

INSTRUCTION MANUAL MONTAGEANLEITUNG



Radio control model R/C Flugmodell

TECHNISCHE DATEN

Spannweite	2550mm
Länge	1420mm
Elektroantrieb	(siehe nächste Seite)
Verbrennerantrieb	20cc 2-T
Fernsteuerung	8 Kanal / 7 Servos

SPECIFICATIONS

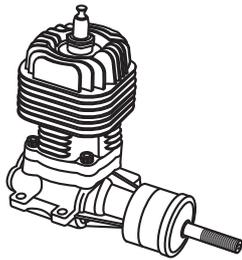
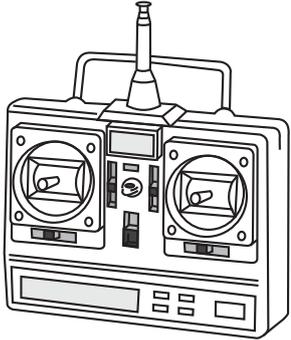
Wingspan	2550mm
Length	1420mm
Electric Motor	(See next page)
Glow Engine	.91 2T / 1.20 4T
Gasoline Engine	20cc 2T
Radio	8 Channel / 7 Servos



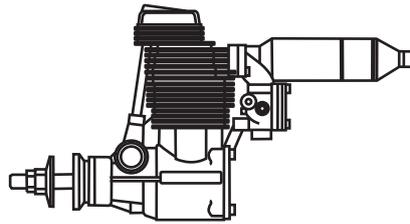
WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of control and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if you 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.

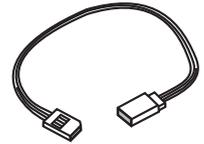
REQUIRED FOR OPERATION (Purchase separately)
BENÖTIGTE KOMPONENTEN FÜR DEN ABFLUG (Nicht enthalten)



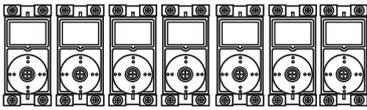
Gas Engine: 20cc



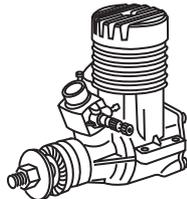
Glow Engine: 1.20 4T



Extension for Aileron, Throttle, Flap servo.



Minimum 8 channel radio for airplane with 8 servos
 .Motor control x1 .Aileron x2
 .Flap x2 Elevator x2 .Rudder x1



Glow Engine: .91 2T



1650W Brushless Motor



Fuel tube

GLUE (Purchase separately)



SILICON
Silicon sealer

Cyanoacrylate Glue
Klebstoff

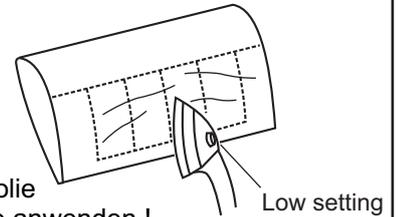


Epoxy Glue (5 minute type)
Epoxy-Klebstoff (5min-Typ)

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

If exposed to direct sunlight and/or heat, wrinkles can appear. Storing the model in a cool place will let the wrinkles disappear. Otherwise, remove wrinkles in covering film with a hair dryer, starting with low temperature. You can fix the corners by using a hot iron.

Bei Sonneneinstrahlung und/oder Wärme kann die Folie erschlaffen bzw. Falten entstehen. Verwenden Sie ein Warmluftgebläse (Haartrockner) um evtl. Falten aus der Folie zu bekommen. Die Kanten können Sie mit einem Bügeleisen behandeln. Nicht zuviel Hitze anwenden!



Low setting

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.

SAFETY NOTES BEFORE ASSEMBLING

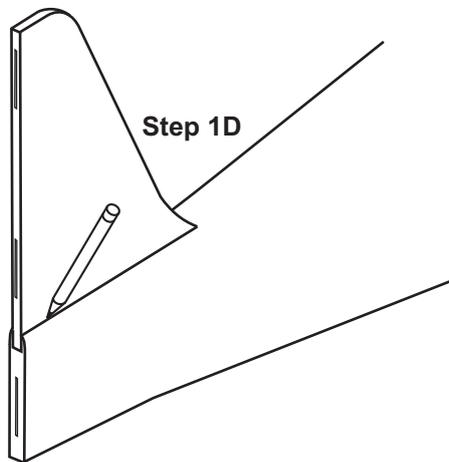
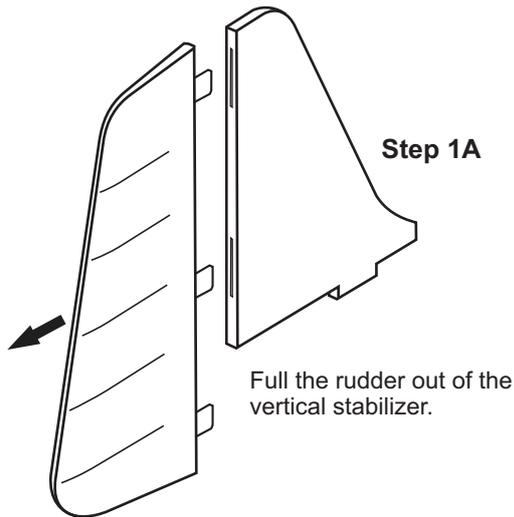
This model is highly pre-fabricated and can be built in a very short time. However, the work which you have to carry out is important and must be done carefully.

The model will only be strong and fly well if you complete your tasks competently - so please work slowly, accurately and check every joints, maybe apply more glue to be safe.

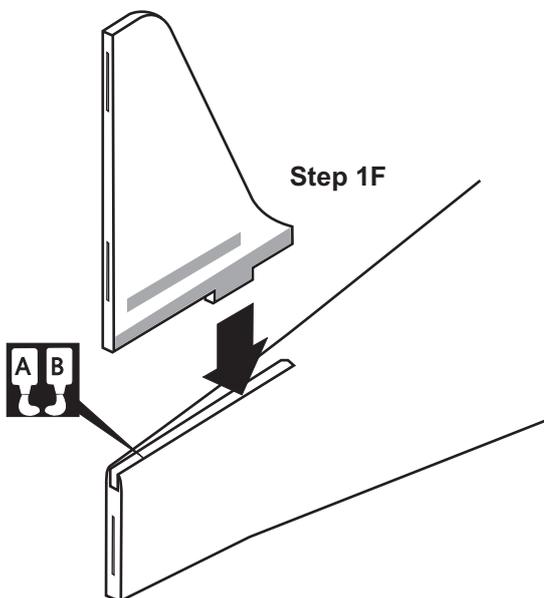
Read through the manual before you begin, so you will have an overall idea of what to do.

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.

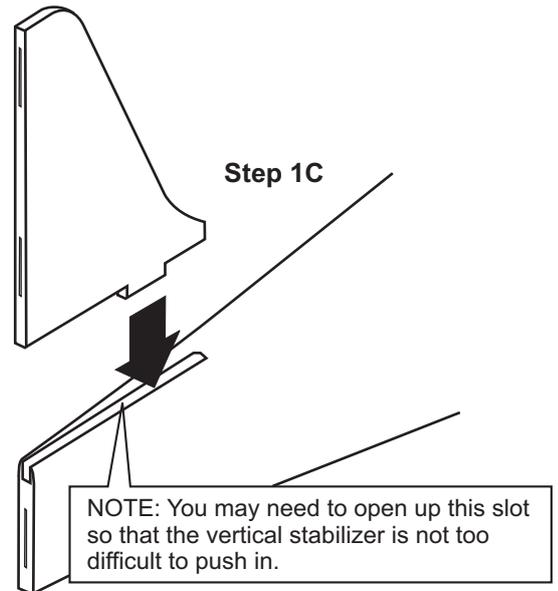
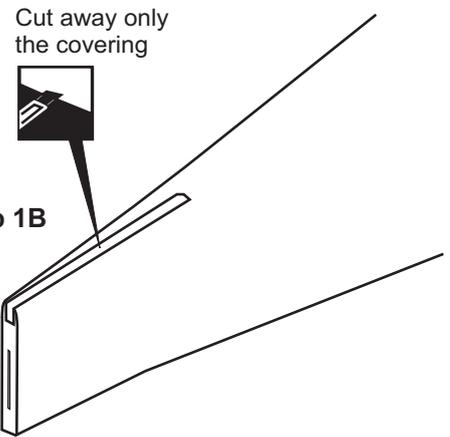
SKYFOX 1- Vertical stabilizer



Trial fit the vertical stabilizer in place. Check the alignment of the vertical stabilizer. When you are satisfied with the alignment, use a pencil to trace around the left and right of the stabilizer where it meets the fuselage.

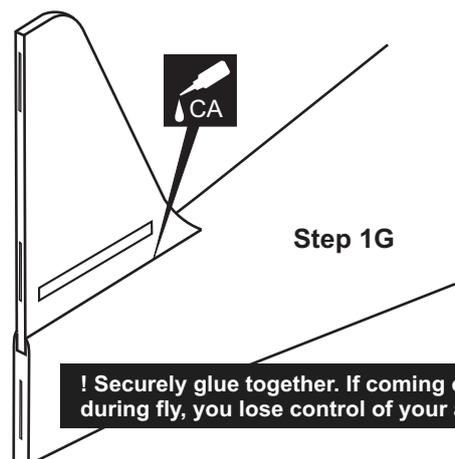


Apply a thin layer of epoxy **on the bottom** of the slot on the fuselage.

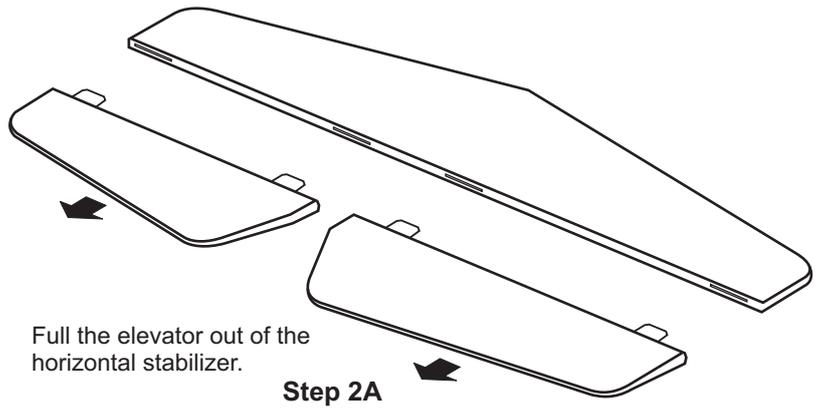


Remove the vertical stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above.

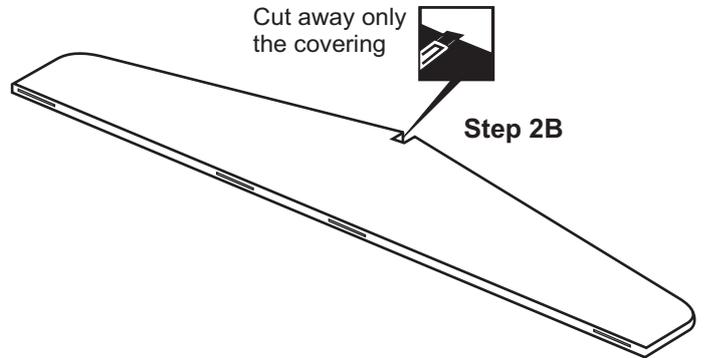
Be cautious **not to cut into the wood**, this will weaken the structure.



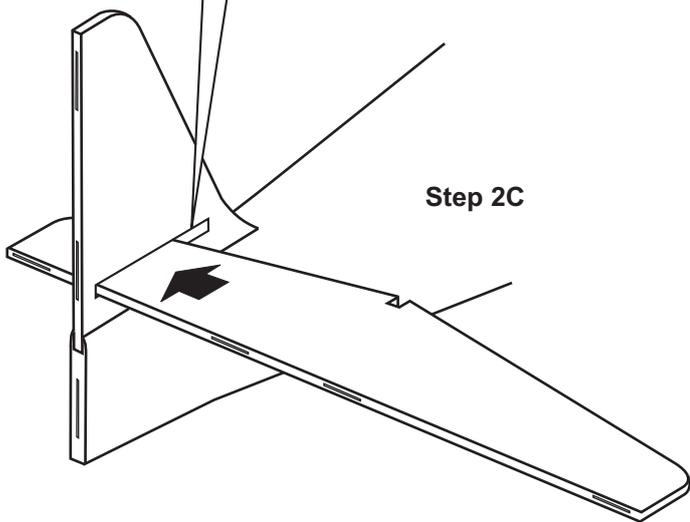
SKYFOX 2- Horizontal stabilizer



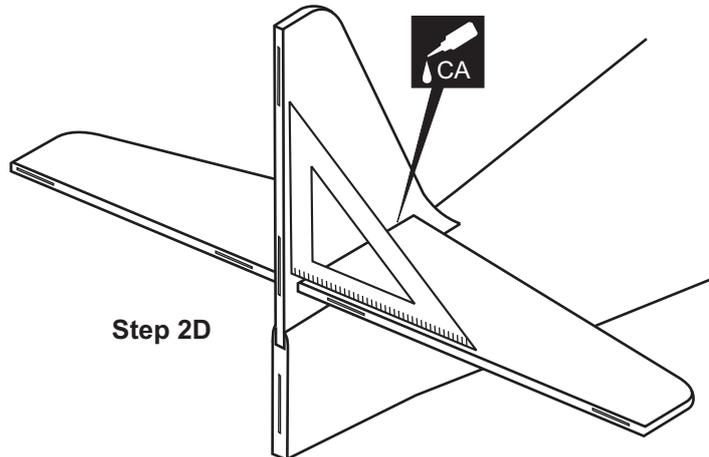
Cut away only the covering



NOTE: You may need to open up this slot so that the horizontal stabilizer is not too difficult to push in.

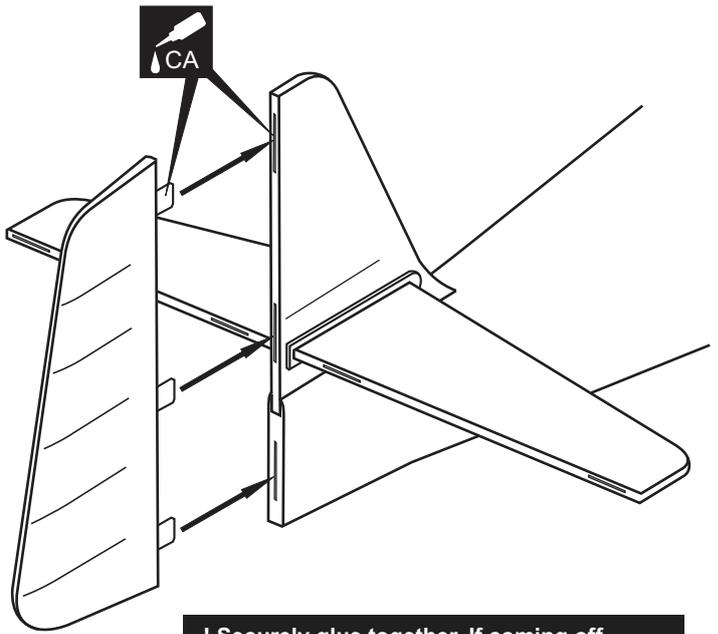
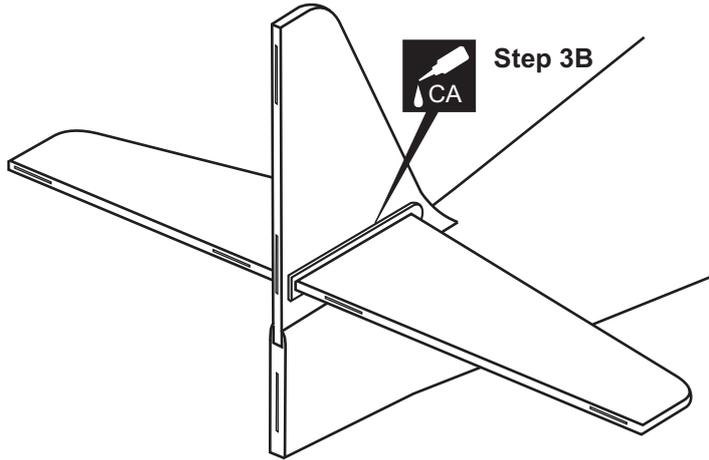
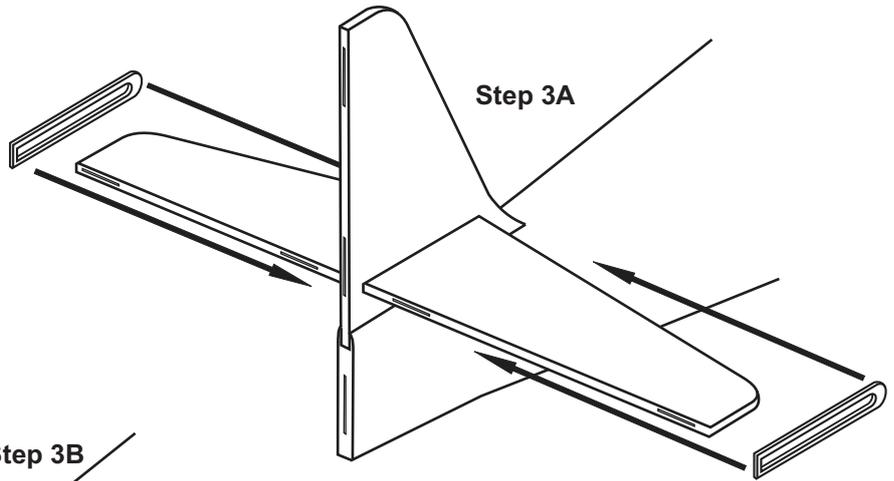


! Securely glue together. If coming off during fly, you lose control of your air plane.

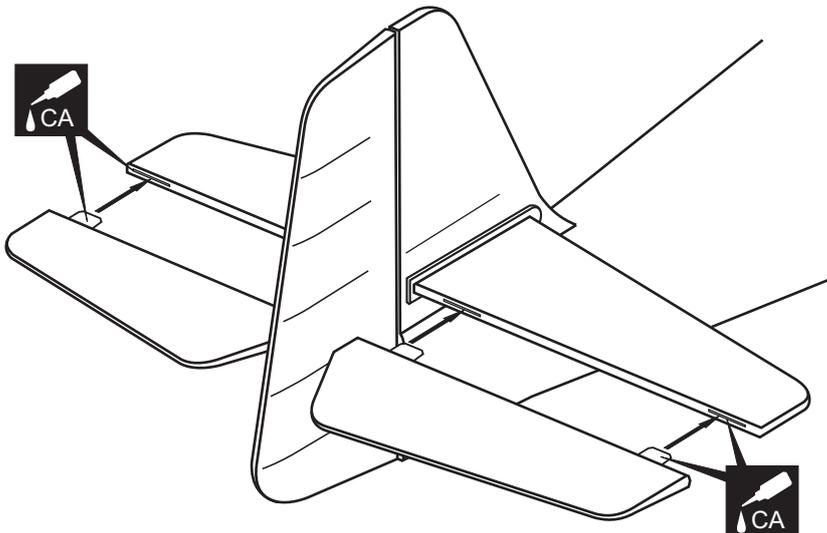


! Securely glue together. If coming off during fly, you lose control of your air plane.

SKYFOX 3- Horizontal stabilizer



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



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

SKYFOX 4- Tail gear assembling

2mm dia. connector

2

2.5mm in dia. collar

2

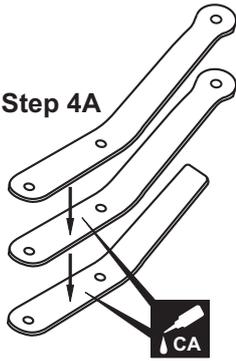
10mm out dia. collar

2

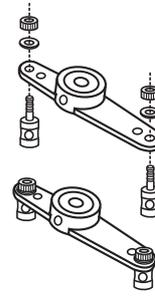
Tail gear arm

 ..1

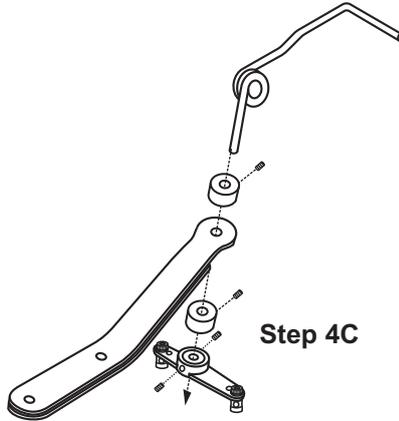
Step 4A



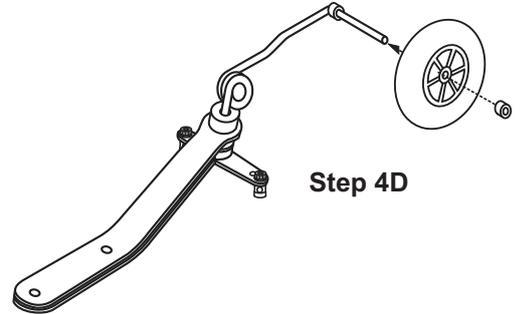
Step 4B



Step 4C

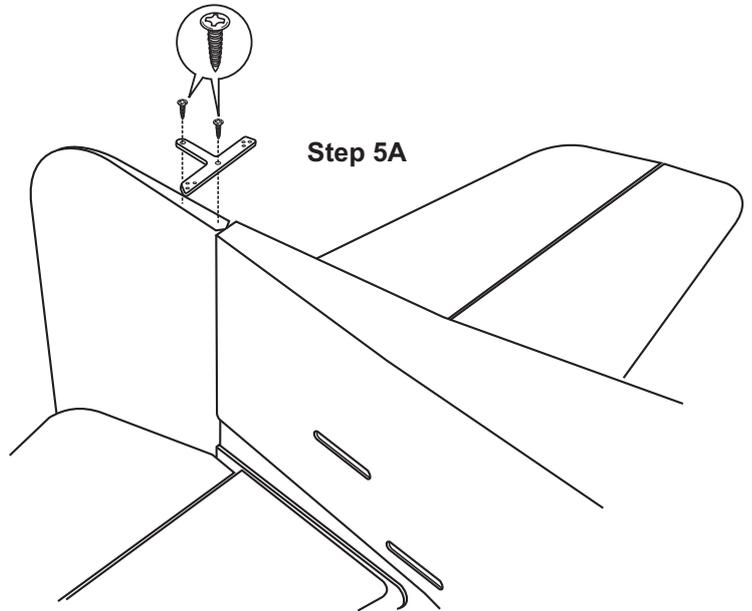


Step 4D

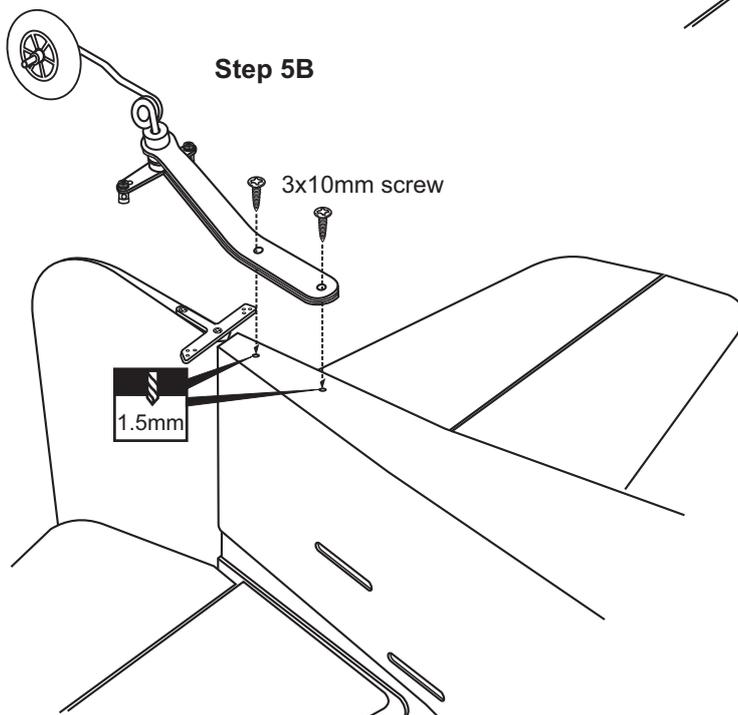


SKYFOX 5- Tail gear installation

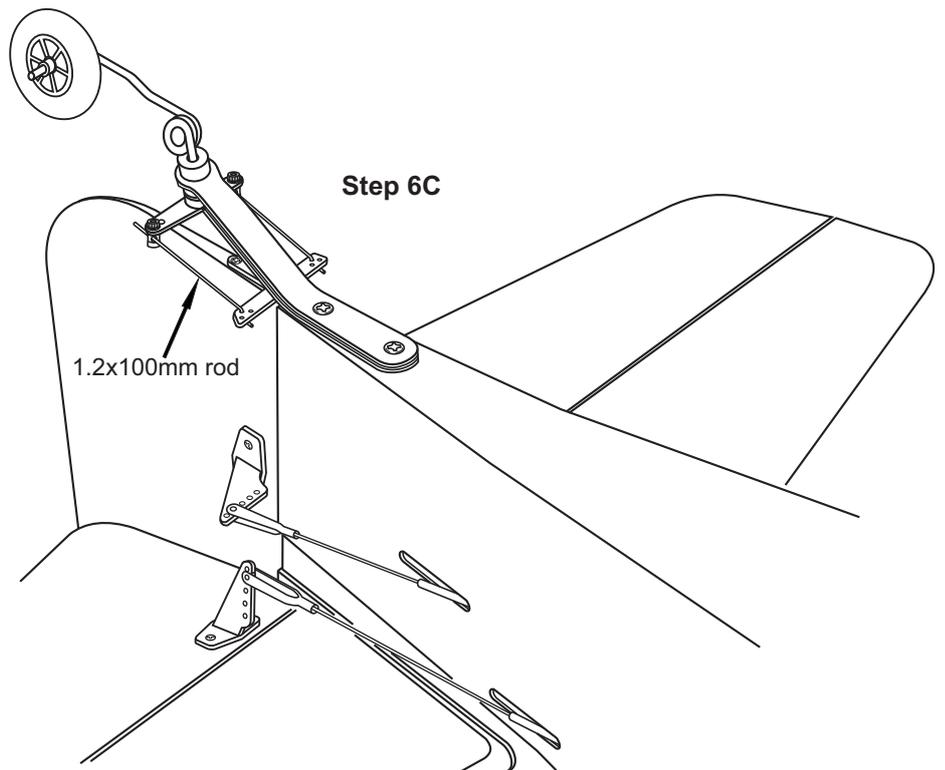
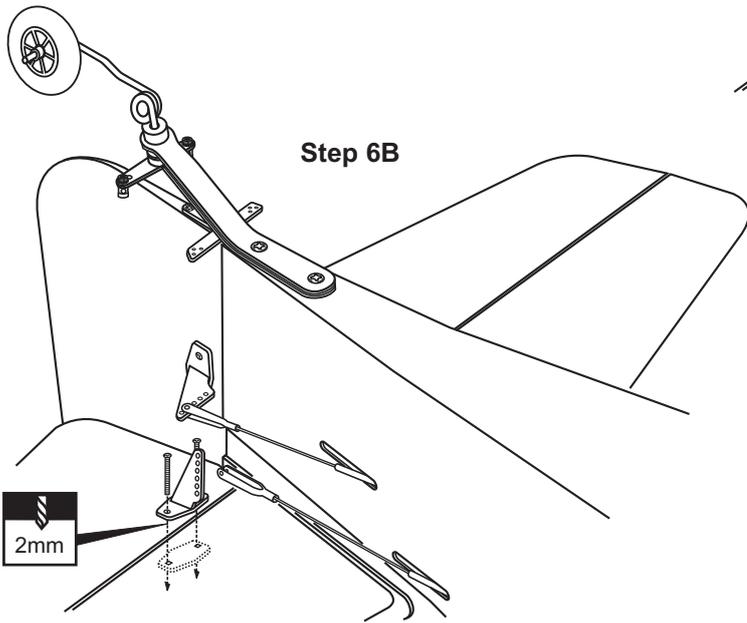
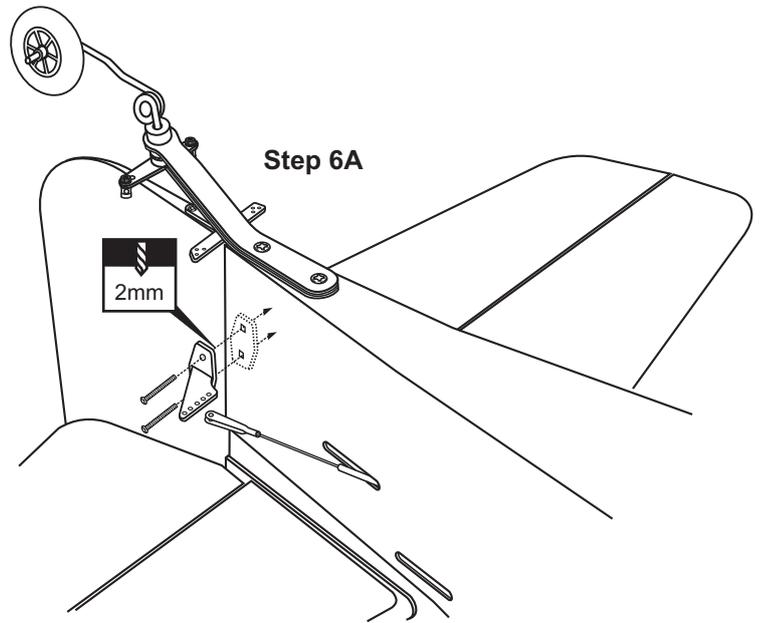
Step 5A



Step 5B



SKYFOX 6- Tail gear linkage - Control horn



Control horn



2x15mm screw



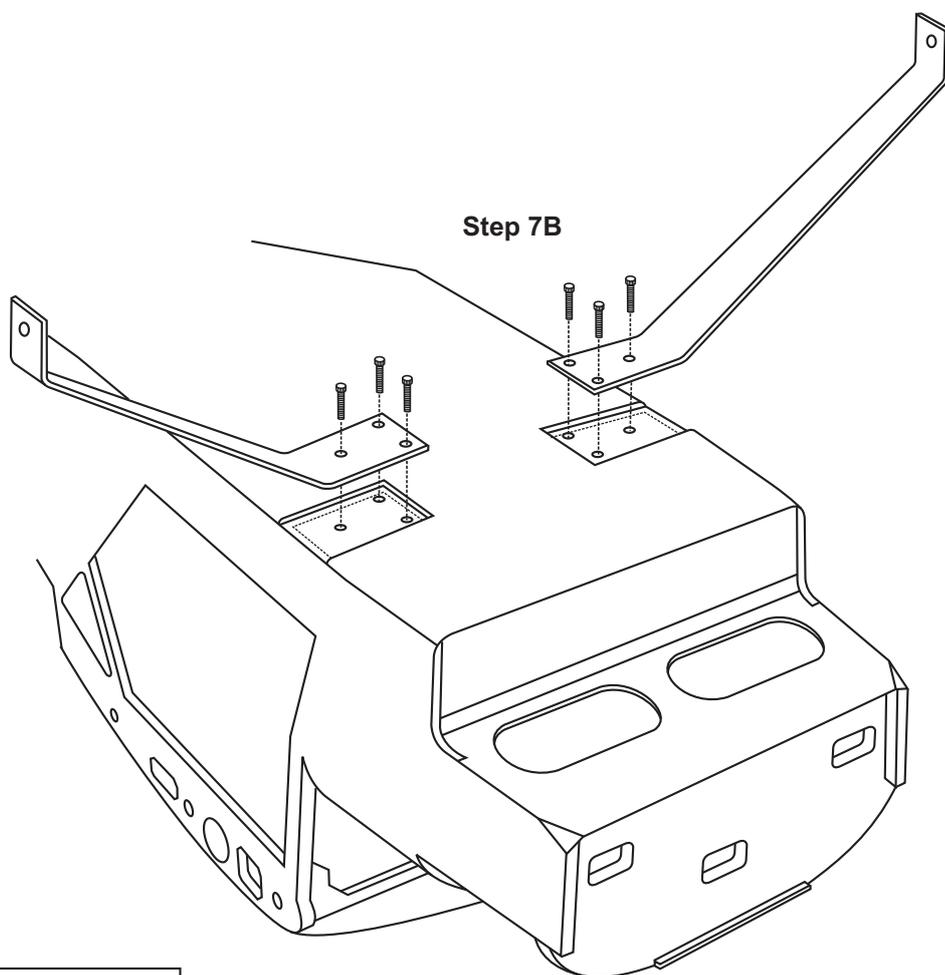
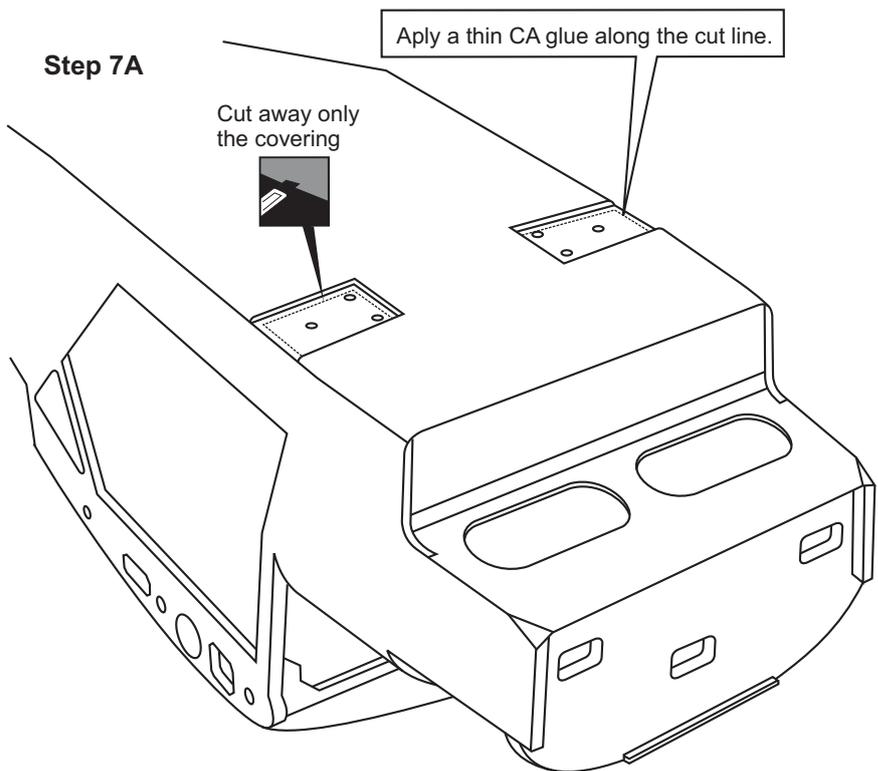
1.2x100mm rod



2x950mm rod



SKYFOX 7- Main landing gear

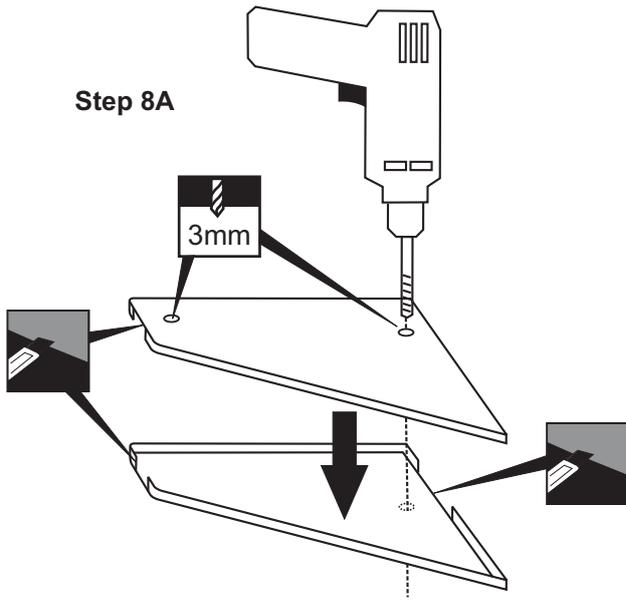


4X20mm hex bolt

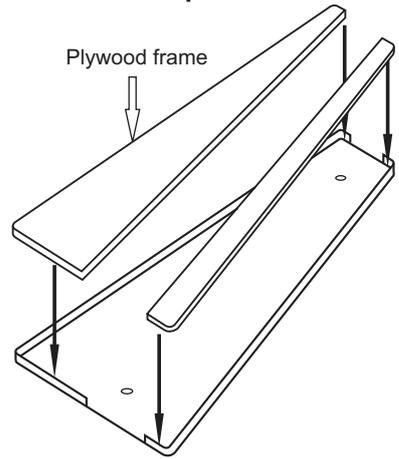


SKYFOX 8- Gear cover

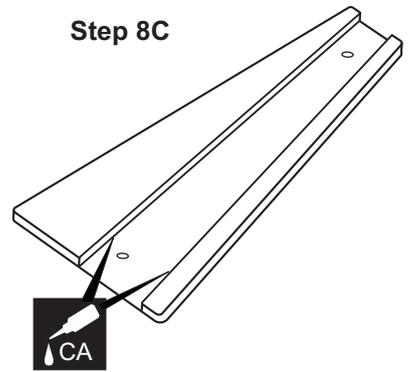
Step 8A



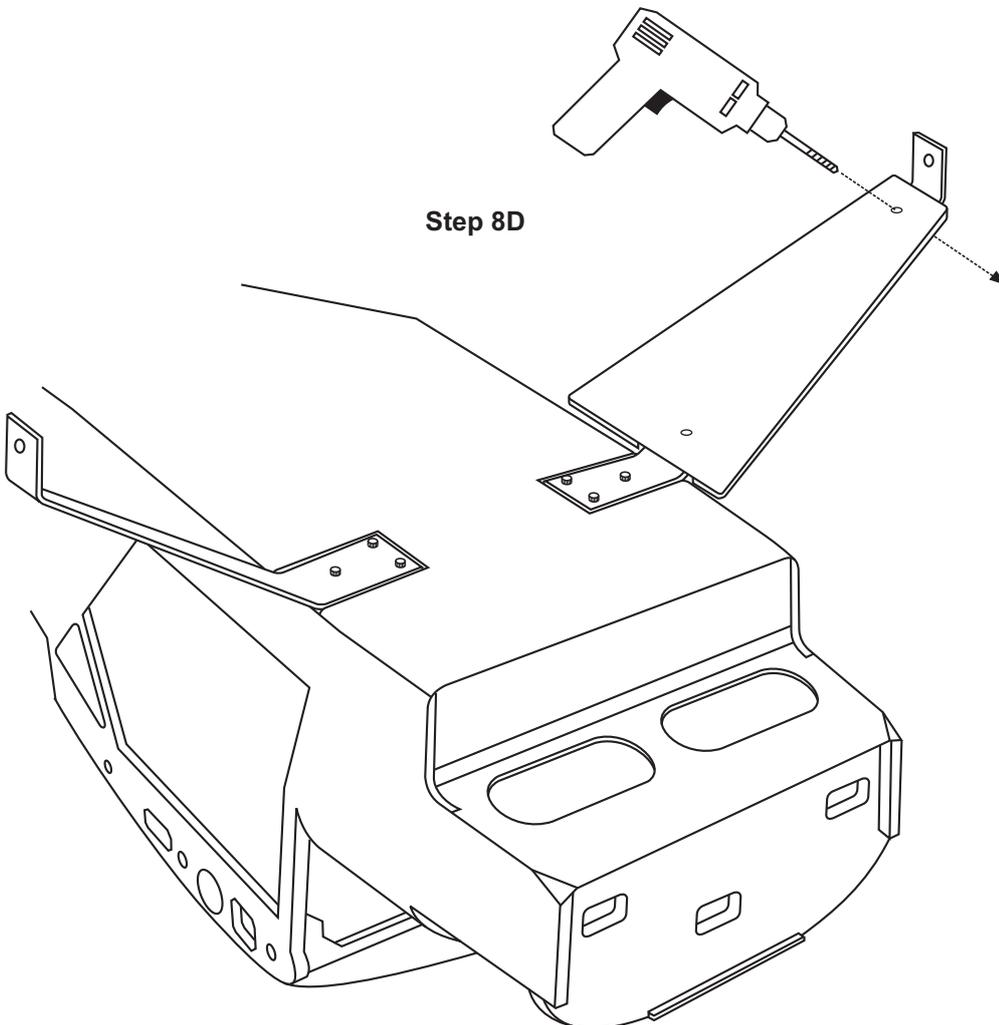
Step 8B



Step 8C

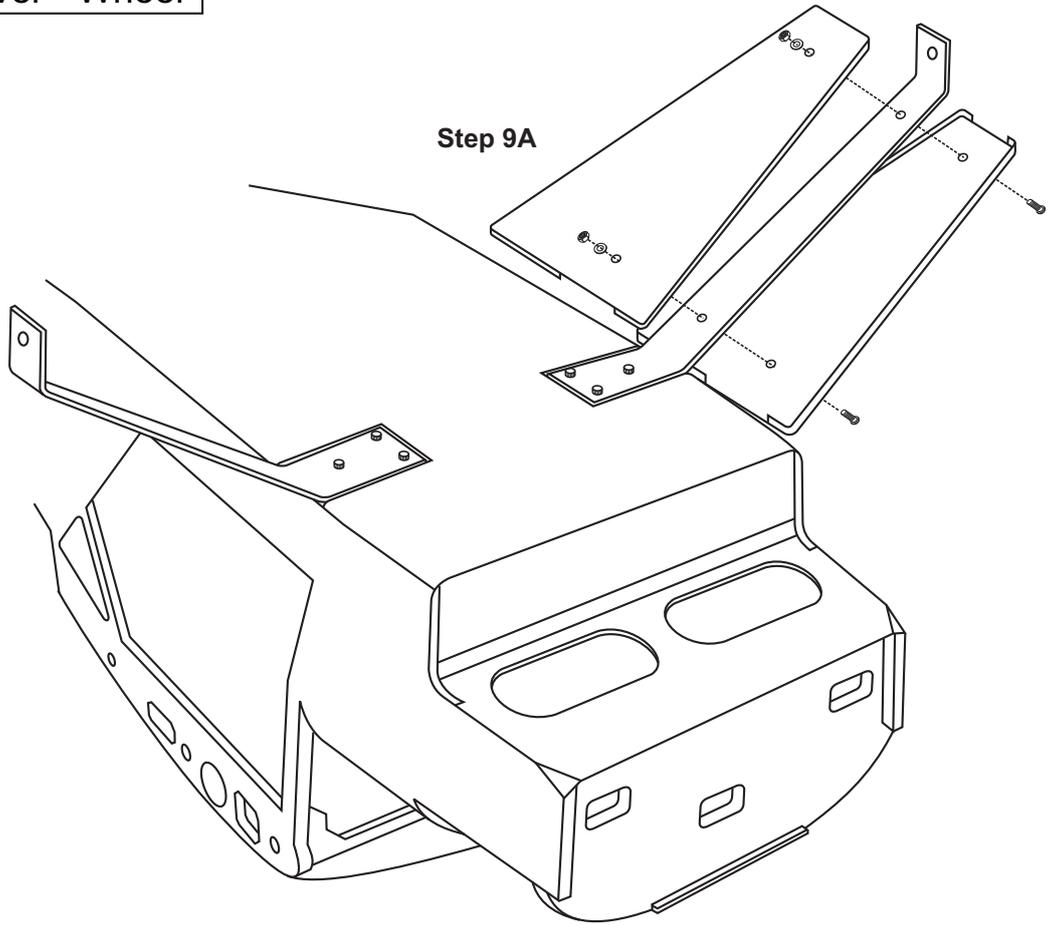


Step 8D



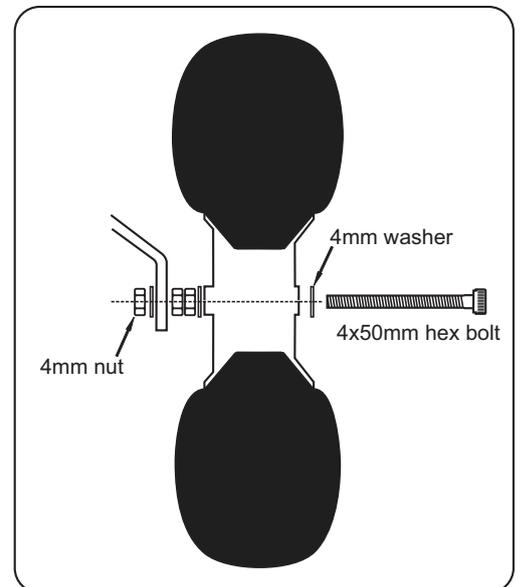
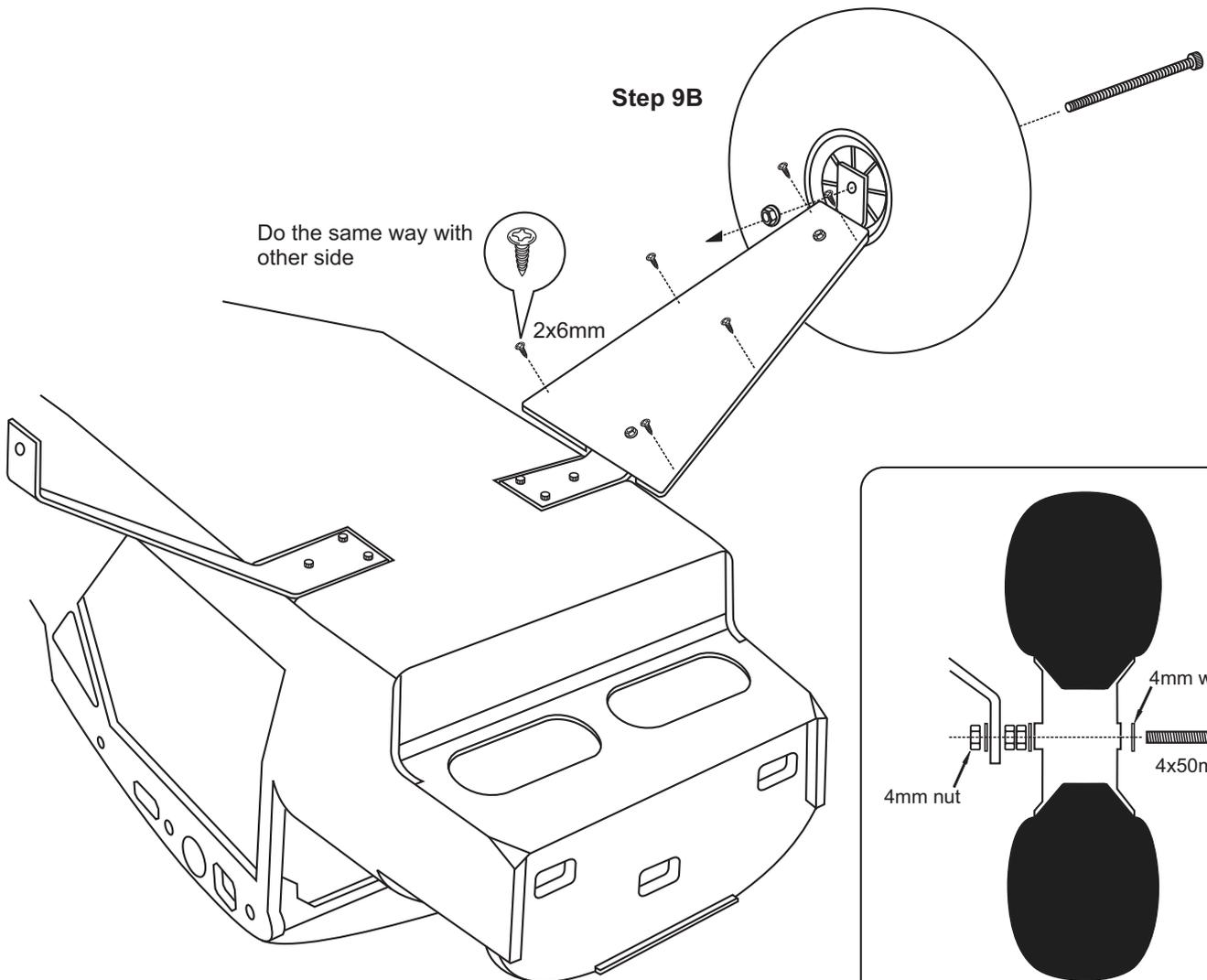
SKYFOX 9- Gear cover - Wheel

Step 9A



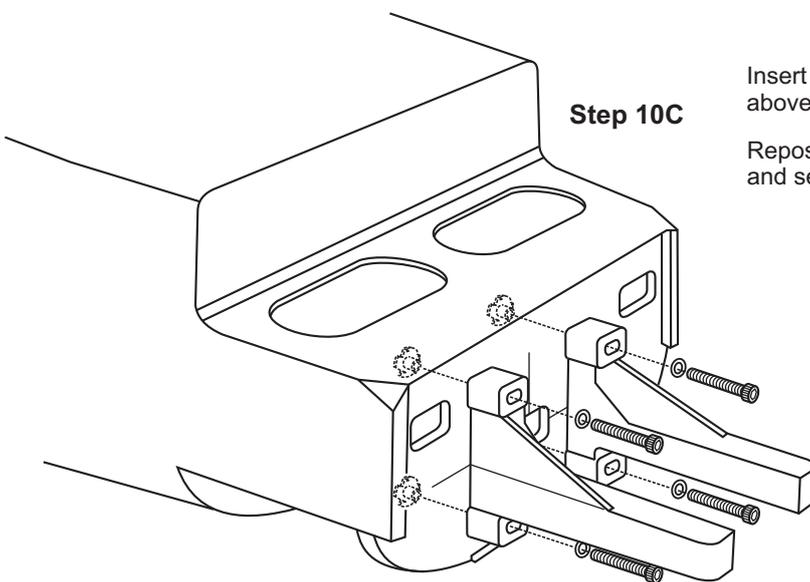
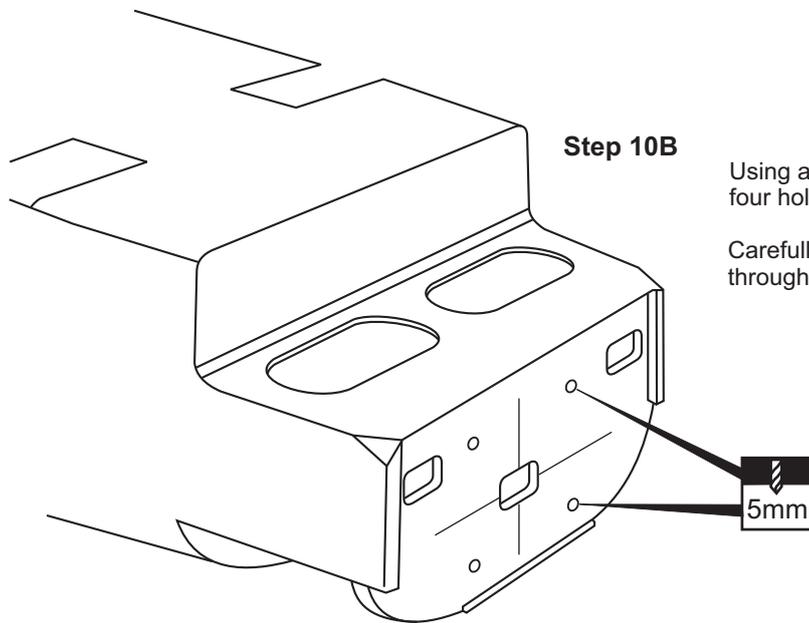
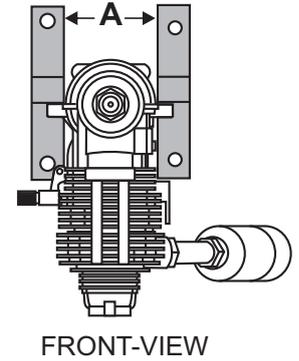
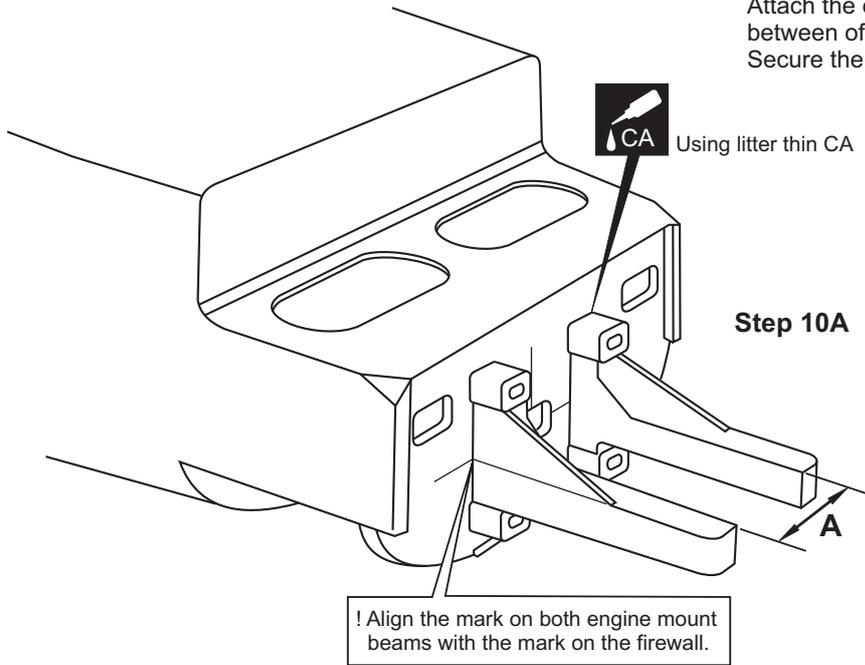
Step 9B

Do the same way with other side



SKYFOX 10- Gas engine

Attach the engine mount beams onto the fire-wall so the distance between of two engine mount beams is "A".
Secure the engine mount beams onto the fire-wall with litter CA glue.



- | | |
|-----------------|--------|
| 4x25mm hex bolt |4 |
| Blind-nut |4 |
| 4mm washer |4 |
| |4 |

SKYFOX 11- Gas engine

3x25mm hex bolt

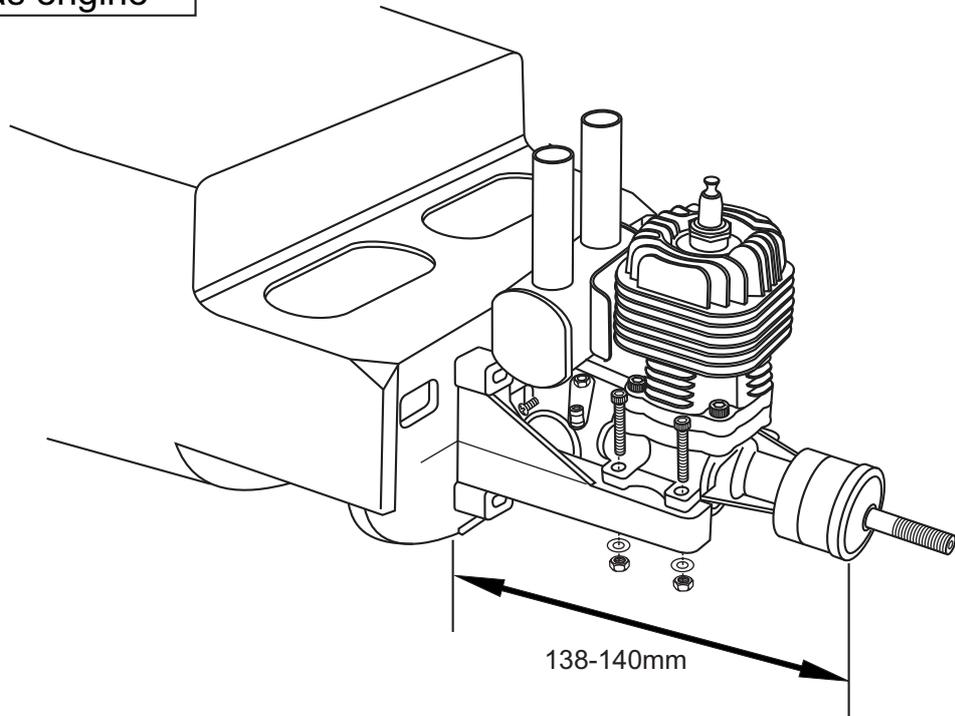
.....4

3mm nut

.....4

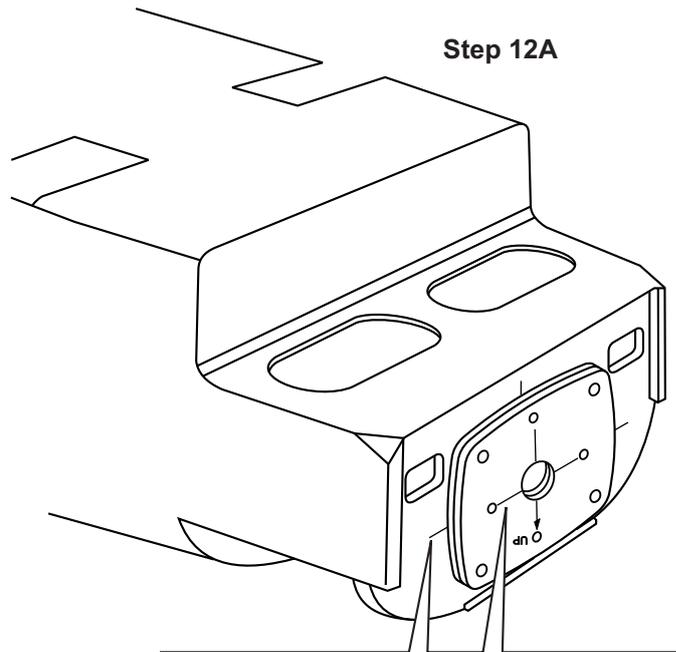
3mm washer

.....8



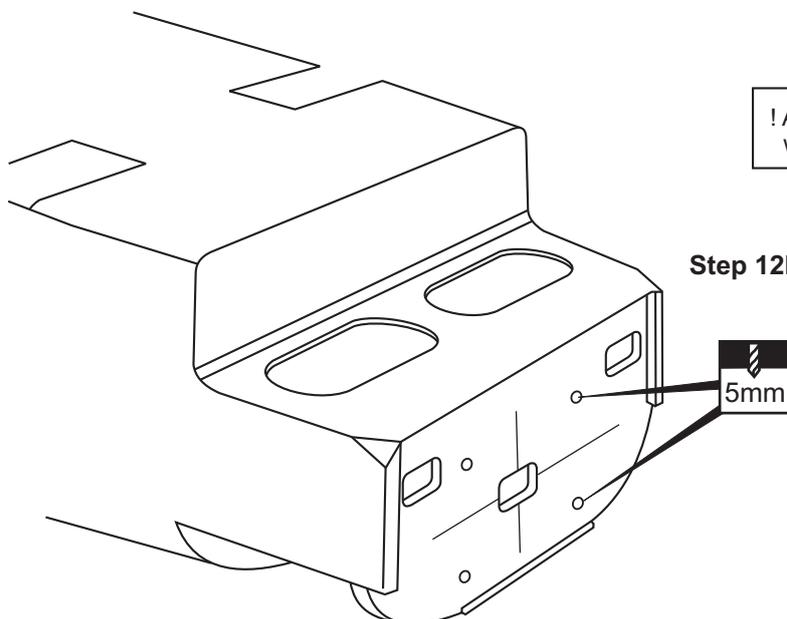
SKYFOX 12- Electric motor mount

Step 12A



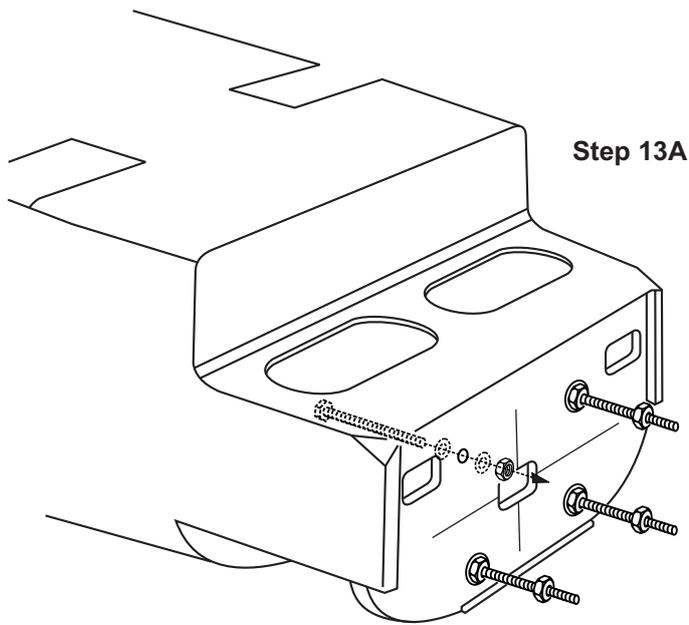
! Align the mark on the plywood motor mount with the mark on the fire-wall.

Step 12B

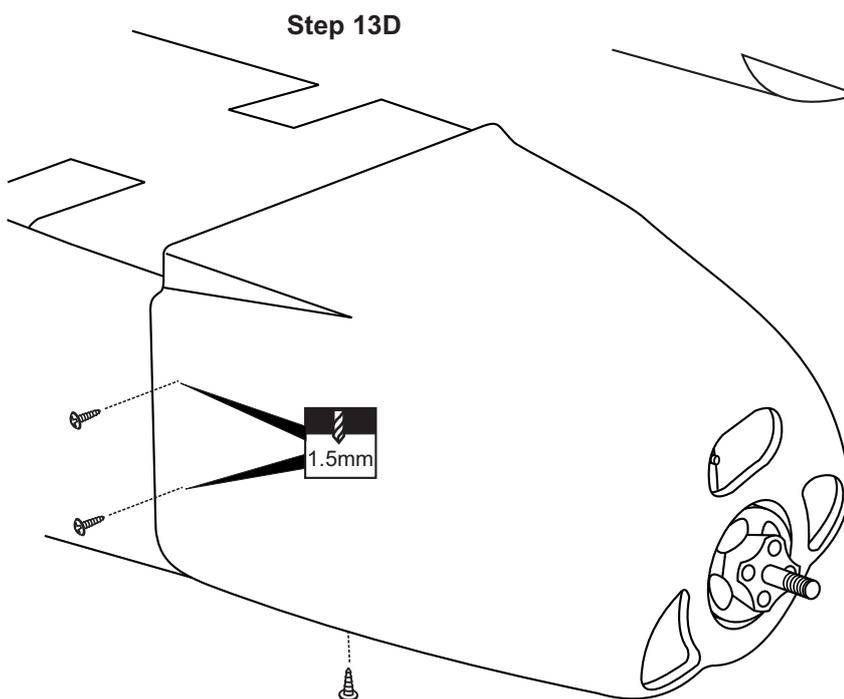
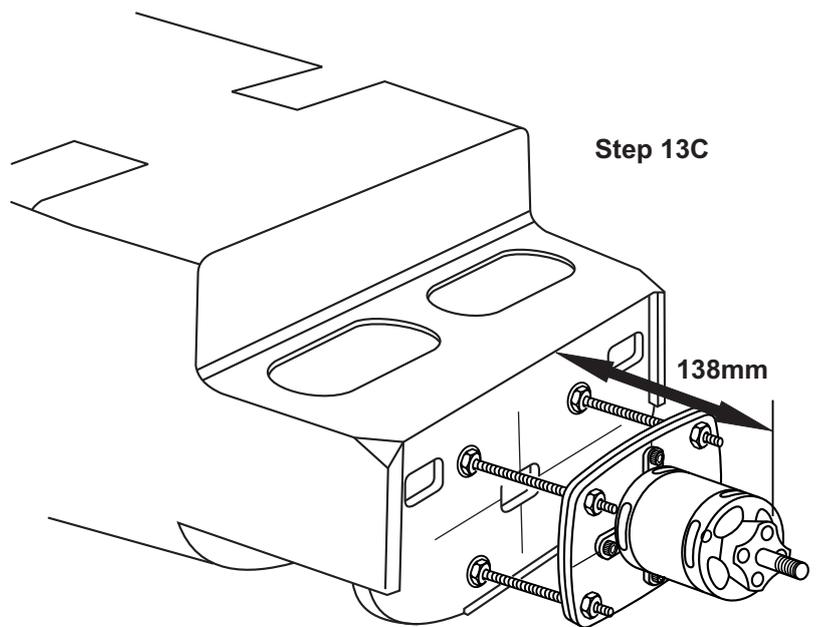
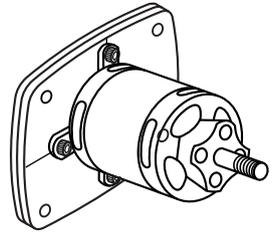
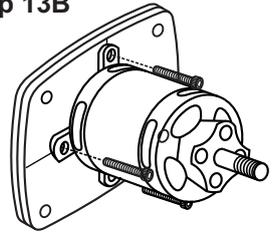


Remove the wooden motor mounting plate and drill a 5mm hole through the fire-wall at each of the four marks marked.

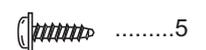
SKYFOX 13- Electric motor installation



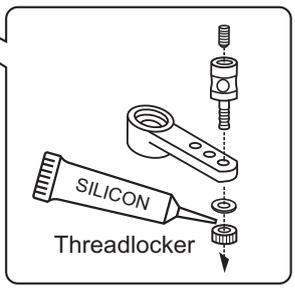
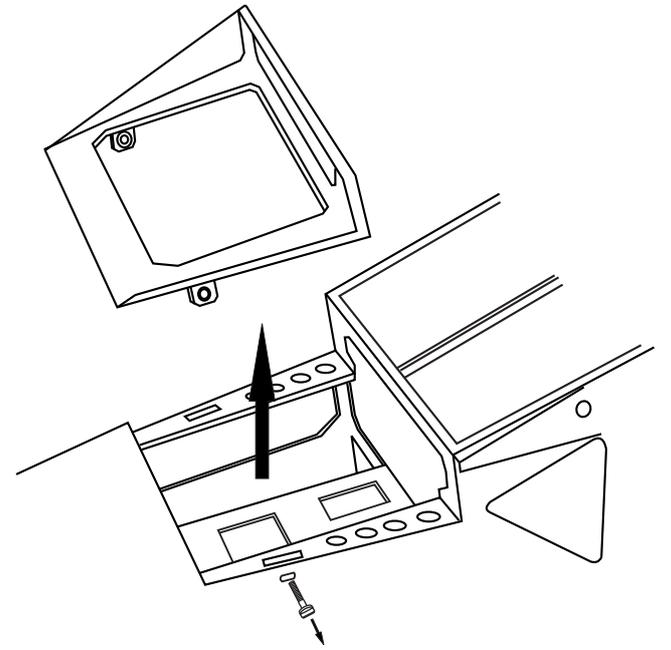
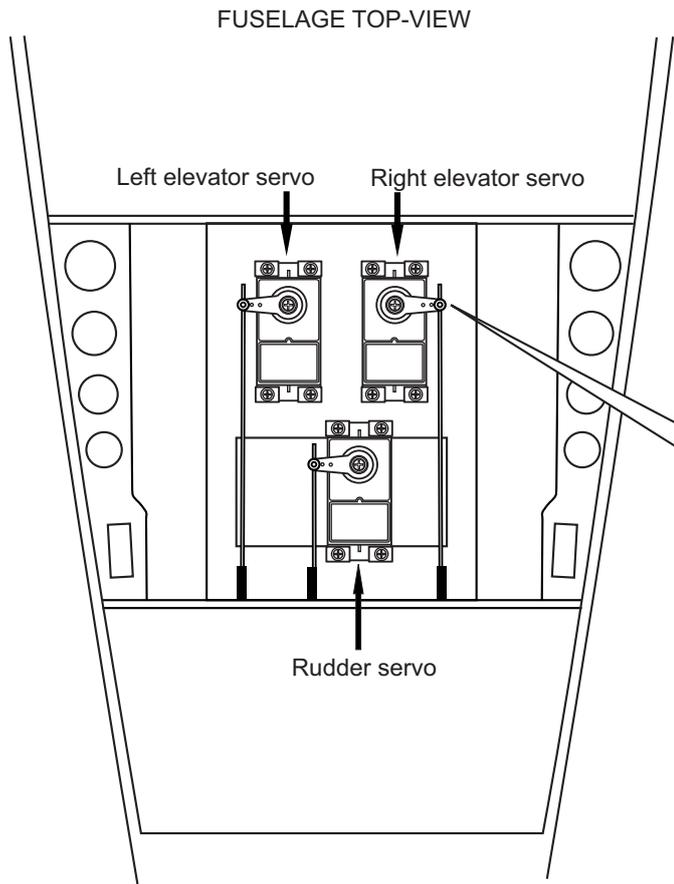
Step 13B



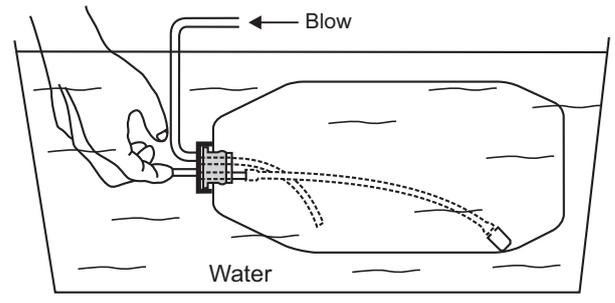
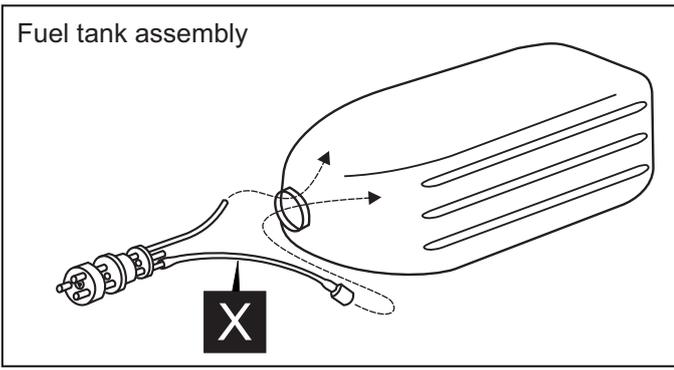
2.5x10mm screw



SKYFOX 14- Servos and linkages



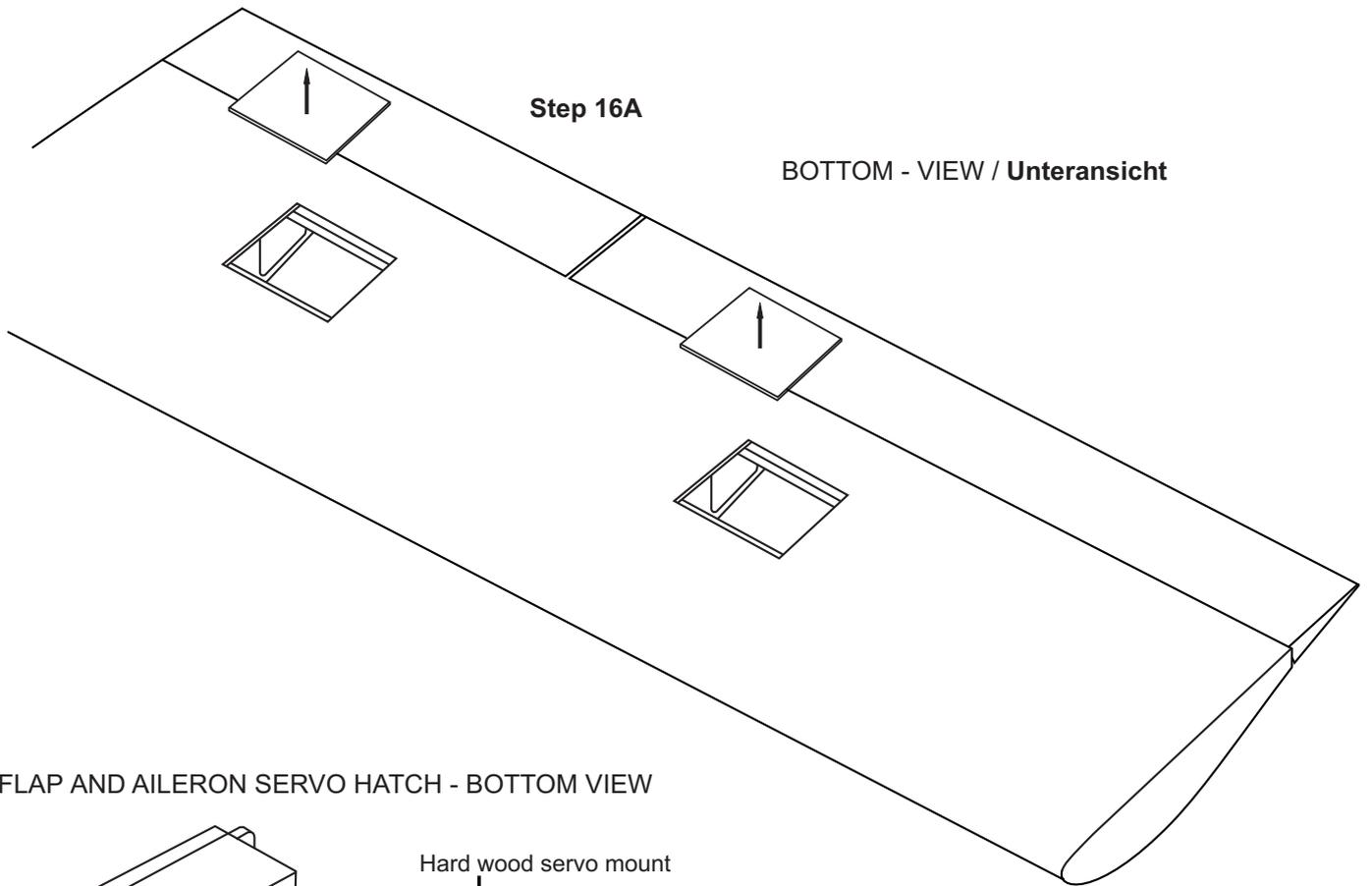
SKYFOX 15- Fuel tank



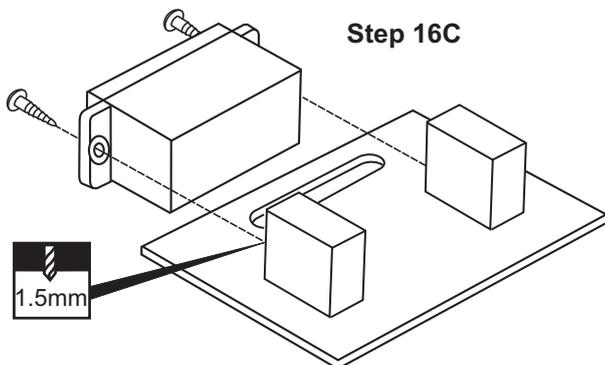
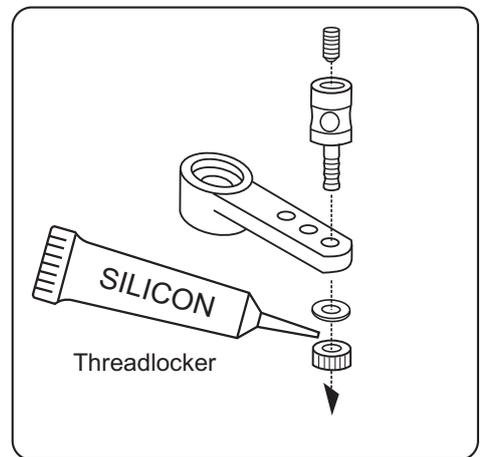
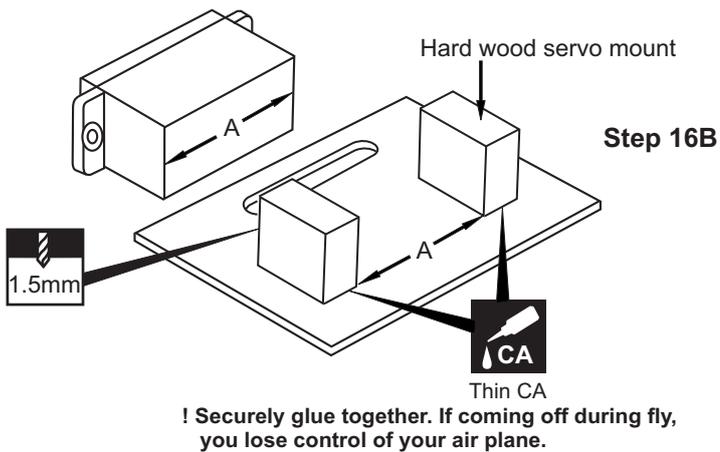
Checking for leaks - block the vents and blow into the feed, if in doubt submersing the tank in a blow of water will show up any problems.

Note: Fuel line not include.

SKYFOX 16- Aileron and flap servo

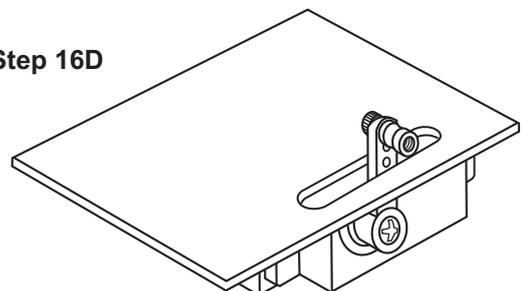


FLAP AND AILERON SERVO HATCH - BOTTOM VIEW



FLAP AND AILERON SERVO HATCH - TOP VIEW

Step 16D



3mm dia.connector



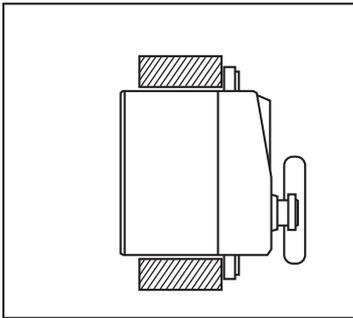
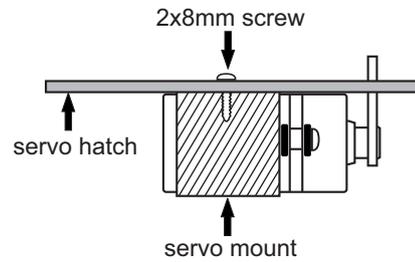
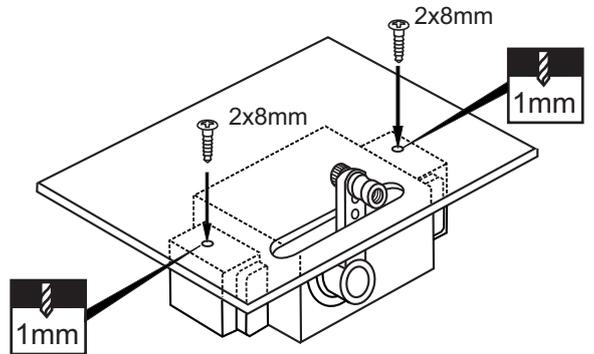
SKYFOX 17- Aileron and flap servo

Step 17A

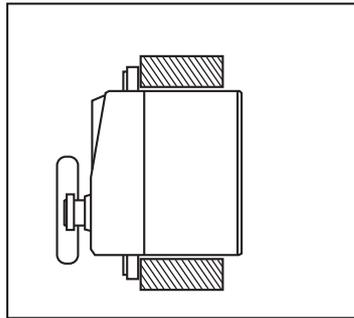


IMPORTANT:

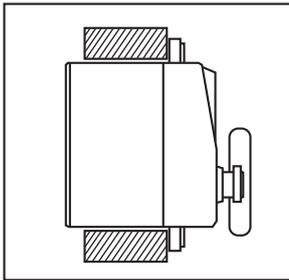
To be safe, you must attach the two screws as shown in this picture.



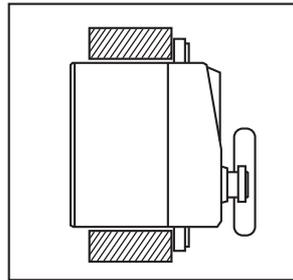
Aileron servo and hatch
RIGHT



Aileron servo and hatch
LEFT

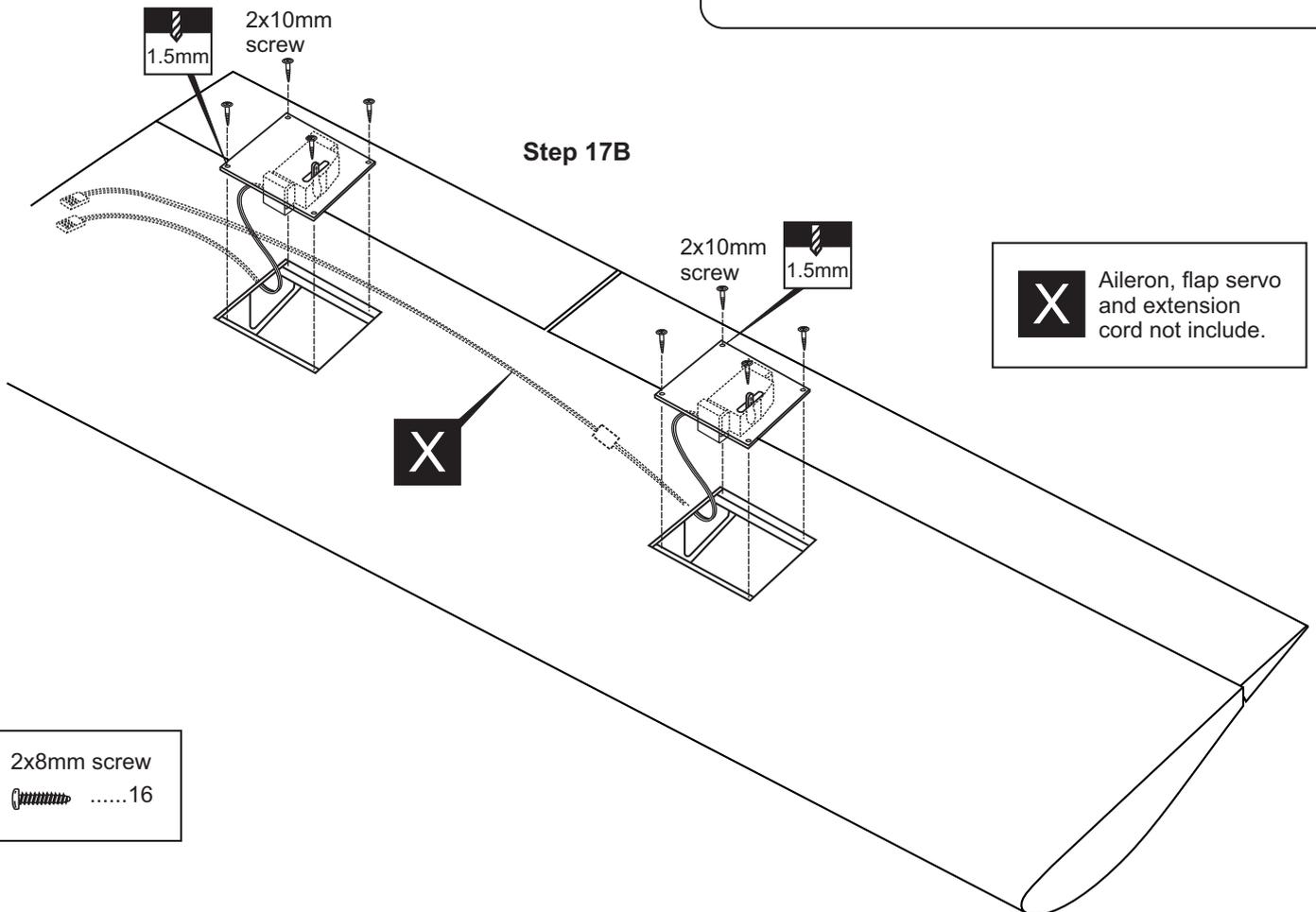


Flap servo and hatch
RIGHT



Flap servo and hatch
LEFT

Step 17B

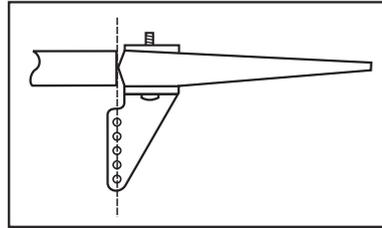
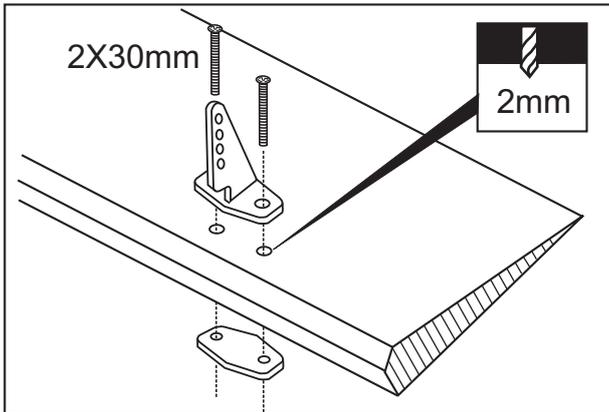


Aileron, flap servo
and extension
cord not include.

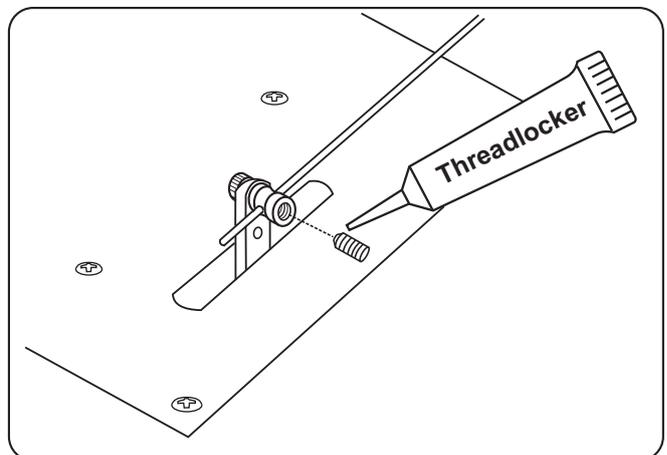
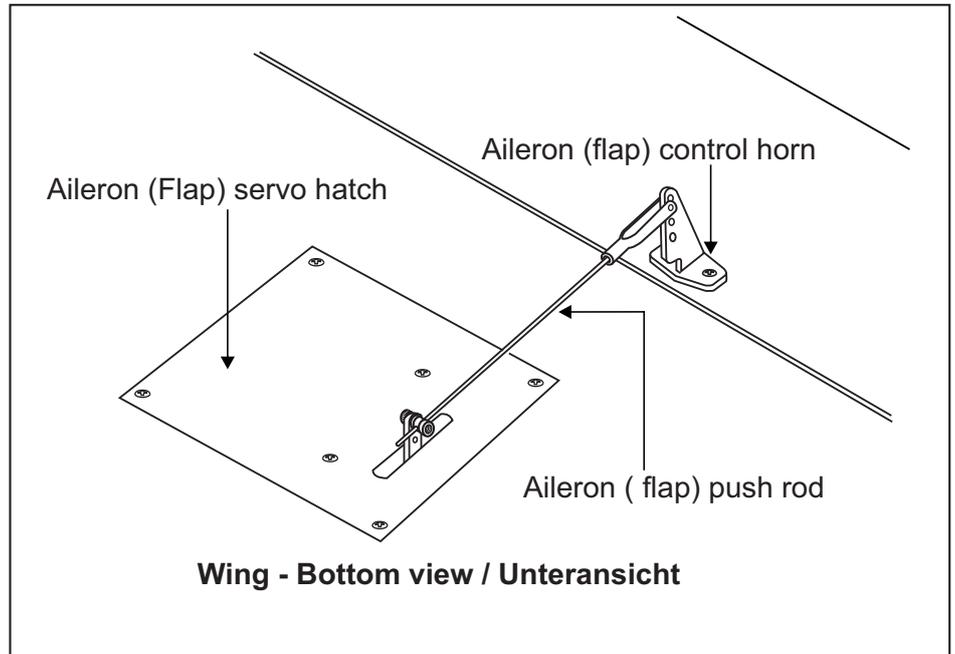
2x8mm screw

16

SKYFOX 18- Aileron and flap control horn - linkages

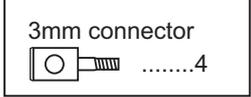
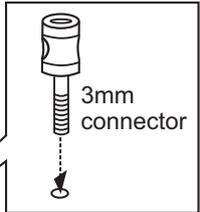


Control horn4
2x30mm screw8
3X175mm push rod4



SKYFOX 19- Connector

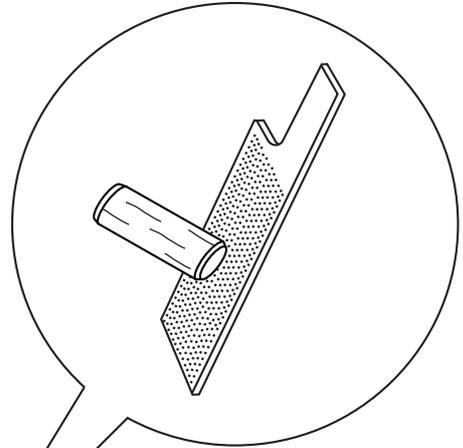
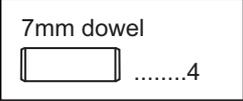
Note: The four holes underside of the wings are pre-drilled and fitted with blind-nuts inside.



L/R

SKYFOX 20- Dowel

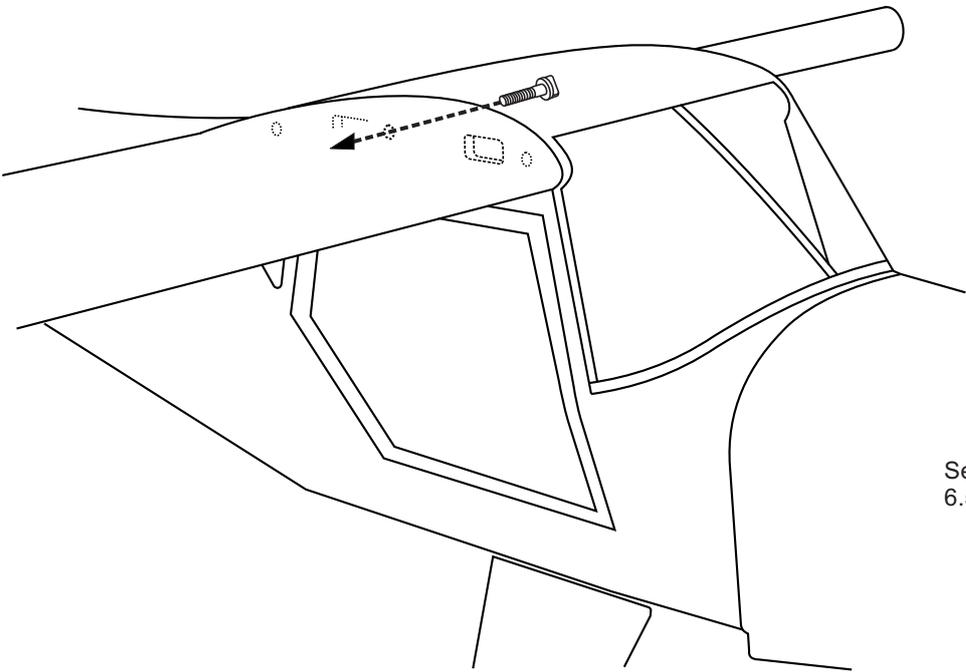
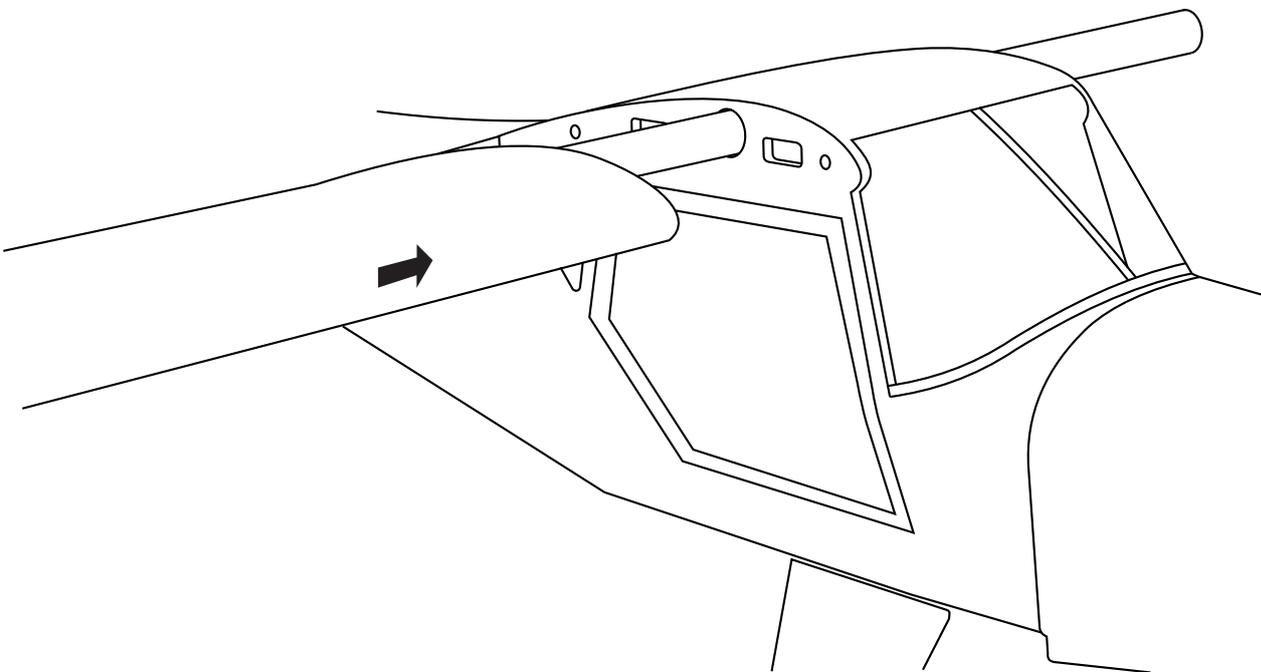
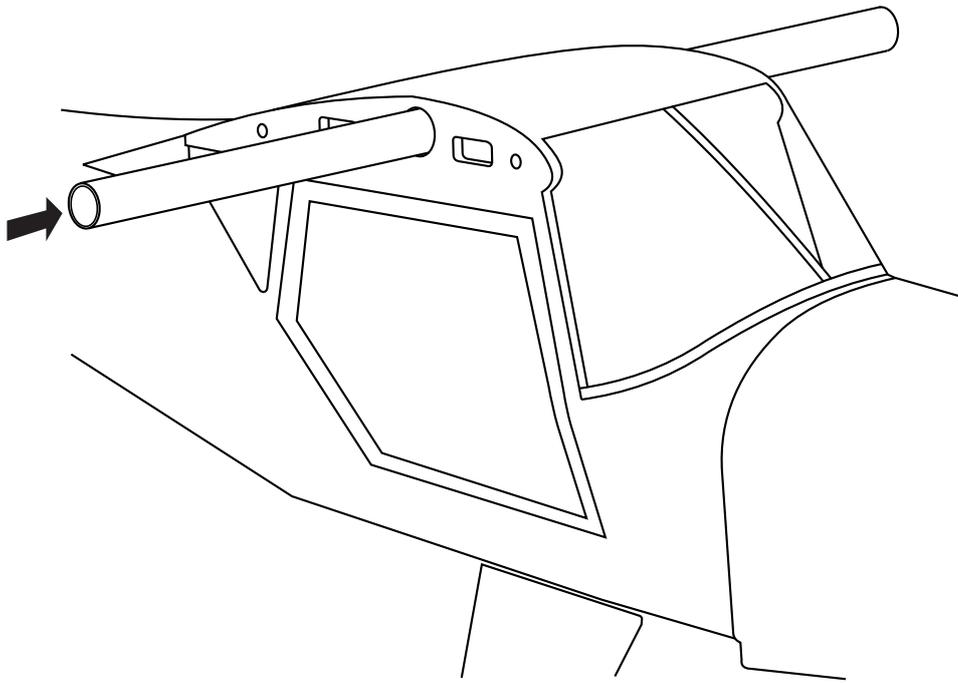
NOTE: You may need to open up this hole so that the wooden dowel is not too difficult to push in.



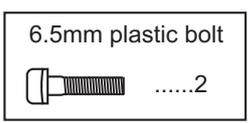
Note: Make sure that the dowel must be perpendicular with the wing root before glue.



SKYFOX 20- Fitting the wing

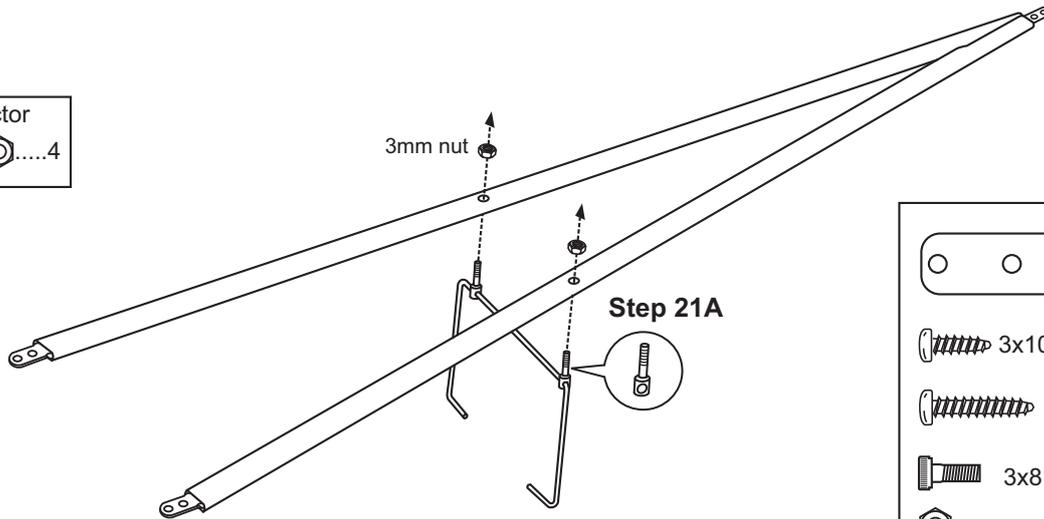


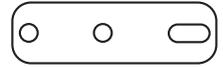
Secure the wing halvest in place using the 6.5mm dia. plastic bolt.

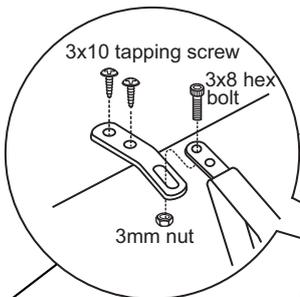


SKYFOX 21- Wing brace

3mm connector
.....4

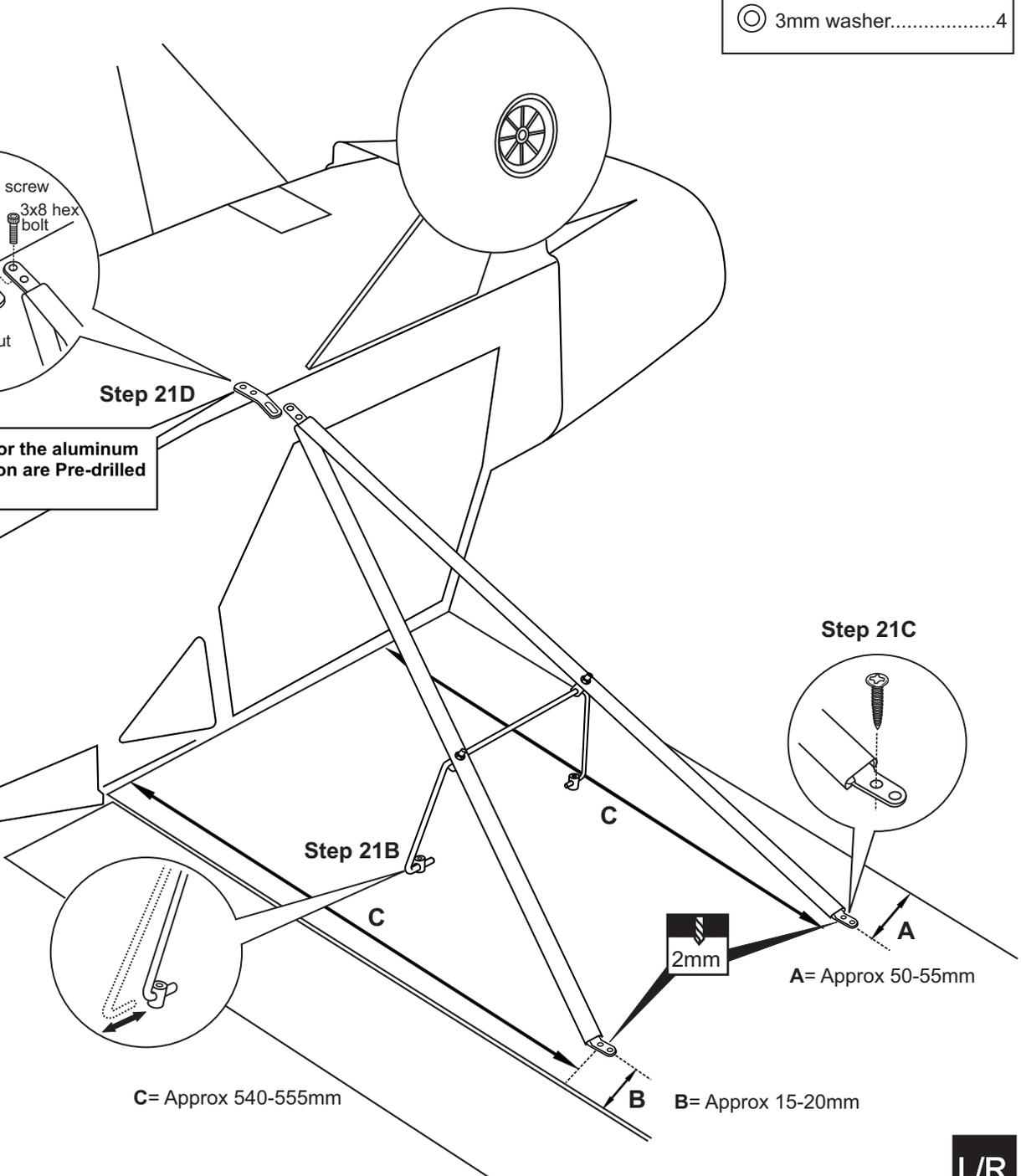


- 2
-  3x10 tapping screw...4
-  3x15 screw.....4
-  3x8 hex bolt2
-  3mm nut.....2
-  3mm washer.....4

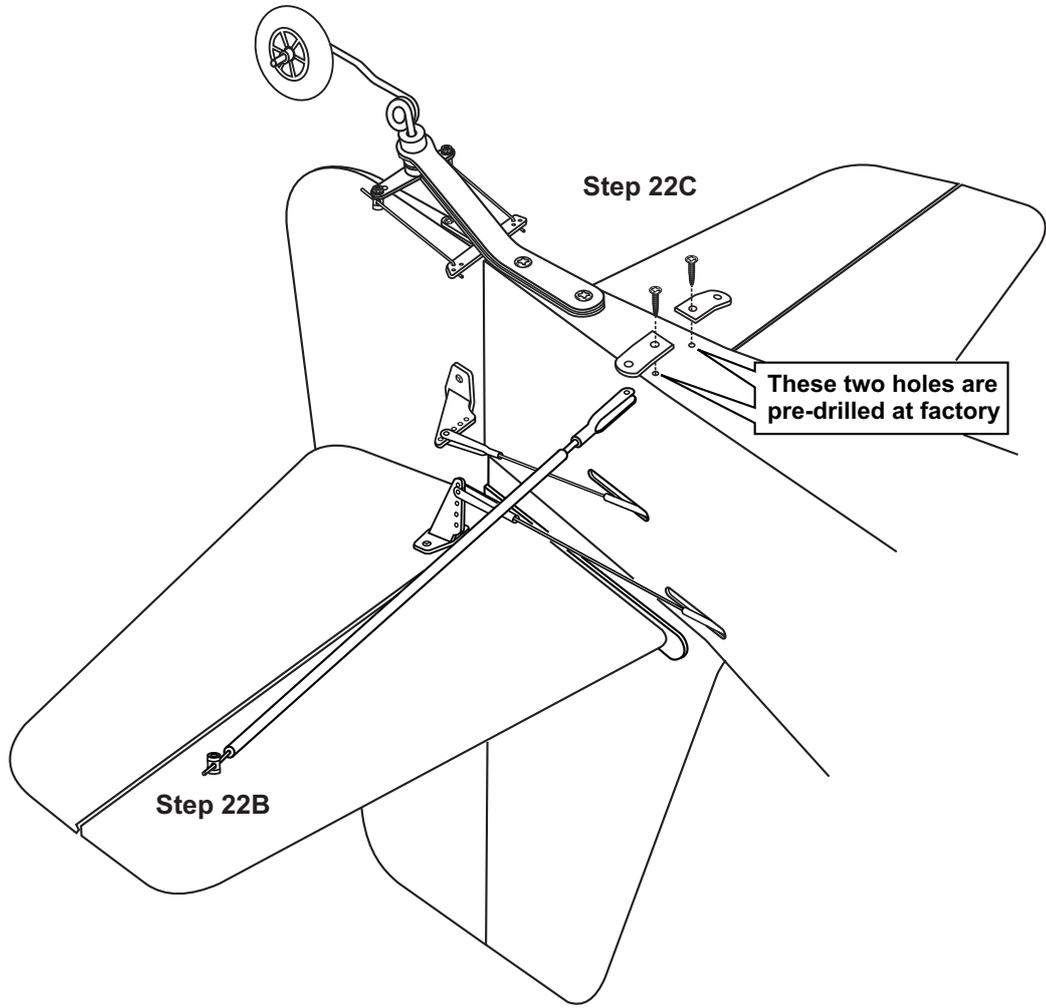
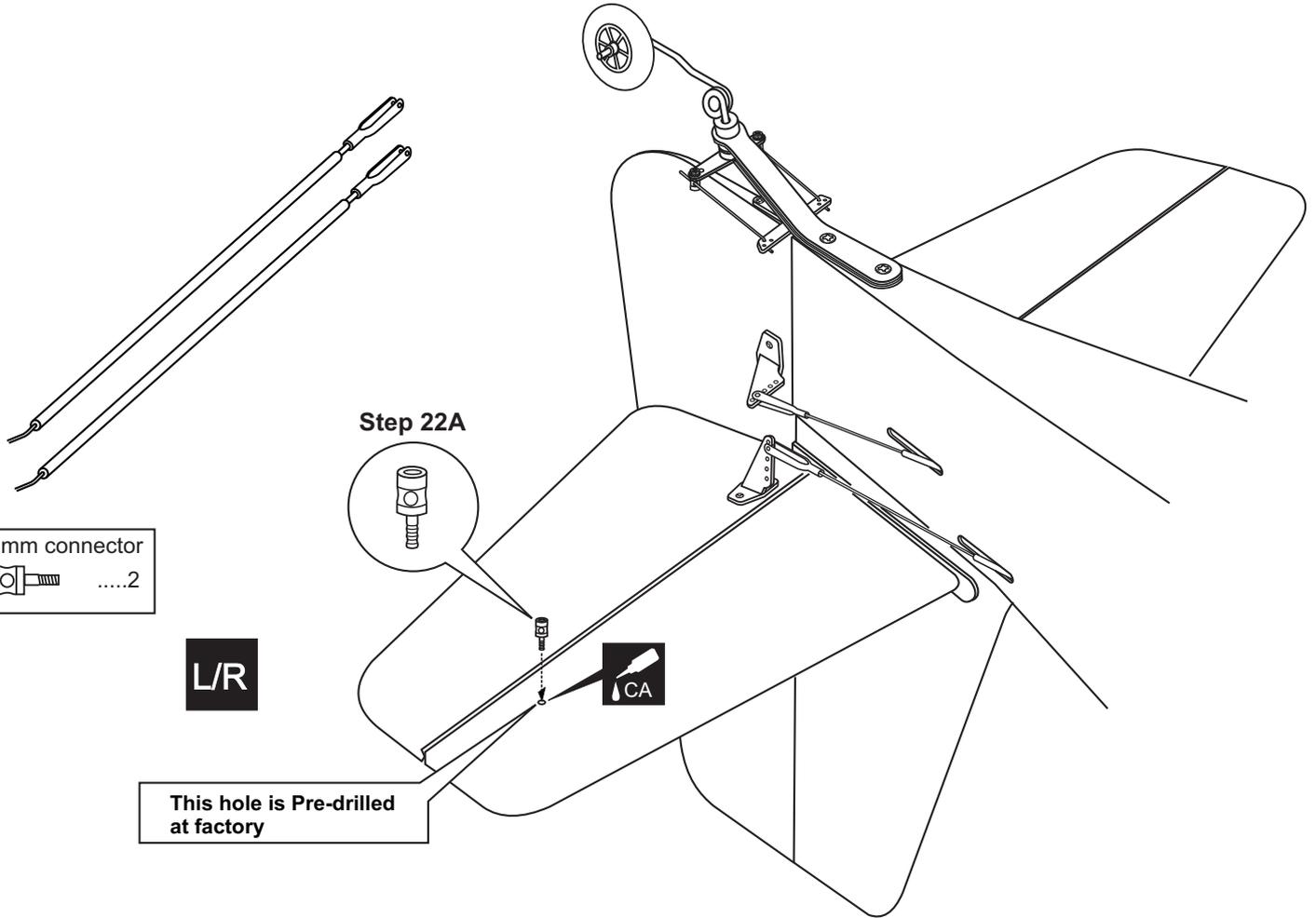


Step 21D

The four holes for the aluminum pieces installation are Pre-drilled at factory

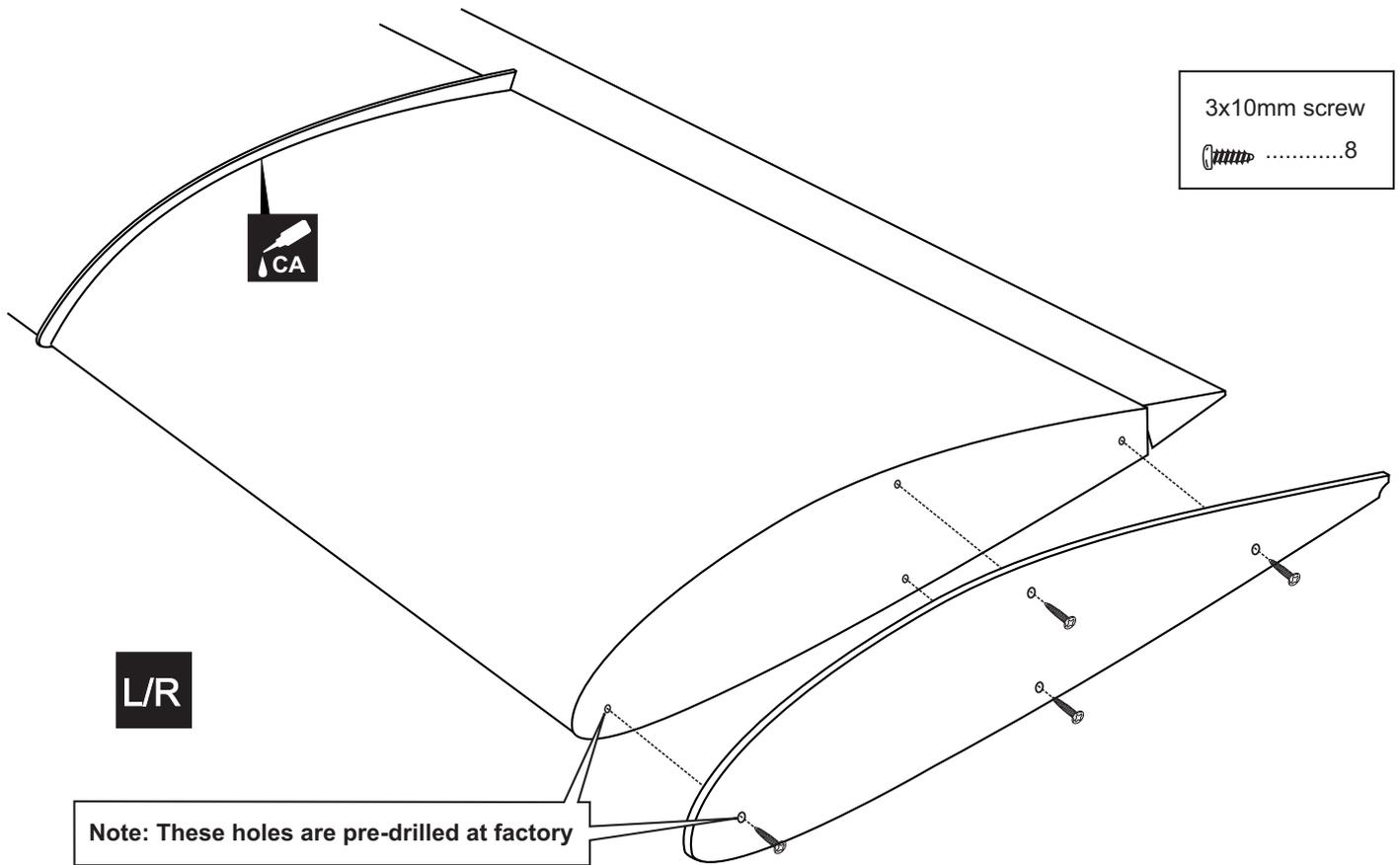


SKYFOX 22- Horizontal stabilizer brace

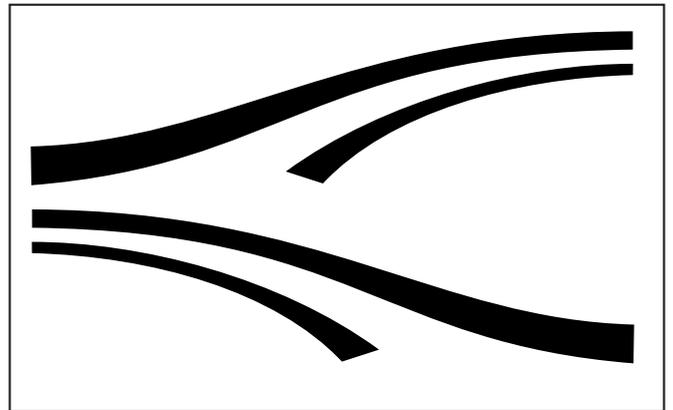
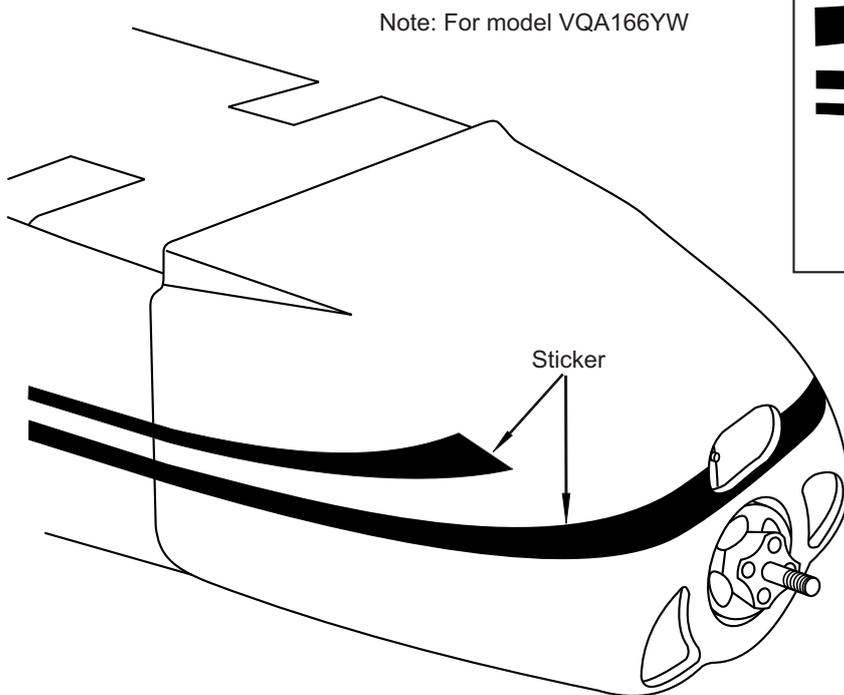


-2
- 3x12mm screw
-2

SKYFOX 23- Decor



SKYFOX 24- Sticker



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.

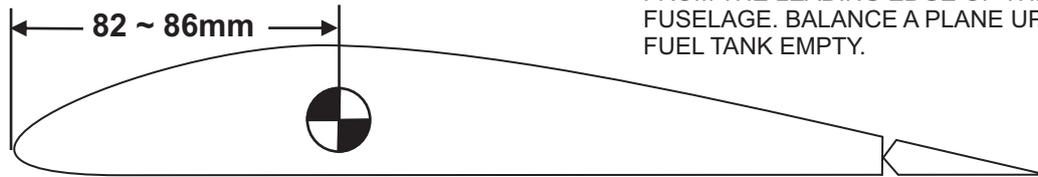
Carefully peel back the rest of the backing while at the same time adhering the rest of the sticker.

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 creases occur. Cut off the excess that is produced.

SKYFOX 25- Balance

THE CENTER OF GRAVITY IS LOCATED 82-86mm BACK FROM THE LEADING EDGE OF THE WING, AT THE FUSELAGE. BALANCE A PLANE UPSIDE DOWN WITH THE FUEL TANK EMPTY.



Do not try to fly an out-of balance model!
Überprüfen Sie vor dem Flug den Schwerpunkt.

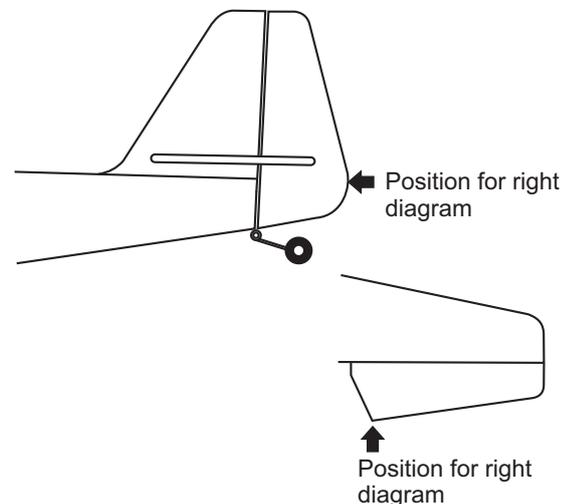
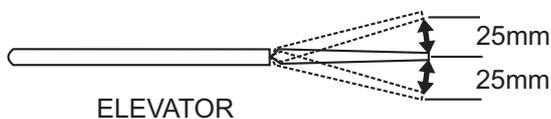
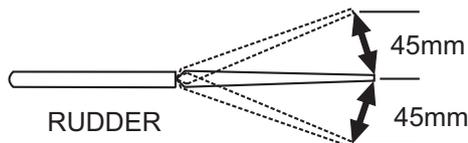
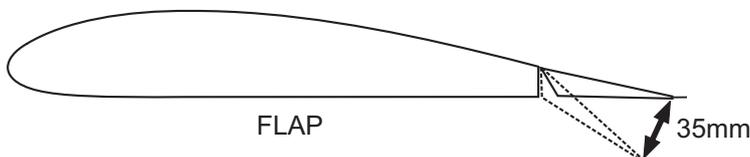
- 1- Mount the wing to the fuselage. Using a couple of pieces of masking tape, place them on the top side of the wing (82-86mm) back from the leading edge, at the fuselage sides.
- 2- Lift the airplane. Place your fingers on the masking tape and carefully lift the plane.
- 3- If the nose of the plane 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.

LATERAL BALANCE:

After you have balanced a plane on the CG, you should laterally balance it. Doing this will help the airplane track straighter.

- 1- Turn the airplane upside down. Attach one loop of heavy string to the engine crankshaft and one to the tail wheel wire. With the wing level, carefully lift the airplane by the string. This may require two people to make easier.
- 2- If one side of the wing fall, that side is heavier than the opposite. Add small amounts of lead weight to the bottom side of the lighter wing half's wing tip. Follow this procedure until the wing stays level when you lift the airplane.

SKYFOX 26- Control surface



IMPORTANT: Flying your model at these throws will provide you with the greatest chance for successful first flights. If, after you have become accustomed to the way the Skyfox flies, you would like to change the throws to suit your taste that is fine. However, too much control throw could make the model difficult to control, so remember, "more is not always better".