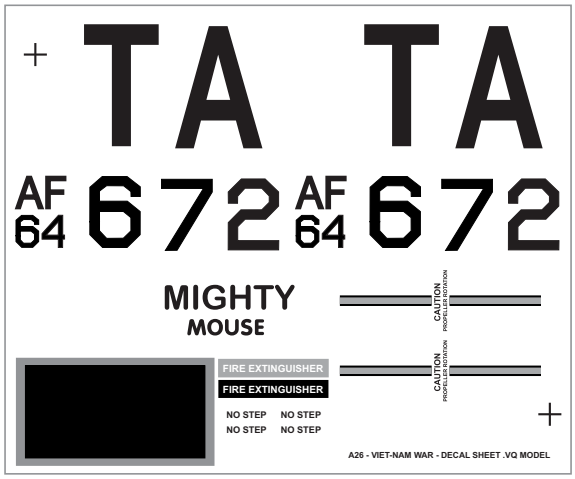


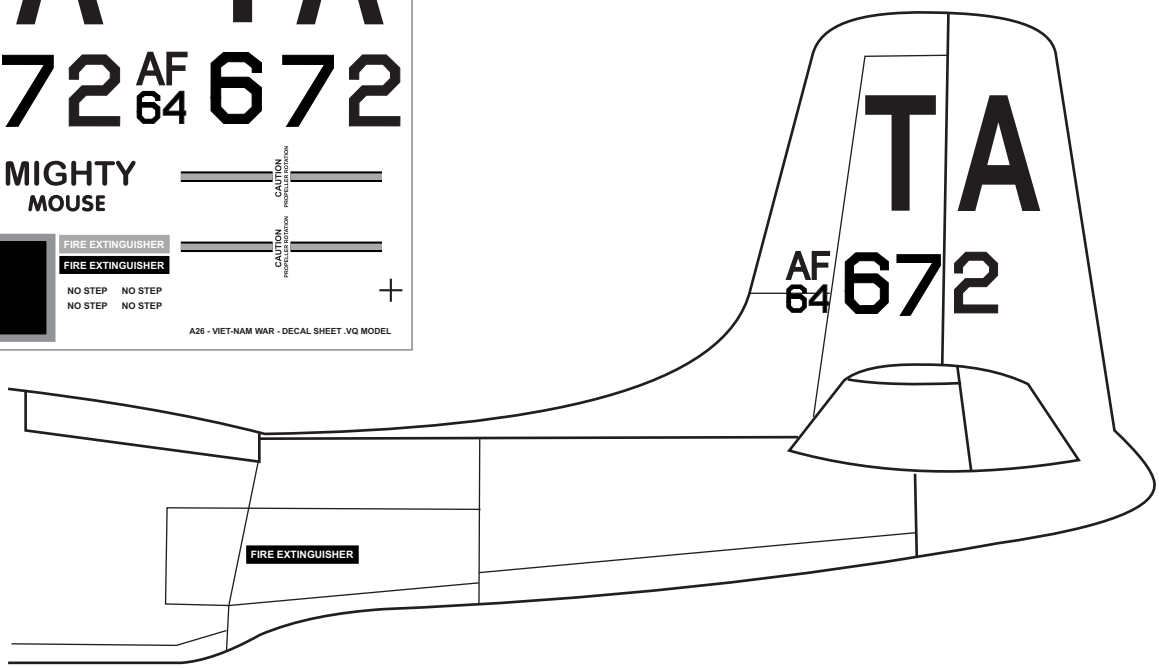
4x20mm nylon screw 2

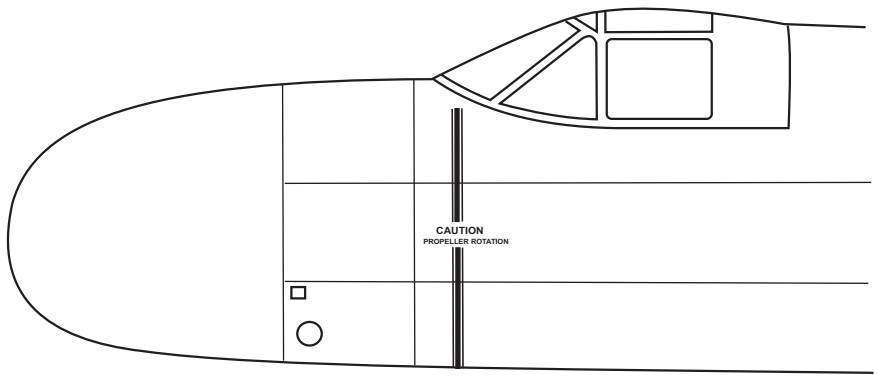
Nose gear door

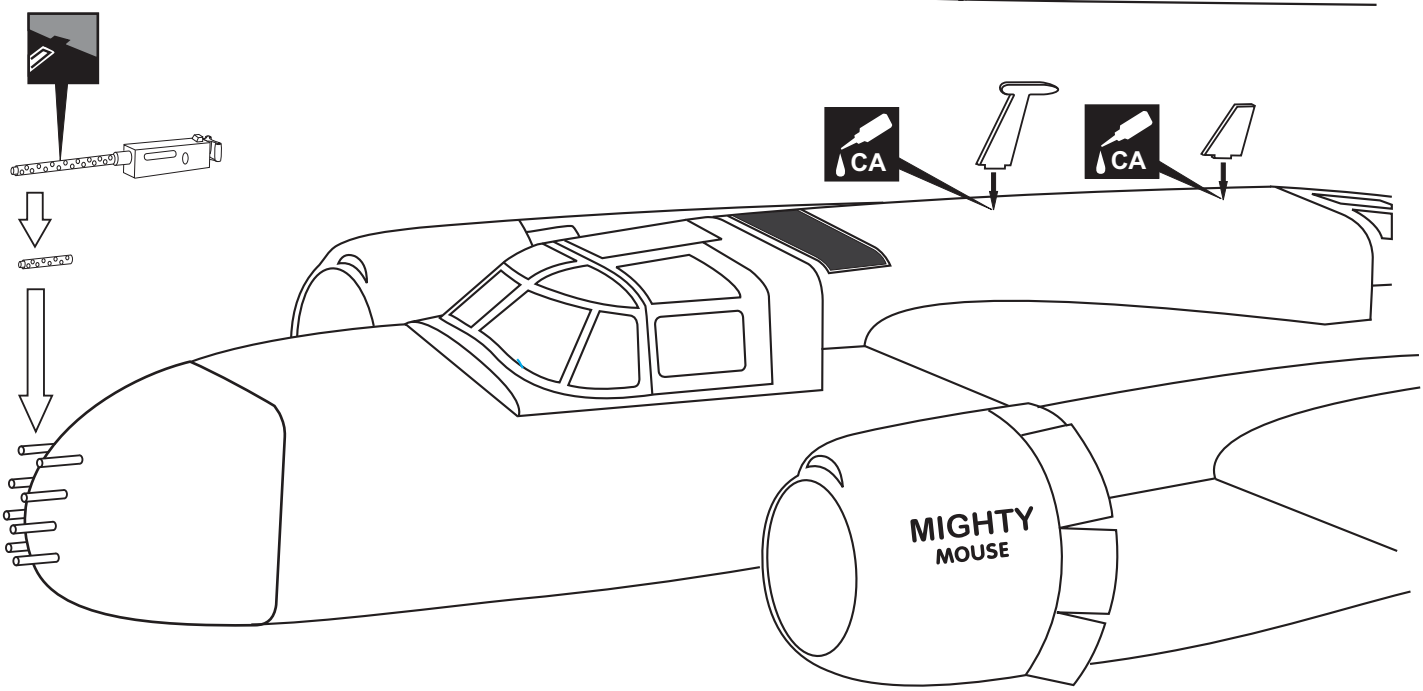






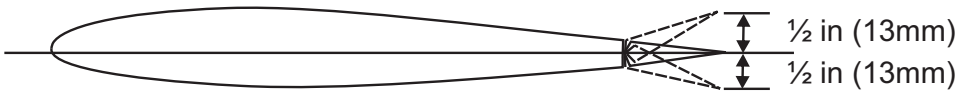




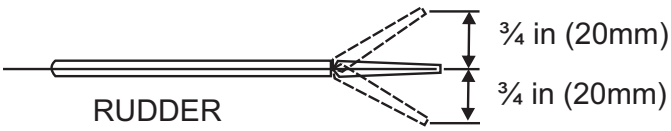


IMPORTANT:

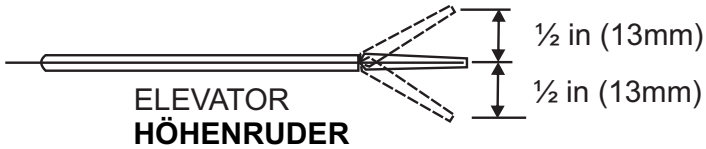
Please do not clean your model with pure alcohol, only use liquid soap with water or use glass cleaner to clean on surface of your model to keep the colour not fade.



AILERON
QUERRUDER

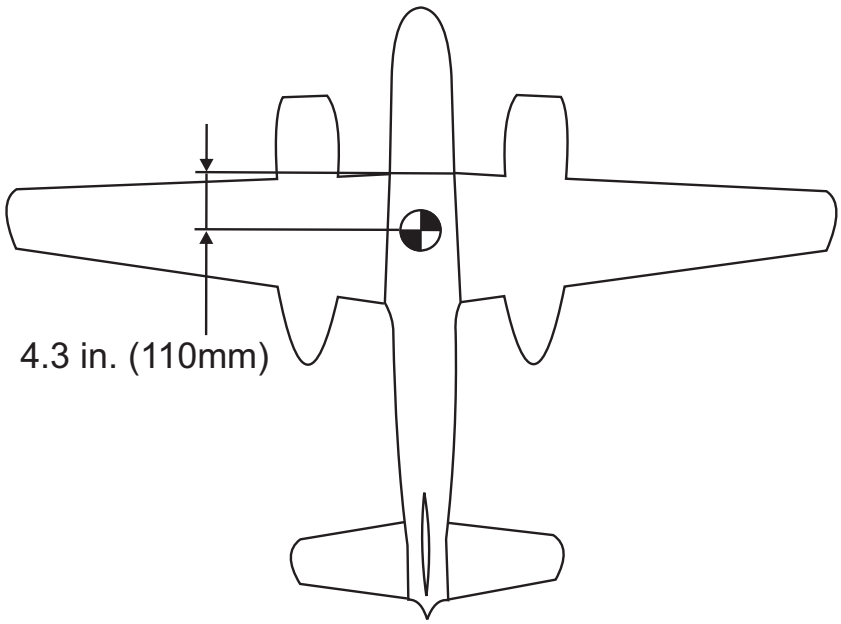


RUDDER
SEITENRUDER



ELEVATOR
HÖHENRUDER

Adjust the travel of the control surfaces to achieve the values stated in the diagrams.
These value will be suitable for average flight requirements. Adjust the values to suit your particular needs.



THE CENTER OF GRAVITY IS LOCATED 106 - 112mm BACK FROM THE LEADING EDGE OF THE WING, AT THE FUSELAGE.

If the nose of the plane falls, the plane is heavy nose. To correct this, move the battery pack further back in the fuselage.
If the tail of plane falls, the plane is tail heavy. To correct this, move the battery forward or if this is not possible, stick weight onto the firewall.
When balanced correctly, the airplane should level or slightly nose down when you lift it up with your fingers (or model airplane balancer).

DO NOT try to fly an out-of-balance model !