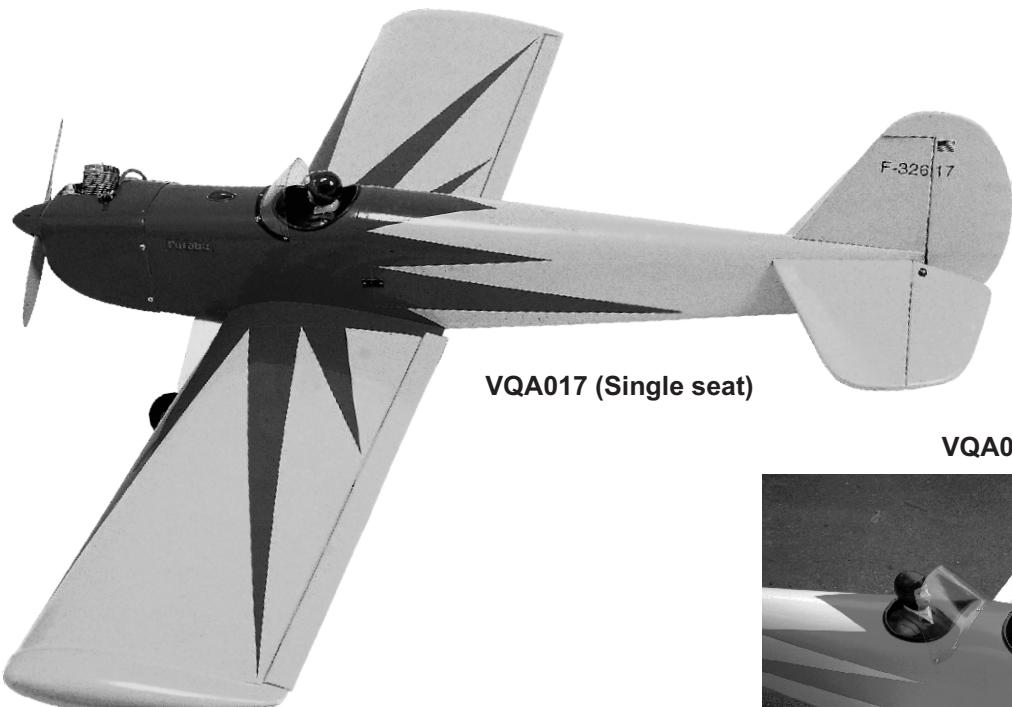


*Radio control model / Flugmodell*

## INSTRUCTION MANUAL / Montageanleitung

# SPACE WALKER



VQA017 (Single seat)

VQA018 (Two seat)



### SPECIFICATION

Wingspan	1580mm
Electric Motor	870 Watt
Glow Engine	7.5cc 2T / 8.5cc 4T
Radio	5 Channel / 5 Servos

### TECHNISCHE DATEN

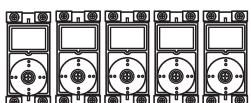
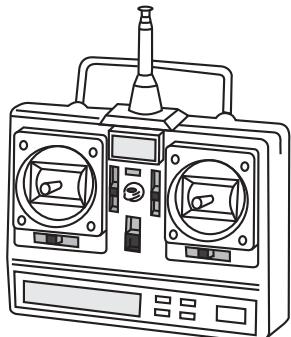
Spannweiter	1580mm
Elektroantrieb	870 Watt
Verbrennerantrieb	7.5cc 2T / 8.5cc 4T
Fernsteuerung	5 Kanal / 5 Servos

**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.



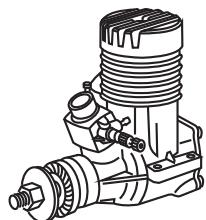
## REQUIRED ITEMS / Zum Betrieb wird benötigt



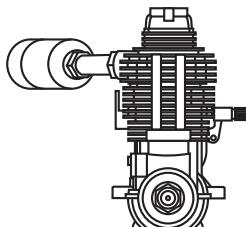
Minimum 4 channel radio  
for airplane with 4 servos  
.Motor control x1 .Aileron x2  
.Elevator x1 .Rudder x1



11x6 for 7.5cc - 2 cycle engine  
11x7 for 8.5cc - 4 cycle engine  
12x7~ 13X6 for Brushless Motor



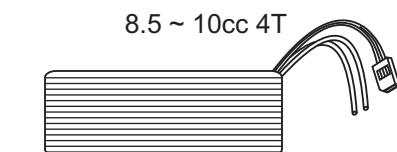
7.5cc 2T



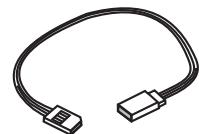
8.5 ~ 10cc 4T



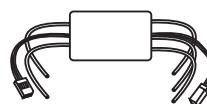
Silicone tube



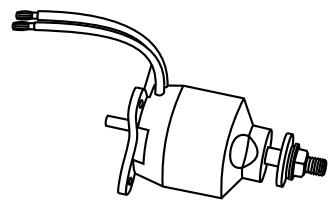
Li-Po Battery 18.5V, 4500mAh



Extension for aileron servo



60A Brushless ASC  
60A Brushless Regler



870 Watt  
Brushless Motor

## GLUE / KLEBSTOFF



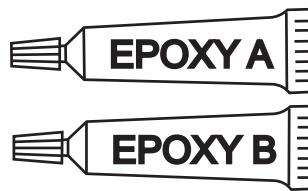
**SILICON**

Silicon sealer

Cyanoacrylate  
Glue



**CA**



**EPOXY A**

**EPOXY B**

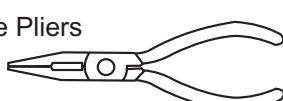
Epoxy Glue ( 5 minute type)

Epoxy Glue (30 minute type)

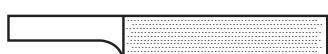
Hobby knife



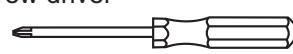
Needle nose Pliers



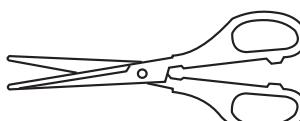
Sander



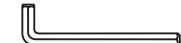
Phillip screw driver



Scissors



Hex Wrench



Awl

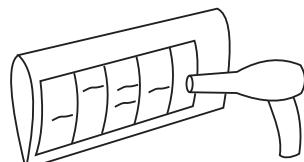


Wire Cutters



Masking tape - Straight Edged Ruler - Pen or pencil - Rubbing alcohol - Drill and Assorted Drill Bits

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 Warumluftgebläse (Haartrockner) um evtl. Falten aus der Folie zu bekommen. Die Kanten können Sie mit einem Bügeleisen behandeln. Nicht zuviel Hitze anwenden



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



Löcher bohren mit dem angegebenen Bohrer (hier 1,5 mm)



Hier besonders aufpassen



Schraffierte Stellen,  
Bespansfolie 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.

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

## CONVERSION TABLE

1.0mm = 3/64"

3.0mm = 1/8"

10mm = 13/32"

25mm = 1"

1.5mm = 1/16"

4.0mm = 5/32"

12mm = 15/32"

30mm = 1-3/16"

2.0mm = 5/64"

5.0mm = 13/64"

15mm = 19/32"

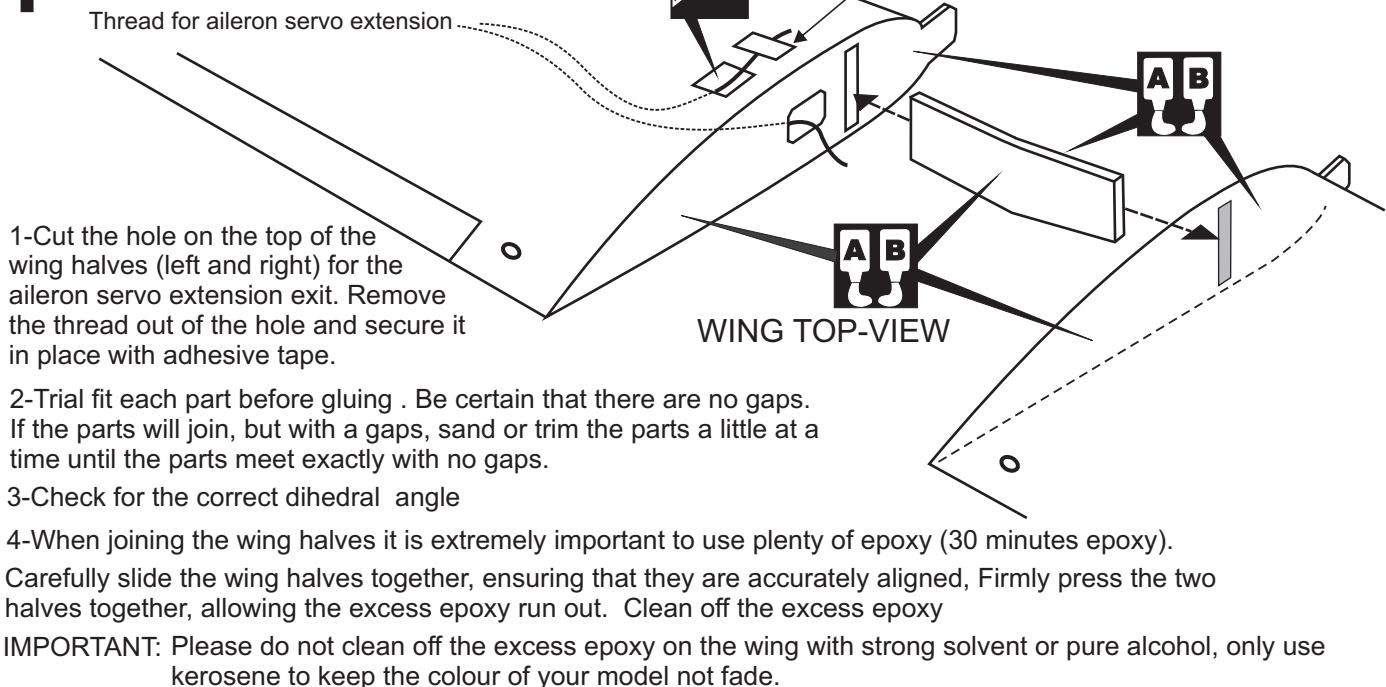
45mm = 1-51/64"

2.5mm = 3/32"

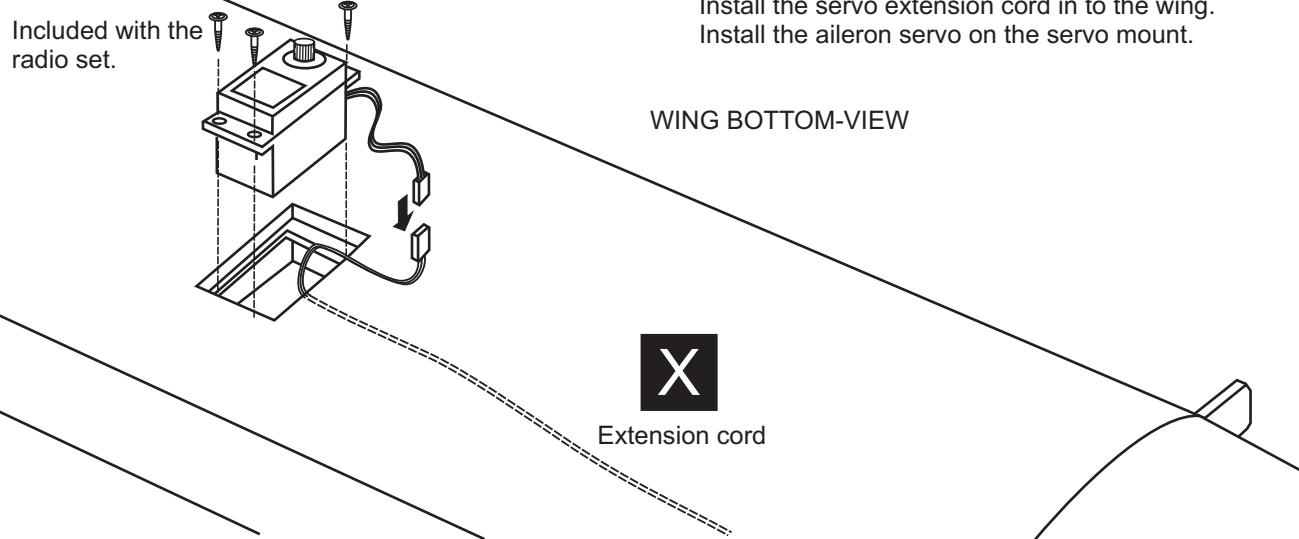
6.0mm = 15/64"

20mm = 51/64"

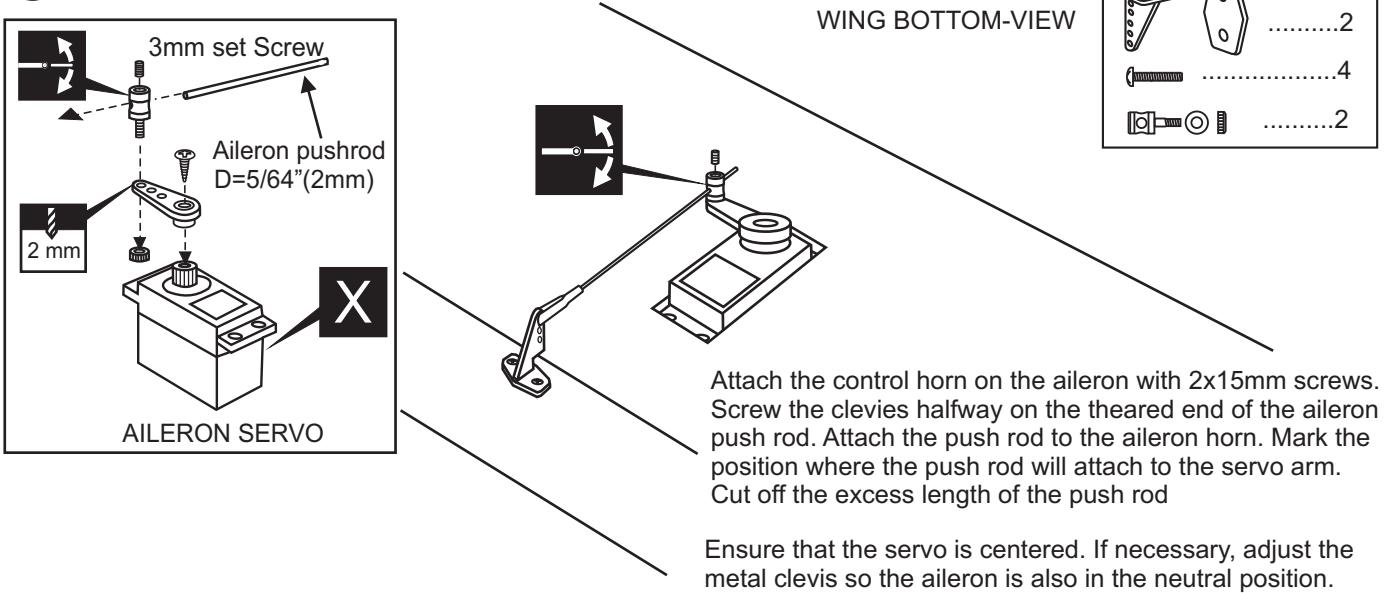
# 1



# 2



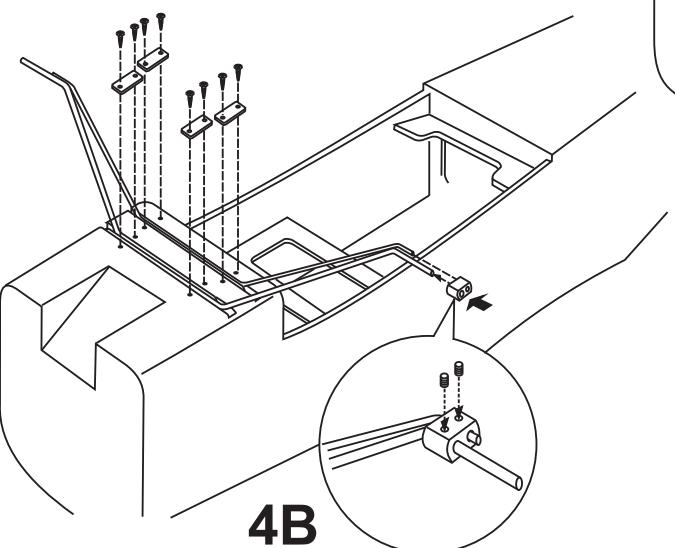
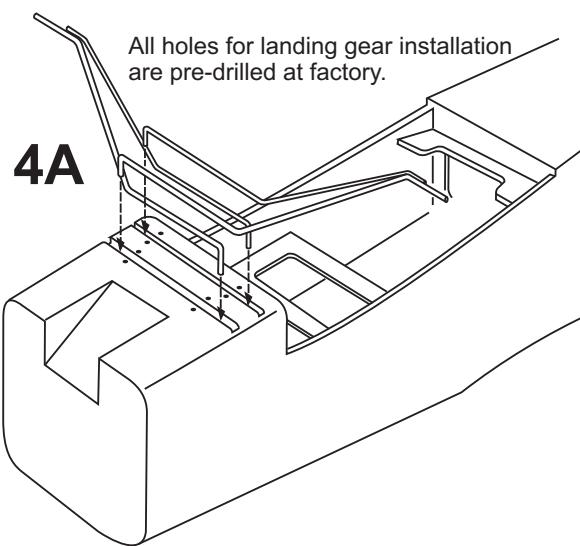
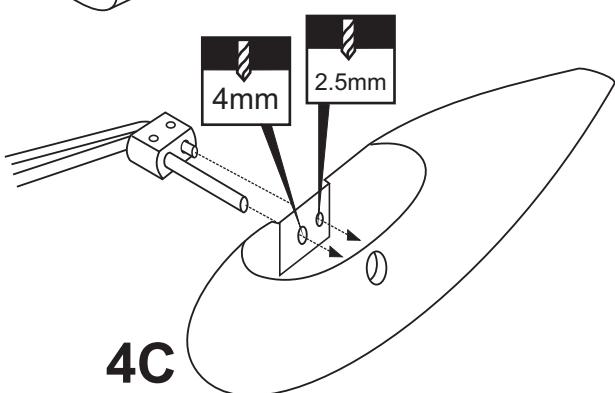
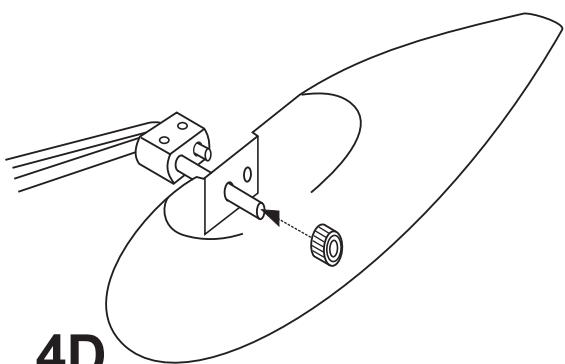
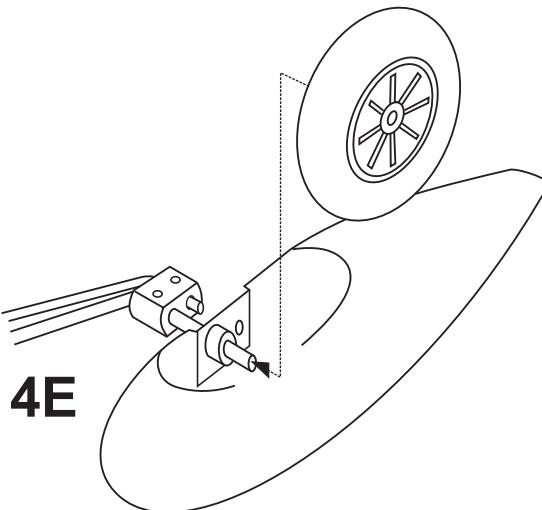
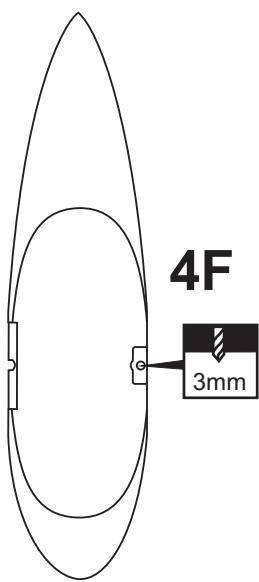
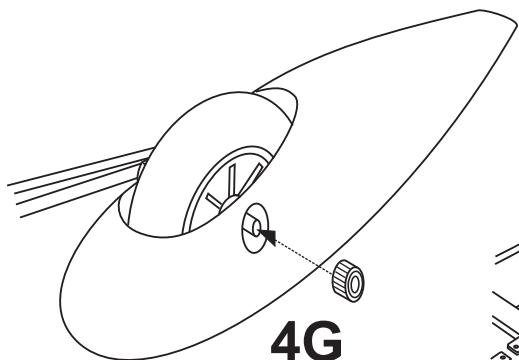
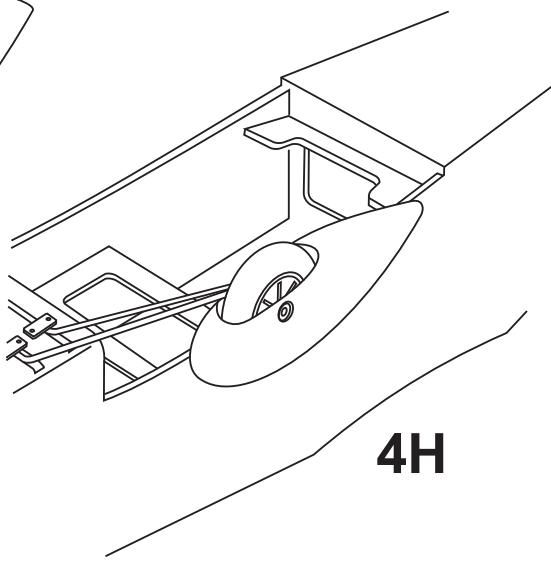
# 3



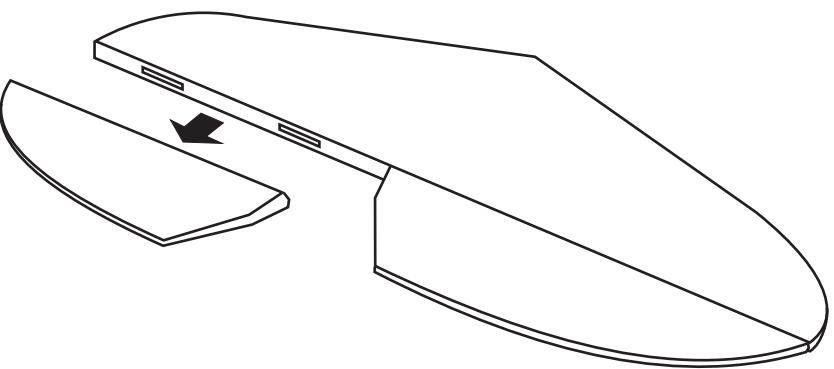
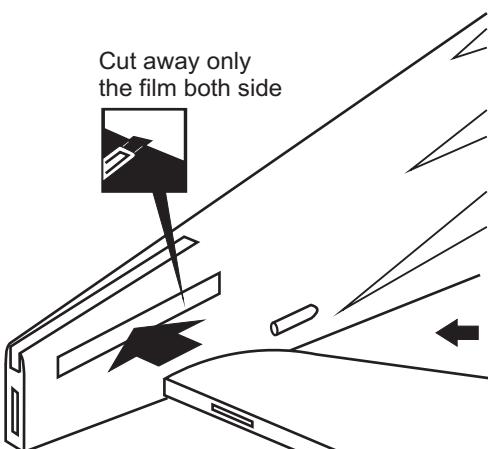
**4**

	4		2x3mm	8
	8		3x10mm	
	2			4

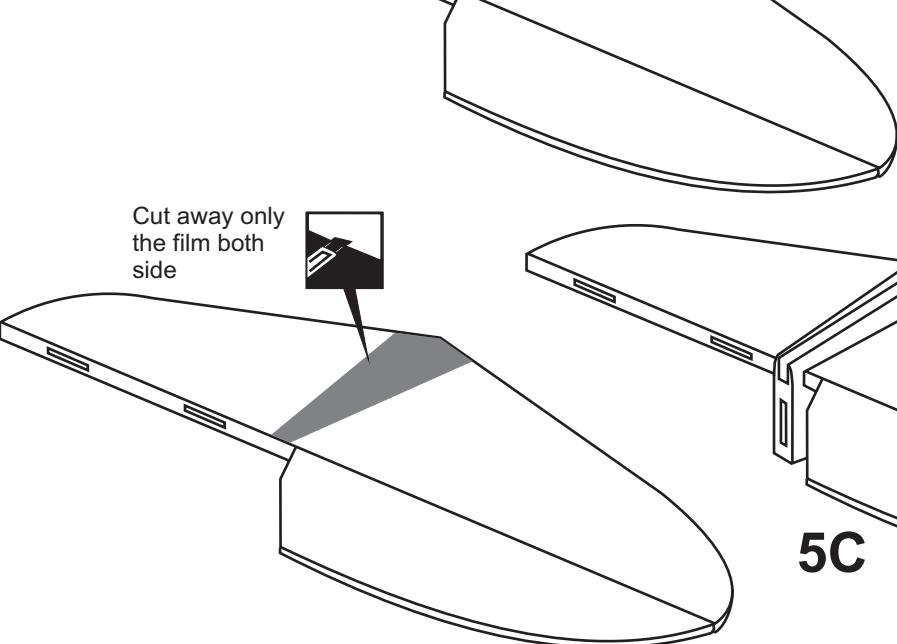
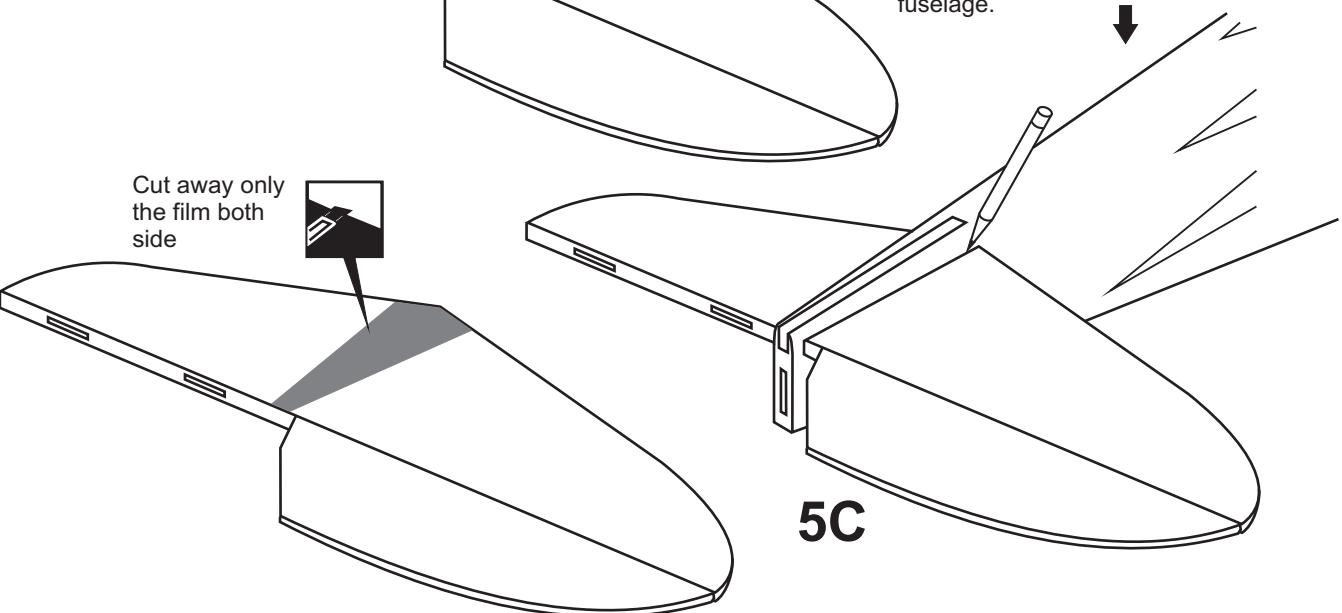
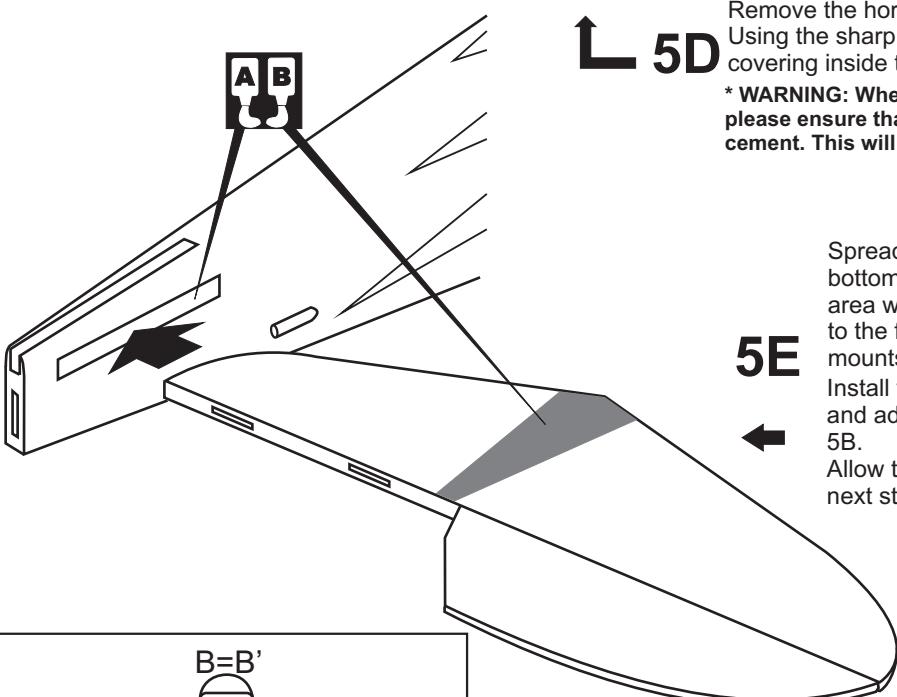
All holes for landing gear installation  
are pre-drilled at factory.

**4A****4B****4C****4D****4E****4F****4G****4H**

Wheel pant  
BOTTOM VIEW

**5****5A** Full the elevator out of the horizontal stabilizer.**5B** Trial fit the horizontal stabilizer in place. Check the alignment of the horizontal stabilizer.

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.

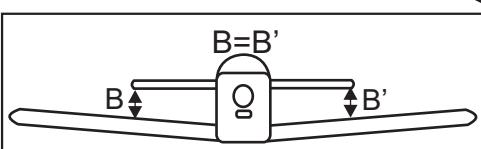
**5C** When you are satisfied with the alignment, use a pencil to trace around the top and bottom of the stabilizer where it meets the fuselage.**5C****5D**

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

\* **WARNING:** When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.**5E**  
Spread epoxy (30 minute) onto the top and bottom of the horizontal stabilizer along the area where the covering was removed and to the fuselage where the horizontal stabilizer mounts.

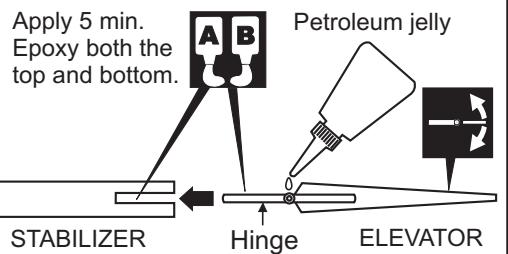
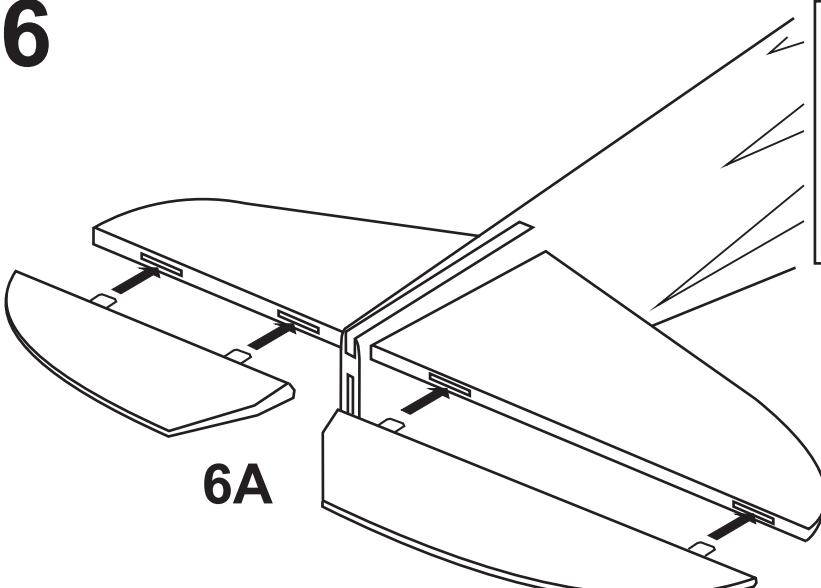
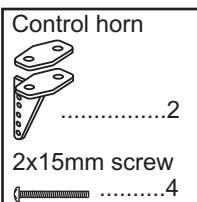
Install the horizontal stabilizer into the fuselage and adjust the alignment as described in step 5B.

Allow the epoxy to cure before proceeding to next step.

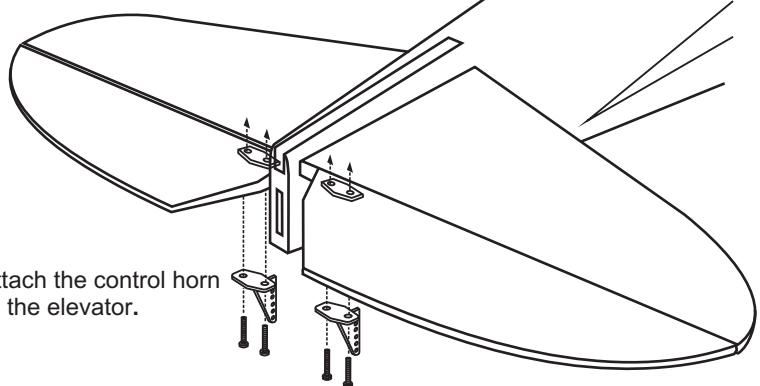
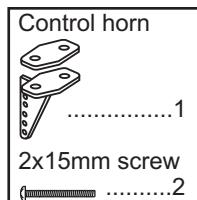


! Securely glue together If coming off during fly, you lose control of your air plane.

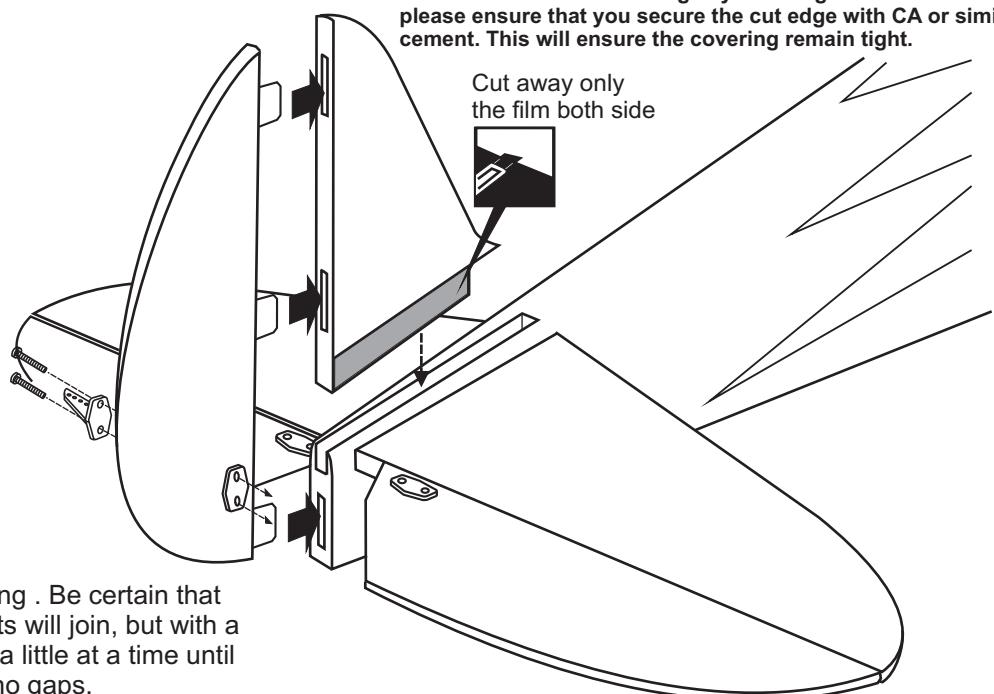
Do the same way with the vertical stabilizer.

**6****6A**

**6B** Attach the control horn on the elevator.

**7**

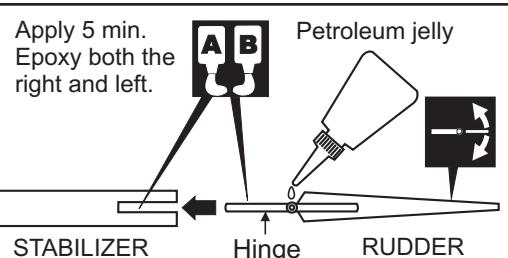
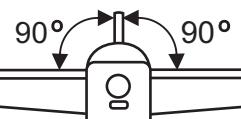
\* WARNING: When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.

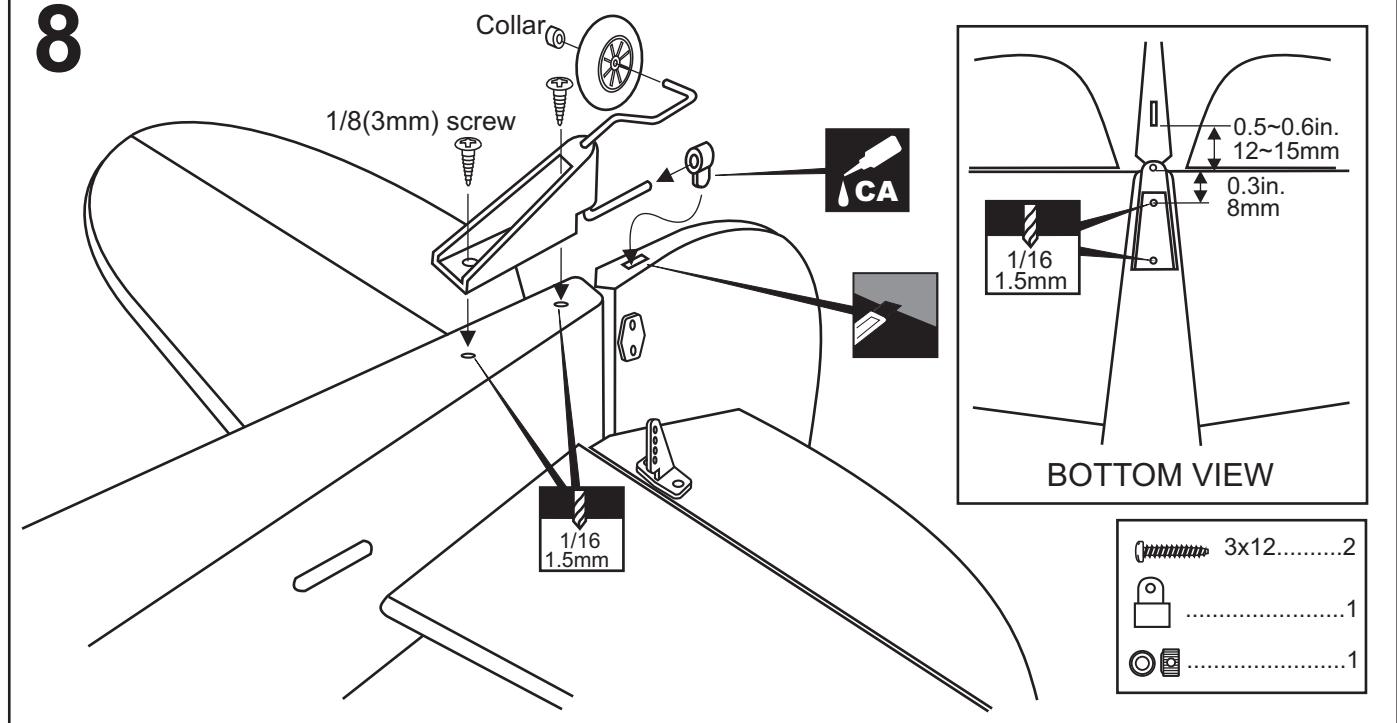


Trial fit each part before gluing . Be certain that there are no gaps. If the parts will join, but with a gaps, sand or trim the parts a little at a time until the parts meet exactly with no gaps.

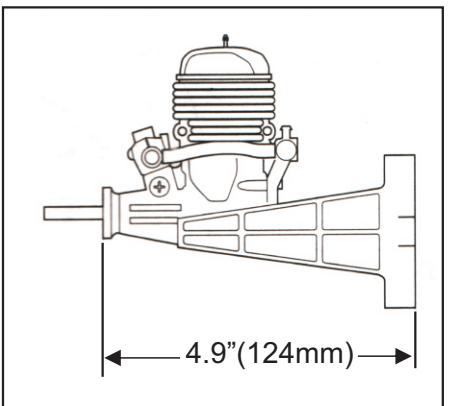
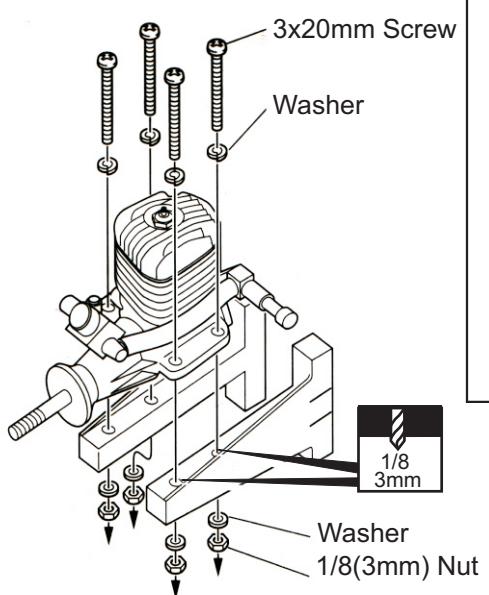
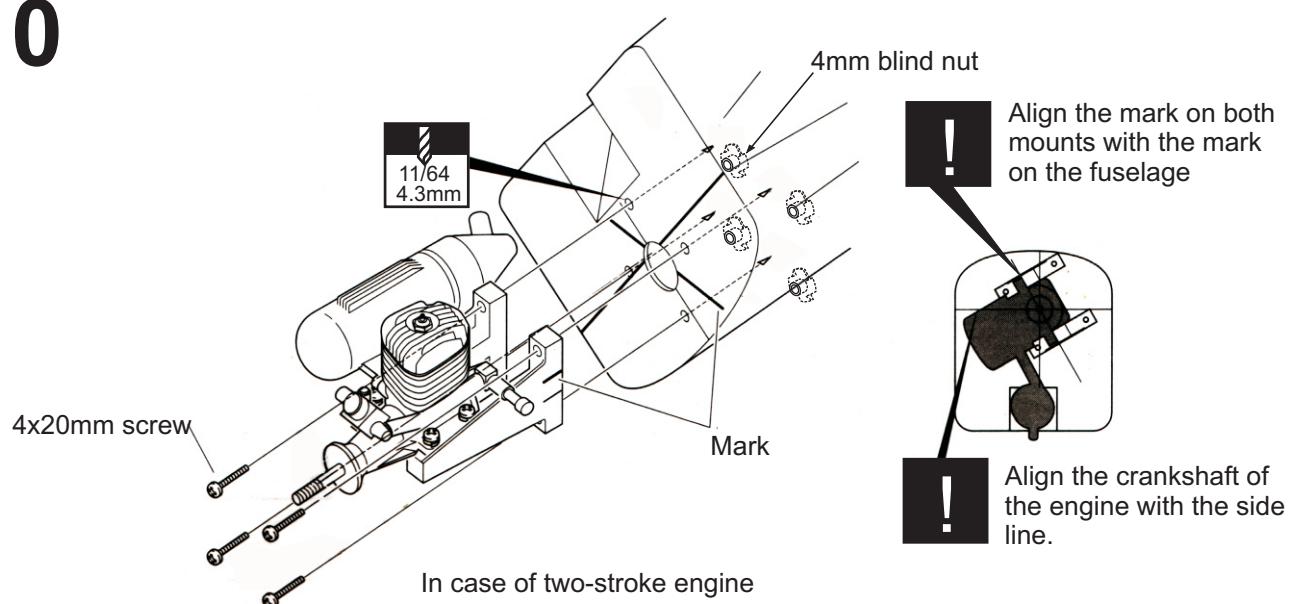
When joining the stabilizer it is extremely important to use plenty of epoxy (30 min.)or CA glue (thin type)

Carefully slide the stabilizer into the fuselage, ensuring that they are accurately aligned,

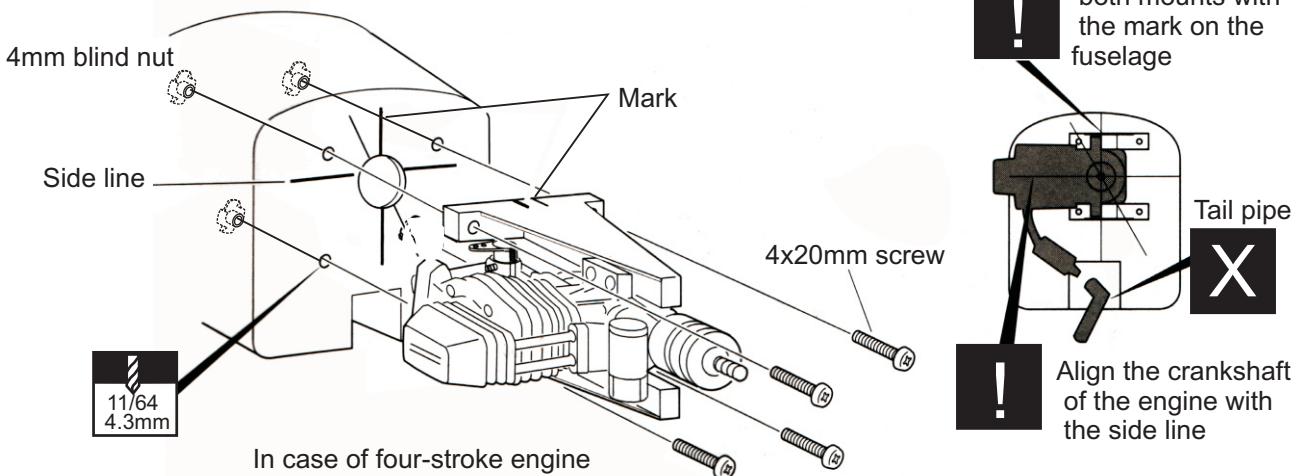


**8****9**

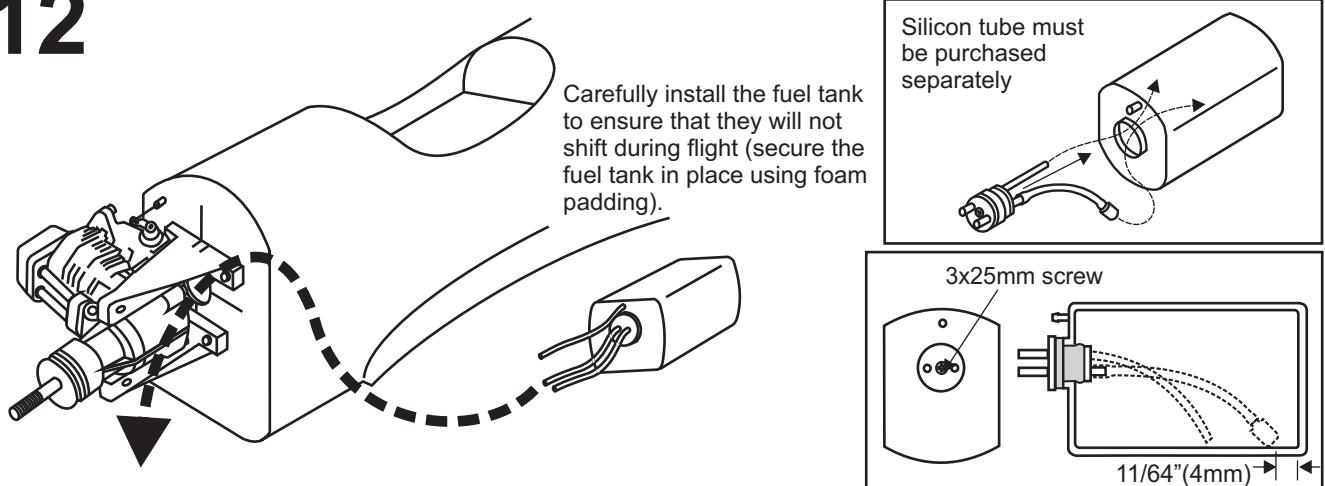
3x20mm screw	4
3mm Washer	4
3mm Nut	4

**10**

# 11

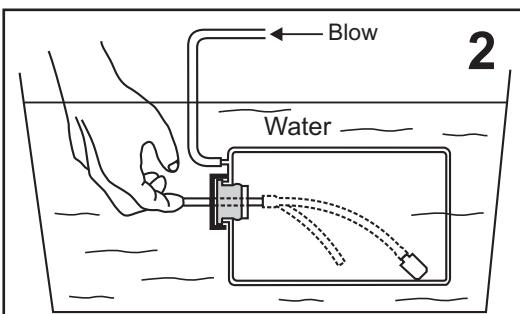


# 12



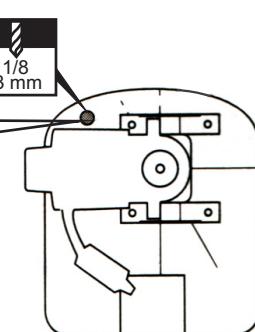
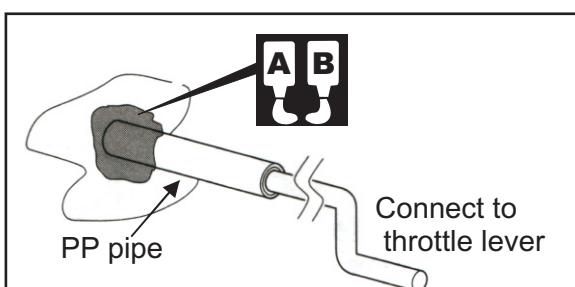
After confirming the direction . Insert this assembly, clunk end first, into the fuel tank and tighten and screw the fuel tank cap on firmly.

Ensure that the fuel tank clunk does not touch the rear of the fuel tank.

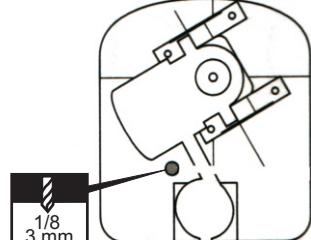


Checking for leaks - block the vents and blow into the feed - if in doubt submersing the tank in a blow of water will show up any problems.

# 13



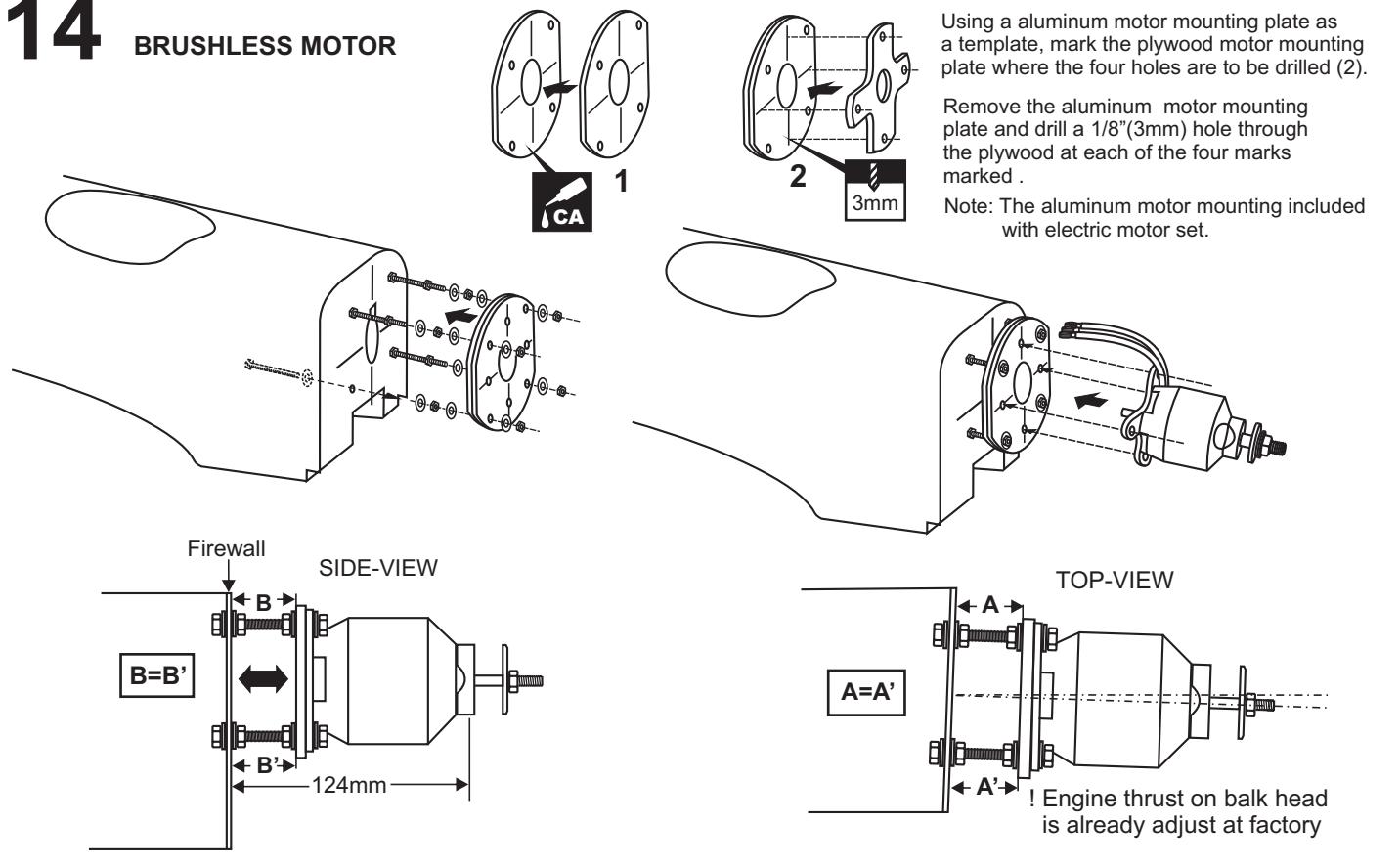
In case of 4T engine



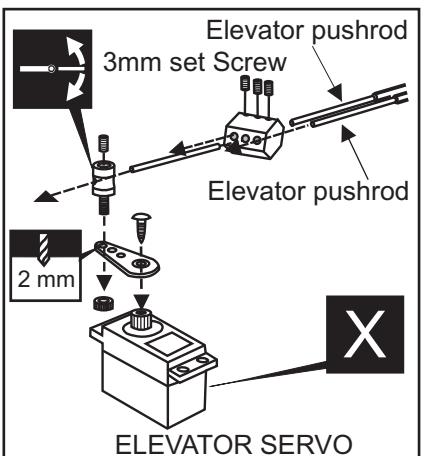
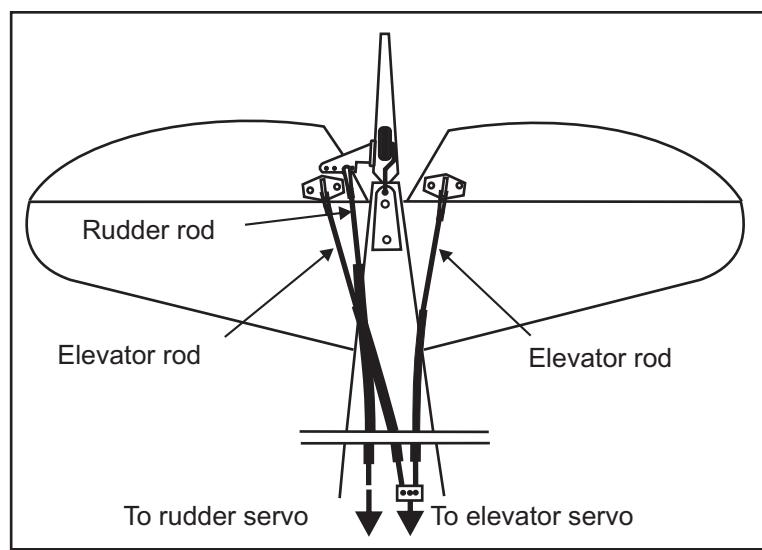
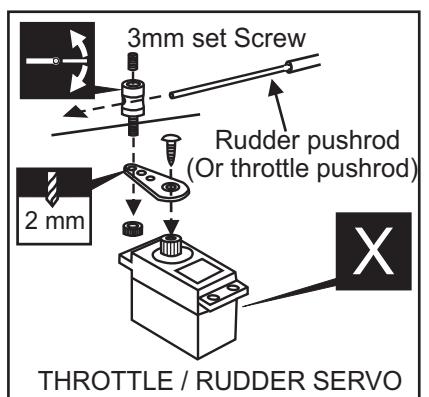
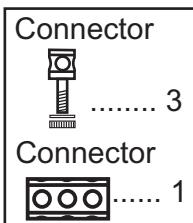
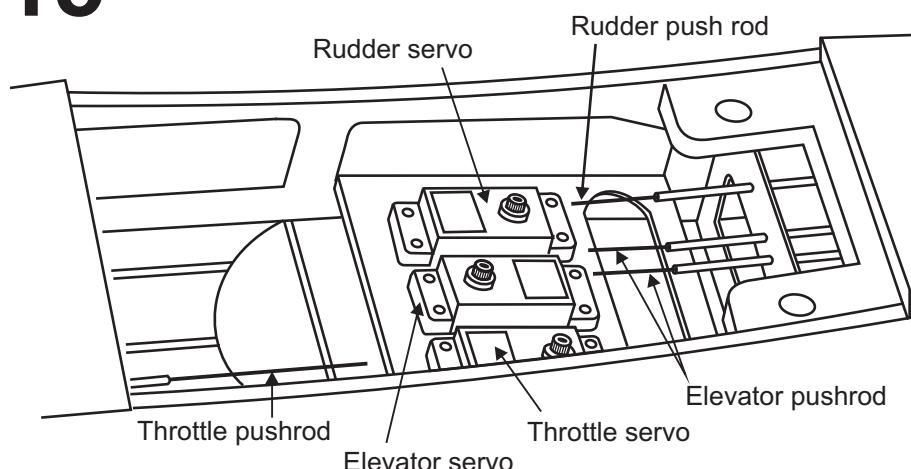
In case of 2T engine

# 14

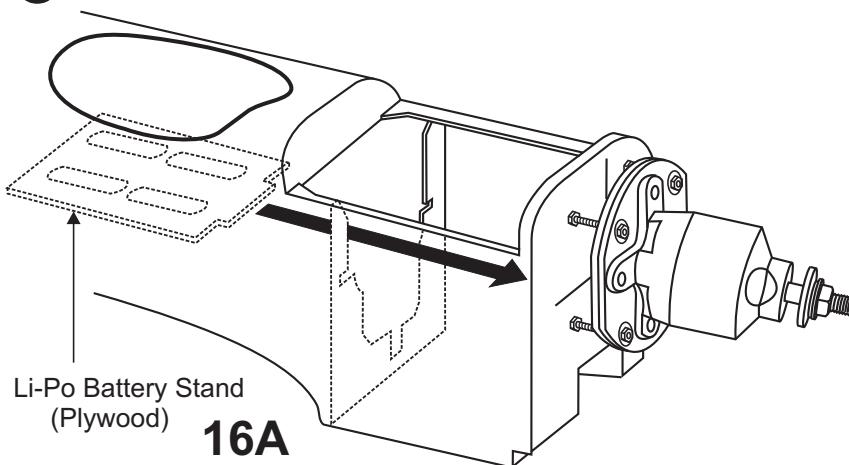
## BRUSHLESS MOTOR



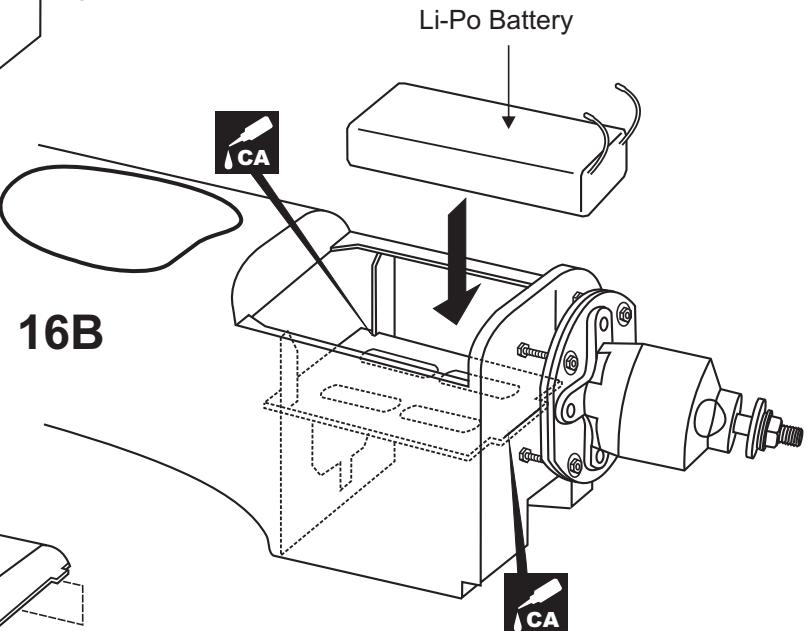
# 15



**16**



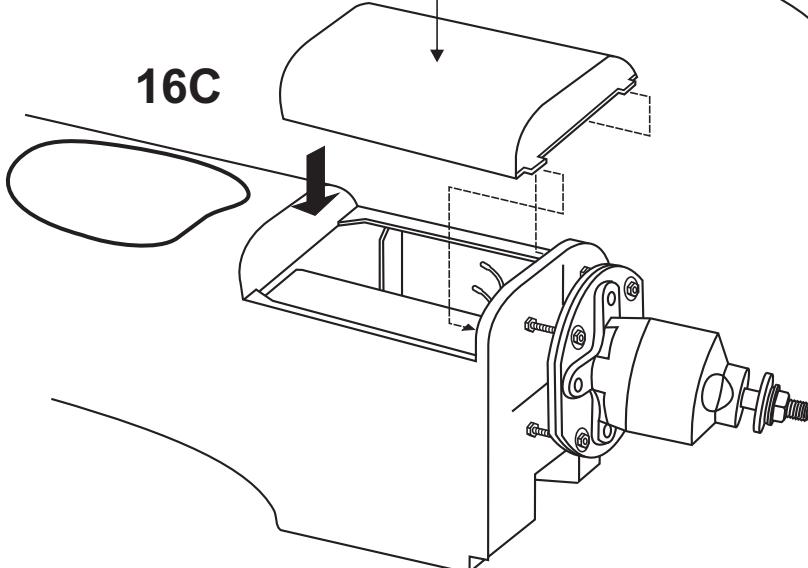
**16A**



**16B**

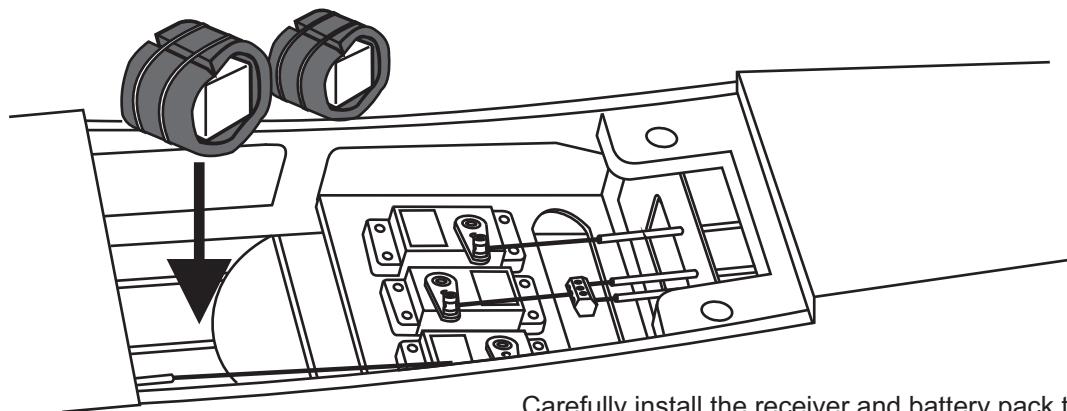
Magnetic top hatch

**16C**



Carefully install the Li-Po battery pack to ensure that they will not shift during flight.

**17**

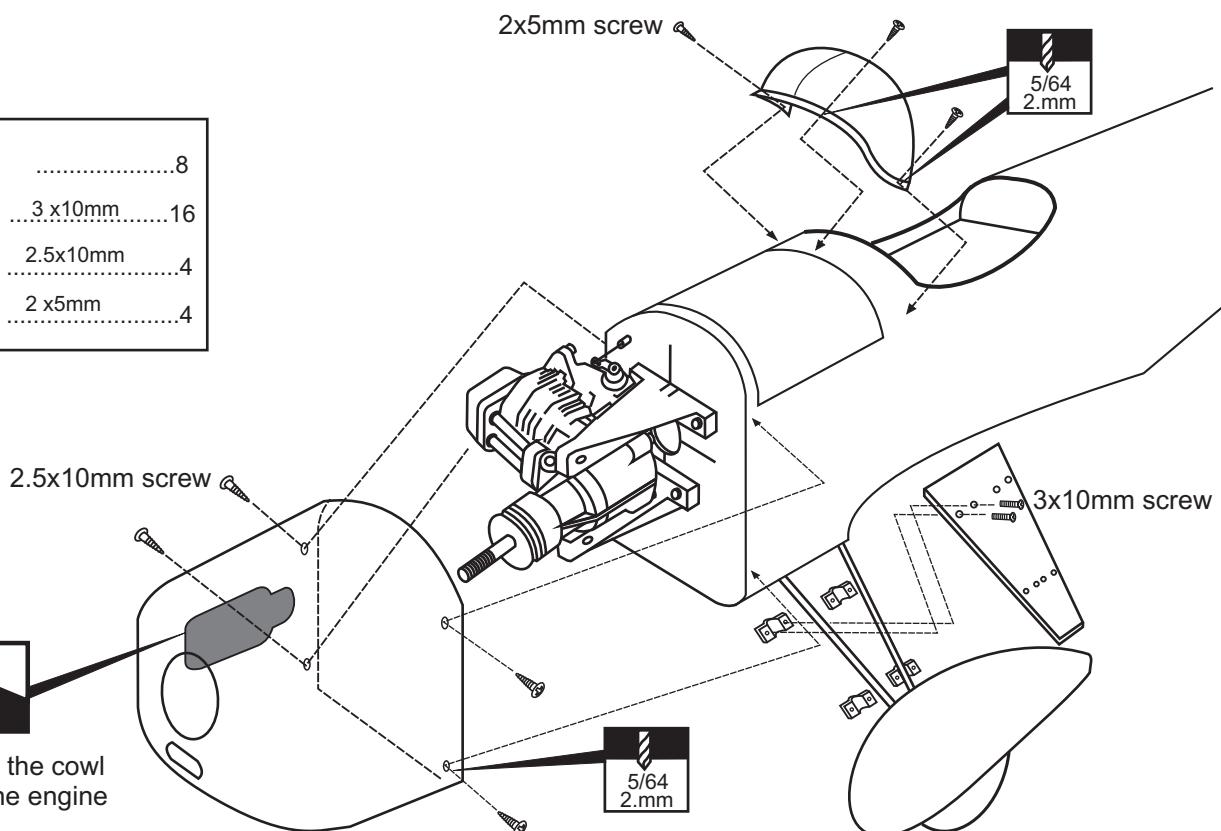


Shift the location of the receiver and batter pack aneeded to obtain the specified CG

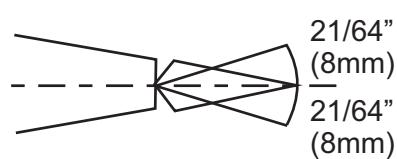
Carefully install the receiver and battery pack to ensure that they will not shift during flight

# 18

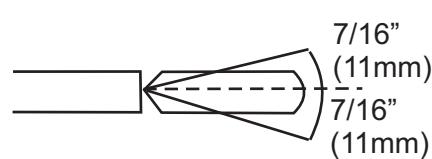
	.....	8
	3 x10mm	16
	2.5x10mm	4
	2 x5mm	4



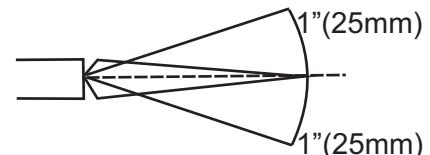
# 19 Control surface



AILERON STROKE

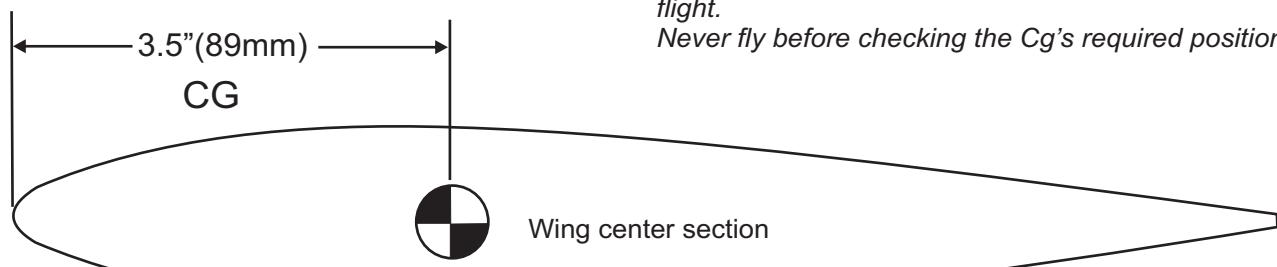


ELEVATOR STROKE



RUDDER STROKE

# 20 Balance



In order to obtain the CG specified, reposition the receiver and power pack

## BEFORE FLYING CHECK EVERYTHING

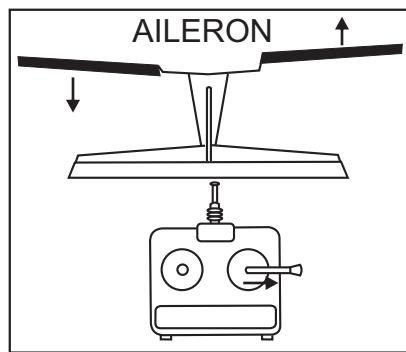
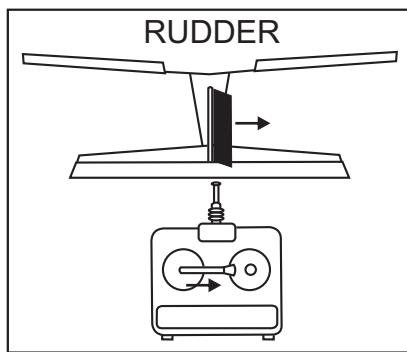
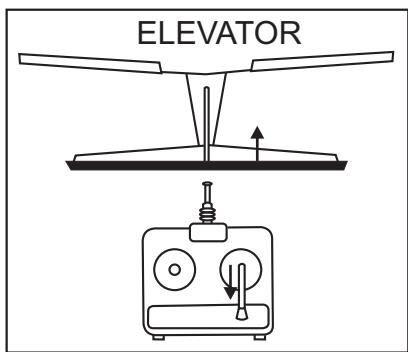
Before each flight, inspect the airplane for any loose parts. Check the hinges, make sure the pushrods are still firmly attached, and check the engine mounting bolts. In general, check everything on the plane that might possibly come loose.

## CHECK THE FREQUENCY BEFORE FLYING

## DO NOT FLY NEAR A POWER LINE

The power lines cause radio interference, so avoid flying near them.

**Check the operation and direction of the elevator, rudder, ailerons and throttle:**



### **CAUTIONS FOR SAFETY**

Ensure the airfield is spacious enough.

Ensure the spinner and propeller are securely attached. Immediately disure defective propeller as well as deformed spinners.

Adjust the engine always from behind, but never from infront or the sides as rotating propeller may badly injure you.

Do not allow watching people to get too close to a rotating propeller.

Fully extend the transmitter and receiver antenna.

Always take off and landing your airplane into the wind.

Switch off the transmitter and receiver after landing.

Do not fly your airplane above people standing around.

### **WARNING**

Do not put in a large-than recommended engine. A bigger engine does not necessarily mean better performance.

**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.