

# Mini Sopwith Camel Fighter Build Instructions

## Tony Ray' s Peanut scale

○ Mini Sopwith Camel Fighter / Wing Span: 380mm /Average Flying Weight: 45g / Receiver: DSM2 Micro Receiver / Motor: 8.5mm Coreless motor / Servo: 1.7g micro servo / Prop: 5.5in prop



### 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

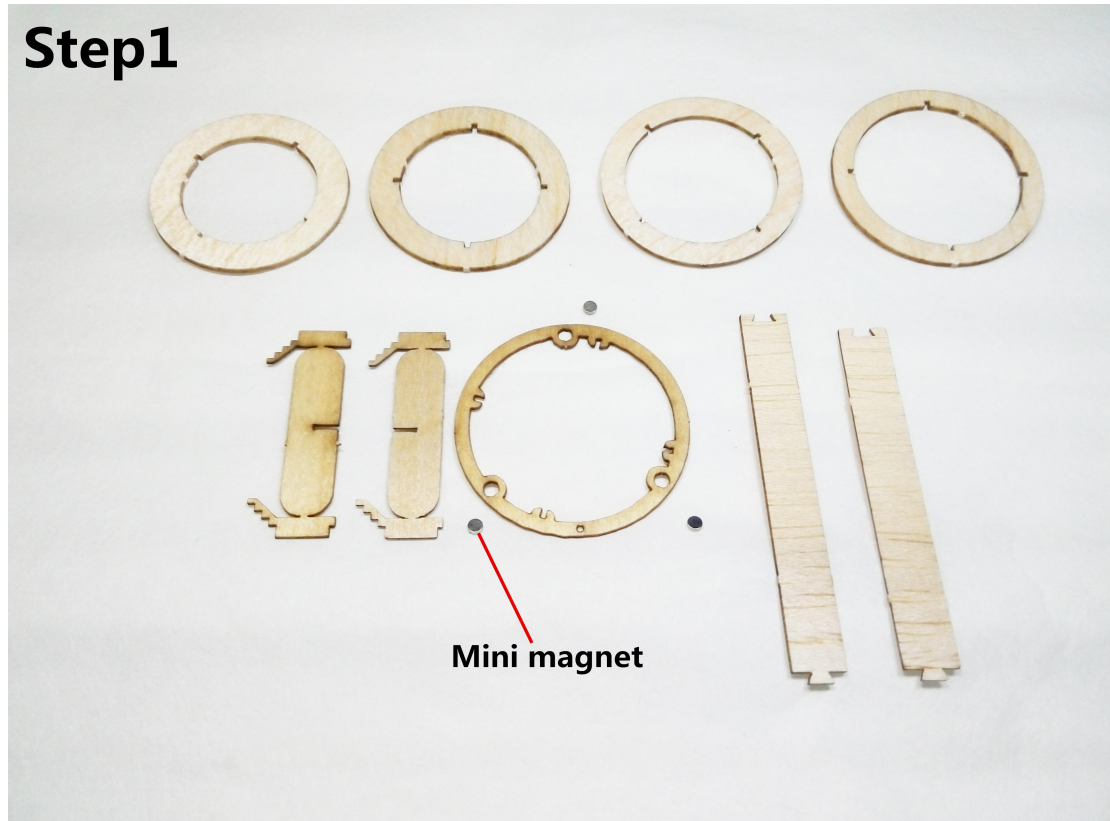
### Required Electronics

- 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

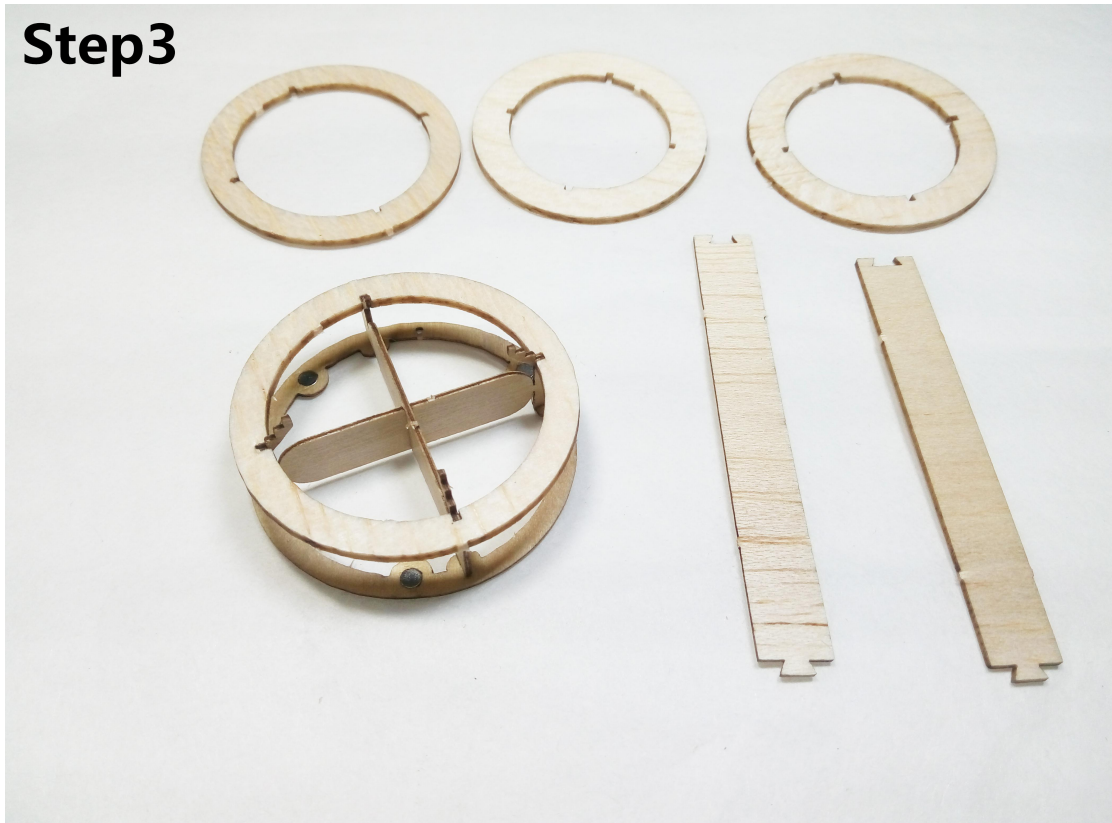


### Step2





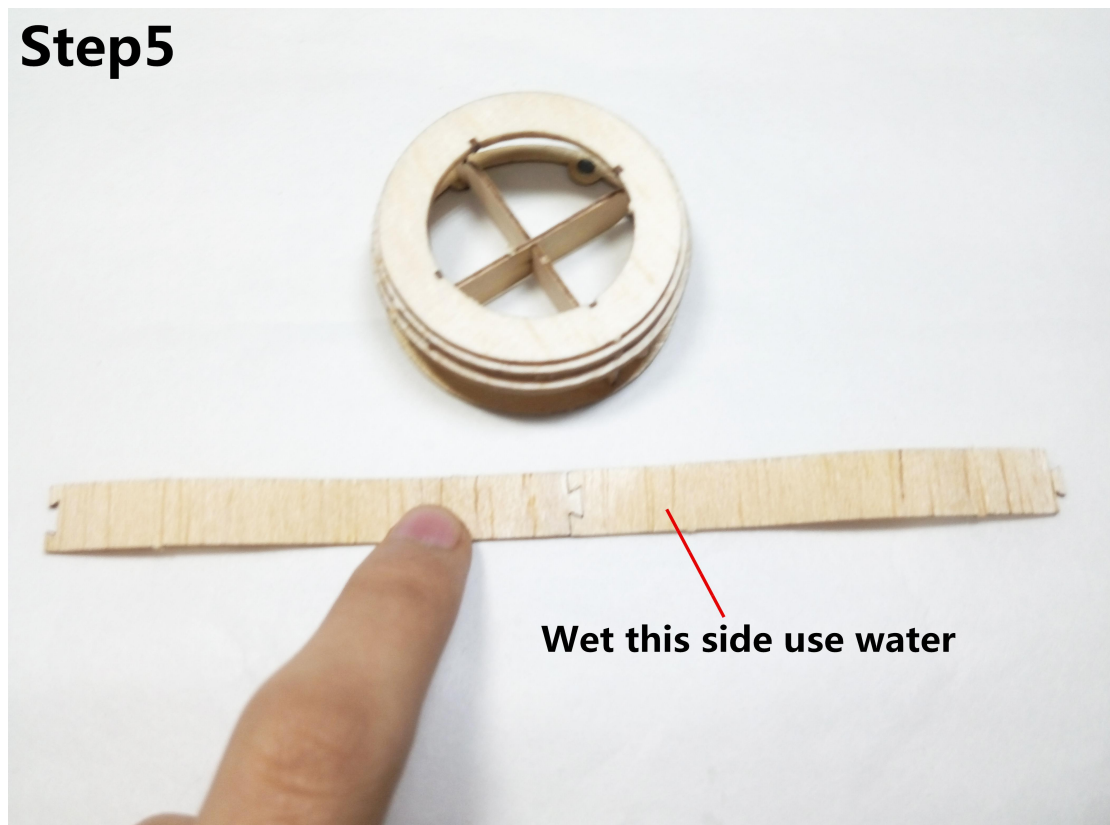
### Step3



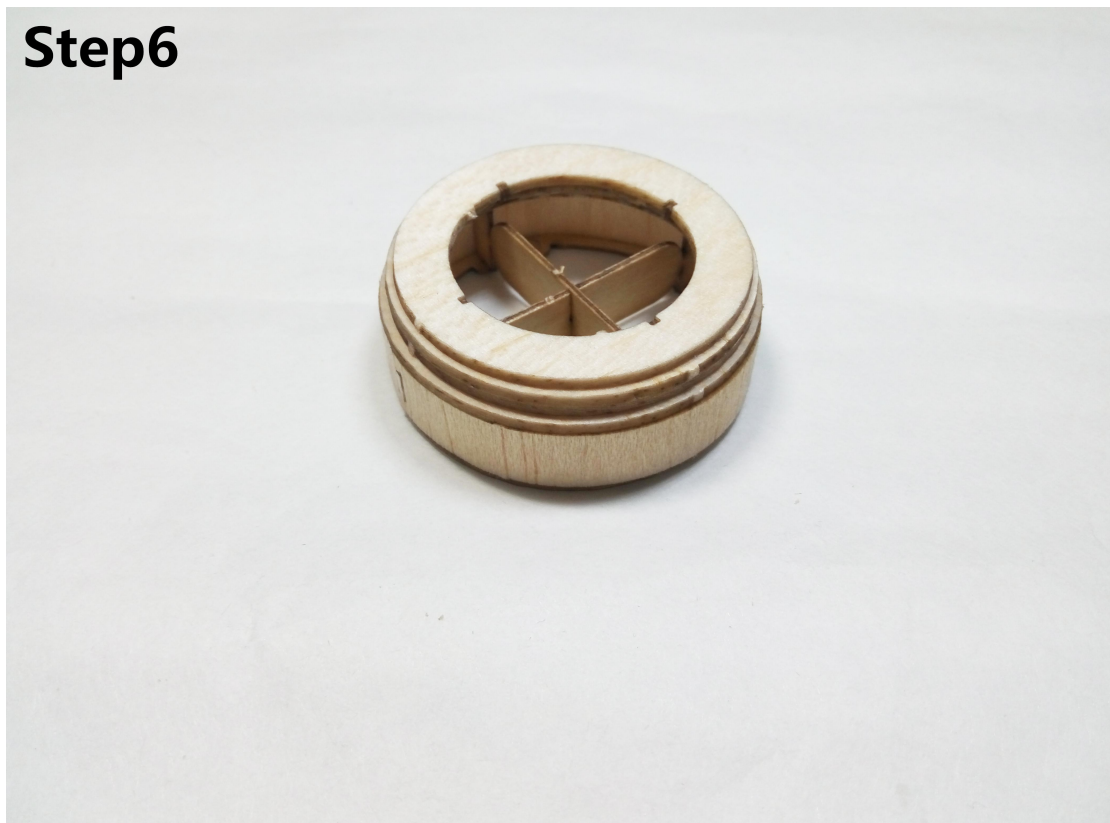
### Step4



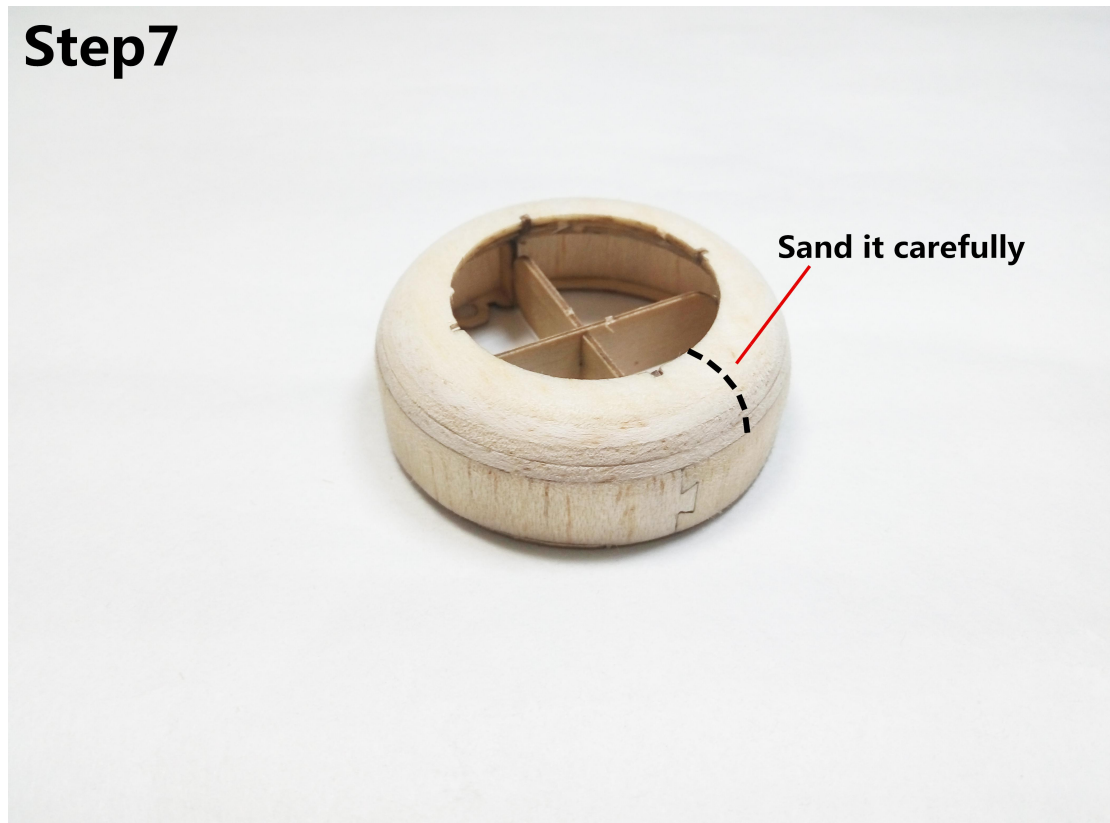
## Step5



## Step6



## Step7



## Step8

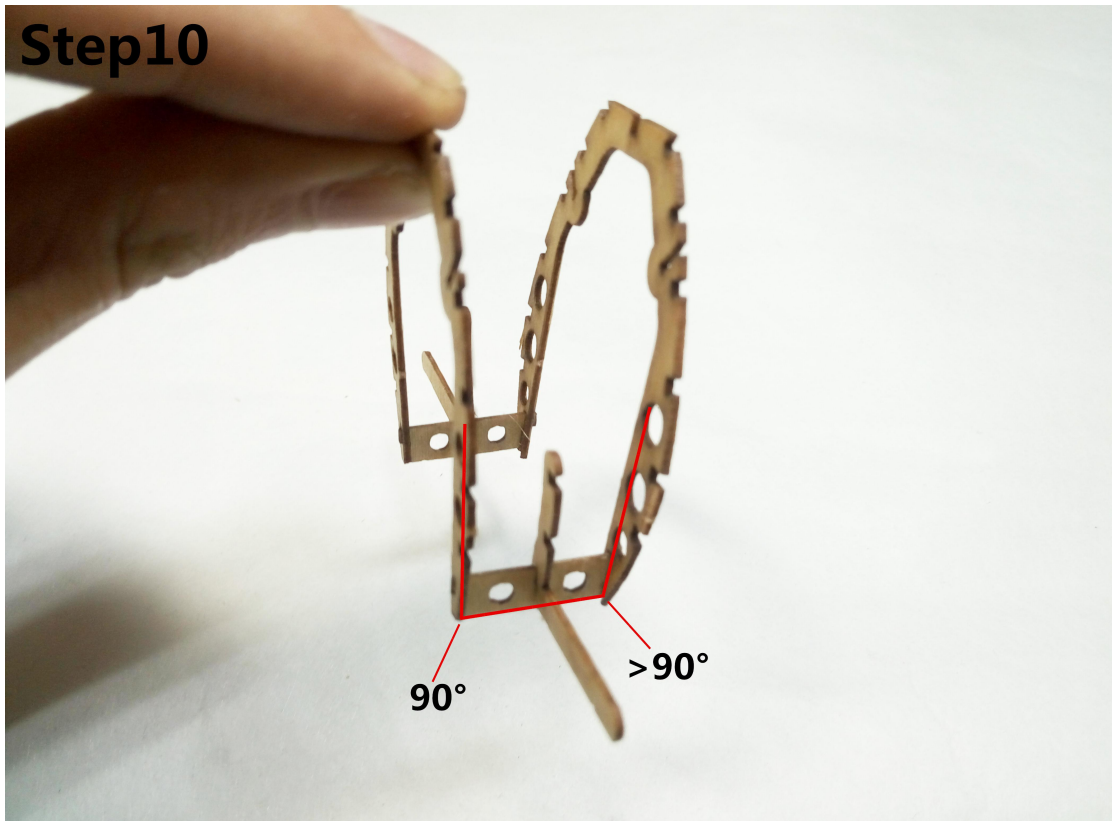




## Step9



## Step10





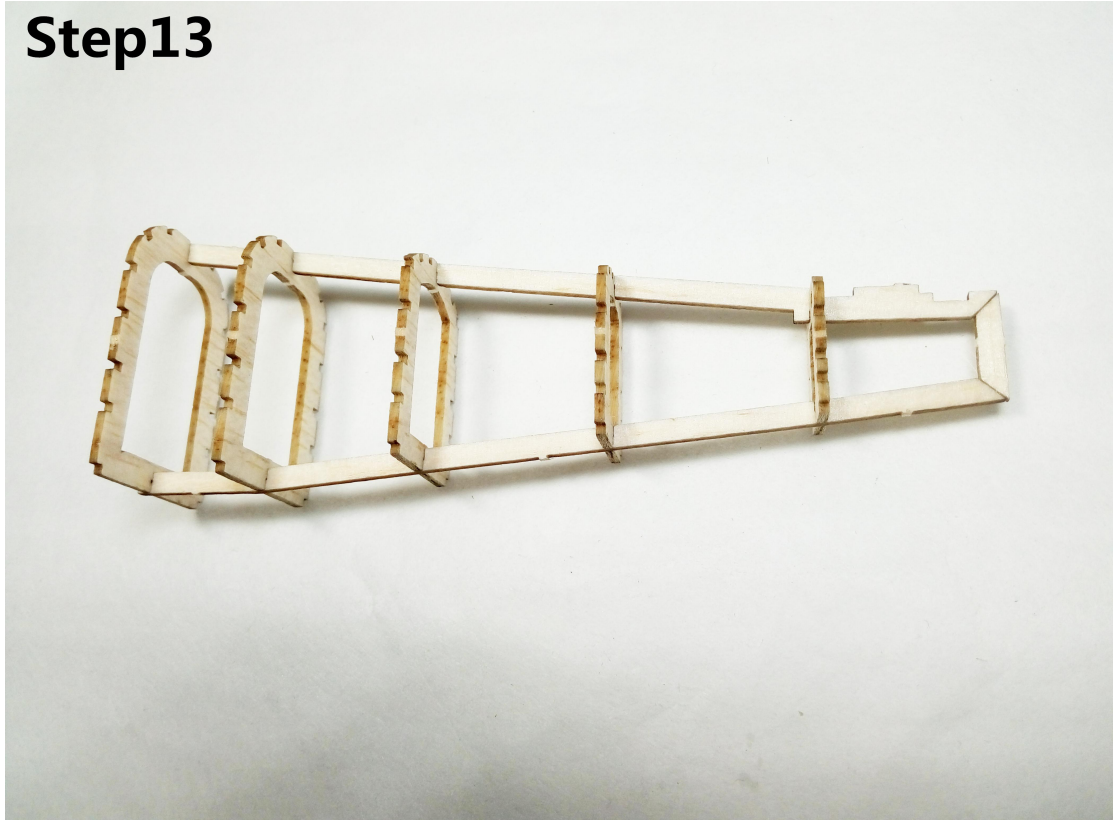
## Step11



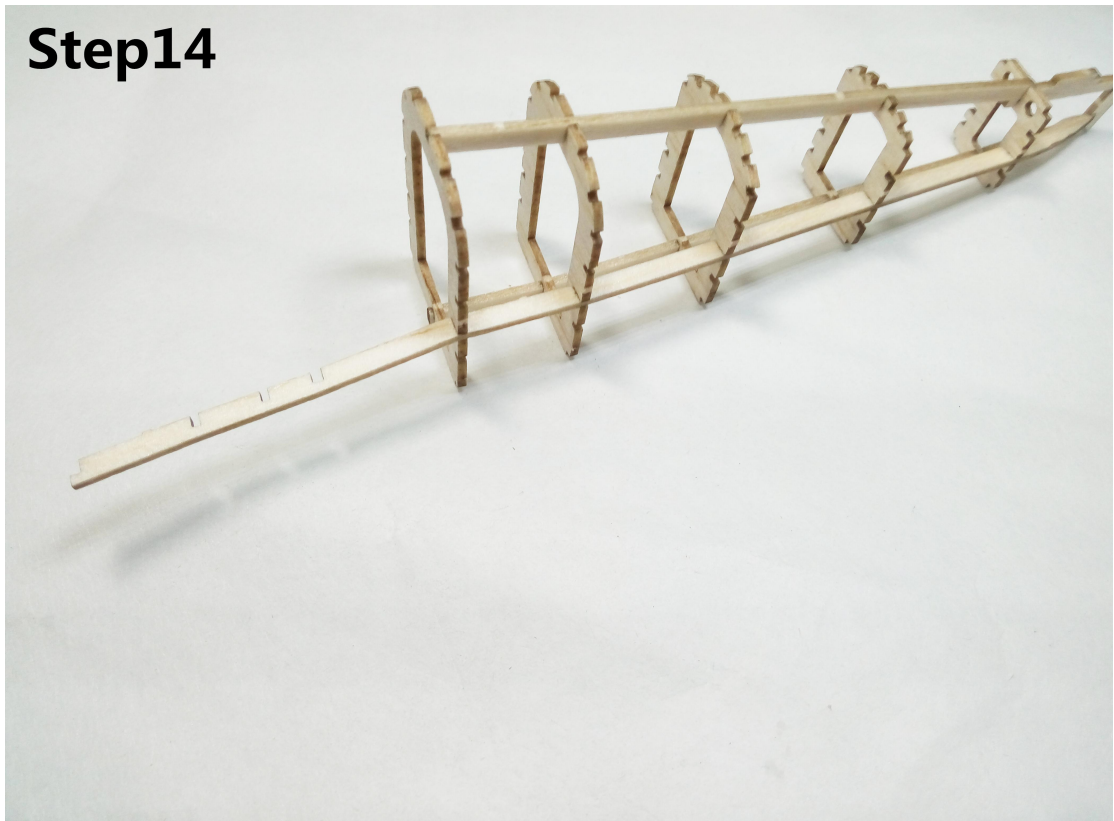
## Step12



## Step13

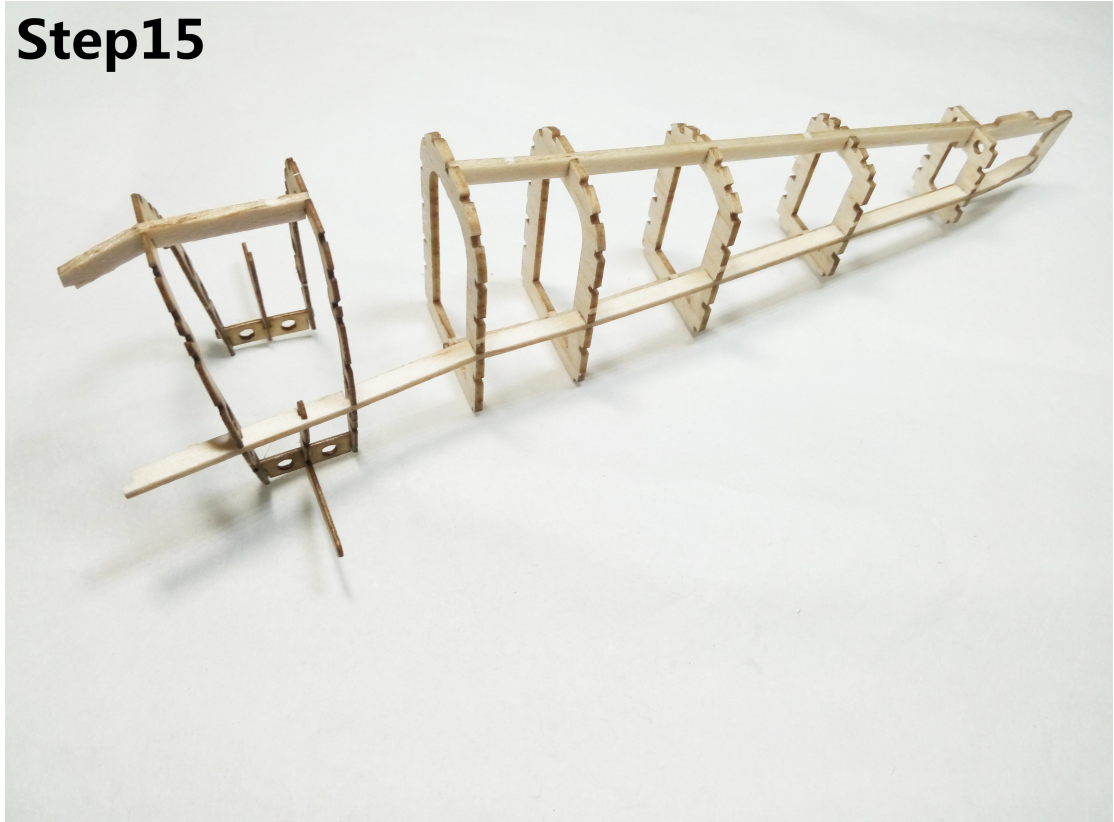


## Step14

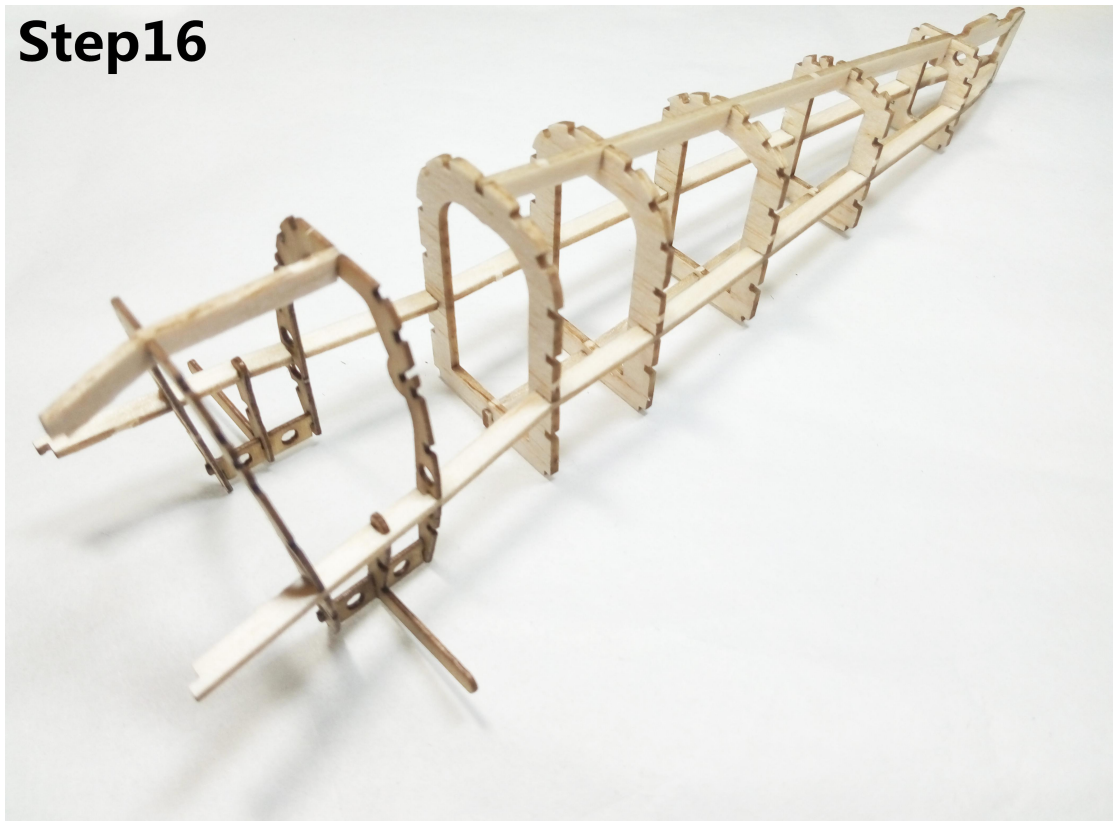




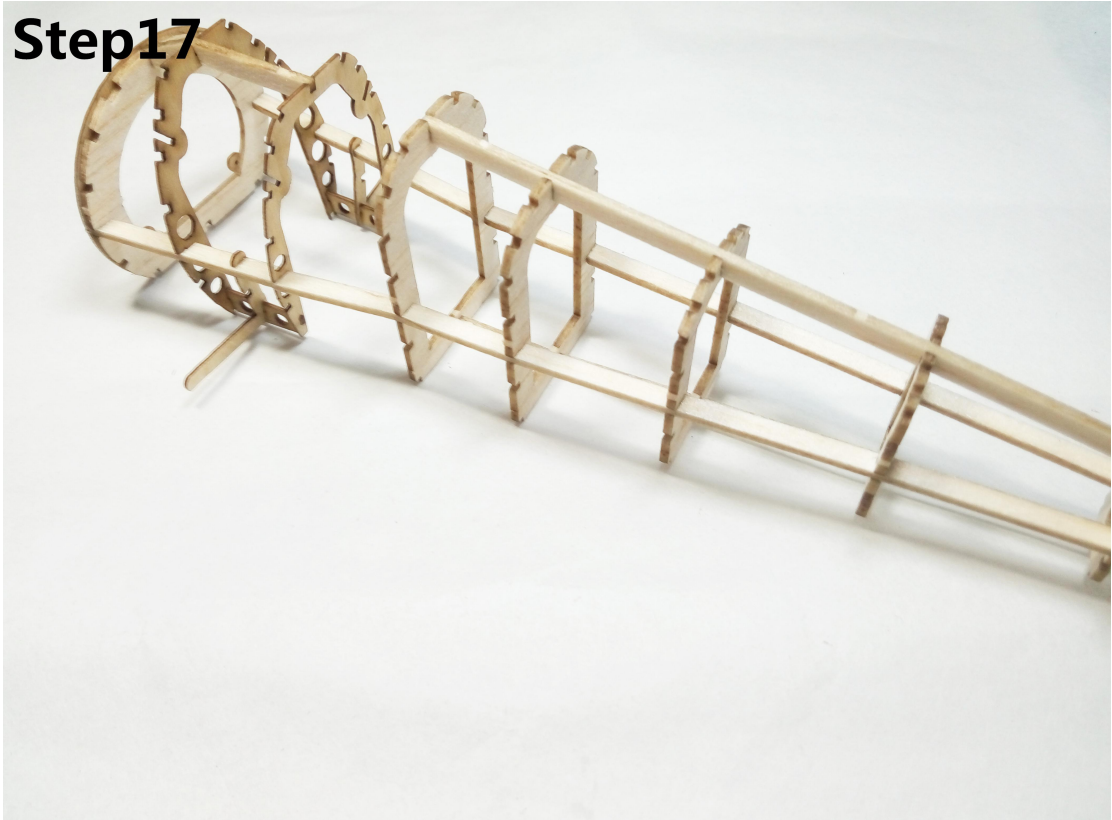
## Step15



## Step16



**Step17**

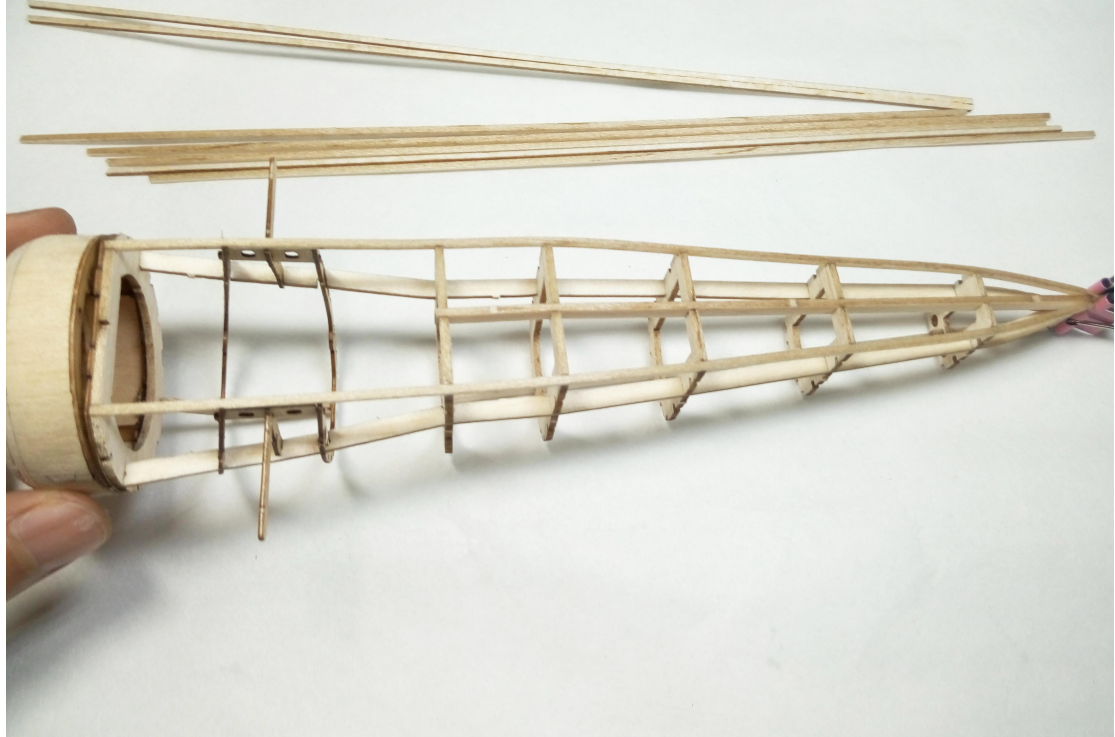


**Step18**





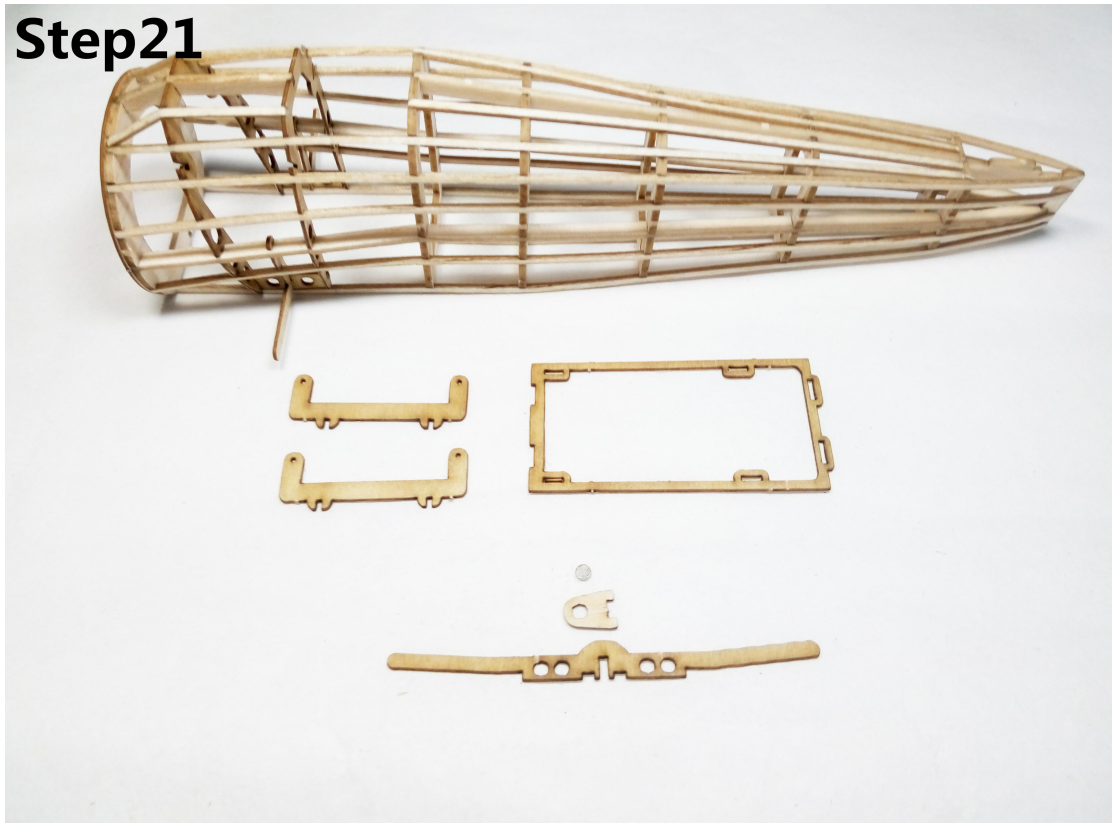
## Step19



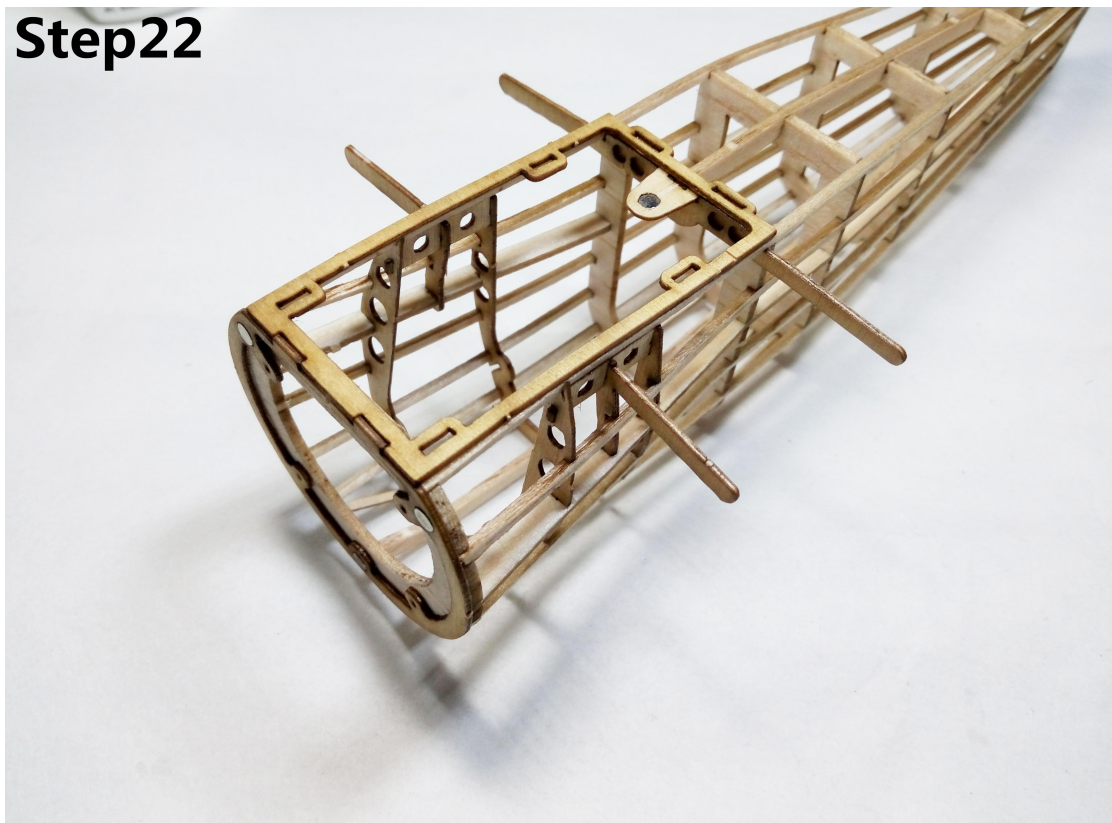
## Step20



## Step21

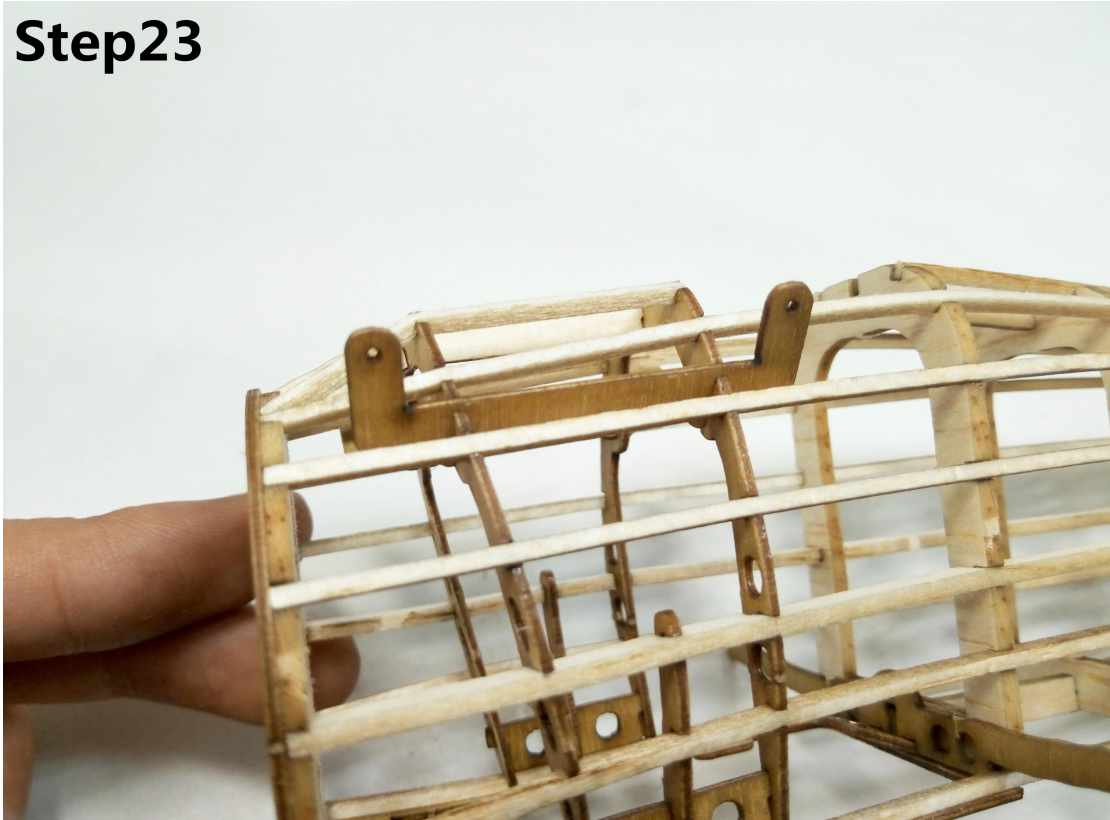


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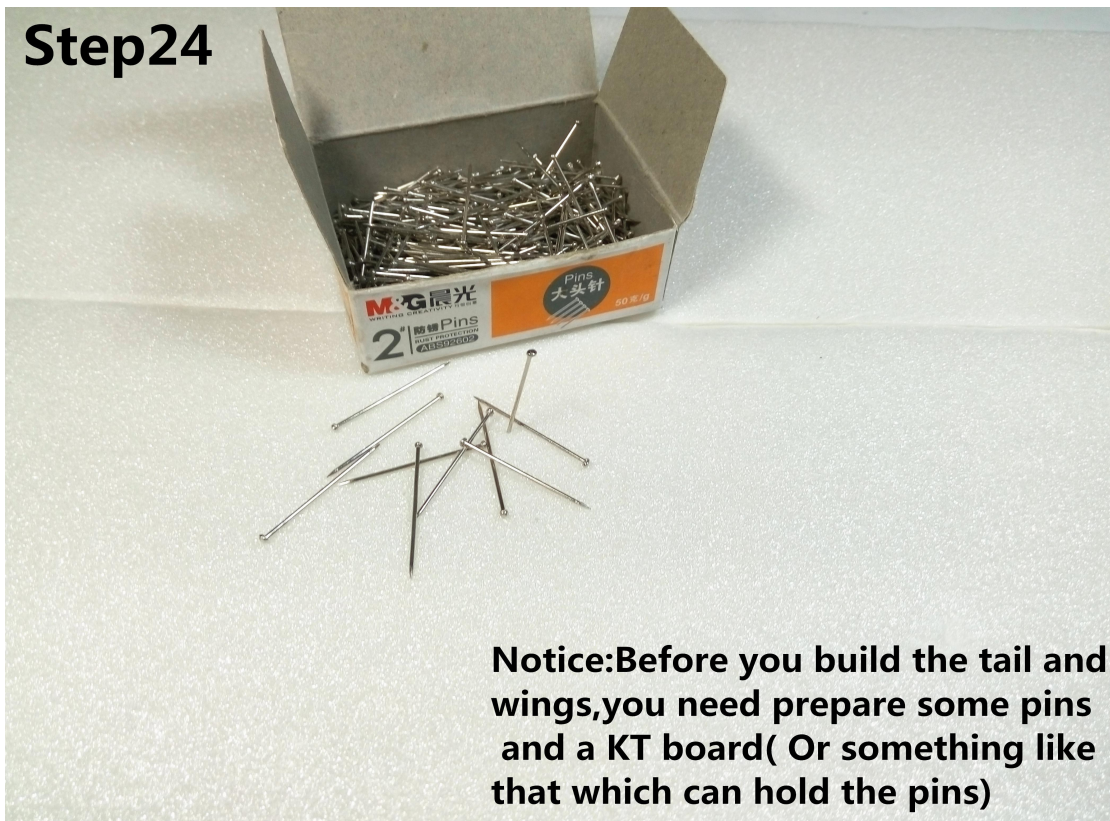




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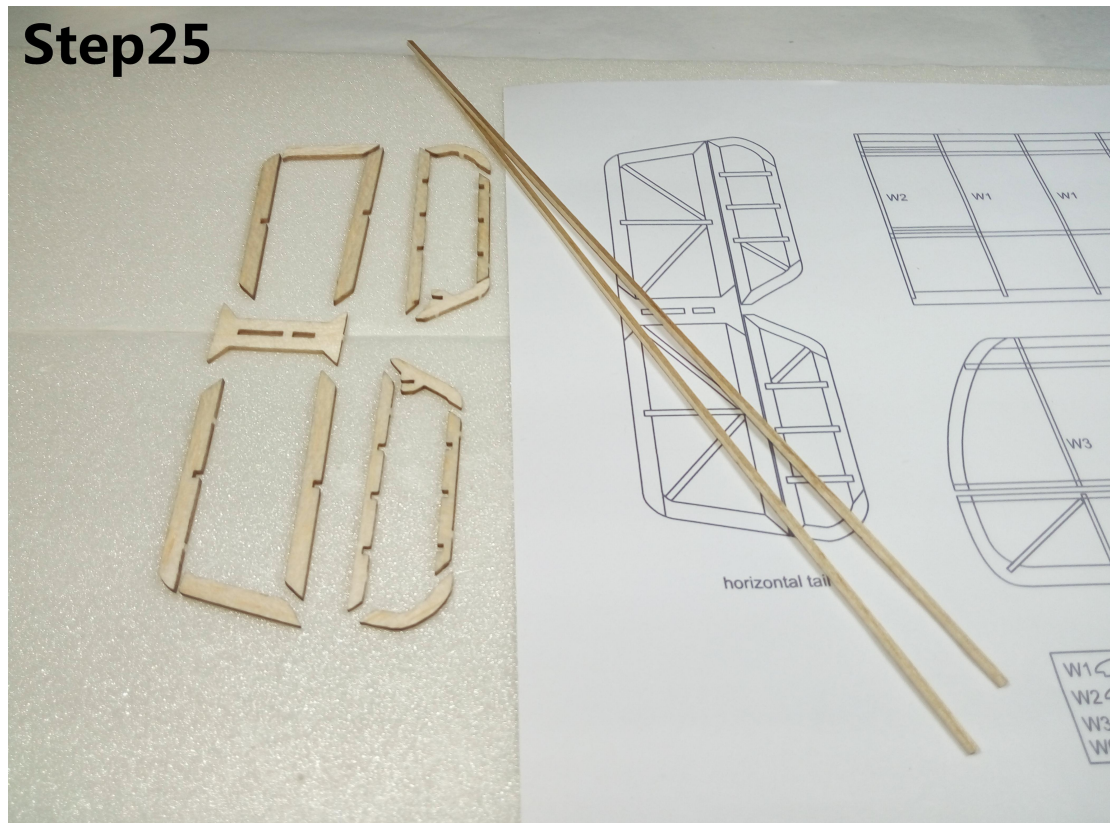


## Step24

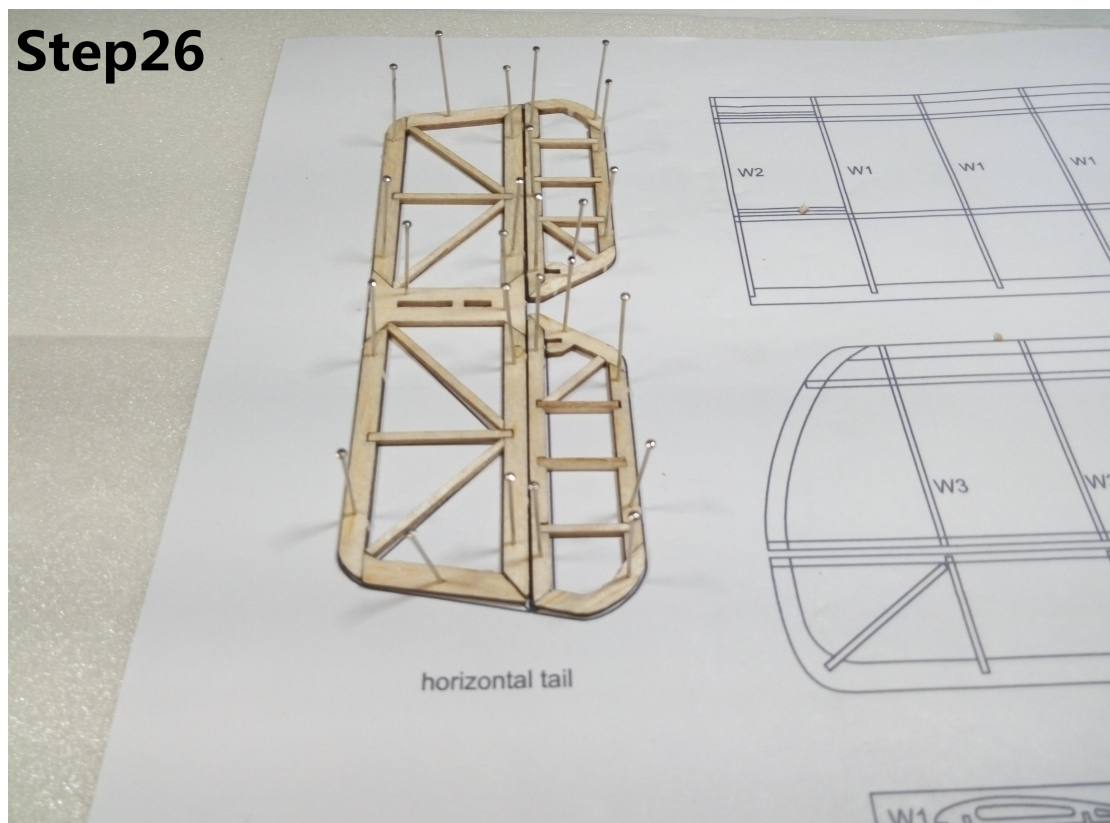


**Notice:**Before you build the tail and wings,you need prepare some pins and a KT board( Or something like that which can hold the pins)

## Step25

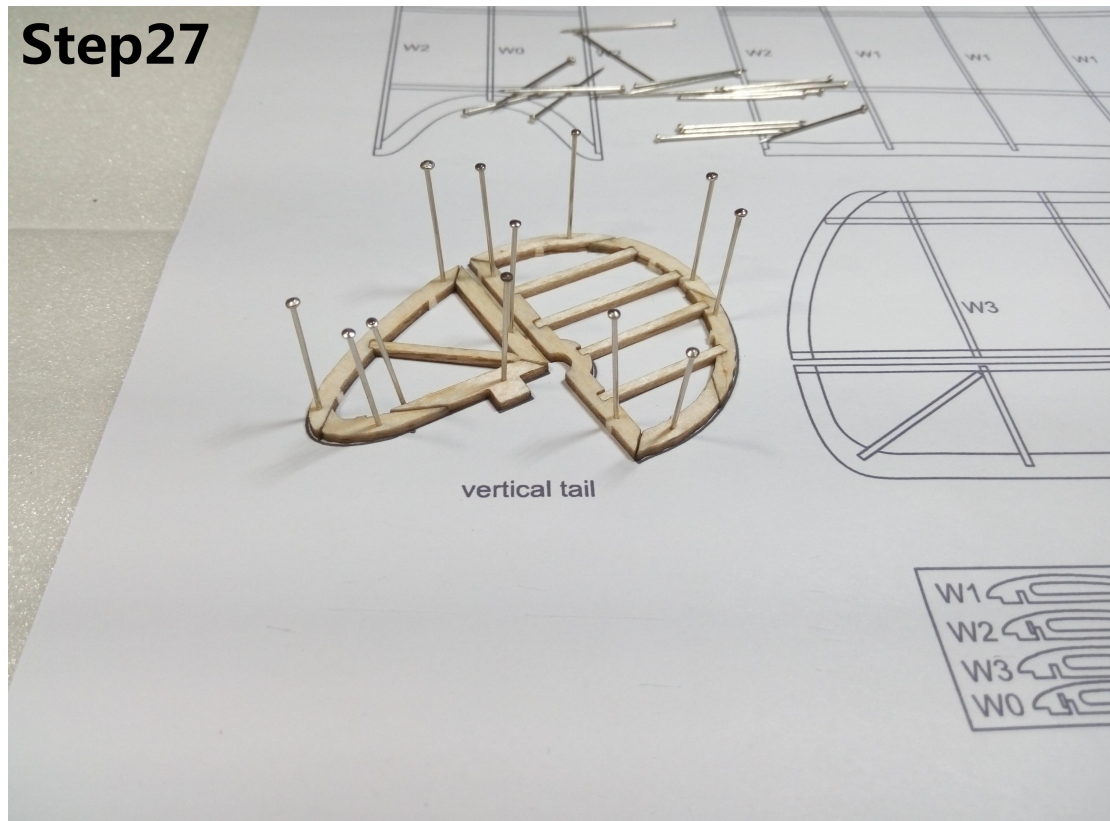


## Step26

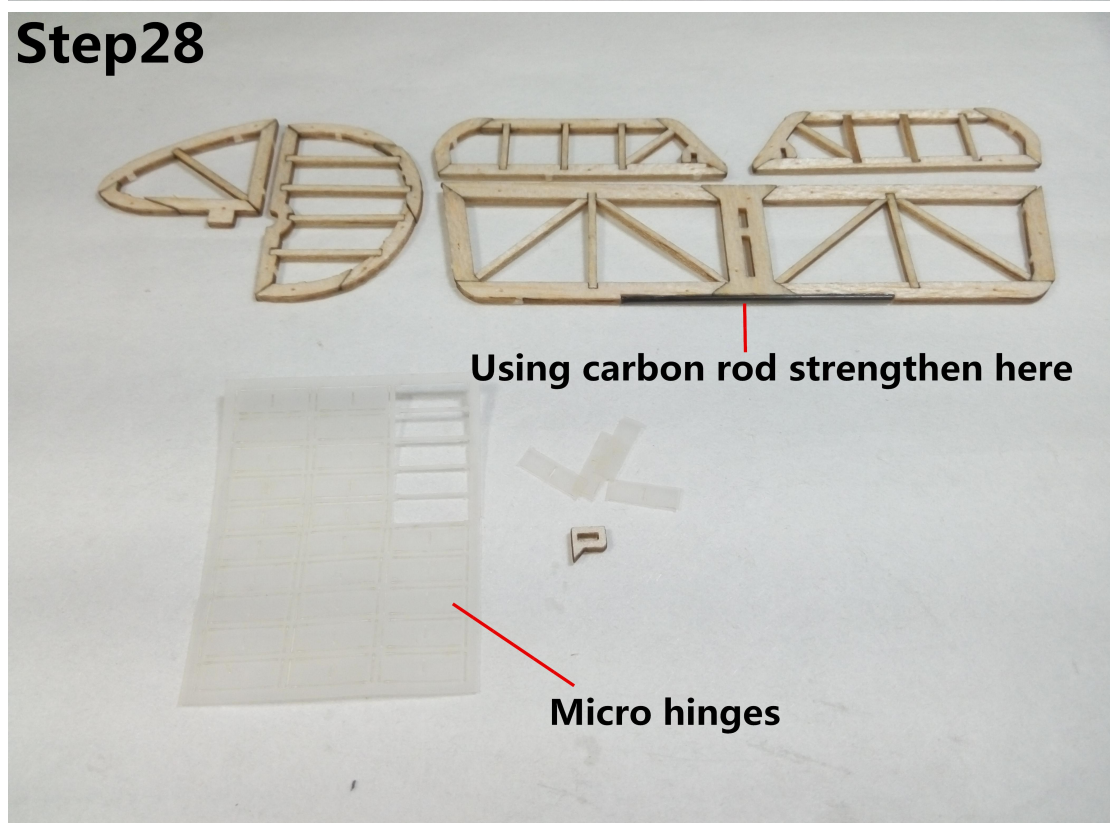




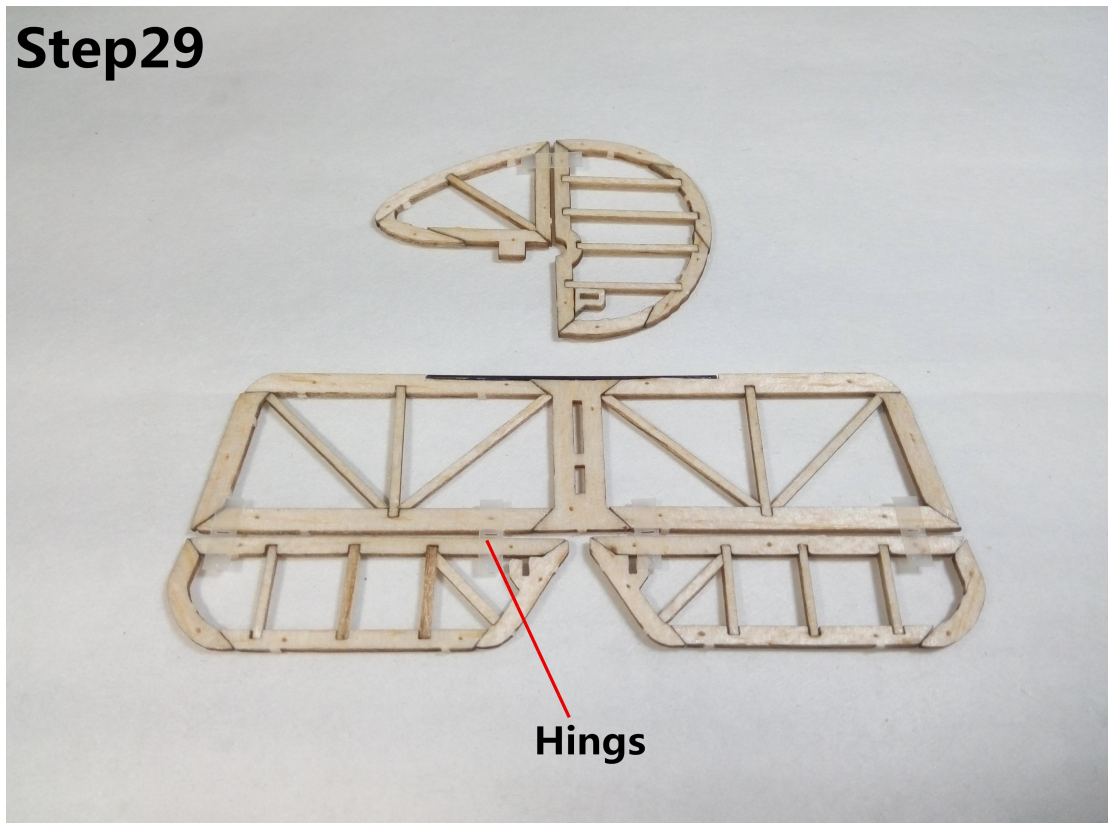
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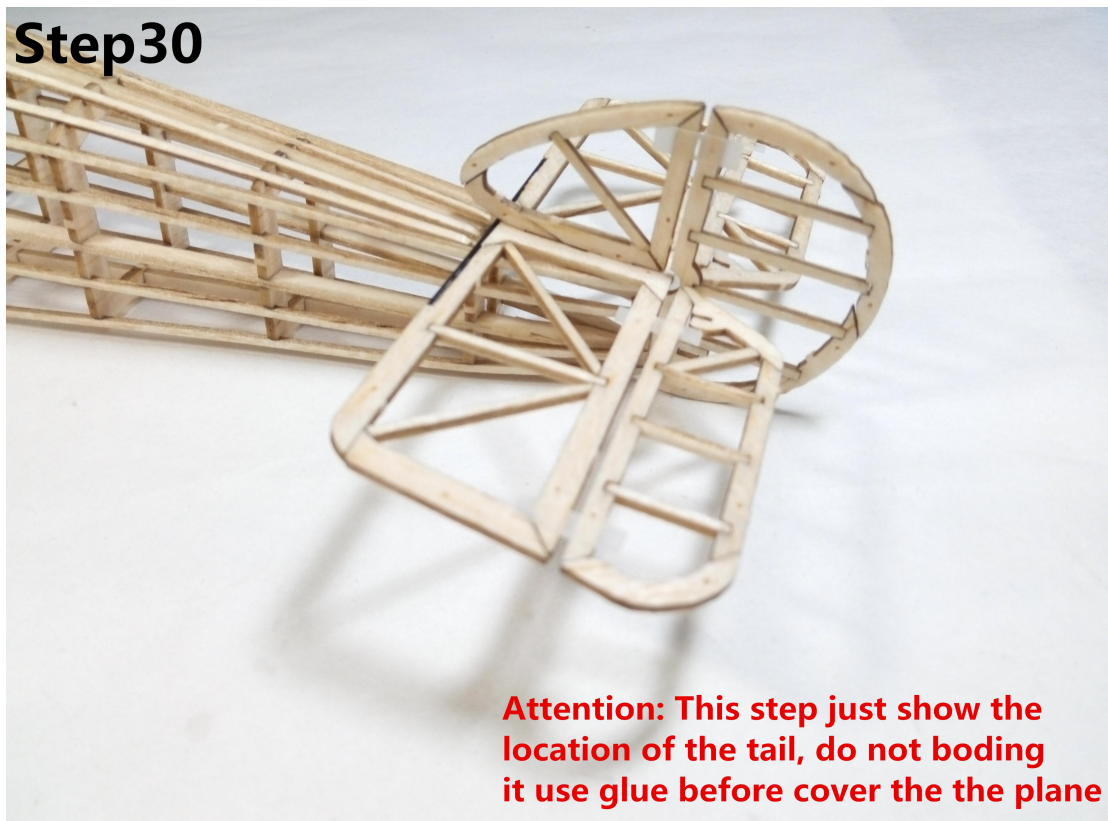
## Step28



## Step29



## Step30

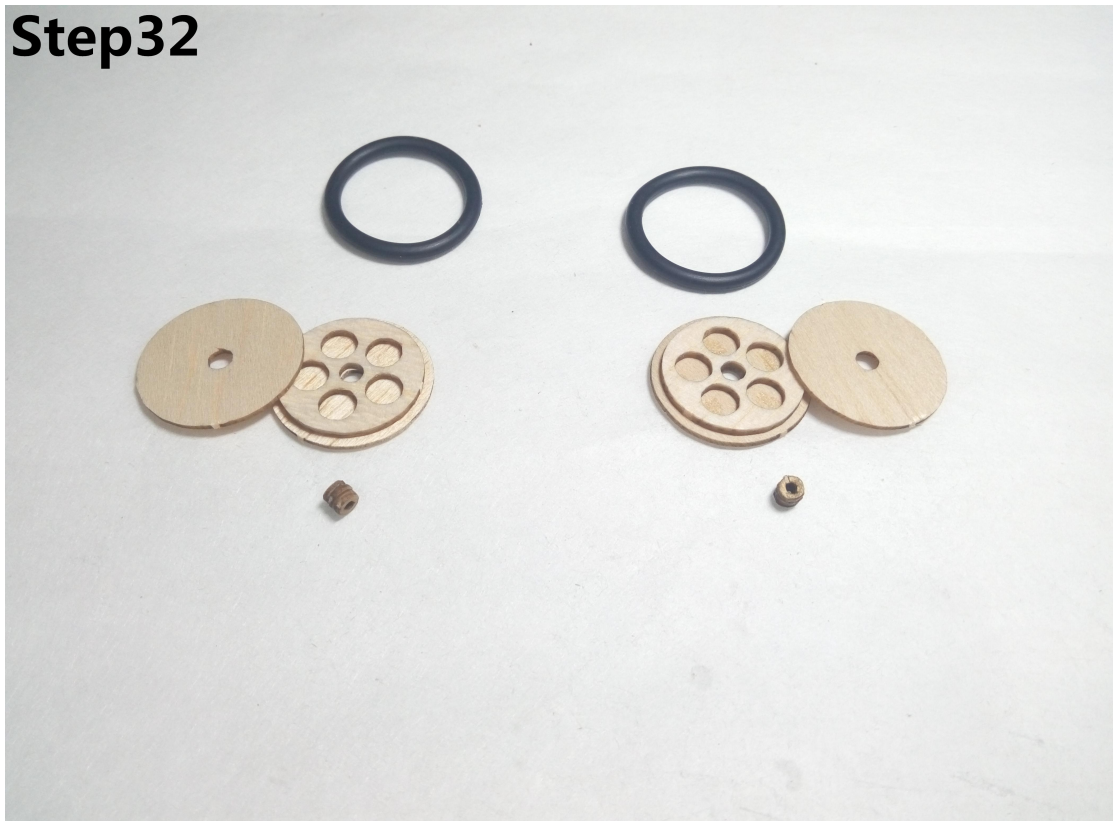




## Step31



## Step32

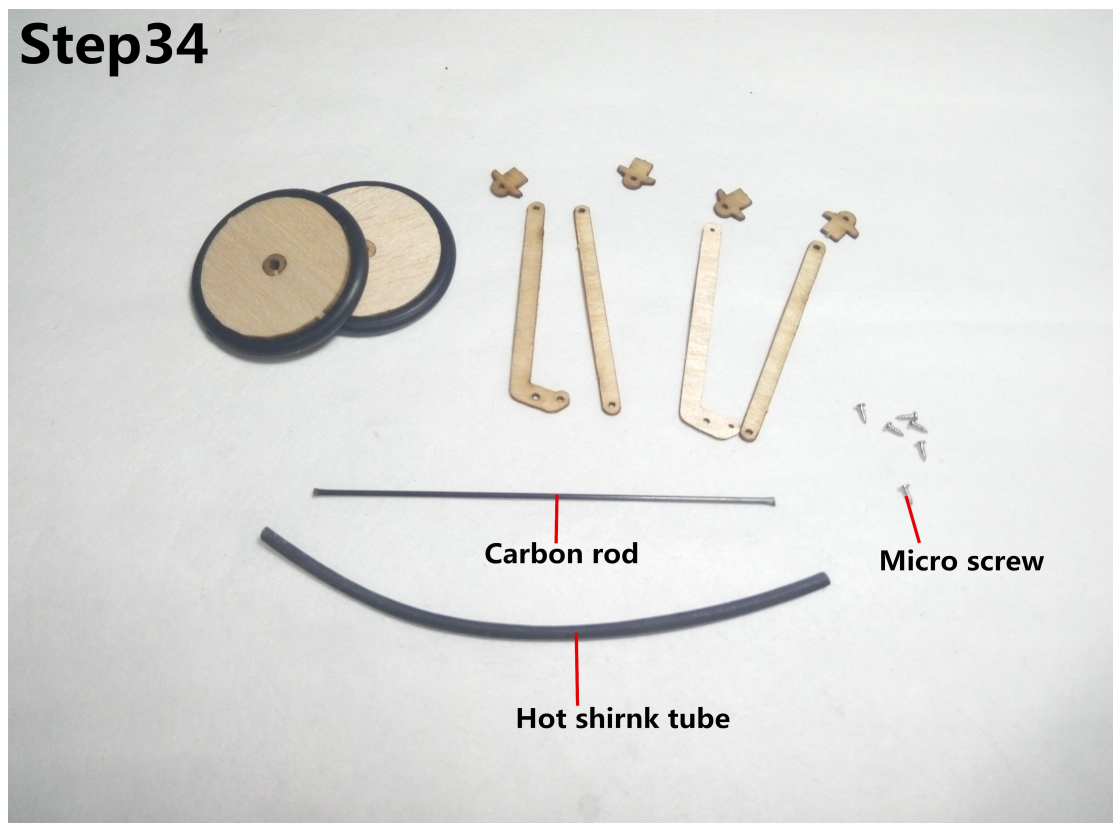


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## Step33

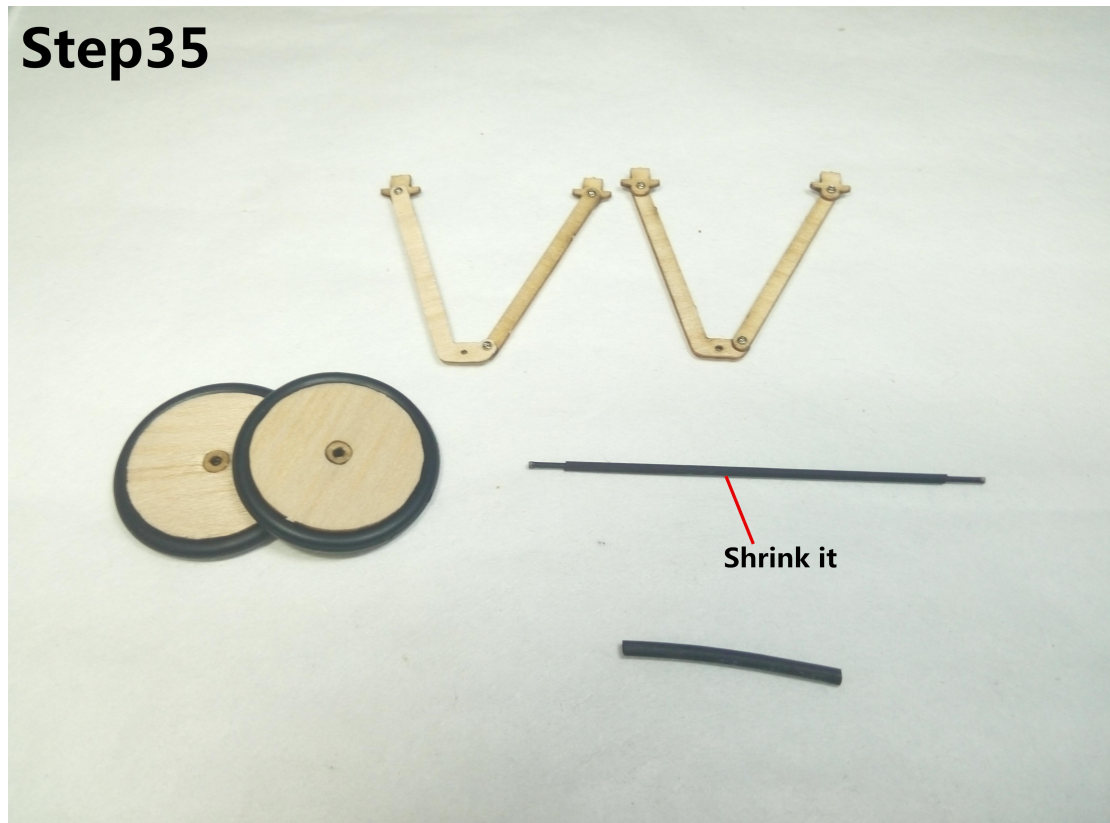


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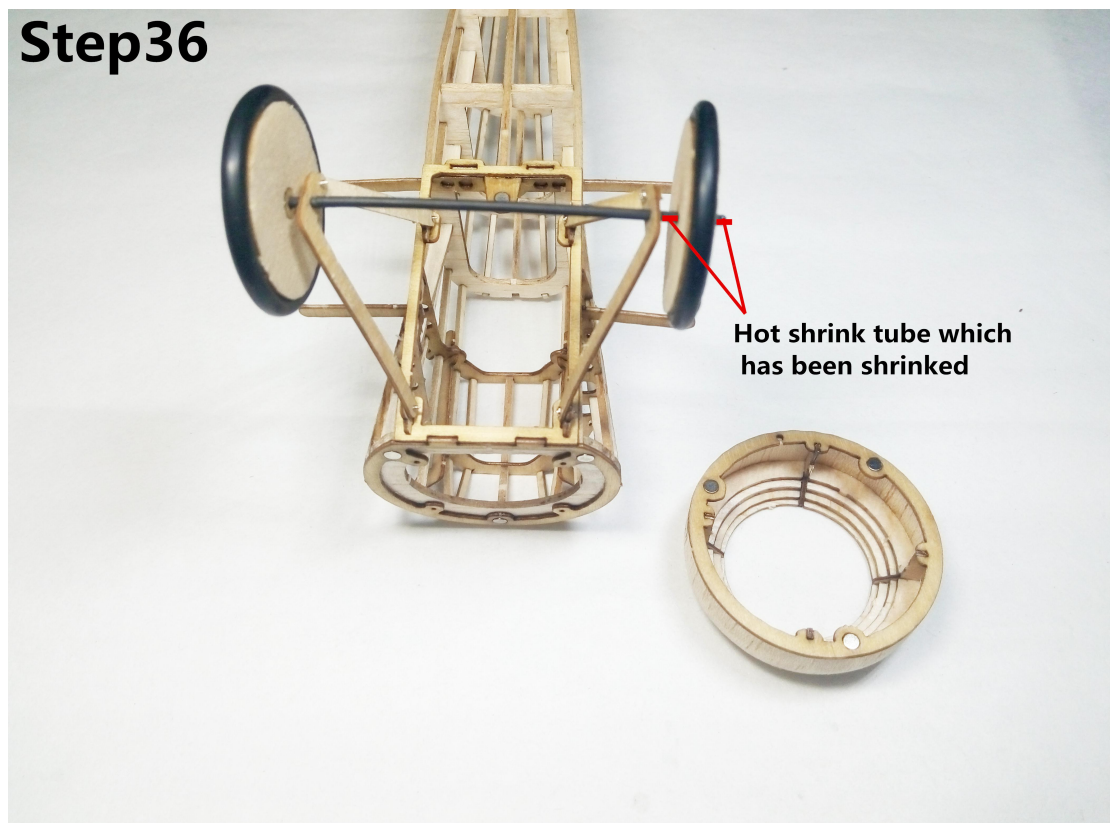




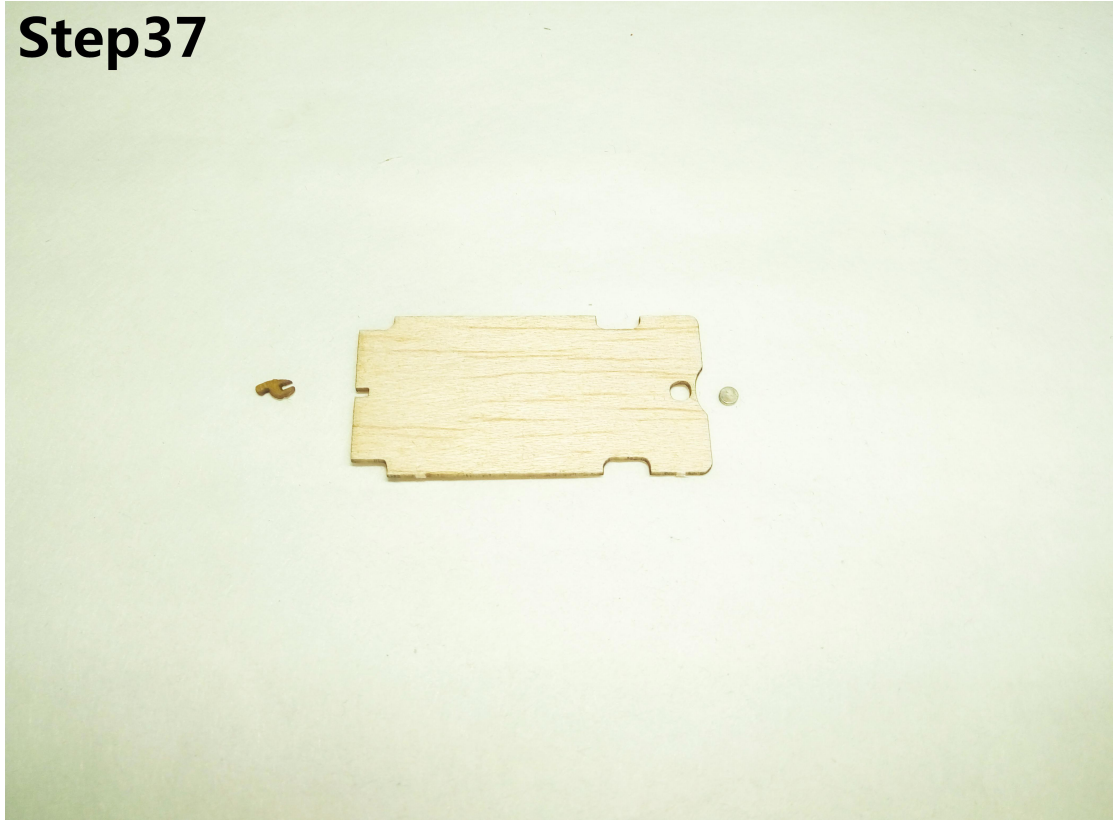
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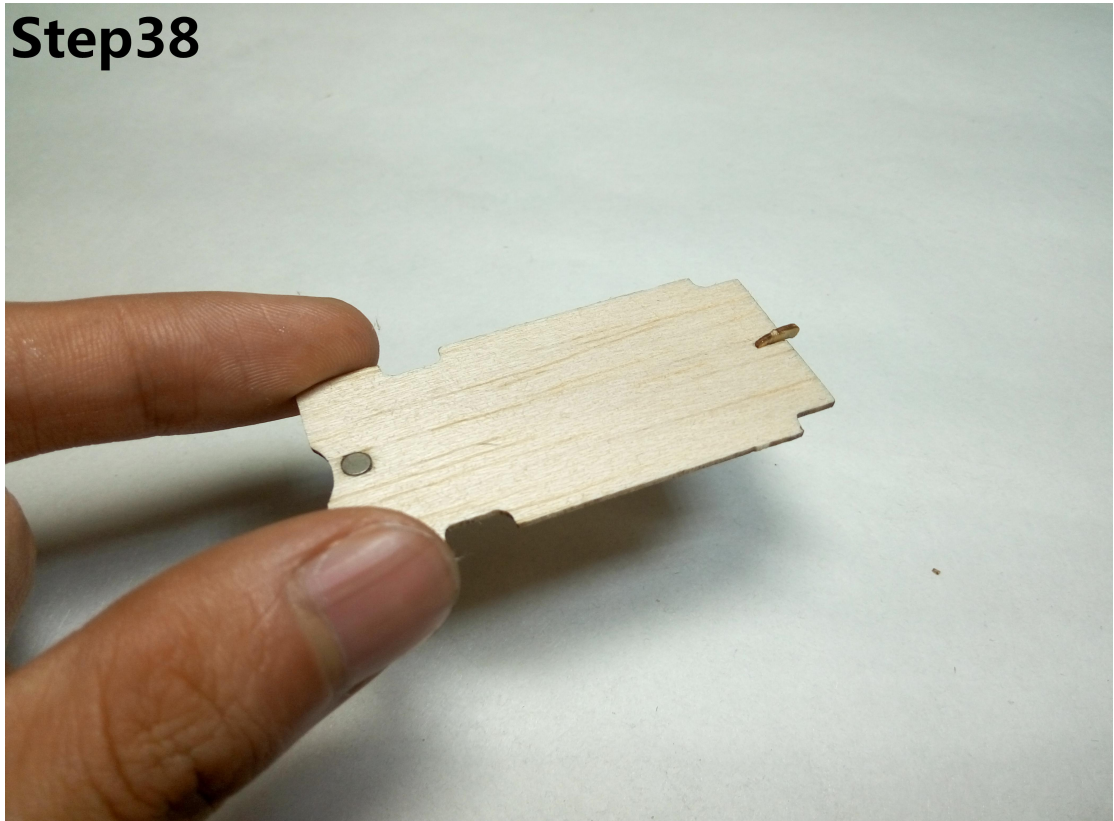
## Step36



## Step37

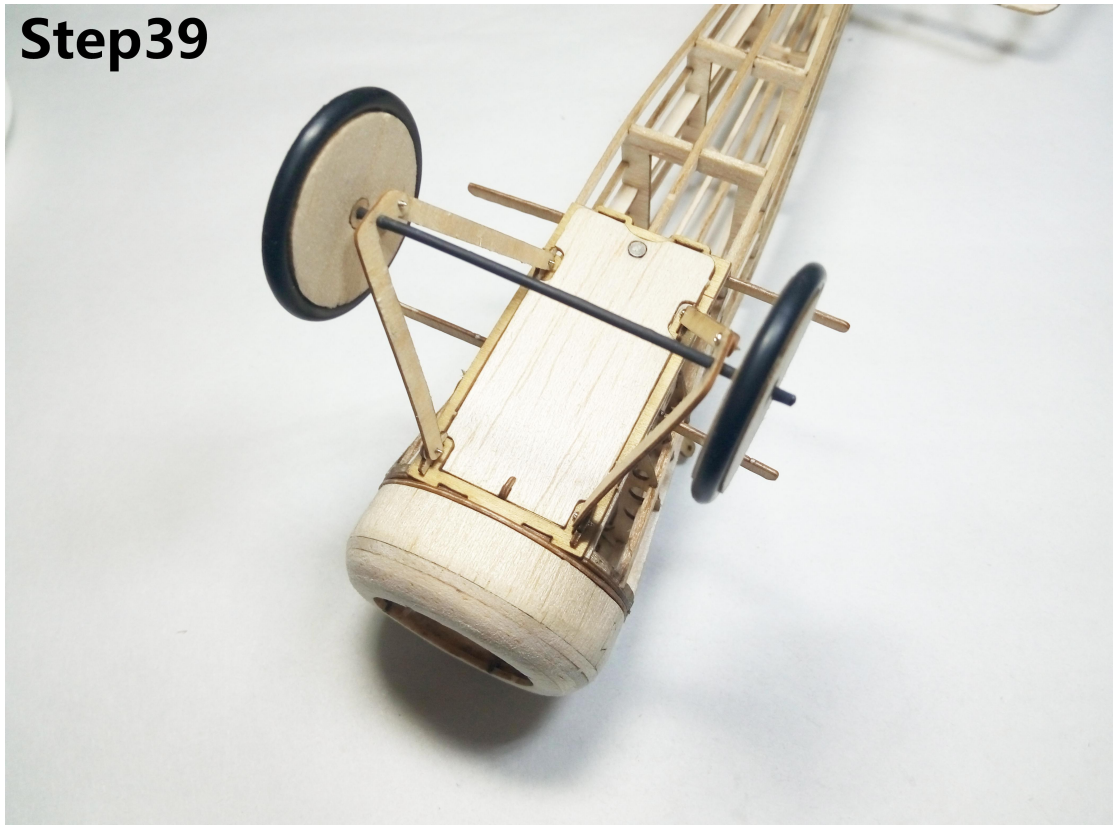


## Step38



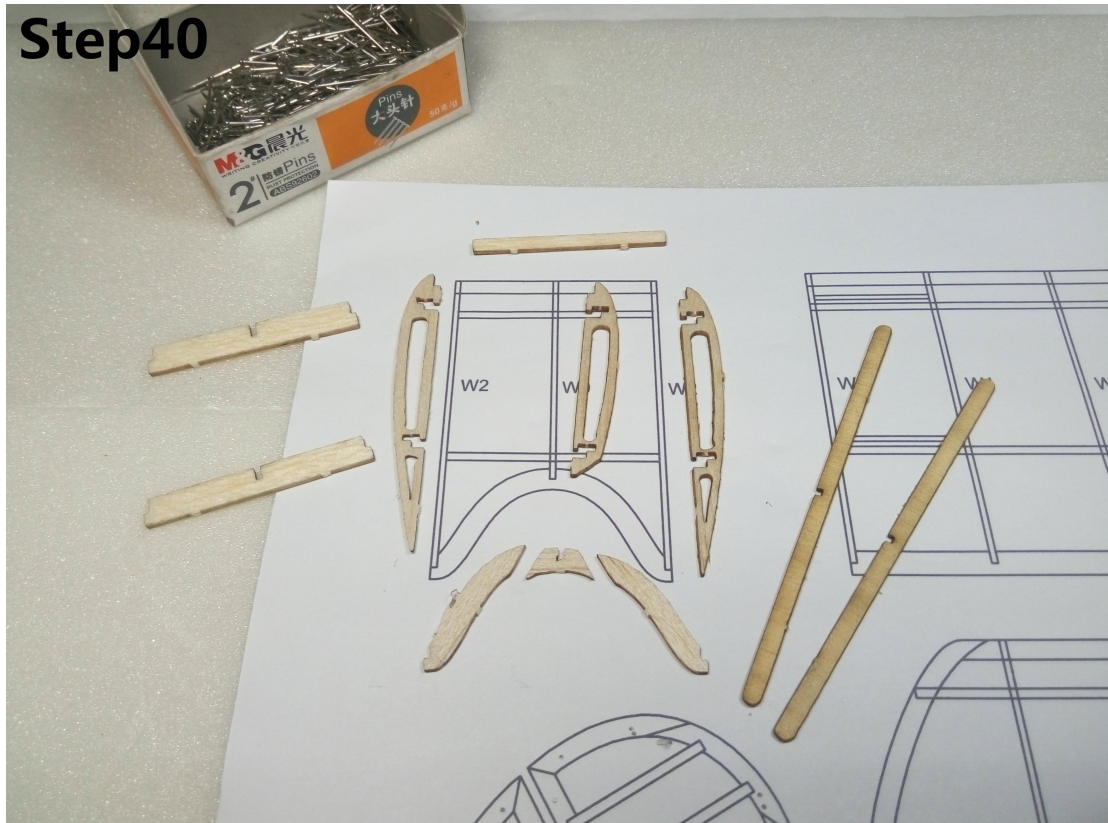


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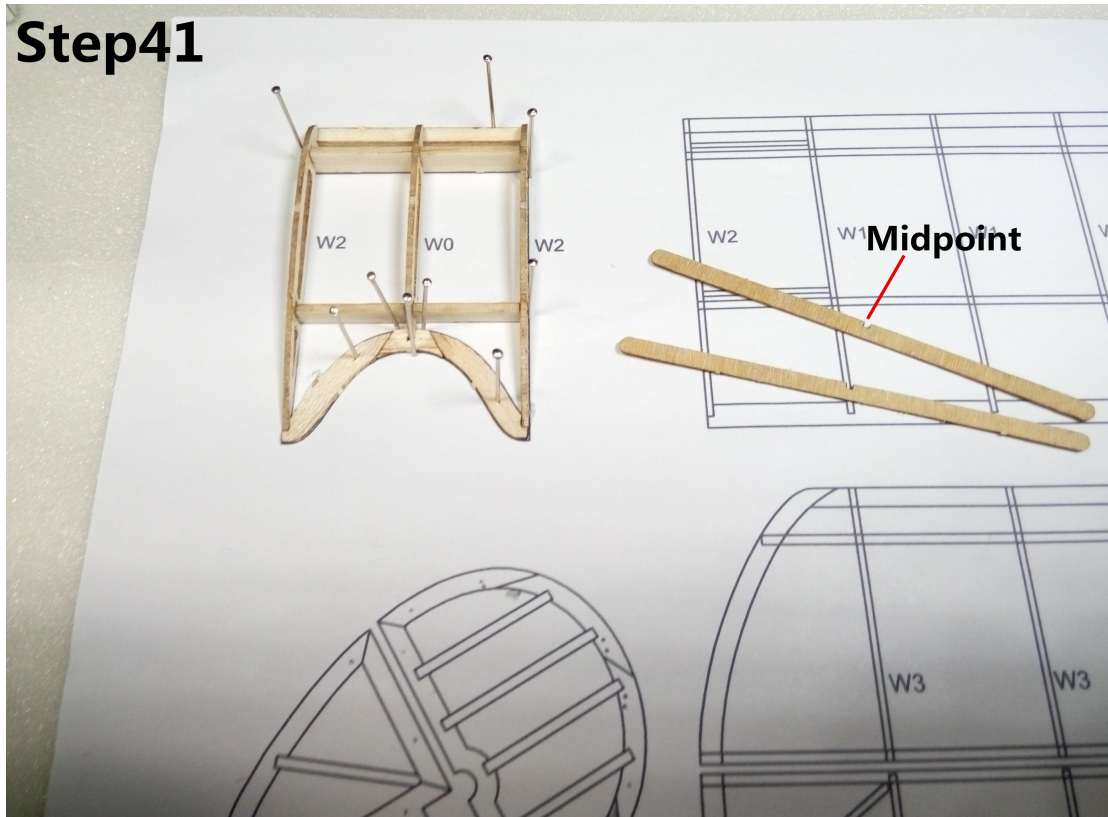


## Part2 The Wings

### Step40

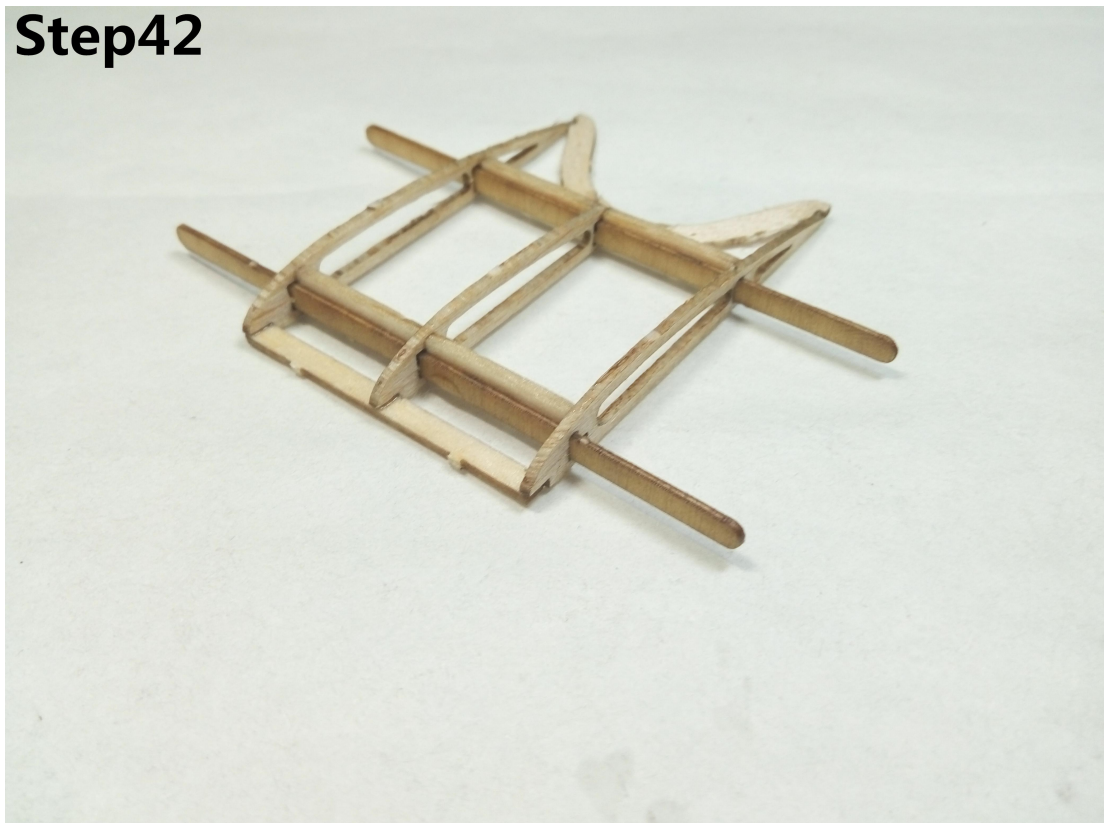


### Step41

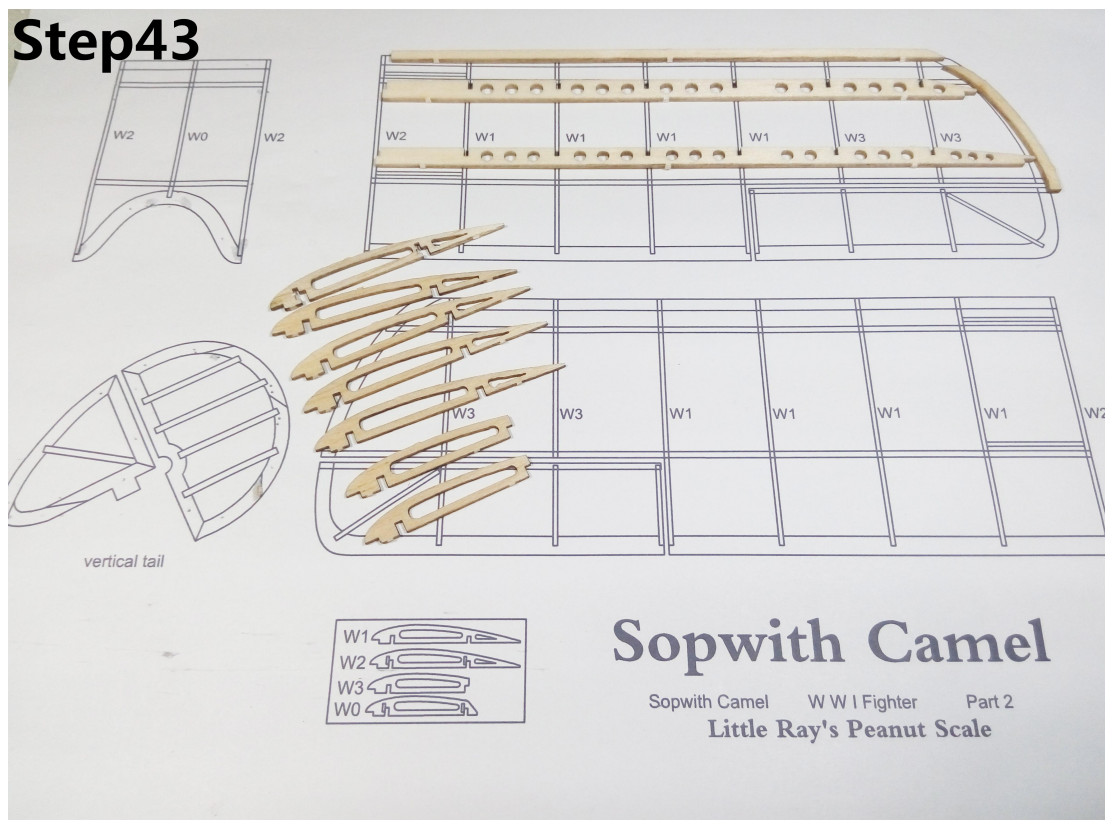




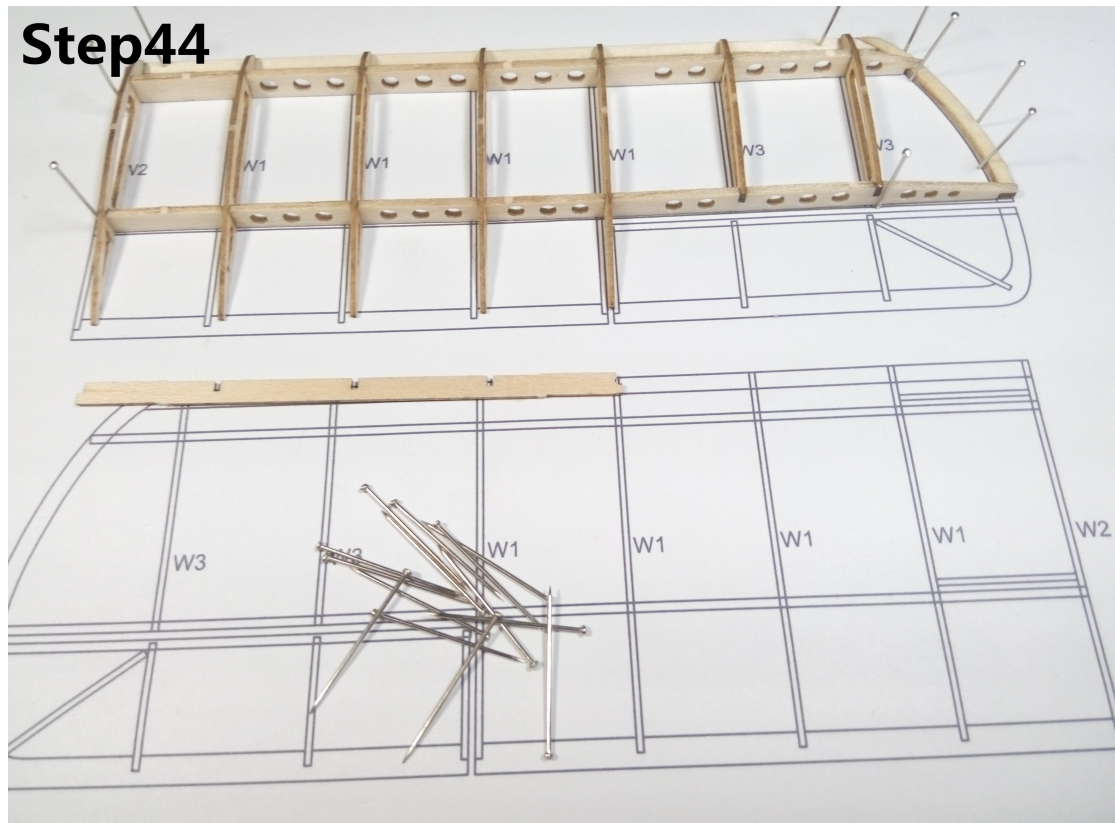
## Step42



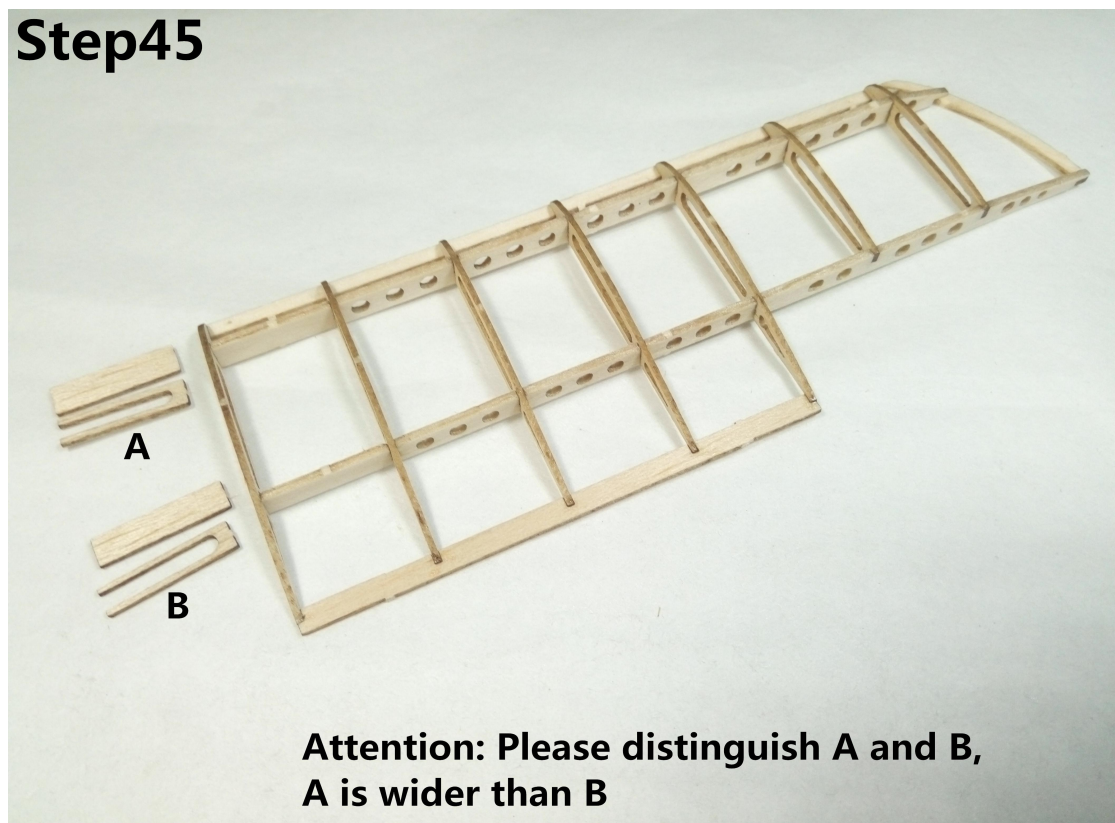
## Step43



## Step44

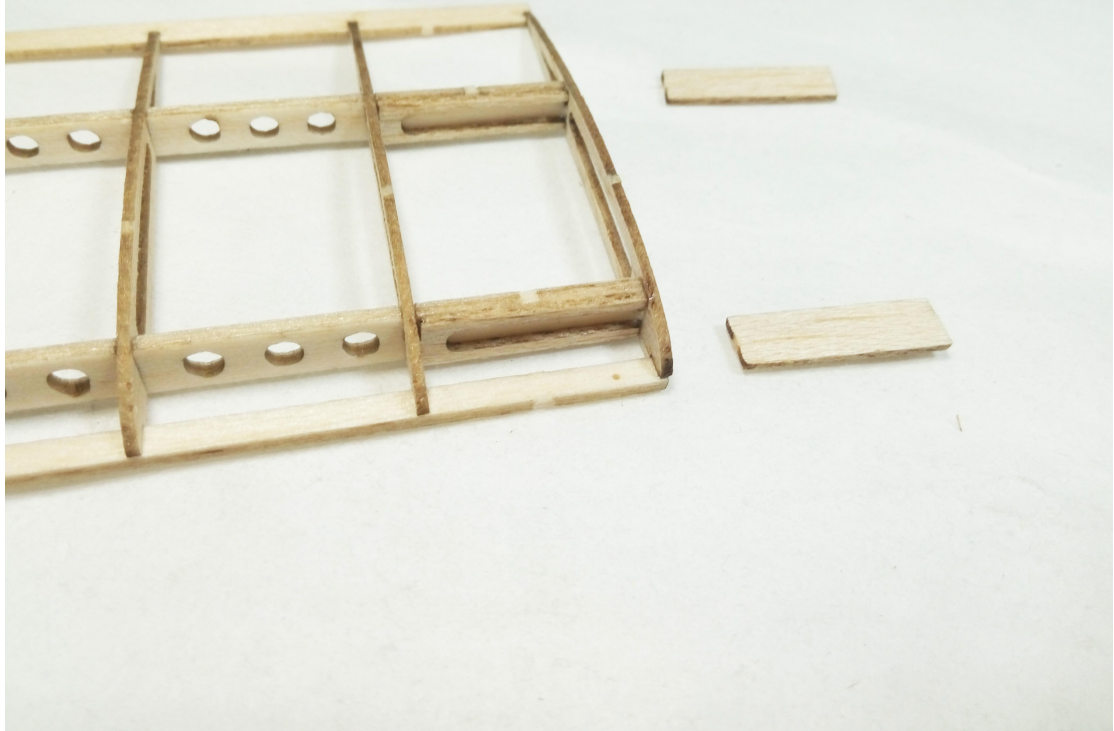


## Step45

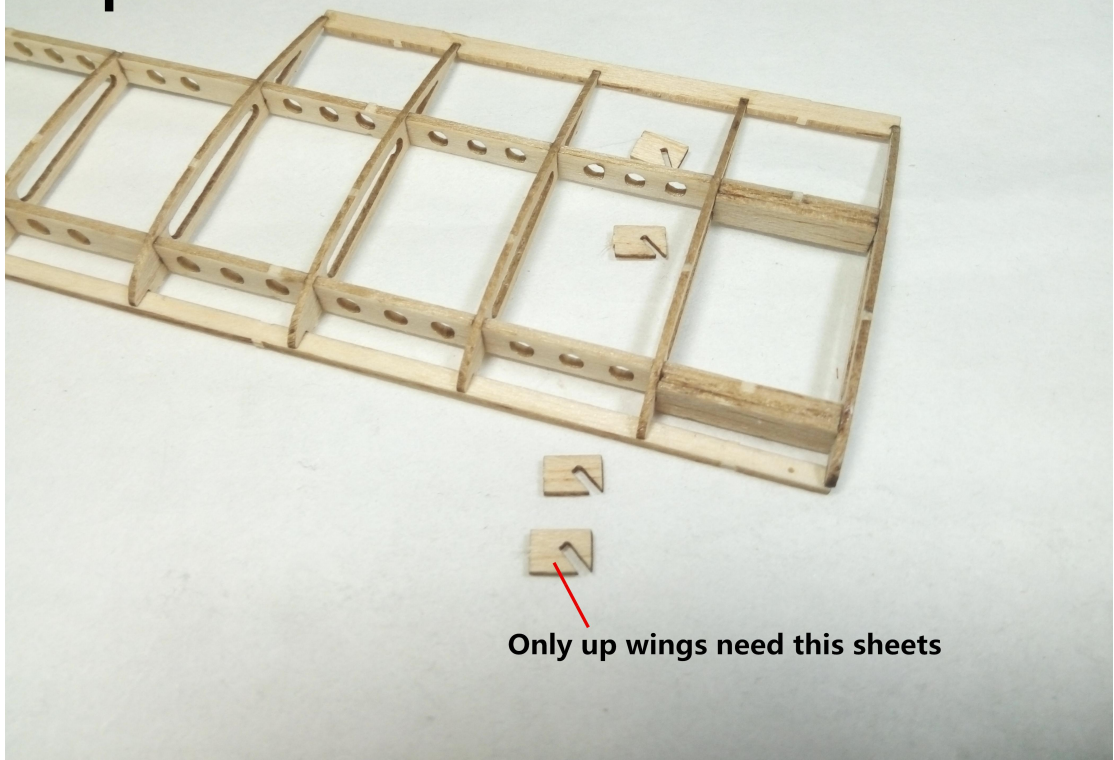




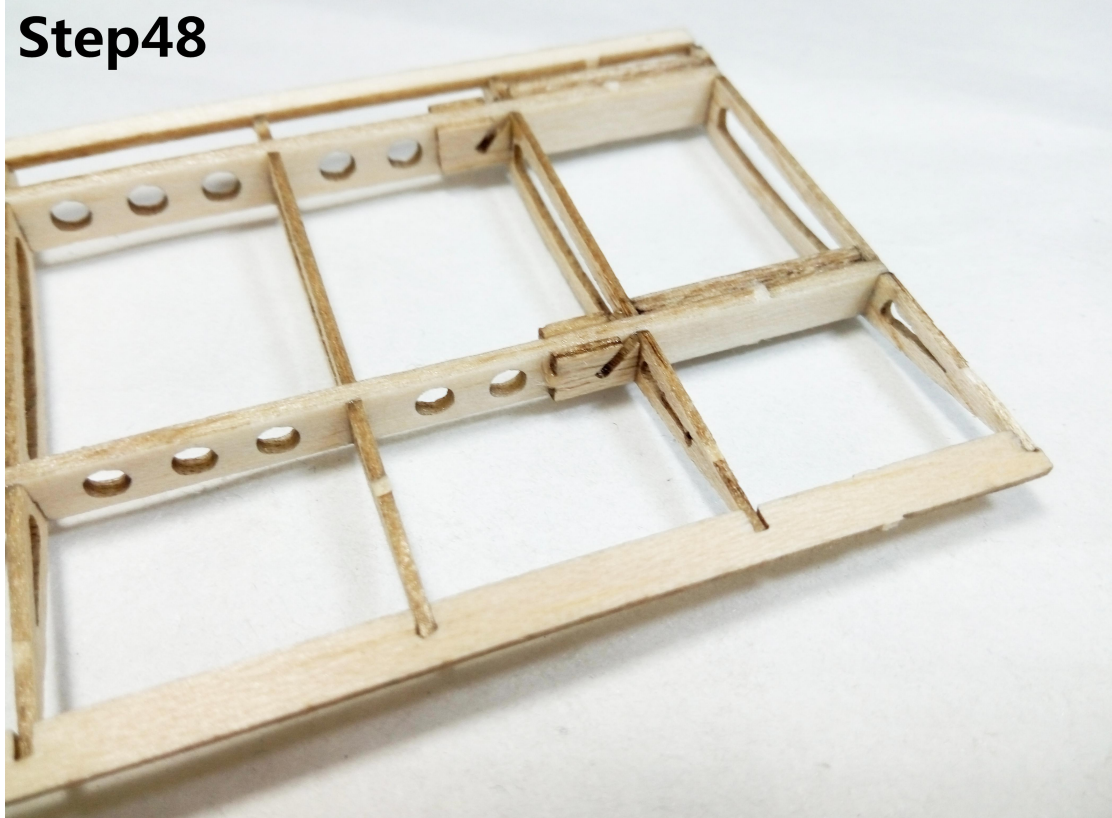
## Step46



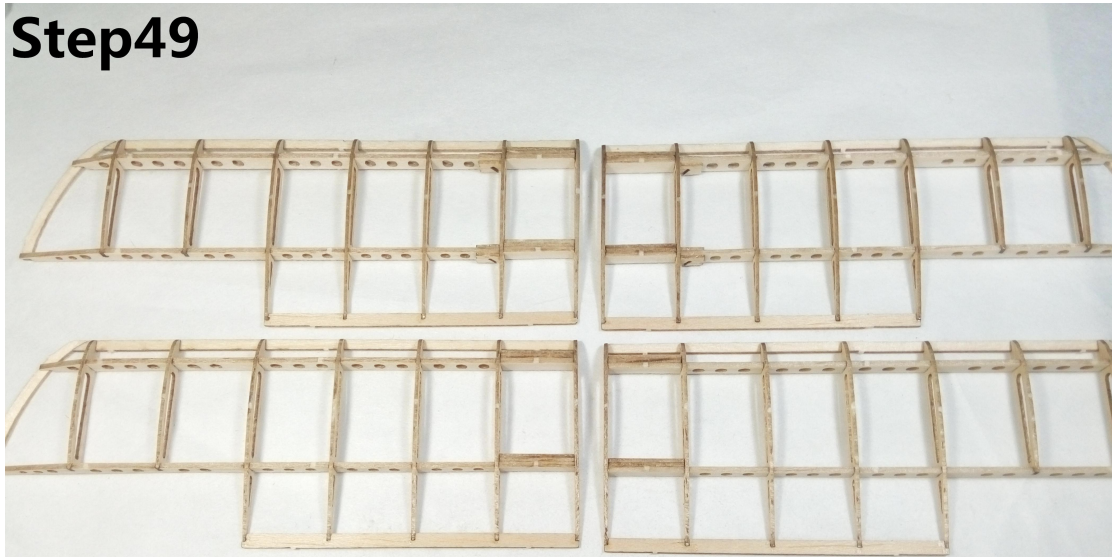
## Step47



## Step48



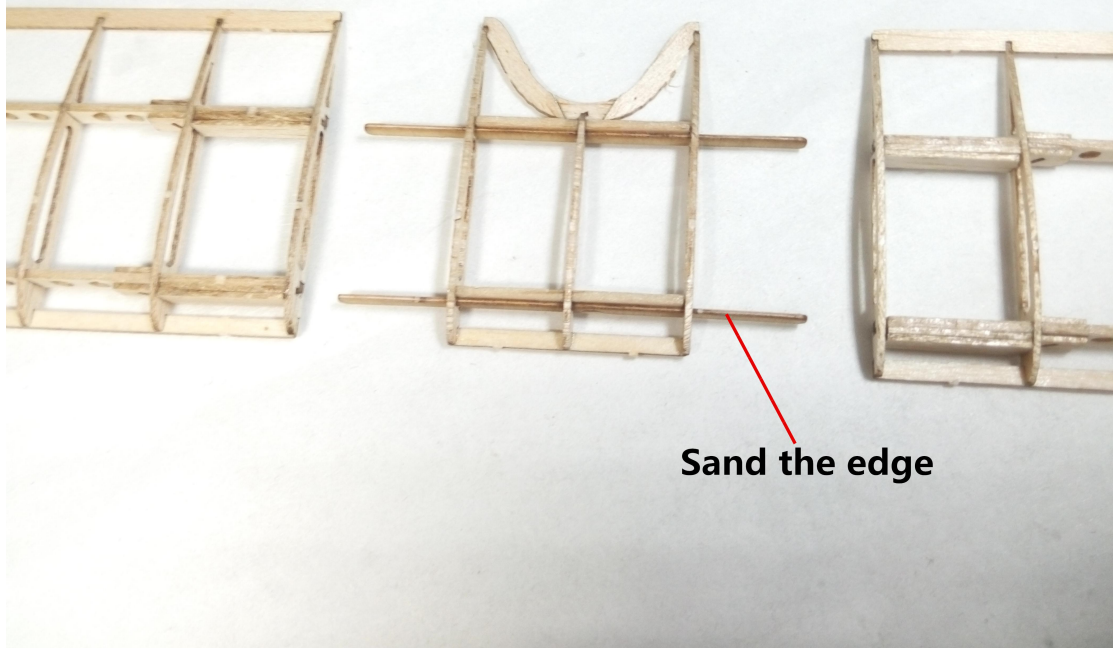
## Step49



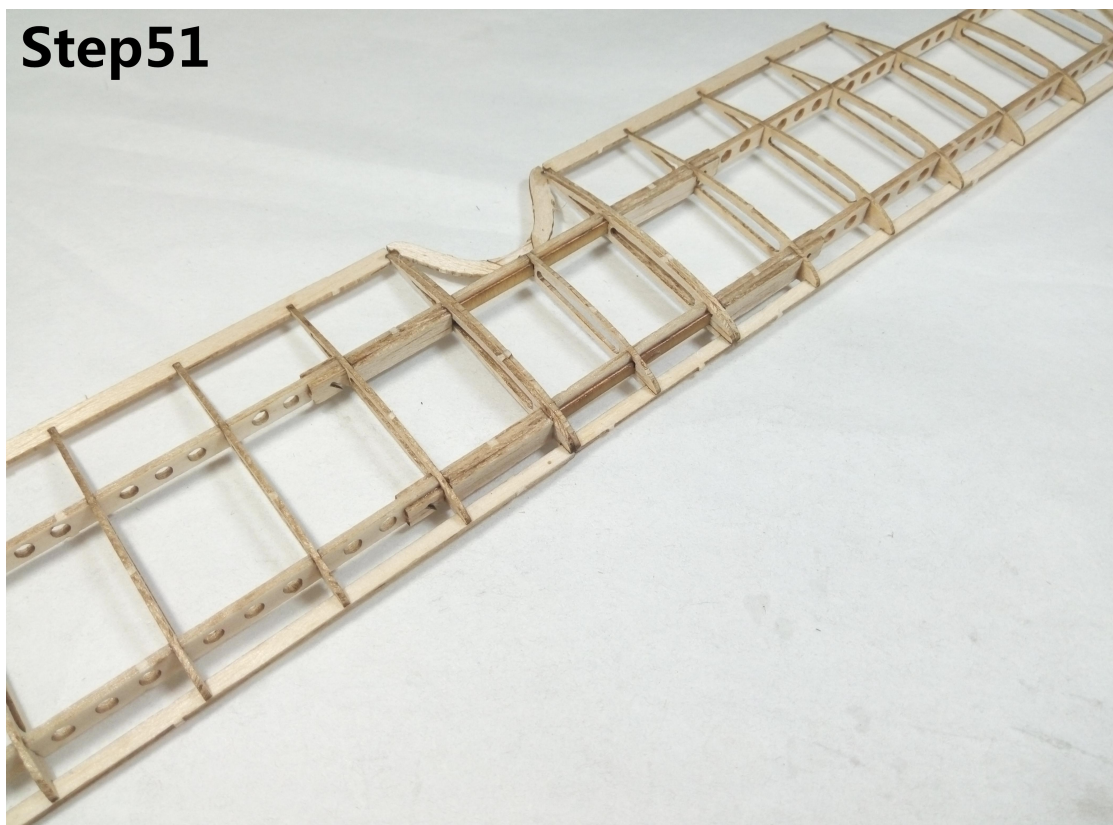
**Finish the rest of the wings**



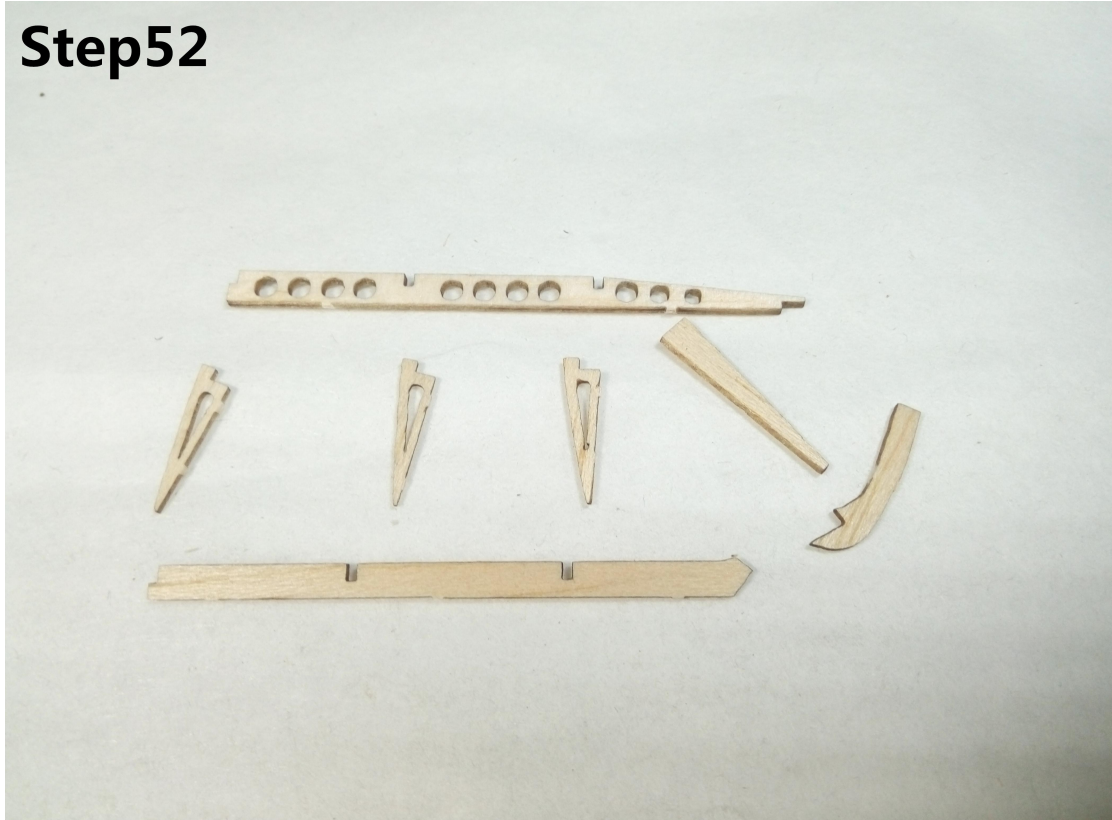
## Step50



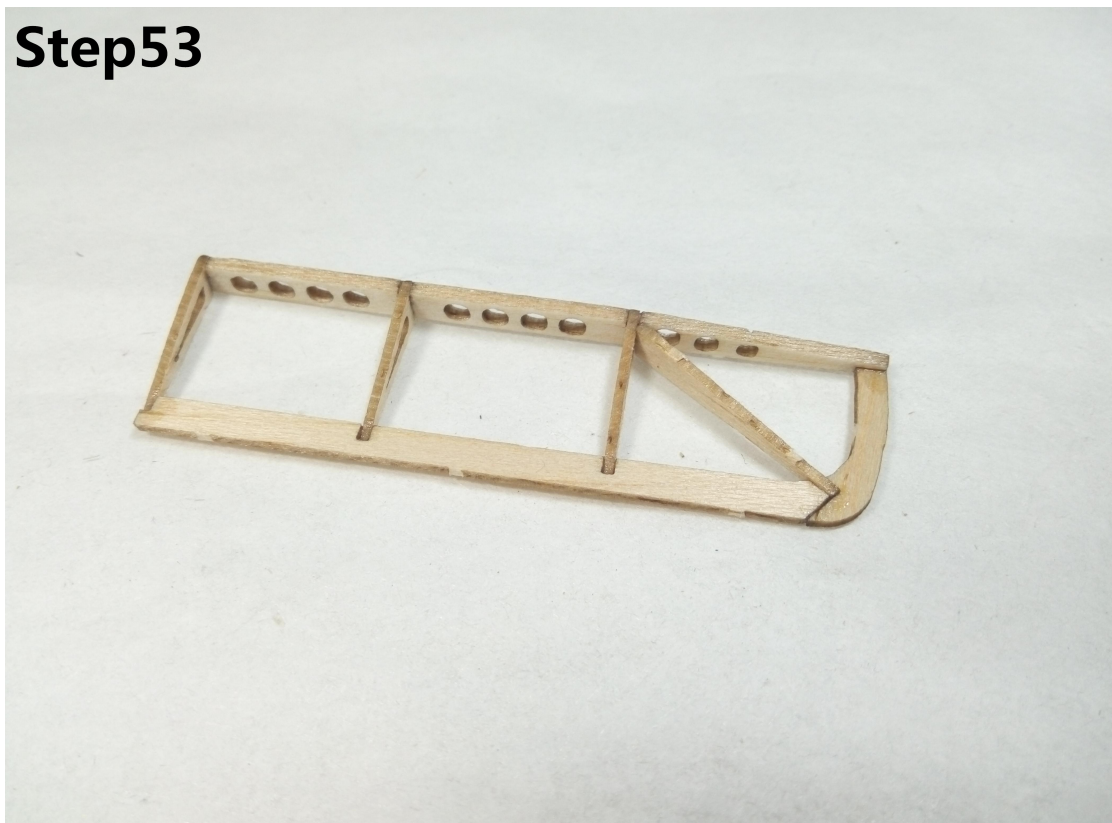
## Step51



## Step52

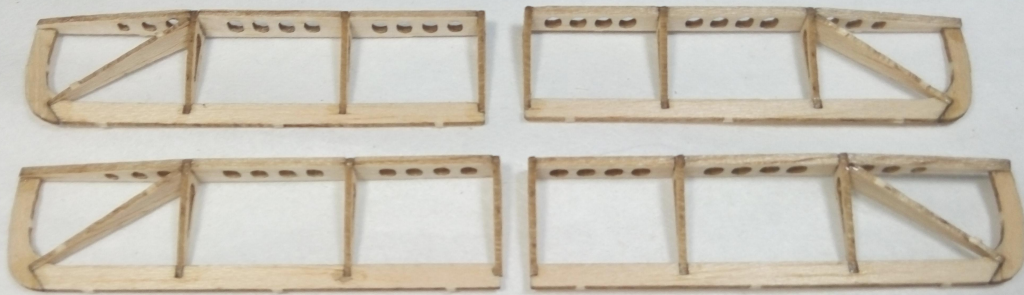


## Step53



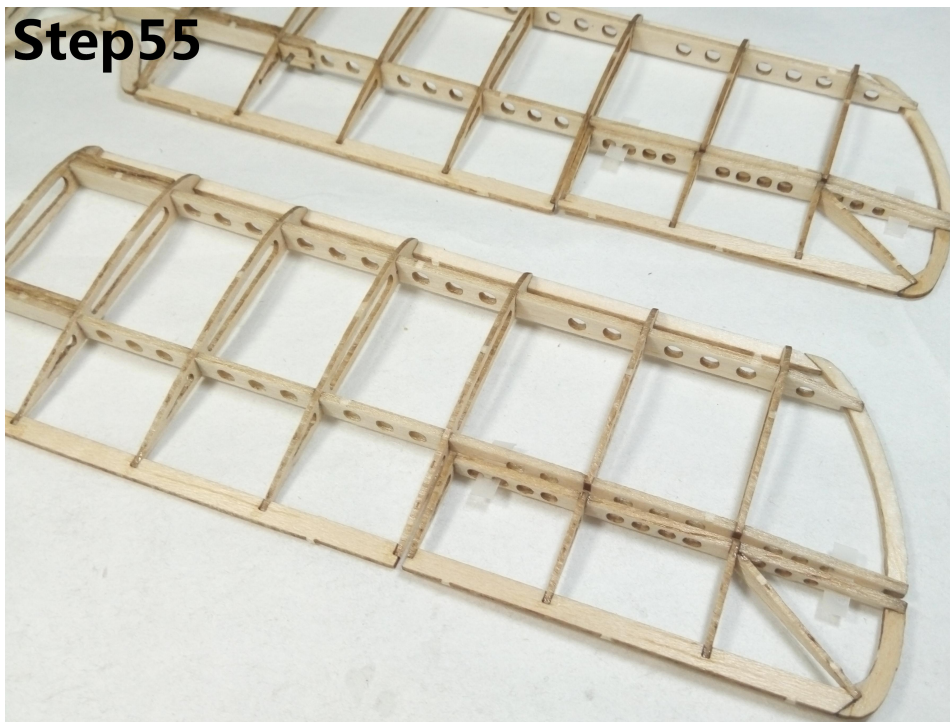


## Step54



**Finish the rest of the ailerons**

## Step55



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

## Step56



## Step57

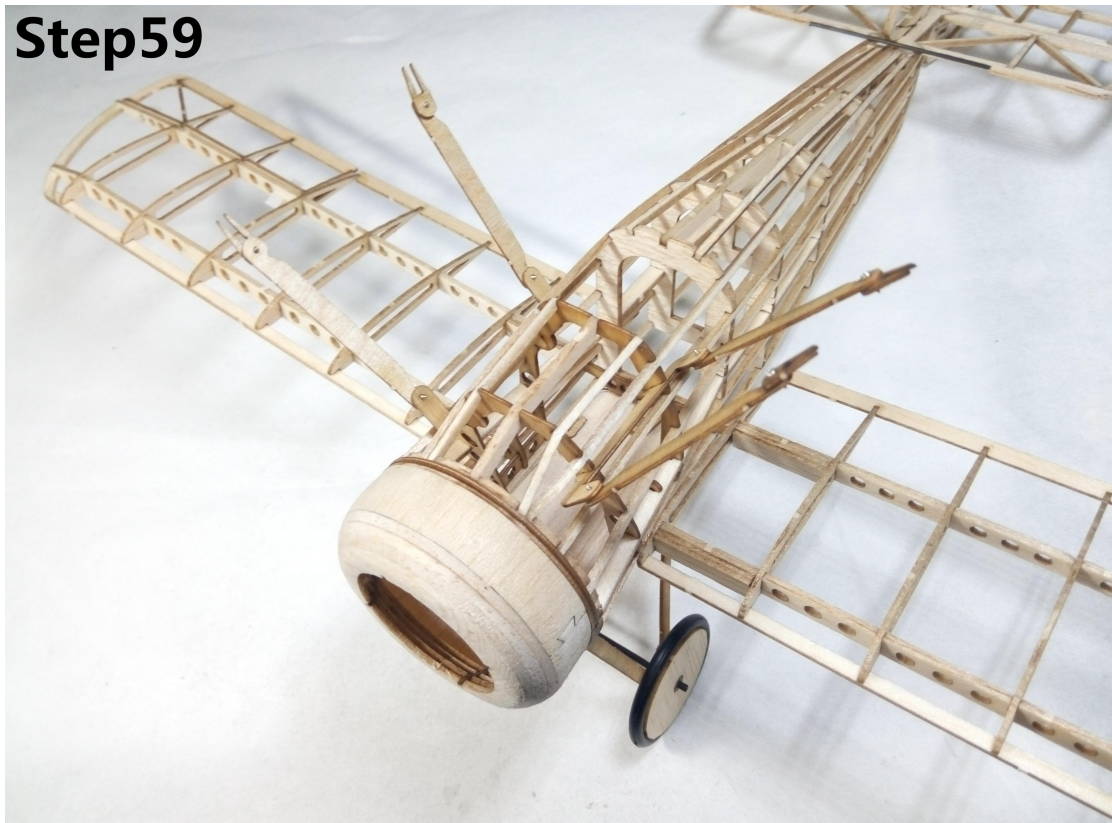




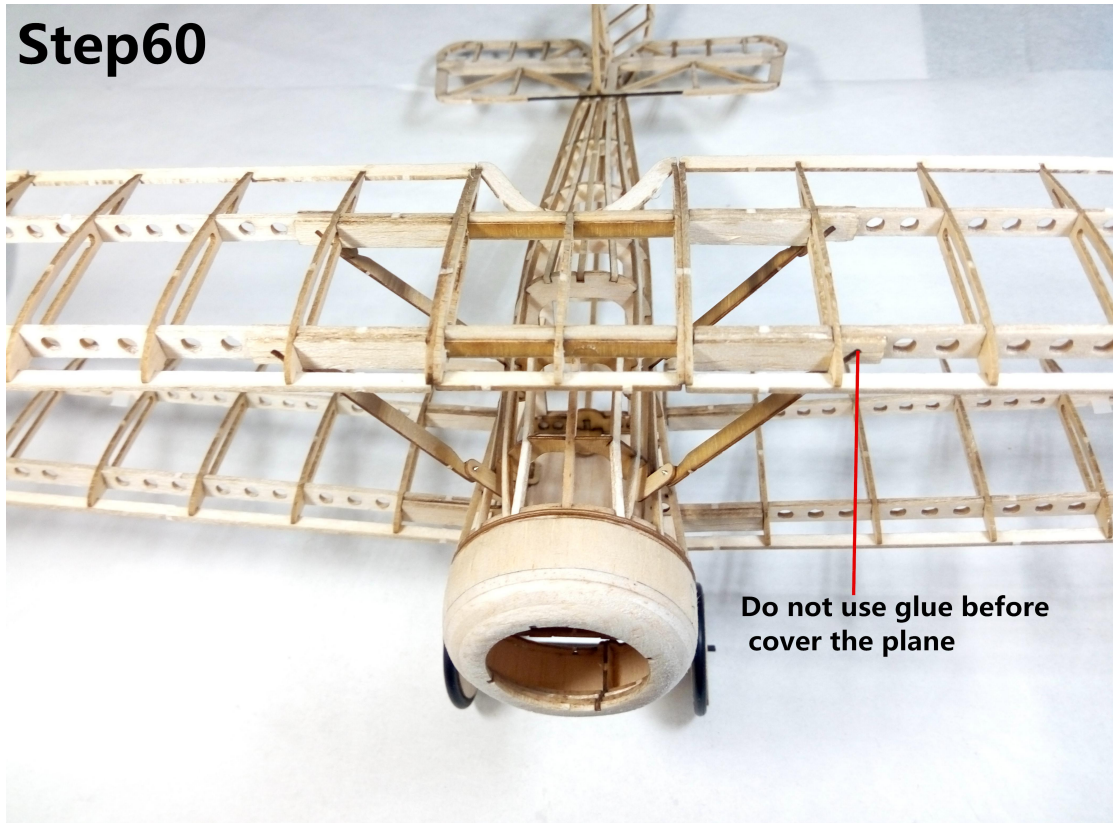
## Step58



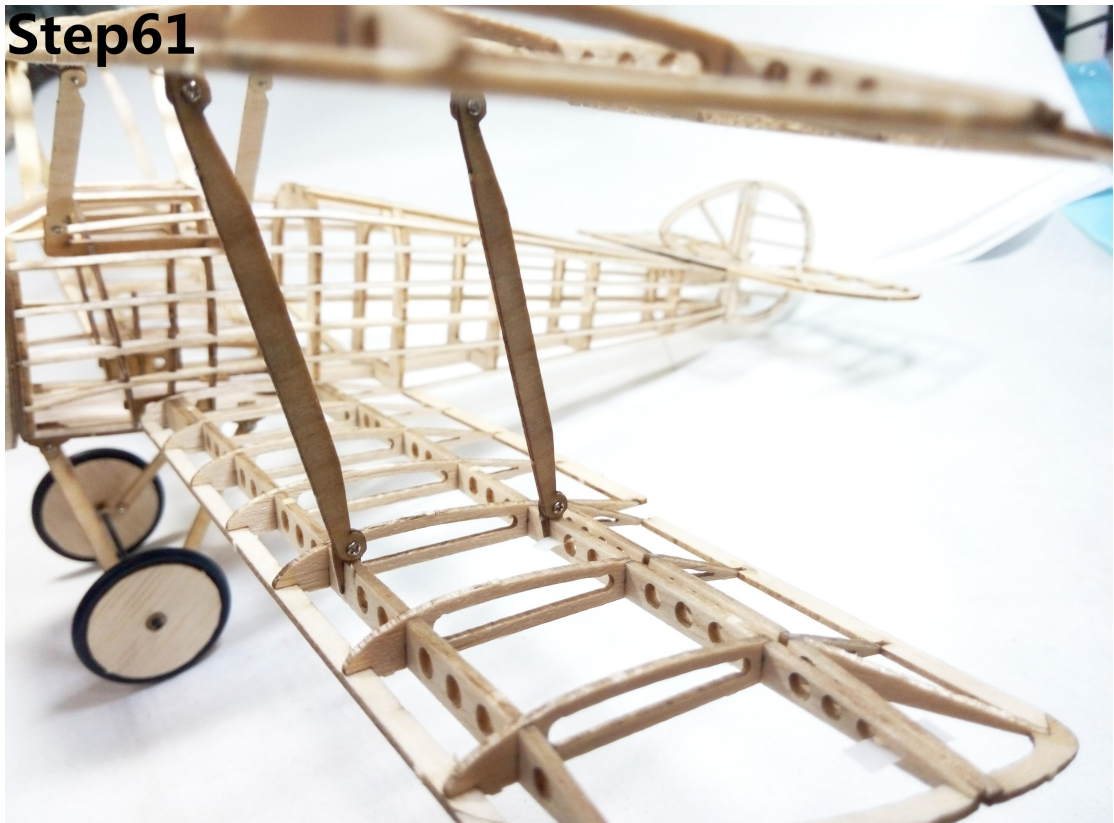
## Step59



## Step60

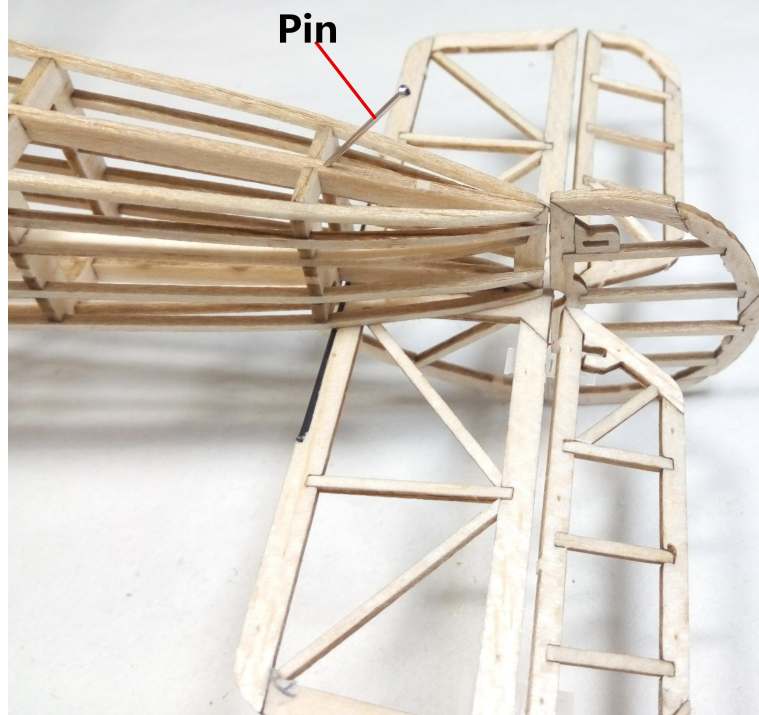


## Step61

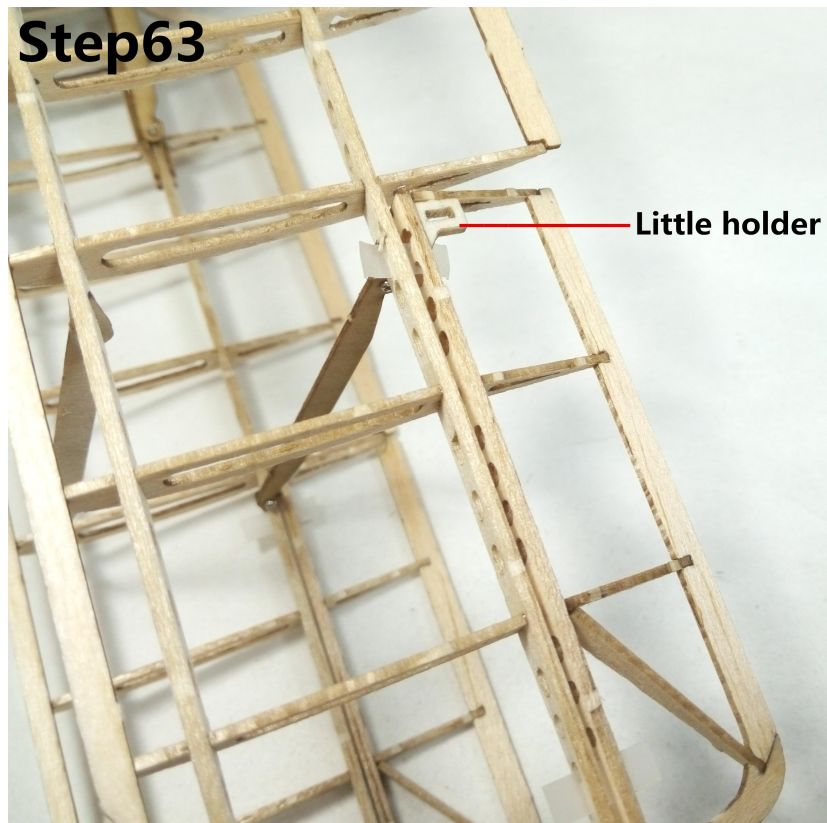




## Step62



## Step63



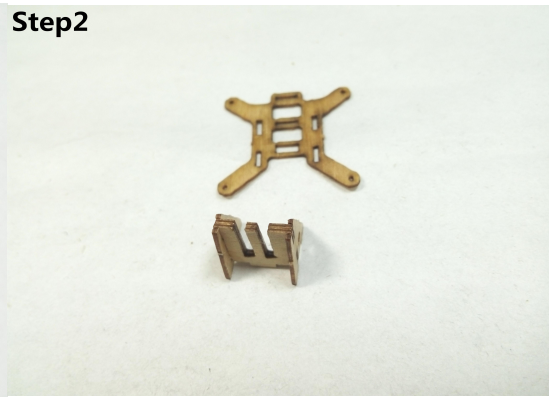
## Part3 Motor holder

### Version of 8.5mm coreless motor

Step1



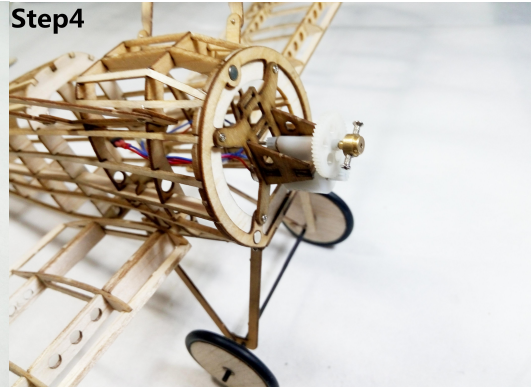
Step2



Step3



Step4

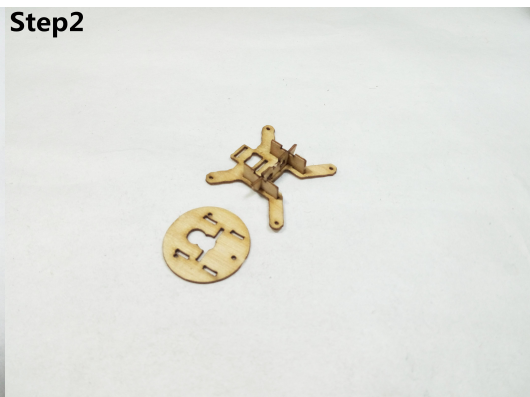


### Version of 1104 brushless motor

Step1



Step2

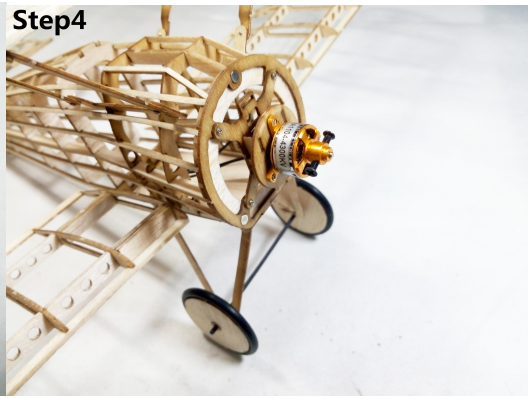




**Step3**

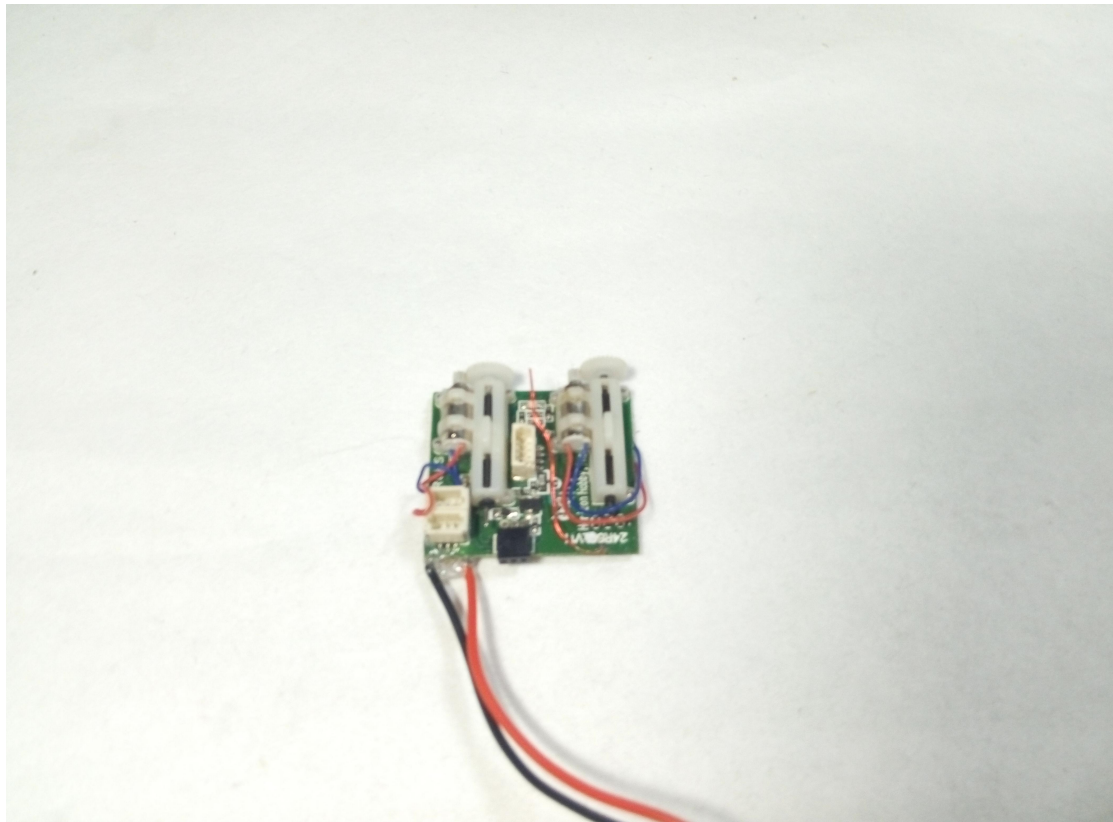


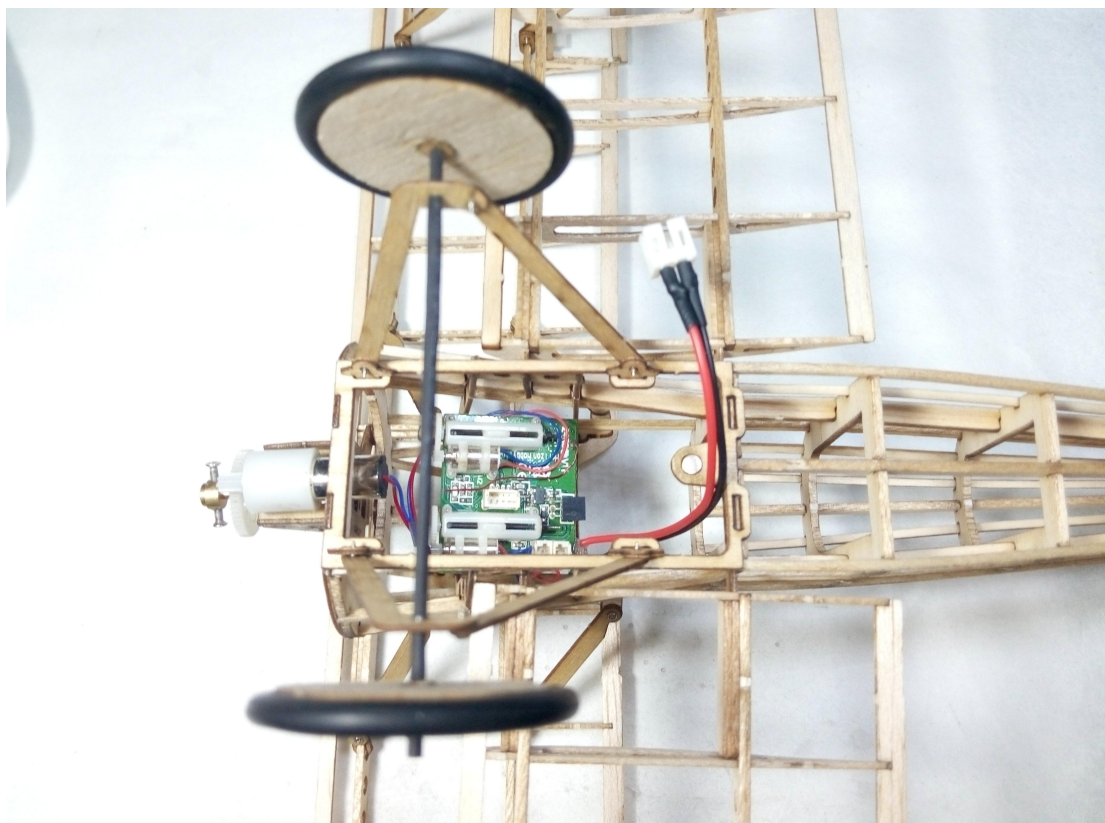
**Step4**



## **Part4 Electronics**

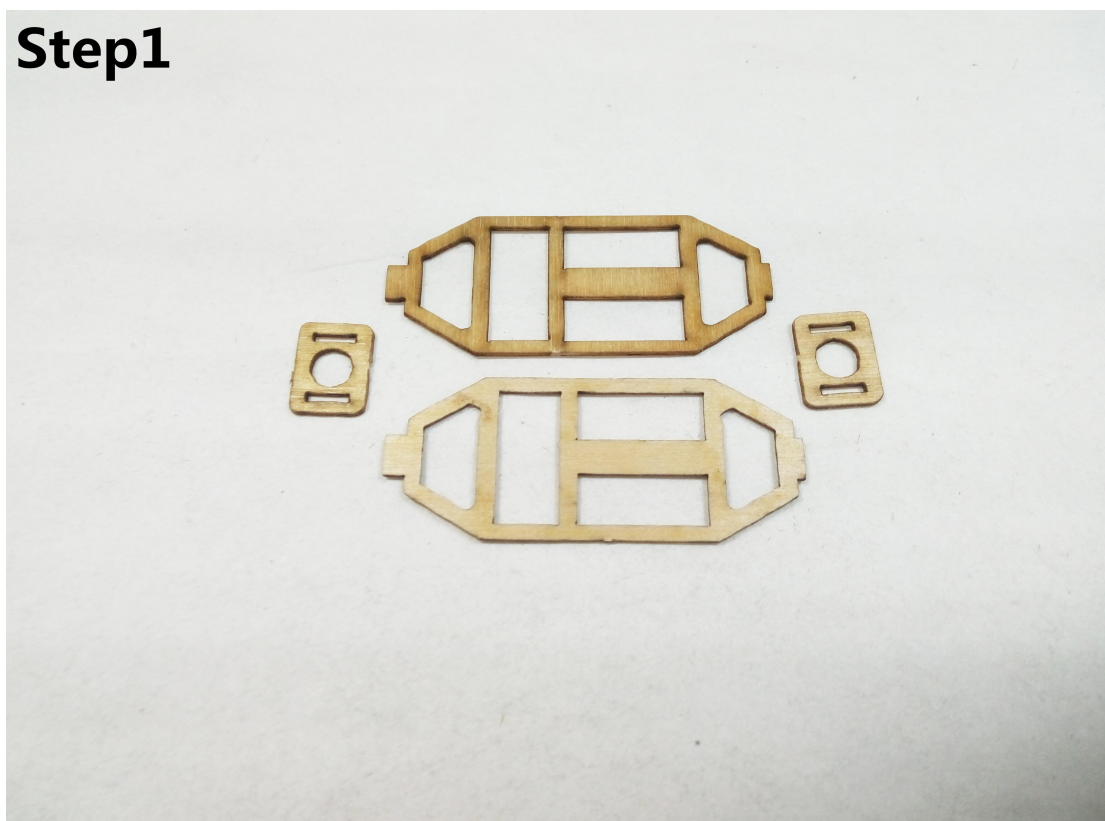
If you use SPMAR6400 micro receiver





If you use others micro DSM2 receiver

## Step1

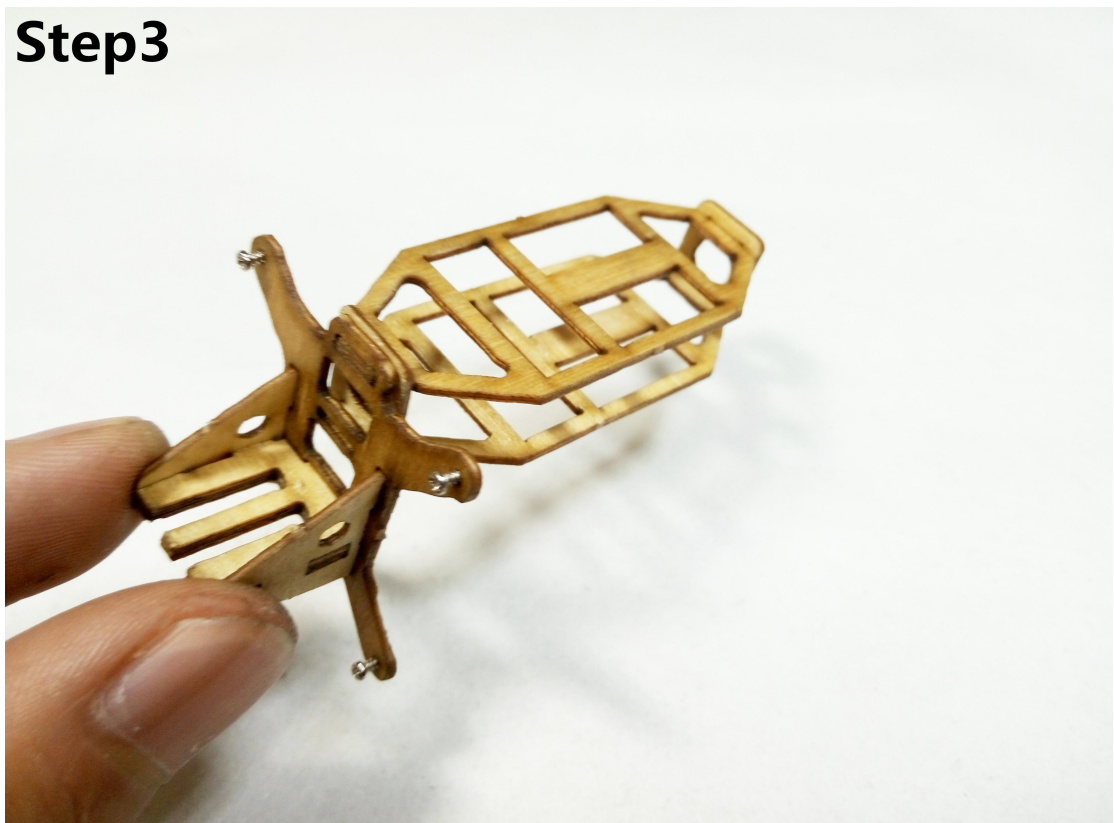


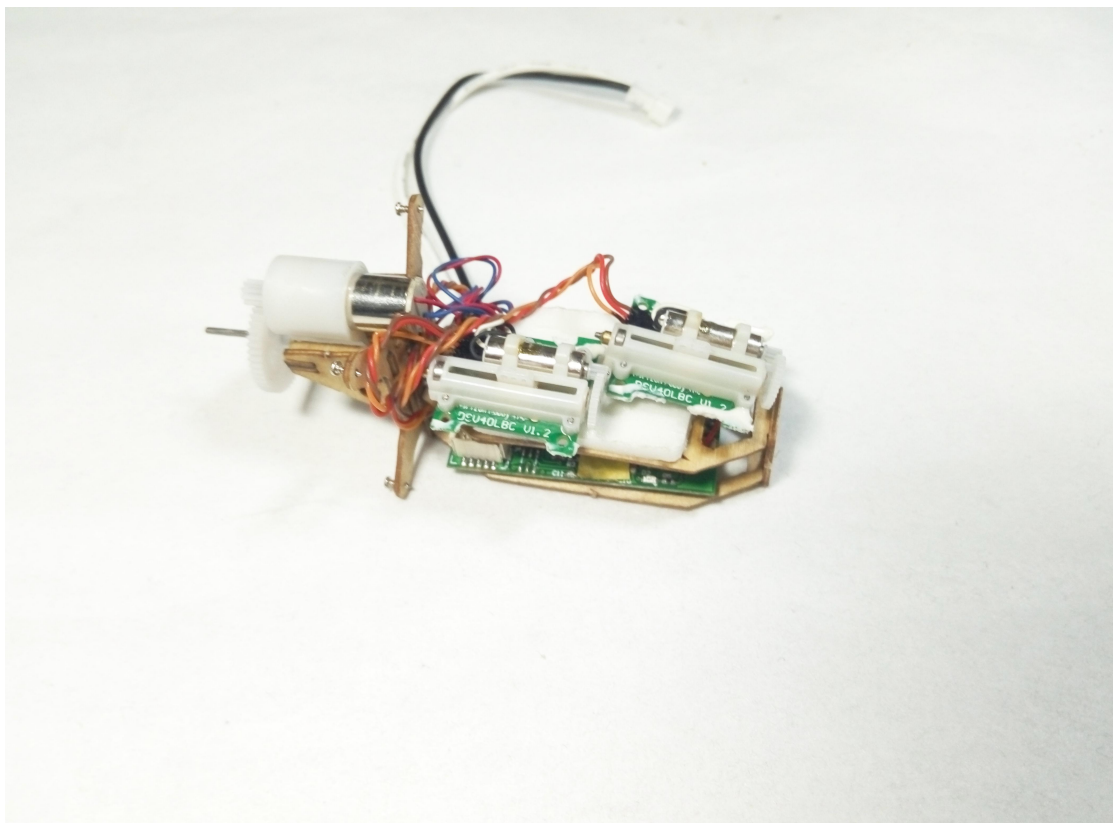
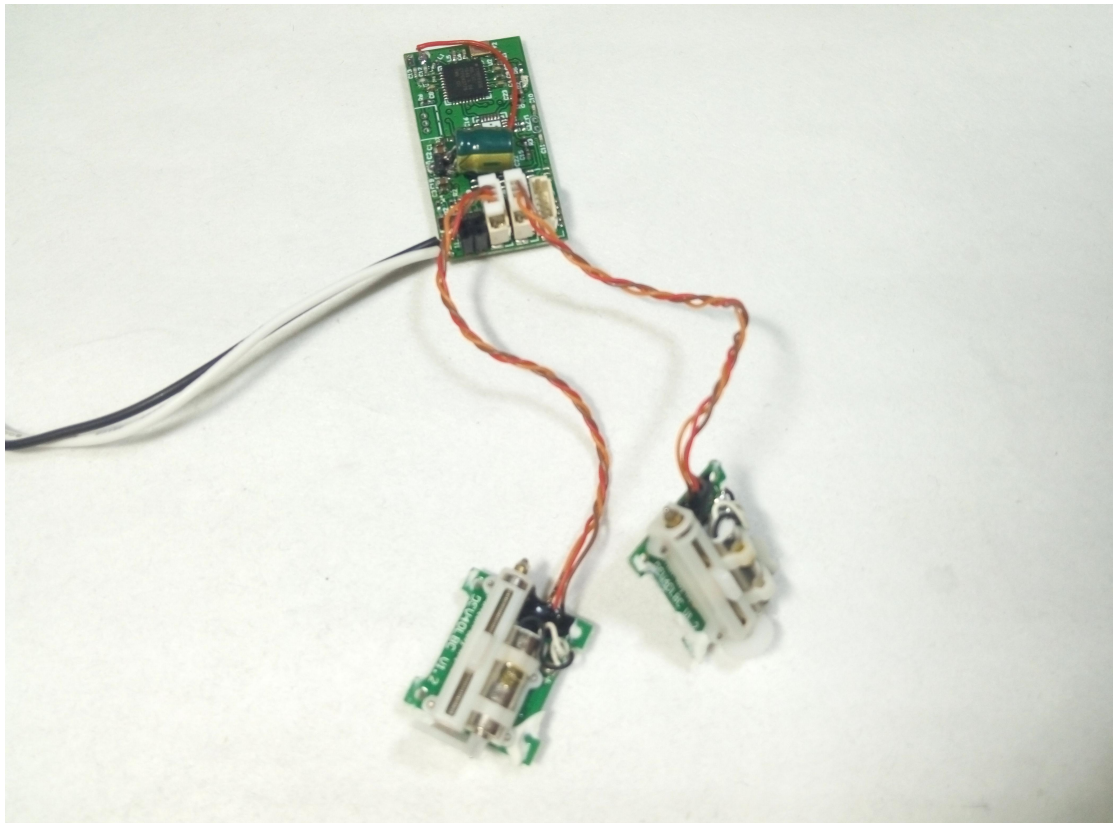


**Step2**



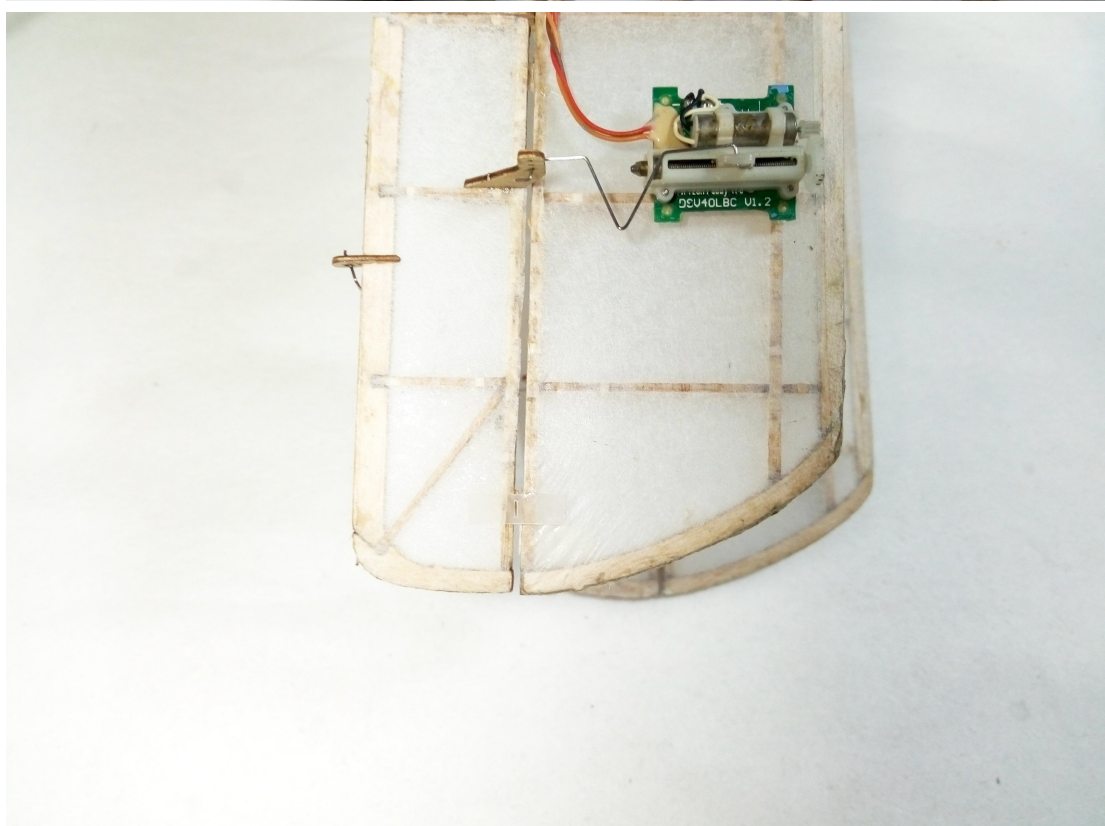
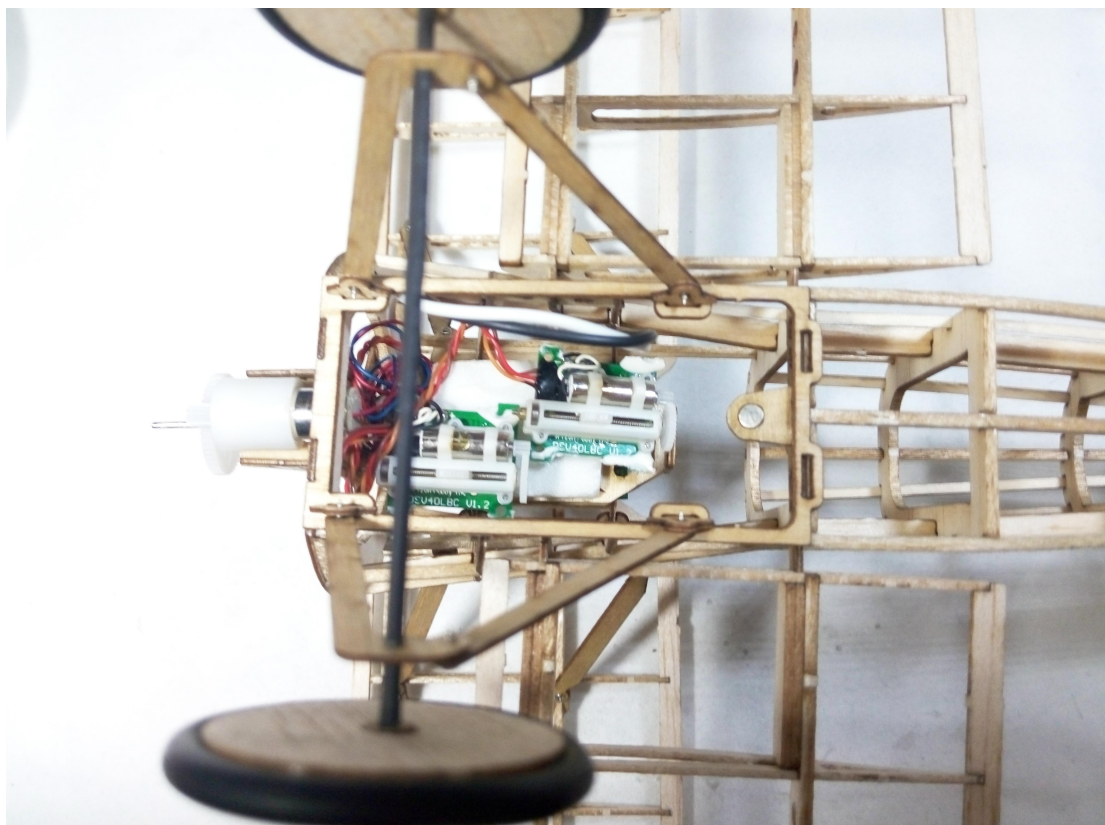
**Step3**

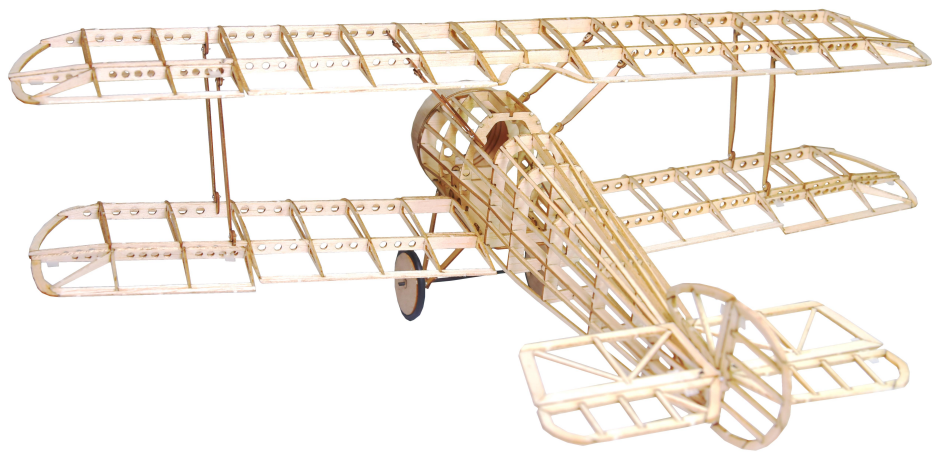




You can also put the 1.7g Micro Rockerarm servo in the quick release module!









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 cover in following website:

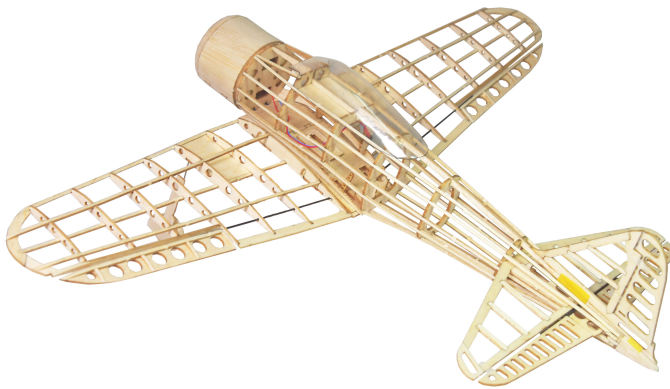
<http://www.ffscale.co.uk/comp8.htm>



## Advertisement part

Dear customers:

Thank you for your support! I' m a college student who is crazy about micro balsa plane, I will continue designing traditional peanut scale which is cheaper but finer than other peanut plane on the market like Guillows, Sterling, Westwind ...



**Tony Ray' s peanut scale series**

- ☐ You can buy Mini Cessna 182 on [www.banggood.com](http://www.banggood.com)
- ☐ You can buy Mini Zero Fighter on [www.banggood.com](http://www.banggood.com)

**Tony Ray' s E-mail: [2721100643@qq.com](mailto:2721100643@qq.com)**

**If you have any suggestions or trouble, contact me, best wishes**