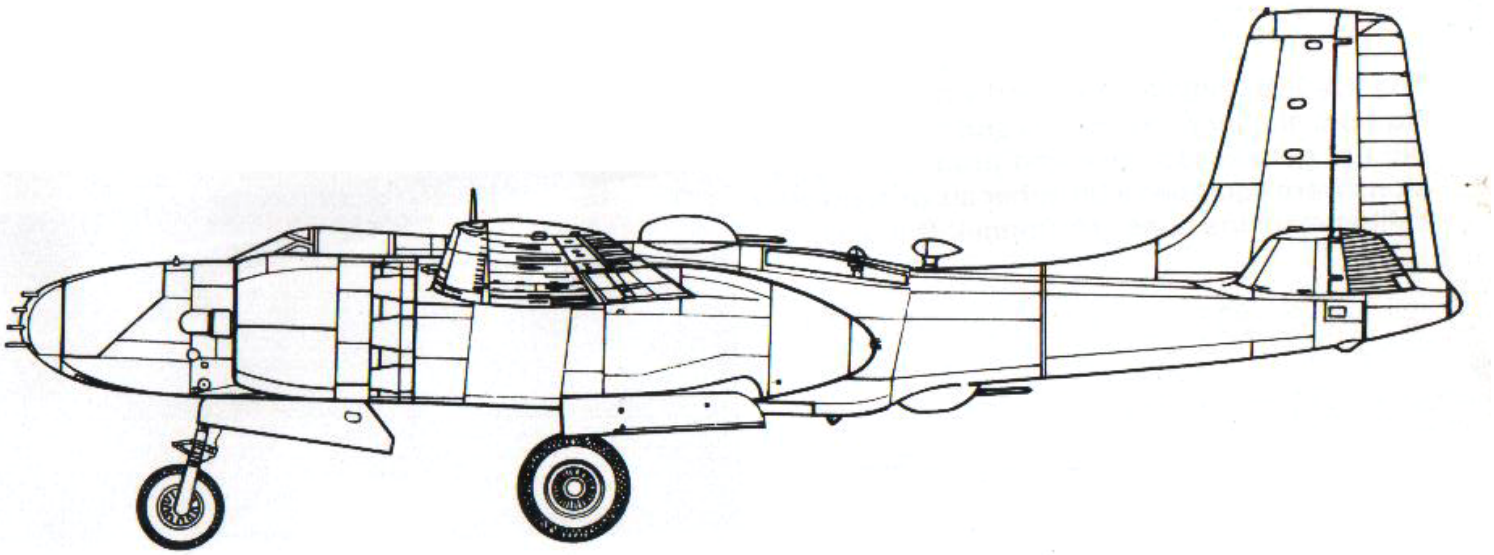
RADIO CONTROL MODEL

Semi Scale – Almost ready to fly

A-26 INVADER

WINGSPAN: 68 in.



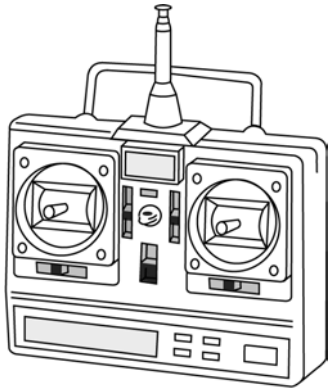
ASSEMBLY INSTRUCTION

TWIN .25 - .32 CLASS – 2 CYCLE ENGINE
TWIN .40 - .52 CLASS – 4 CYCLE ENGINE

WARNING: This radio control model is not a toy. If modify or flown carelessly, it could go out of control and cause serious bodily injury or property damage, It is your responsibility to build this kit correctly, to properly install all components and to seek the help of an experienced R/C pilot for a pre-flight safety inspection and flight test.

RADIO CONTROL MODEL ®

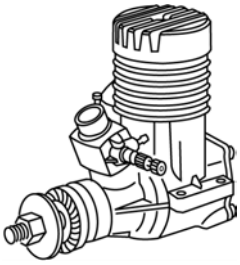
REQUIRED FOR OPERATION (Purchase separately)



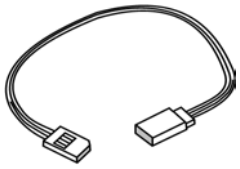
Minimum of 4 channel airplane radio (with 6 standard servos). A 5 channel radio is req. for retracts. (7 standard servo)

For 40 ~ 46 (2 cycle engine)
10.5x6 ~ 11x6

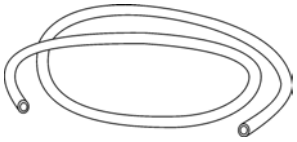
For 60 ~ 70 (4 cycle engine)
12x6 ~ 13x7



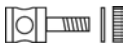
40 ~ 46 2 cycle
60 ~ 70 4 cycle



Extension for aileron servo



Silicon tube



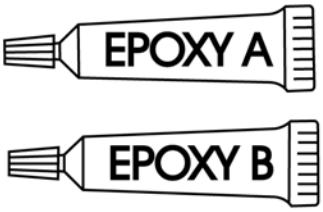
Linkage Stopper

GLUE (Purchase separately)

Cyanoacrylate Glue

Silicon Glue

Epoxy Glue (30 minutes type)

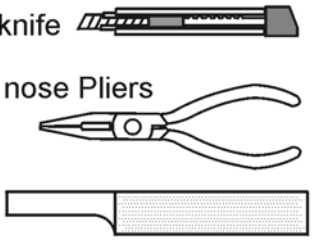


TOLLS REQUIRED (Purchase separately)

Hobby knife

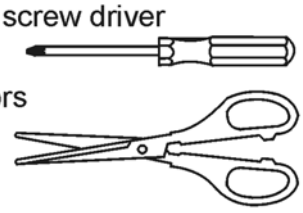
Needle nose Pliers

Sander



Phillip screw driver

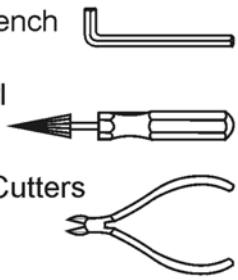
Scissors



Hex Wrench

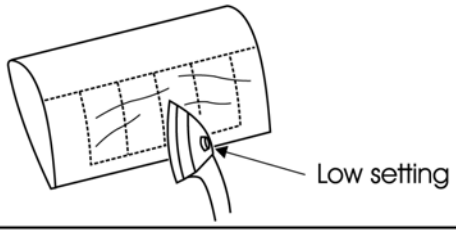
Awl

Wire Cutters



The pre-covered film on ARF kit may wrinkle due to variations of temperature. Smooth out as explained right.

* Use an iron or head gun. Start as low setting. Increase the setting if necsessary. If it is too high, you may damage the film



1.5mm Drill holes with the specified diameter (here: 1.5mm).

Pay close attention here.

Cut of shaded portion

Ensure smooth non-binding movement while assembling

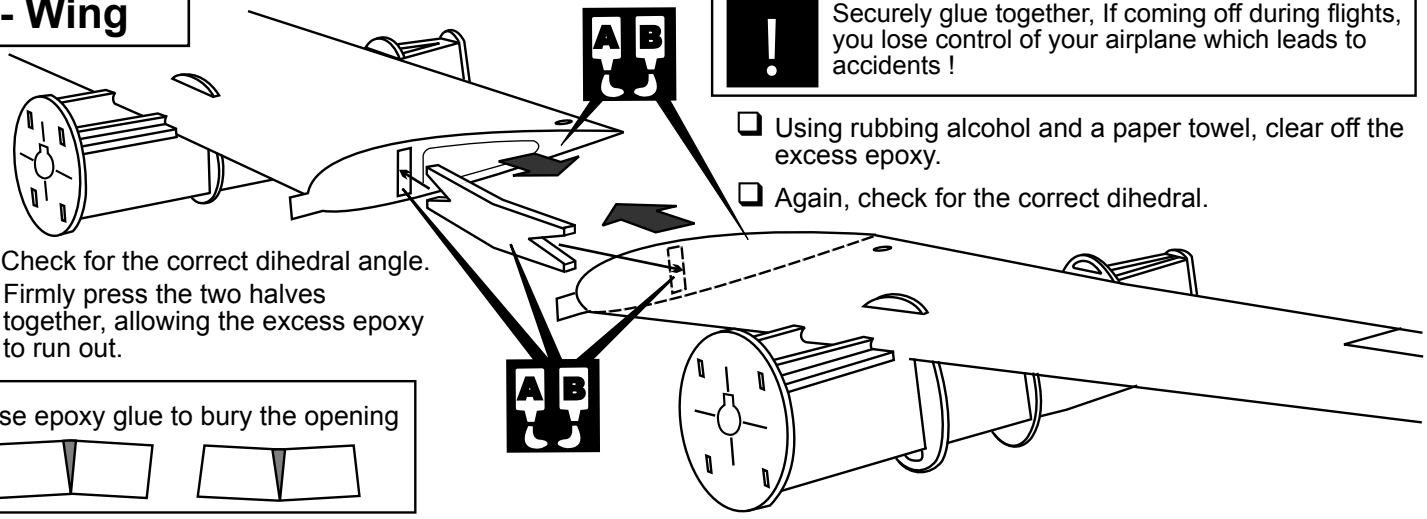
A B Apply epoxy glue

CA Apply instant glue (CA glue, super glue).

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

X Must be purchased separately.

1- Wing



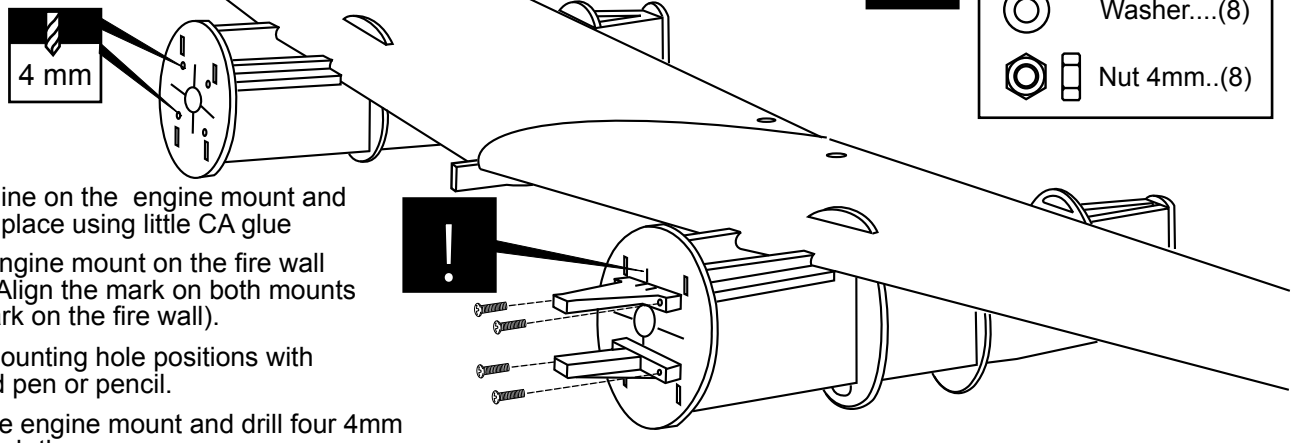
! Securely glue together, If coming off during flights, you lose control of your airplane which leads to accidents !

- ❑ Using rubbing alcohol and a paper towel, clear off the excess epoxy.
- ❑ Again, check for the correct dihedral.
- ❑ Check for the correct dihedral angle.
- ❑ Firmly press the two halves together, allowing the excess epoxy to run out.

Use epoxy glue to bury the opening

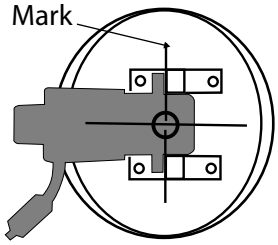
2- Engine mount

Engine thrust on balk head is already adjust at factory !



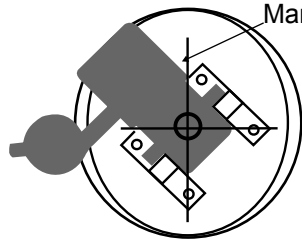
- 4x25...(8)
- Washer....(8)
- Nut 4mm..(8)

- ❑ Set the engine on the engine mount and secure it in place using little CA glue
- ❑ Apply the engine mount on the fire wall as shown (Align the mark on both mounts with the mark on the fire wall).
- ❑ Mark the mounting hole positions with a felt tipped pen or pencil.
- ❑ Remove the engine mount and drill four 4mm holes through the fire wall as shown.
- ❑ Remove the engine out of the engine mount, then secure the engine mount to the fire wall with four 4x25mm screw.



Trim the cowl so that your muffler doesn't touch or use silencer extension adaptor

In case of 4-cycle engine

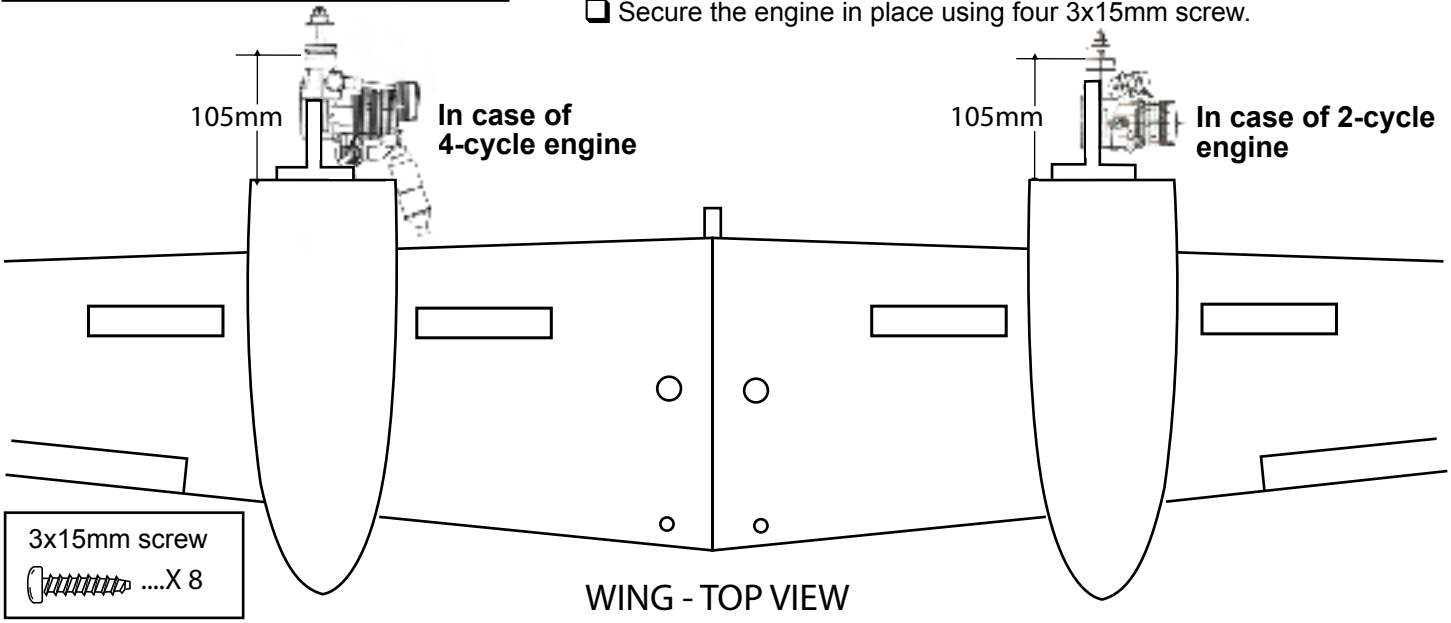


Turn the engine so that your muffler doesn't touch the fire-wall or use silencer extension adaptor

In case of 2-cycle engine

3- Installing the engine

- ❑ Position the engine on the engine mount so the distance from the prop hub to the fire wall is 105mm.
- ❑ Secure the engine in place using four 3x15mm screw.



In case of 4-cycle engine

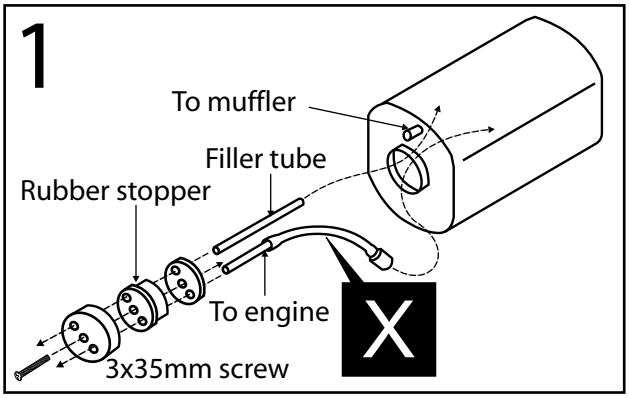
In case of 2-cycle engine

3x15mm screw ....X 8

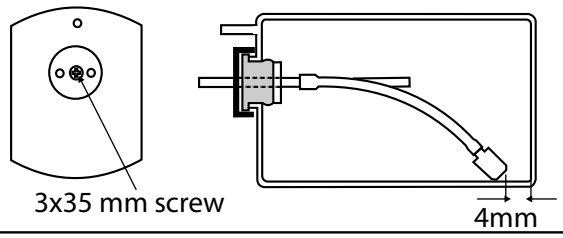
WING - TOP VIEW

4-Fuel tank

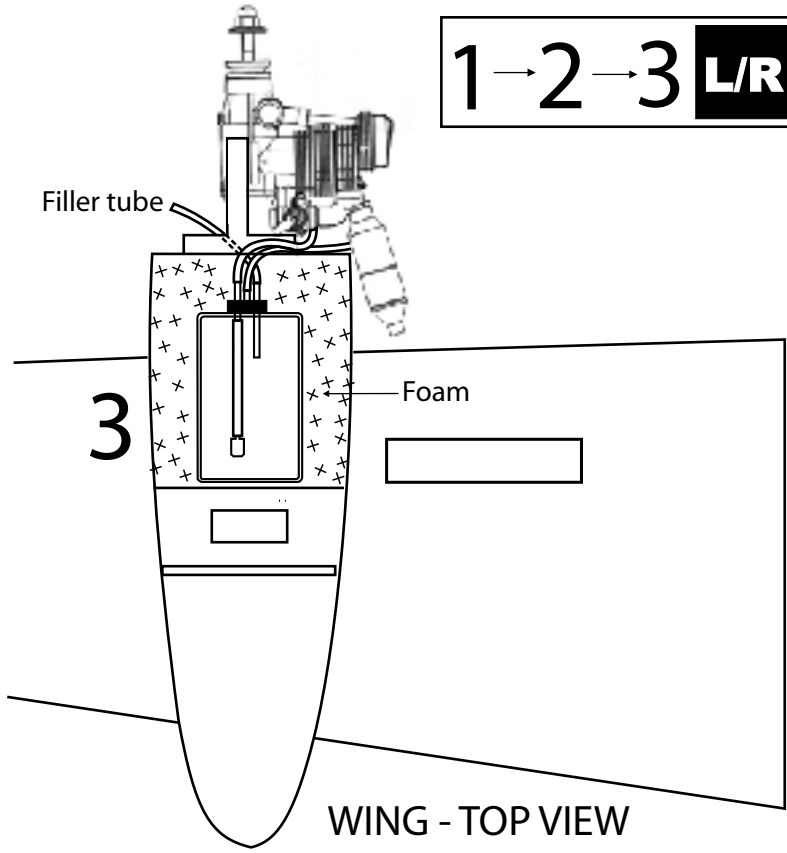
1



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



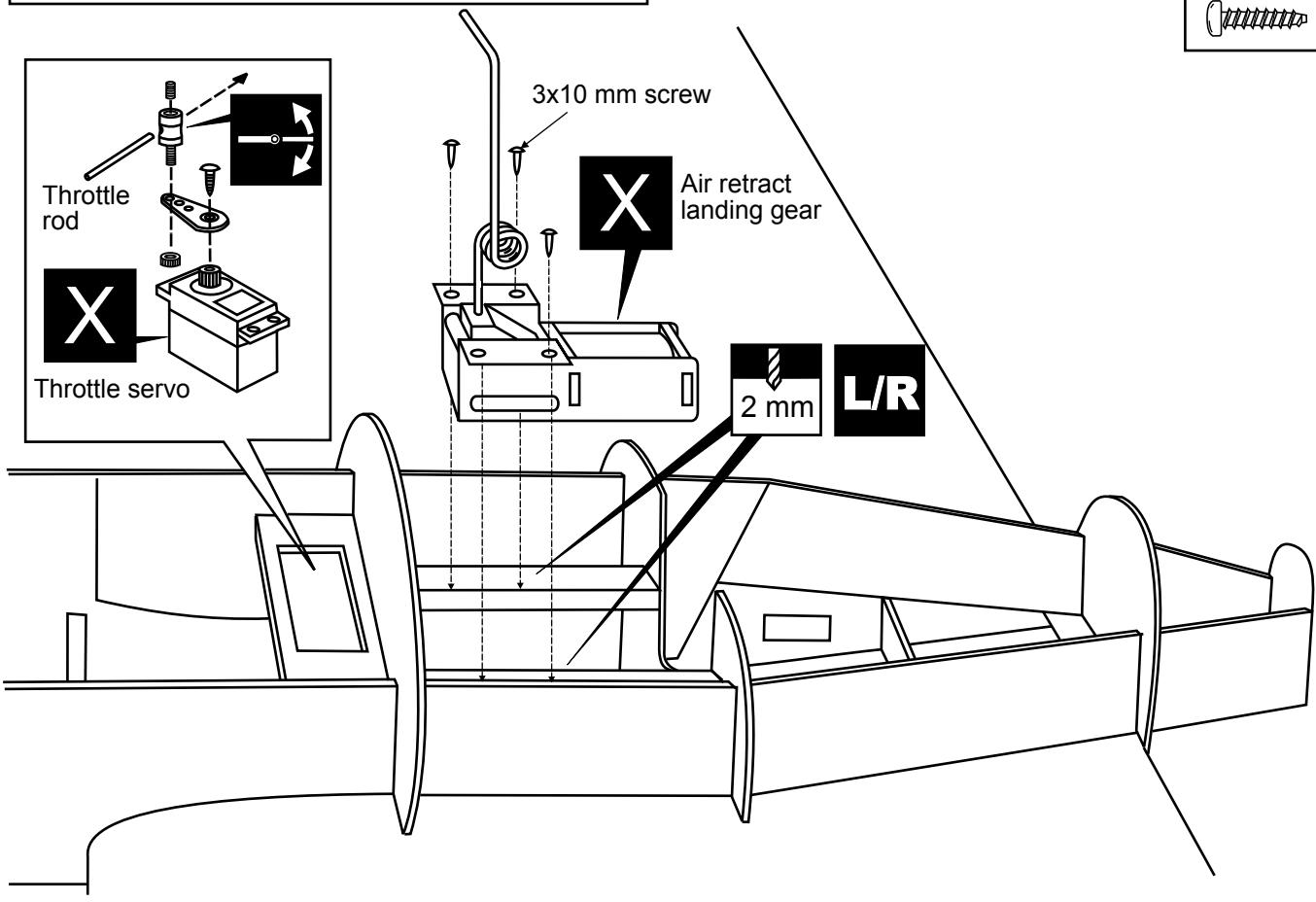
1→2→3 L/R



5-Retract - Throttle servo

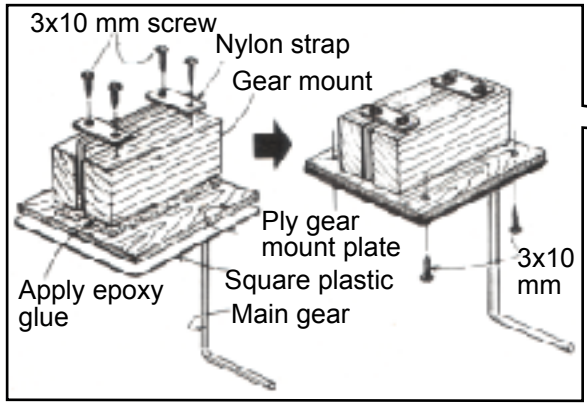
WING - BOTTOM VIEW

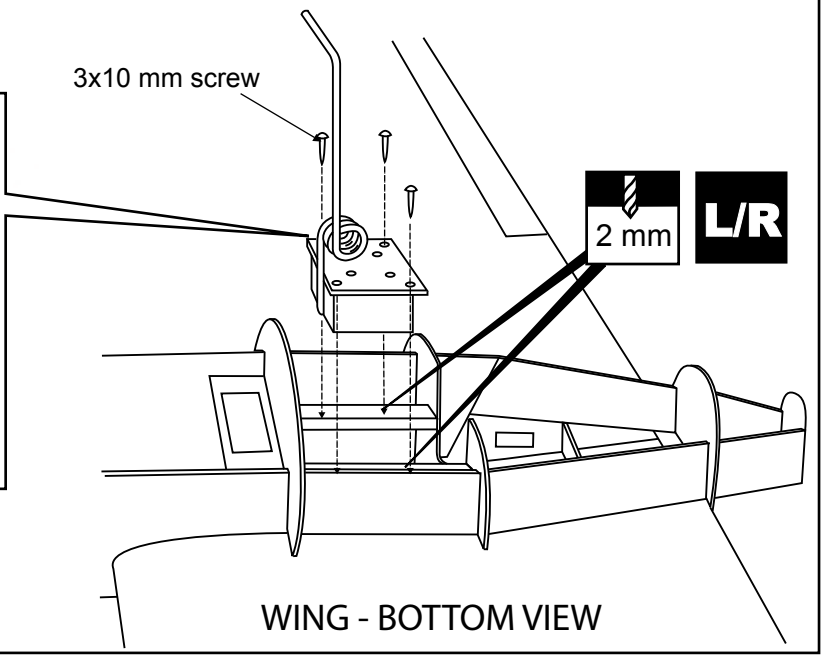
3x10mm screw ....X 8



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
A B Use epoxy glue	CA Apply cyano glue	L/R Assemble left and right sides the same way.	X Not included. These parts must be purchased separately

6- Fix gear

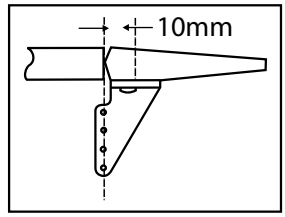




WING - BOTTOM VIEW

3x10mm screw ....X 8

7- Aileron servo



Plastic control horn 2

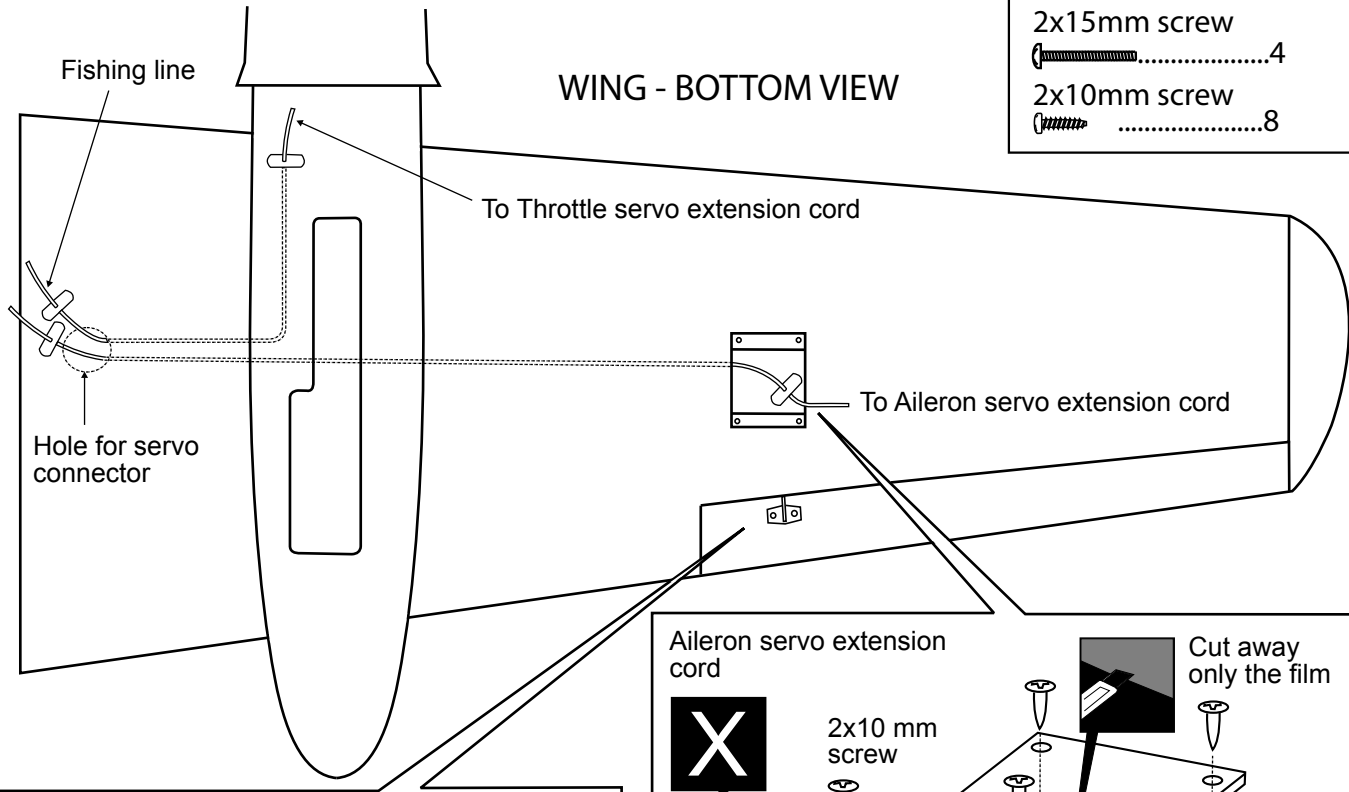
.....2

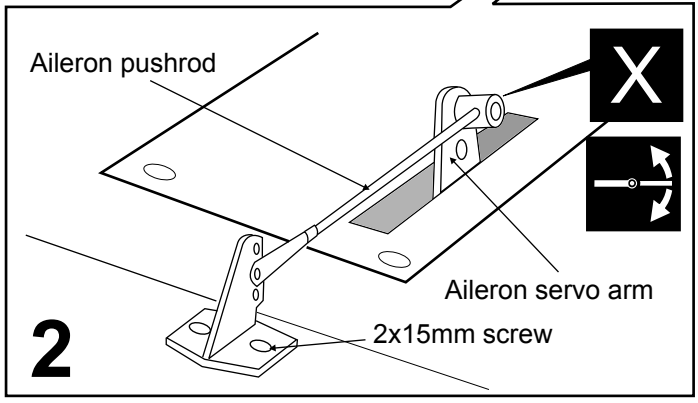
2x15mm screw 4

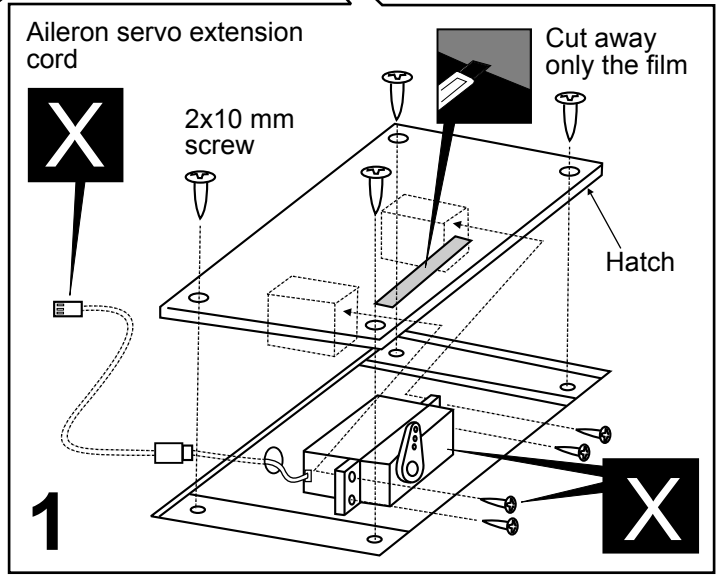
2x10mm screw 8

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

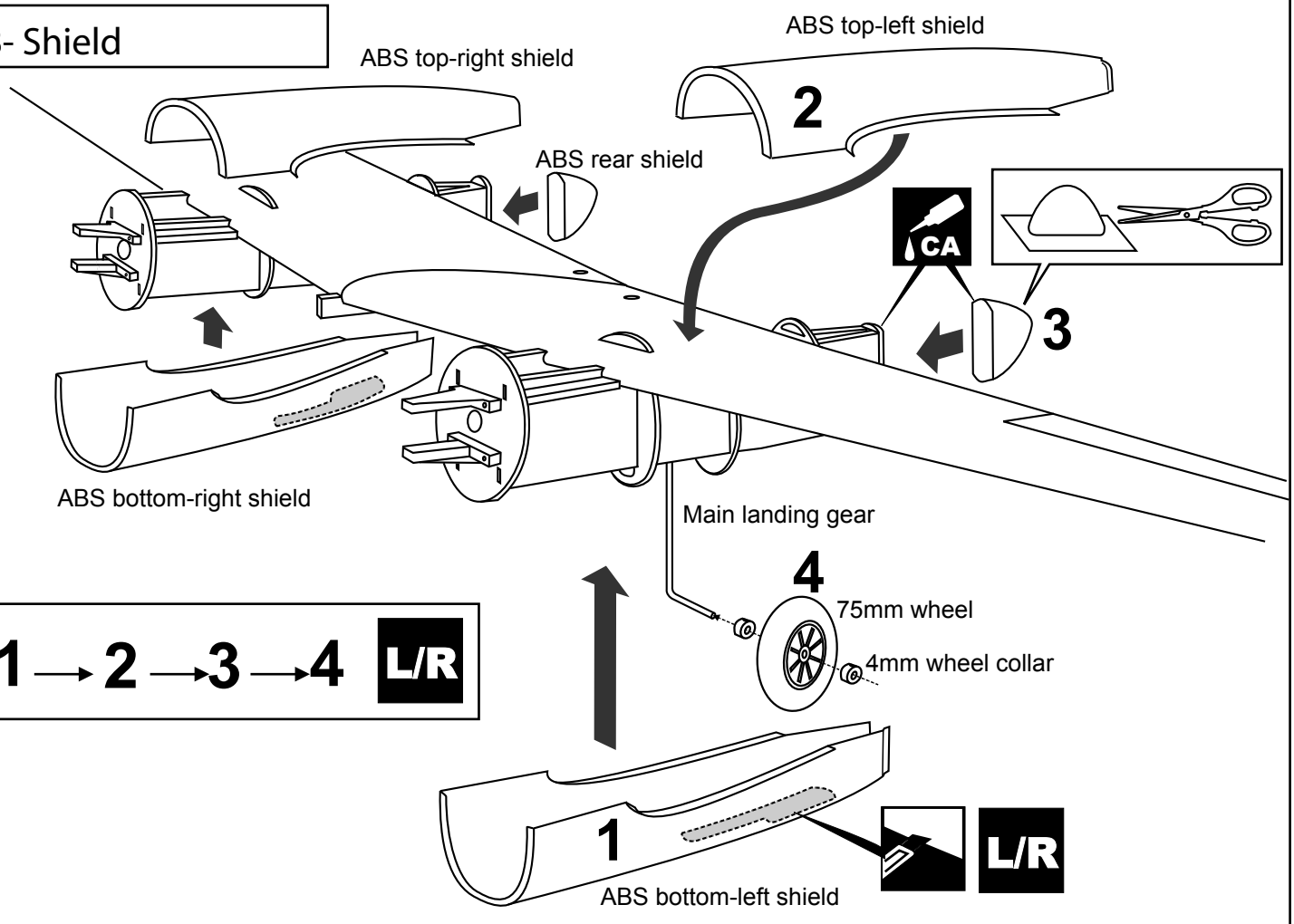
WING - BOTTOM VIEW



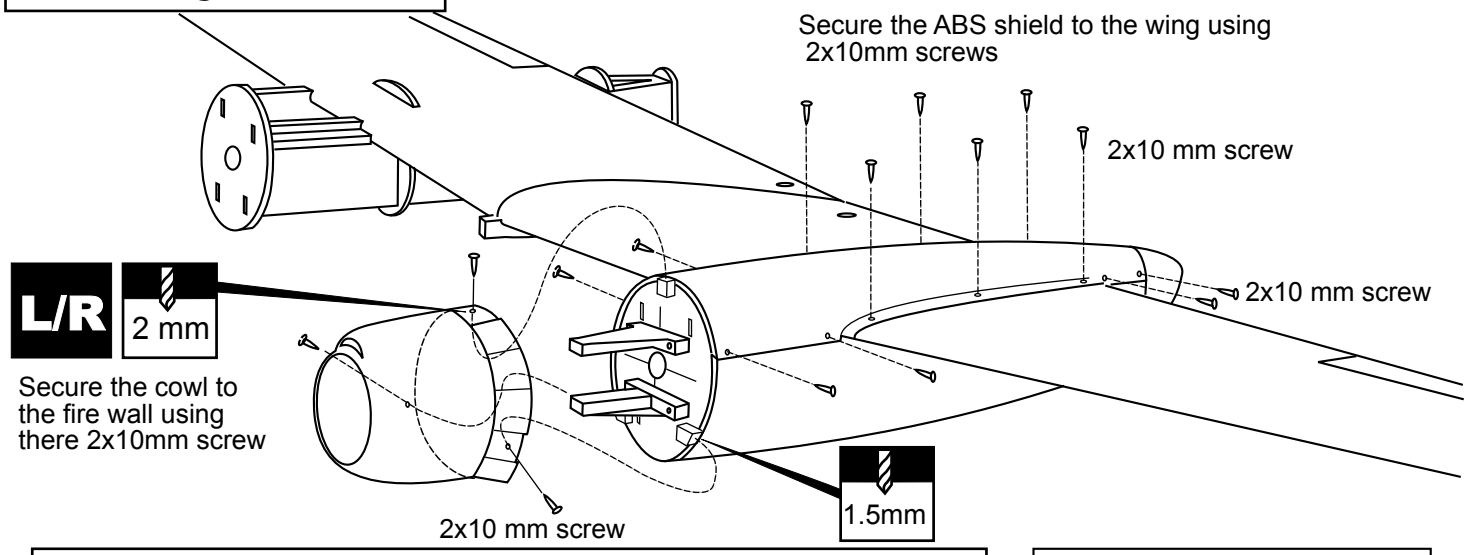


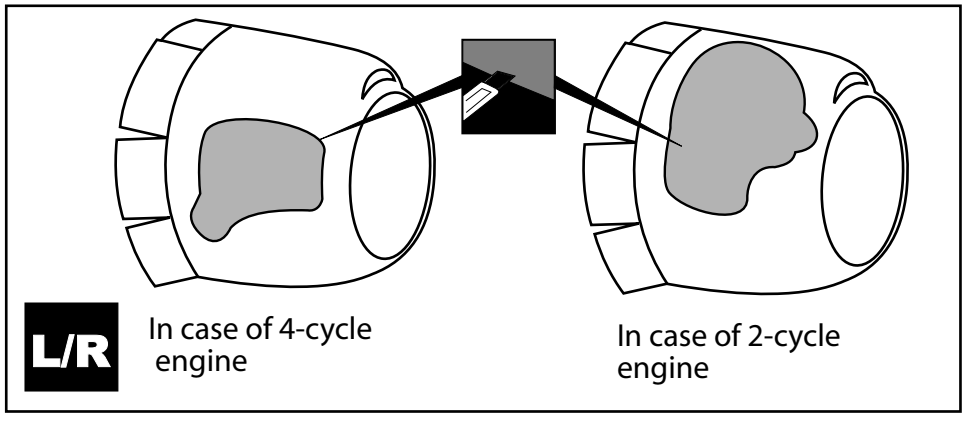


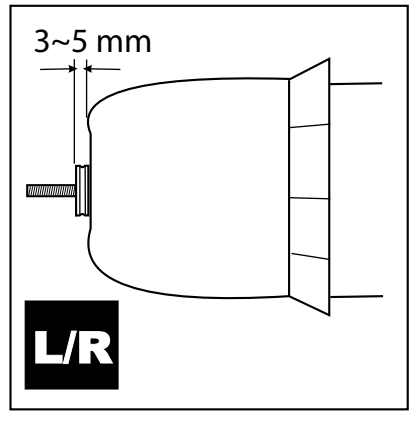
8- Shield



9- Cowling - Shield



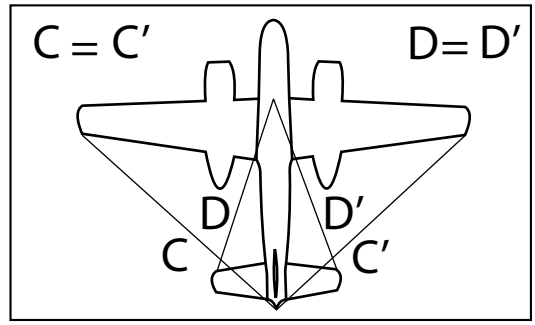


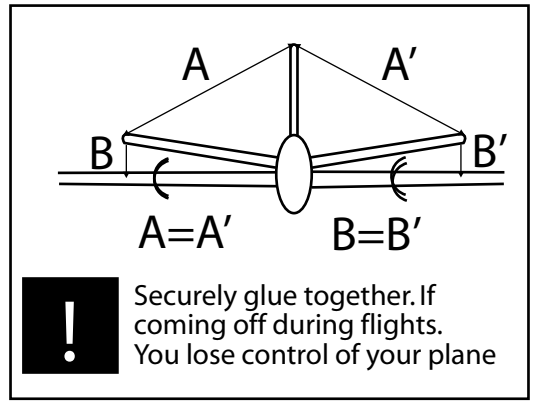


10- Stabilizers

- ❒ 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.

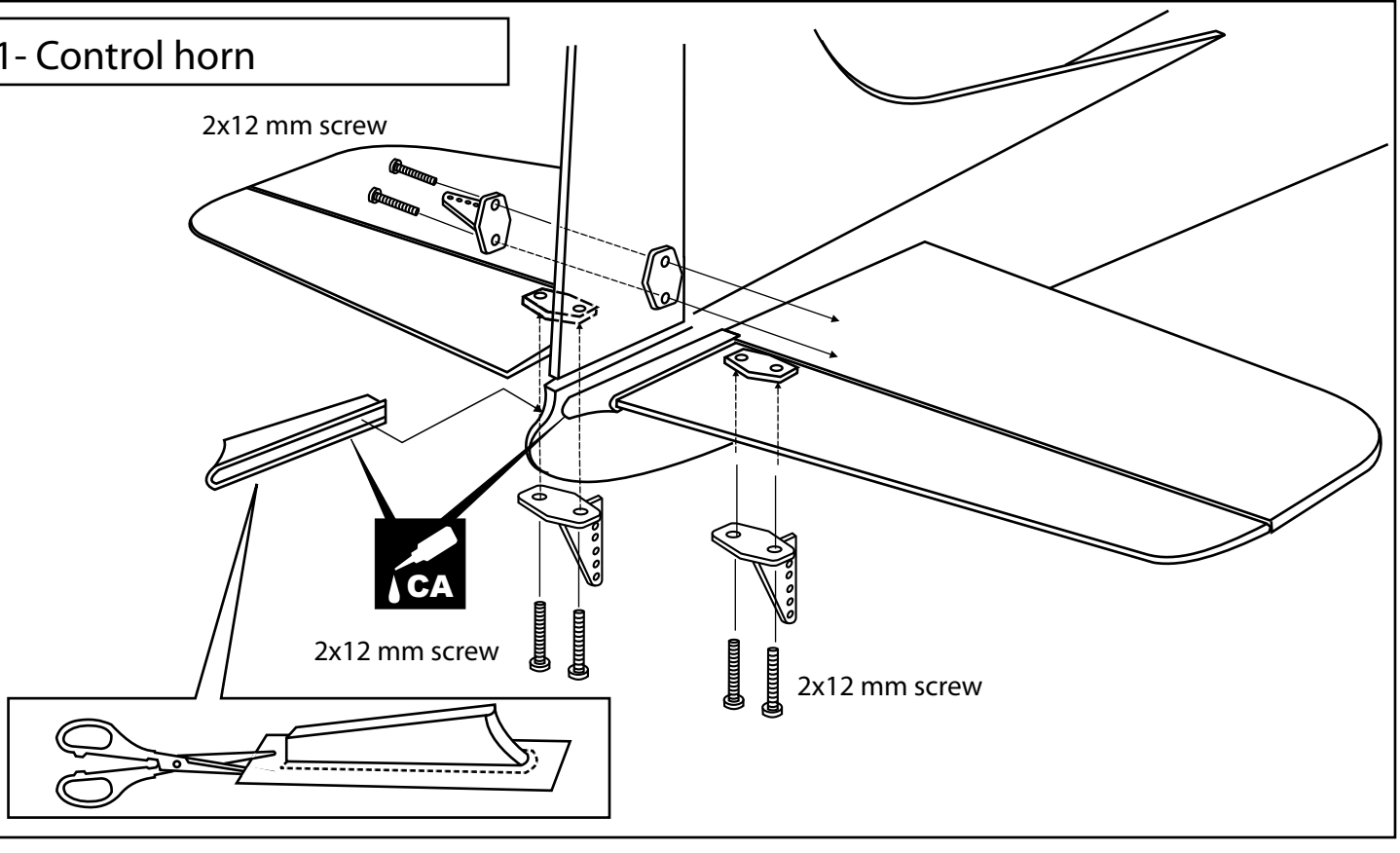
❒ Check for the correct dihedral angle



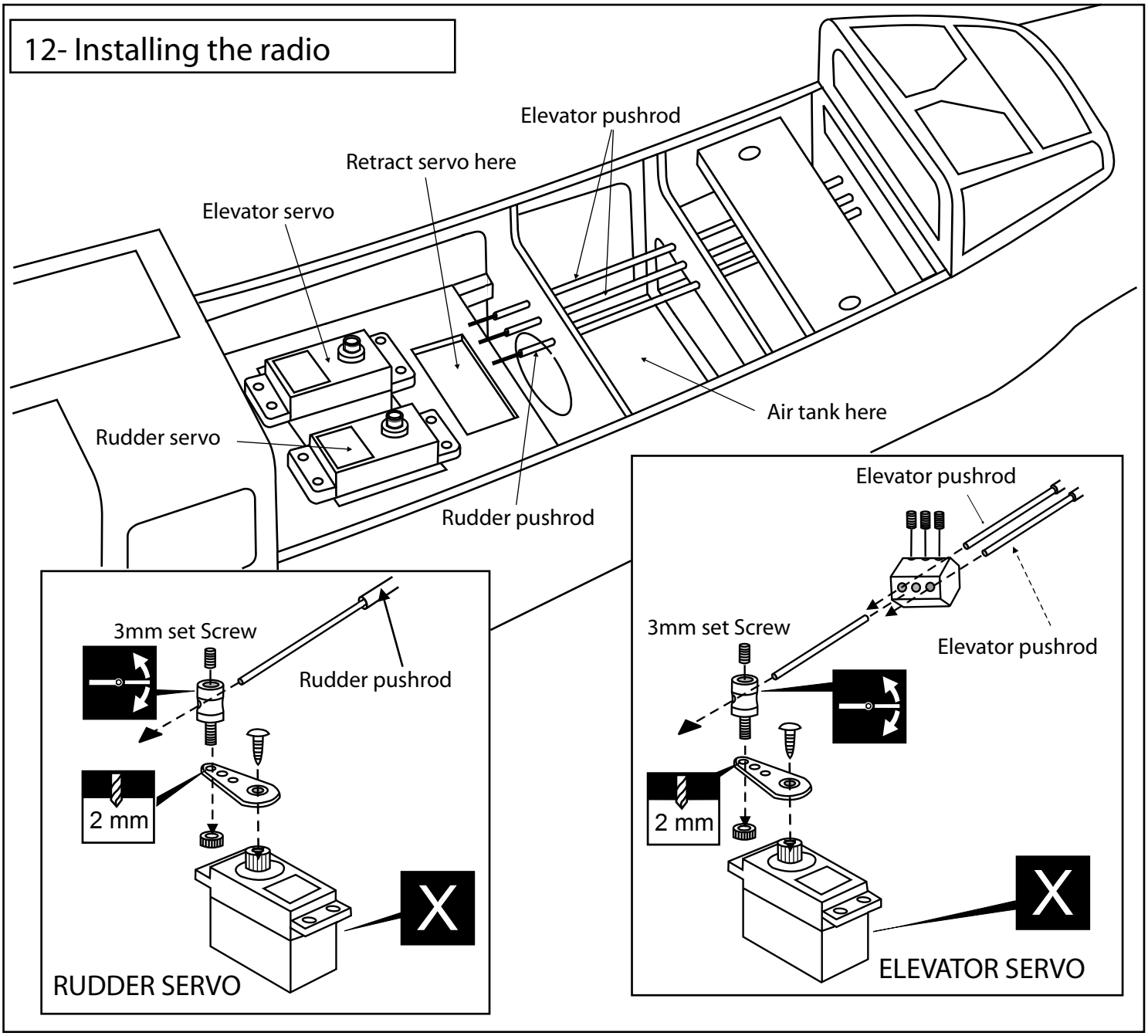


! Securely glue together. If coming off during flights. You lose control of your plane

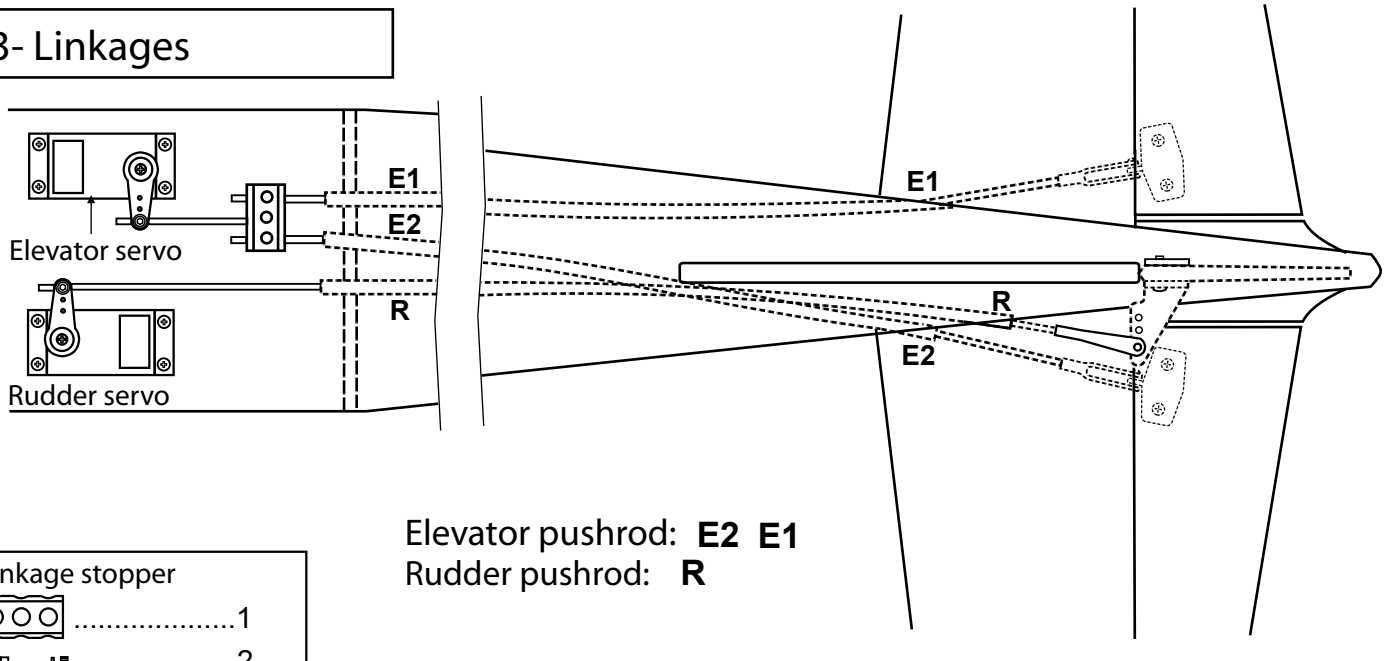
11- Control horn



12- Installing the radio



13- Linkages



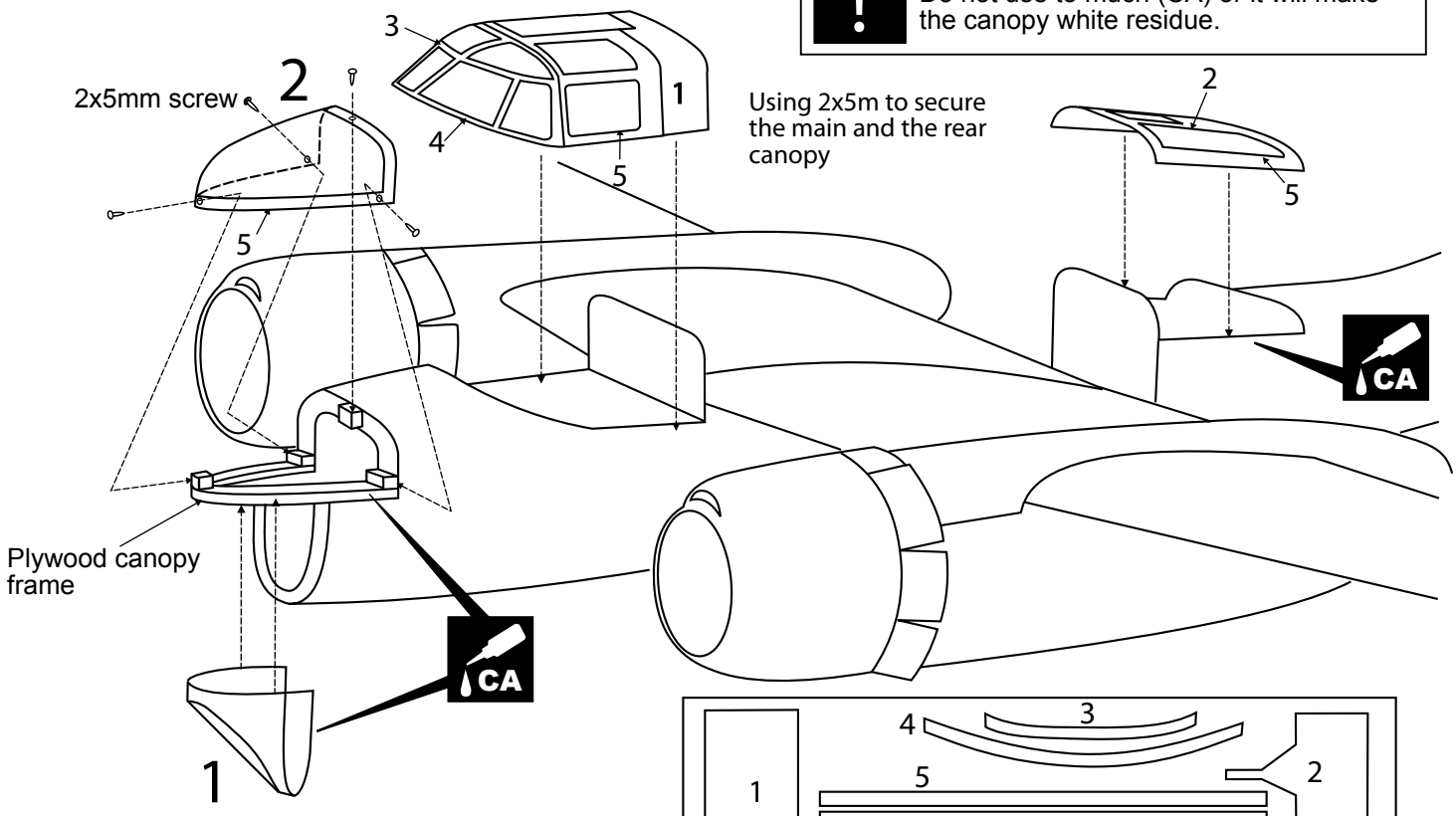
Elevator pushrod: **E2 E1**
Rudder pushrod: **R**

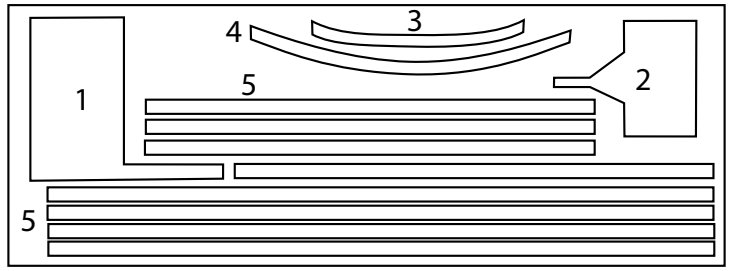
Linkage stopper
.....1
.....2
3x4mm set crew
.....5

FUSELAGE - TOP VIEW

14-canopy

If using CA to secure the canopy in place Do not use to much (CA) or it will make the canopy white residue.





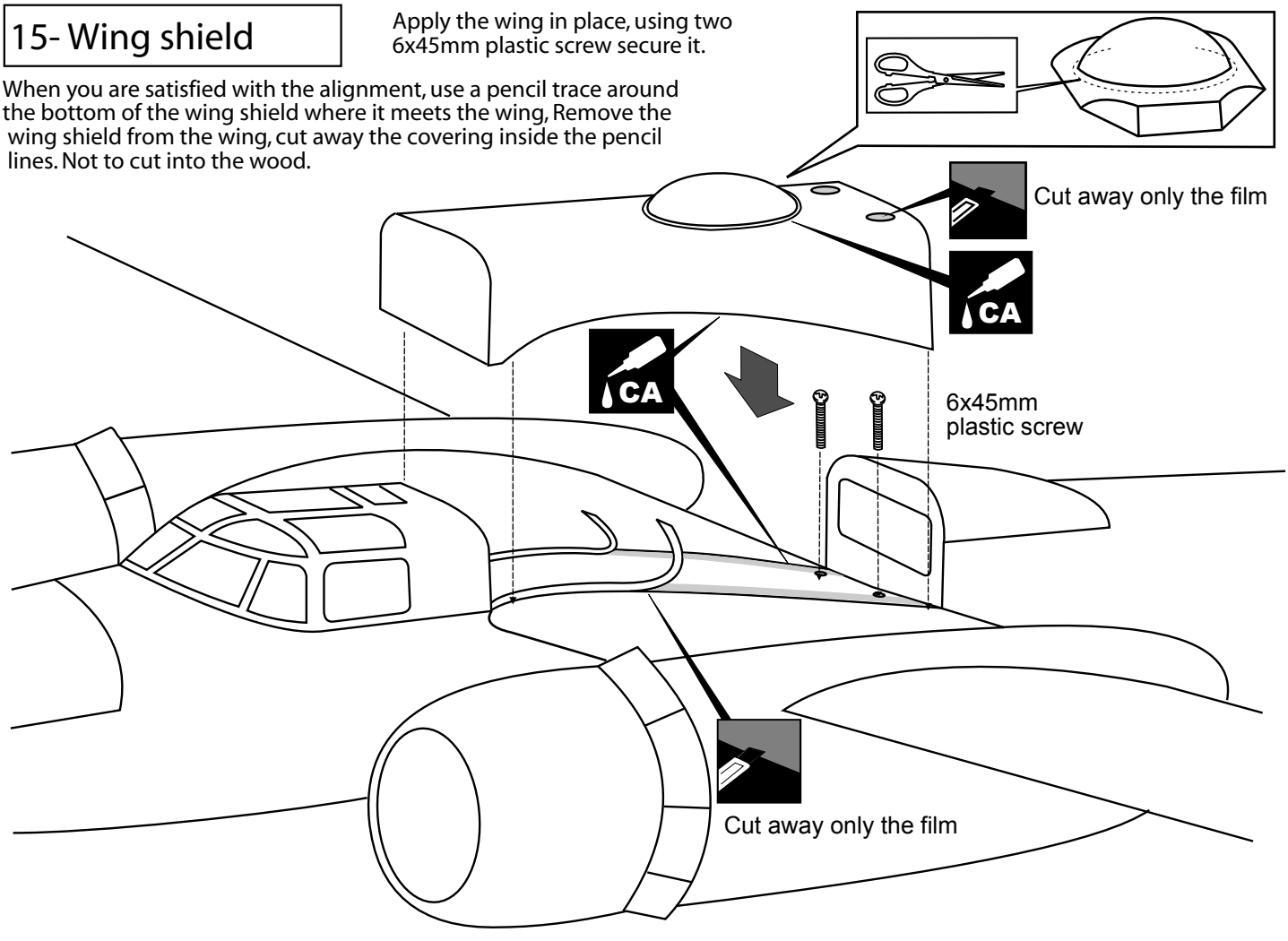
1 → 2

Apply the canopy frame stickers It is easy to put them on according with the numbers.

15- Wing shield

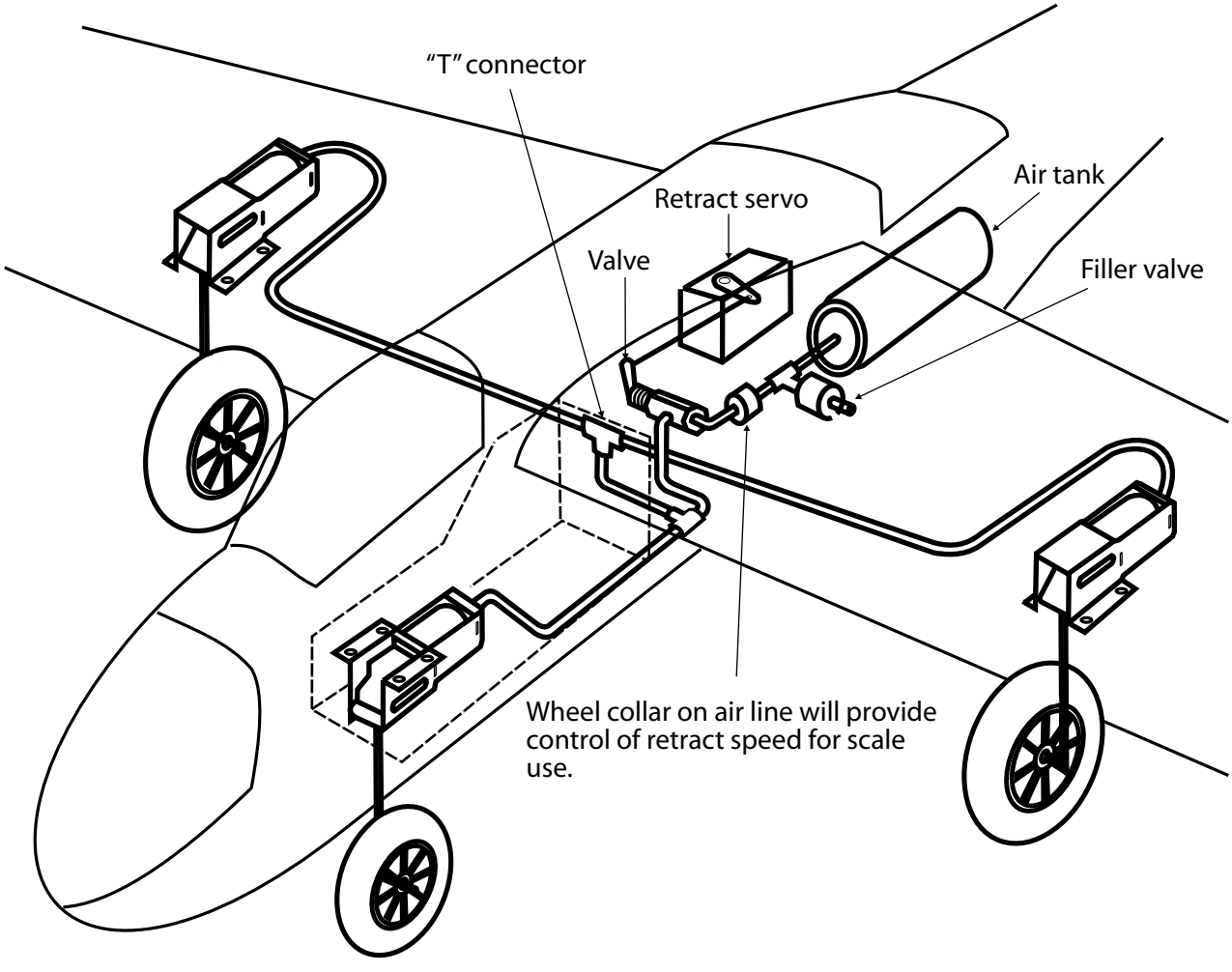
Apply the wing in place, using two 6x45mm plastic screw secure it.

When you are satisfied with the alignment, use a pencil trace around the bottom of the wing shield where it meets the wing, Remove the wing shield from the wing, cut away the covering inside the pencil lines. Not to cut into the wood.



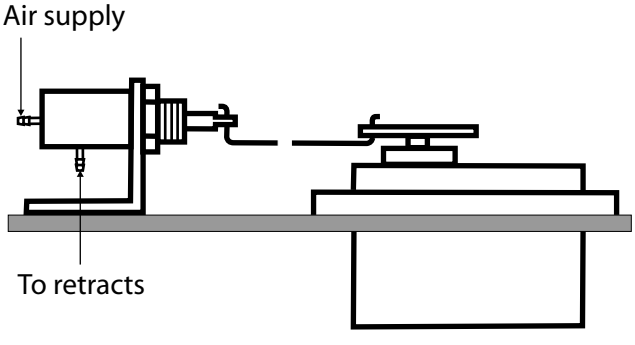
16- Air Retract landing

X AIR RETRACT SYSTEM NOT INCLUDE

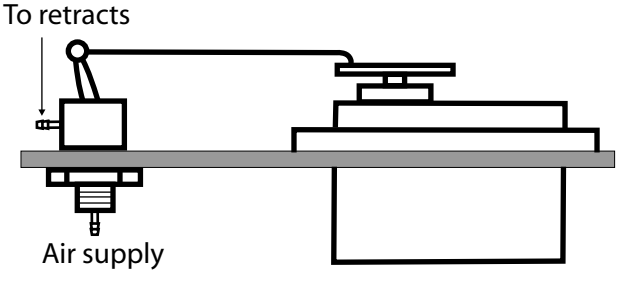


TYPICAL INSTALLATION

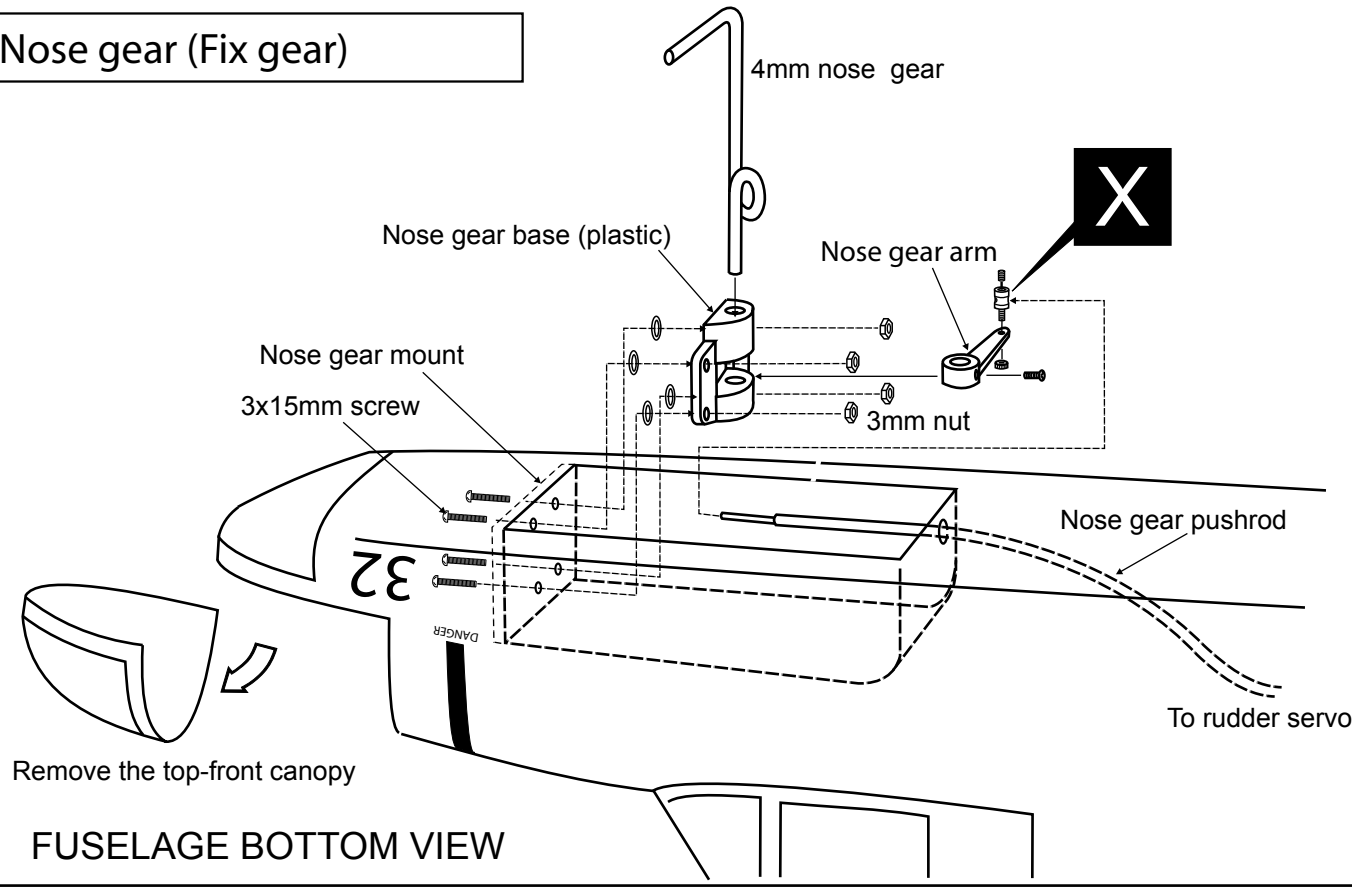
CONTROL VALVE CAN BE INSTALLED AS SHOWN



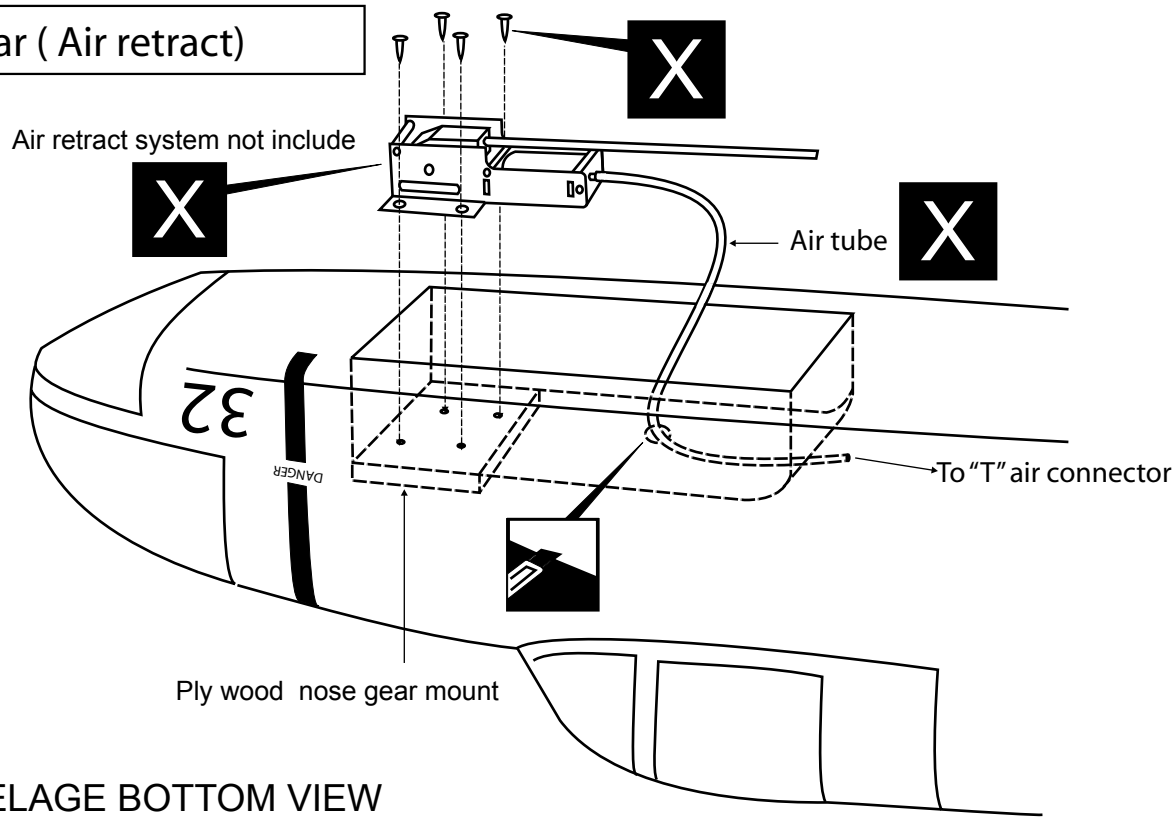
CONTROL VALVE CAN BE INSTALLED AS SHOWN



17- Nose gear (Fix gear)

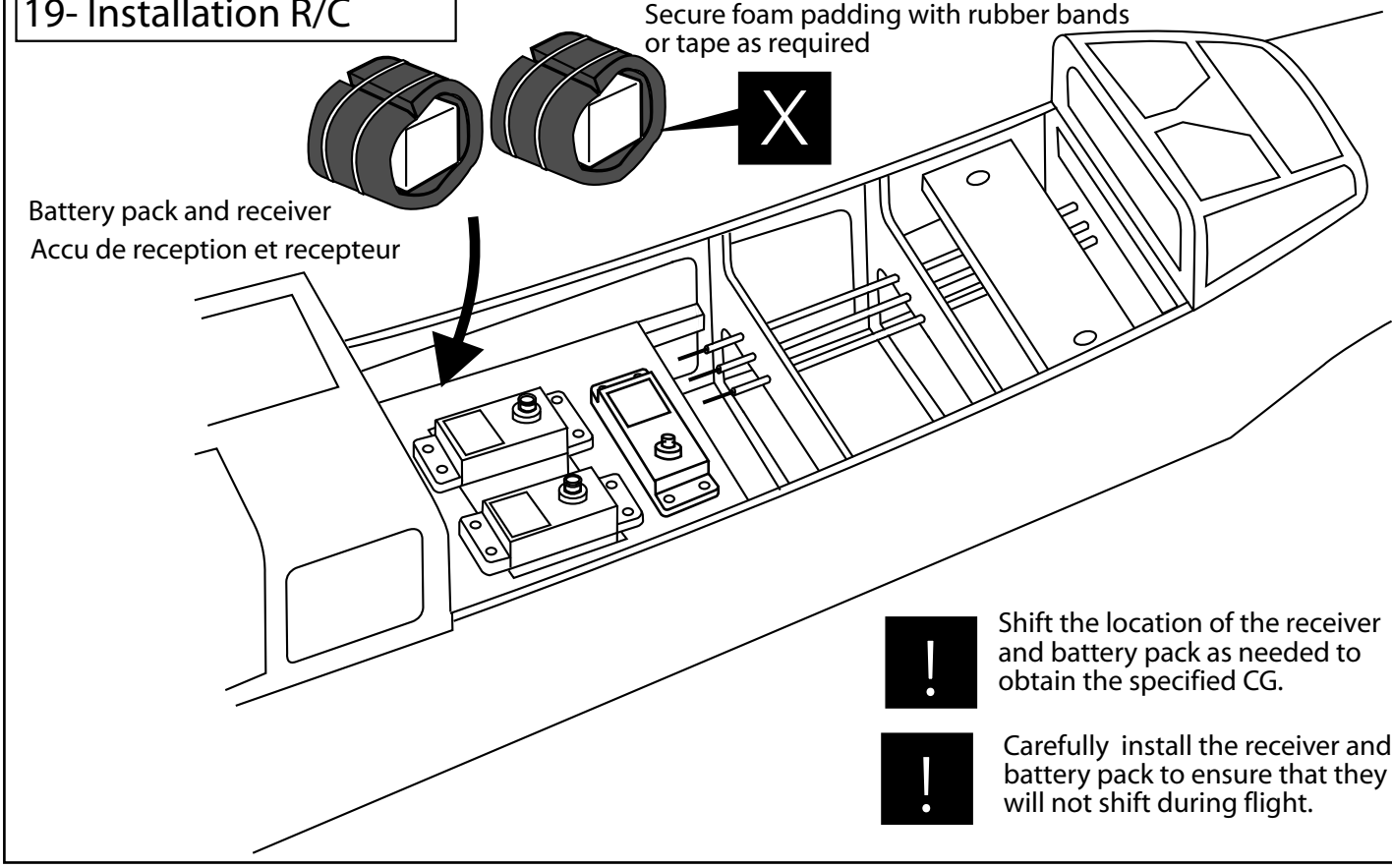


18-Nose gear (Air retract)



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

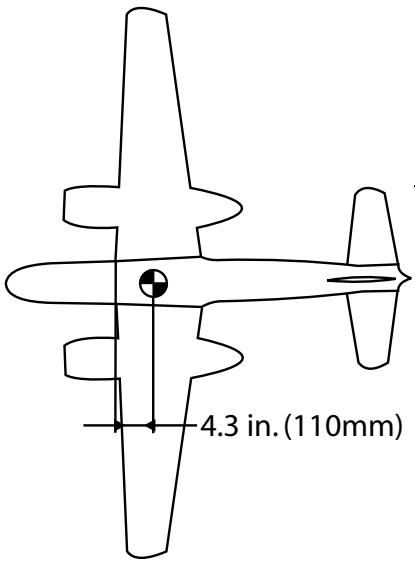
19- Installation R/C

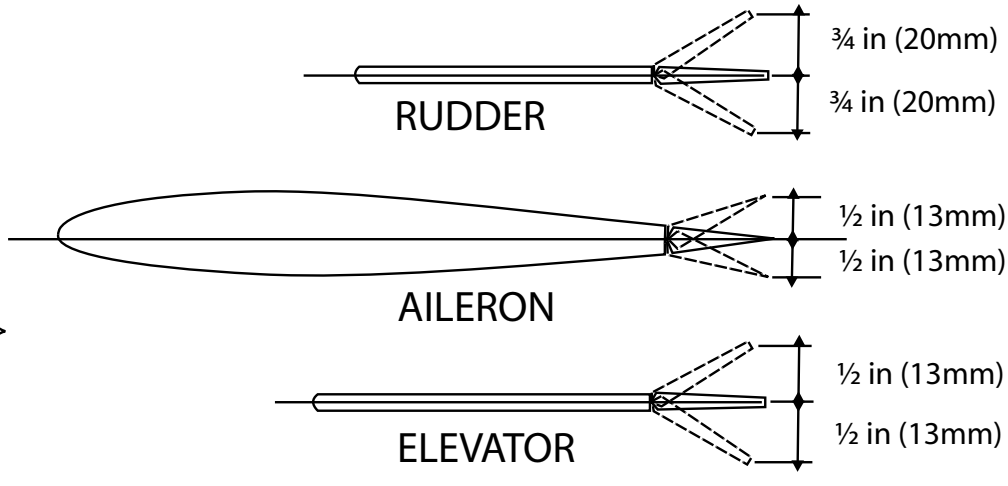


! Shift the location of the receiver and battery pack as needed to obtain the specified CG.

! Carefully install the receiver and battery pack to ensure that they will not shift during flight.

20- Balance





! Never fly before checking the CG s required position

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
A B Use epoxy glue	CA Apply cyano glue	L/R Assemble left and right sides the same way.	X Not included. These parts must be purchased separately