

# **RADIO CONTROL MODEL**

*Semi Scale – Almost ready to fly*

**MITSUBISHI A6M5**

# **ZERO**



## **ASSEMBLY INSTRUCTION**

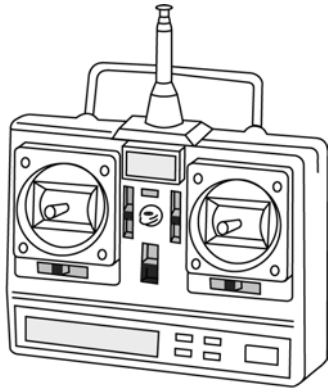
**.40 - .46 CLASS – 2 CYCLE ENGINE**

**.60 - .70 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.



## REQUIRED FOR OPERATION (Purchase separately)

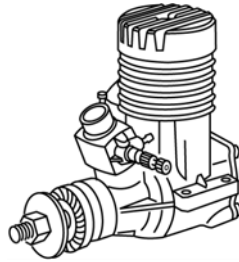


Minimum 4 channel radio for airplane (with 4 standard servos)  
5<sup>th</sup> channel for retract (with retract servo)

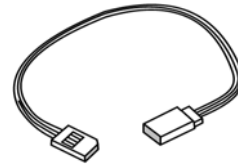


For 40 ~ 46 ( 2 cycle engine)  
10.5x6 ~ 11x6

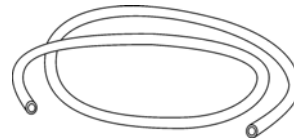
For 60 ~ 70 (4 cycle engine)  
12x6 ~ 13x7



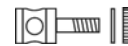
40 ~ 46 2 cycle  
60 ~ 70 4 cycle



Extension for aileron servo



Silicon tube



Linkage Stopper

## GLUE (Purchase separately)



Cyanoacrylate Glue



Silicon Glue



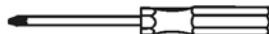
Epoxy Glue (30 minutes type)

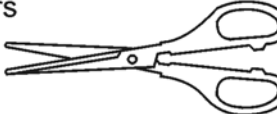
## TOLLS REQUIRED (Purchase separately)

Hobby knife 


Needle nose Pliers 

Sander 

Phillip screw driver 

Scissors 

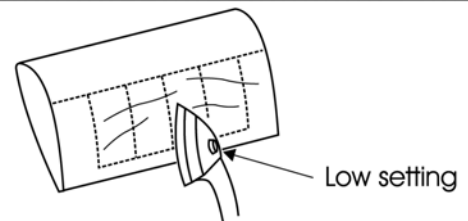
Hex Wrench 

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 necessary. If it is too high, you may damage the film



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



Pay close attention here.



Cut of shaded portion



Ensure smooth non-binding movement while assembling



Apply epoxy glue



Apply instant glue (CA glue, super glue).




Assemble left and right sides the same way.



Must be purchased separately.

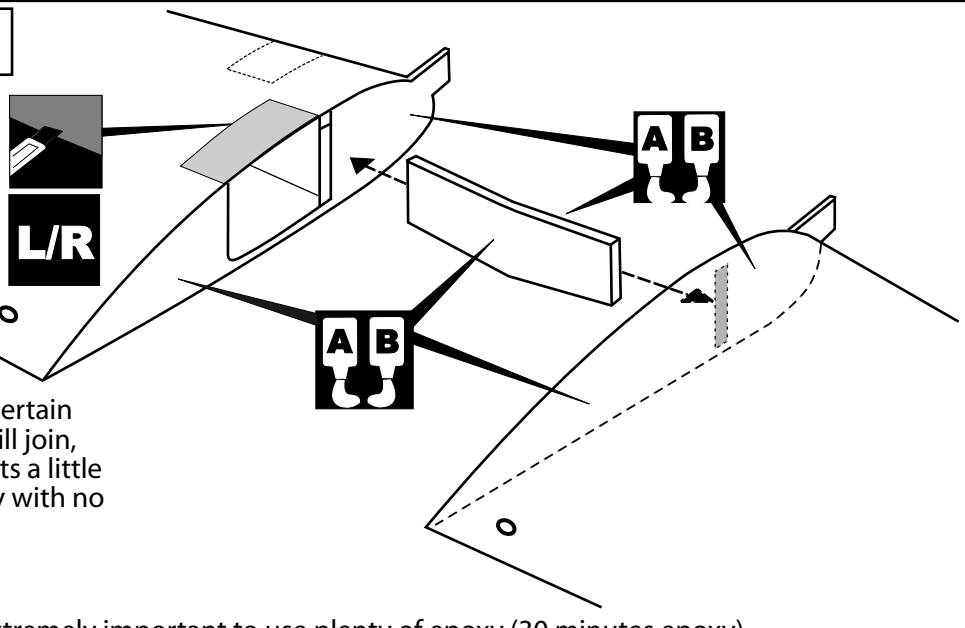
# 1- Joining the wing

Use epoxy glue to bury the opening



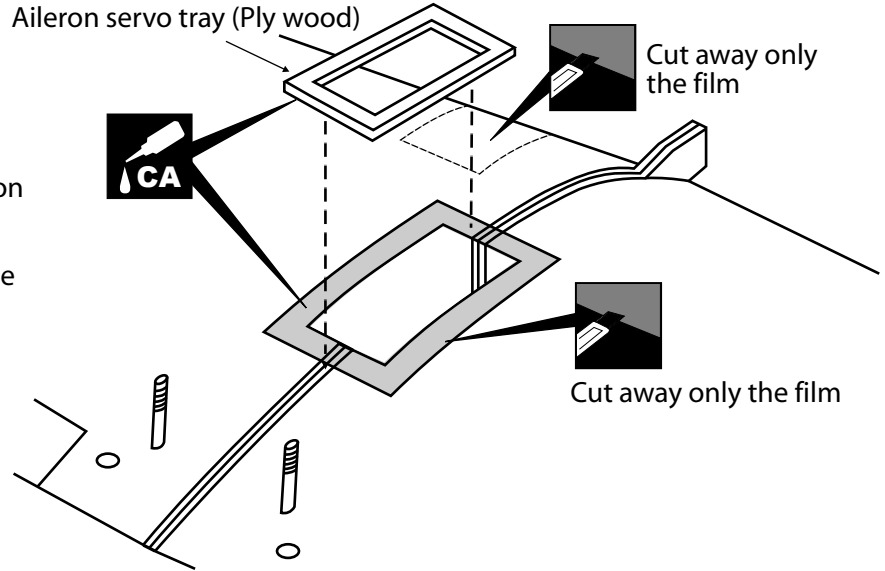
! Make sure to glue securely. If not properly glued, a failure in flight may occur.

- 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.
- Check for the correct dihedral angle
- When joining the wing halves it is extremely important to use plenty of epoxy (30 minutes epoxy).
- Carefully slide the wing halves together, ensuring that they are accurately aligned, Firmly press the two halves together, allowing the excess epoxy run out. Using rubbing alcohol and paper towel, clean off the excess epoxy.

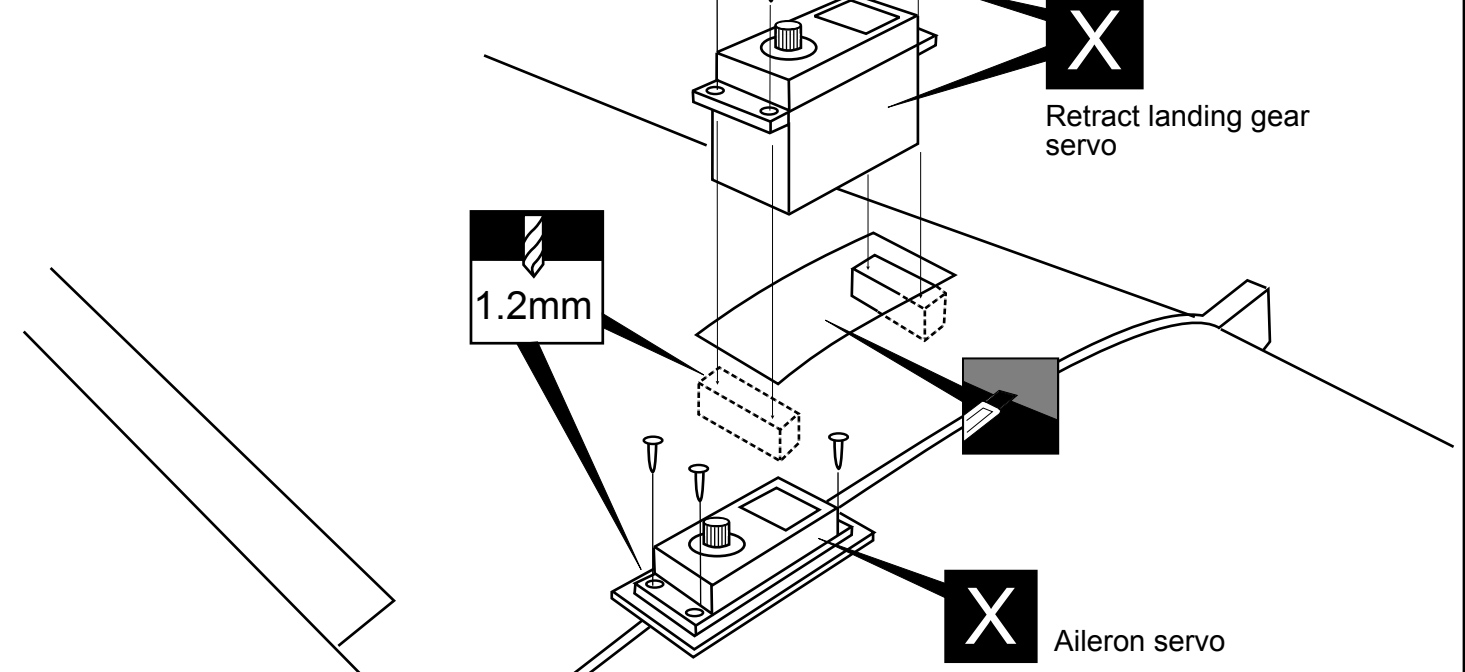


# 2- Aileron servo tray

- Using the aileron servo tray as a template, trace around the outside edge of the aileron servo tray and then remove it.
- Using a sharp hobby knife, cut away the covering inside the lines. Not to cut into the wood.
- Apply the aileron servo tray in place and secure the servo tray with CA glue.

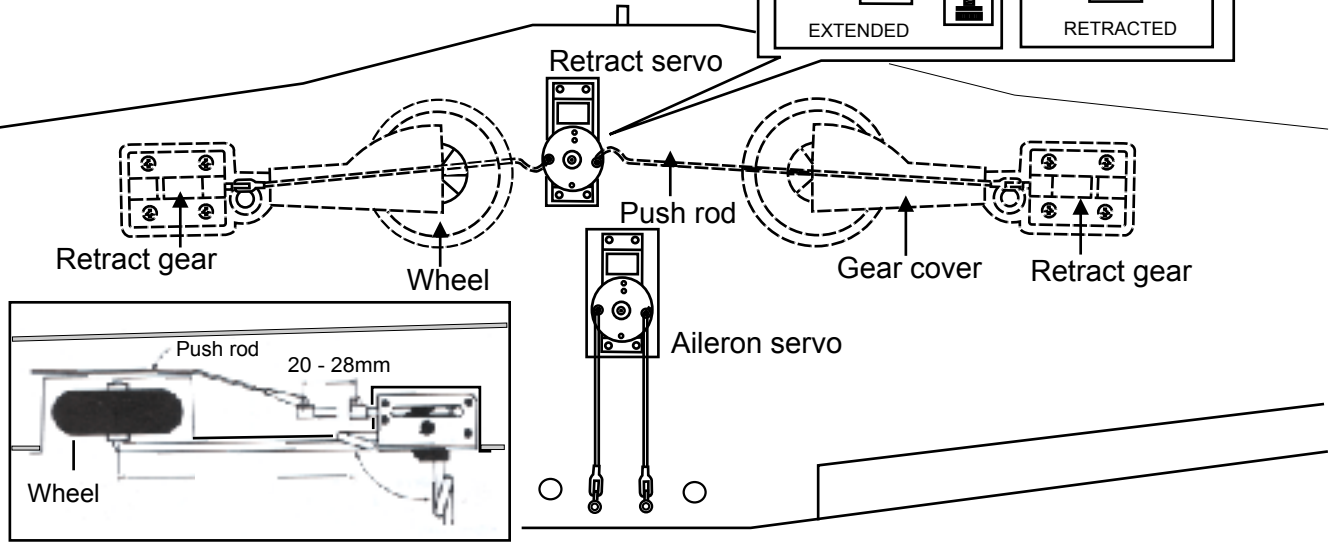
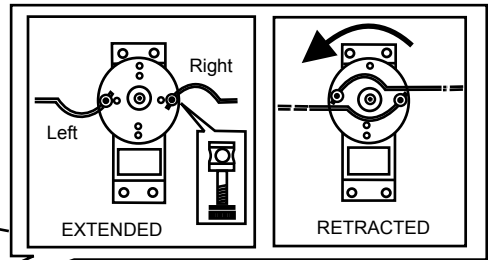


# 3- Servos installation

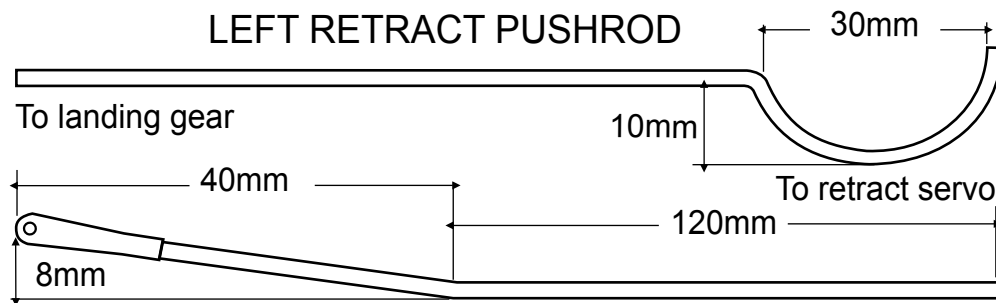
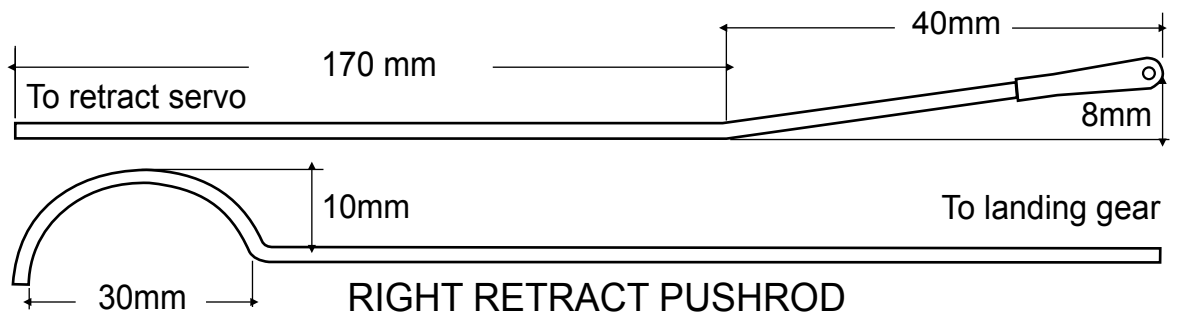


## 4- Retract landing gear Installation

Wing Top-view



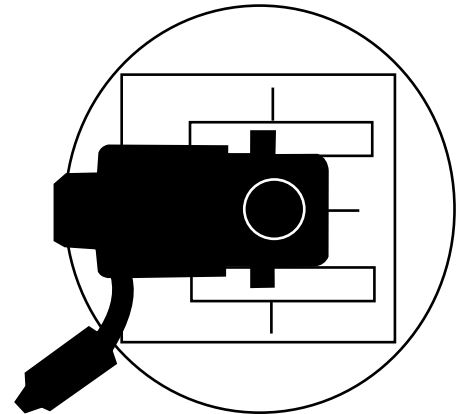
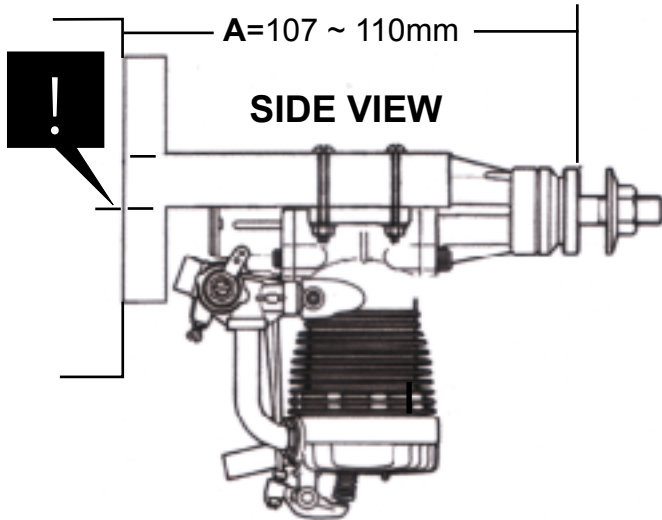
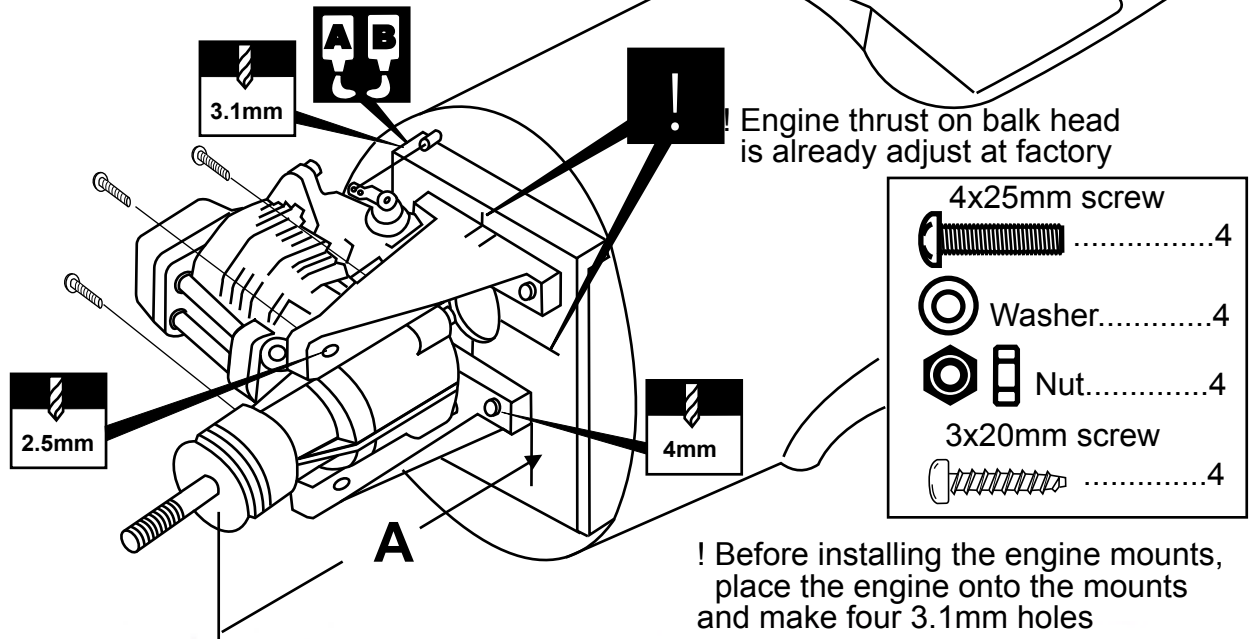
## Retract Push rod



- |  |                           |  |   |
|--|---------------------------|--|---|
| 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              |

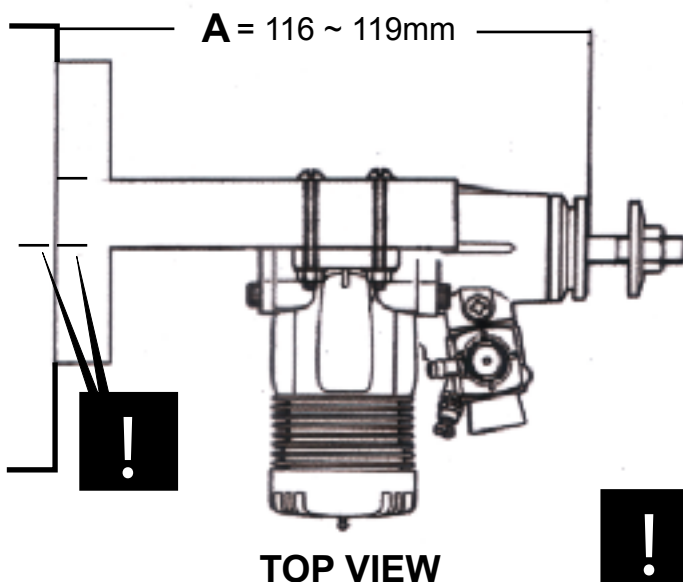


## 8- Engine: Four-stroke engine

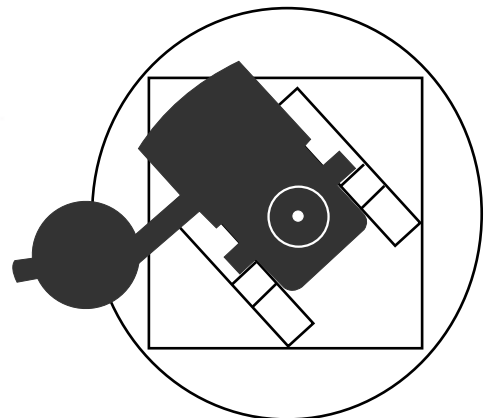


IN CASE OF 4CYCLE ENGINE  
FRONT VIEW

## 9- Engine: Two-stroke engine



FRONT VIEW

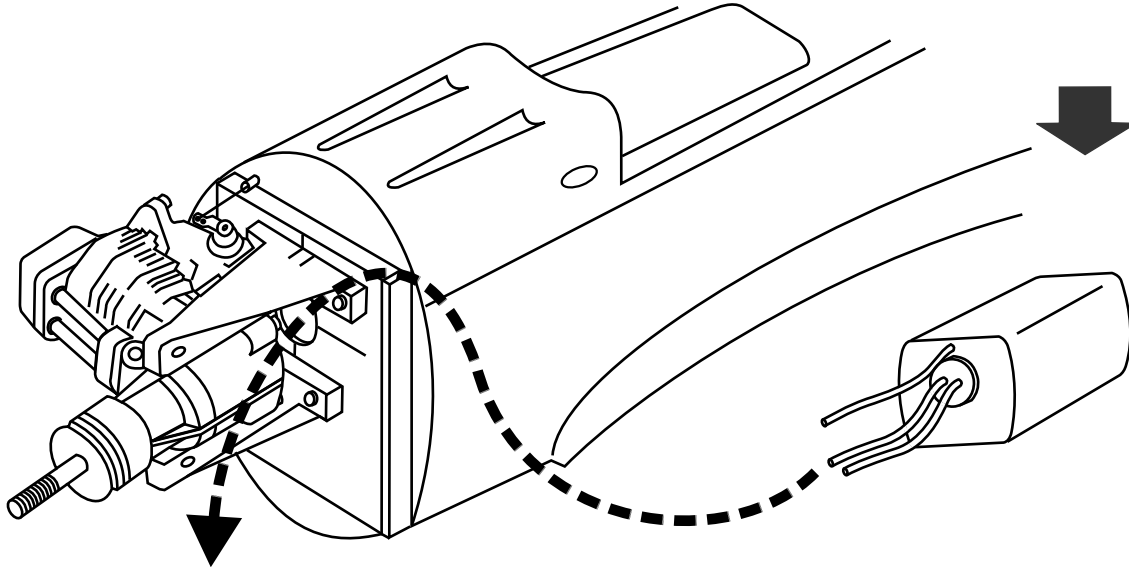
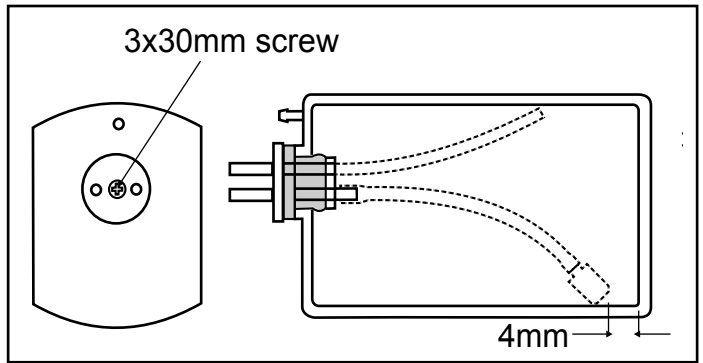
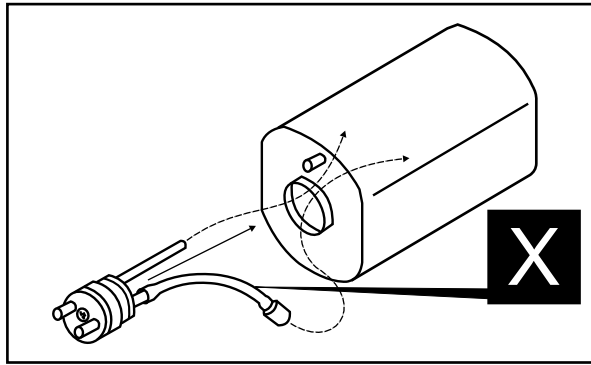


IN CASE OF 2 CYCLE ENGINE



Determine the angle for the engine mounts so the muffler will not contact the fuselage or use silencer extension adaptor

## 10- Fuel tank



## 11- Cowling

2x10mm screw

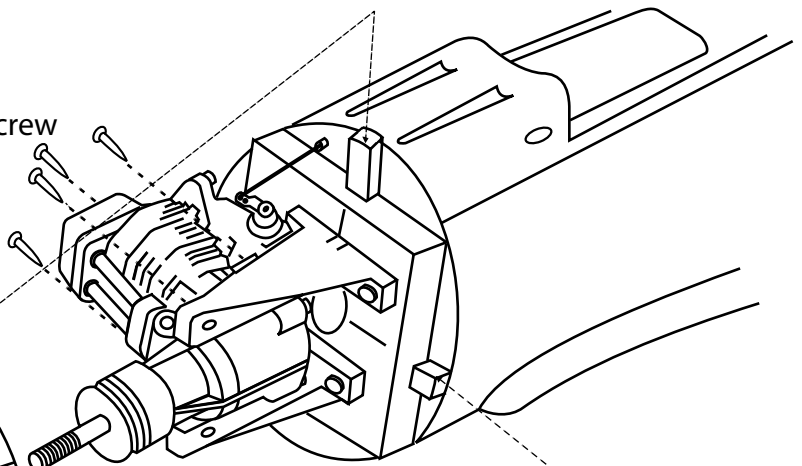
.....3

3x20mm screw

.....4



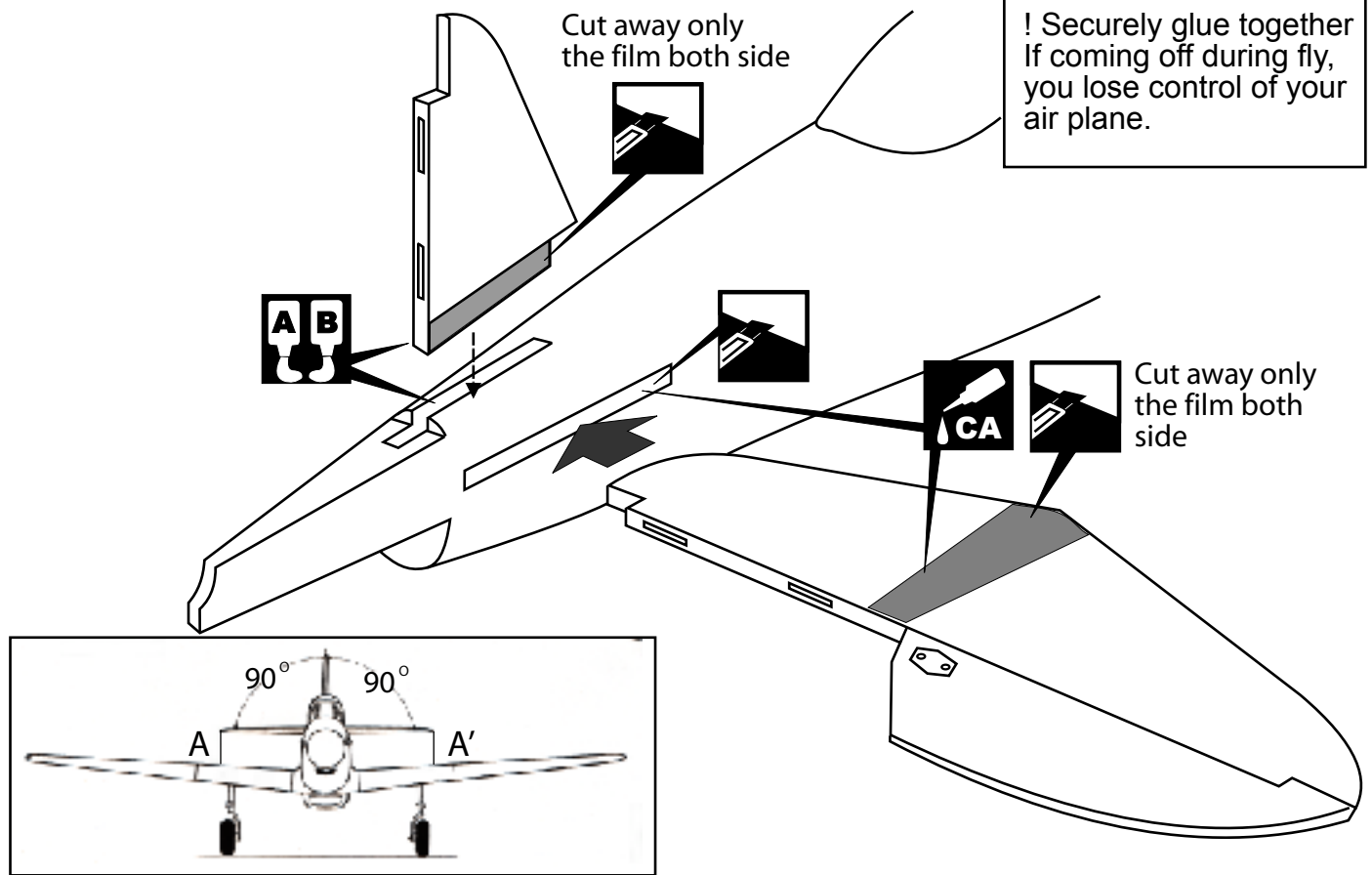
3x20mm screw



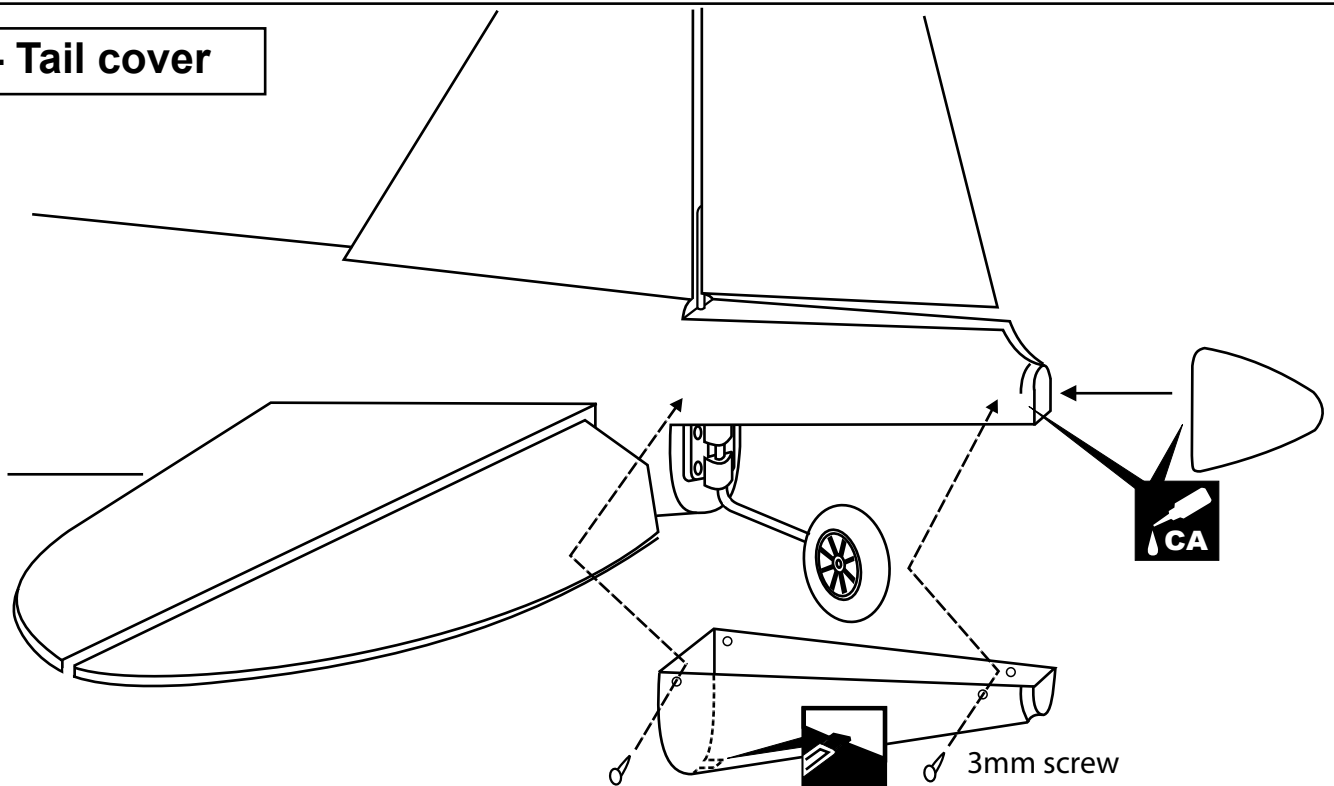
2mm


2x10mm screw


## 12- Vertical/Horizontal Tail





## 13- Tail cover





 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

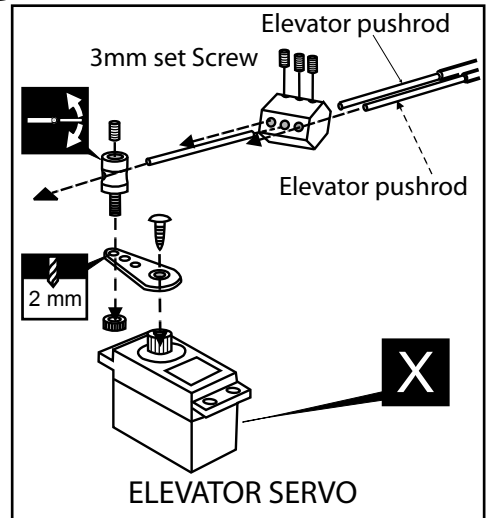
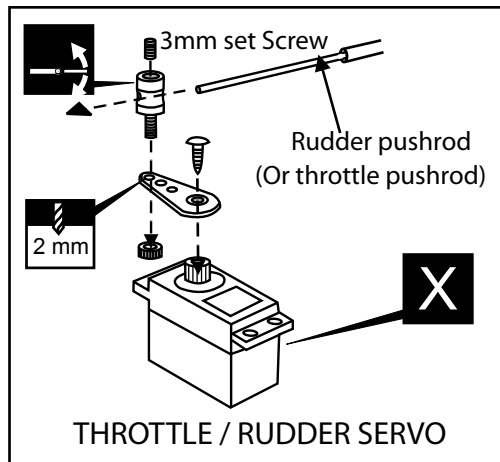
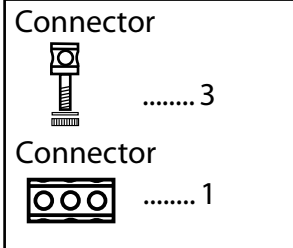
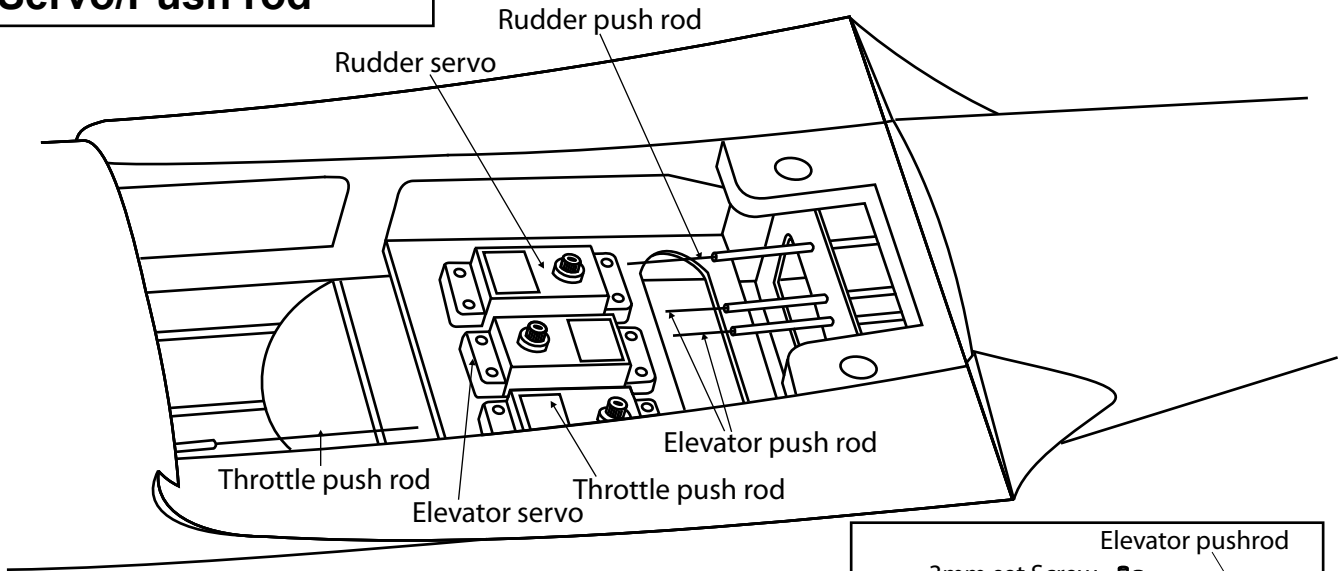
 Use epoxy glue

 Apply cyano glue

 Assemble left and right sides the same way.

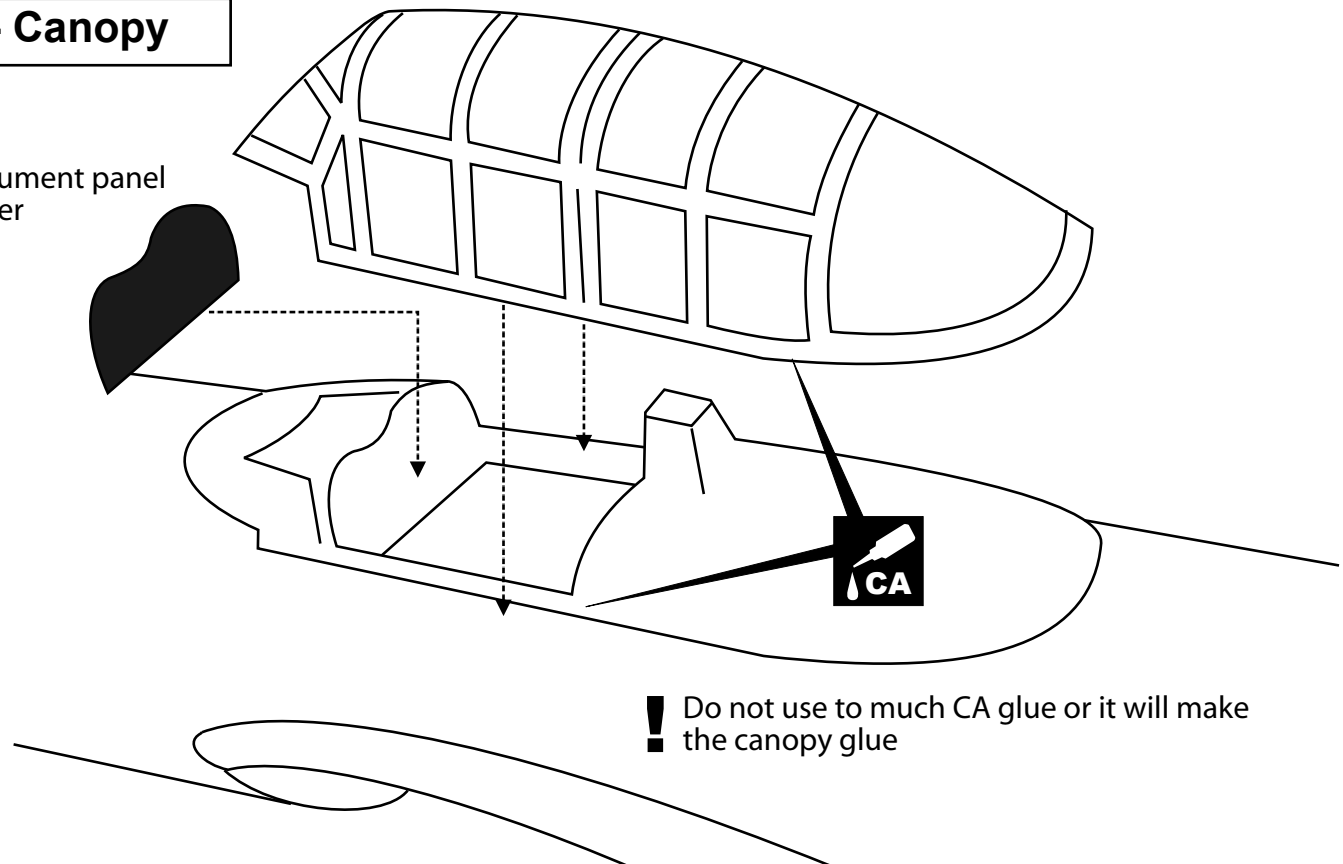
 Not included. These parts must be purchased separately

## 14-Servo/Push rod

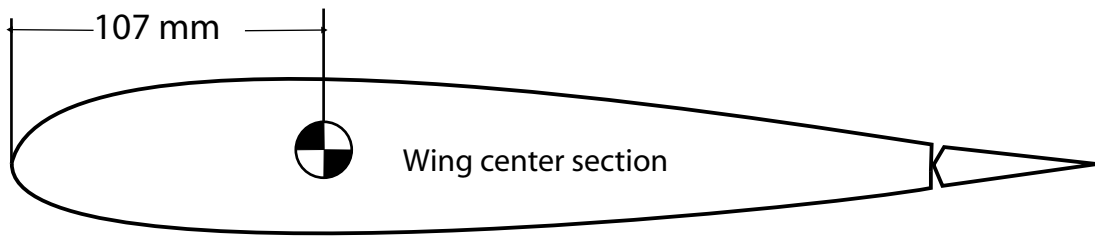


## 15- Canopy

Instrument panel sticker



## 16- Balance



DO NOT try to fly an out-of-balance model !

## 17- Control Surface

