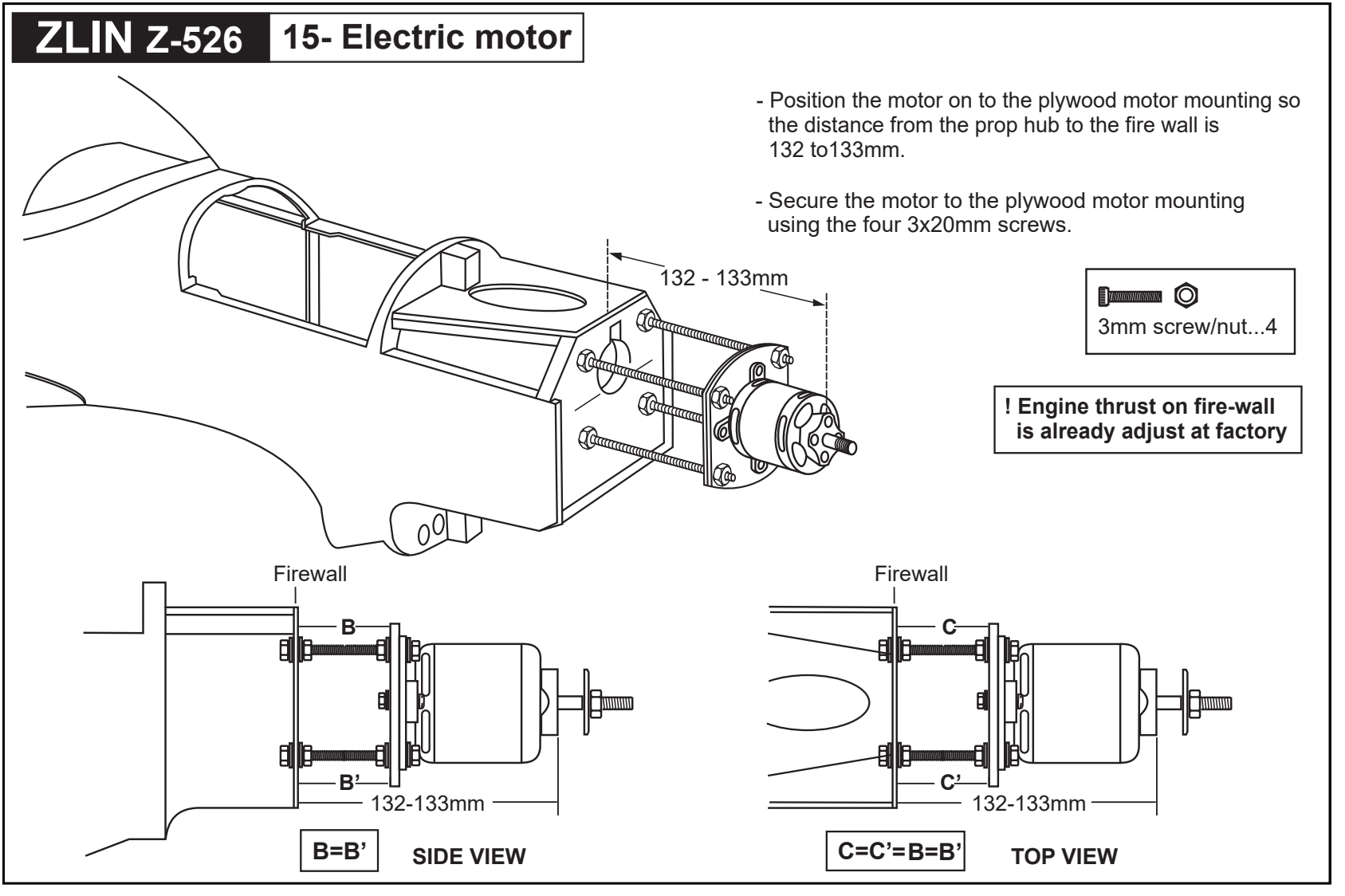
ZLIN Z-526 15- Electric motor

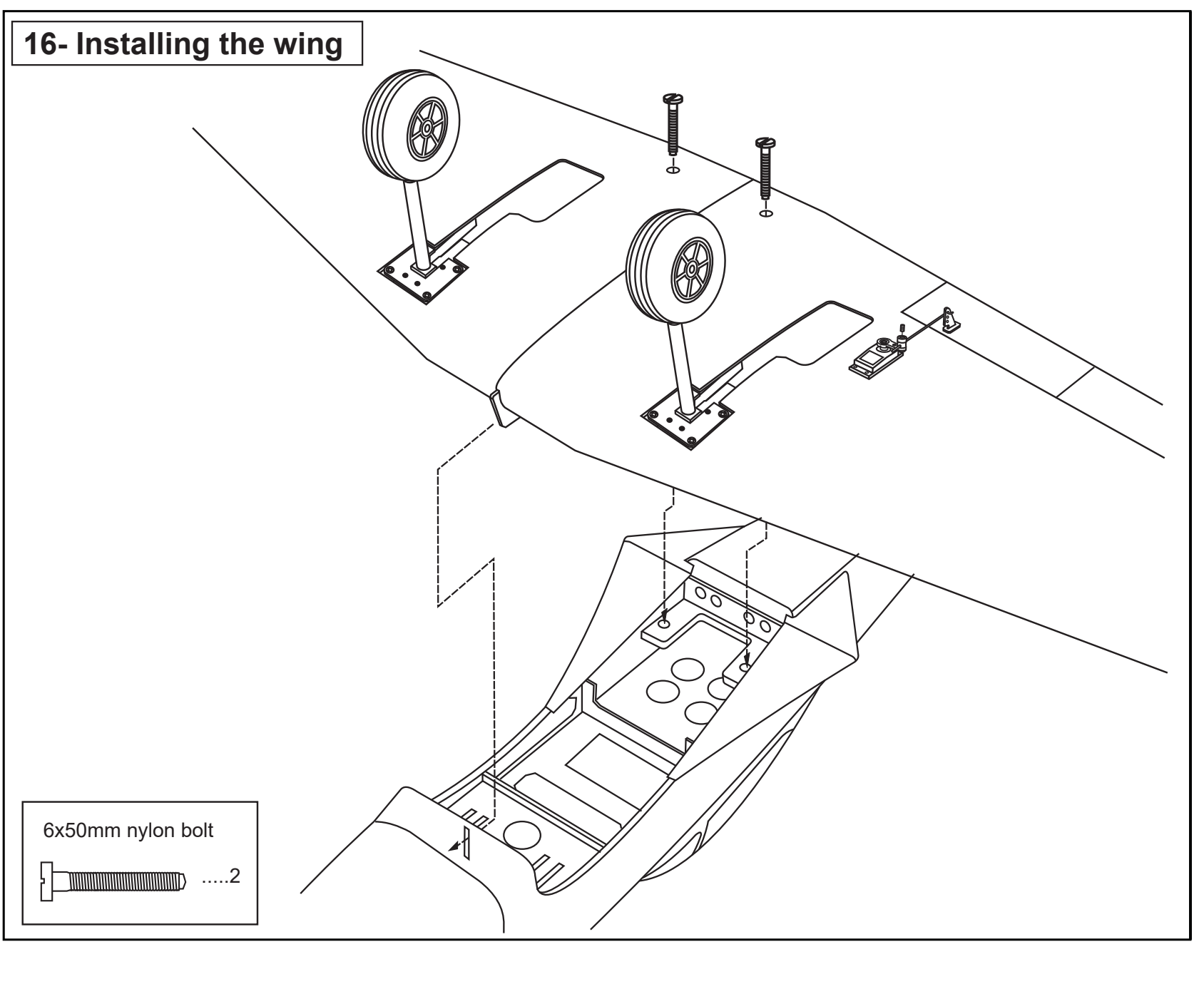
- Position the motor on to the plywood motor mounting so the distance from the prop hub to the fire wall is 132 to133mm.

- Secure the motor to the plywood motor mounting using the four 3x20mm screws.

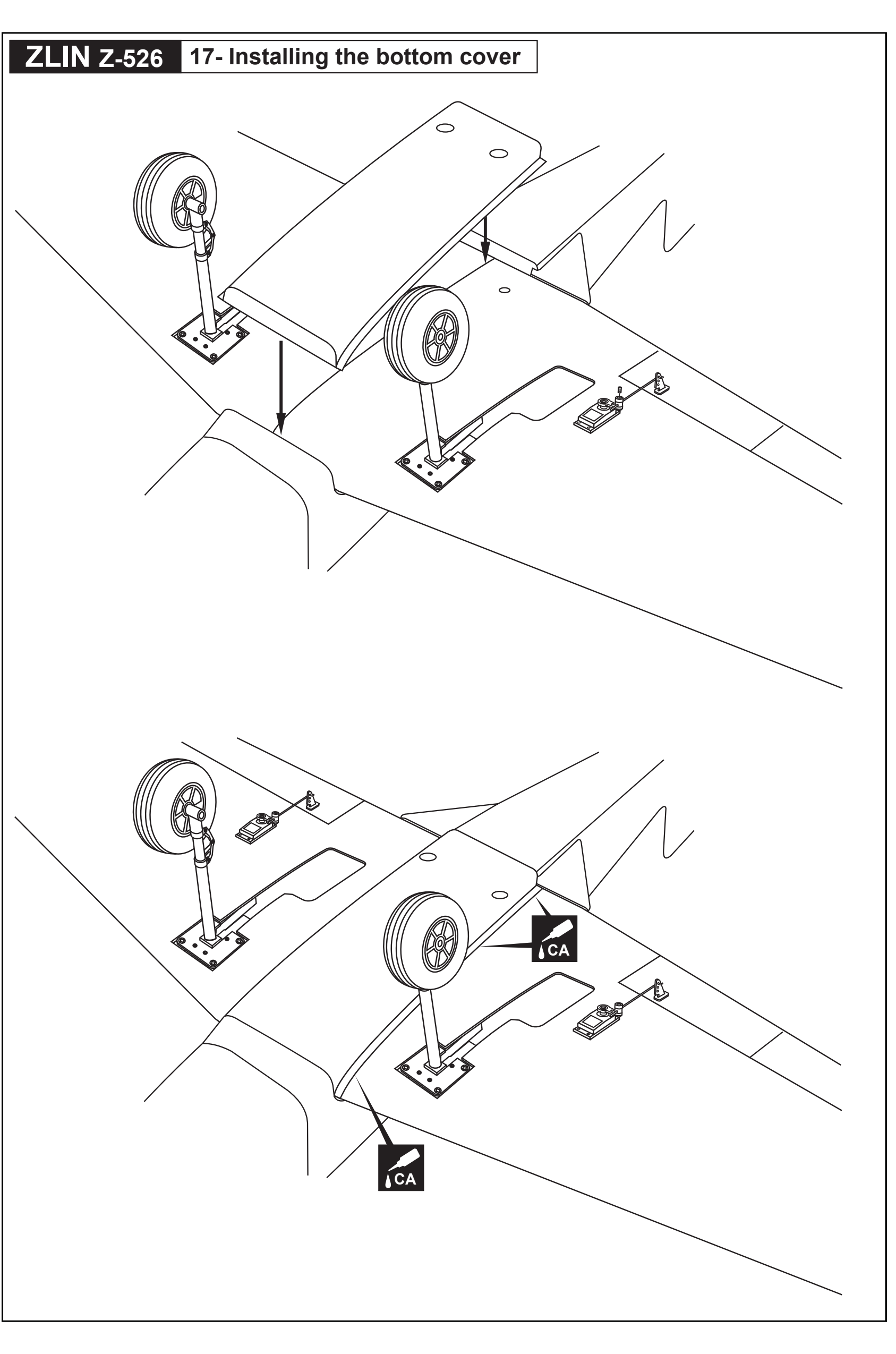

132 - 133mm
3mm screw/nut...4
Firewall
B
B'
132-133mm
B=B'
SIDE VIEW
Firewall
C
C'
132-133mm
C=C'=B=B'
TOP VIEW

! Engine thrust on fire-wall is already adjust at factory

16- Installing the wing


6x50mm nylon bolt
.....2

ZLIN Z-526 17- Installing the bottom cover



ZLIN Z-526 18- Horizontal stabilizer

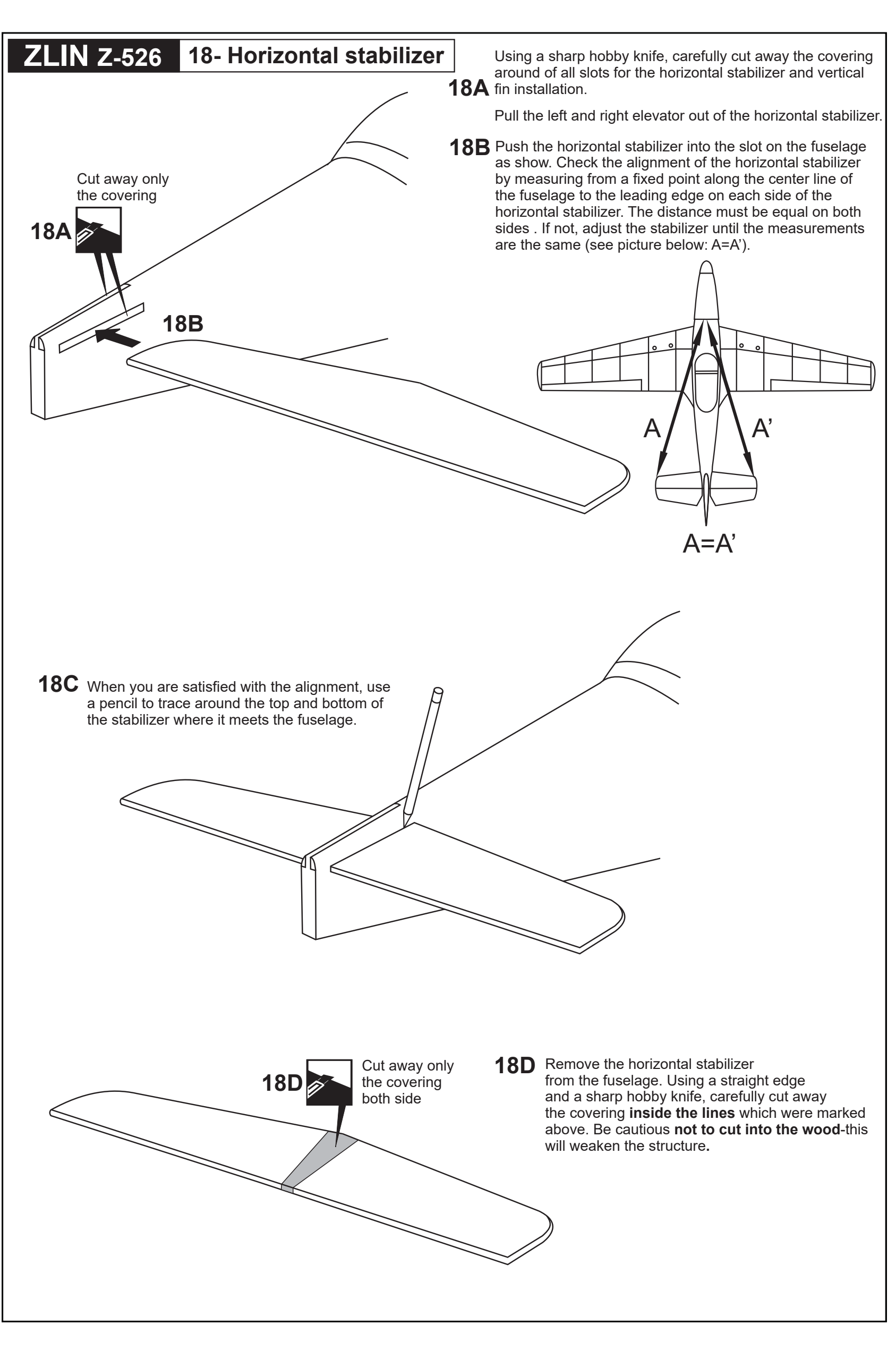
18A Using a sharp hobby knife, carefully cut away the covering around of all slots for the horizontal stabilizer and vertical fin installation.

Pull the left and right elevator out of the horizontal stabilizer.

18B Push the horizontal stabilizer into the slot on the fuselage as show. 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 (see picture below: A=A').

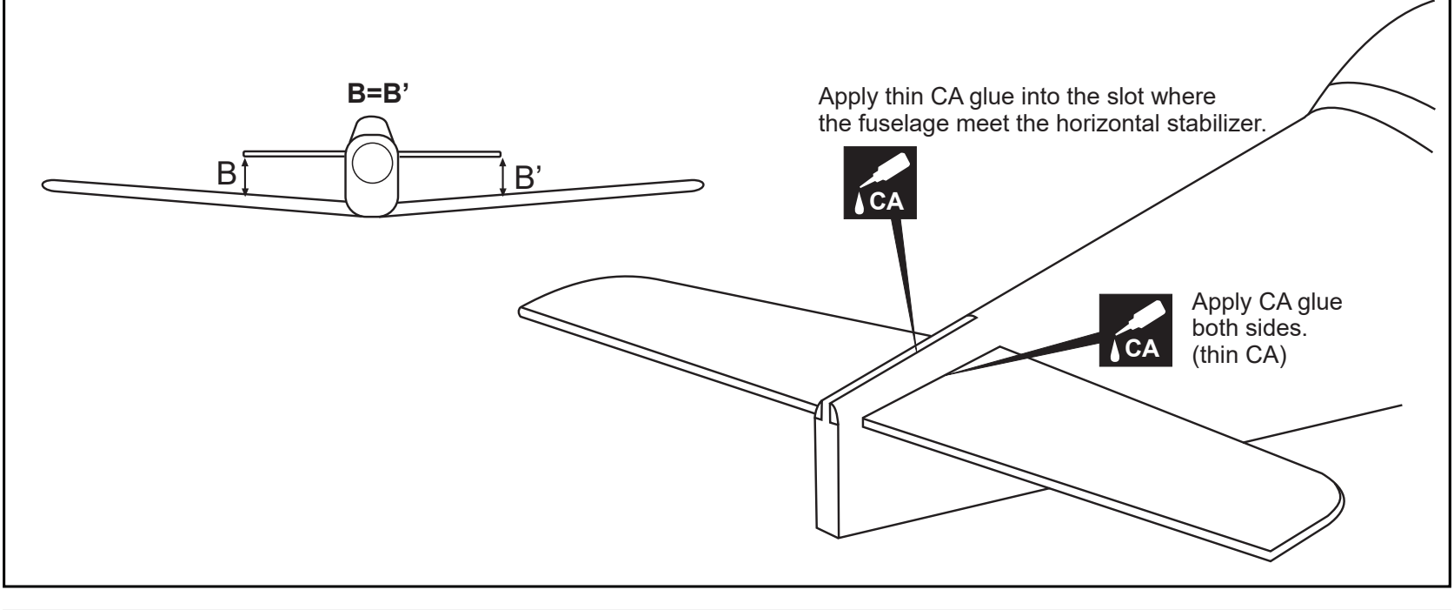
18C When you are satisfied with the alignment, use a pencil to trace around the top and bottom of the stabilizer where it meets the fuselage.

18D Remove the horizontal stabilizer from the fuselage. Using a straight edge and a sharp hobby knife, carefully cut away the covering **inside the lines** which were marked above. Be cautious **not to cut into the wood**-this will weaken the structure**.**


Cut away only the covering
18A
18B
A
A'
A=A'
18D
Cut away only the covering both side

ZLIN Z-526 19- Horizontal stabilizer

Install the horizontal stabilizer onto the fuselage and adjust the alignment as described in steep 18B.
Note: it is important to ensure that the horizontal stabilizer is also level in regards to the fuselage.
Apply the thin CA along the area where the covering was removed in the previous step and to the fuselage where the horizontal stabilizer mounts .


B=B'
B
B'
Apply thin CA glue into the slot where the fuselage meet the horizontal stabilizer.
CA
Apply CA glue both sides. (thin CA)
CA

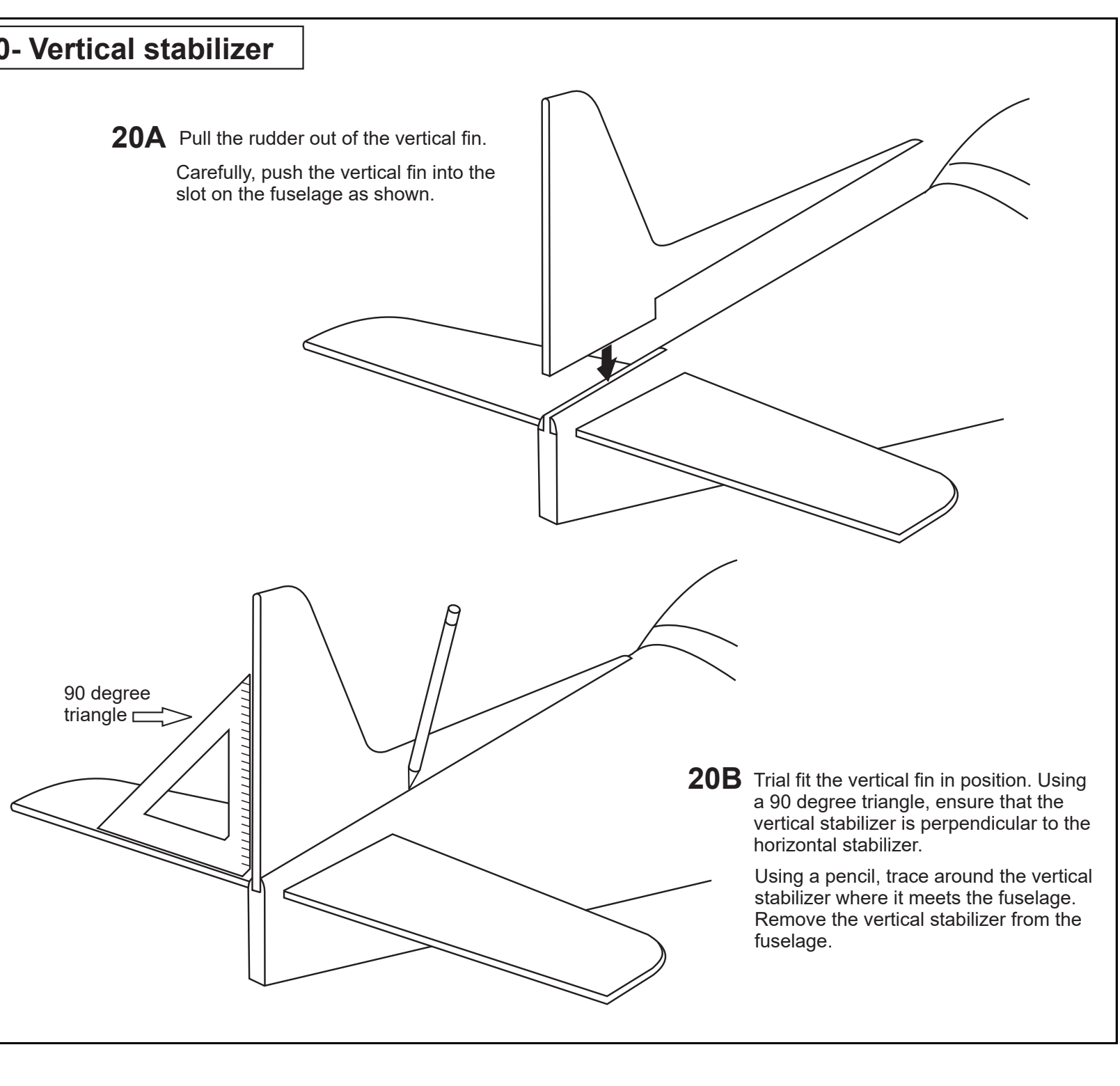
20- Vertical stabilizer

20A Pull the rudder out of the vertical fin.

Carefully, push the vertical fin into the slot on the fuselage as shown.

20B Trial fit the vertical fin in position. Using a 90 degree triangle, ensure that the vertical stabilizer is perpendicular to the horizontal stabilizer.

Using a pencil, trace around the vertical stabilizer where it meets the fuselage. Remove the vertical stabilizer from the fuselage.


90 degree triangle

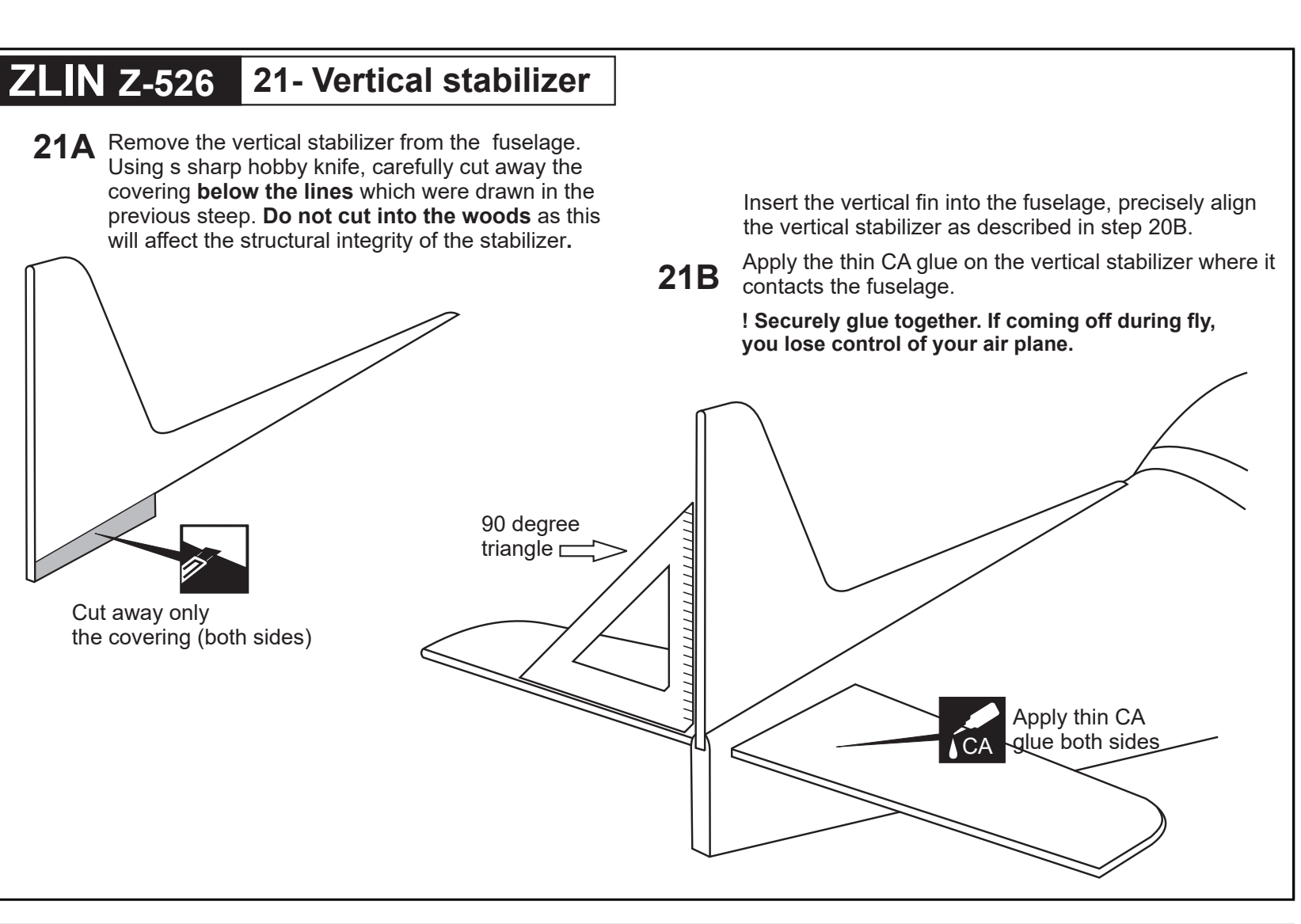
ZLIN Z-526 21- Vertical stabilizer

21A Remove the vertical stabilizer from the fuselage. Using s sharp hobby knife, carefully cut away the covering **below the lines** which were drawn in the previous steep. **Do not cut into the woods** as this will affect the structural integrity of the stabilizer**.**

21B Insert the vertical fin into the fuselage, precisely align the vertical stabilizer as described in step 20B.

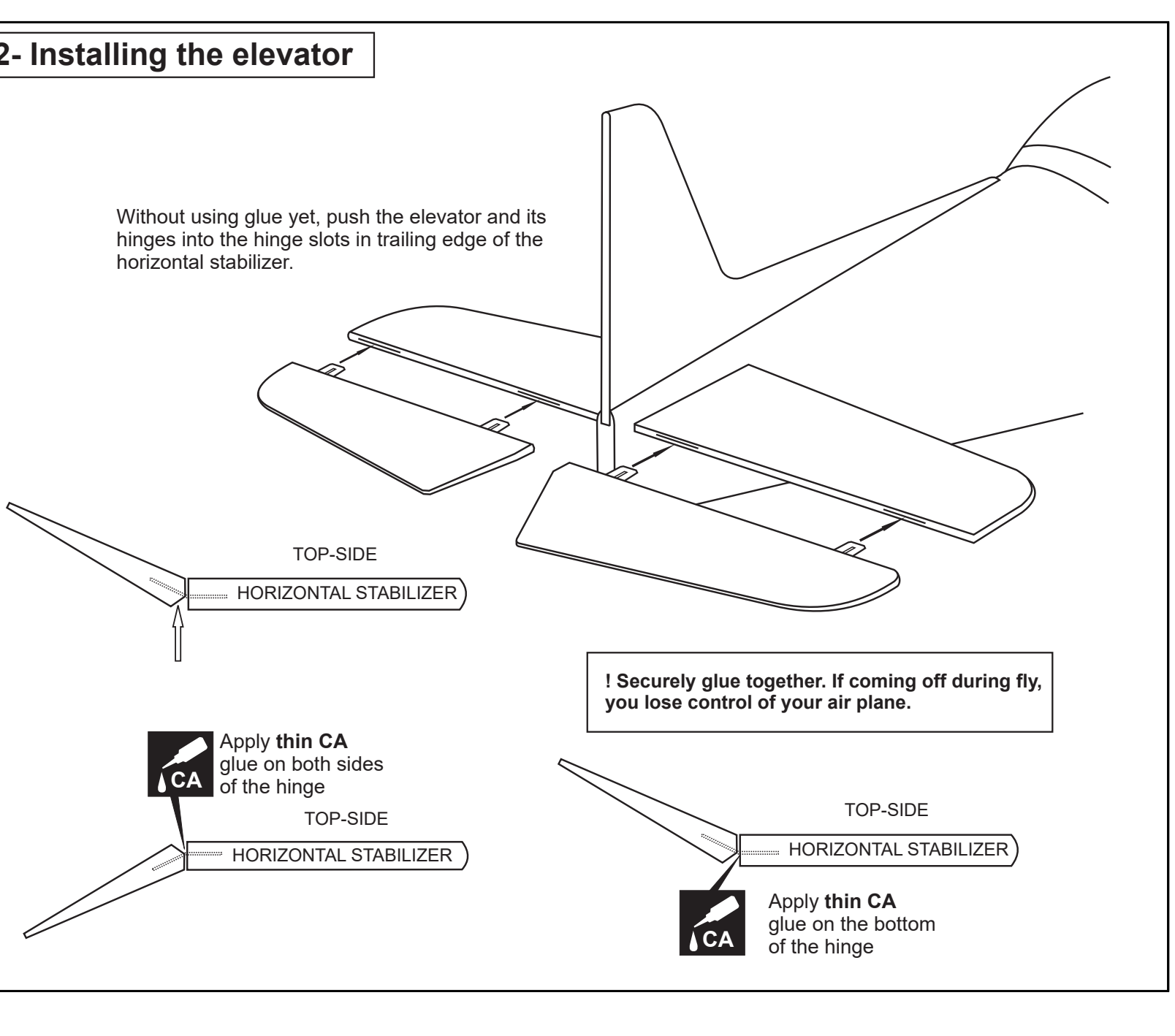
Apply the thin CA glue on the vertical stabilizer where it contacts the fuselage.

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


Cut away only the covering (both sides)
90 degree triangle
CA
Apply thin CA glue both sides

22- Installing the elevator

Without using glue yet, push the elevator and its hinges into the hinge slots in trailing edge of the horizontal stabilizer.


TOP-SIDE
HORIZONTAL STABILIZER
CA
Apply thin CA glue on both sides of the hinge
TOP-SIDE
HORIZONTAL STABILIZER
TOP-SIDE
HORIZONTAL STABILIZER
CA
Apply thin CA glue on the bottom of the hinge

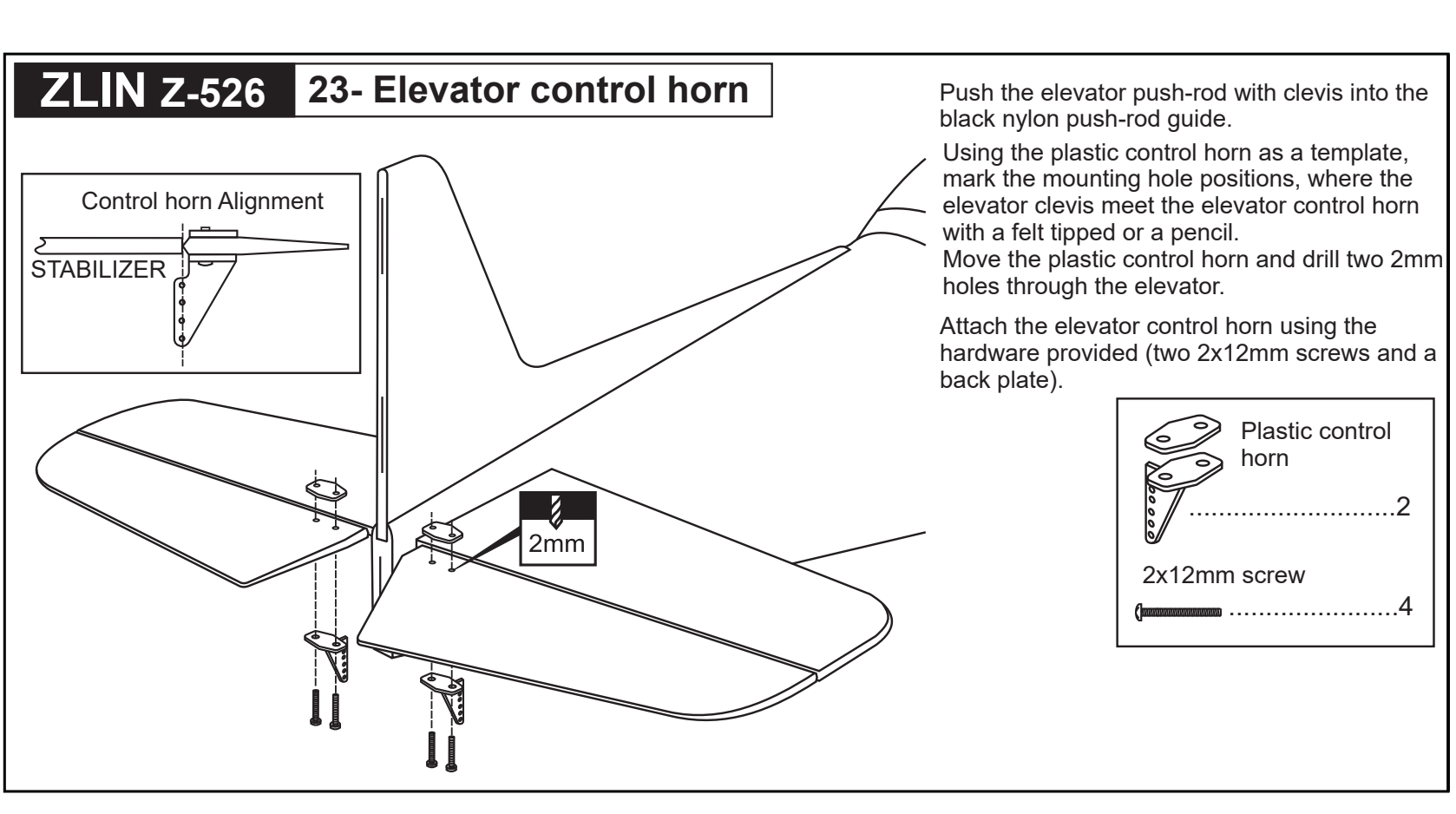
! Securely glue together. If coming off during fly, you lose control of your air plane.

ZLIN Z-526 23- Elevator control horn

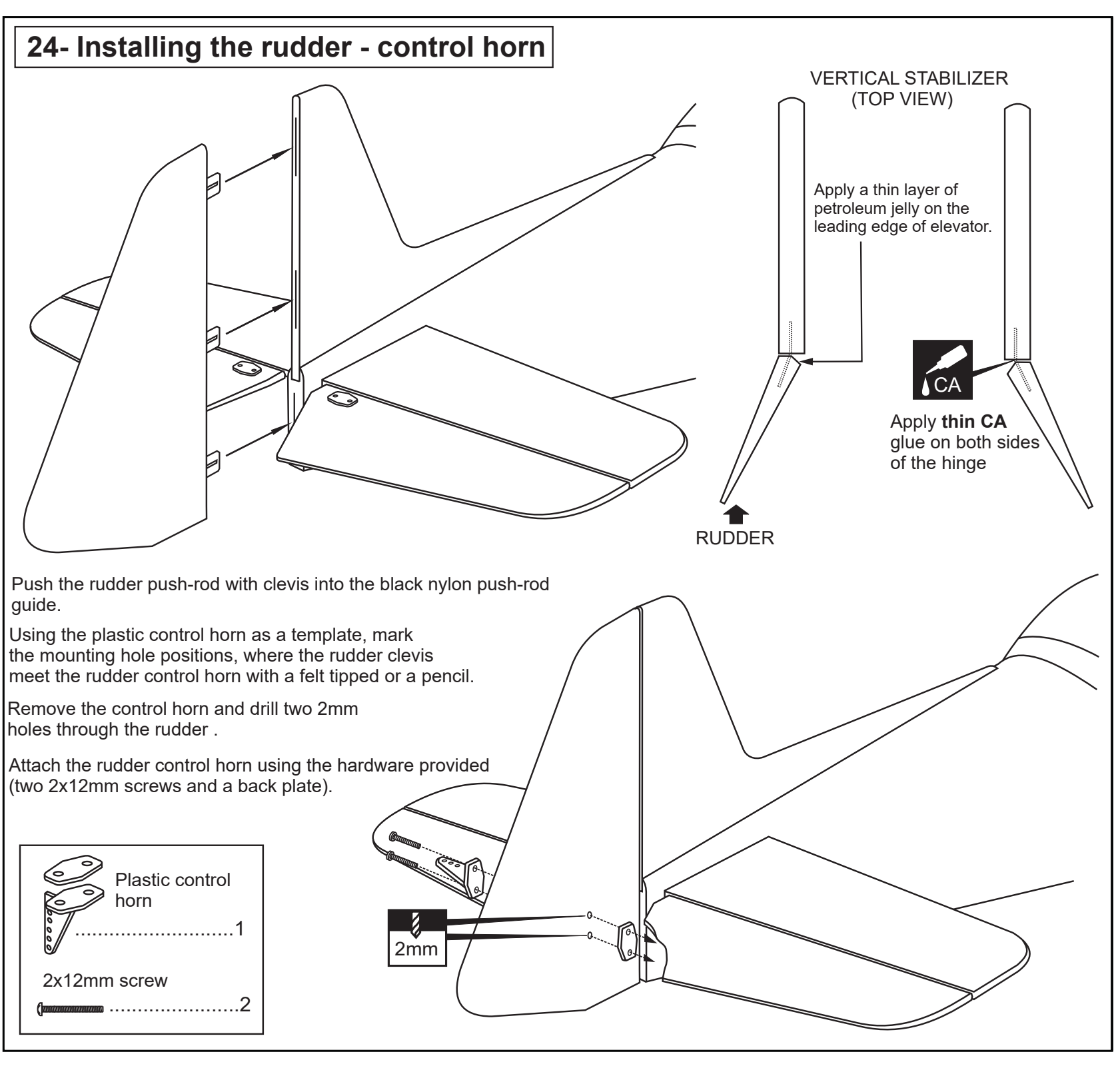
Push the elevator push-rod with clevis into the black nylon push-rod guide.

Using the plastic control horn as a template, mark the mounting hole positions, where the elevator clevis meet the elevator control horn with a felt tipped or a pencil.
Move the plastic control horn and drill two 2mm holes through the elevator.

Attach the elevator control horn using the hardware provided (two 2x12mm screws and a back plate).


Control horn Alignment
STABILIZER
2mm
Plastic control horn
..........................2
2x12mm screw
......................4

24- Installing the rudder - control horn


VERTICAL STABILIZER (TOP VIEW)
Apply a thin layer of petroleum jelly on the leading edge of elevator.
CA
Apply thin CA glue on both sides of the hinge
RUDDER
Plastic control horn
..........................1
2x12mm screw
......................2
2mm

Push the rudder push-rod with clevis into the black nylon push-rod guide.

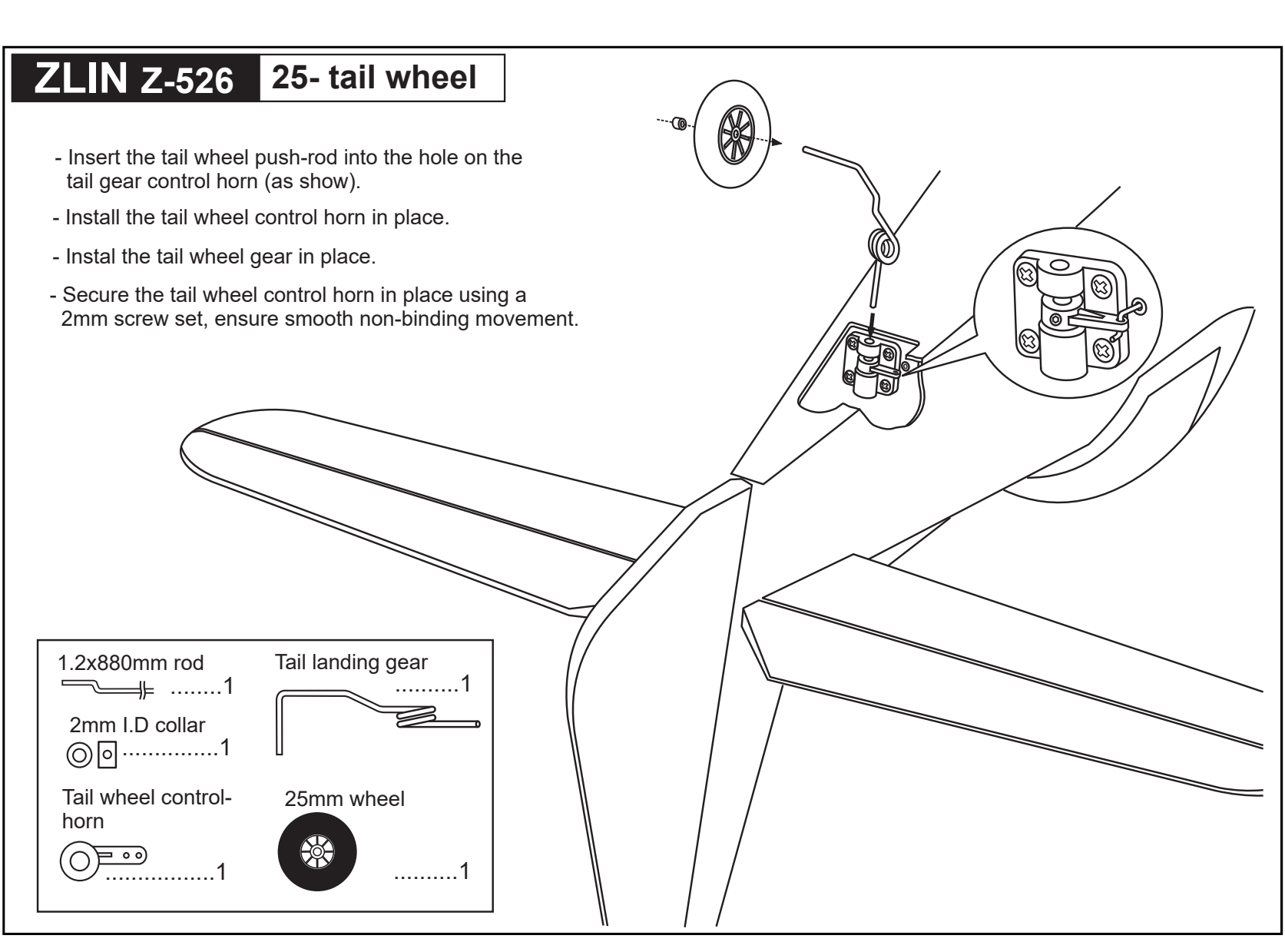
Using the plastic control horn as a template, mark the mounting hole positions, where the rudder clevis meet the rudder control horn with a felt tipped or a pencil.

Remove the control horn and drill two 2mm holes through the rudder .

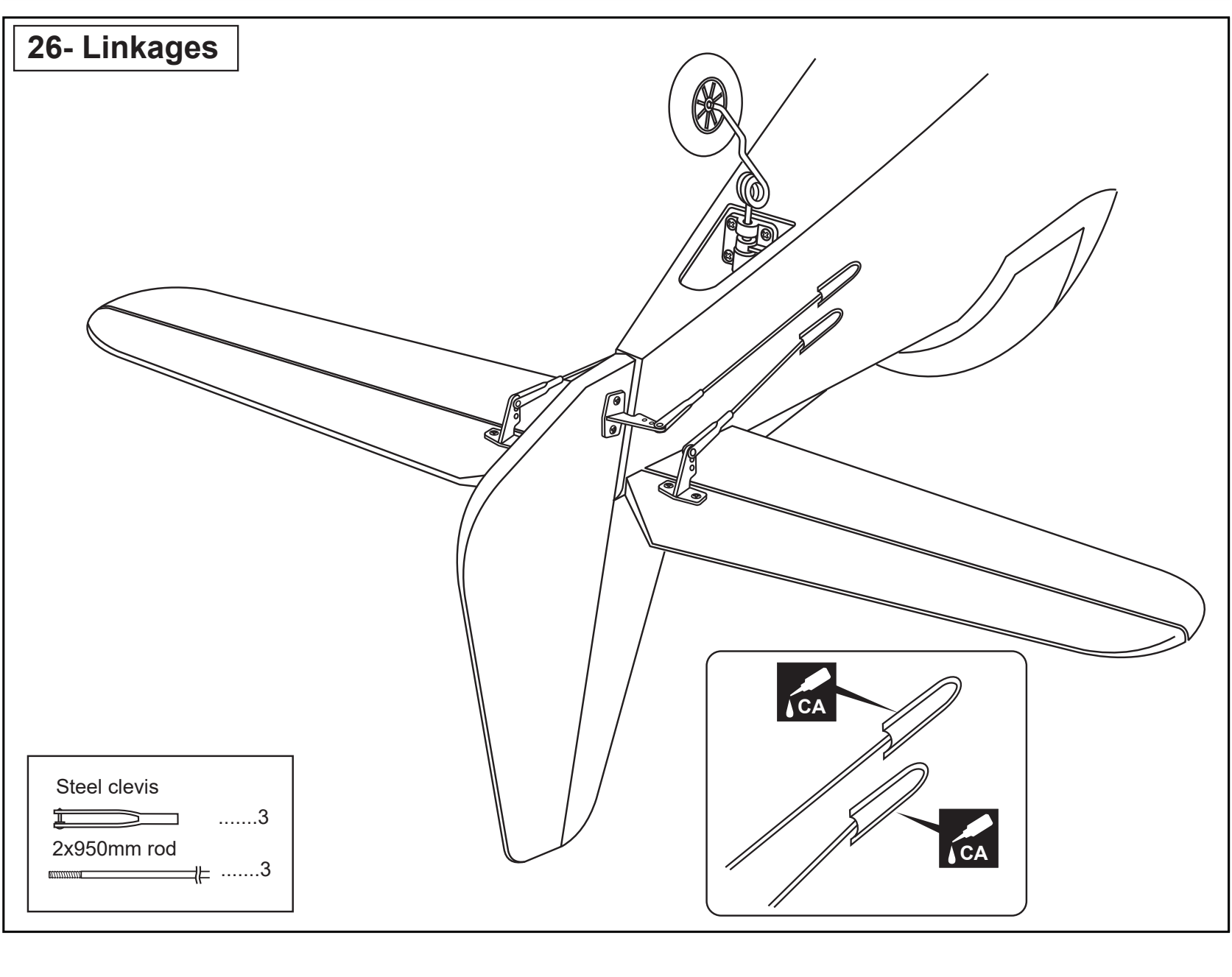
Attach the rudder control horn using the hardware provided (two 2x12mm screws and a back plate).

ZLIN Z-526 25- tail wheel

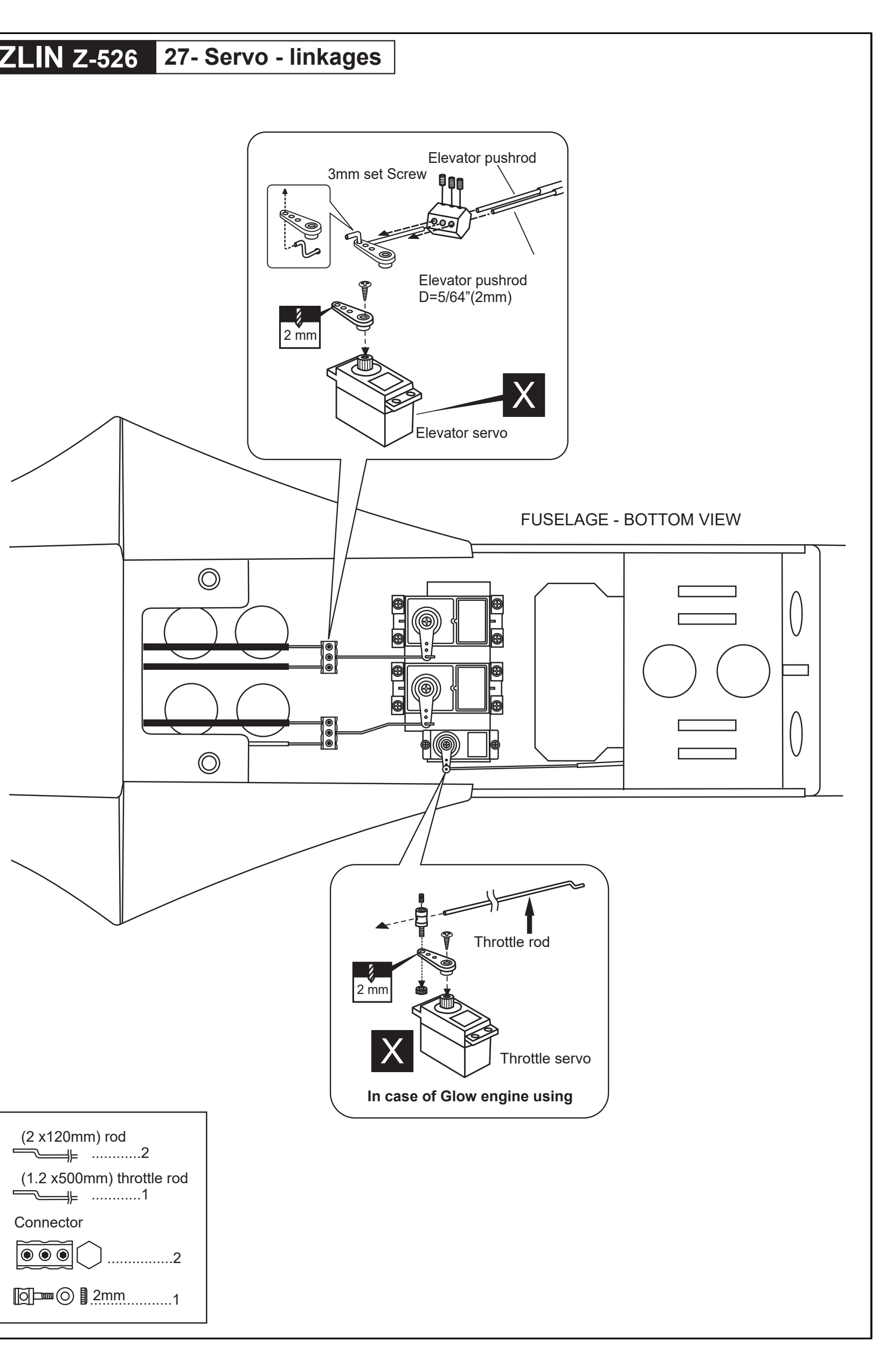
- Insert the tail wheel push-rod into the hole on the tail gear control horn (as show).
- Install the tail wheel control horn in place.
- Instal the tail wheel gear in place.
- Secure the tail wheel control horn in place using a 2mm screw set, ensure smooth non-binding movement.


1.2x880mm rod
........1
2mm I.D collar
..............1
Tail wheel control-horn
..........1
Tail landing gear
.........1
25mm wheel
.........1

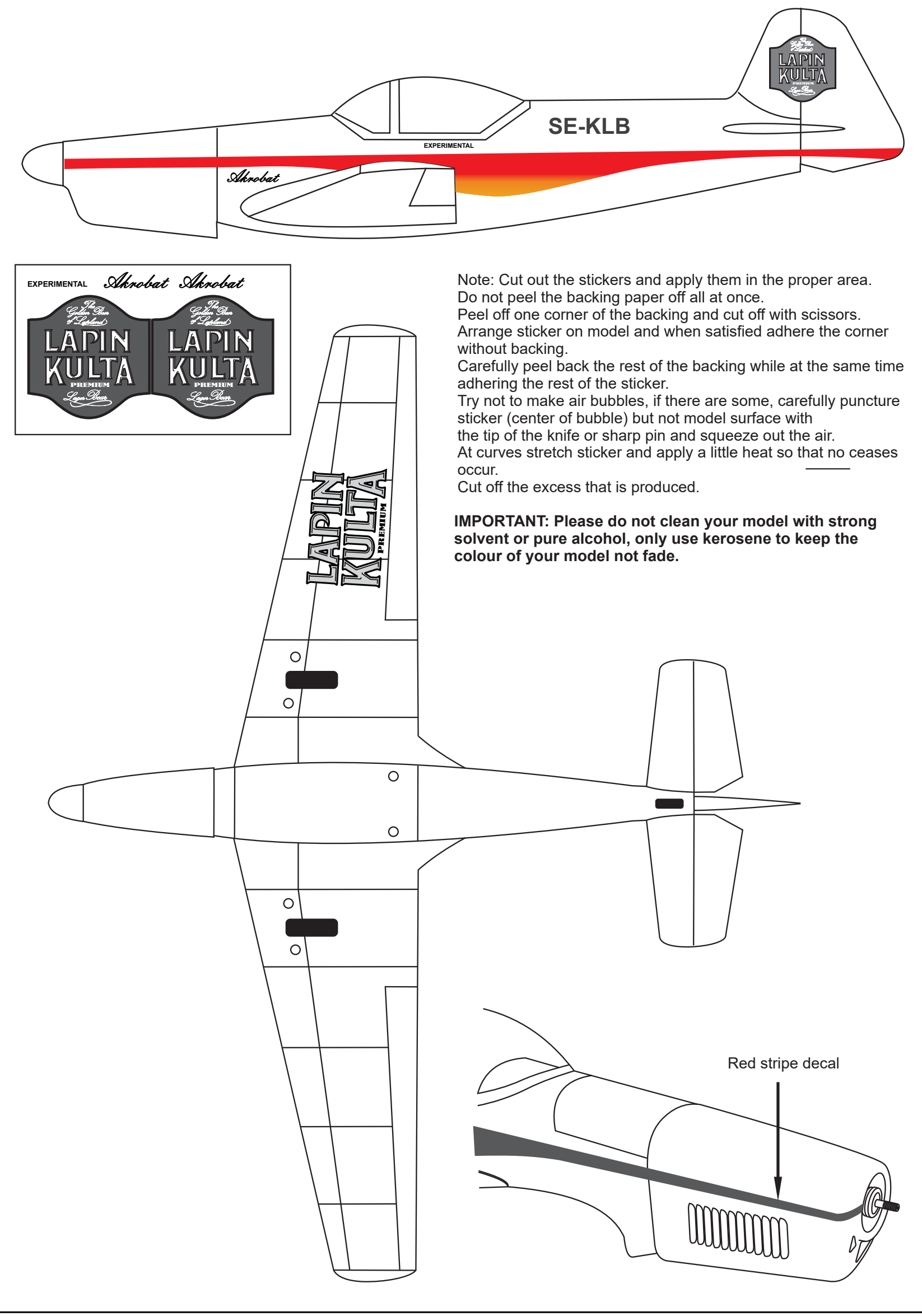
26- Linkages


Steel clevis
.......3
2x950mm rod
.......3
CA
CA

ZLIN Z-526 27- Servo - linkages


Elevator pushrod
3mm set Screw
Elevator pushrod D=5/64"(2mm)
2 mm
X
Elevator servo
FUSELAGE - BOTTOM VIEW
Throttle rod
2 mm
X
Throttle servo
In case of Glow engine using
(2 x120mm) rod
............2
(1.2 x500mm) throttle rod
............1
Connector
................2
2mm............1

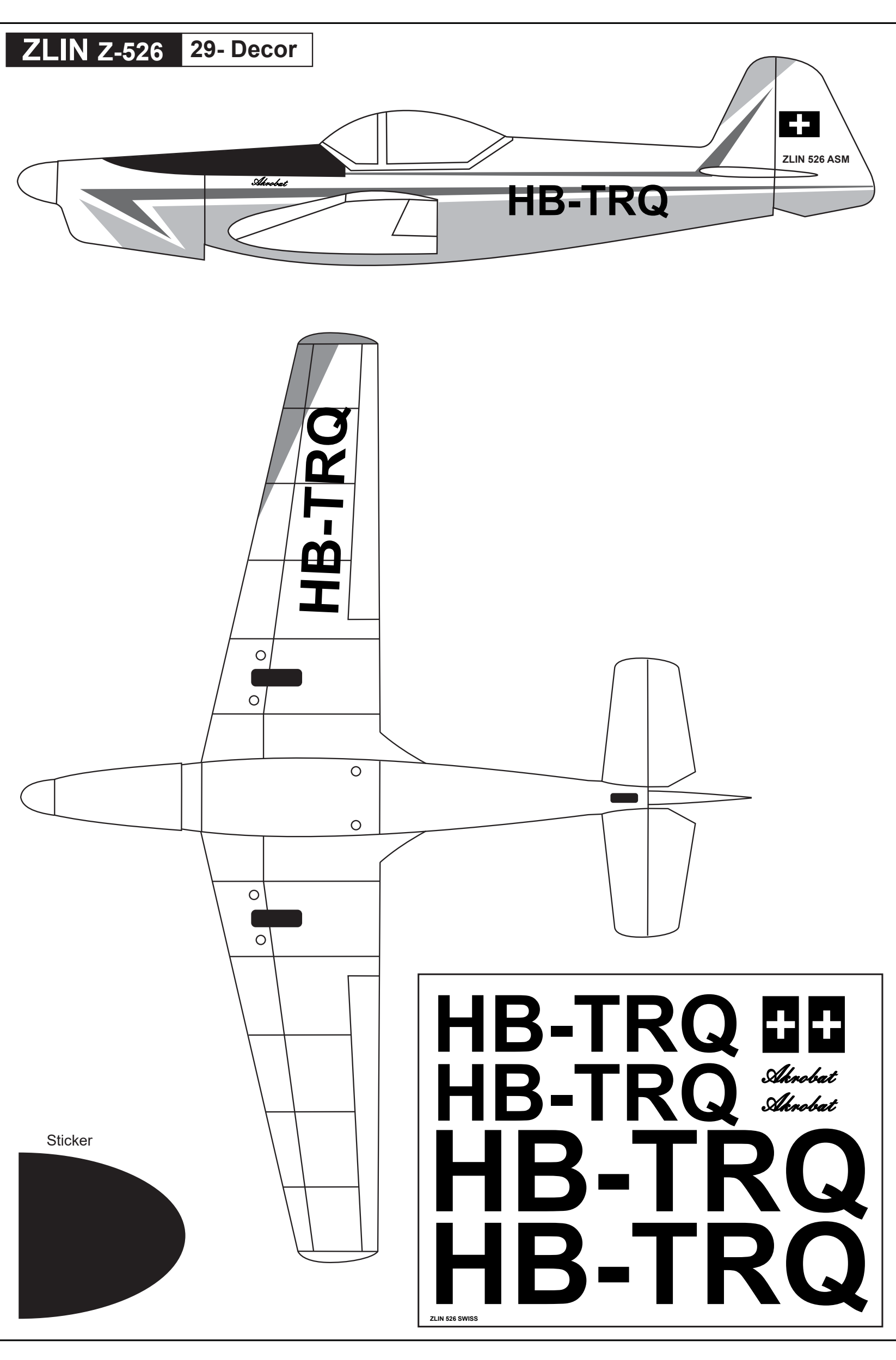
ZLIN Z-526 28- Decor


SE-KLB
EXPERIMENTAL
Akrobat
EXPERIMENTAL
Akrobat
Akrobat
LAPIN KULTA
LAPIN KULTA
LAPIN KULTA
Red stripe decal

Note: Cut out the stickers and apply them in the proper area.
Do not peel the backing paper off all at once.
Peel off one corner of the backing and cut off with scissors.
Arrange sticker on model and when satisfied adhere the corner without backing.
Carefully peel back the rest of the backing while at the same time adhering the rest of the sticker.
Try not to make air bubbles, if there are some, carefully puncture sticker (center of bubble) but not model surface with the tip of the knife or sharp pin and squeeze out the air.
At curves stretch sticker and apply a little heat so that no ceases occur.
Cut off the excess that is produced.

IMPORTANT: Please do not clean your model with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.

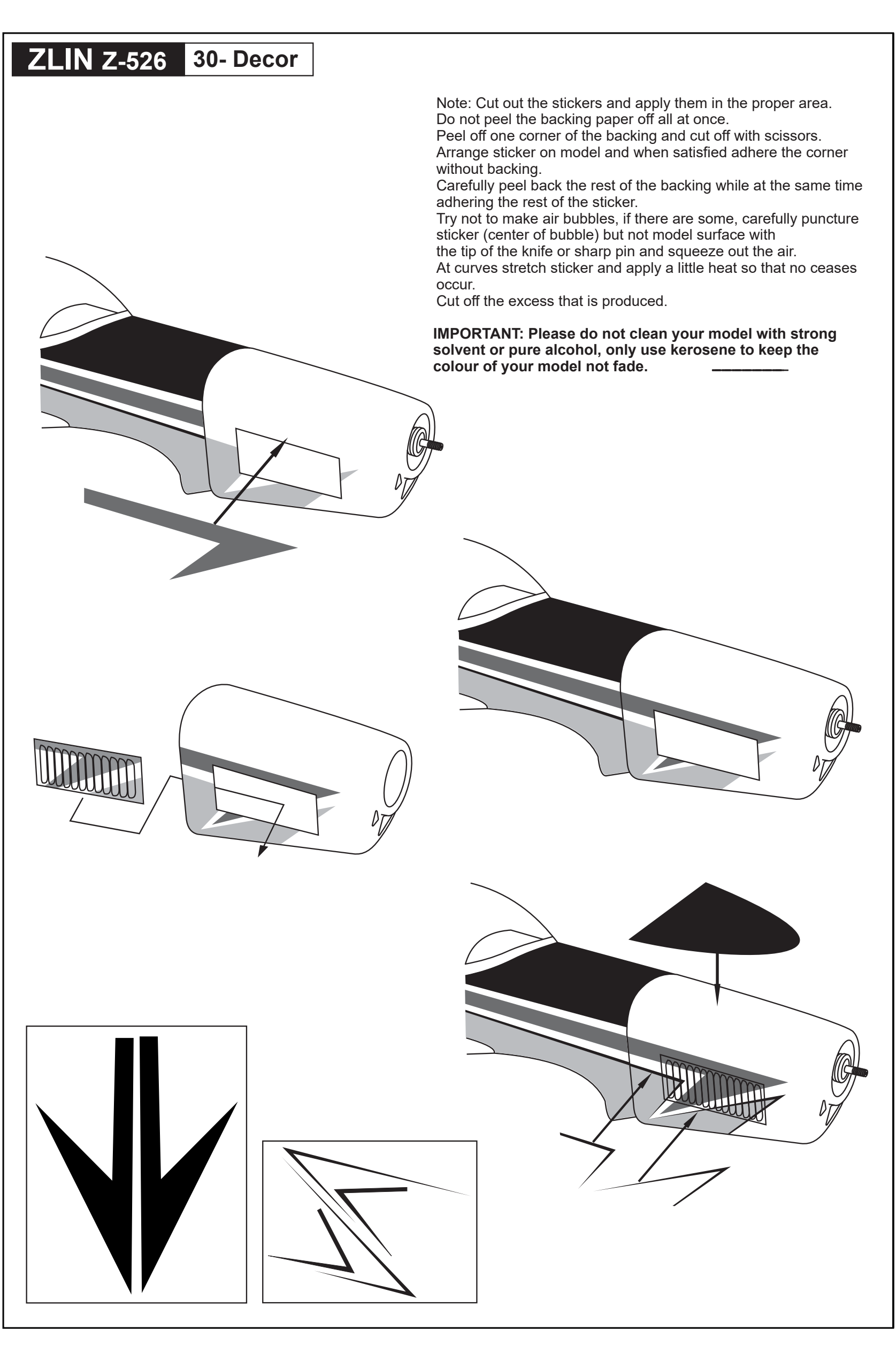
ZLIN Z-526 29- Decor


Akrobat
HB-TRQ
ZLIN 526 ASM
HB-TRQ
HB-TRQ
HB-TRQ
Akrobat
Akrobat
HB-TRQ
HB-TRQ
ZLIN 526 SWISS
Sticker

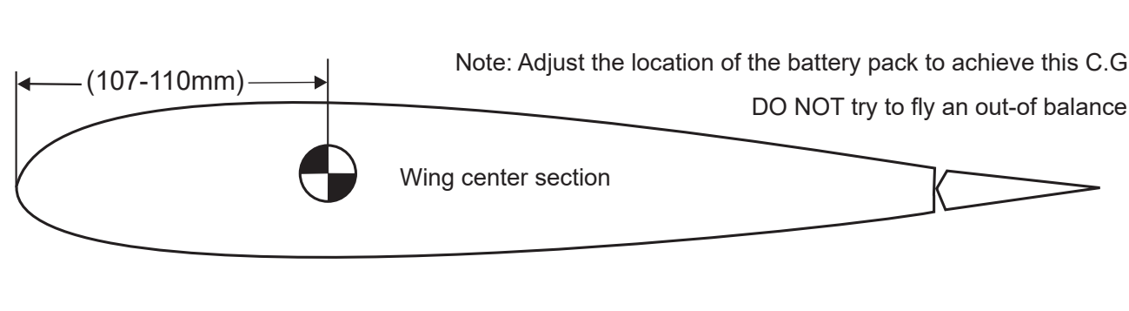
ZLIN Z-526 30- Decor

Note: Cut out the stickers and apply them in the proper area.
Do not peel the backing paper off all at once.
Peel off one corner of the backing and cut off with scissors.
Arrange sticker on model and when satisfied adhere the corner without backing.
Carefully peel back the rest of the backing while at the same time adhering the rest of the sticker.
Try not to make air bubbles, if there are some, carefully puncture sticker (center of bubble) but not model surface with the tip of the knife or sharp pin and squeeze out the air.
At curves stretch sticker and apply a little heat so that no ceases occur.
Cut off the excess that is produced.

IMPORTANT: Please do not clean your model with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.



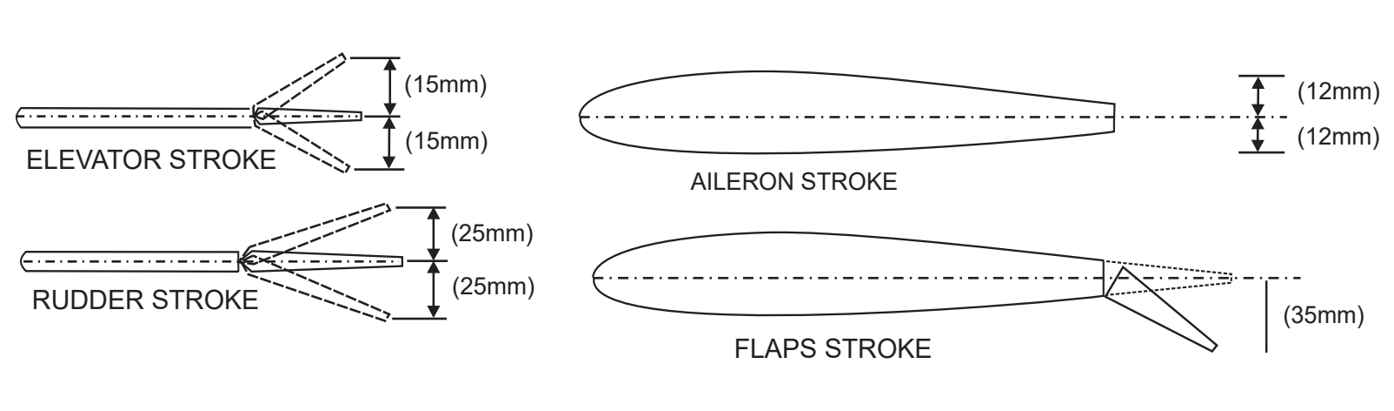
ZLIN Z-526 31- Balance


(107-110mm)
Wing center section

Note: Adjust the location of the battery pack to achieve this C.G location.

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

30- Control surface


(15mm)
(15mm)
ELEVATOR STROKE
(25mm)
(25mm)
RUDDER STROKE
(12mm)
(12mm)
AILERON STROKE
(35mm)
FLAPS STROKE

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.