

# Sopwith Camel F.1 Building Manual



Tony Ray's AeroModel



## Sopwith Camel - Kit Inventory

- Wood Part: Balsa wood Sheets \*3, Basswood Sheets \*1
- Hardware Part: Carbon rod \* 1, Heat shrink tube \* 1, Mini magnet \* 8, Micro Hinge \* 1, Micro screw \* 30, Rubber wheel \* 2
- Paper Part: Installation drawings \*2, Covering tissue \* 1

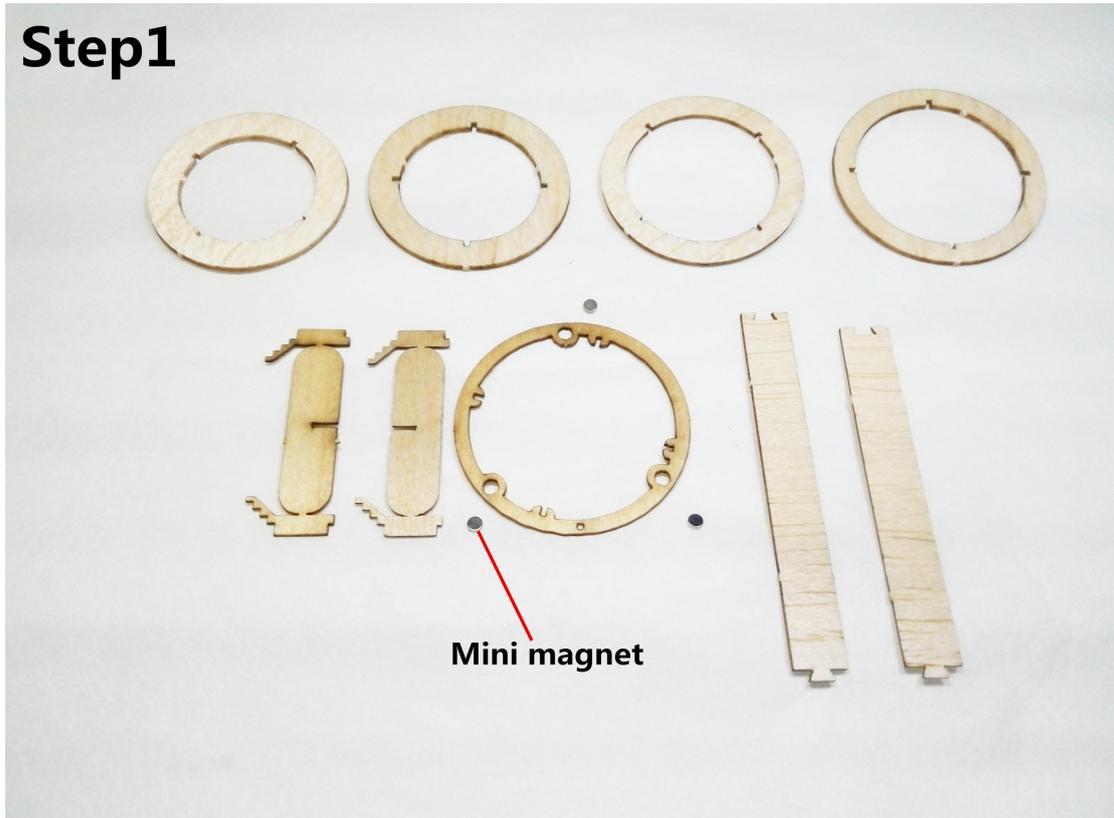
## Required Electronics

- RC Transmitter with at least 4 channels
- Receiver/ESC(If you use Brushless motor)/1.7g Micro servo
- Motor,1104 Brushless motor & 8.5MM coreless motor with gearbox
- Propeller,5.5in or 138mm Prop /LiPo battery

\*SPMAR6400 Micro Receiver is highly recommended

## Part1 fuselage

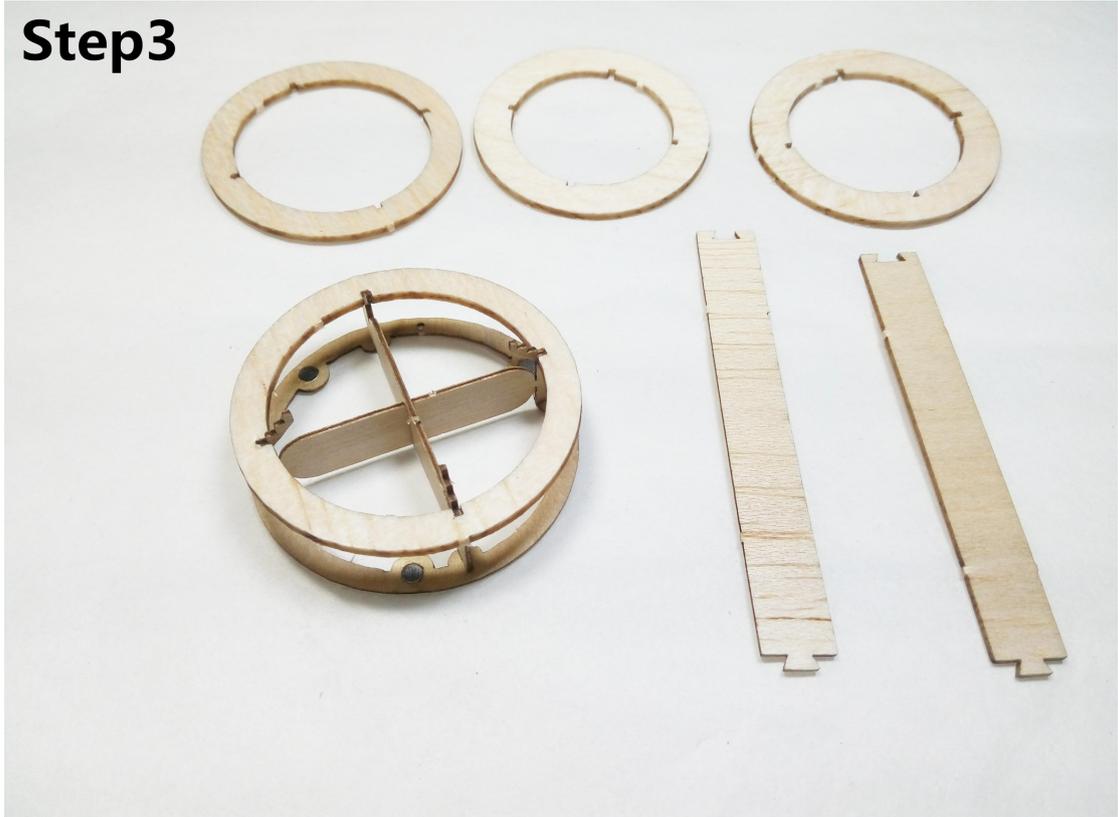
### Step1



### Step2



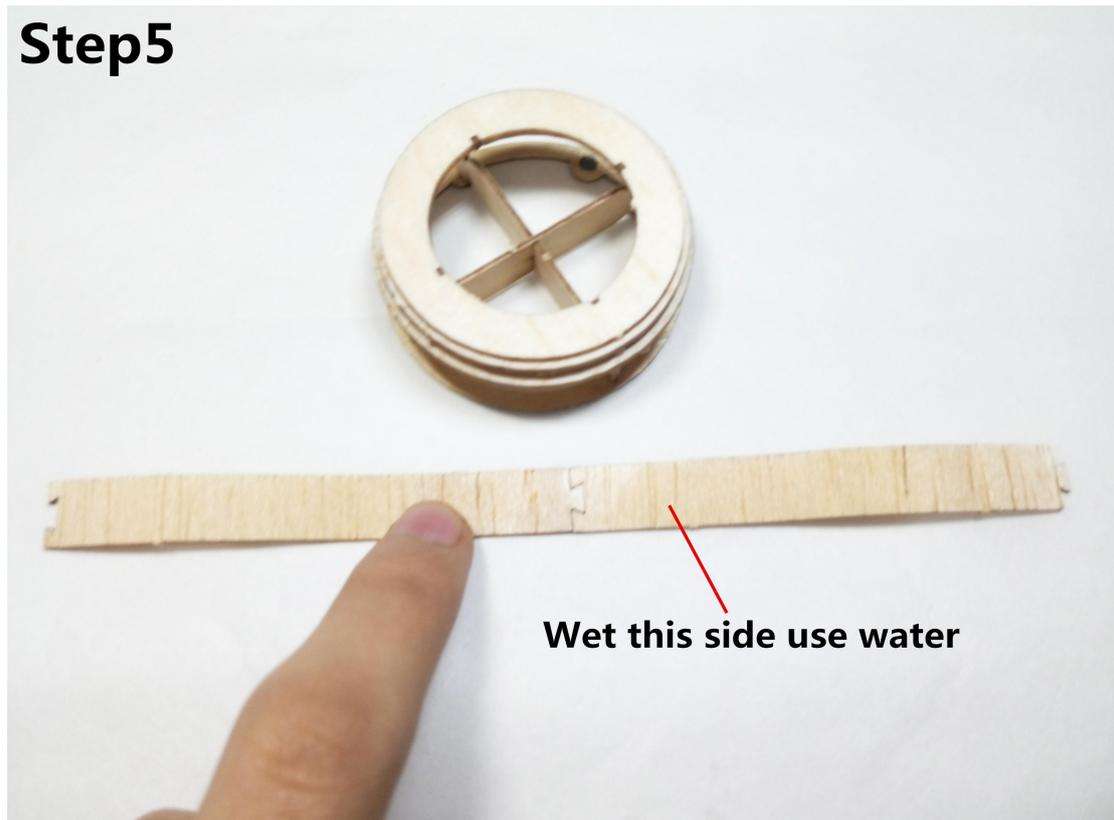
### Step3



### Step4



## Step5



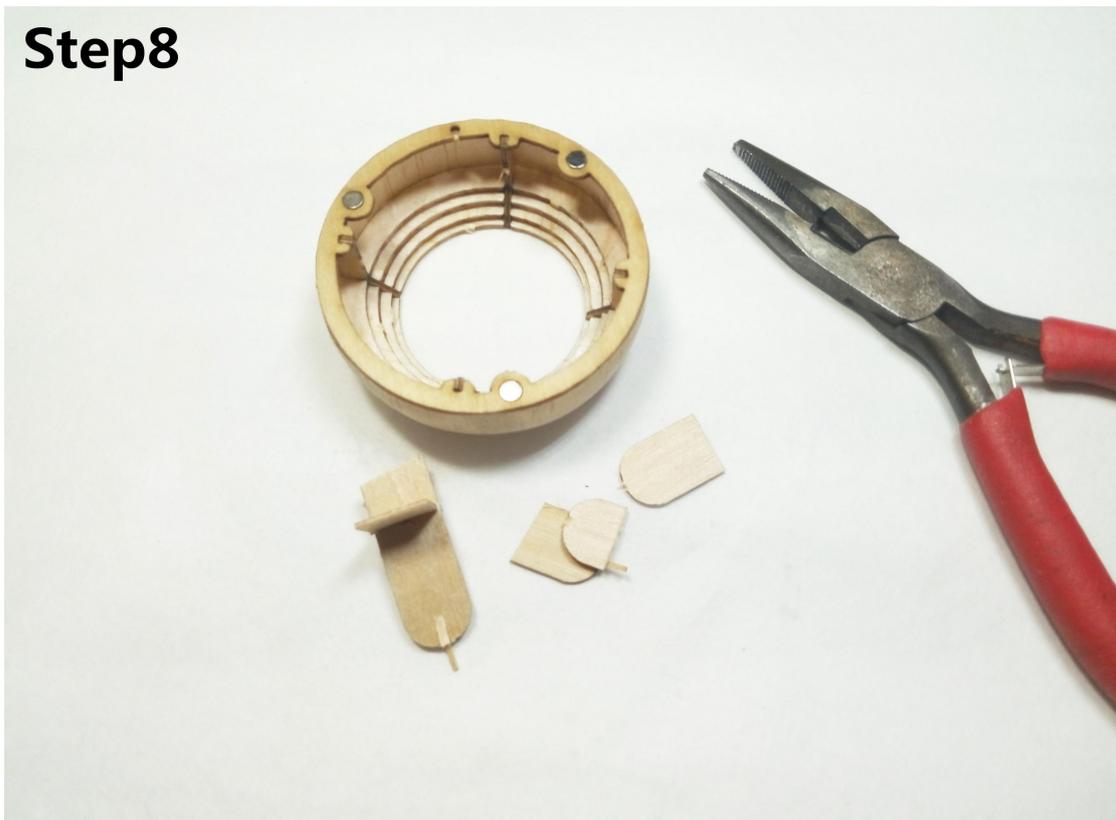
## Step6



## Step7



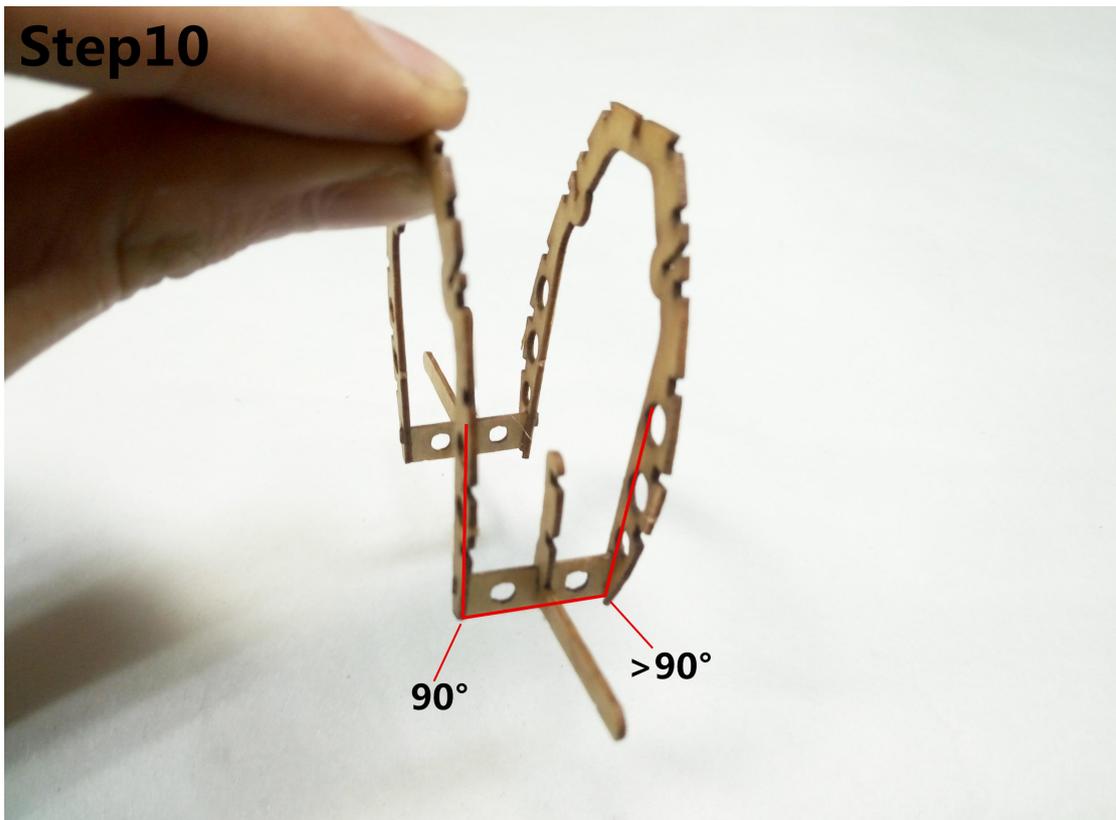
## Step8



## Step9



## Step10

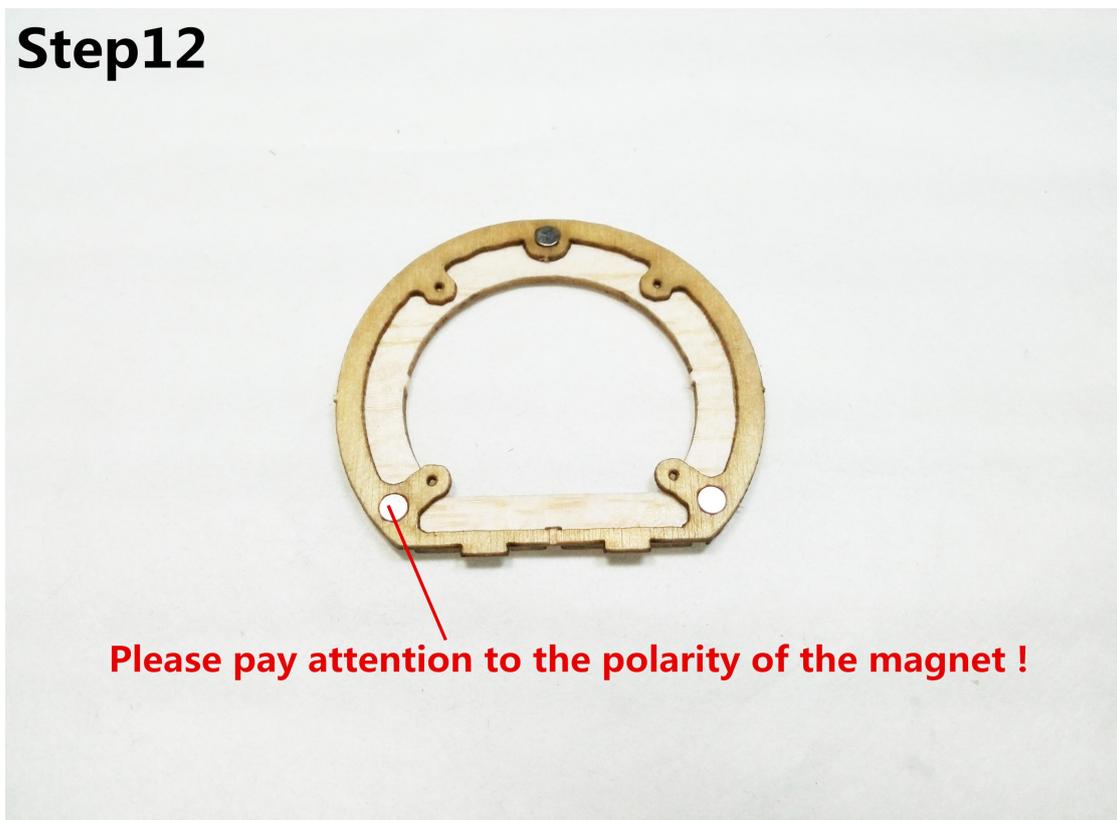


The right side is sloped, the right side is the front.

## Step11

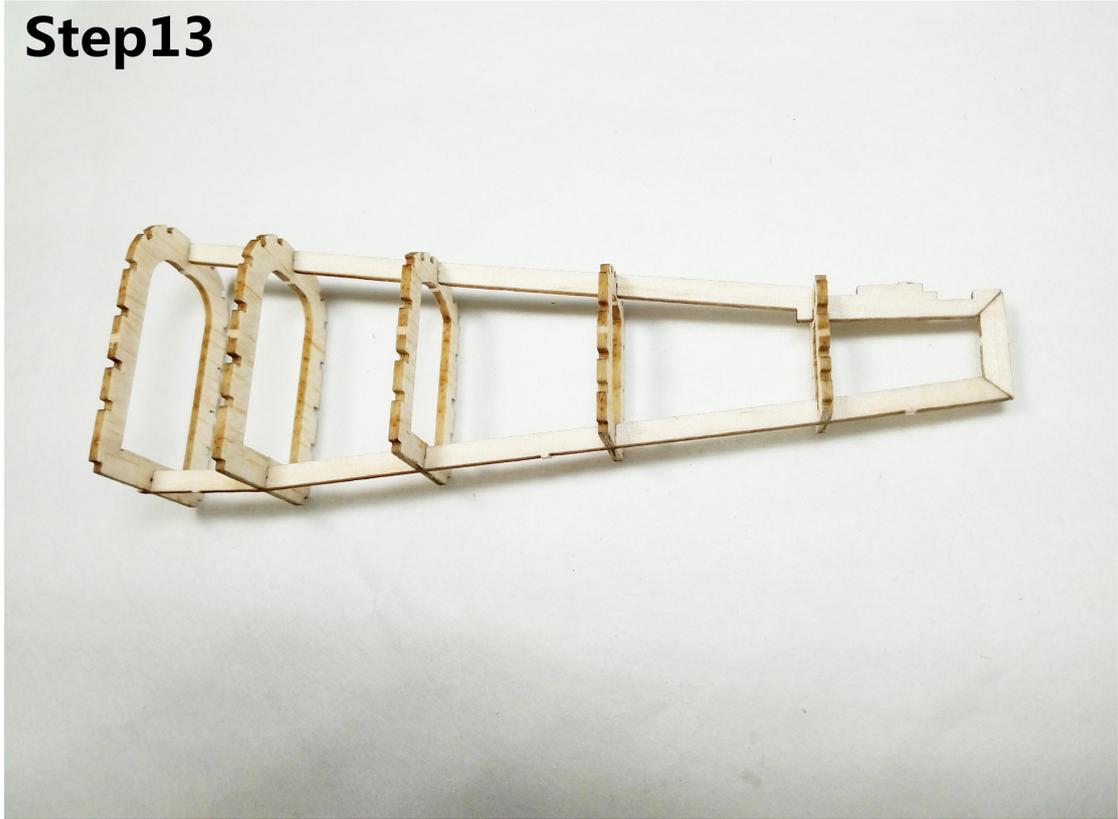


## Step12

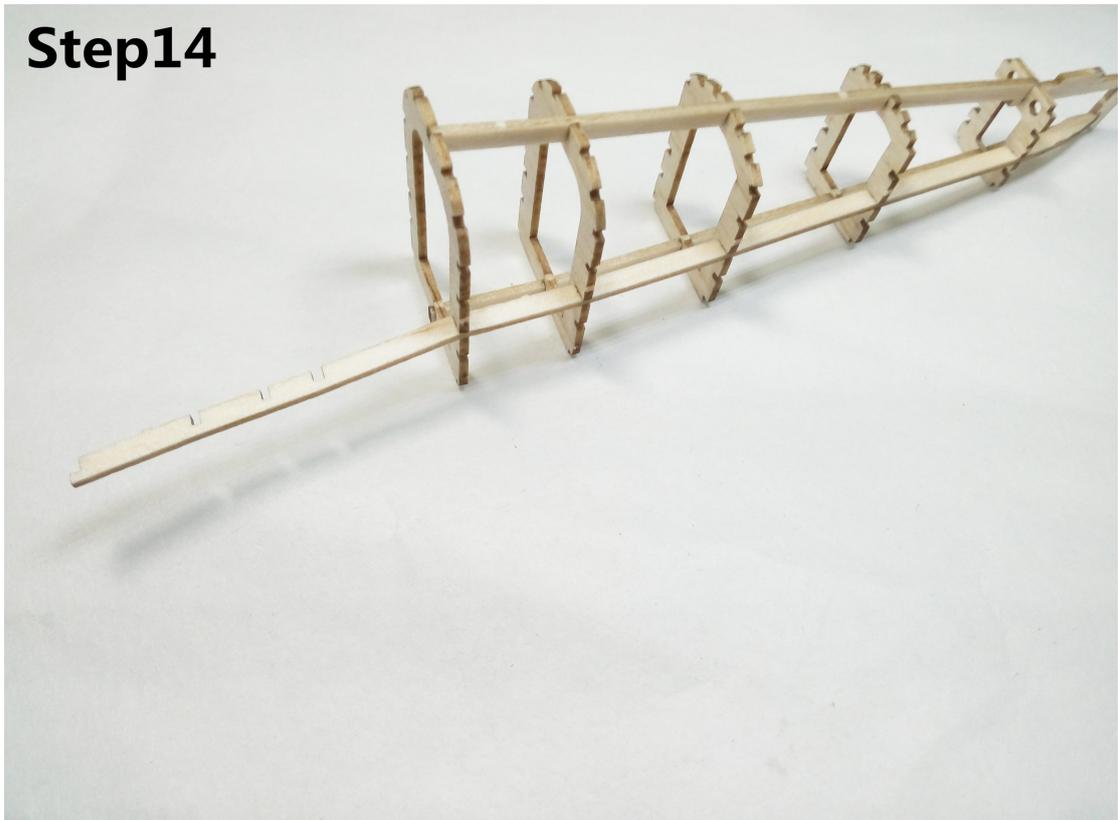


Please pay attention to the polarity of the magnet !

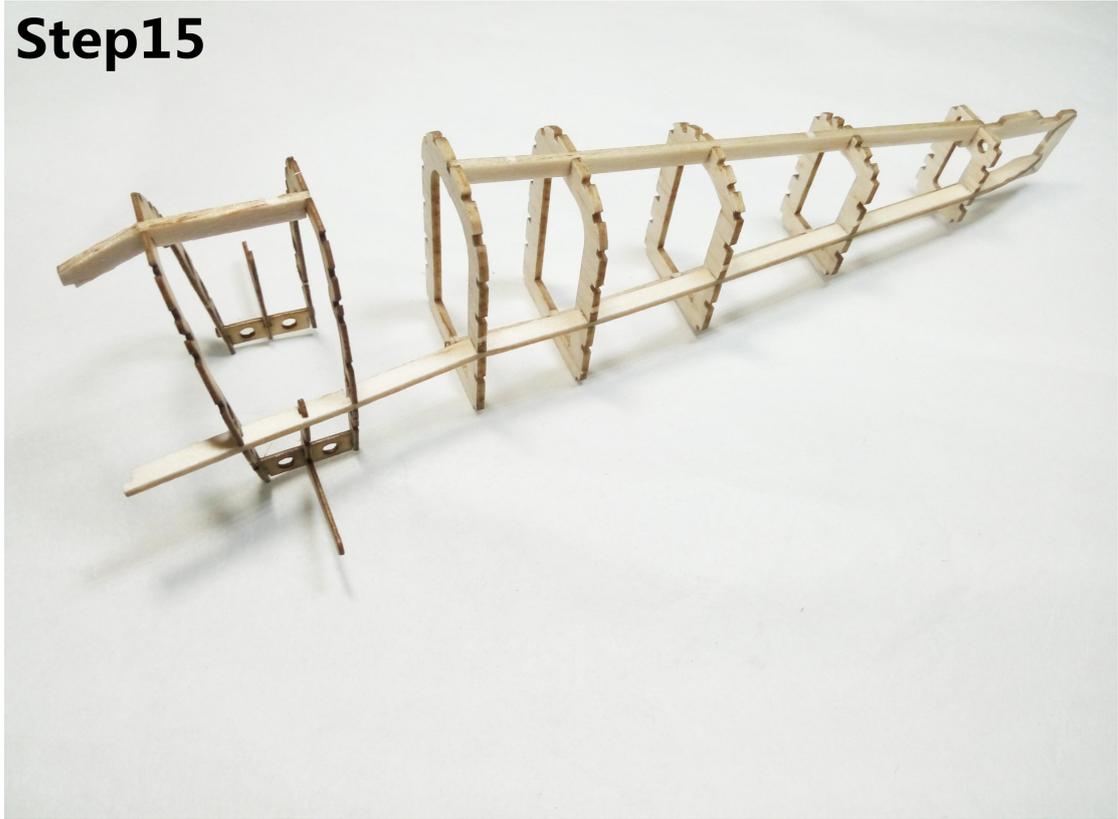
## Step13



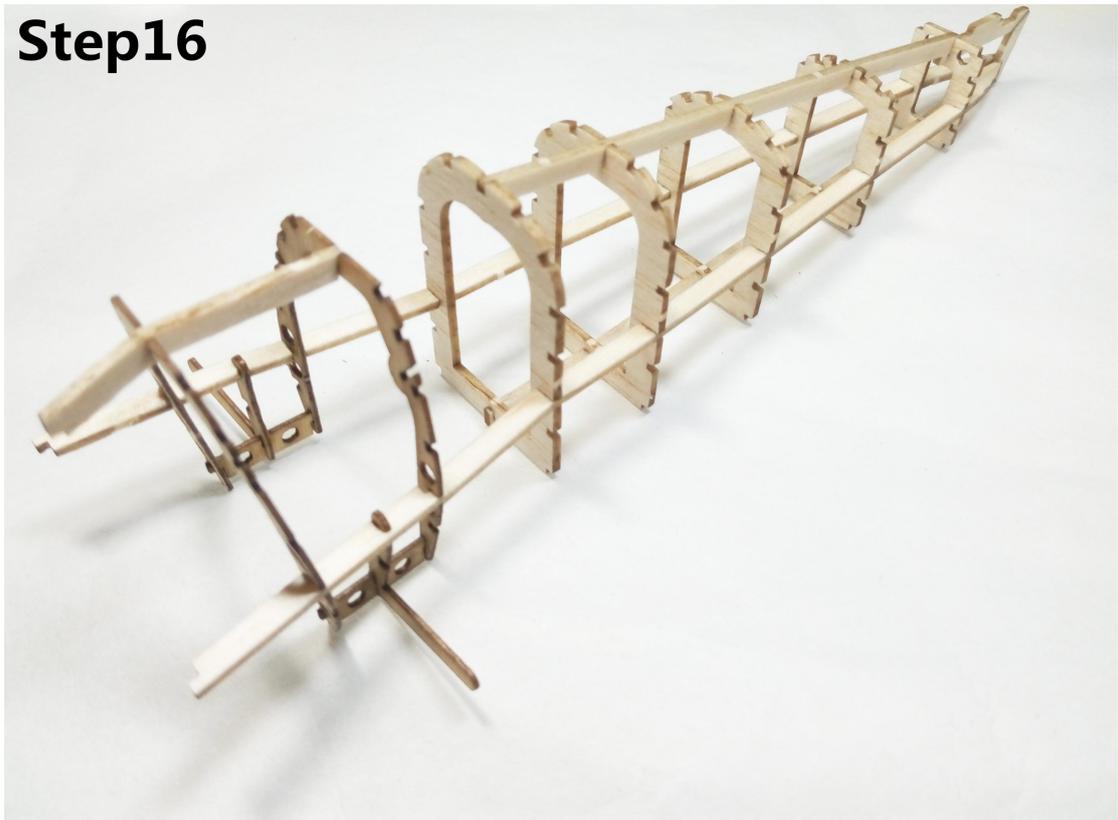
## Step14



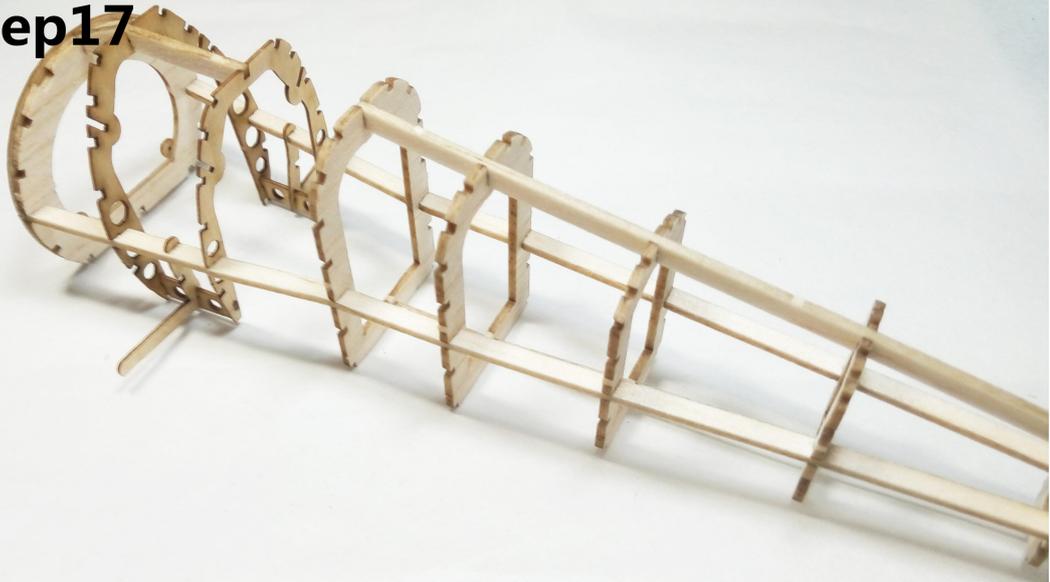
## Step15



## Step16



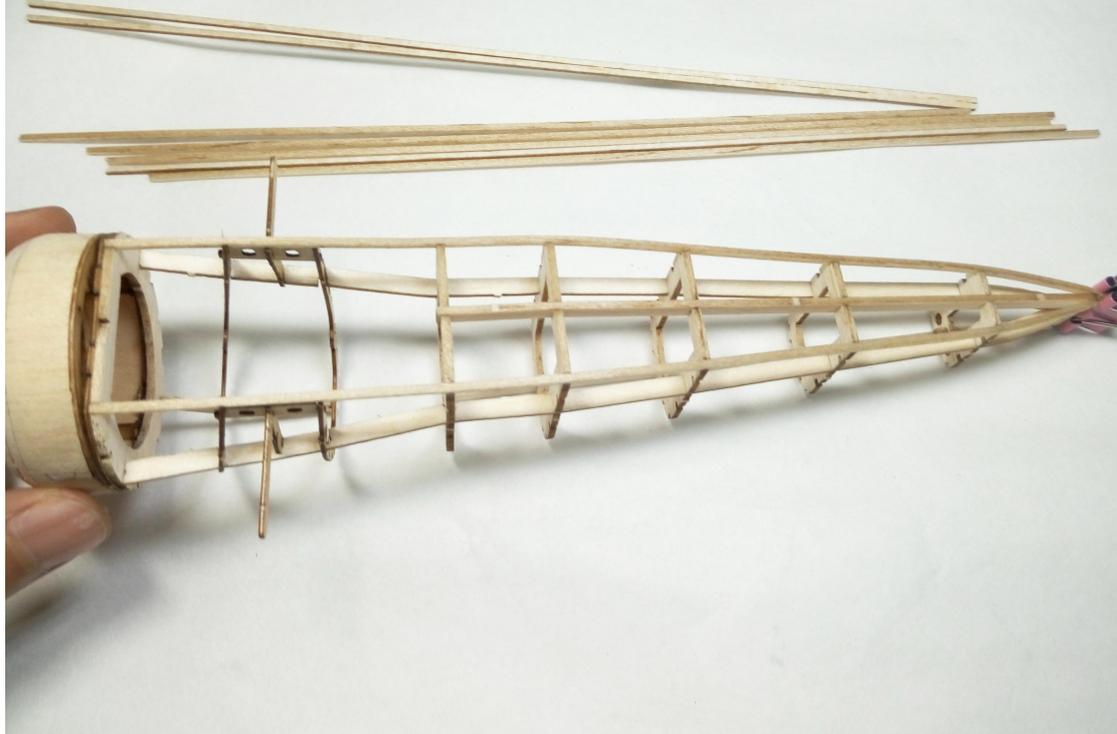
**Step17**



**Step18**



## Step19



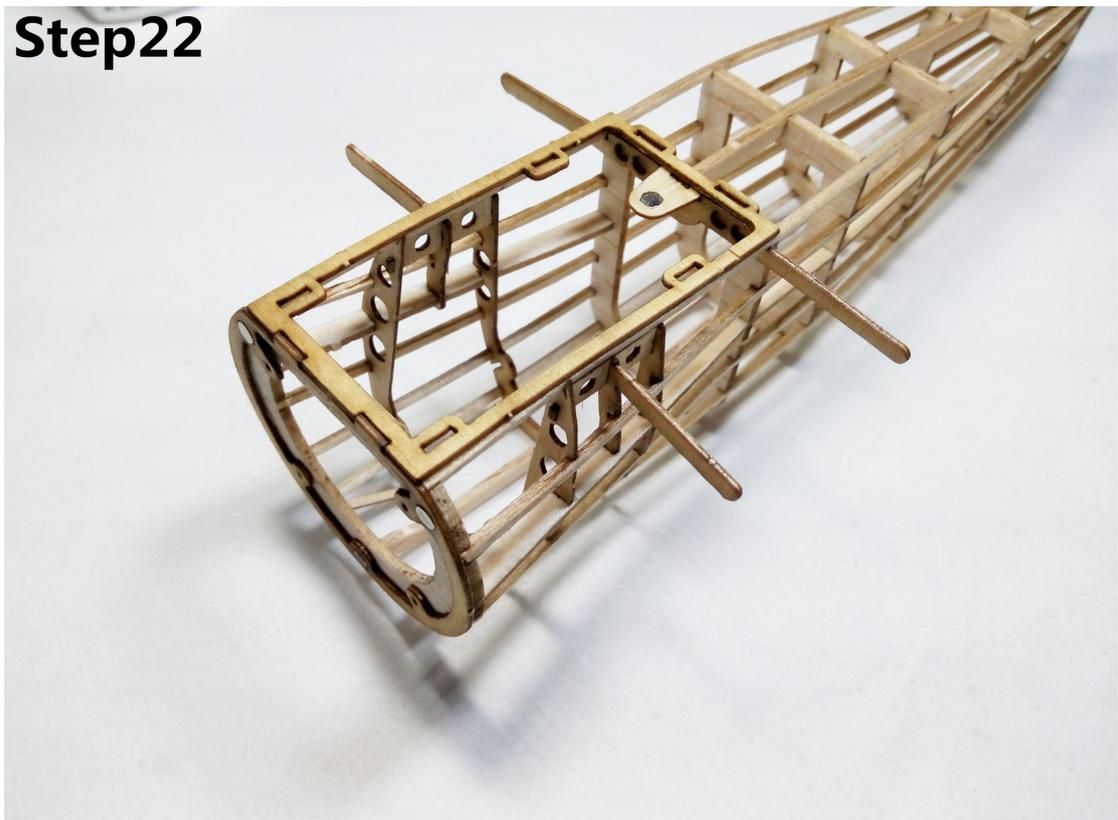
## Step20



## Step21



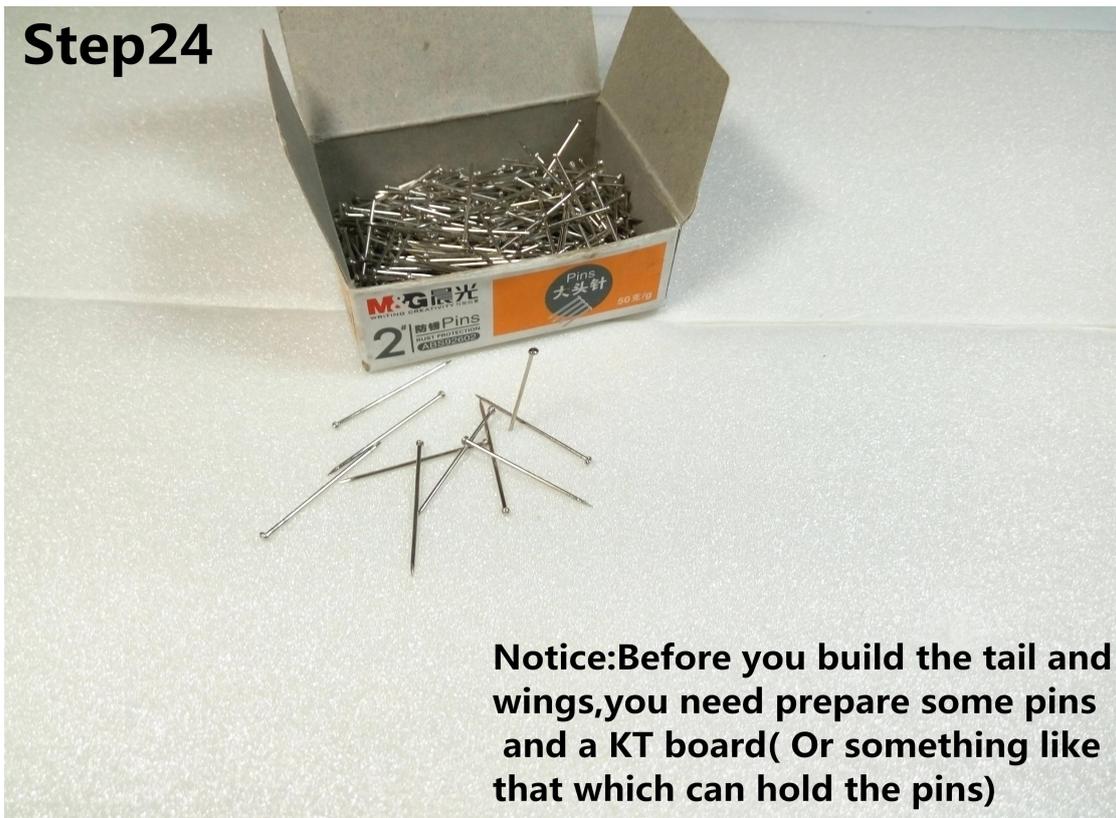
## Step22



## Step23

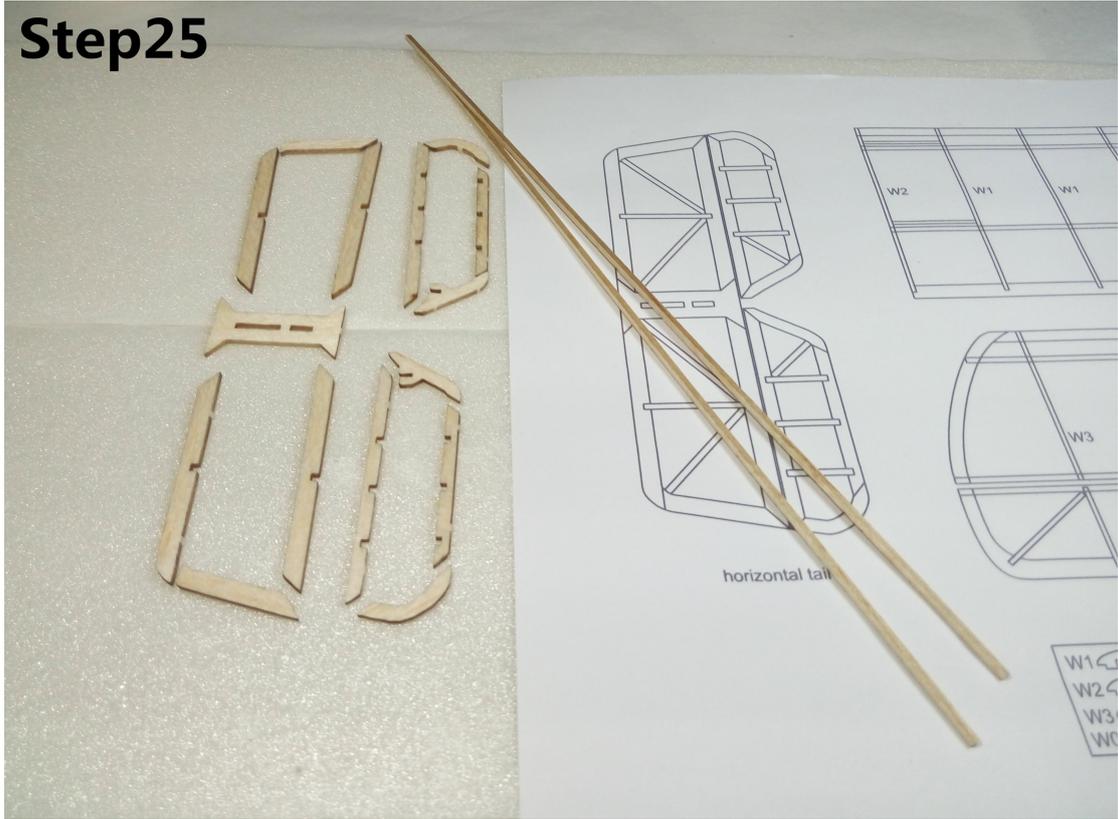


## Step24

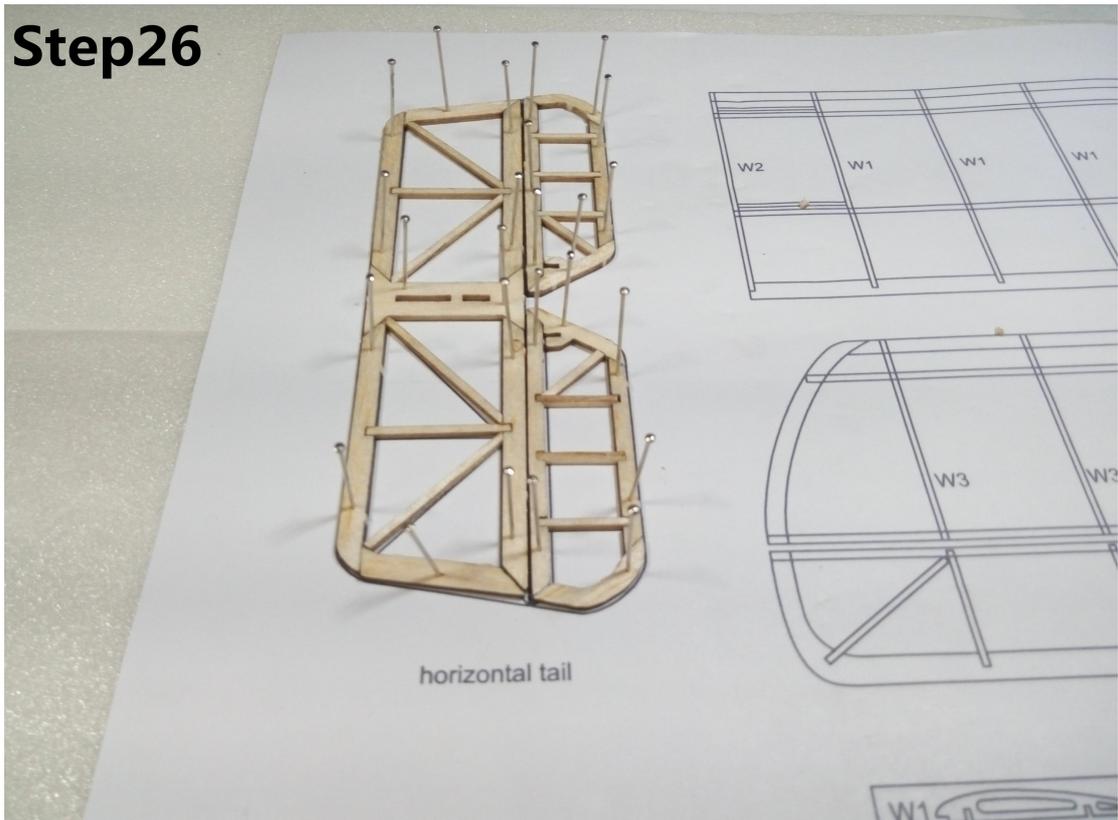


**Notice: Before you build the tail and wings, you need prepare some pins and a KT board ( Or something like that which can hold the pins)**

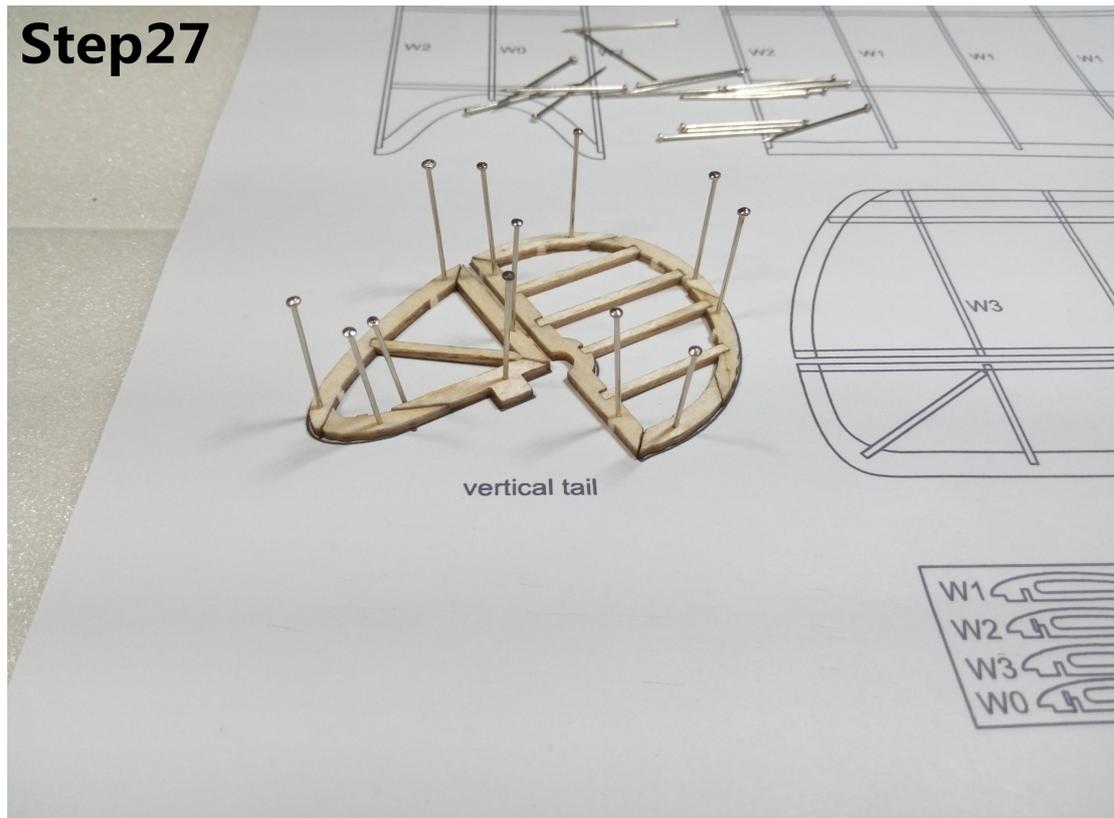
# Step25



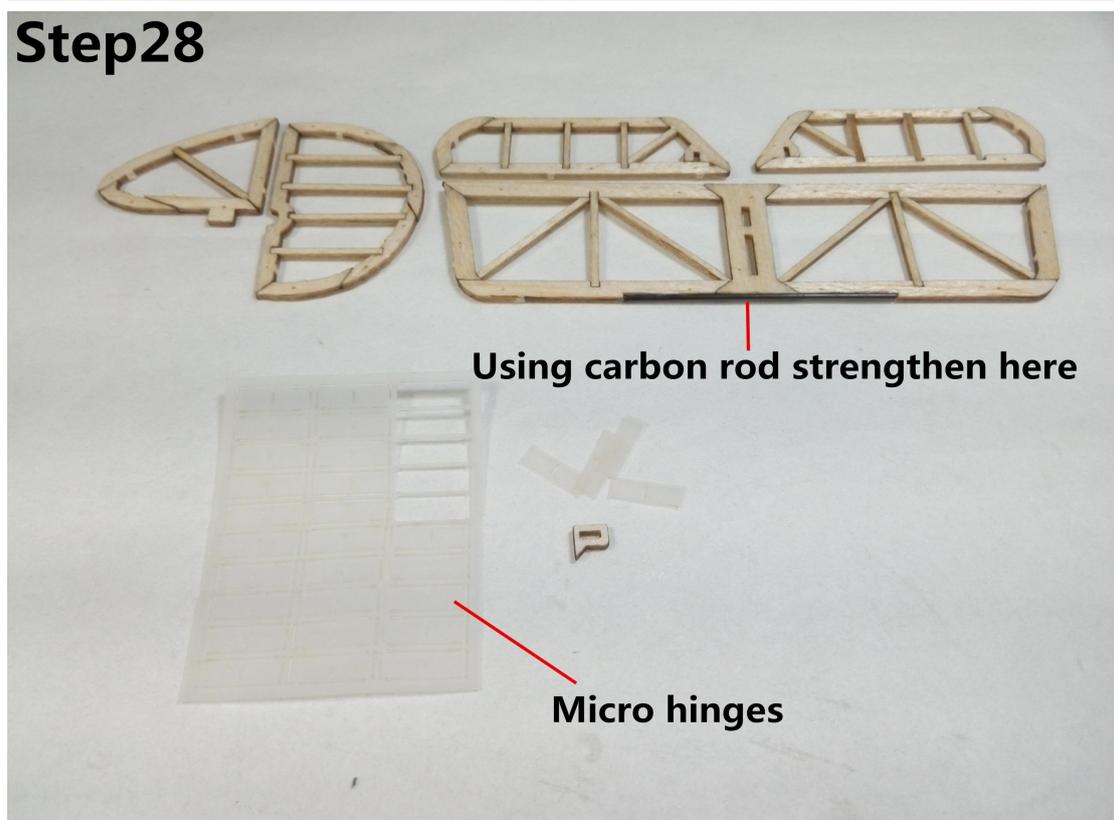
# Step26



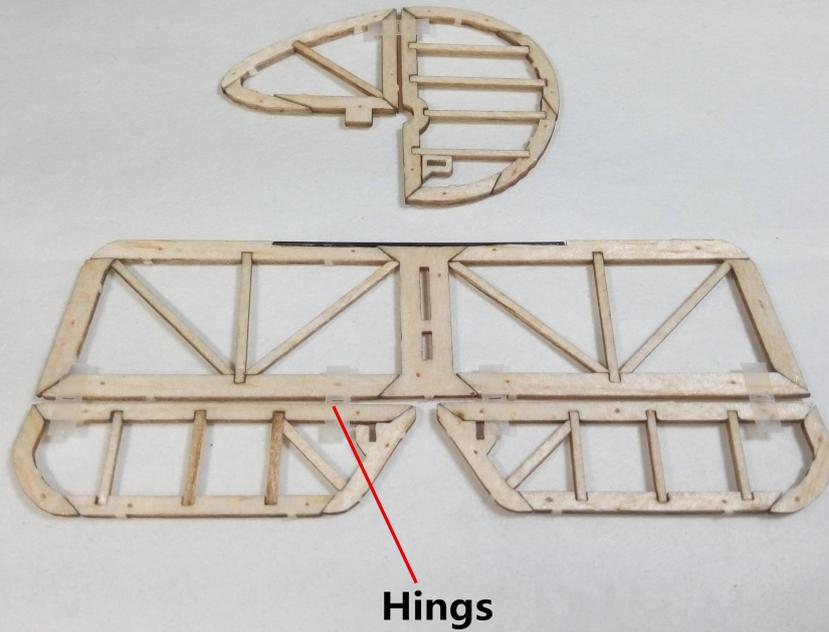
## Step27



## Step28



## Step29



## Step30

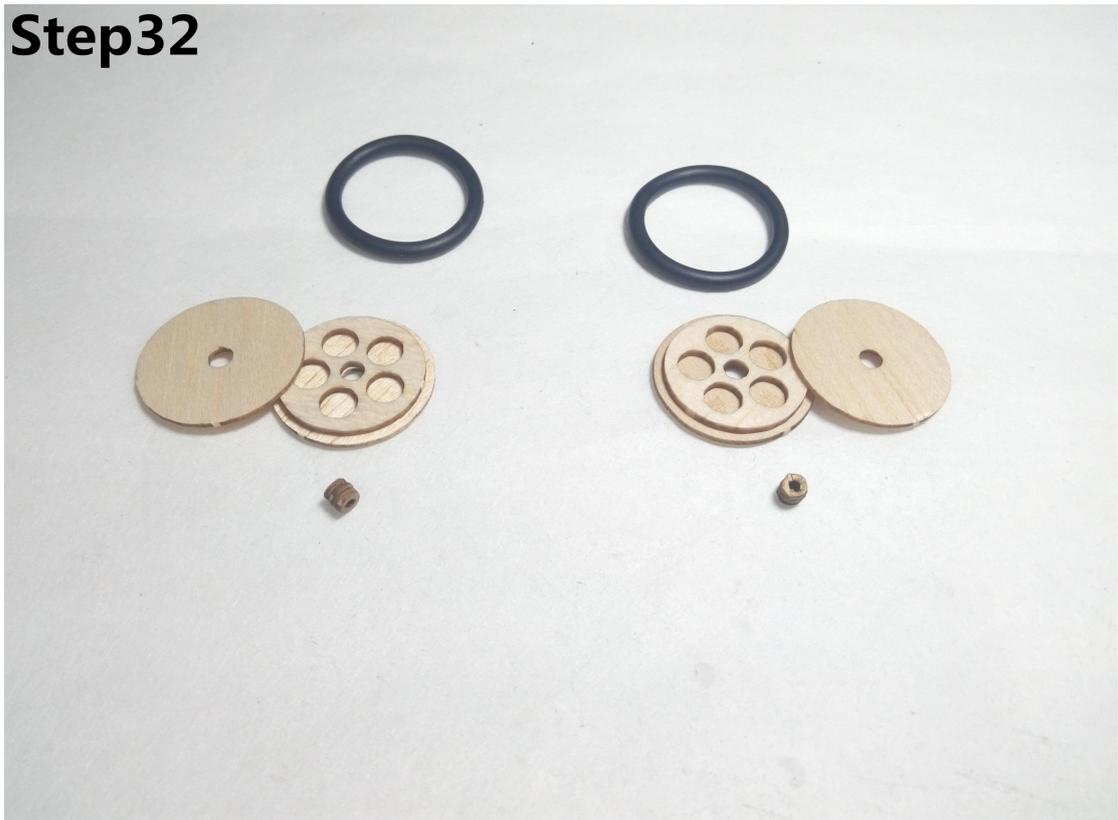


**Attention: This step just show the location of the tail, do not boding it use glue before cover the the plane**

## Step31



## Step32

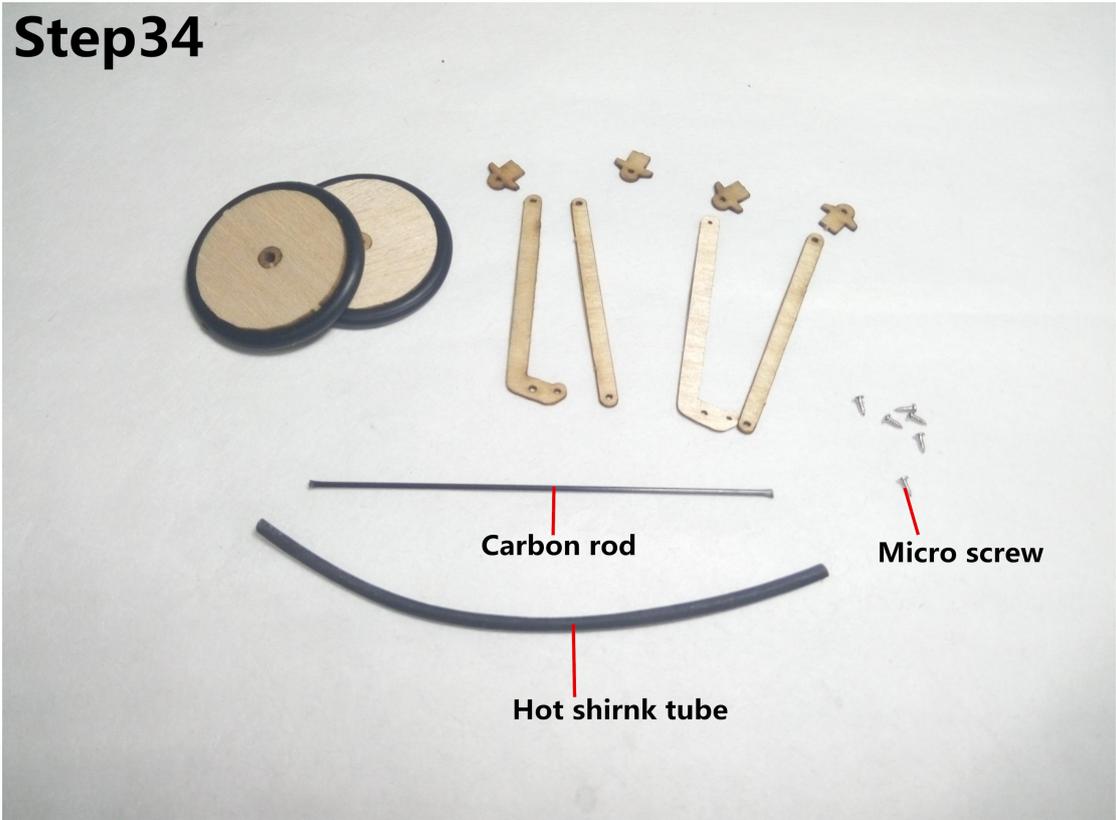


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# Step33



# Step34

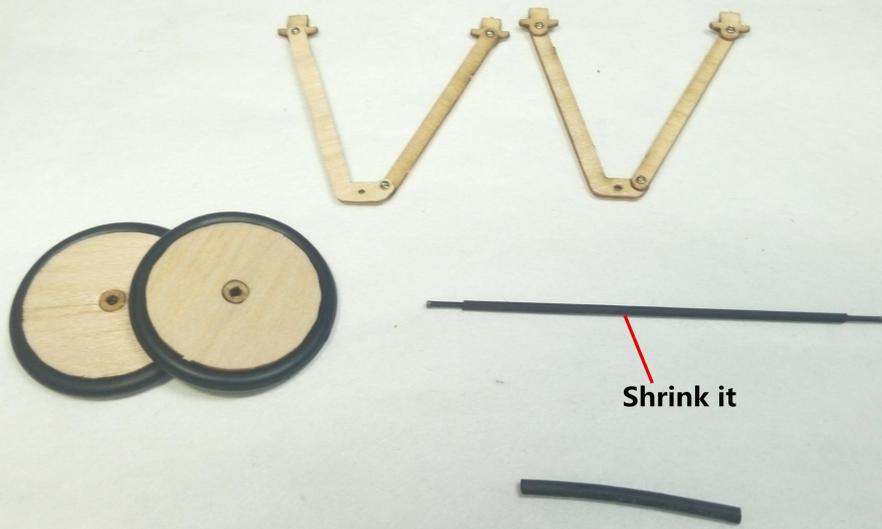


Carbon rod

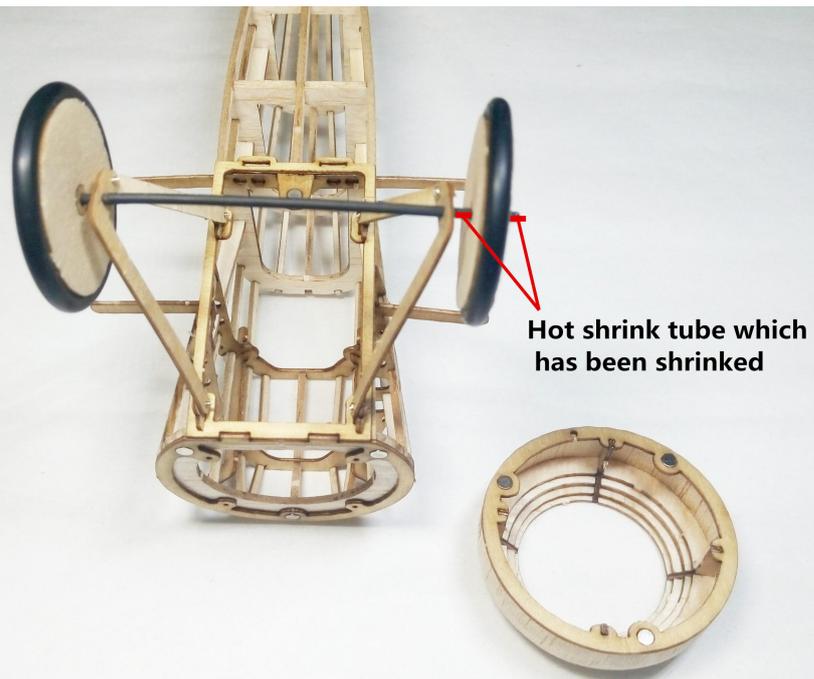
Micro screw

Hot shirnk tube

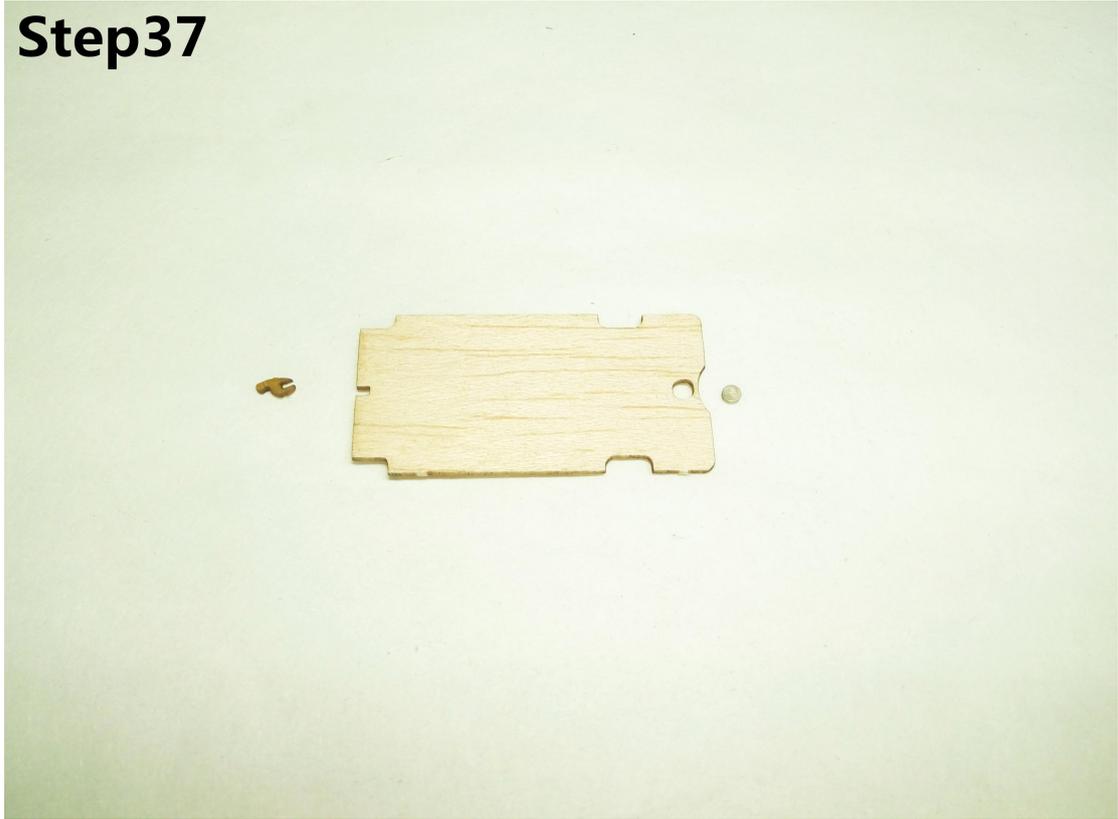
## Step35



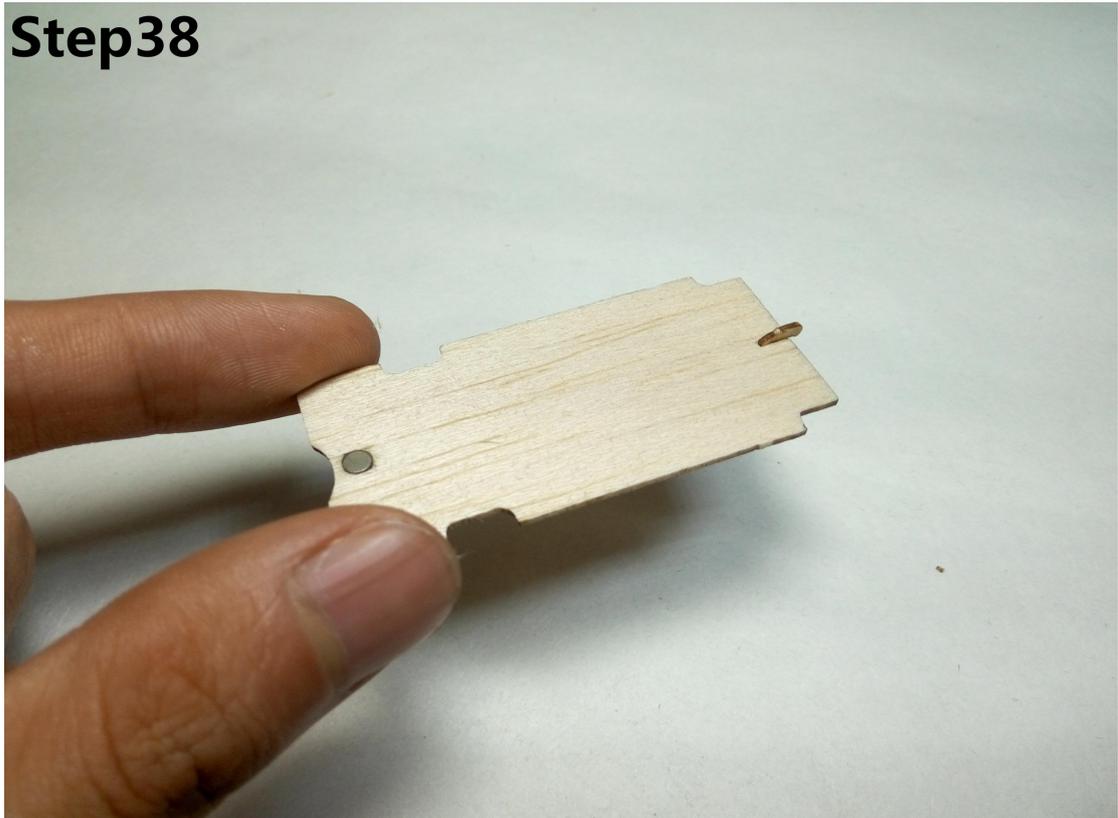
## Step36



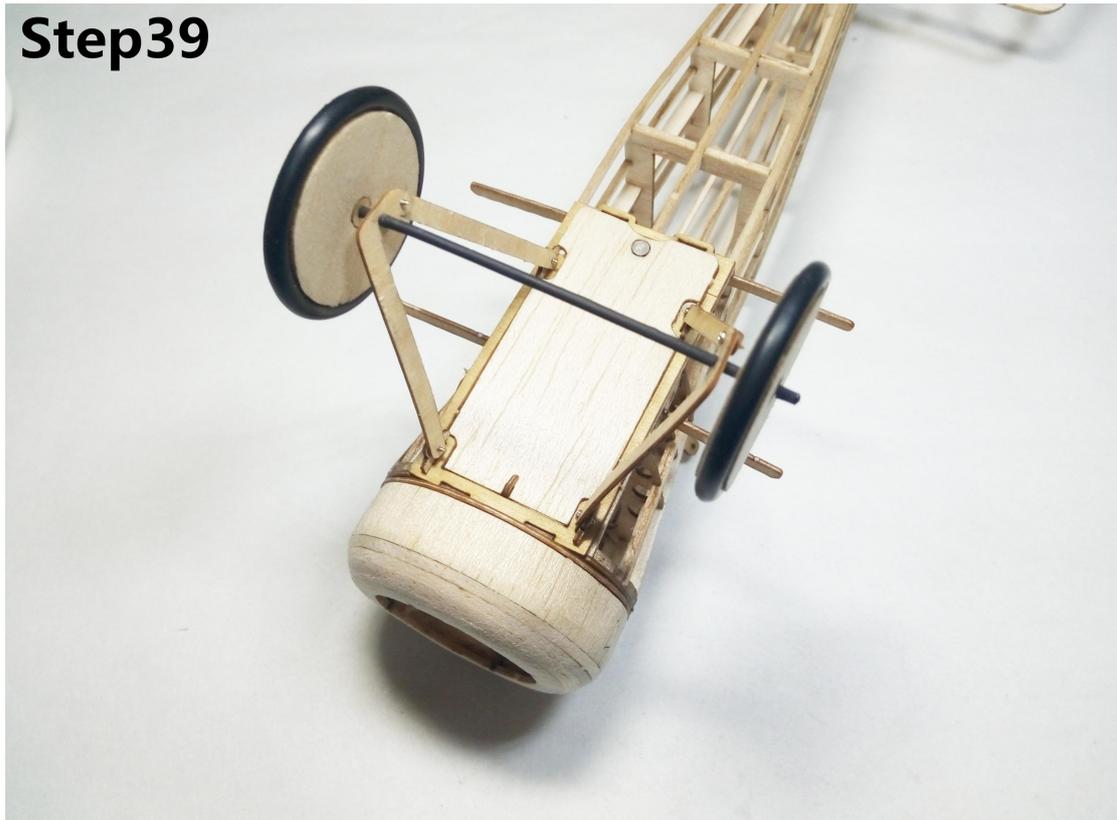
## Step37



## Step38

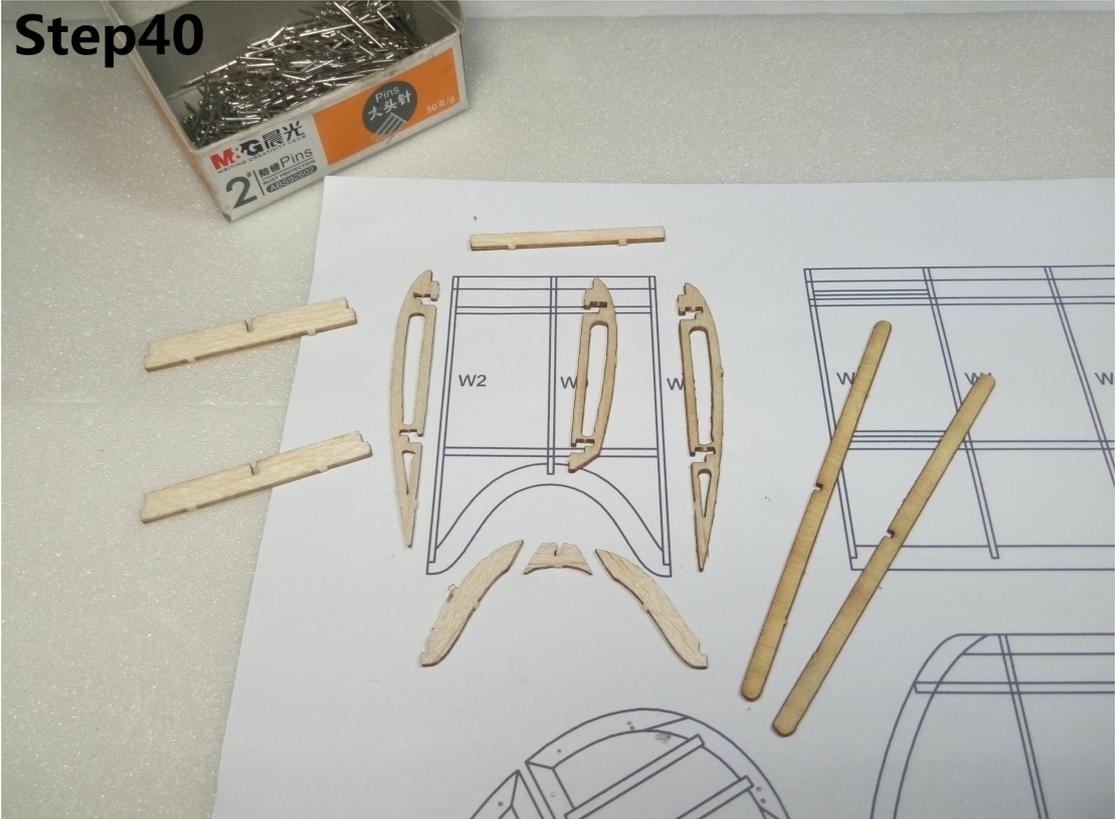


# Step39

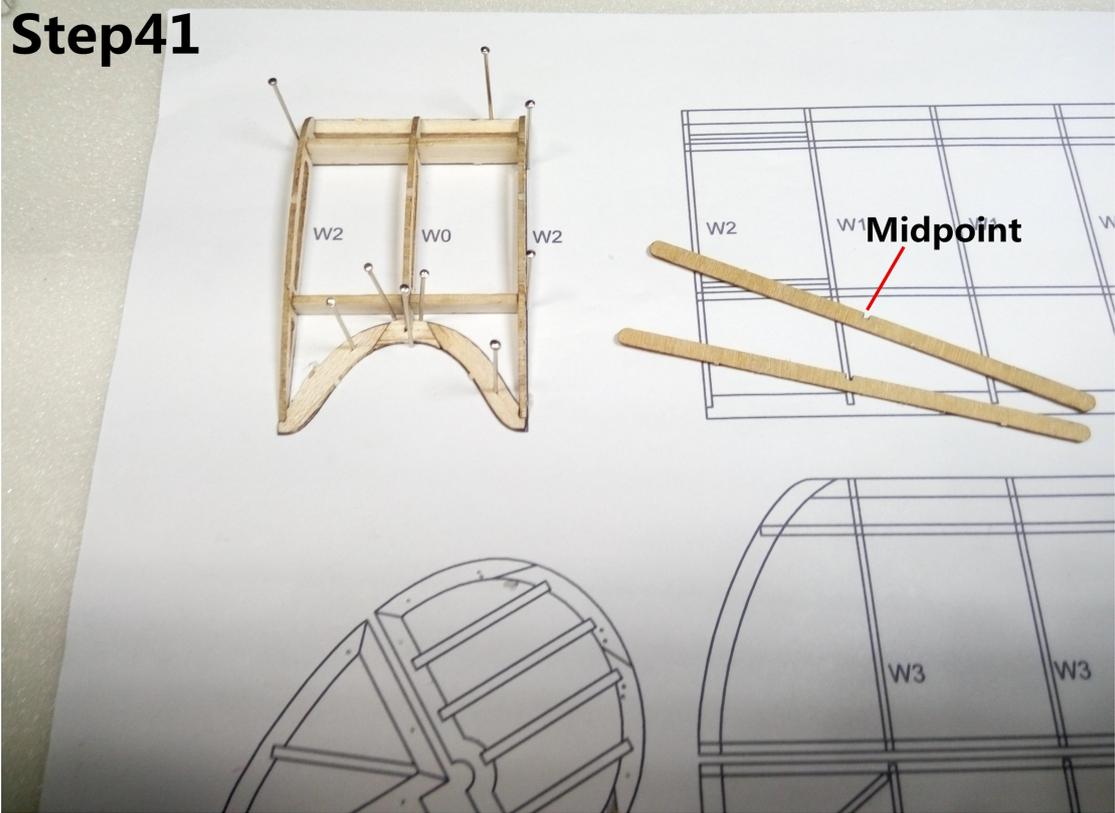


# Part2 The Wings

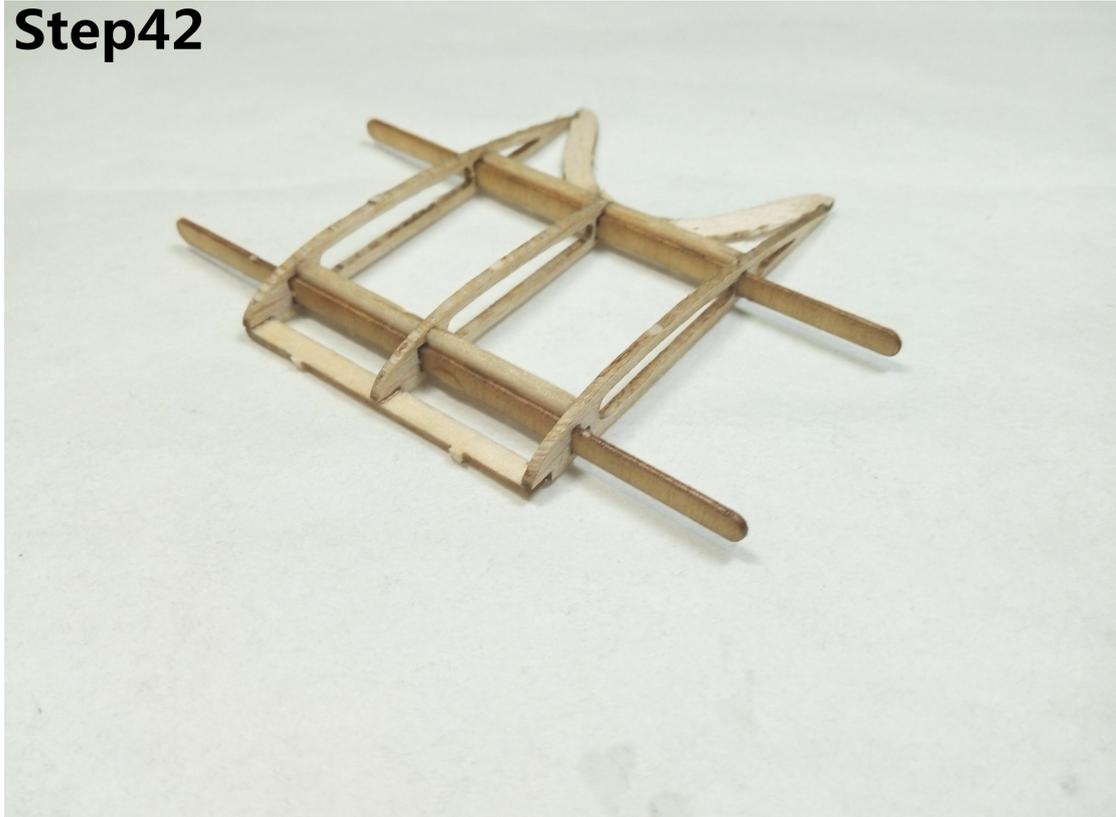
Step40



Step41



# Step42



# Step43

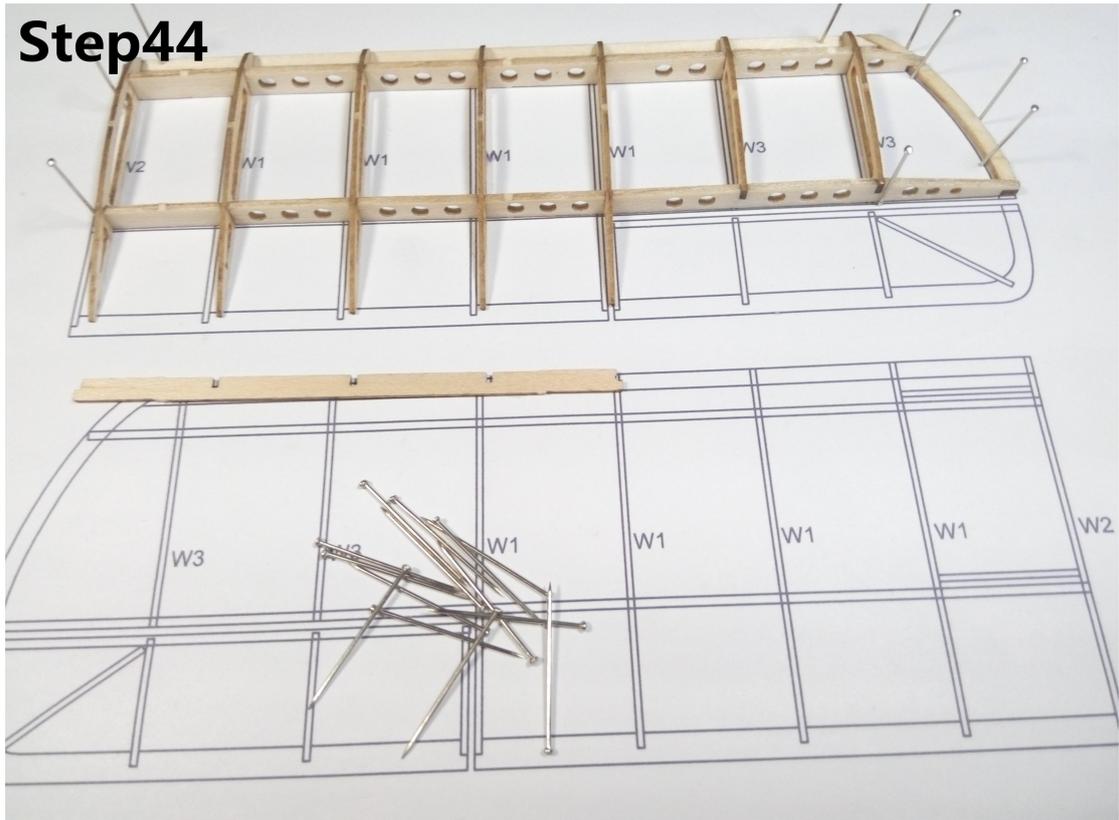
vertical tail

W1  
W2  
W3  
W0

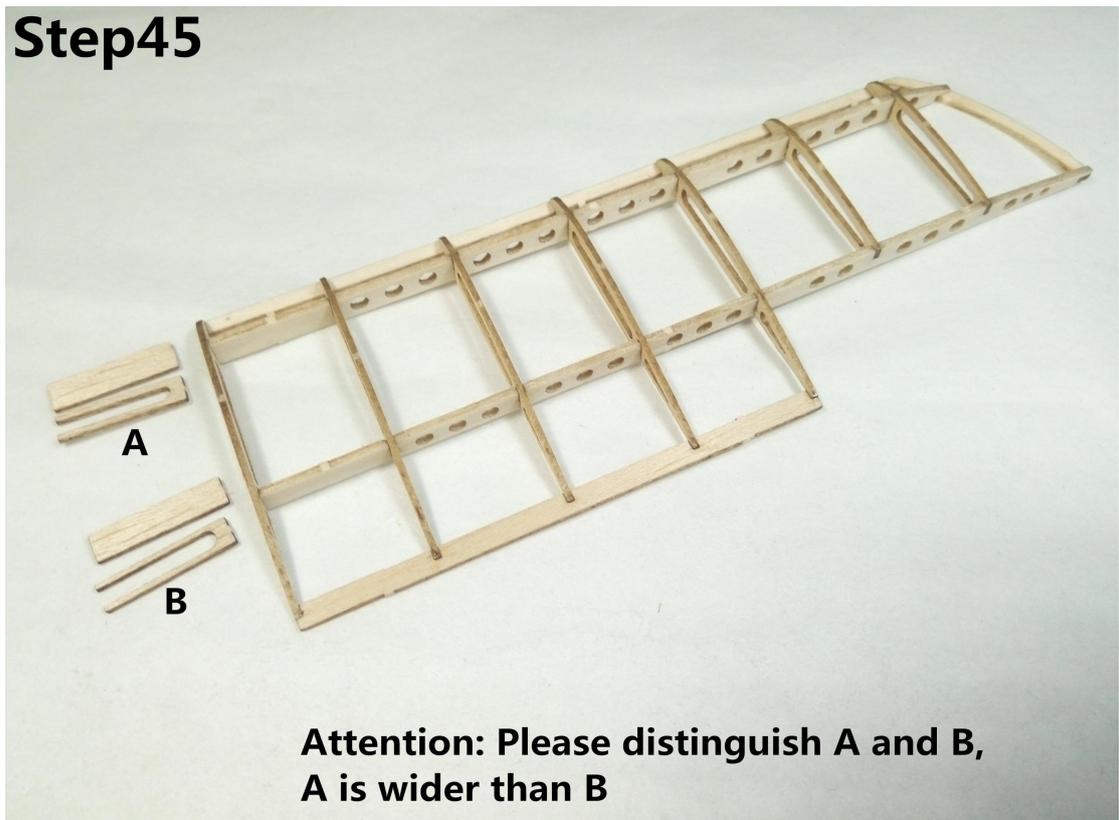
## Sopwith Camel

Sopwith Camel W W I Fighter Part 2  
Little Ray's Peanut Scale

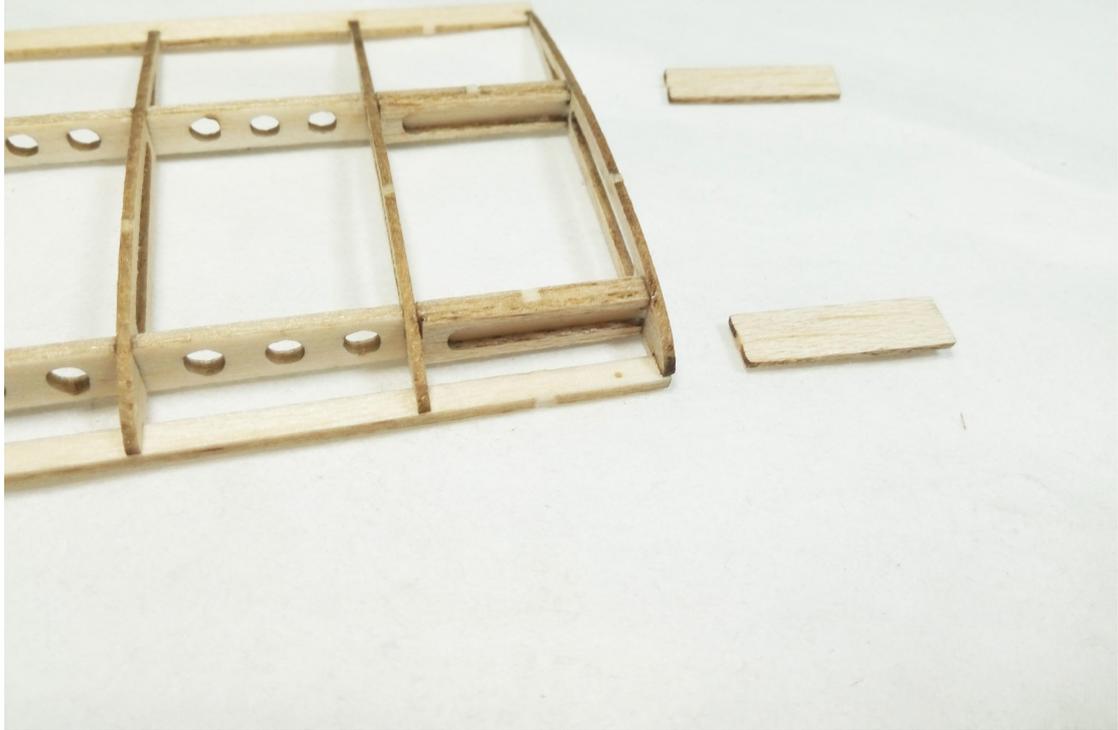
## Step44



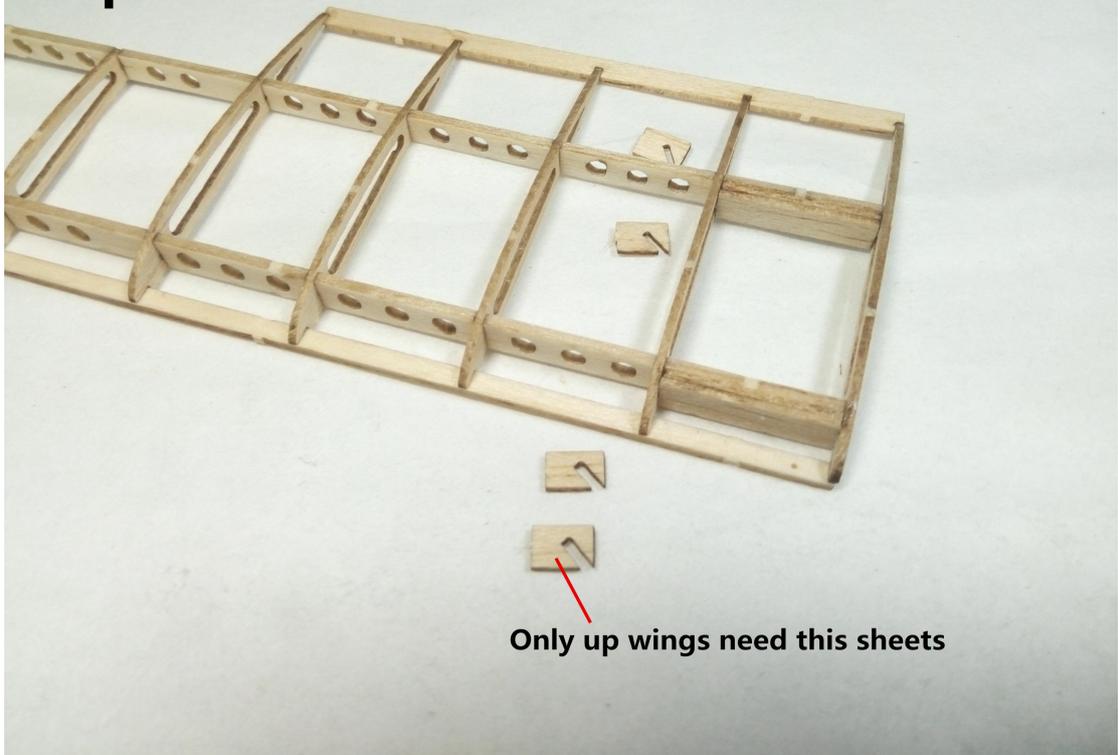
## Step45



## Step46

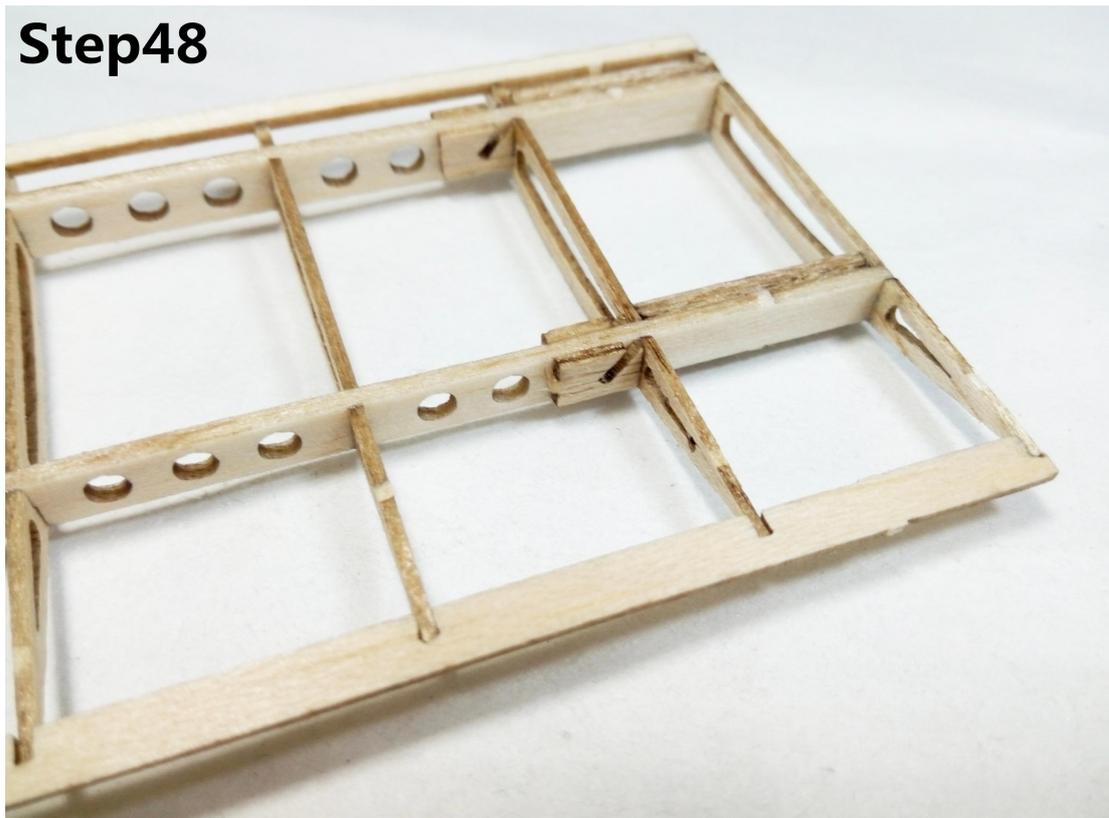


## Step47

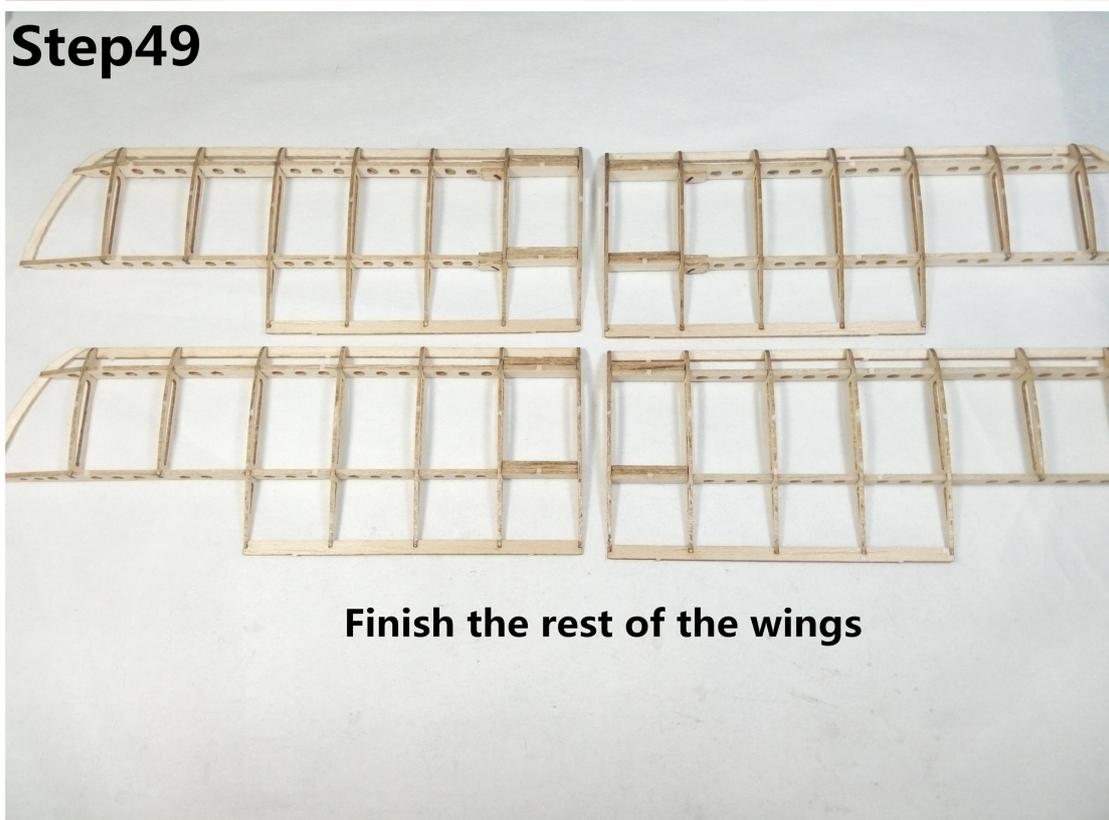


Only up wings need this sheets

## Step48

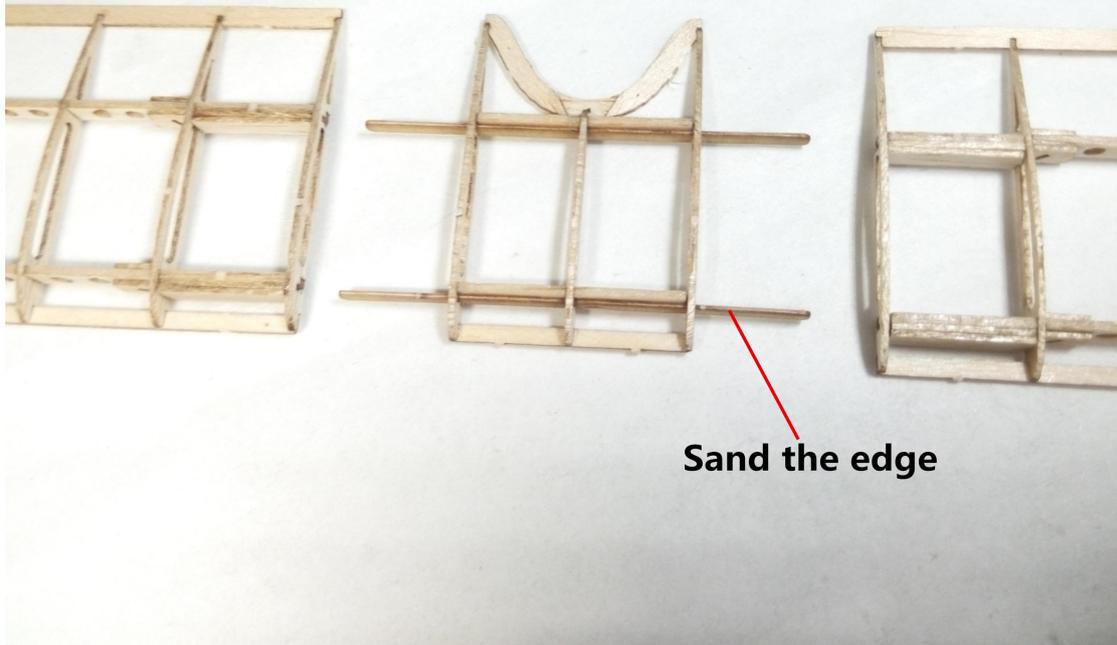


## Step49

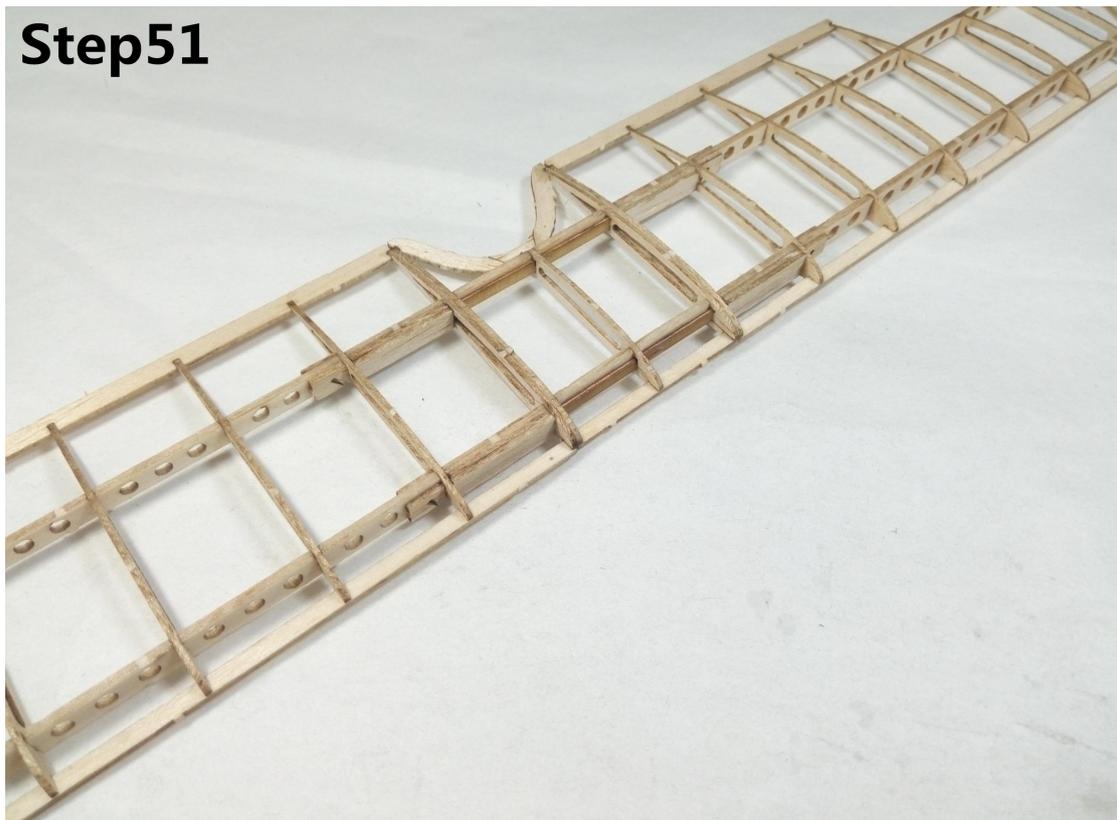


**Finish the rest of the wings**

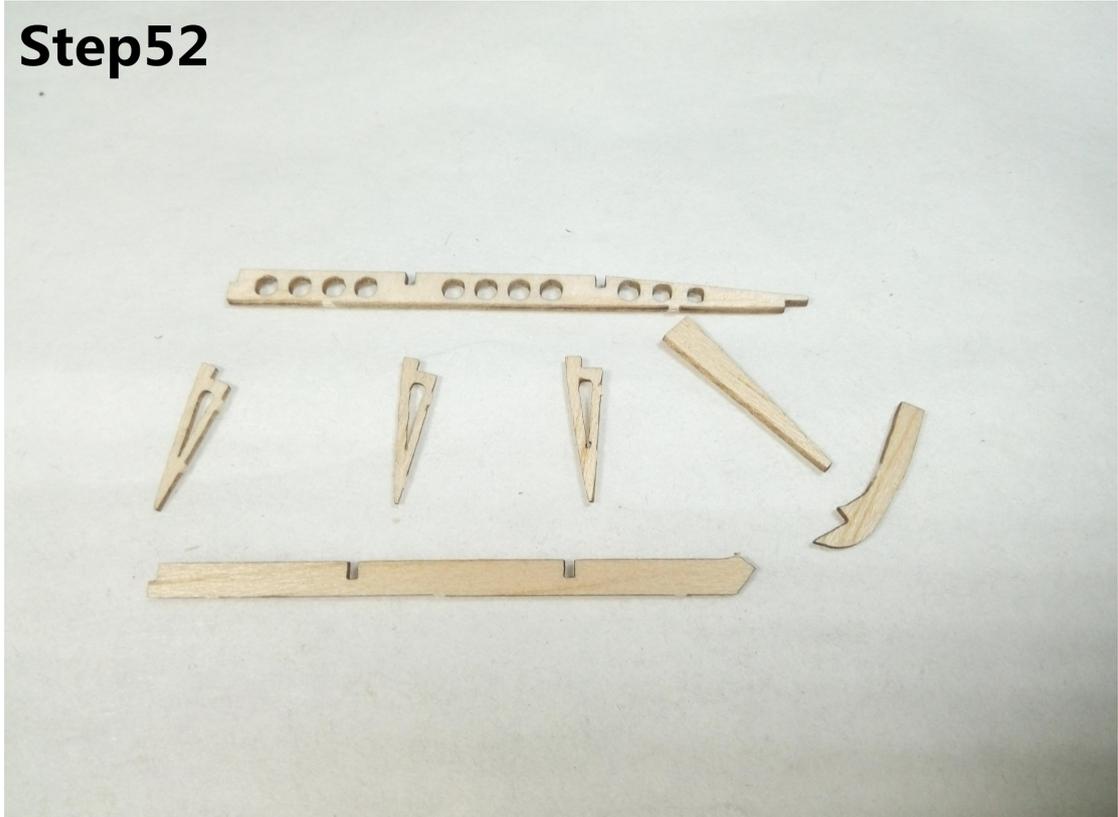
## Step50



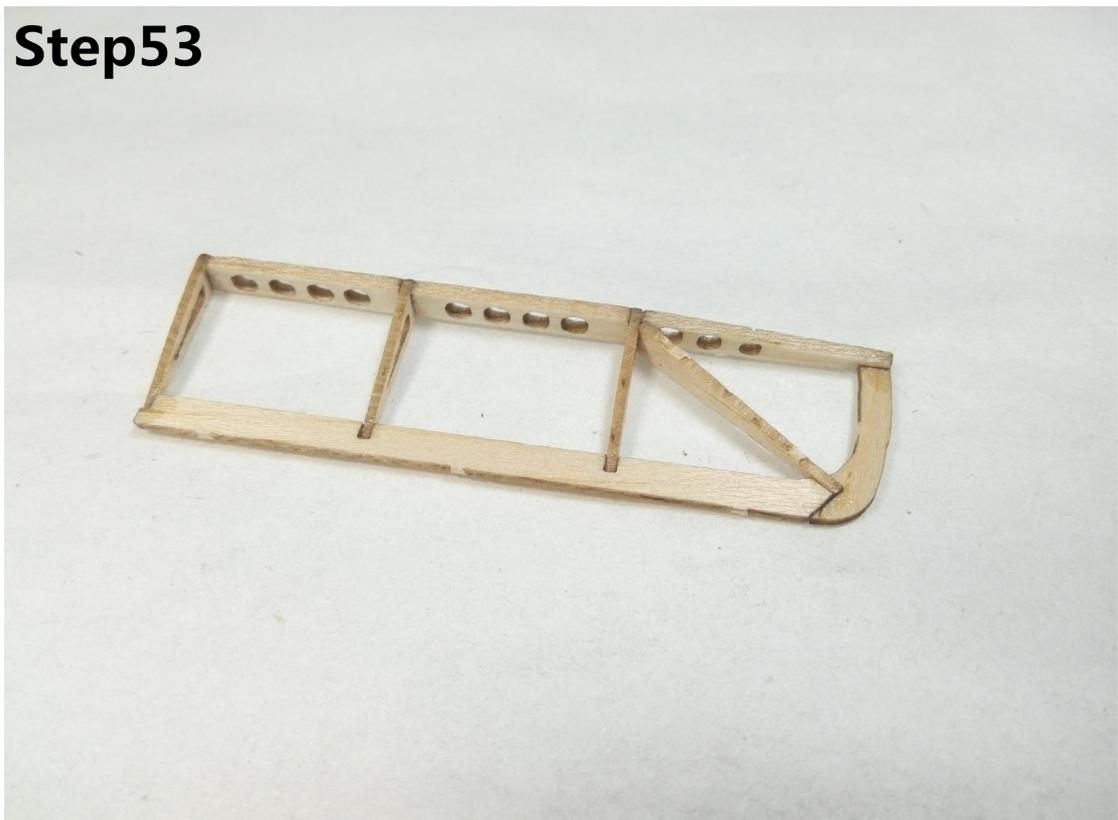
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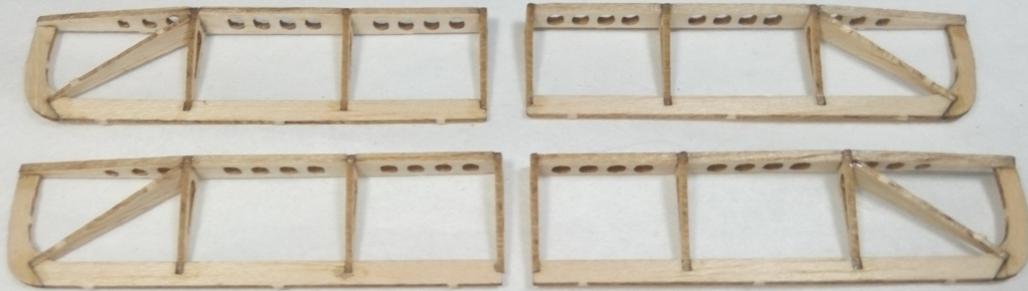
## Step52



## Step53

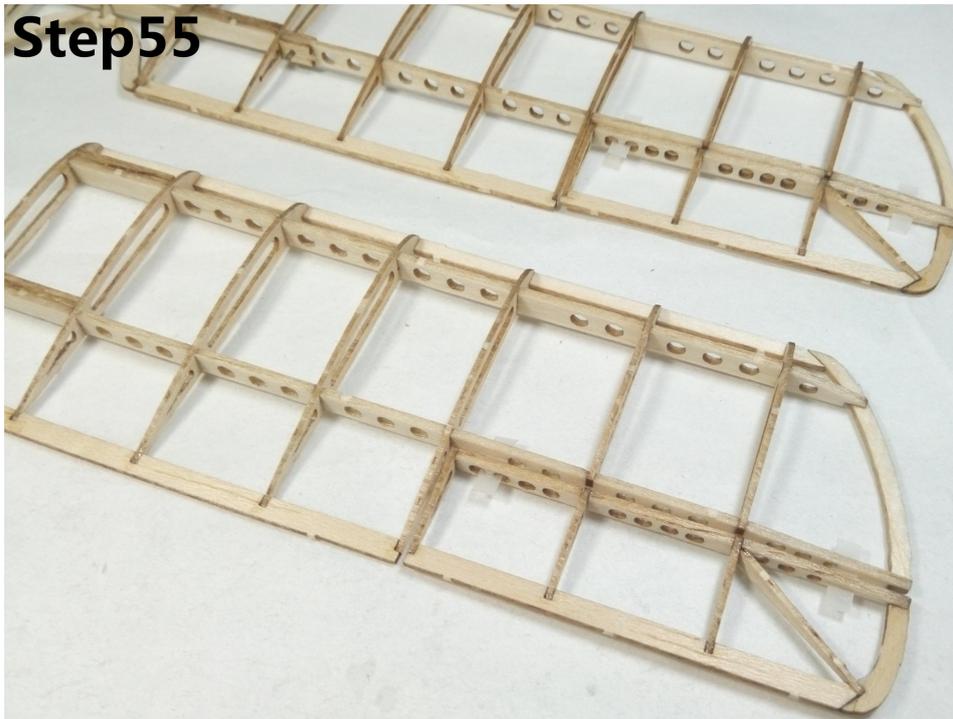


## Step54



**Finish the rest of the ailerons**

## Step55



**Bond the ailerons and wings use micro hinge**

## Step56



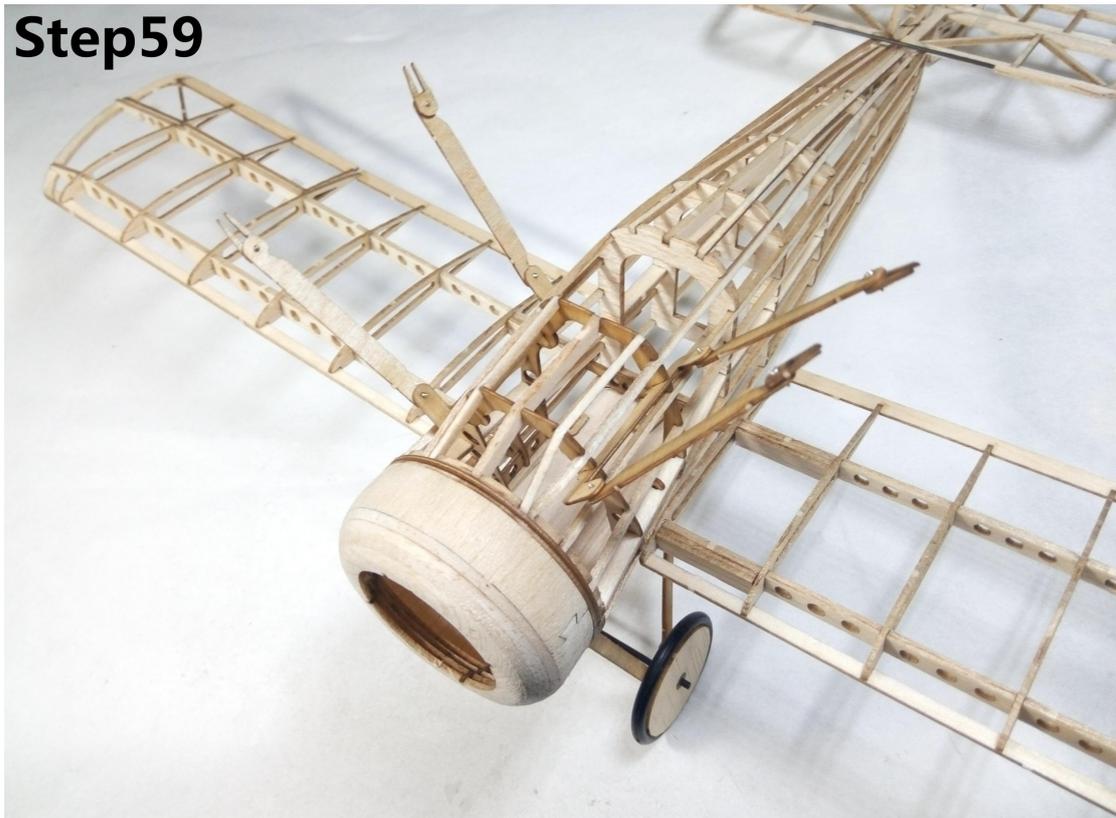
## Step57



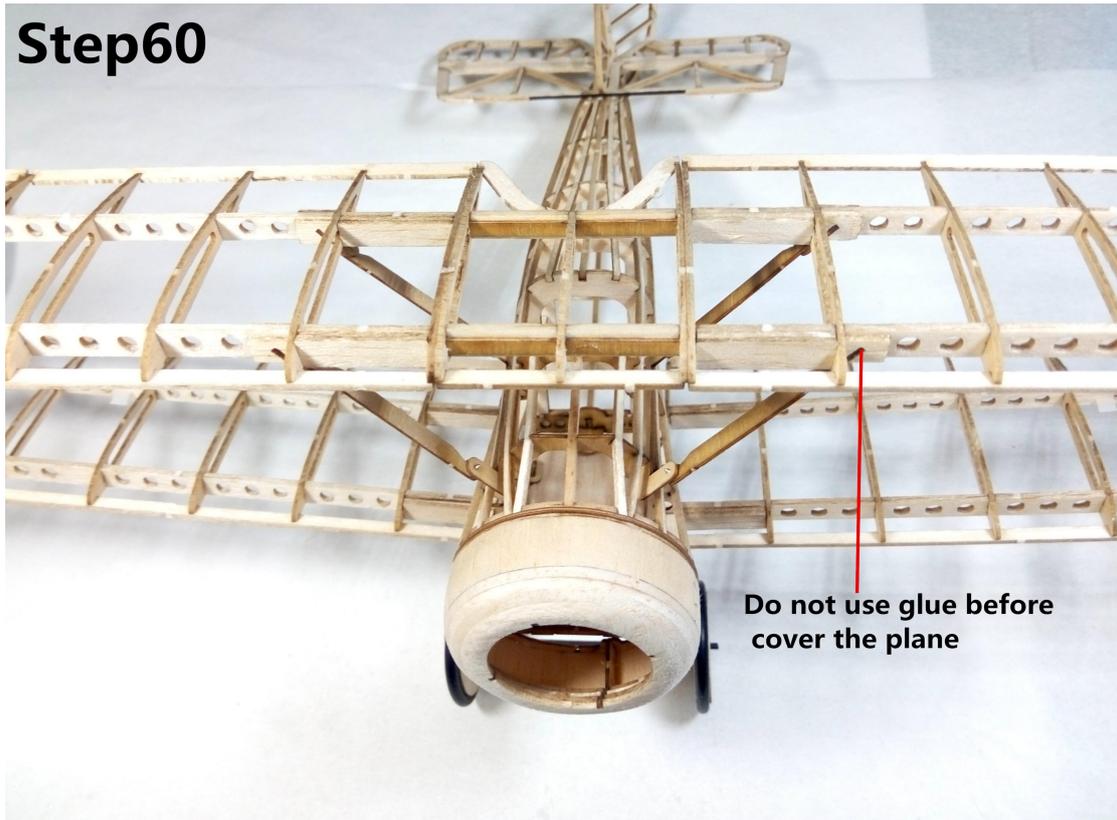
## Step58



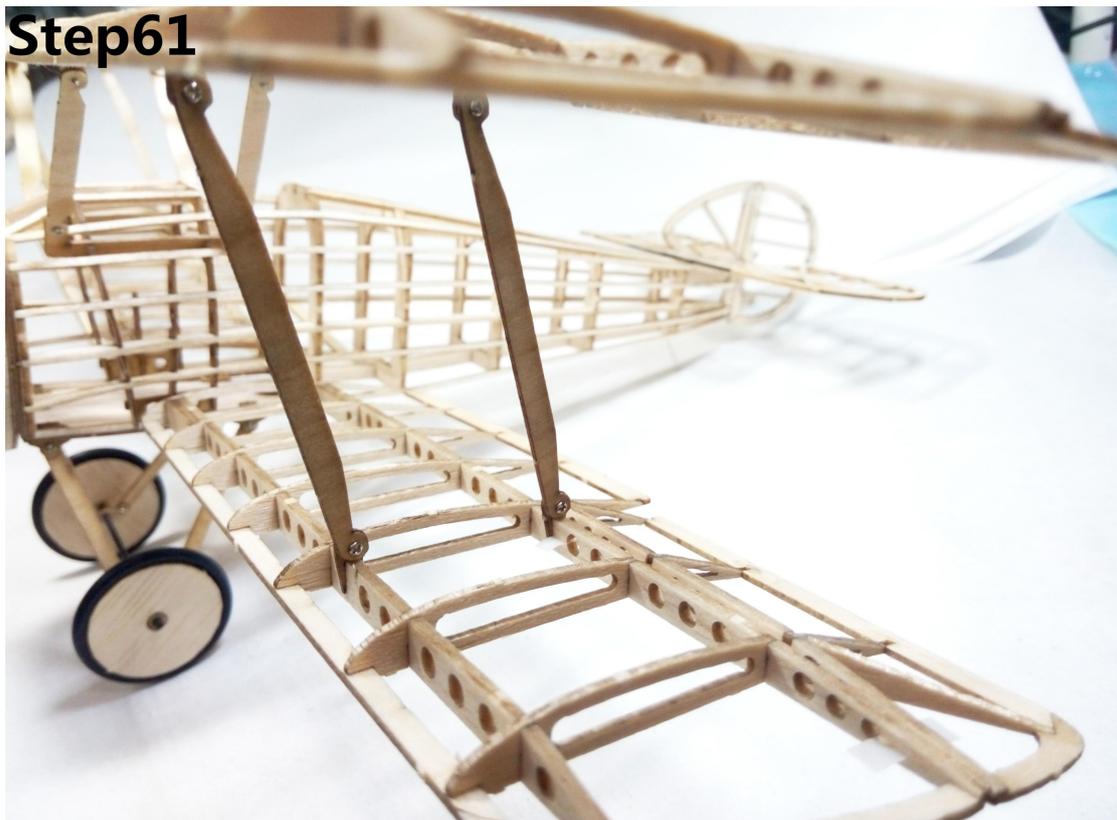
## Step59



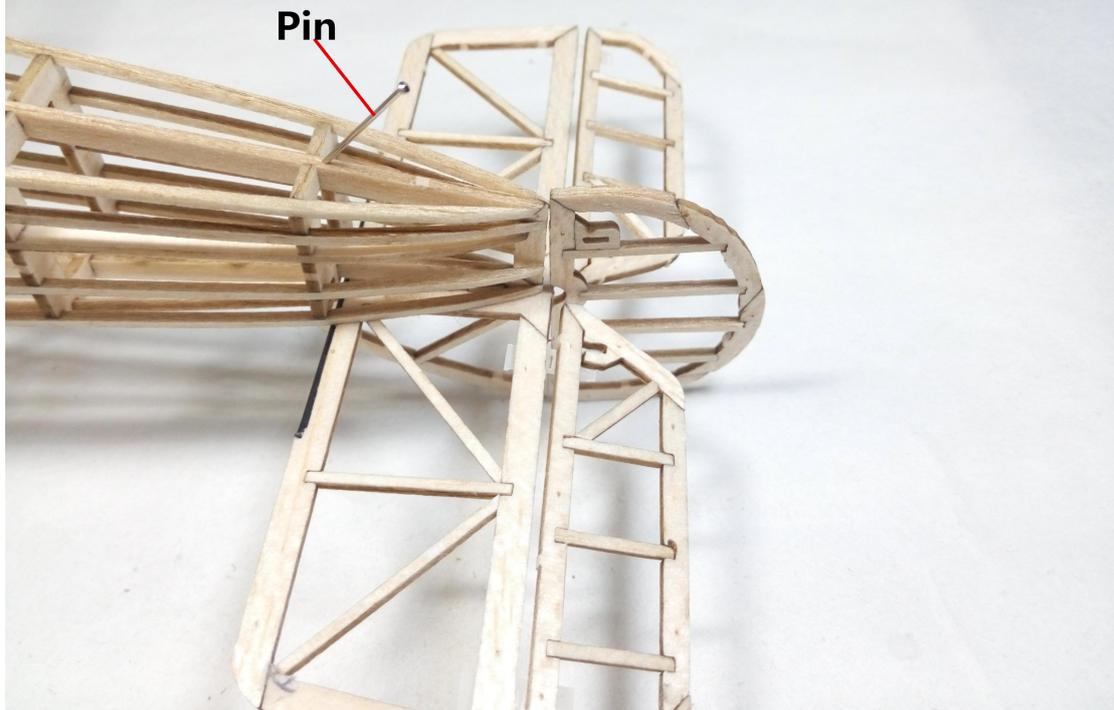
## Step60



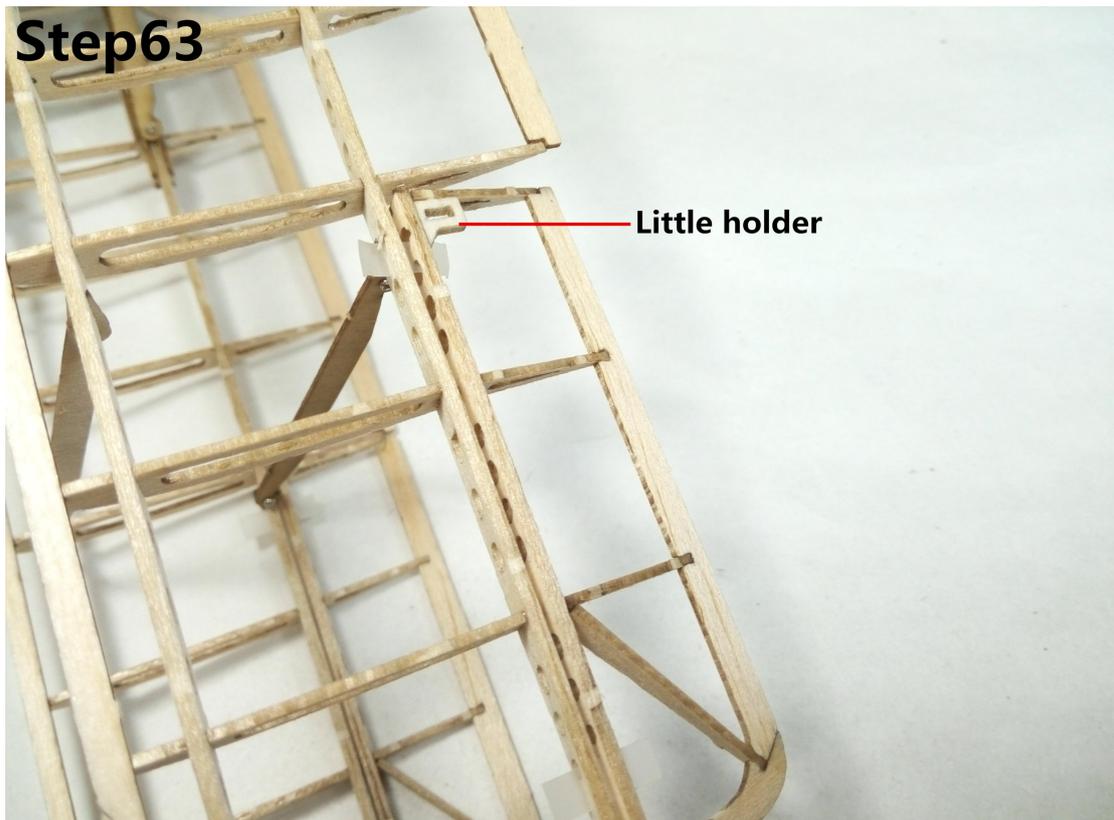
## Step61



## Step62



## Step63



## Part3 Motor holder

### Version of 8.5mm coreless motor

Step1



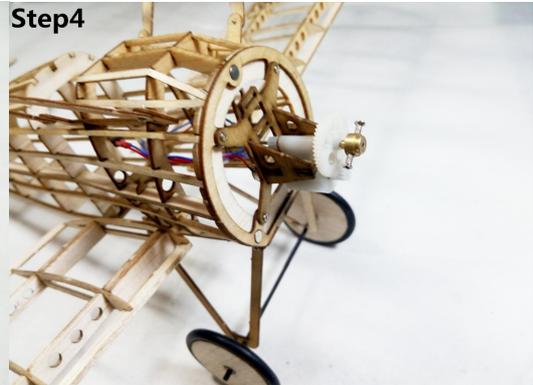
Step2



Step3



Step4



### Version of 1104 brushless motor

Step1



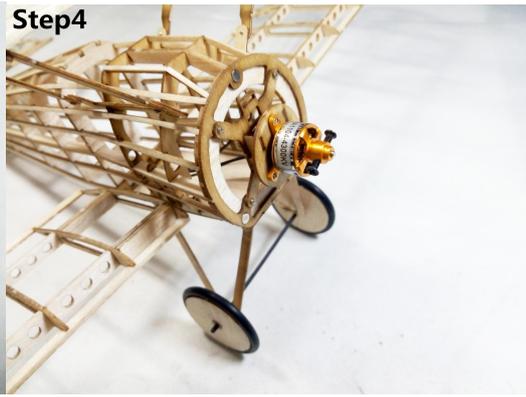
Step2



Step3

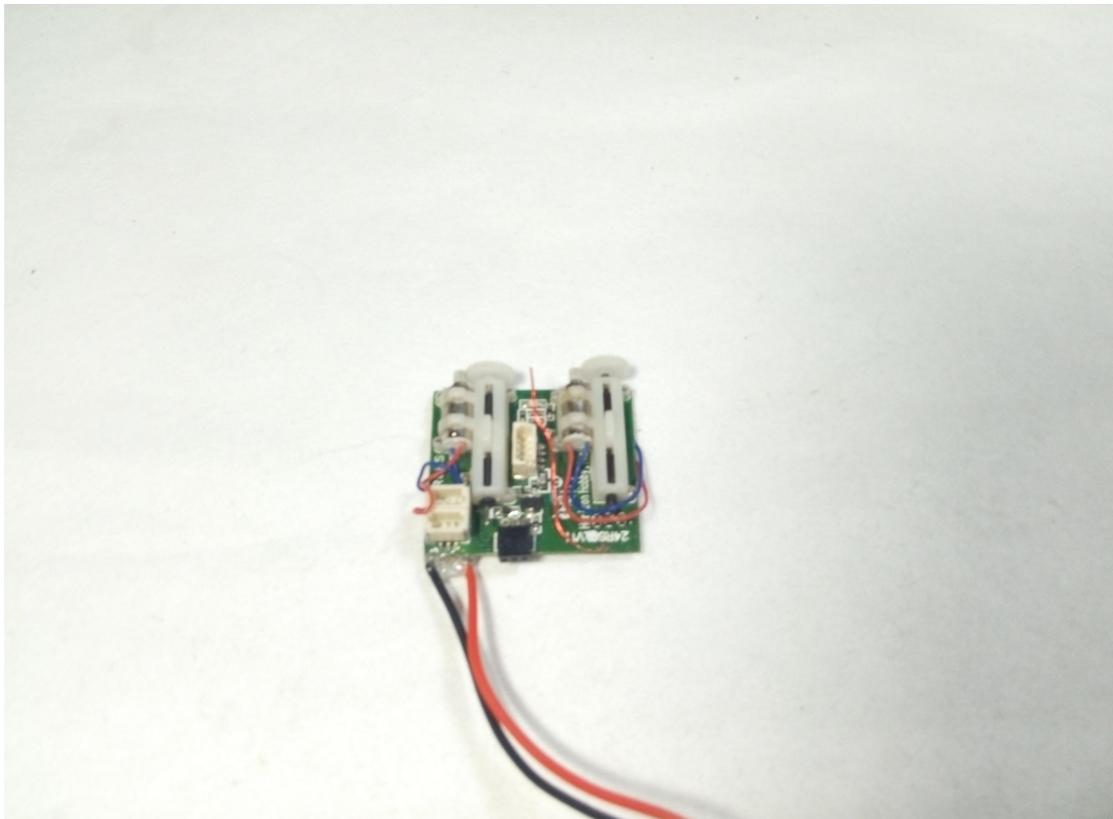


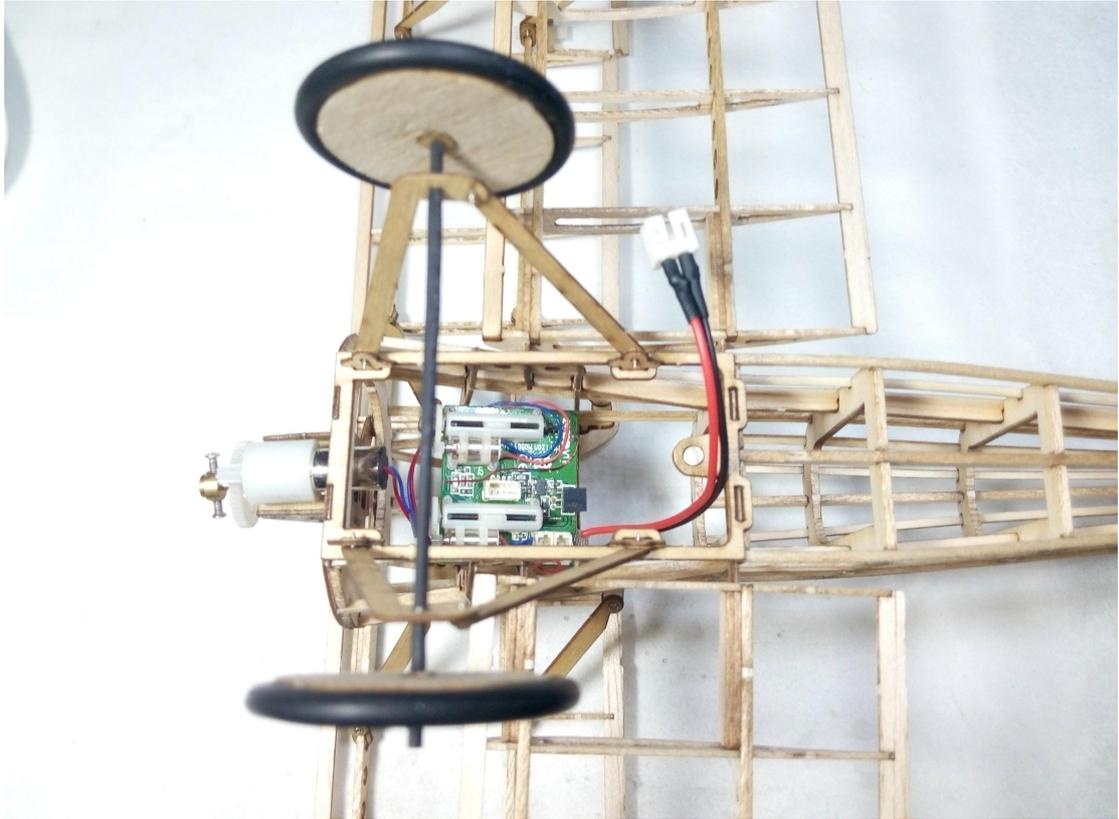
Step4



## Part4 Electronics

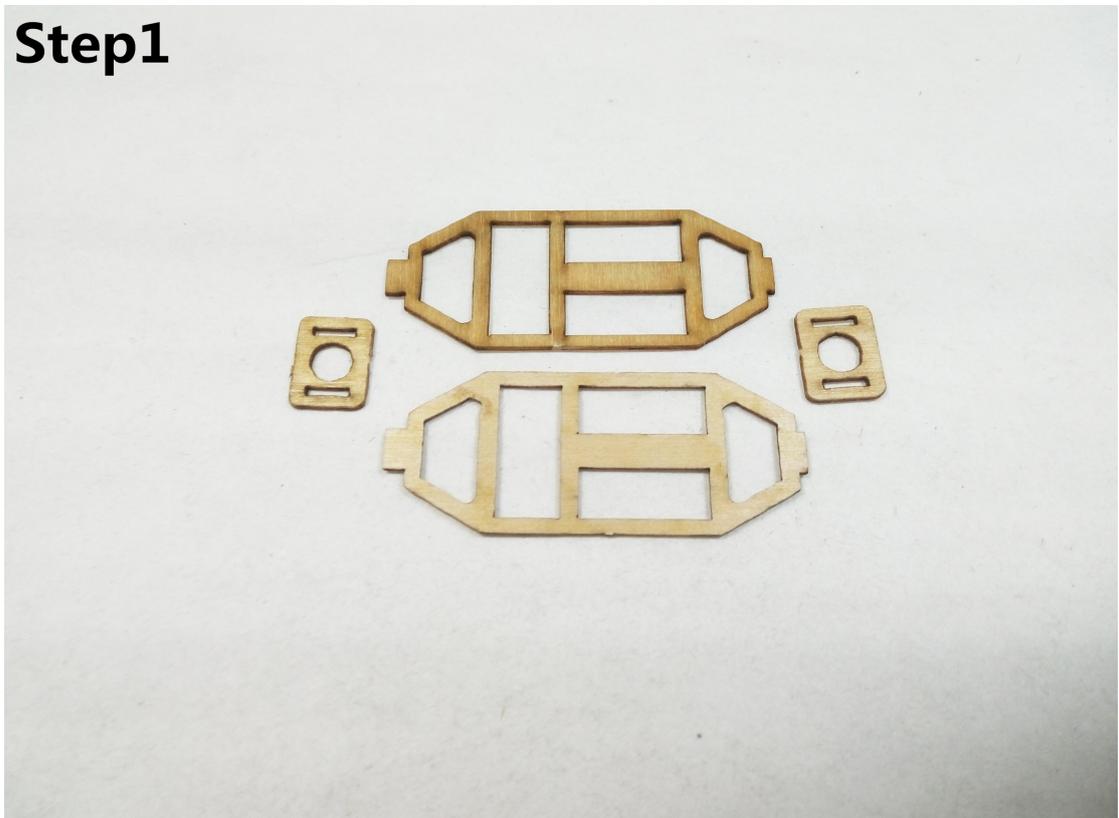
If you use SPMAR6400 micro receiver





If you use others micro DSM2 receiver

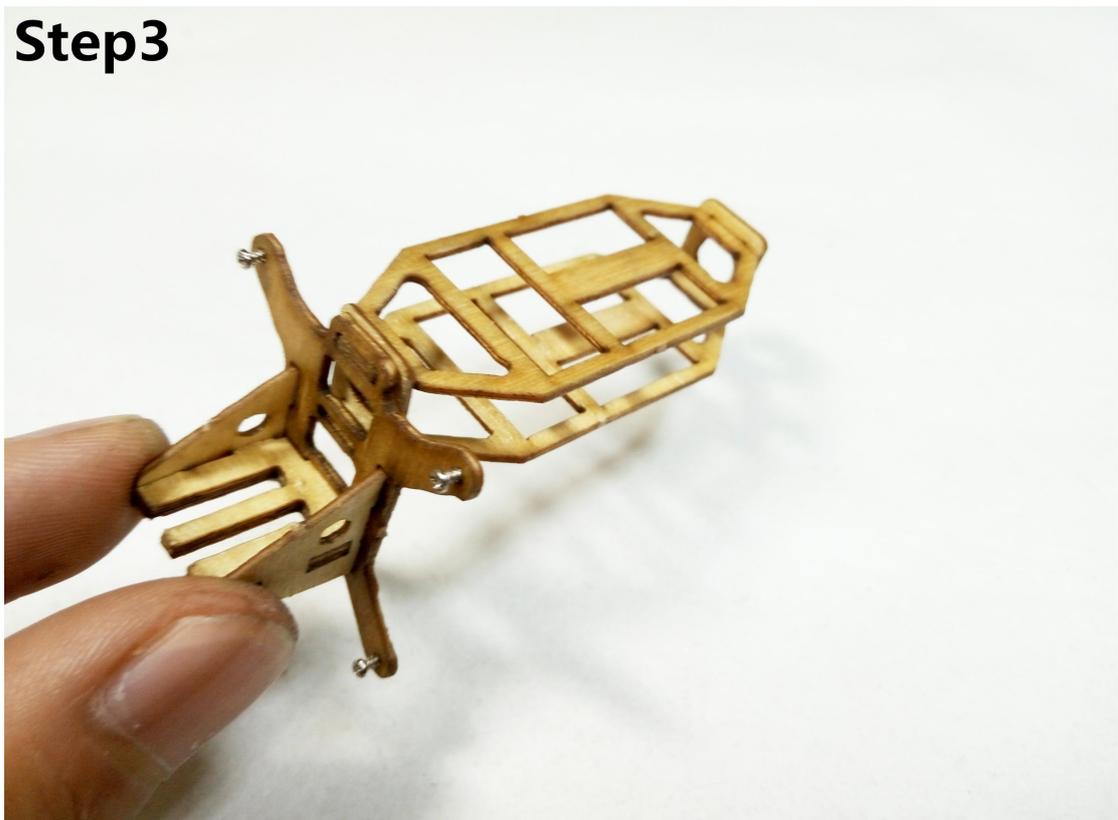
## Step1

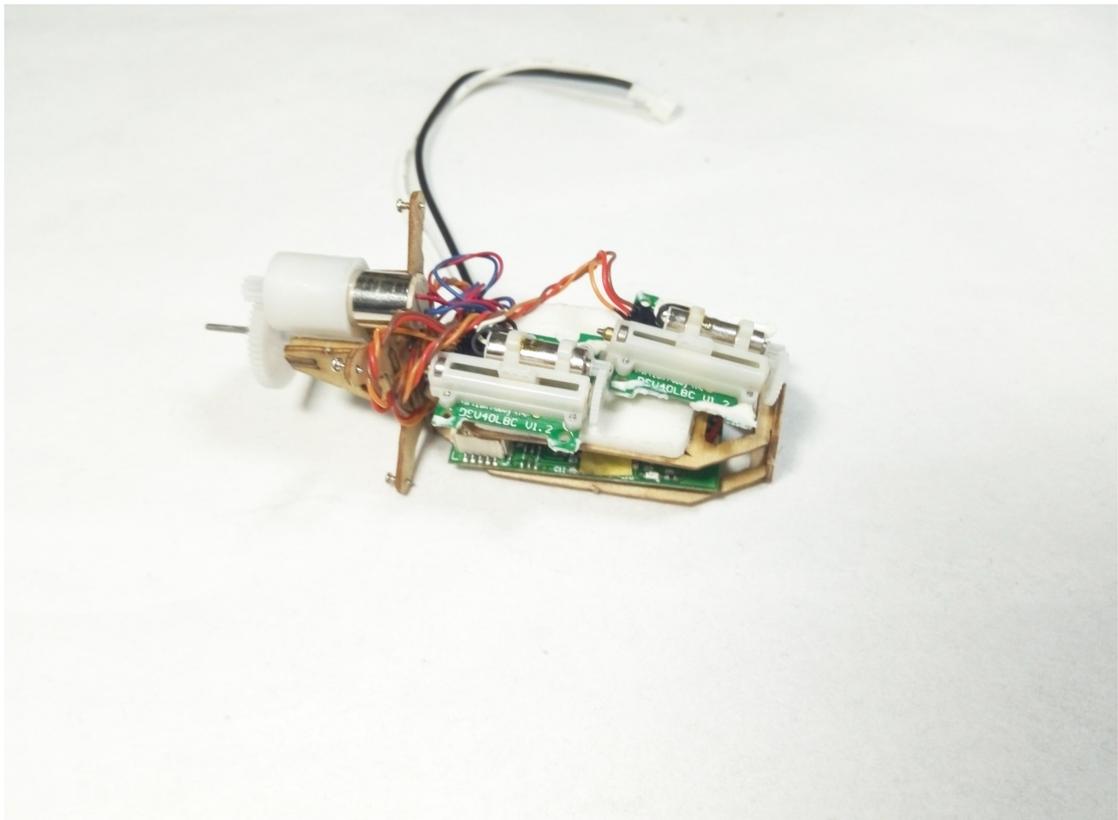
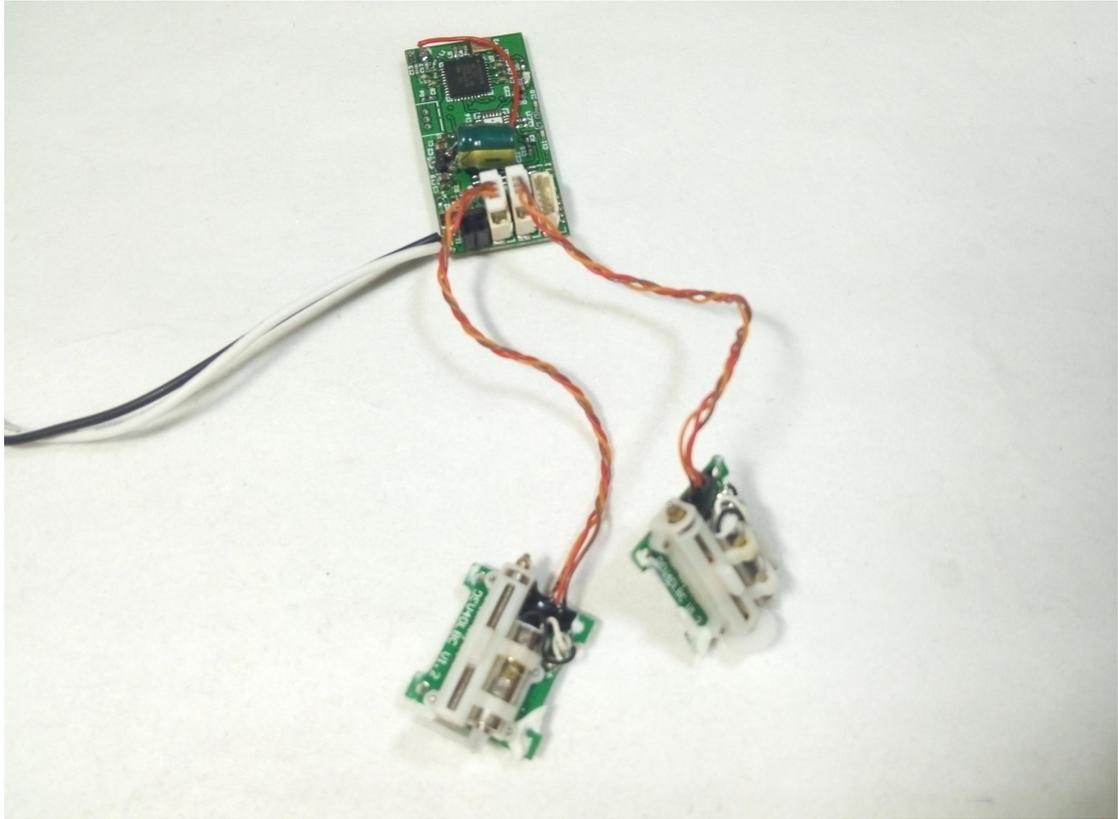


**Step2**

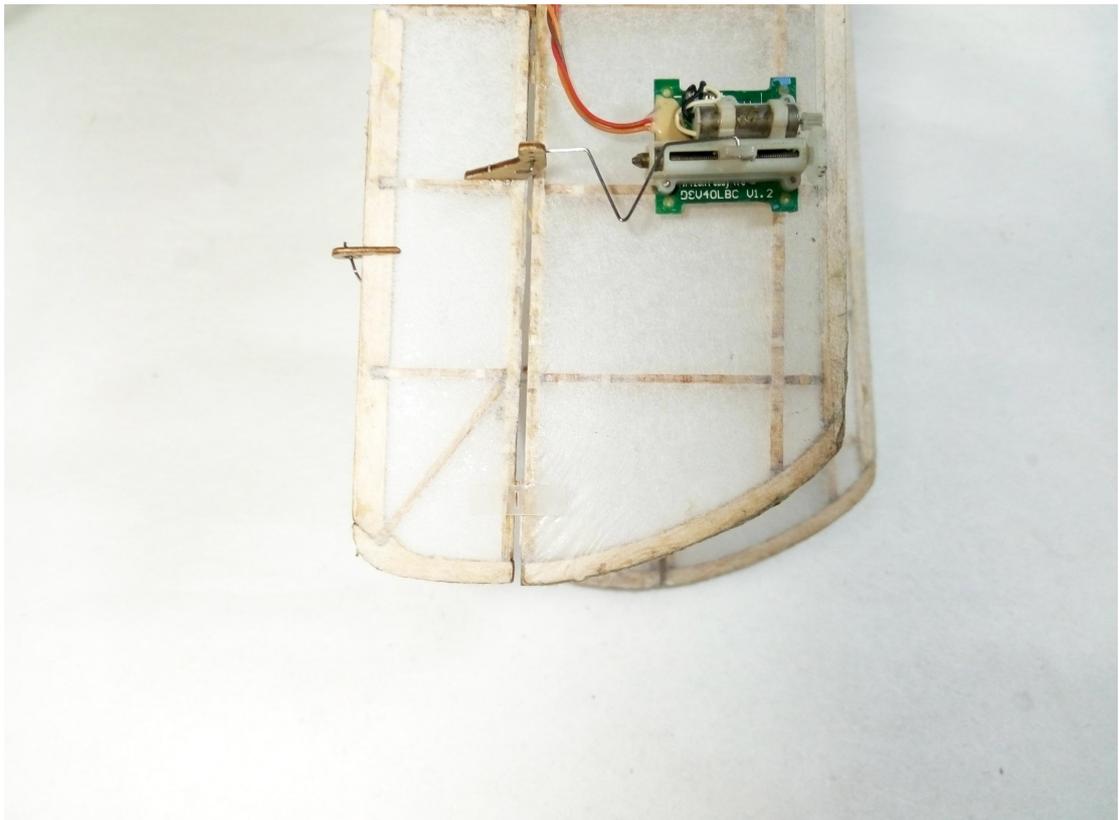
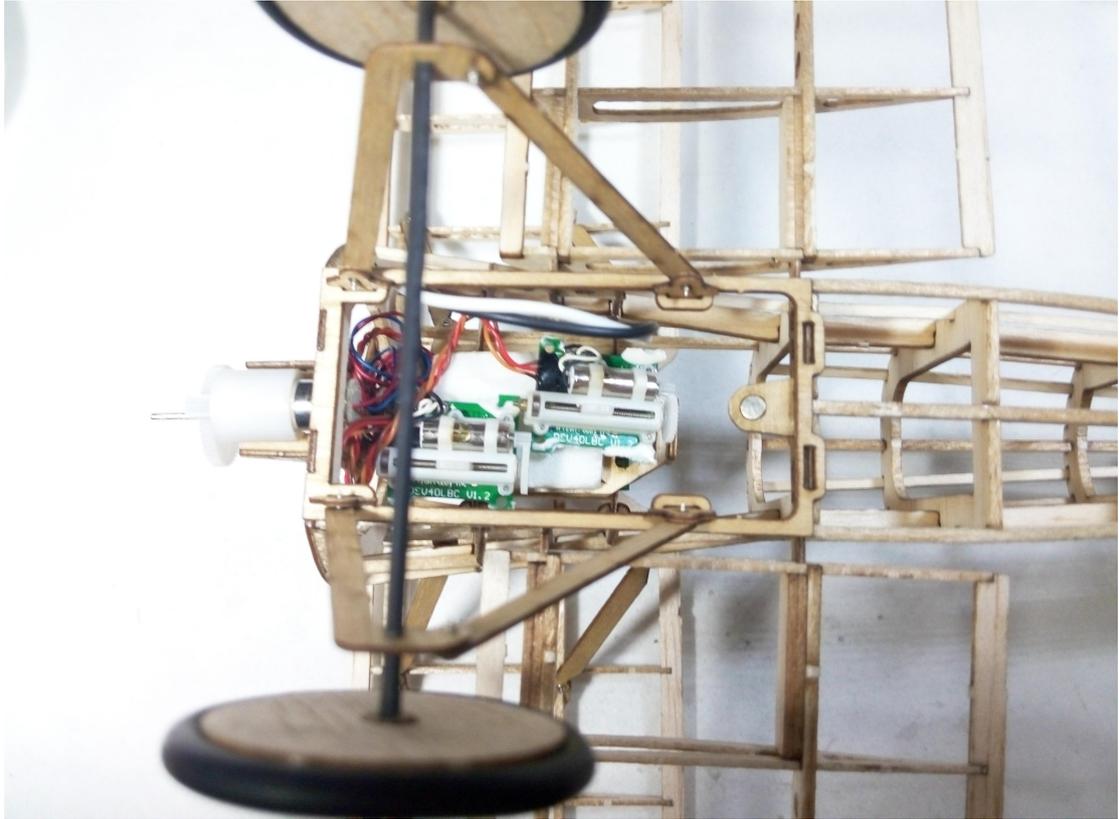


**Step3**





You can also put the 1.7g Micro Rockerarm servo in the quick release module!





Now, you have finished the plane's framework, before fly it, you need to cover it use tissue. If you don't know how to cover your plane, you can learn how to it in following website:

<http://www.ffscale.co.uk/comp8.htm>



***Thank you for your purchase.***



**Tony Ray's AeroModel**



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**If you have any trouble or feedback, Please contact us**

**mailbox : [2721100643@qq.com](mailto:2721100643@qq.com)**