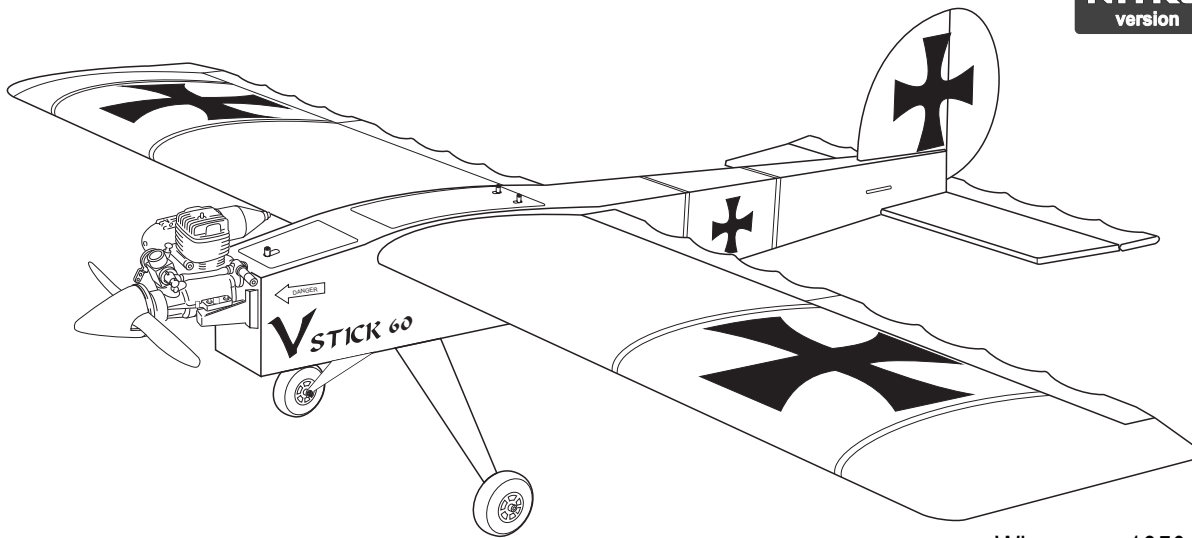


# VSTICK 60

Before beginning assembly, please read these instructions thoroughly.

**NITRO**  
version

**EP**  
version



Wingspan: 1850mm (73")  
Length: 1320mm (52")  
Wing Area: 61.5dm<sup>2</sup> (953Sq Inch)  
Weight: 3500-4500g (8-10lbs)  
Engine: .61-1.20 (10-20cc)  
Electric motor: 1200watts up  
Radio: 5 channels , 7 servos

Photograph is nitro version

INSTRUCTION MANUAL

**ARTF**  
ALMOST-READY-TO-FLY



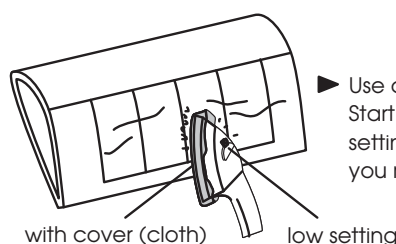
## UNDER SAFETY PRECAUTIONS

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.



► Use an iron covered with a cloth!  
Start at low setting. Increase the setting if necessary. If it is too high, you may damage the film.

# ITEM REQUIRED FOR OPERATION (Not included in kit!)



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

## GP version

## EP version

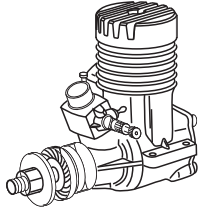
### 1 Radio Set

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

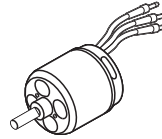
4-channel (minimum) radio system for aircraft 4 servos (standard servos). Please be sure to use servos with enough torque (3.0 - cm minimum).

■ Y-Harness 2pcs

### 2 Engine, Motor, ESC



■ 2-stroke .60~1.20  
4-stroke 1.20~1.80



■ Suitable Outer Rotor Motor.

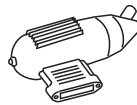
■ Use outer rotor motor power between 1200w up

Motor : KV / 380~650

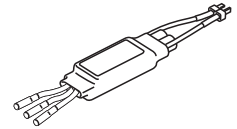
■ Glow Plug



■ Muffler



■ ESC More than 70A

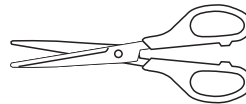


## TOOLS REQUIRED (Purchase separately!)

■ File



■ Scissors



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

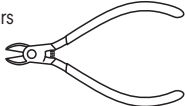


■ Shap Hobby Knife

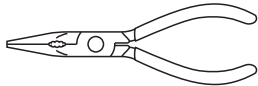


■ Hex Wrench (2, 2.5, 3mm)

■ Cutters Pliers



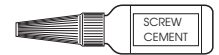
■ Long Nose Pliers



■ Drill,Bits (2,3,4,6mm)



■ Threat locker Cement



## 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.



Drill holes with the specified diametre.



Must be purchased separately!



Apply threadlocker (screw cement).



Assemble in the specified order.



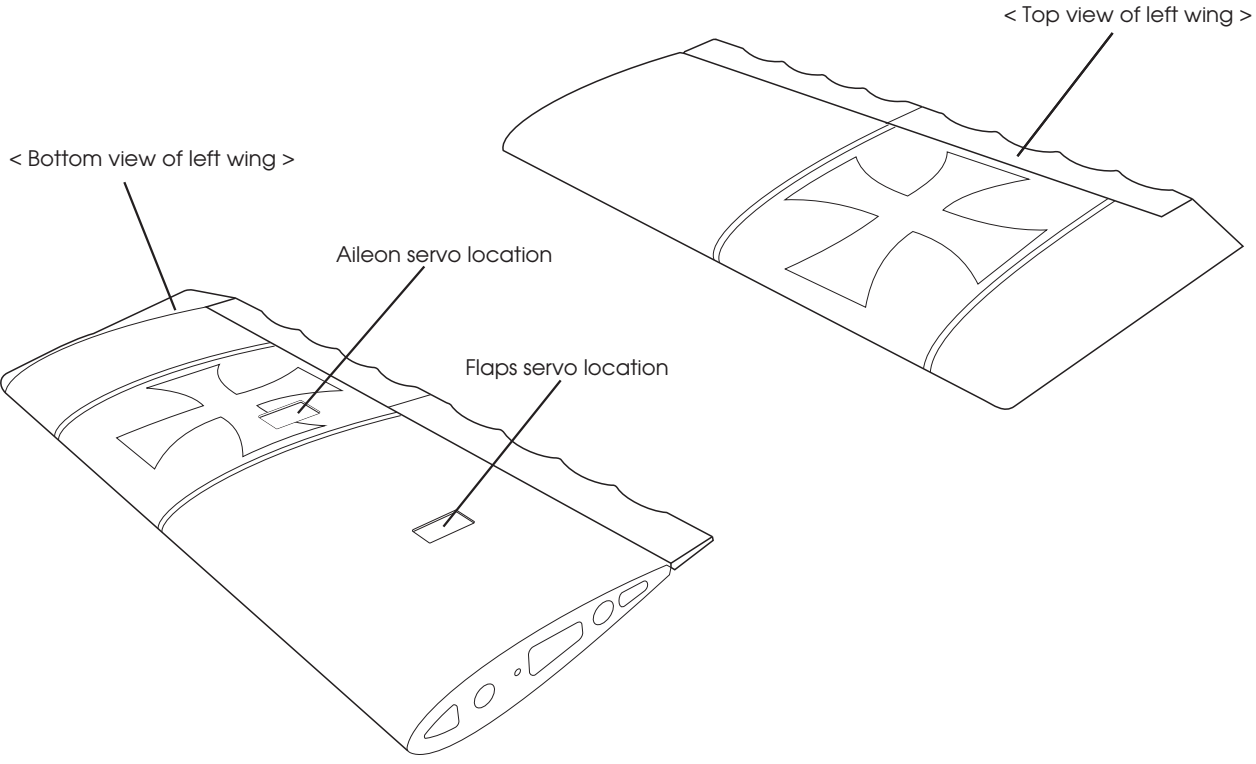
Assemble left and right sides the same way.



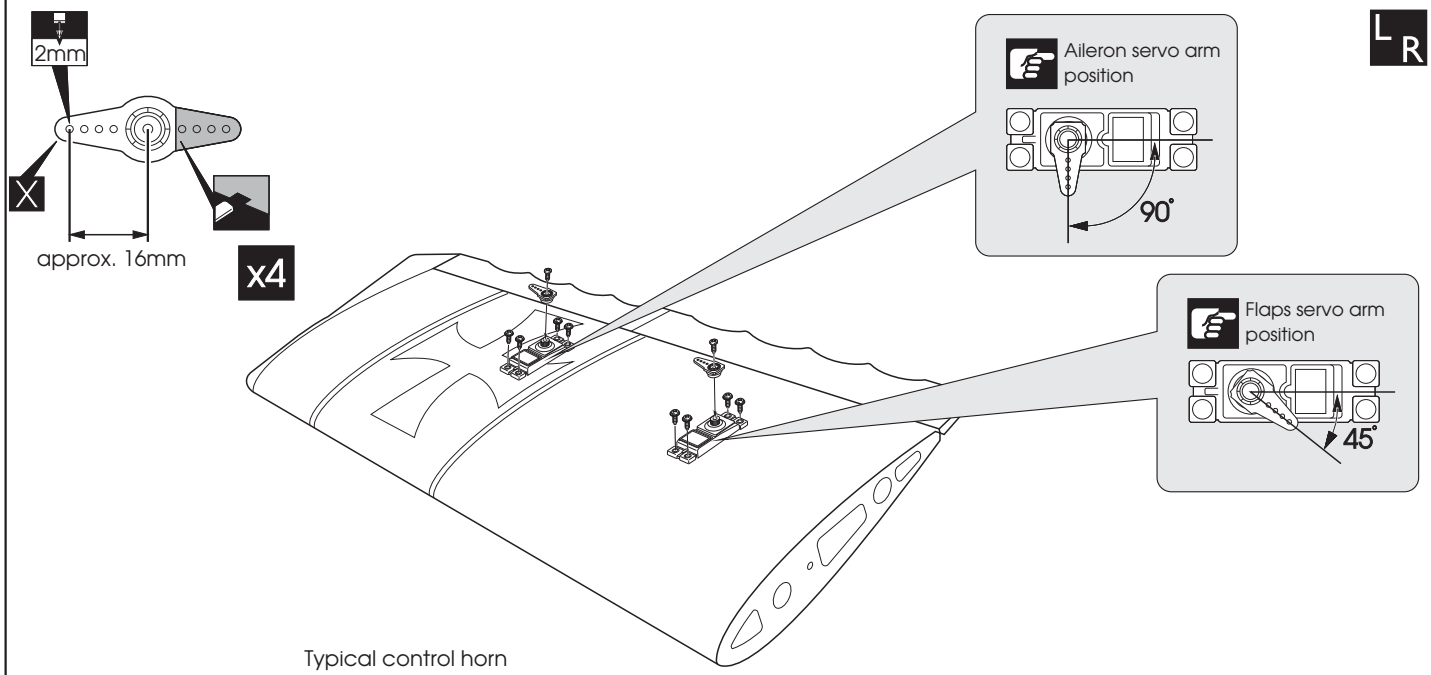
Warning!

Do not overlook This symbol!

# 1 Install Servos to the wing

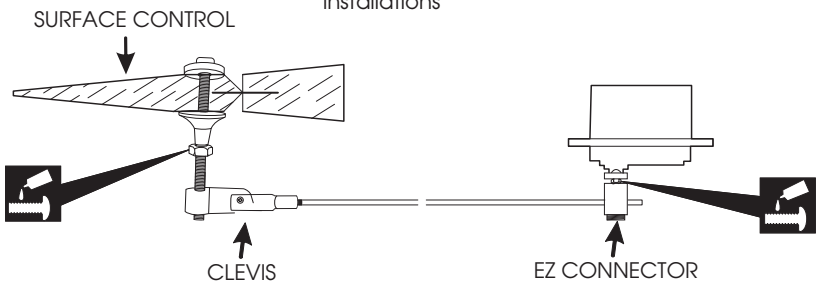








L R



L R

Typical control horn installations



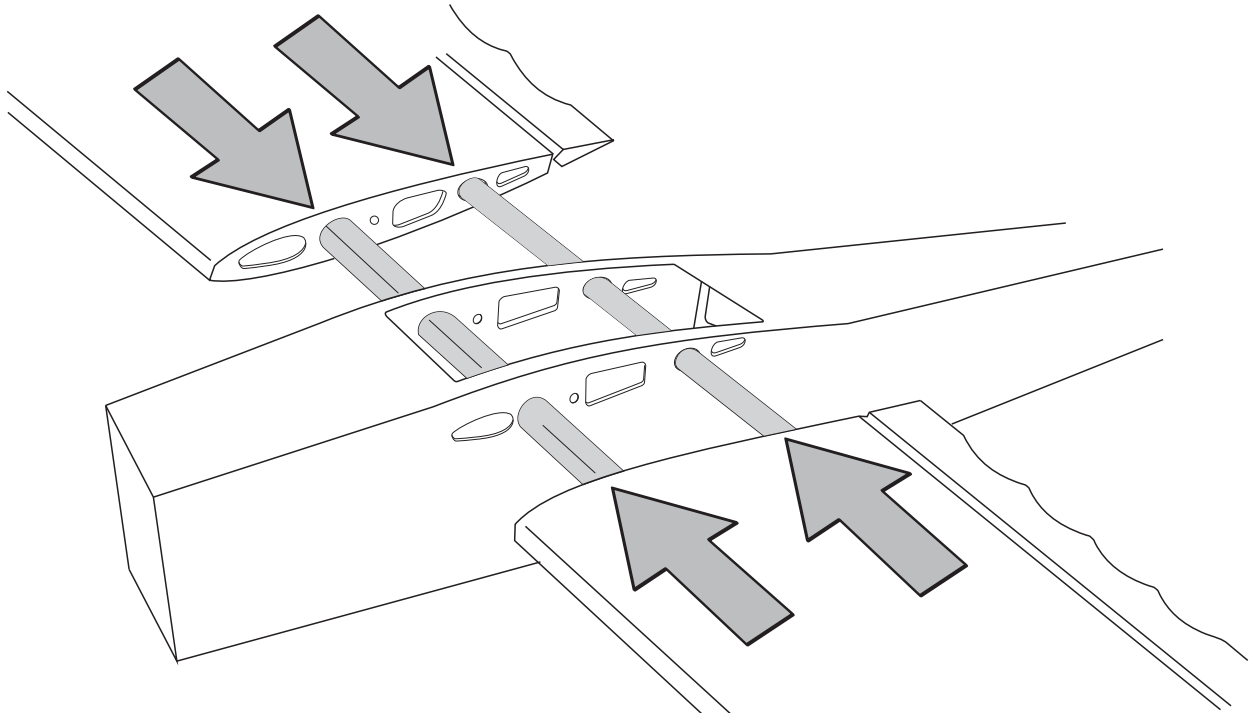
-  Cut off shaded portion.
-  Drill holes with the specified diameter.
-  Assemble left and right sides the same way.
-  Pay close attention here!
-  Must be purchased separately!
-  Assemble as many time as specified.

**2** Attached the wing to the fuselage

**NO GLUE NEEDED FOR THIS ASSEMBLY**

Front aluminum wing joiner tube size 19mm diameter and 540mm long

Rear aluminum wing joiner tube size 16mm diameter and 250mm long



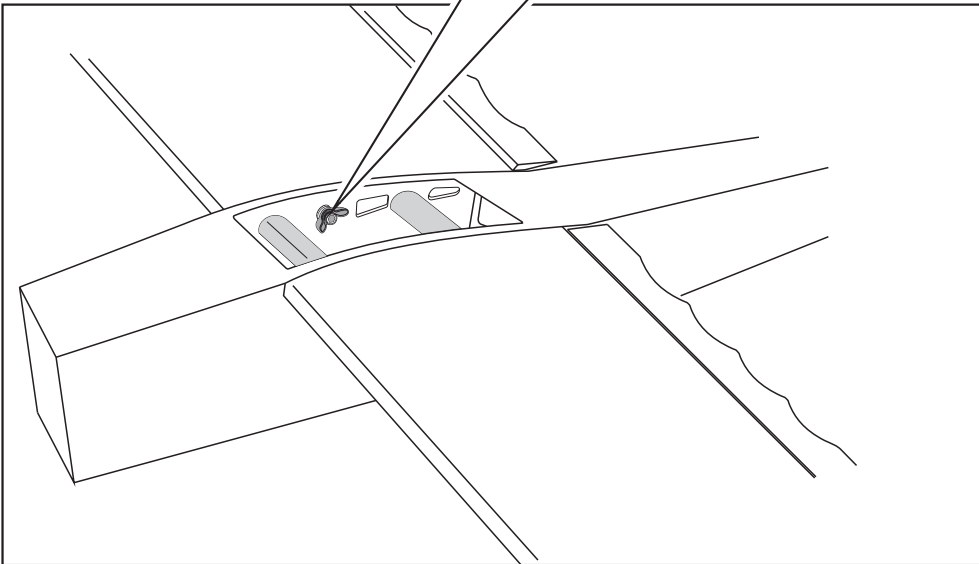
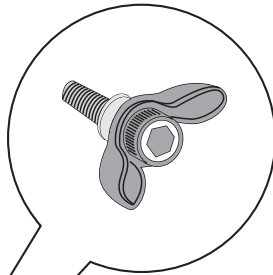
1. Insert the wing joiner tube to the fuselage

L R

- 4x20xhex bolt
- 1 wooden washer
- 1 butterfly nut

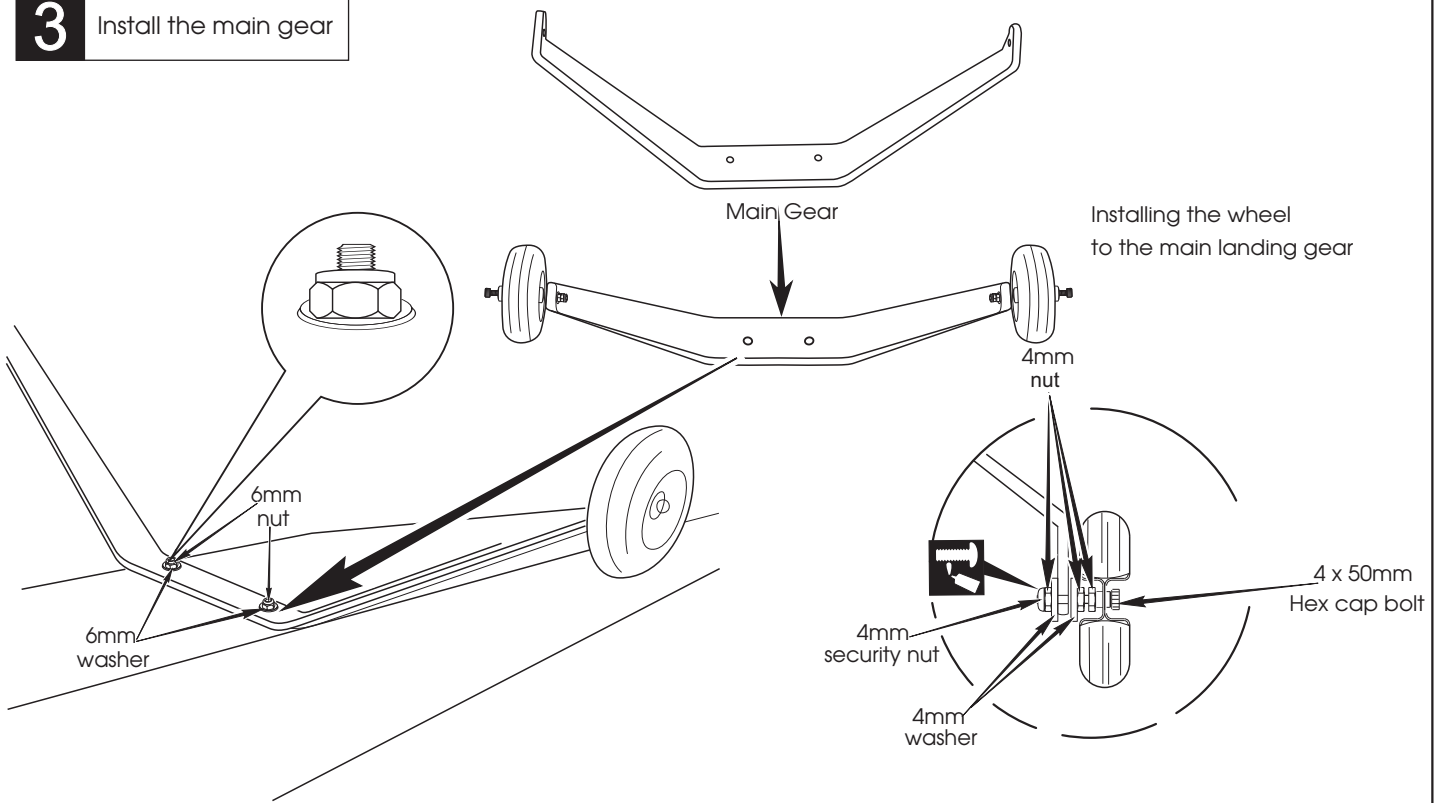
1. Insert the wing tube onto right wing panel the tighten with the butterfly nut to secure to the fuselage

2. same procedure the secure the left wing panel to the fuselage

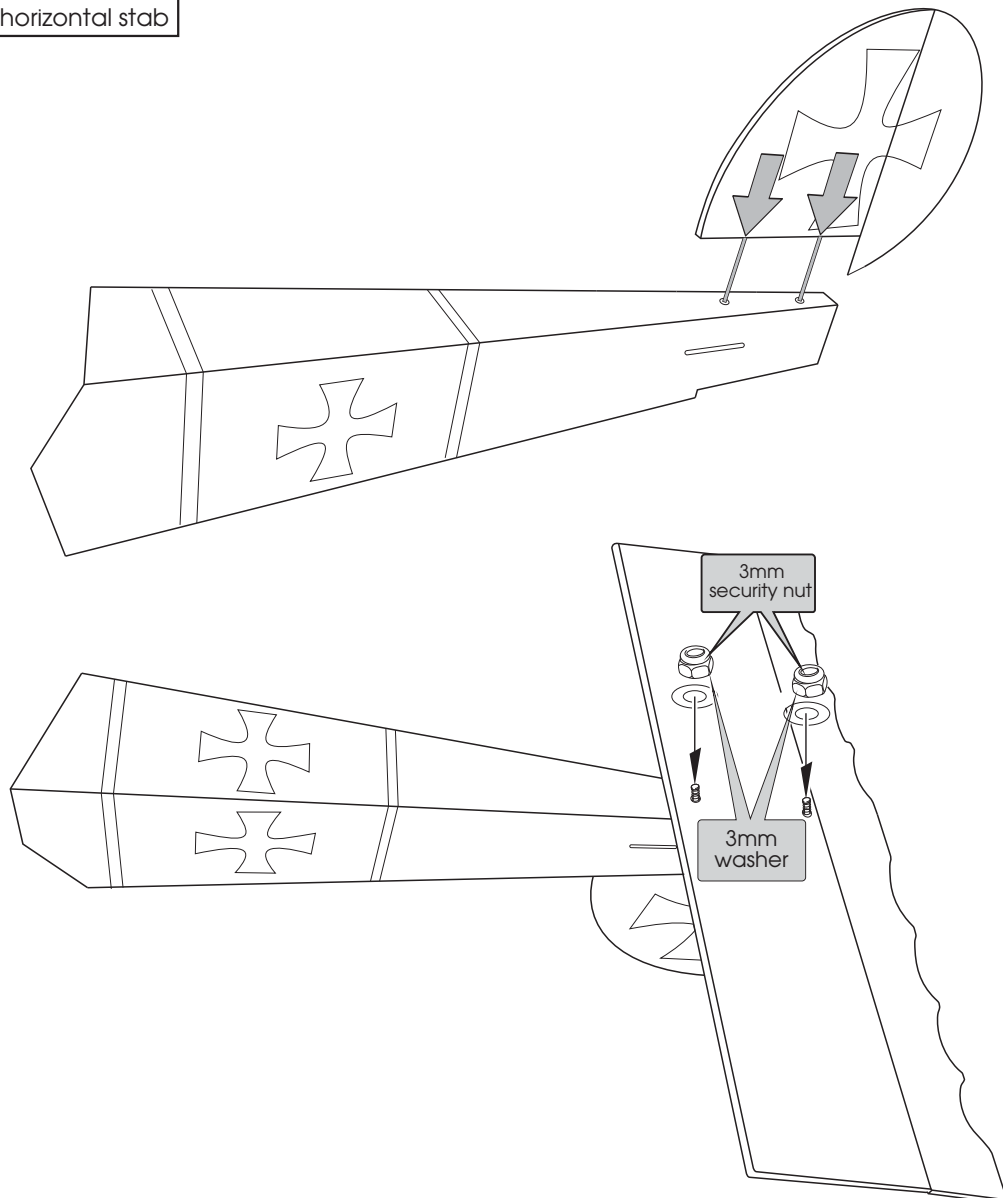


L R

**3** Install the main gear



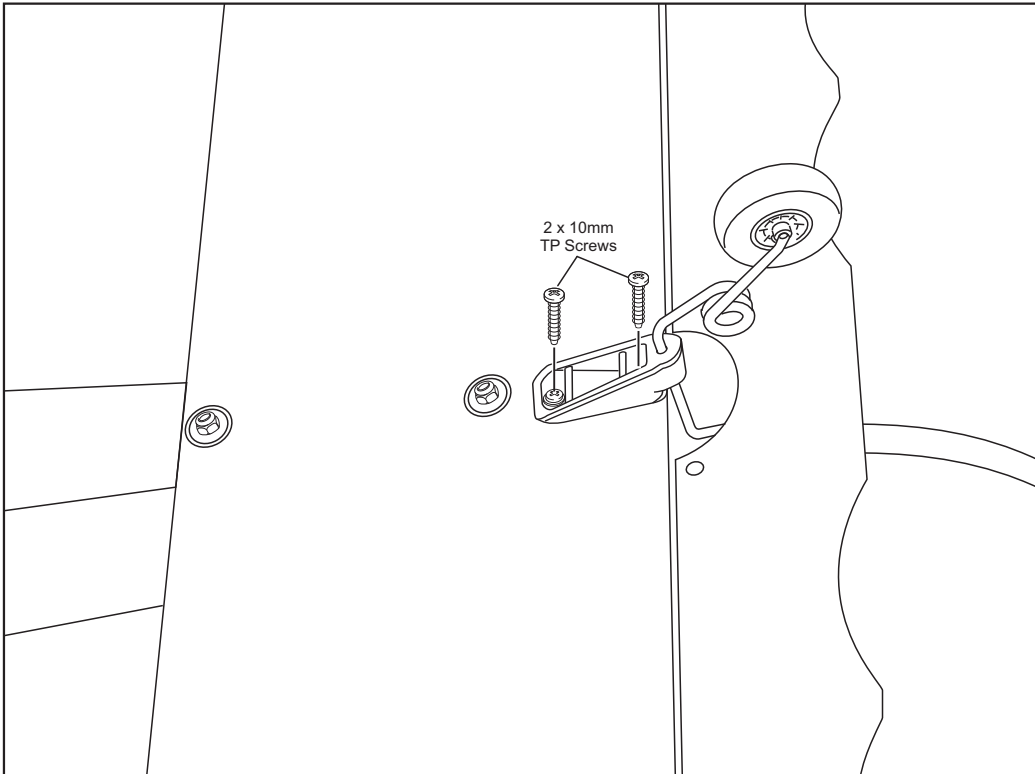
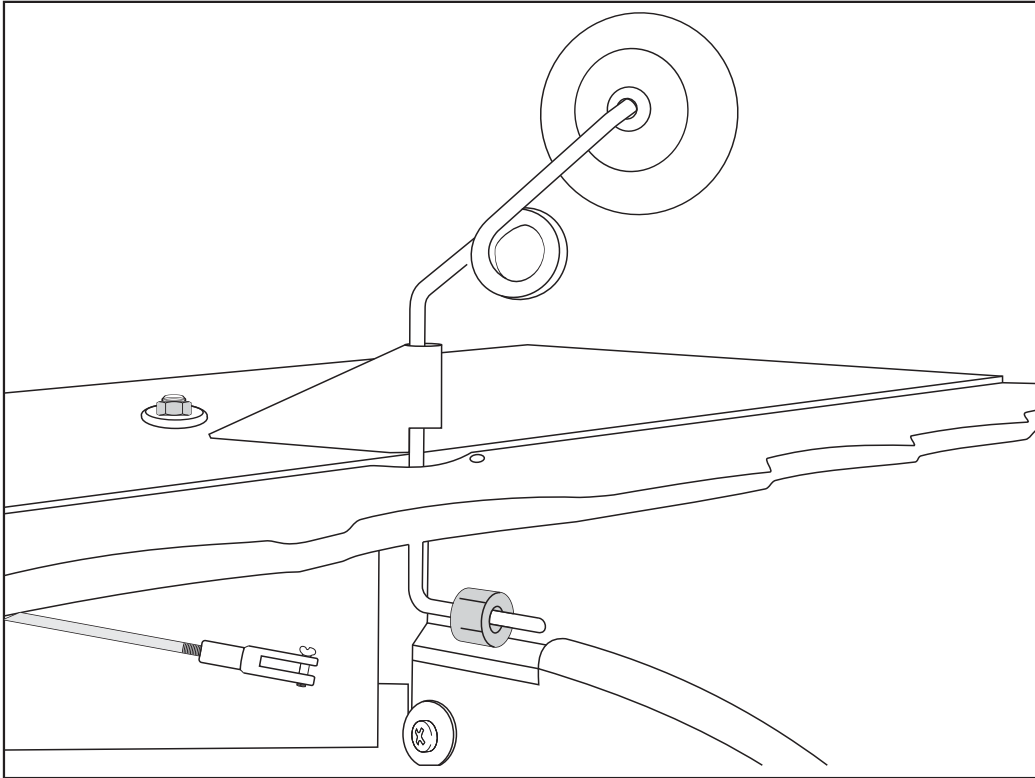
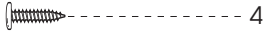
**4** Install the vertical and horizontal stab



**5**

Install the tail wheel

2 x 7mm TP Screws

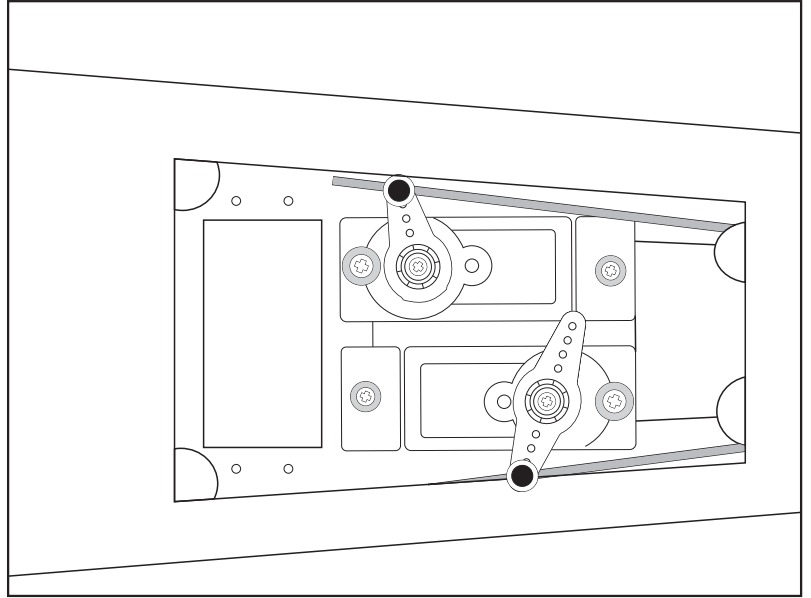
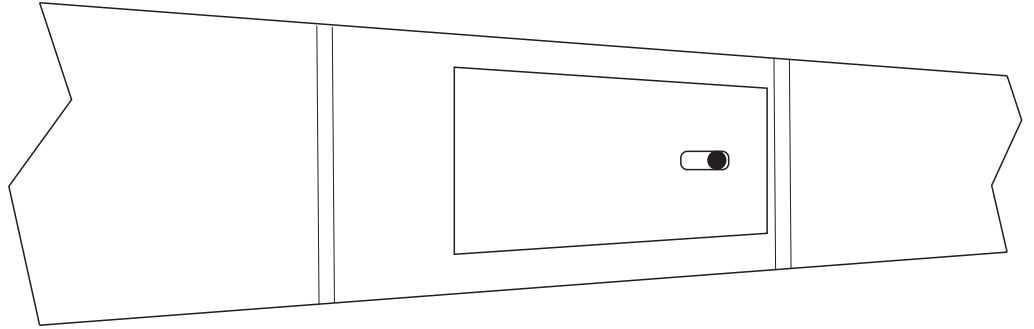
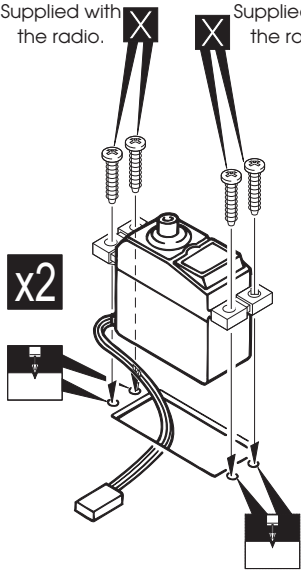


**6**

# 6 Servo

Supplied with the radio.  Supplied with the radio. 

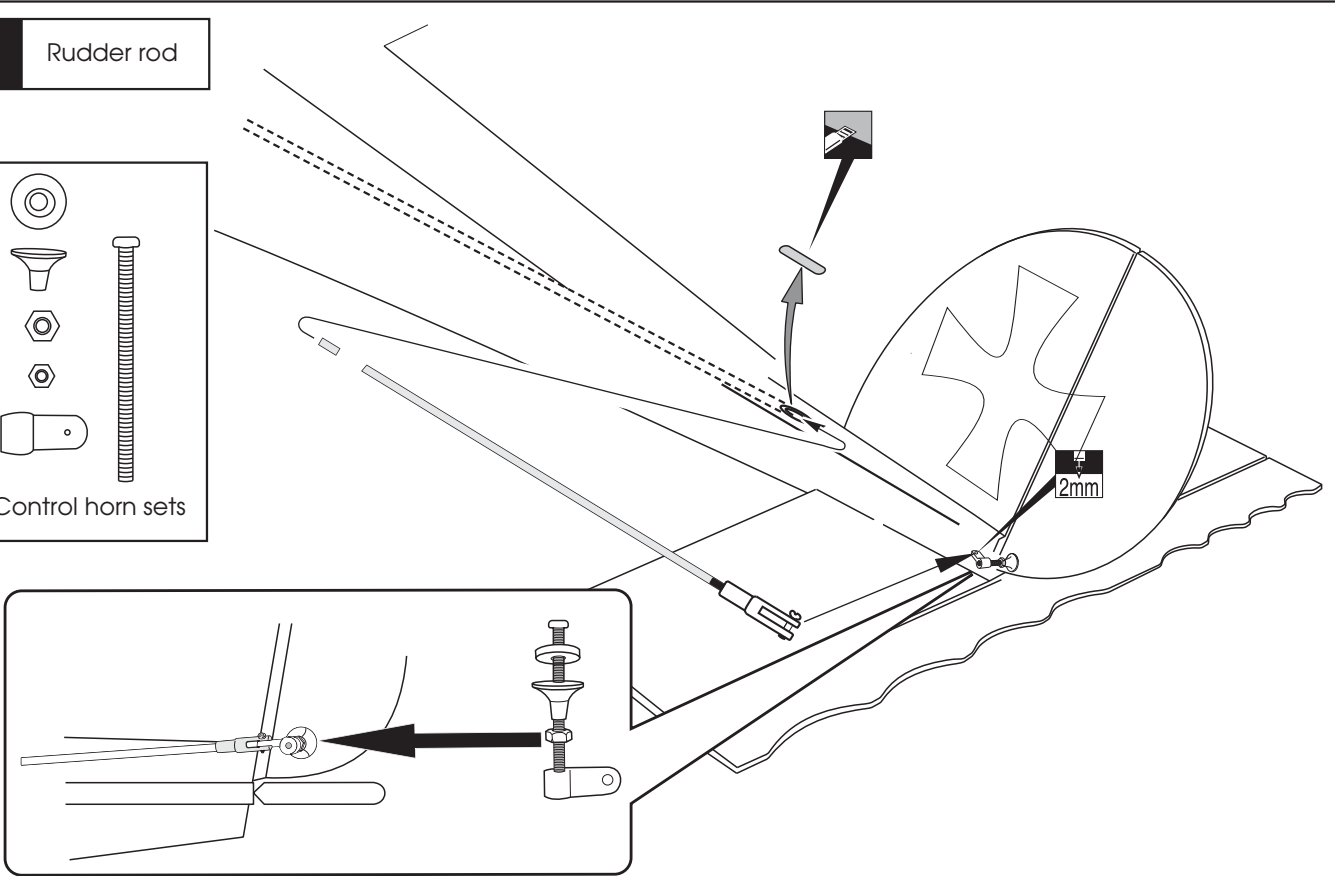
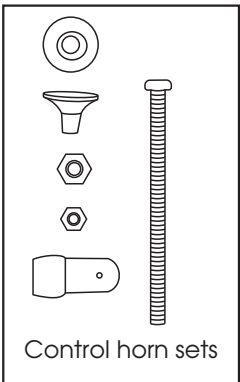
x2



# 7 Linkage rod

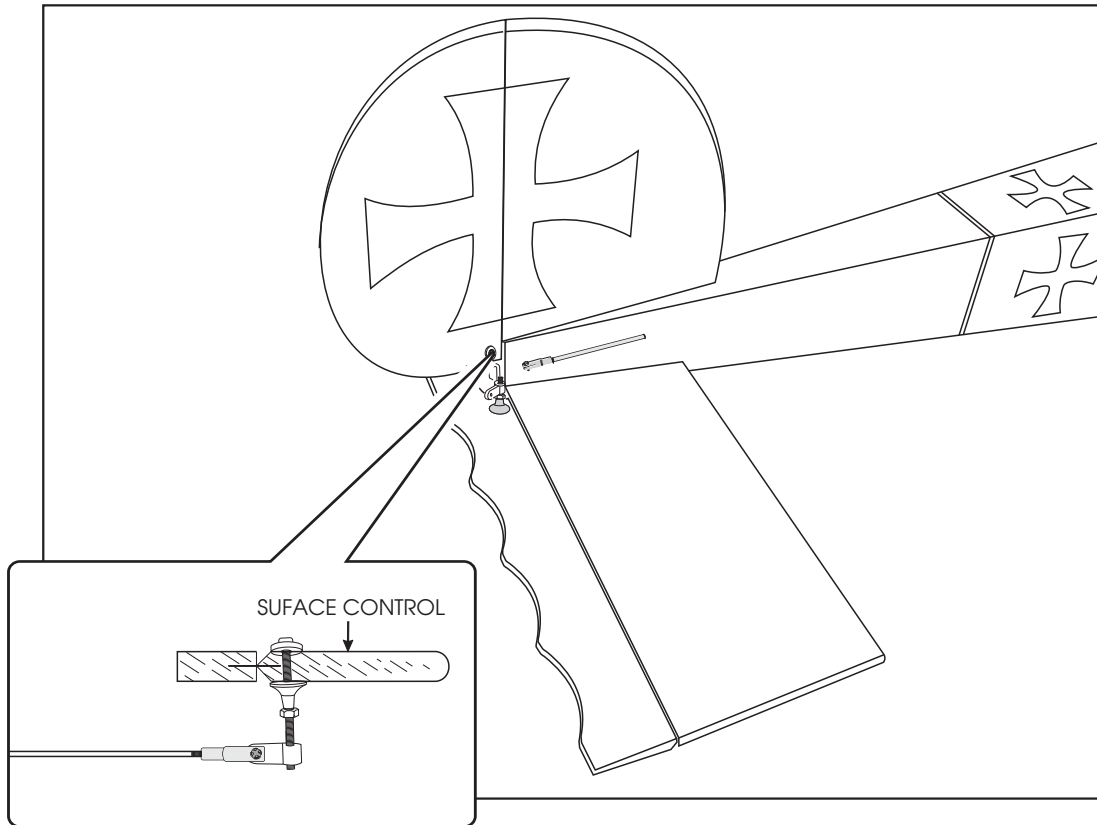


# 8 Rudder rod



9

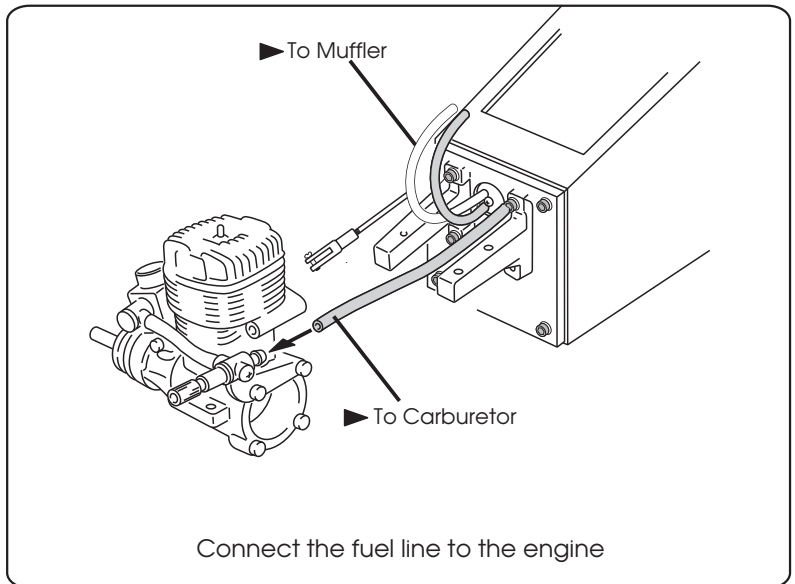
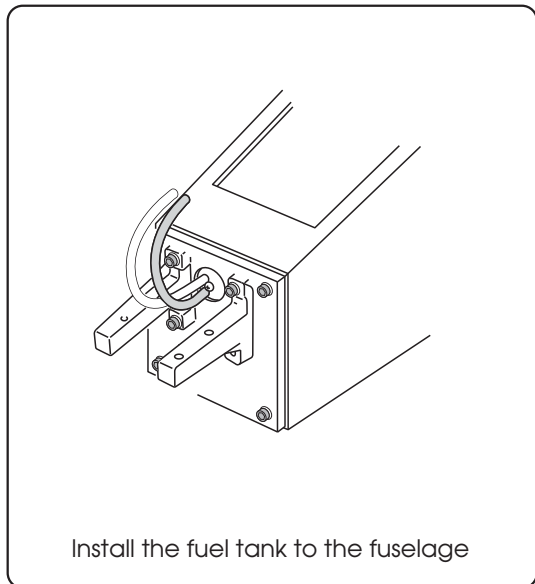
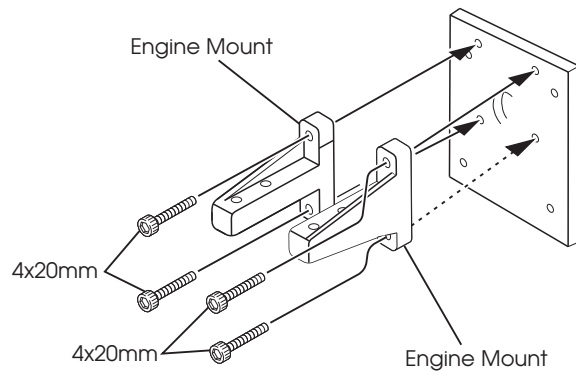
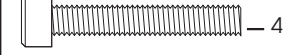
Elevator rod



10

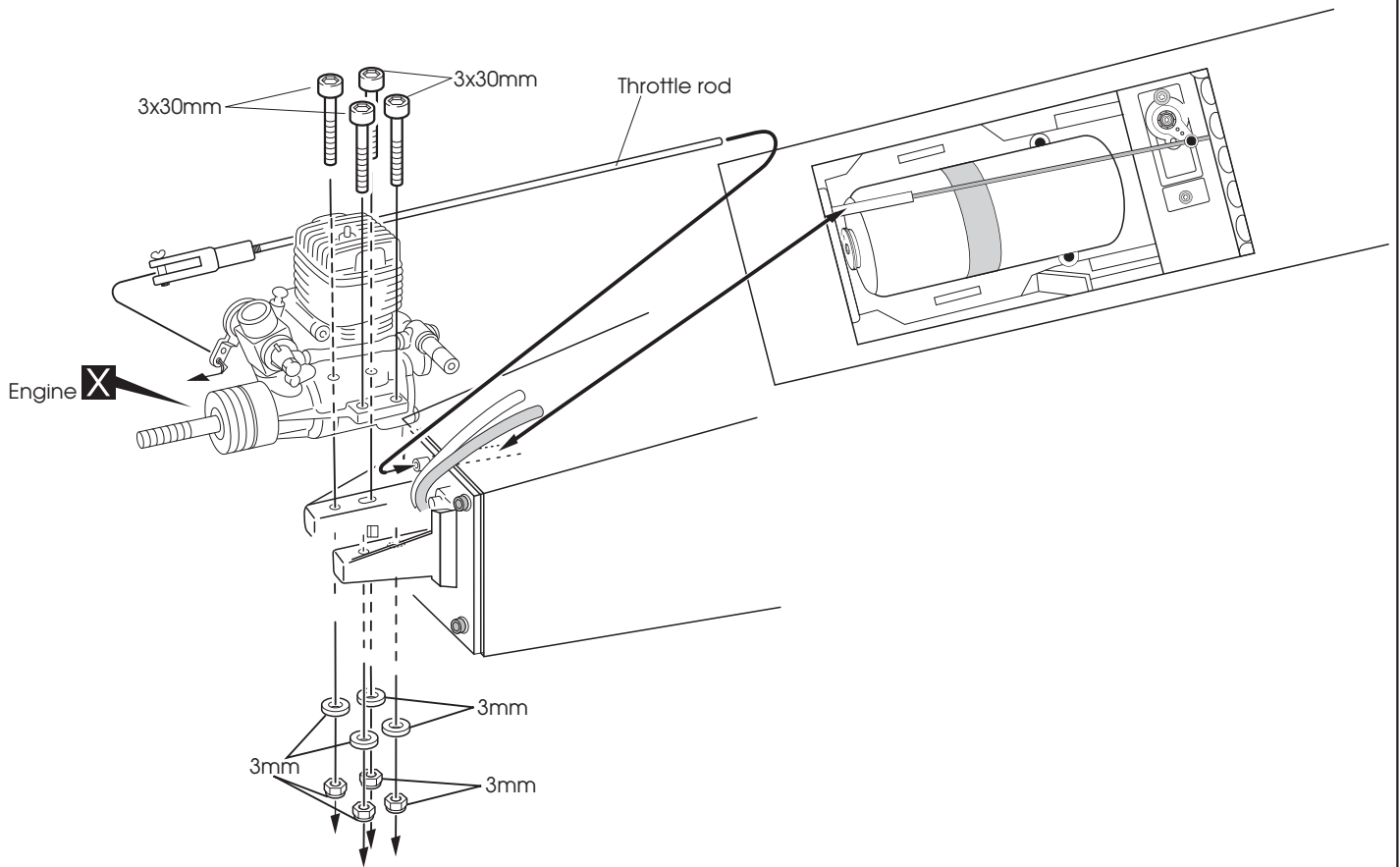
Engine Mount

4x20mm Hex bolt

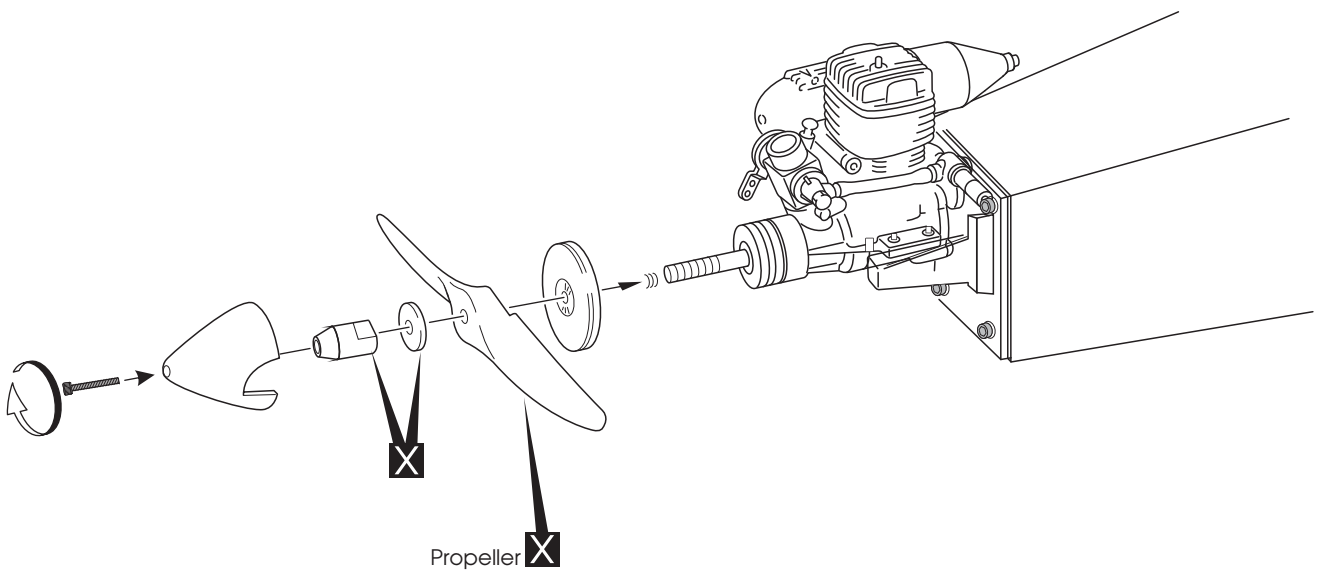


8



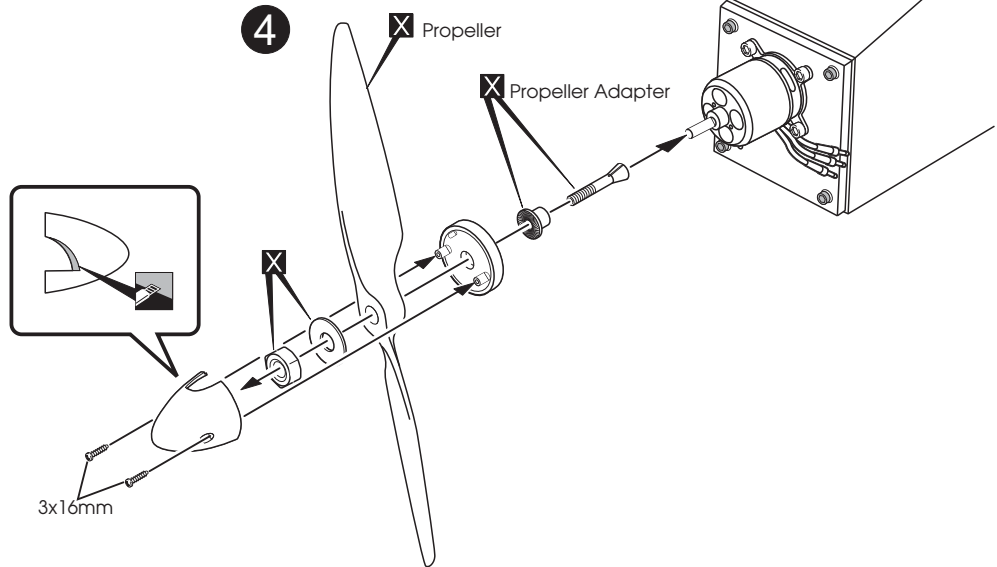
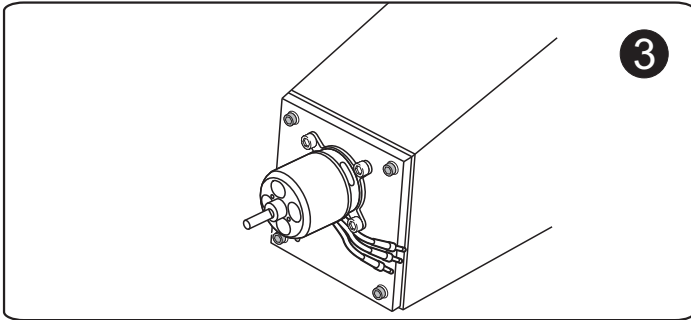
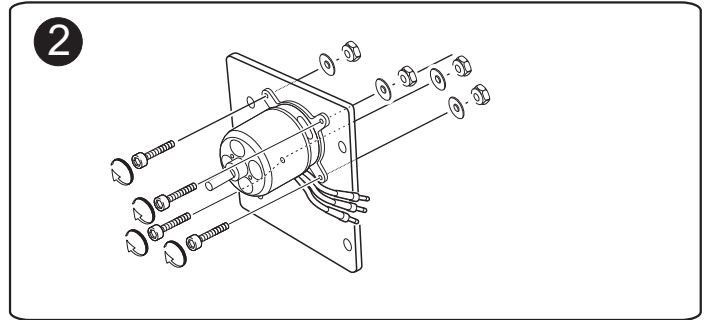
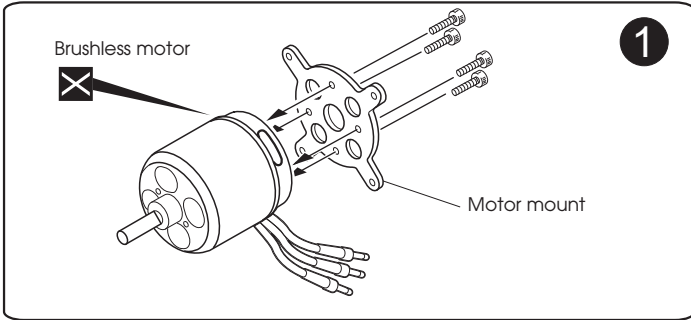


Securely tighten the nut holding the propeller for it not come off when the motor is spinning.  
If coming off, there is a high risk of injury!



# 11 Motor Mount

EP version

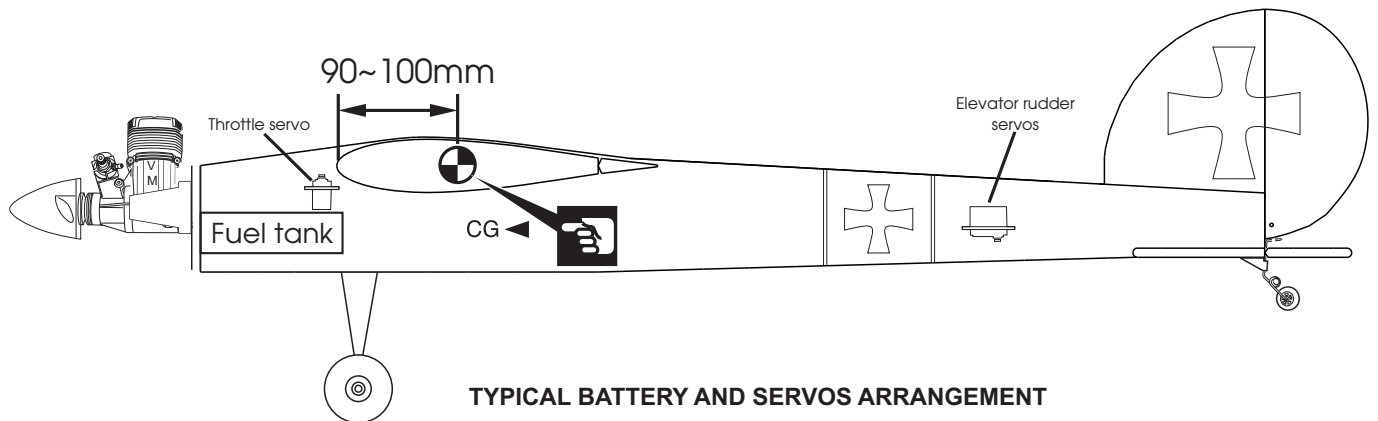


# 12 C of G position

GP/EP version



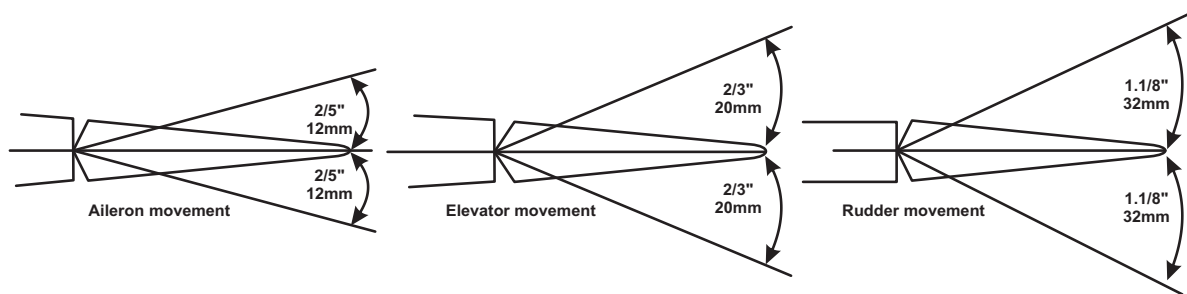
In order to obtain the CG specified, reposition the receiver and other equipment



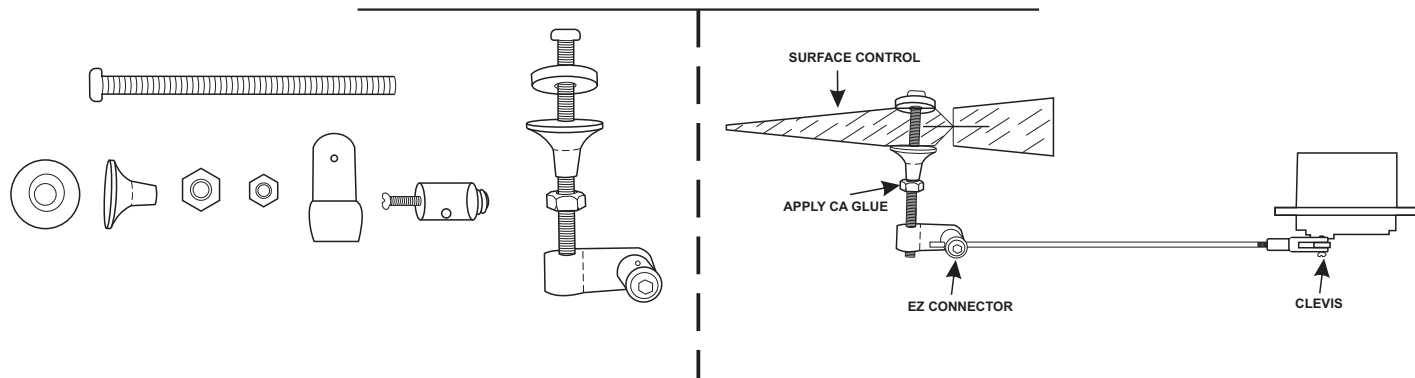
**Warning!**

Do not fly before confirming the correct location of the CG. If the CG is incorrect, you lose control of your airplane which leads to accidents!

## SURFACE CONTROL MOVEMENT



	<b>High rate</b>	<b>Low rate</b>
<b>ELEVATOR</b>	2/3" ( 20mm ) up 2/3" ( 20mm ) down	1/5" ( 6mm ) up 1/5" ( 6mm ) down
<b>RUDDER</b>	1.1/8" ( 32mm ) right 1.1/8" ( 32mm ) left	5/8" ( 16mm ) right 5/8" ( 16mm ) left
<b>ALERON</b>	2/5" ( 12mm ) up 2/5" ( 12mm ) down	1/3" ( 10mm ) up 1/3" ( 10mm ) down



## TYPICAL CONTROL HORN INSTALLATION