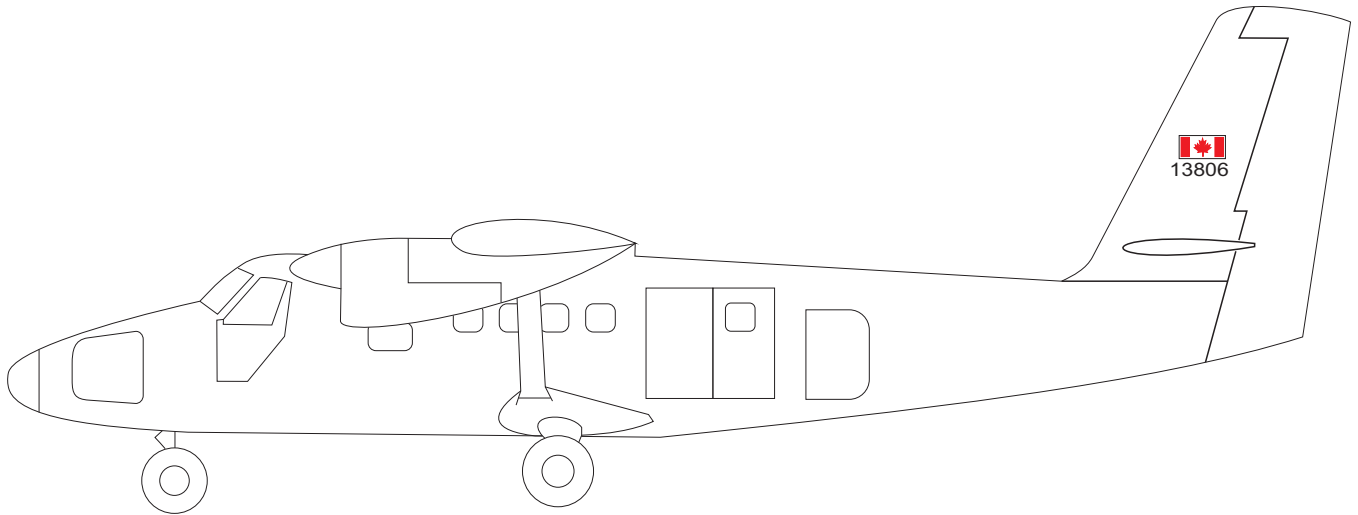


DHC6 TWIN OTTER

Before beginning assembly, please read these instructions thoroughly.

WINGSPAN: 1580mm (62")

EP
version



INSTRUCTION MANUAL

ARTF
ALMOST-READY-TO-FLY



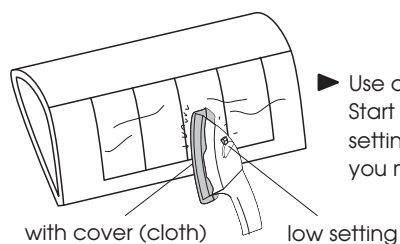
UNDER SAFETY PRECAUTIONS

This radio control model is not a toy!

- It is highly recommended that first-time builders seek advice of experienced modelers before beginning assembly.
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assemble.
- Taking out liability insurance is recommended.

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

The pre-covered film on ARF kits may wrinkle due to variations of temprature. Smooth out as explained at right.



ITEM REQUIRED FOR OPERATION (Not included in kit!)



CAUTION : For details concerning the equipment listed below (size, make, etc.) check with your hobby shop.

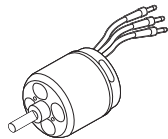
EP version

1 Radio Set

A minimum 4 channel radio for airplanes (with 5 standard servos), and nicad or alkaline batteries are required.

4-channel (minimum) radio system for aircraft 4 servos (standard servos). Please be sure to use servos with enough torque (3.0 - cm minimum).

■ Y-Harness 2pcs

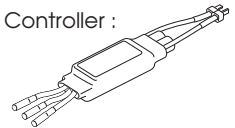


■ Suitable Outer Rotor Motor.

■ Use outer rotor motor power between 250~400w

Motor : KV / 600~900

■ Electronic Speed Controller : More than 25A

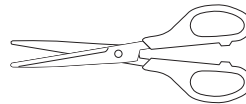


TOOLS REQUIRED (Purchase separately!)

■ File



■ Scissors



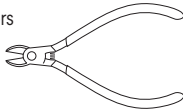
■ Phillips screwdrivers (size: L, M, S)



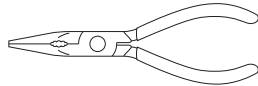
■ Shap Hobby Knife



■ Cutters Pliers



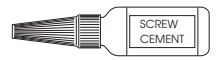
■ Long Nose Pliers



■ Hex Wrench (2, 2.5, 3mm)



■ Thread locker Cement



■ Drill,Bits (2,3,4,6mm)



■ Epoxy Glue

BEFORE YOU BEGIN

accepts no responsibility for accidents, damage or breakage if other manufacturers parts are used.

1

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

2

Check all parts. If you find any defective or missing part, contact your local dealer or our VMARSHOP.

3

Symbols used throughout this instruction manual, comprise:



Pay attention here!



Ensure smooth, non-binding movement when assembling.



Cut off excess.



Apply threadlocker (screw cement).



Drill holes with the specified diametre.



Must be purchased separately!



Apply 5Minte Epoxy



Assemble in the specified order.



Assemble left and right sides the same way.



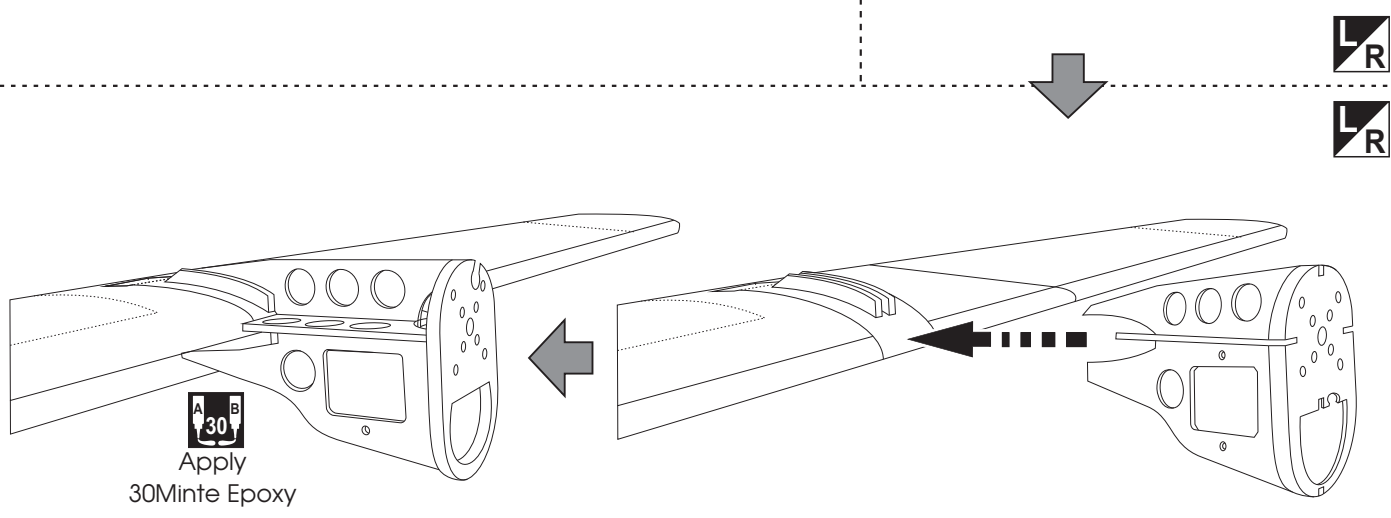
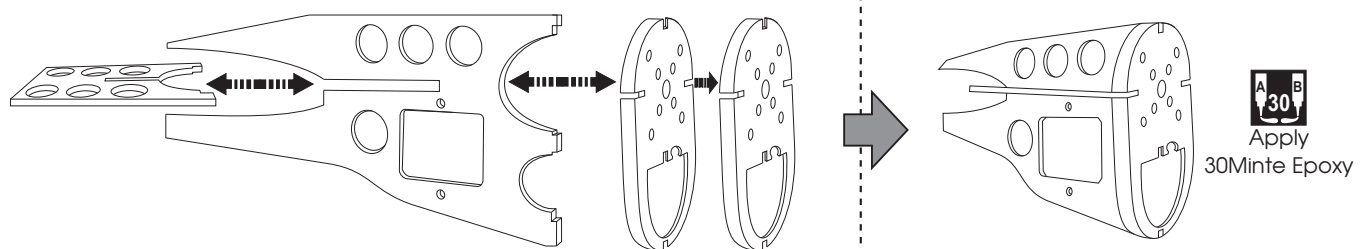
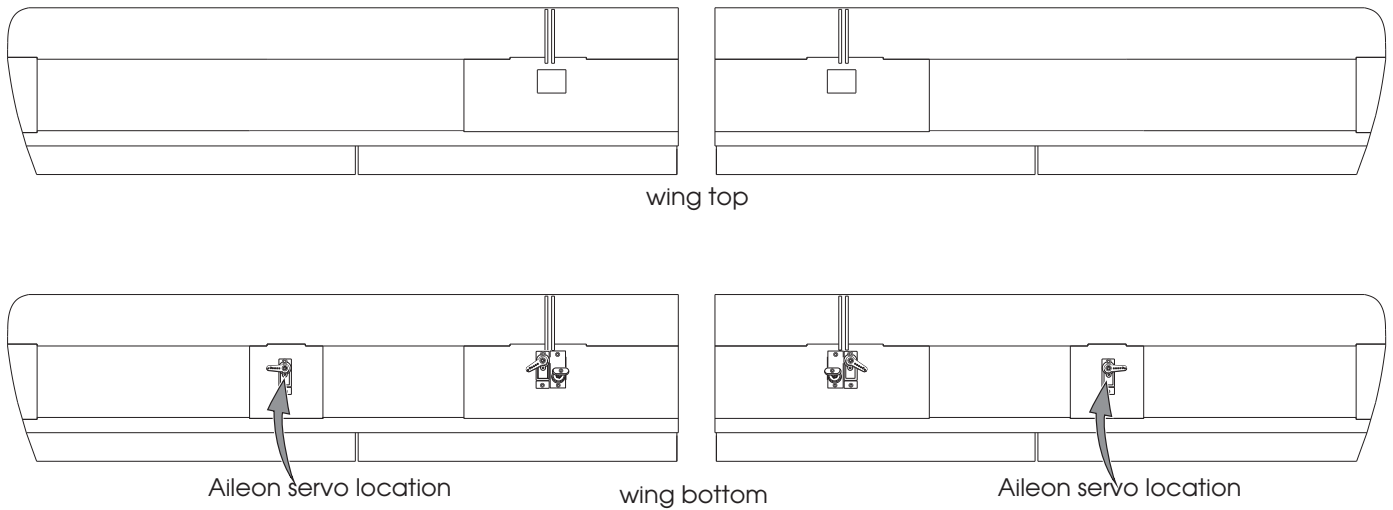
Apply 30Minte Epoxy









Warning!








Do not overlook This symbol!

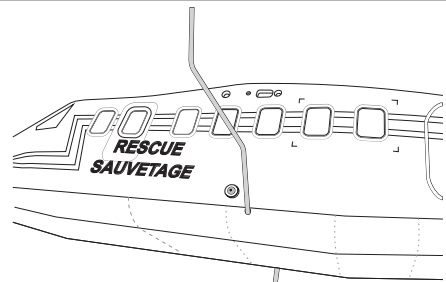
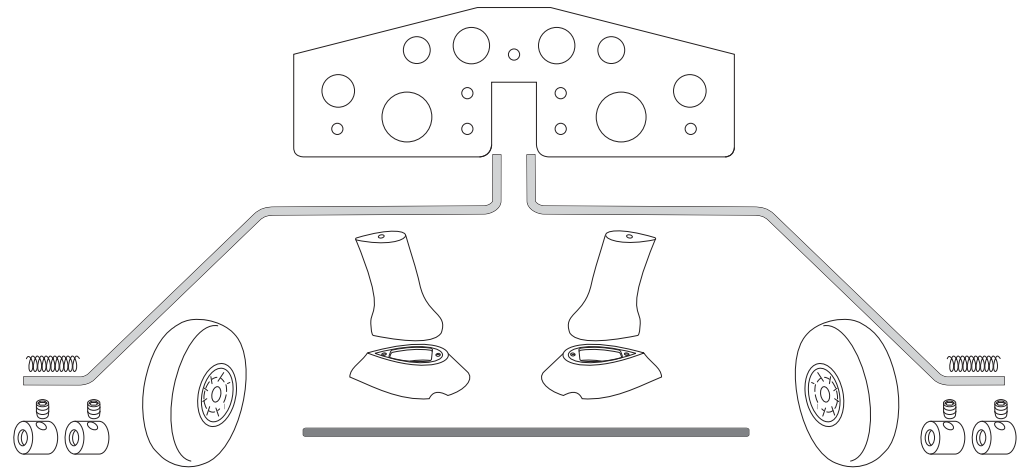
1 Installing engine mouth to the wing



-  Cut off shaded portion.
-  Drill holes with the specified diameter.
-  Assemble left and right sides the same way.
-  Pay close attention here!
-  Must be purchased separately!
-  Assemble as many time as specified.

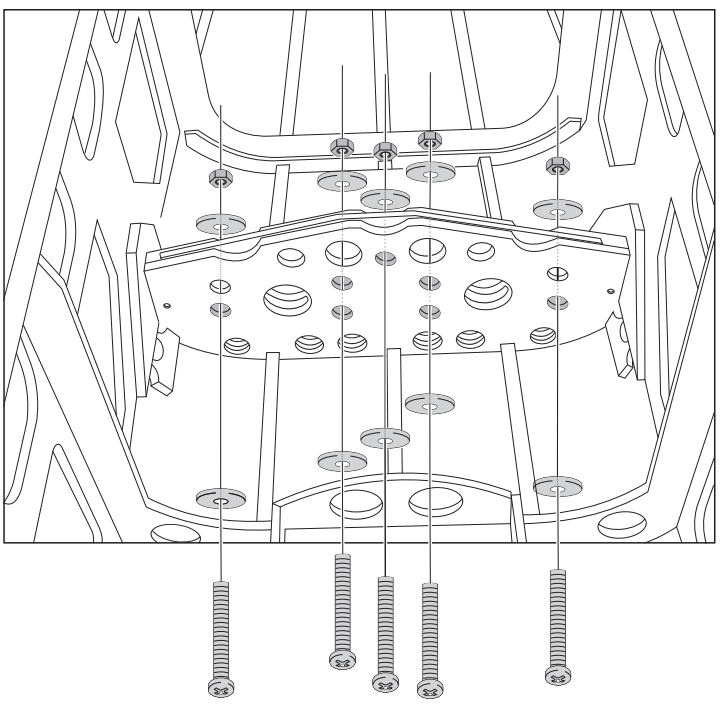
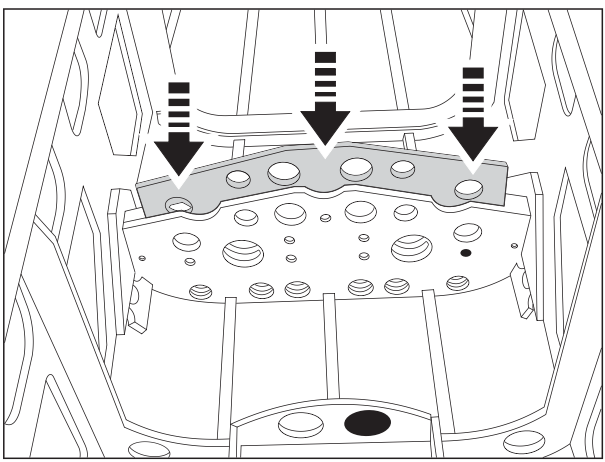
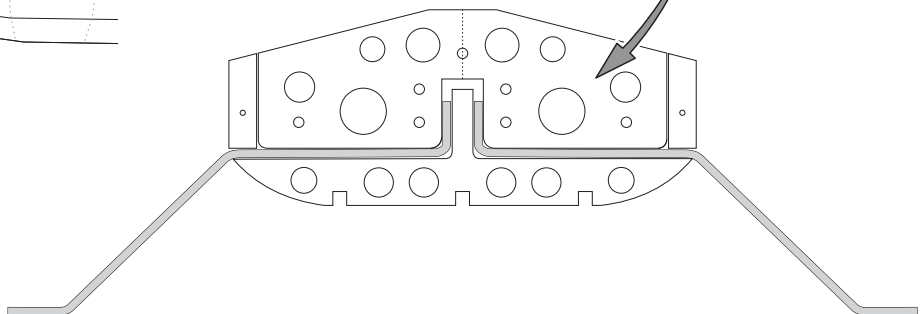
2 Install main gear to the fuselage

-  3x10mm sheet metal screws 4
-  2.5mm 2.5 mm collars 4
-  3x20mm cross head bolts 7
-  3mm nuts 7
-  3mm wood washers 14
-  3x20mm spring 2
-  3.25x130mm plastic tube 1

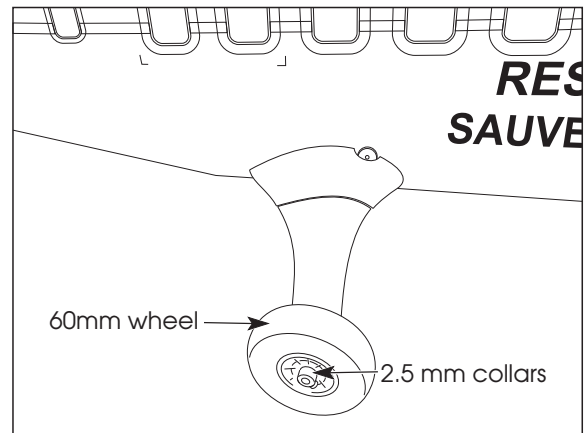
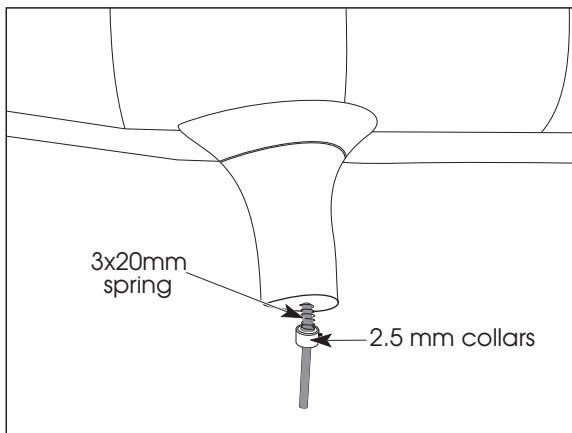
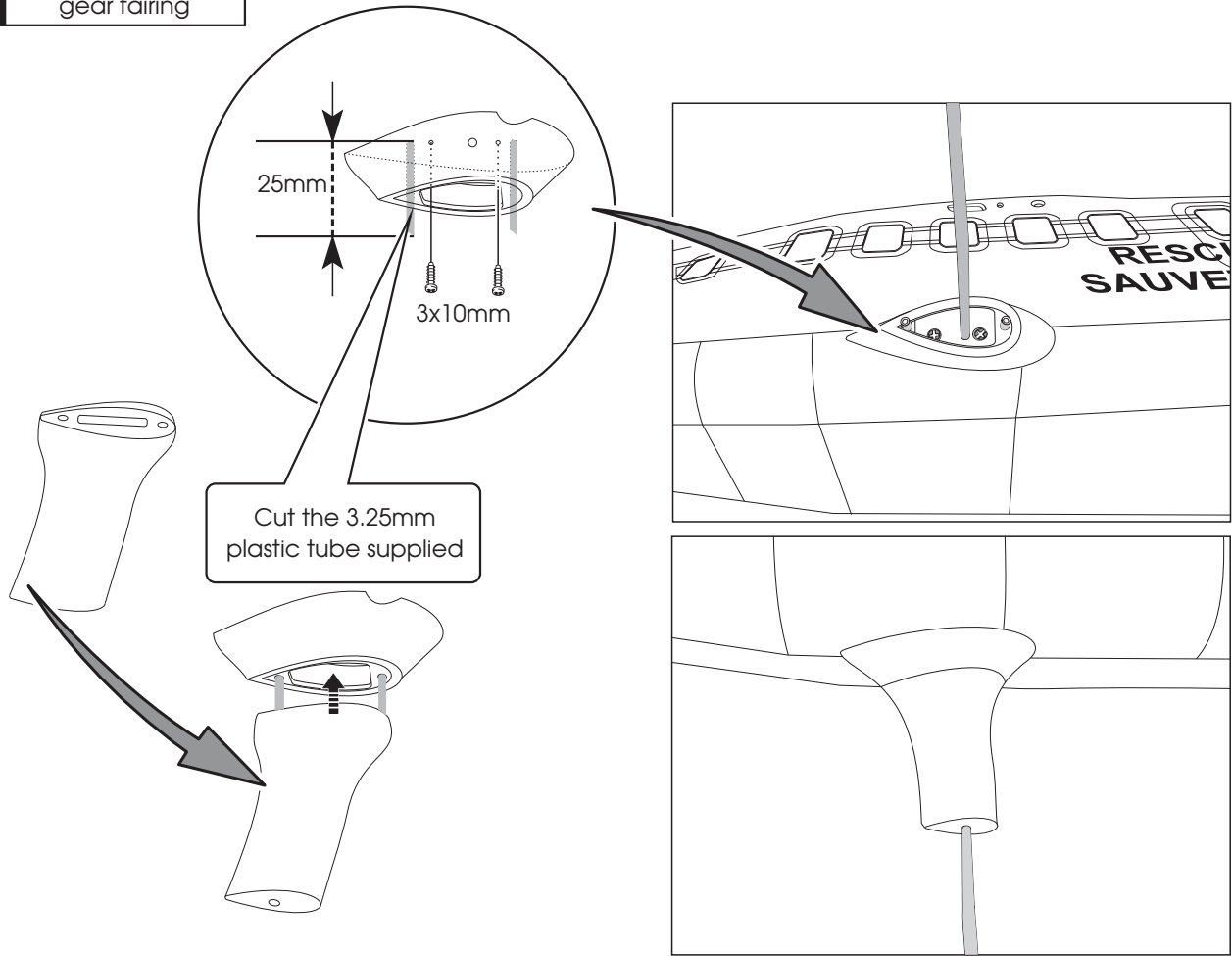


Insert main landing gear to the holder

Main landing gear holder pre-installed to the fuselage

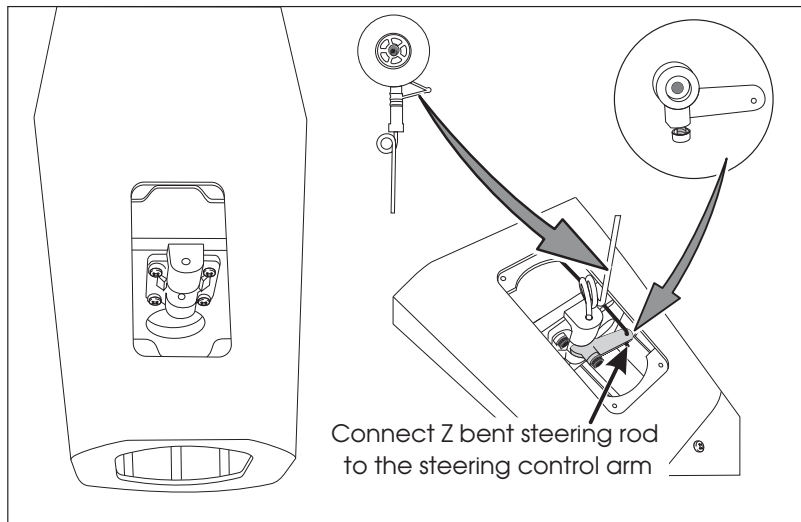


3 Install main landing gear fairing

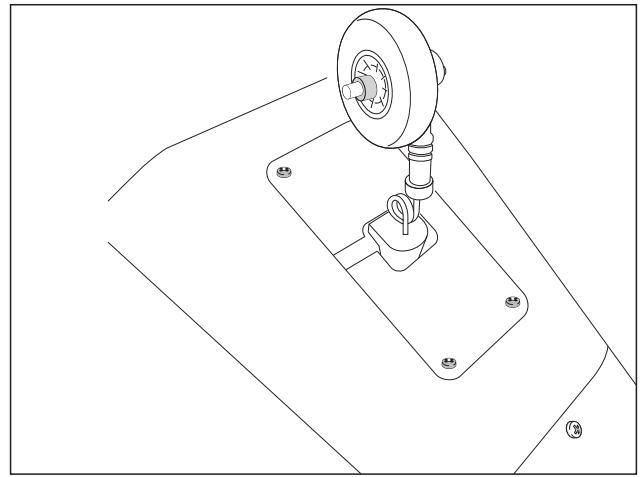
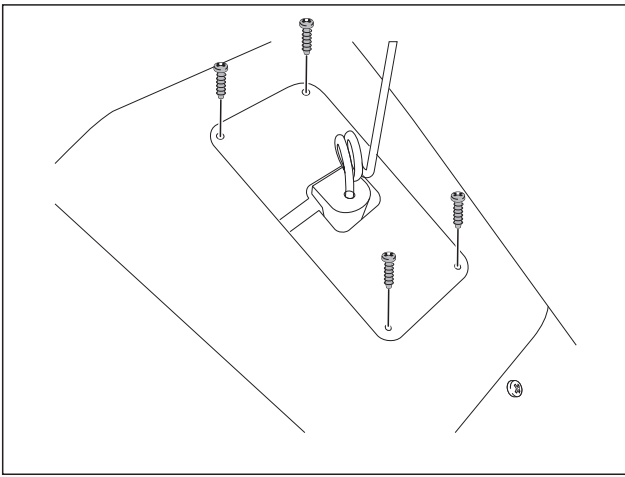


4 Install nose gear

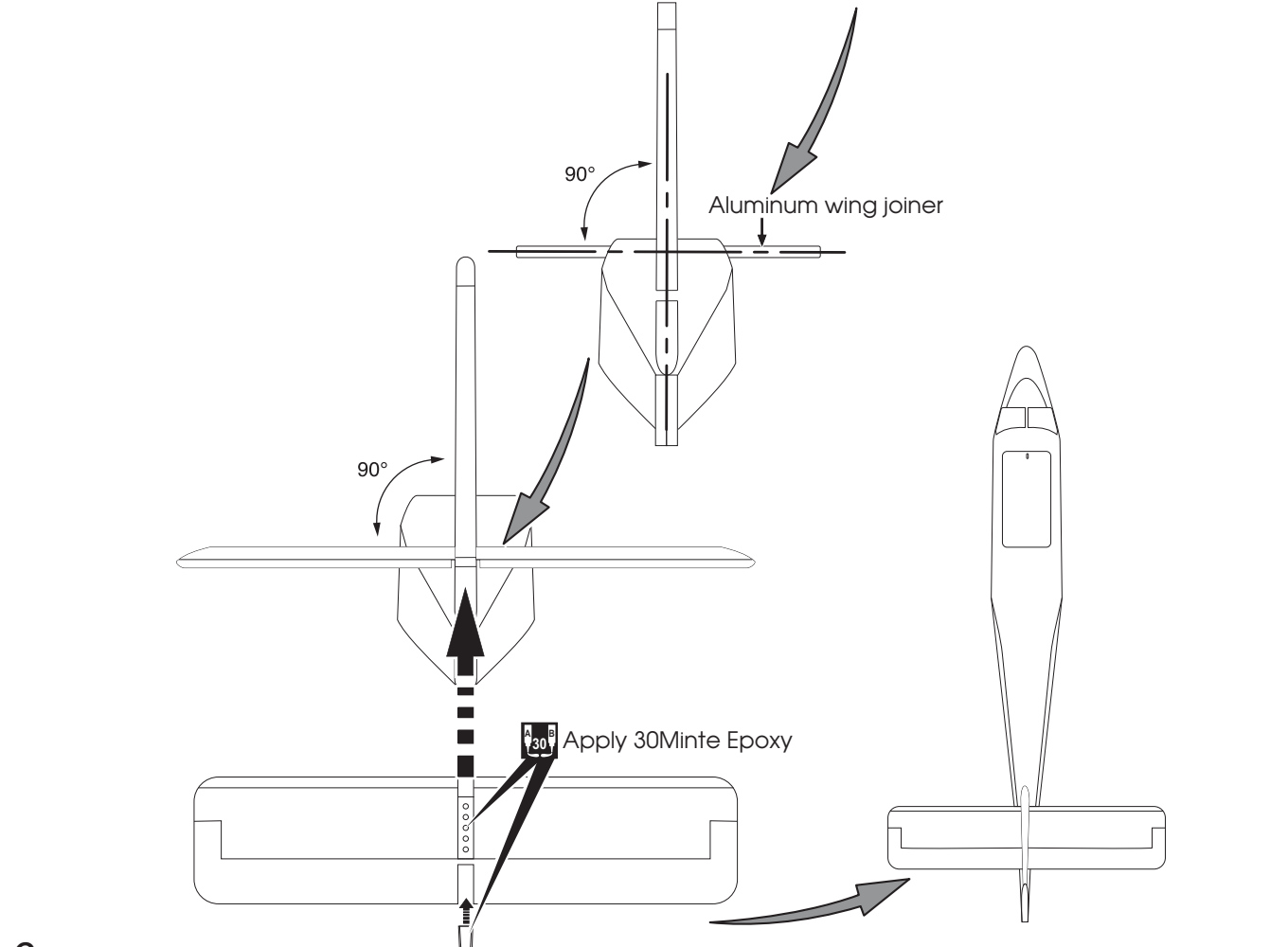
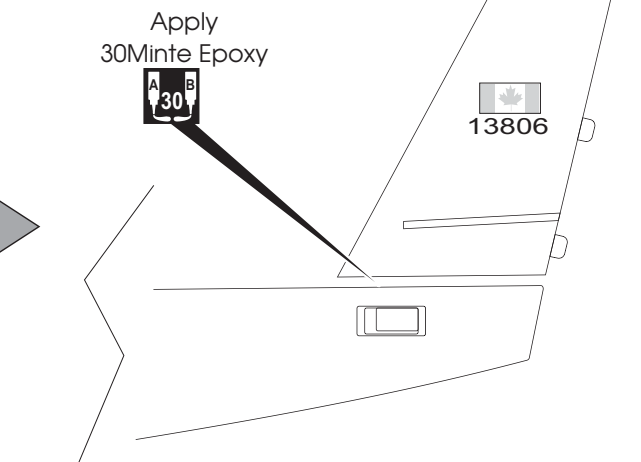
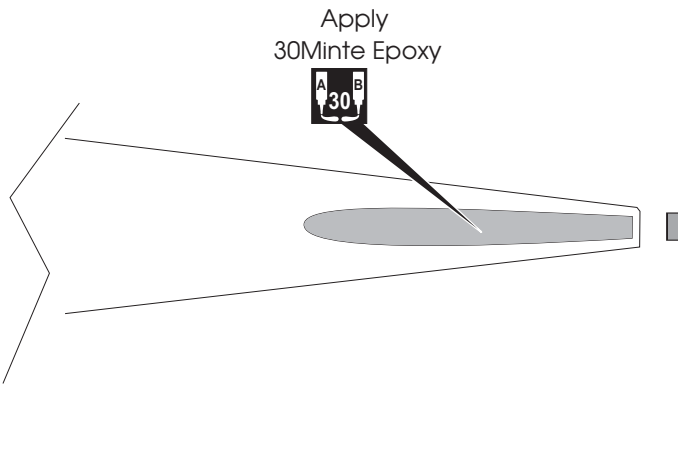
- 2x6mm sheet metal screws 4
- 2.5mm 2.5 mm collars 2



5

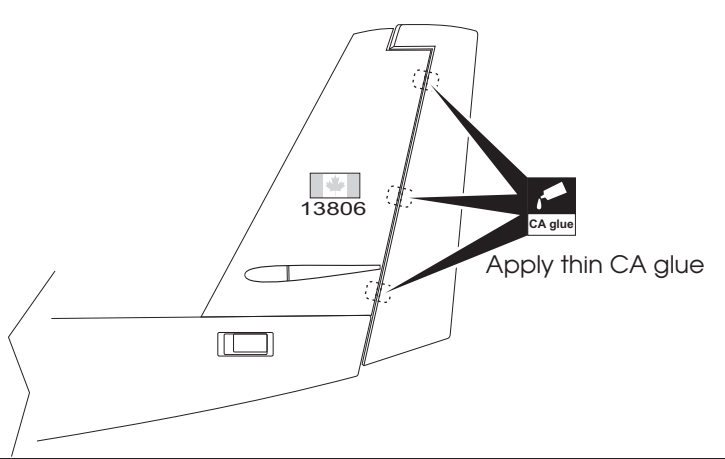
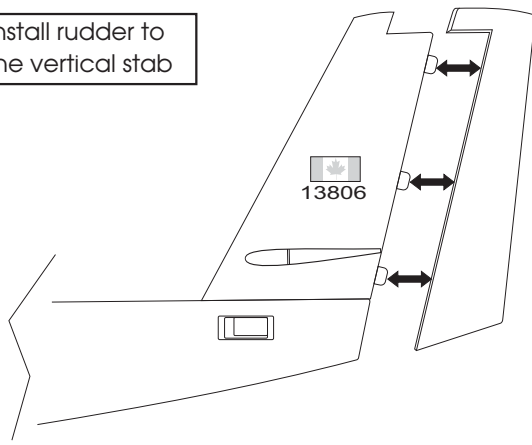


5 Installing the horizontal and vertical stabilizer to the fuselage



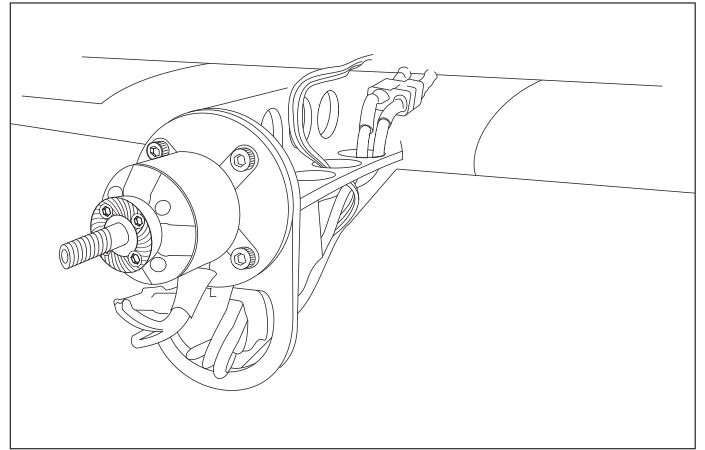
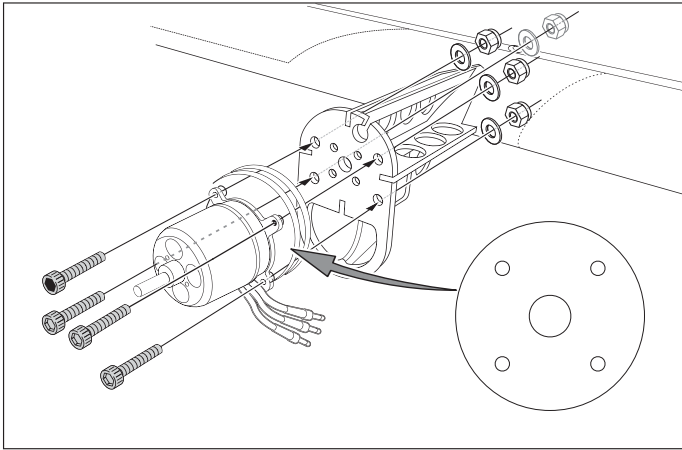
6

Install rudder to the vertical stab



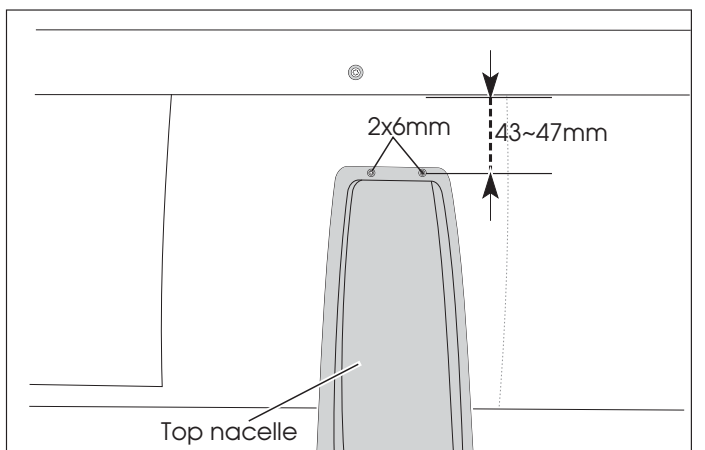
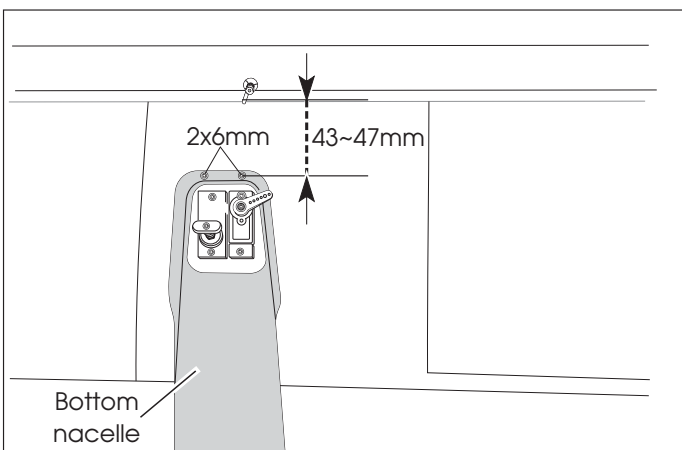
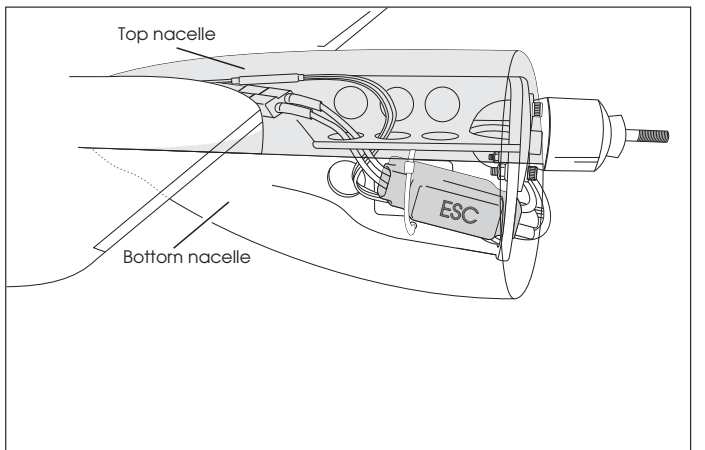
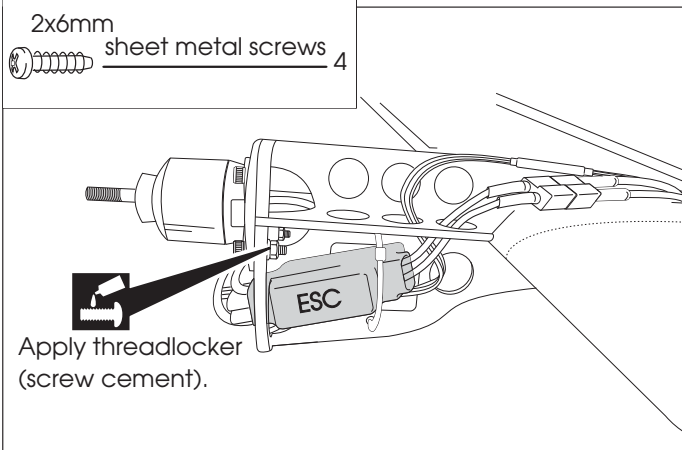
7

Install motor to the wing



8

Install nacelle to the wing



7

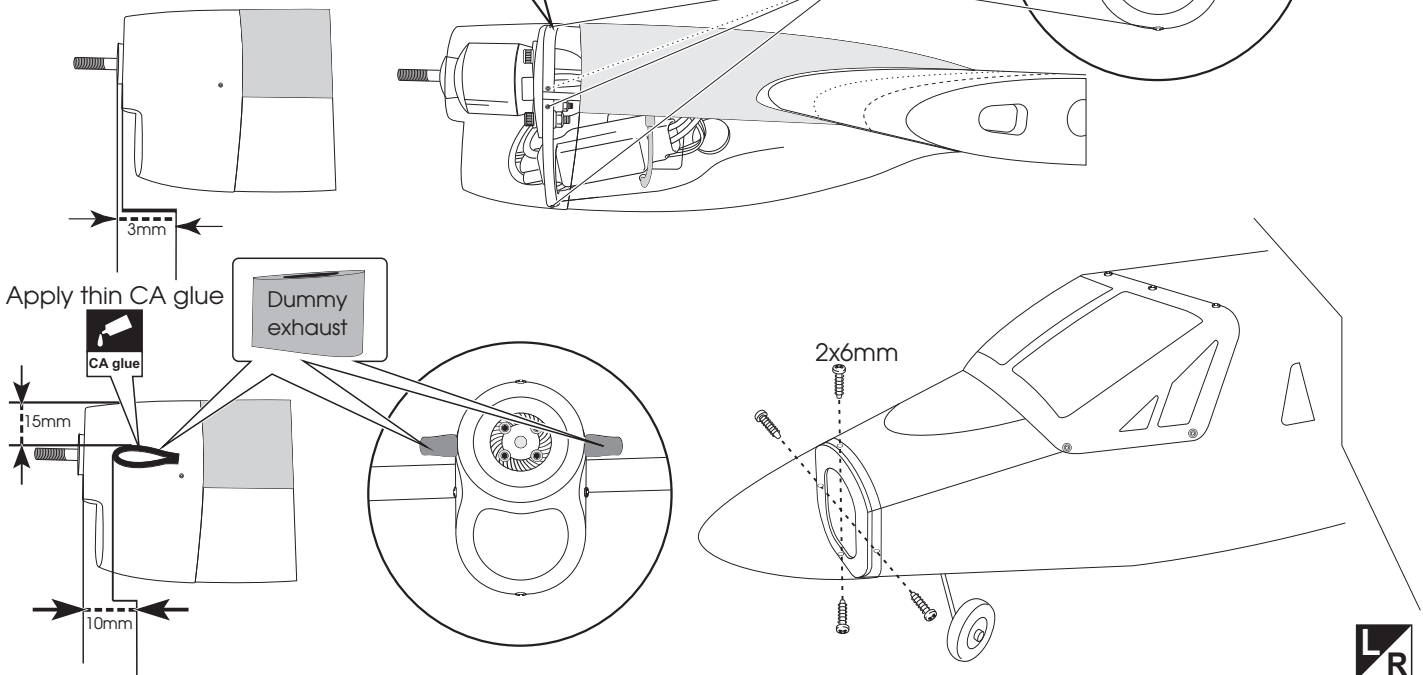


9 Install engine cowl, nose cone and dummy exhaust

2x6mm
sheet metal screws 12

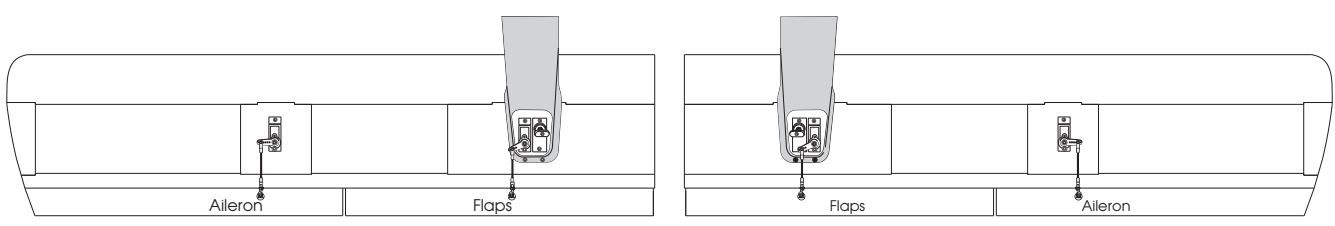
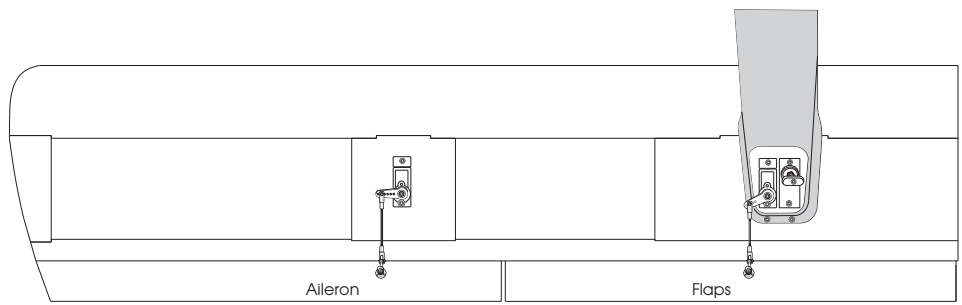
1.5mm
Drill holes with the specified diametre.

Position of screws to hold cowl and nacelles
2x6mm



10 Connecting aileron and flaps surface control

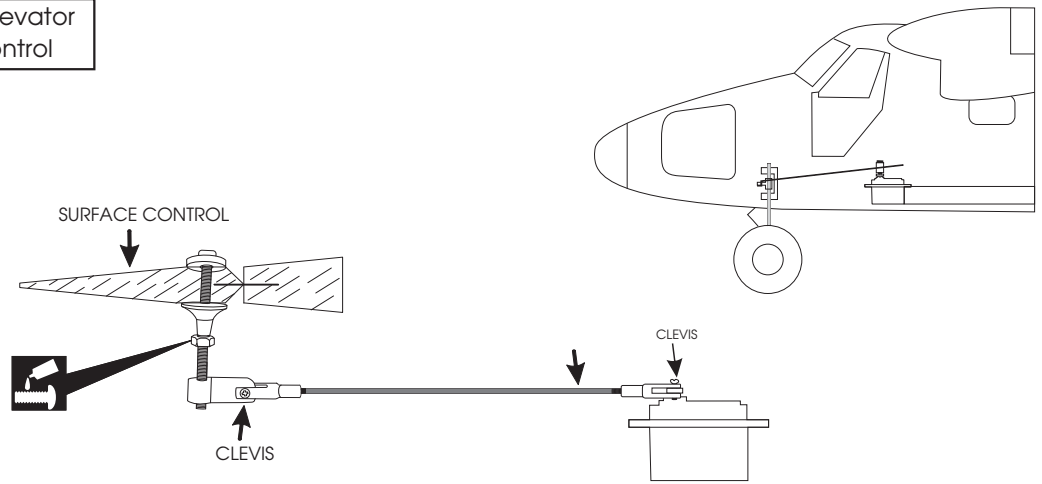
Control horn sets with 3x10mm 4

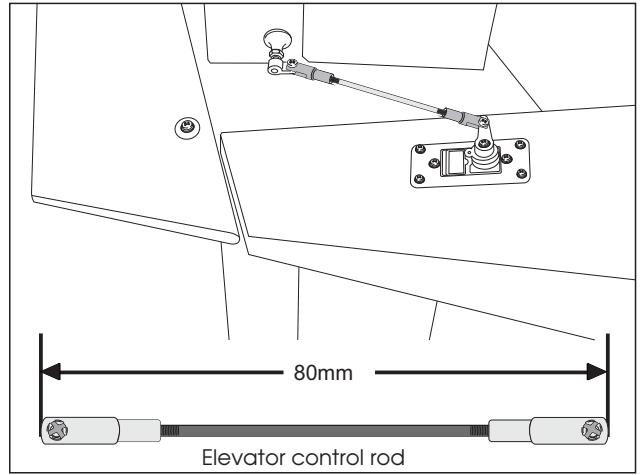
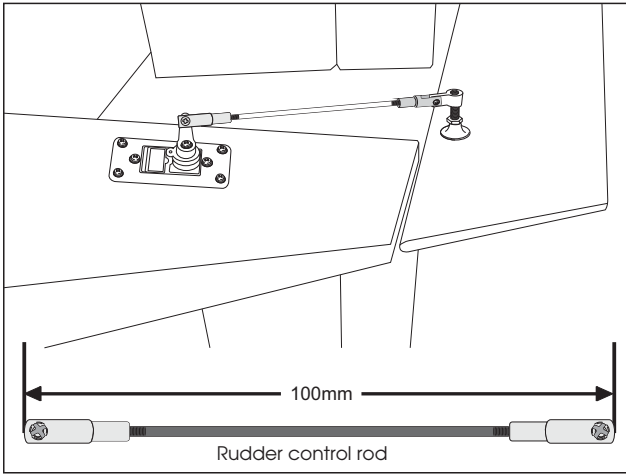


Typical control surface set up for aileron and flaps

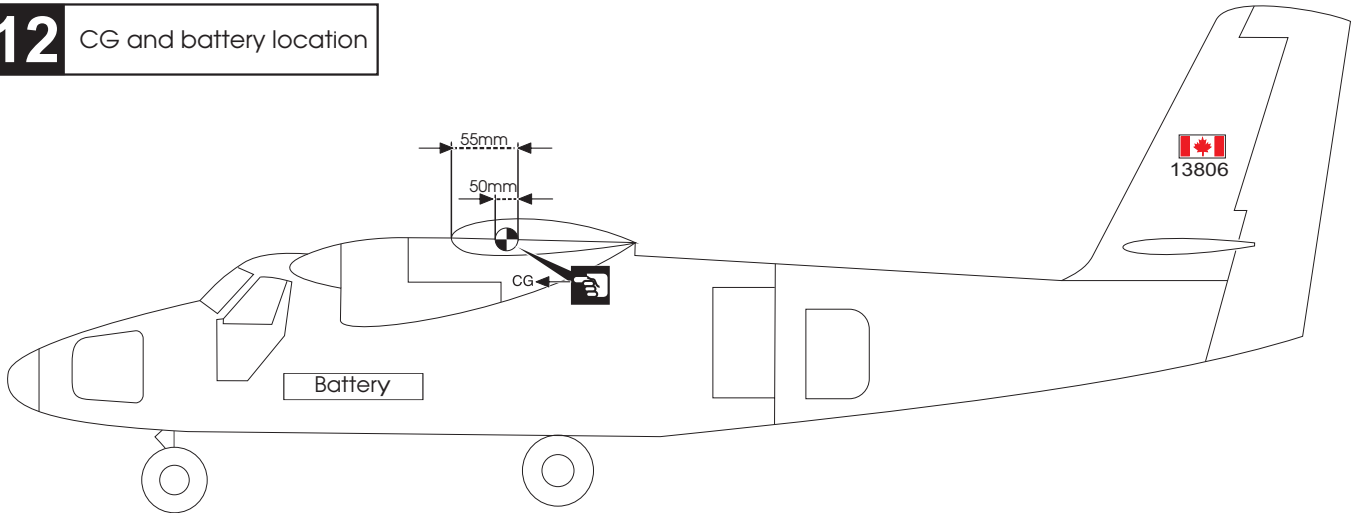
11 Connecting rudder , elevator and nose steering control

Control horn sets with 3x20mm 2

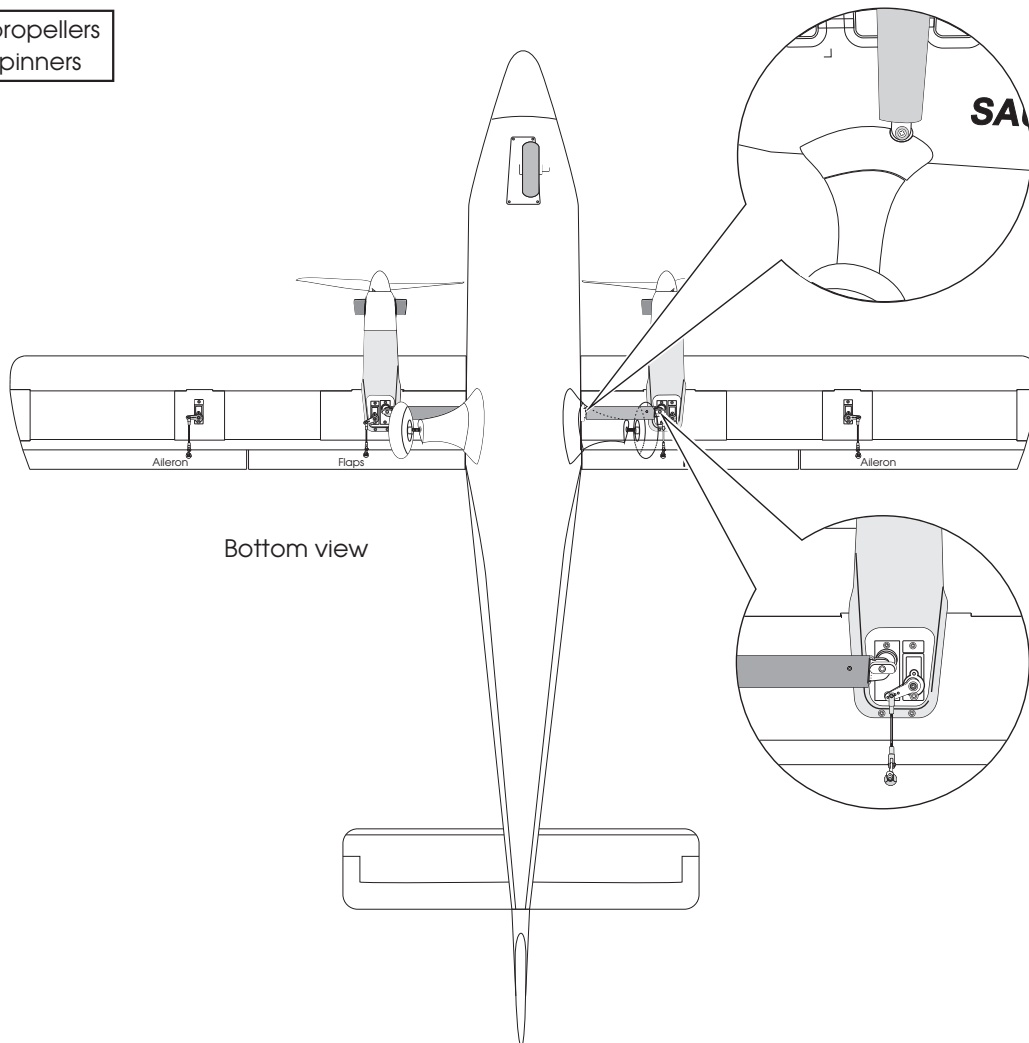


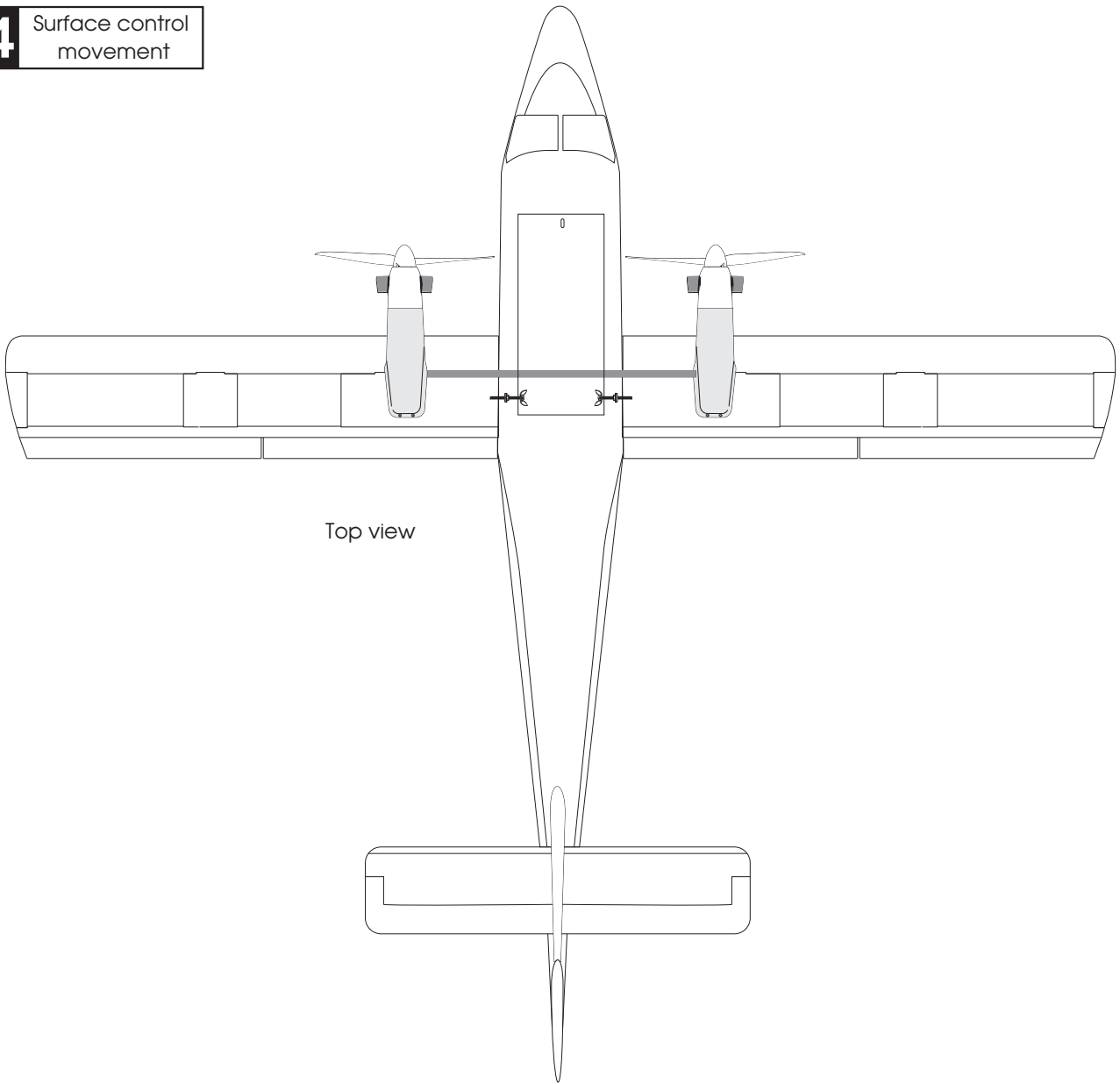


12 CG and battery location



13 Install propellers and spinners

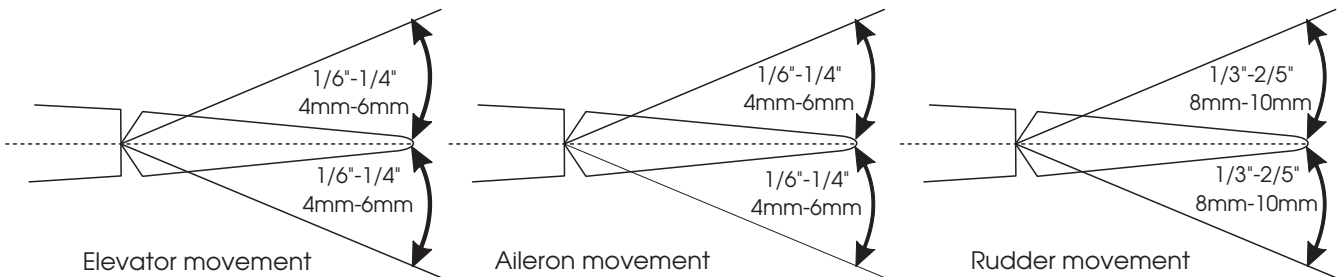




CONTROL SURFACE THROW SPECIFICATIONS

The throws are measured at the widest part of the control surface . Adjust the position of the push rods at the control and/or servo horns to control the amount of throw. You may also use ATV's if you radio has them but the mechanical linkages should still be set so that the ATV's are near 100% for best servo resolution.

SURFACE CONTROL MOVEMENT



	High rate	Low rate
ELEVATOR	1/6" (4mm) up 1/6" (4mm) down	1/4" (6mm) up 1/4" (6mm) down
RUDDER	1/3" (8mm) right 1/3" (8mm) left	2/5" (10mm) right 2/5" (10mm) left
ALERON	1/6" (4mm) up 1/6" (4mm)down	1/4" (6mm) up 1/4" (6mm)down