



## Salmson 2A2 Mid Type



One of the early aviation's most underrated pioneers was the French industrialist Emile Salmson (1858–1921). In 1890, Emile began his career in Paris, manufacturing pumps. Together with two aviation pioneers, George Canton and George Unné, he established the “Société de Moteurs Salmson” in 1910. In that year, they produced their first successful engine, an 80hp seven-cylinder radial, followed by a 120hp nine-cylinder version a year later. At a time when engines were frequently breaking down, Salmson's products became famous for their reliability.

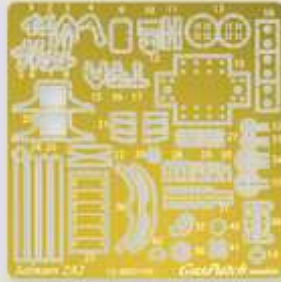
Despite an unsuccessful first attempt at producing an aircraft, the company was commissioned by Armée de l'Air to produce the reconnaissance aircraft Sopwith 1½ Strutter under license. Meanwhile, they worked on improved aircraft designs, and later they proposed to Armée de l'Air their “Salmson D”, with an 130hp Clerget engine. Armée de l'Air declined, but Salmson insisted in further developing the designs. In April 1917, they introduced the Salmson 2A2, with the 260hp Canton-Unné 9z nine-cylinder water-cooled radial engine. This time, the French air force accepted the new aircraft as a replacement of the now obsolete Sopwith 1½ Strutter.

The Salmson 2A2 equipped 52 French escadrilles. In addition, the American Expeditionary Forces ordered 750 aircraft to equip 10 squadrons. The total production reached 3250 items, of which 2200 were built by Salmson and the rest by Latécoère, Hanriot and Desfontainers. After the war, the Japanese air force ordered about 350 Salmson 2A2s. The Polish, Czechs and Greeks also ordered small numbers.

The Salmson 2A2 was a robust, two-seated airplane, fast, reliable, and adaptable to other uses; it was used, for example, as a bomber, and even as a fighter plane. Its most important innovation was the self-sealing tanks, which contributed to the avoidance of fire on board, which was one of the main fears of early aviators.



Engine Photo Etched



Main Photo Etched



Masks for 91st Squadron



Masks for Wheels and Wingshields



Decal Correction



Salomon 2A2 Acetate for PE Wing shield

### Color Reference

White

White

Black

Black

Aluminum

Aluminum

Wood Color

Wood

Chestnut Brown

Chestnut Brown

Tire Grey

Tire Grey

French Ecru

French Beige

French Beige

French Beige

French Light Green

Light Green

French Dark Green

Dark Green

Gun Metal

Gun Metal

Dull Red

Dull Red

Maroon

Maroon

Natural Metal

Natural Metal

French Linen

French Linen

Exhaust

Exhaust



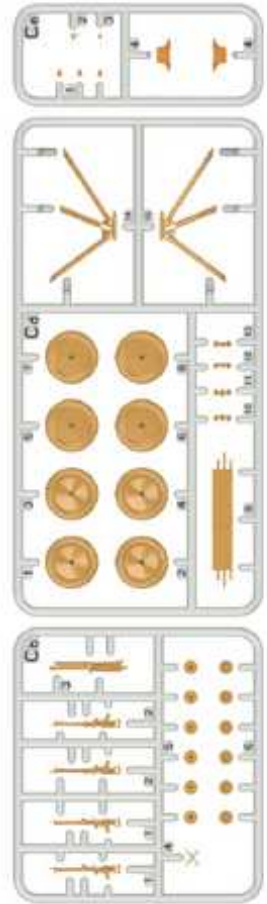
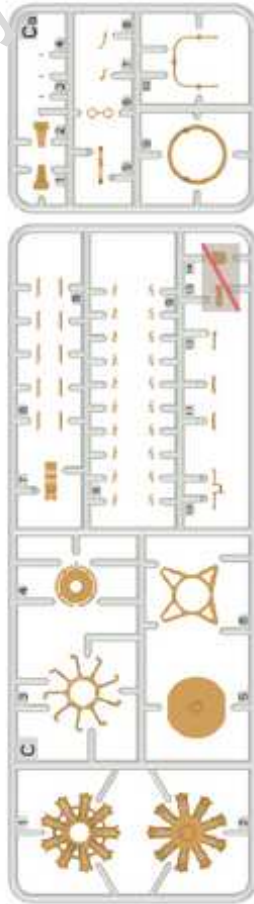
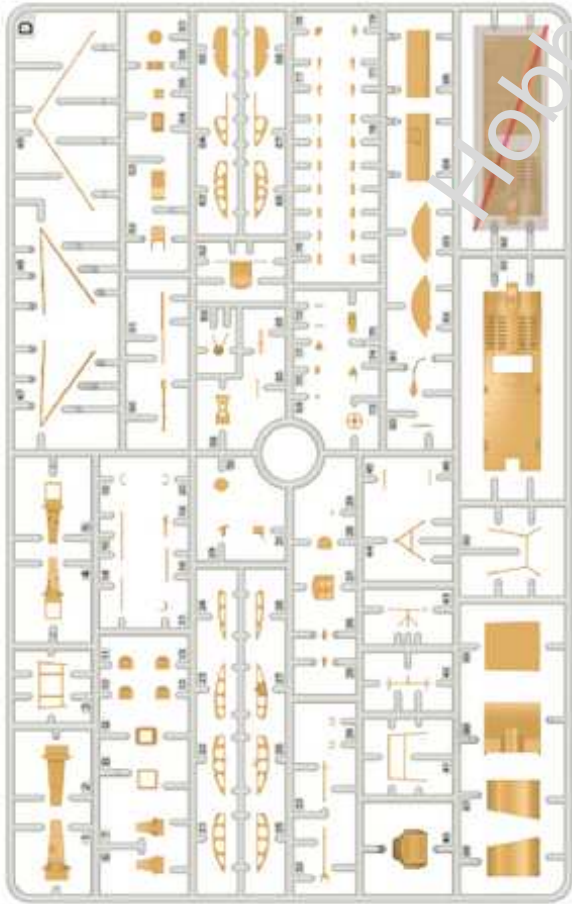
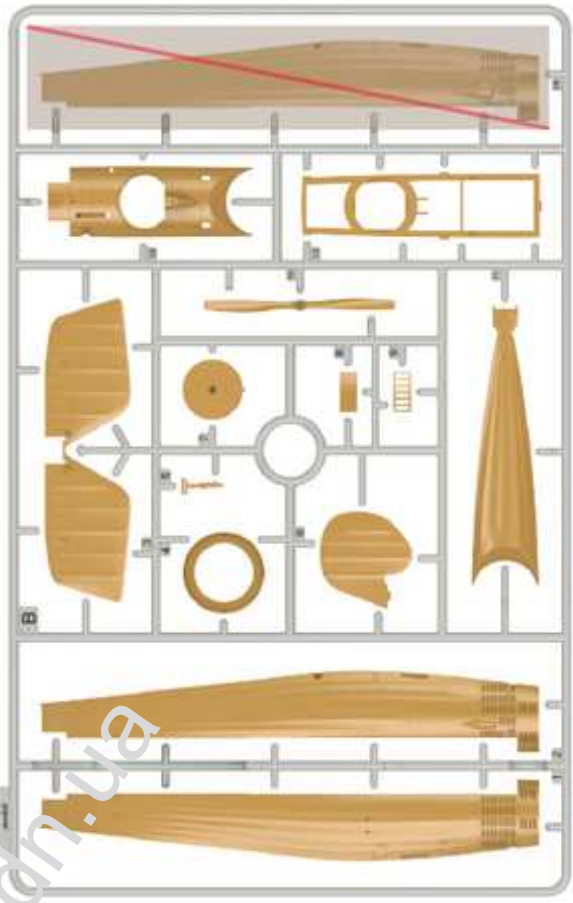
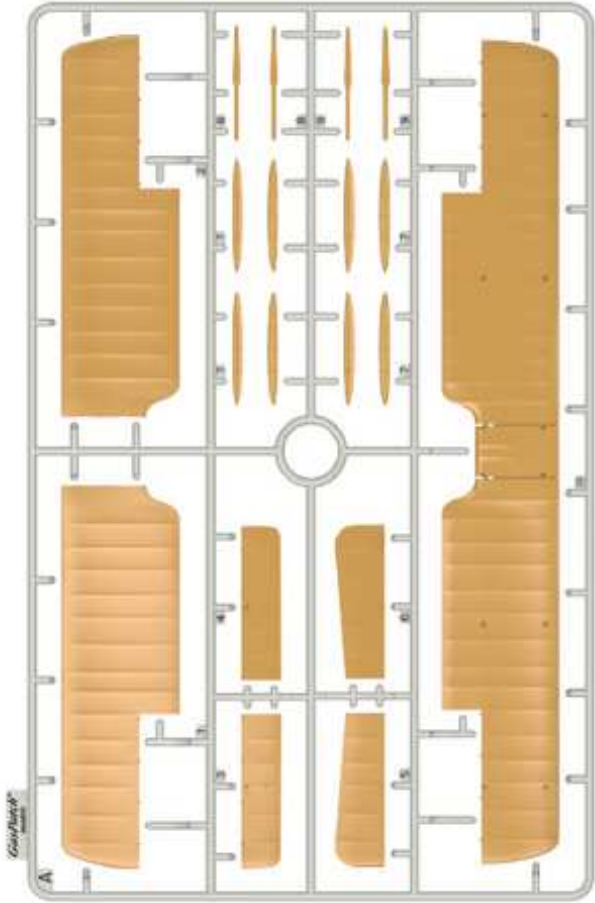
Decals

### Symbols Reference

	Attention		Cut/Remove
	Part Number		Hole
	Main Photo Etched		Option
	Engine Photo Etched		Bend
	Symmetry		Saw
	Glue		Smooth
	No Glue		Mask
	Paint		Apply Decal
	No Paint		Not for use
	Color		

### Tips and tricks

- STUDY INSTRUCTIONS CAREFULLY.
- USE PHOTO ETCHED SAW FOR CUTTING SMALL THIN PARTS FROM SPRUE TREE.
- DECALS NEED ONLY 4-5" SEC IN WATER. USE DECAL SETTING SOLUTION.
- USE CA (CYANOACRYLATE) OR WHITE GLUE FOR DIFFERENT MATERIALS.
- TAKE BASIC SAFETY PRECAUTIONS.

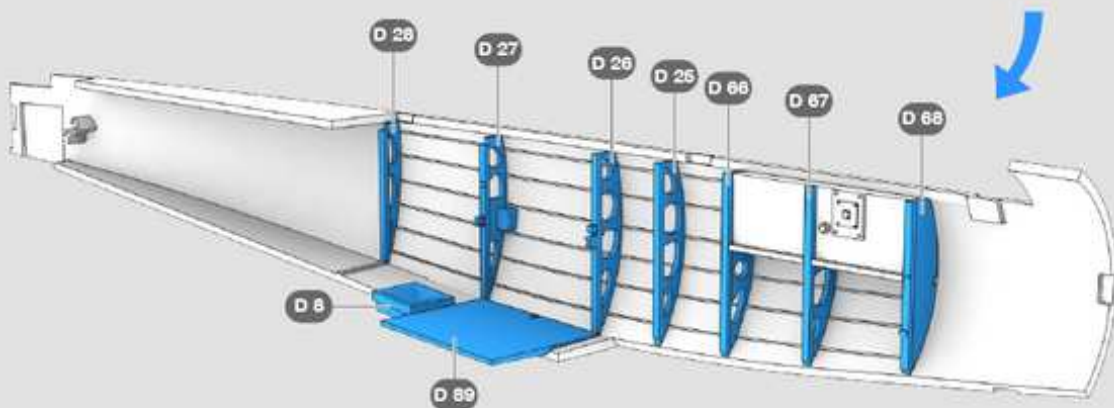
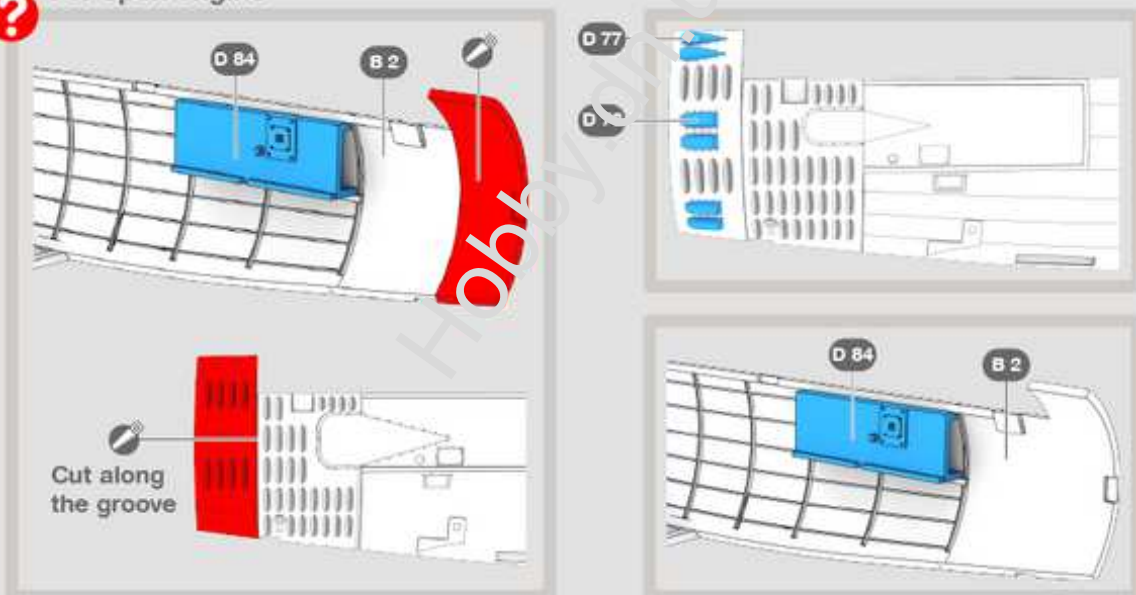


# 1 Building and painting interior (Left side)

## 🔧 Left side painting instructions



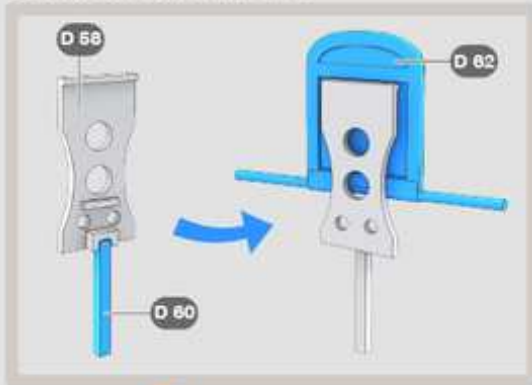
❓ For open engine



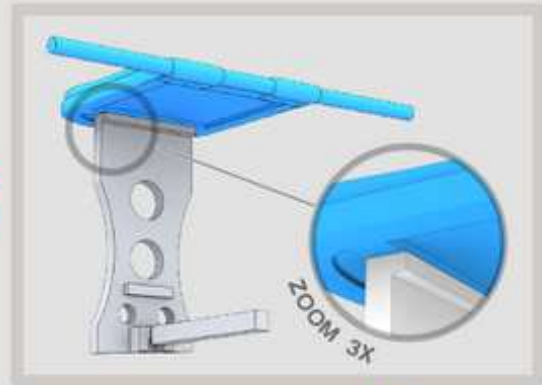
\*Rigging is not included

## 2 Adding details to interior (Left side)

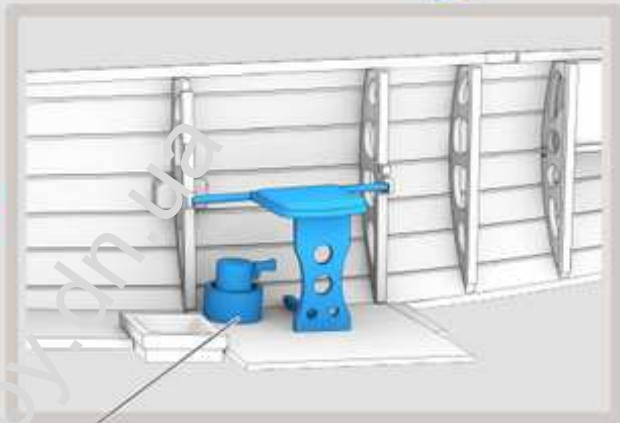
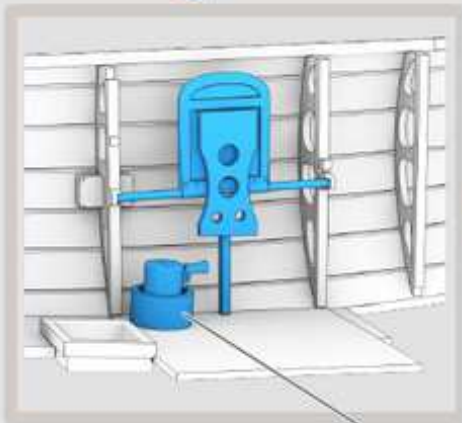
Observer/Gunner seat



Folded seat



Unfolded seat



Signal lamp & holder

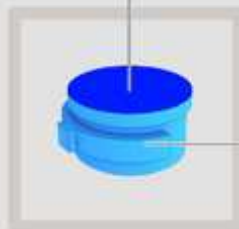


Compass

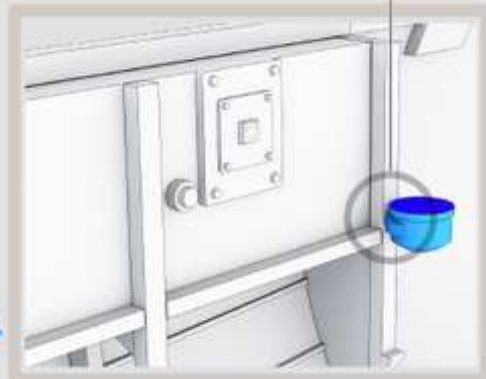


Black

27/28



Compass

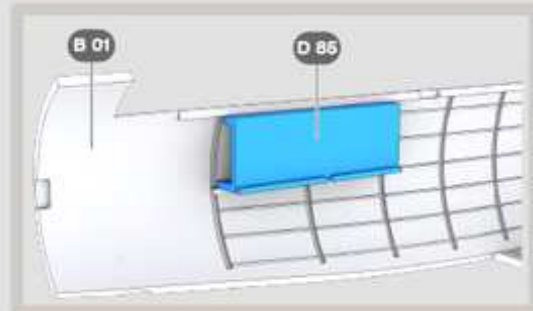
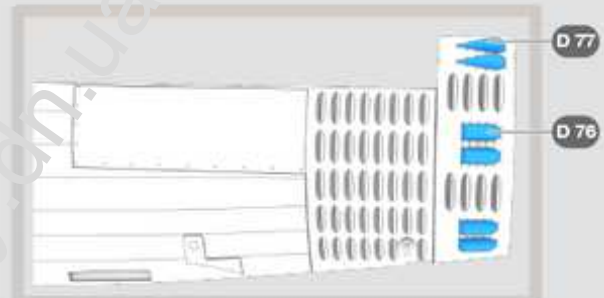
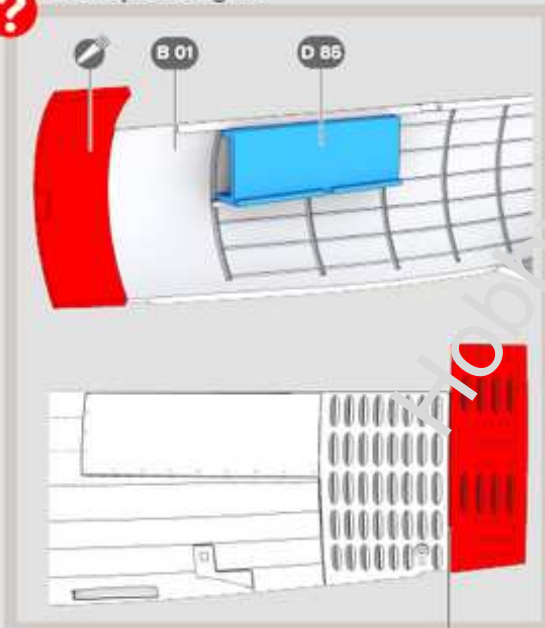



### 3 Building and painting interior (Right side)

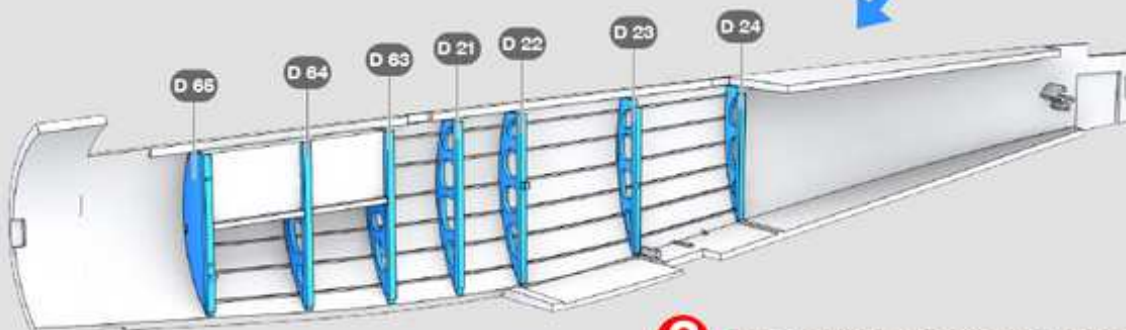
#### Right side painting instructions



#### For open engine

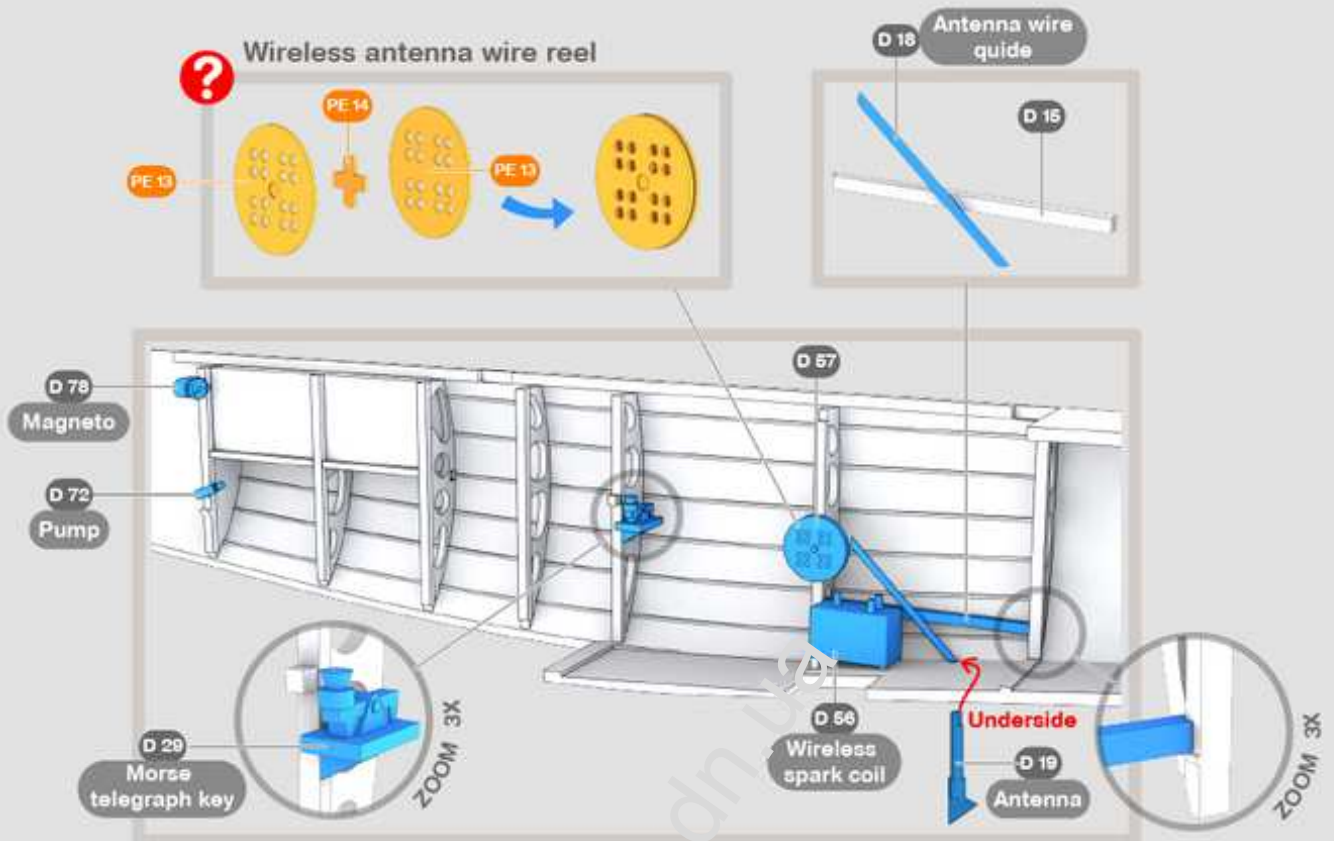


Cut along the groove 



 For control cables see step 27

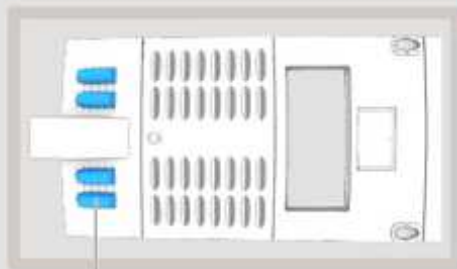
## 4 Adding details to interior (Right side)



## 5 Stick assembly

### Pilot's seat and stick

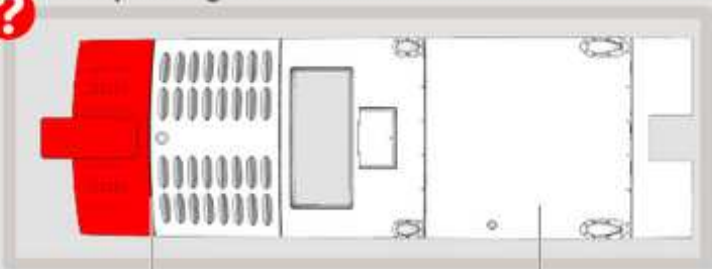




D 76



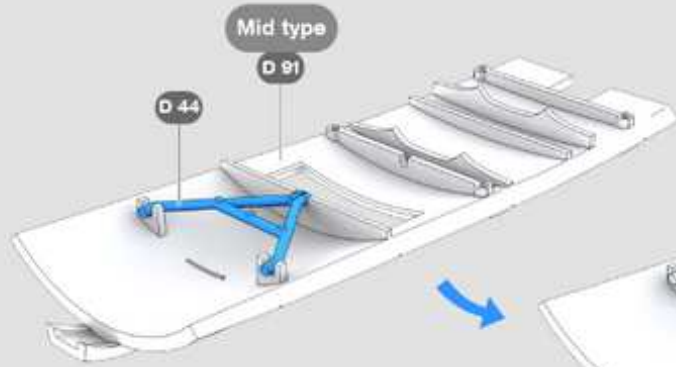
For open engine



D 91

Late type

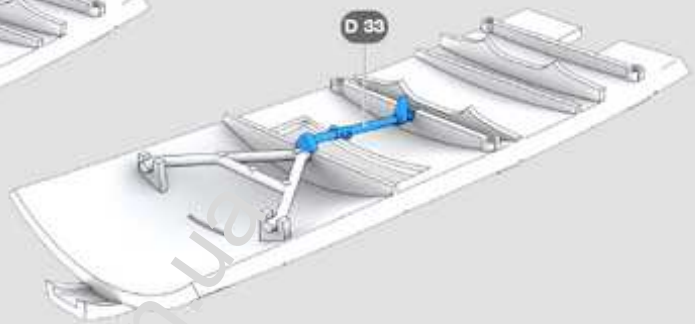
Cut along the groove



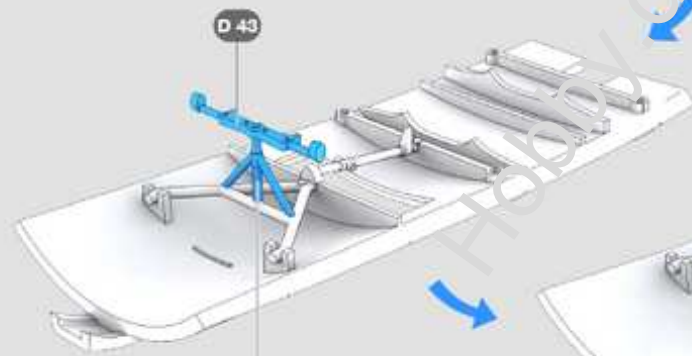
Mid type

D 91

D 44



D 33



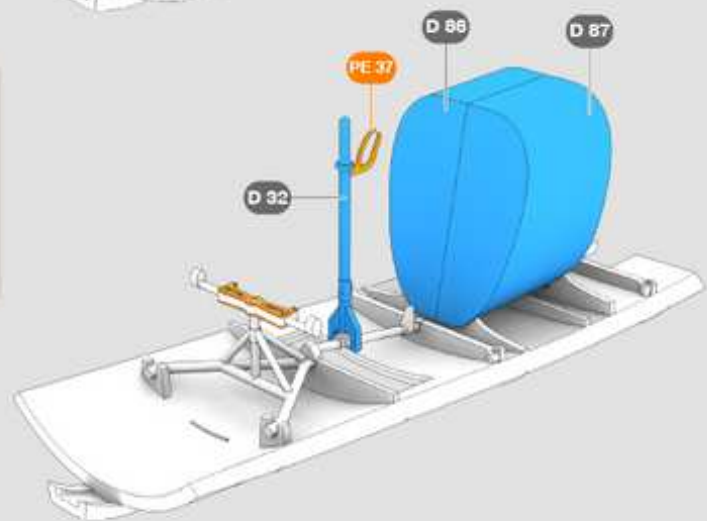
D 43

D 46



PE 36

Trim To Fit



D 32

PE 37

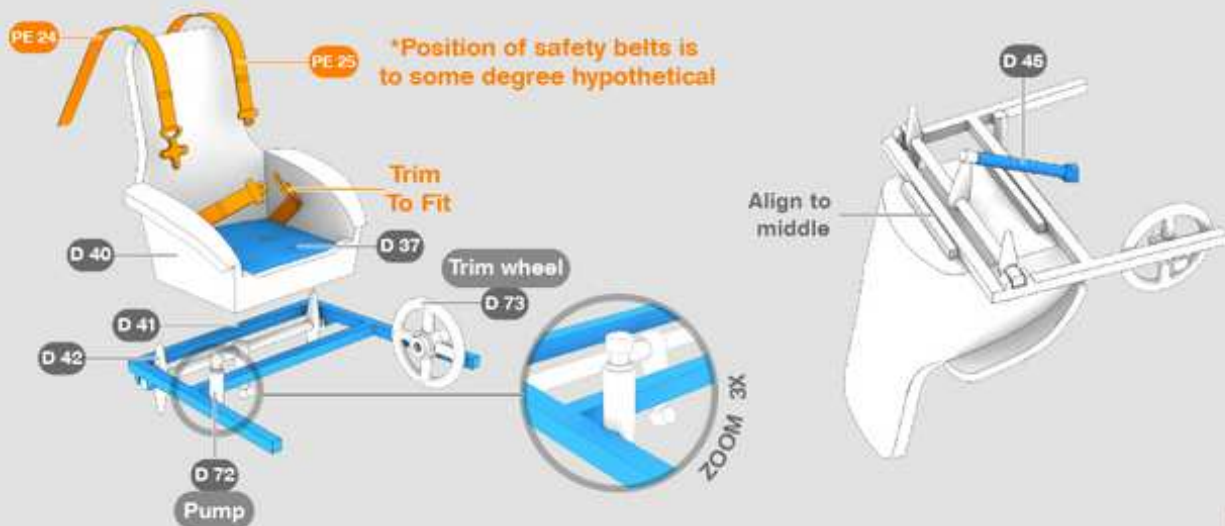
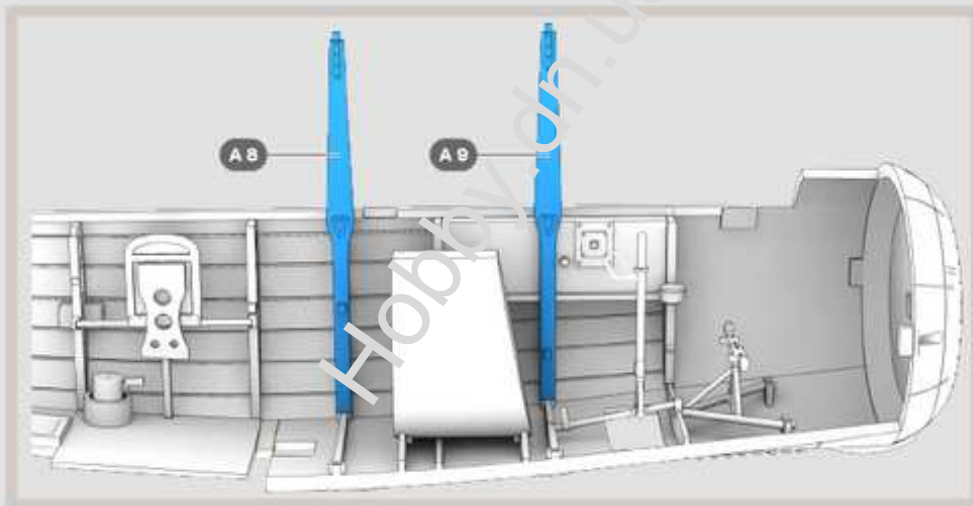
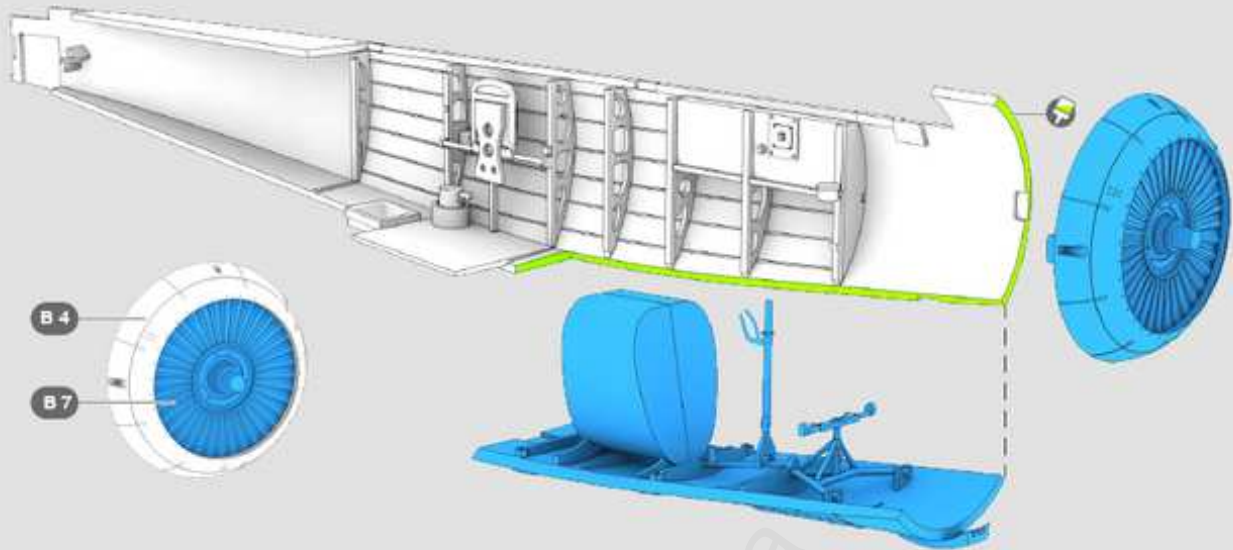
D 88

D 87

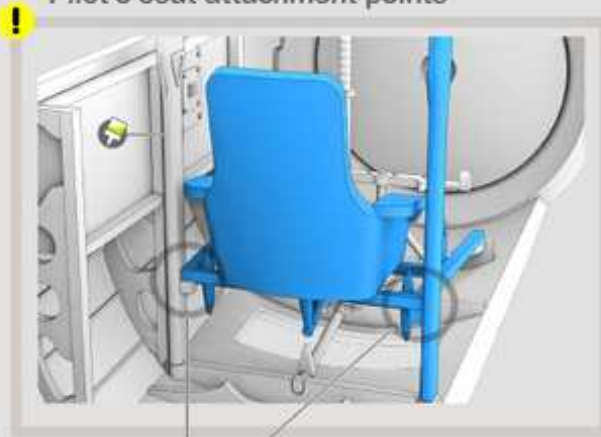


## 6 Pilot's seat assembly

! For open engine see step 20

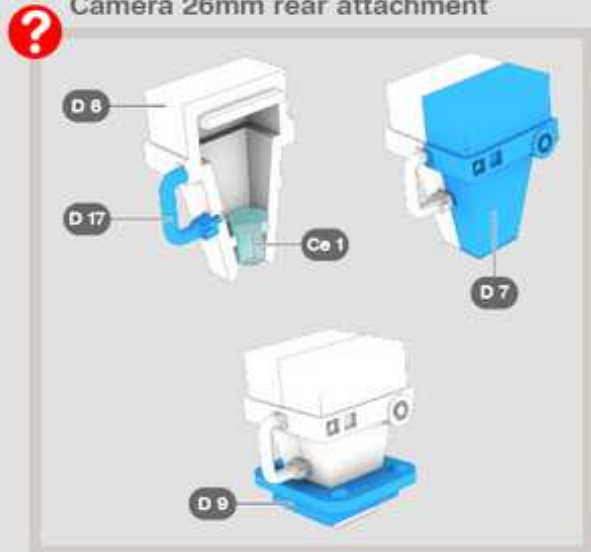


### Pilot's seat attachment points

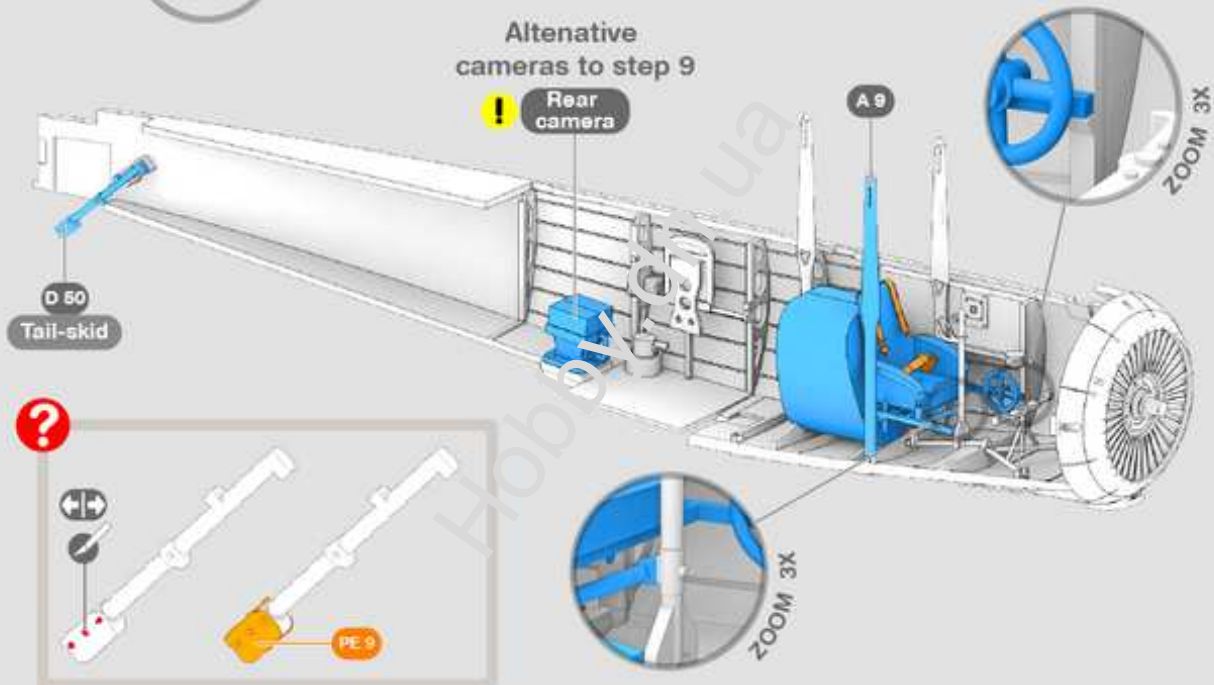


Rear attachment points

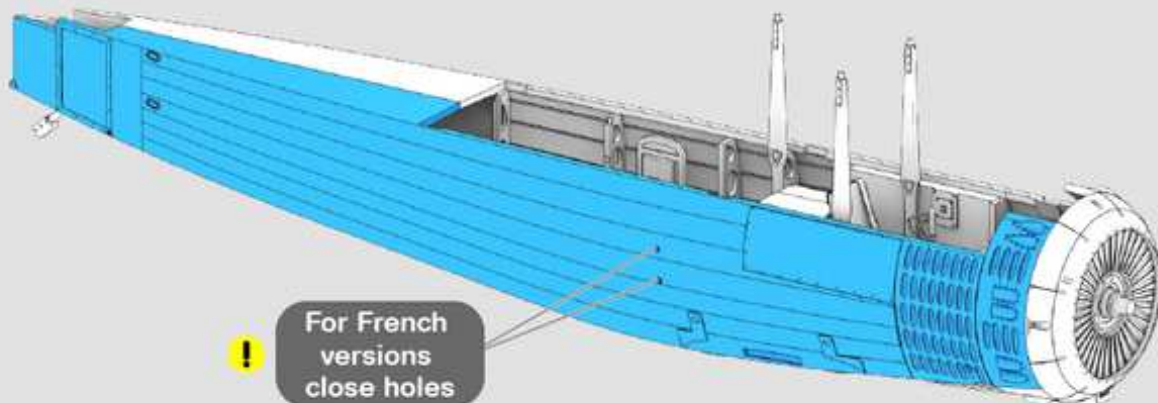
### Camera 26mm rear attachment



### Alternative cameras to step 9

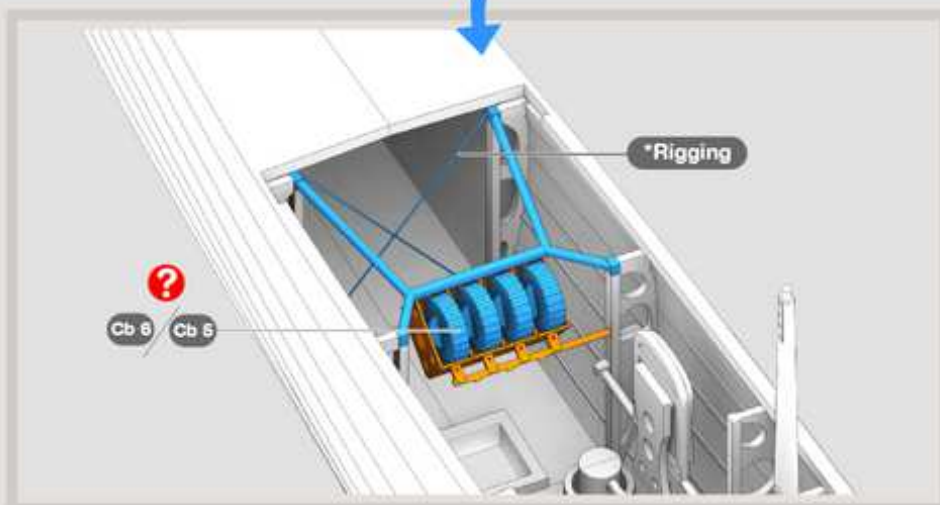
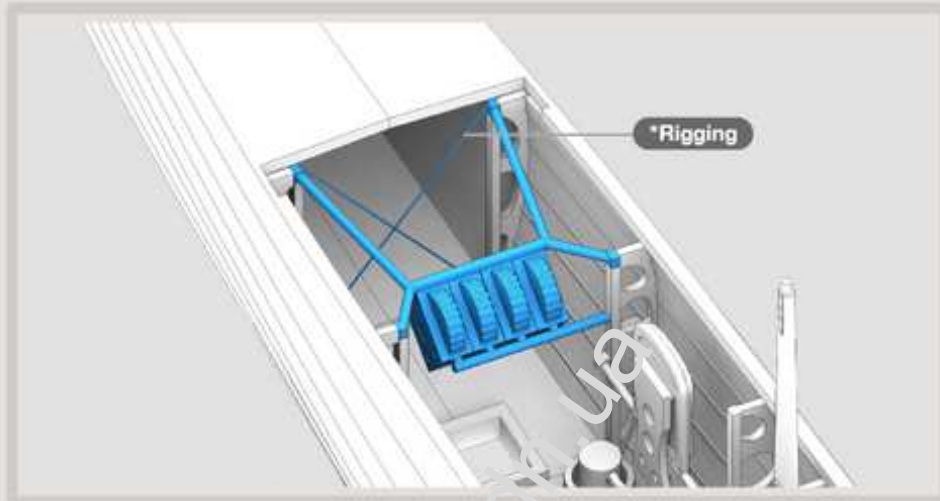
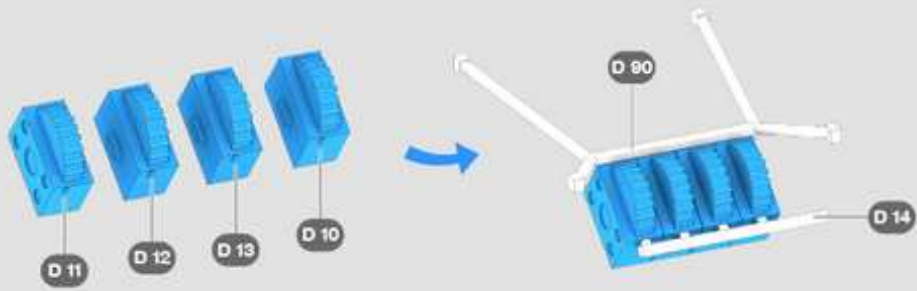


## 7 Connect fuselage



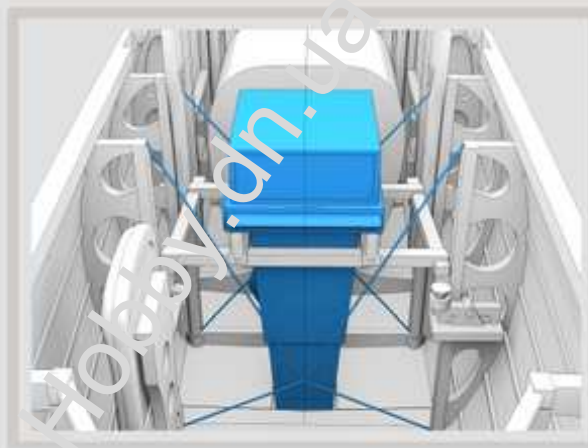
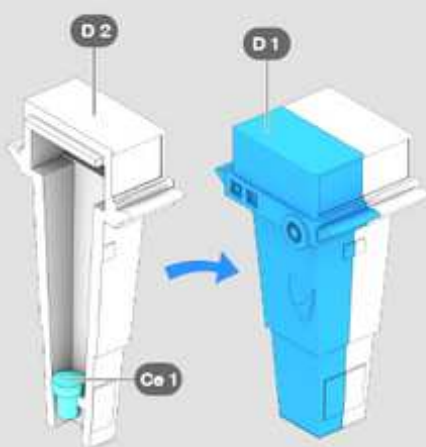
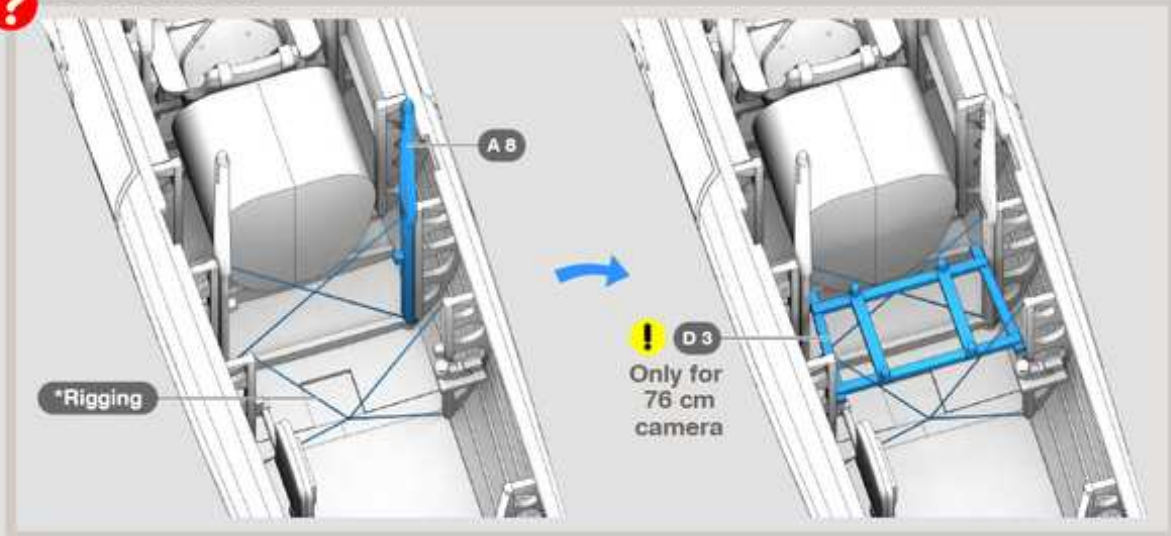
For French versions close holes

## 8 Ammo storage rack

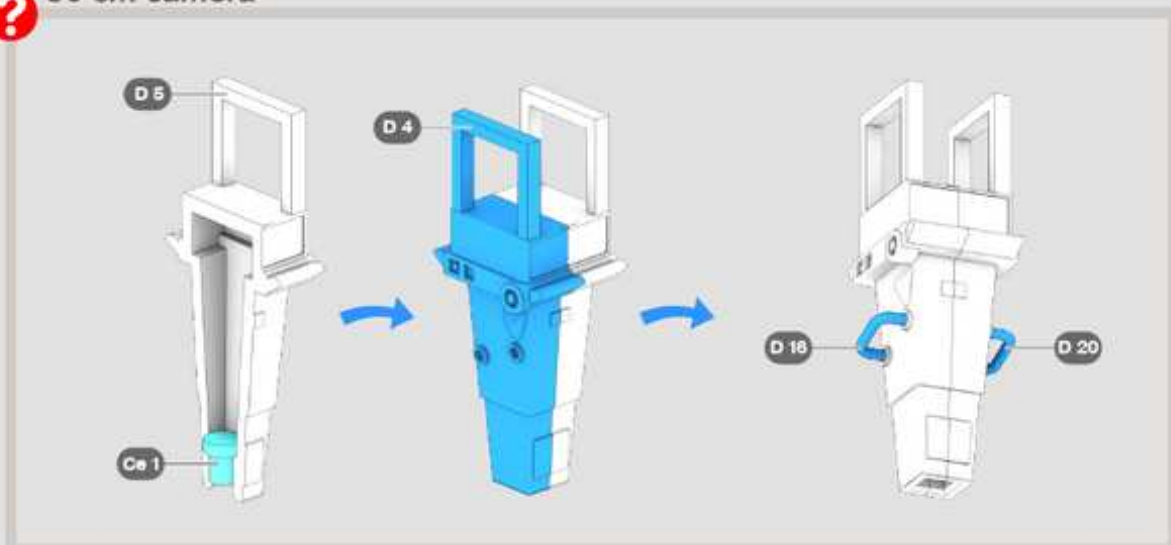


## 9 Adding alternative cameras

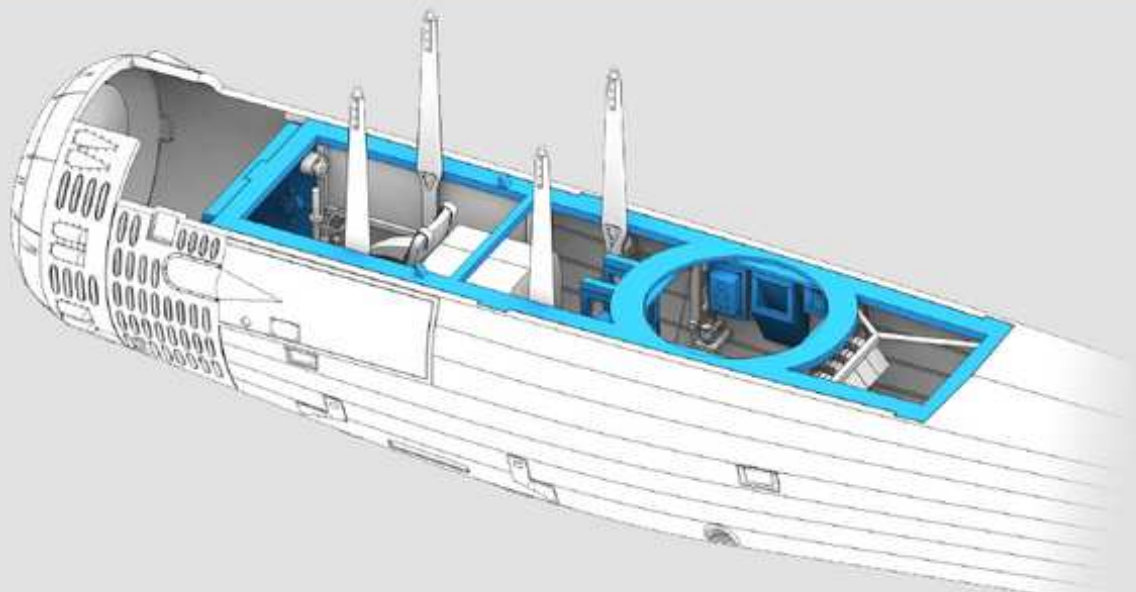
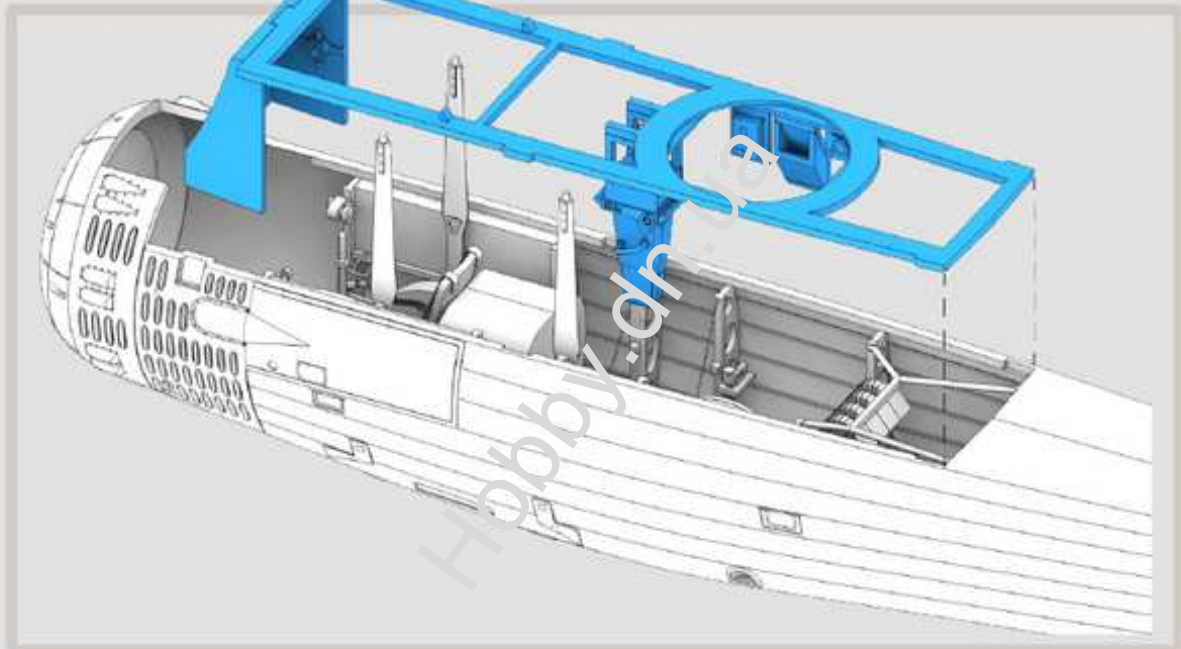
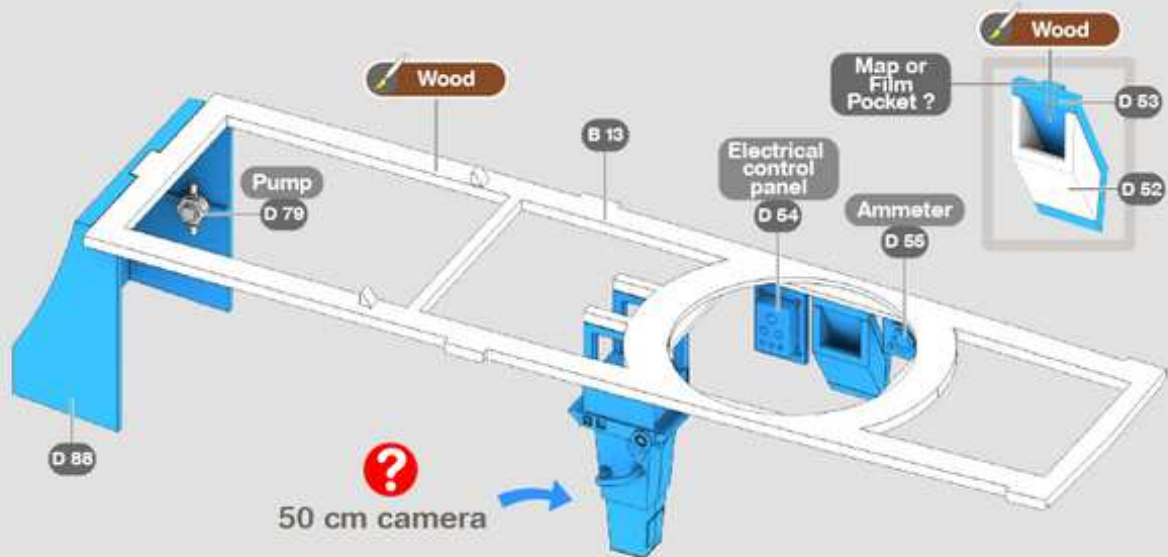
### ? 76 cm camera



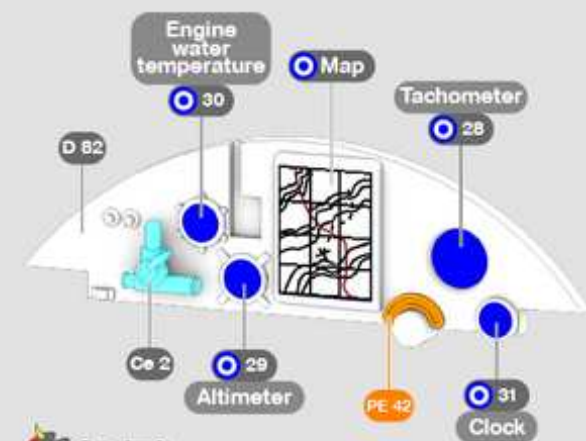
### ? 50 cm camera



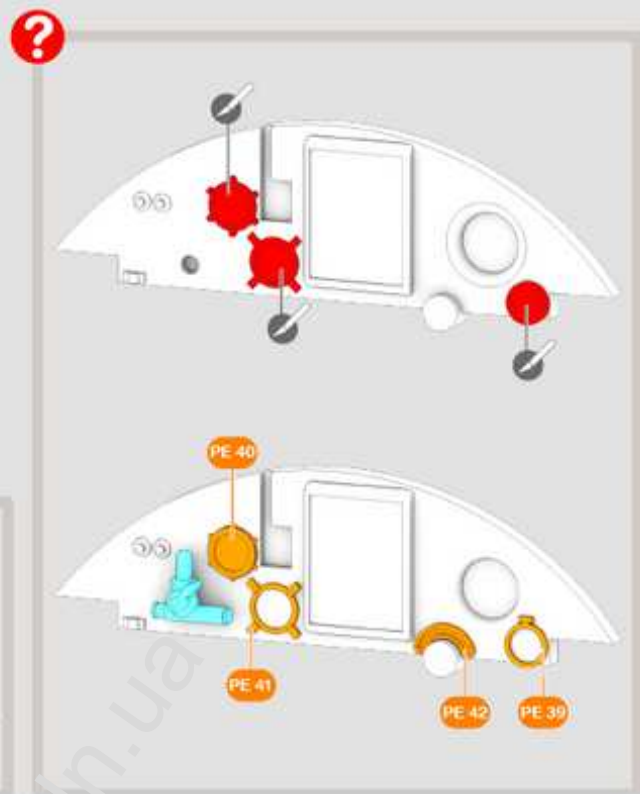
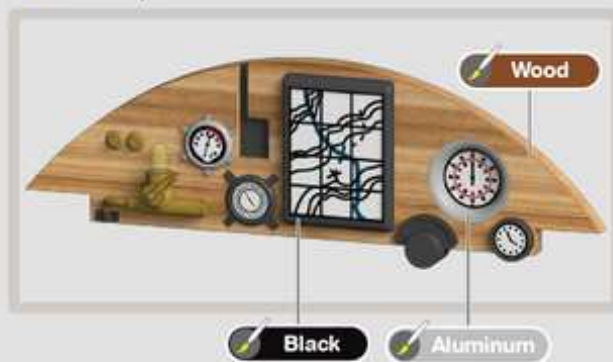
! Cameras may have different colors like light grey or light green.



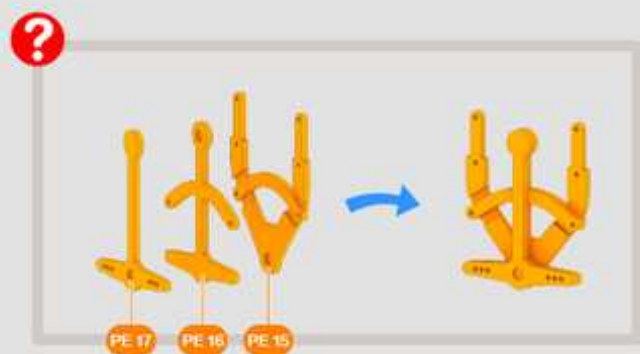
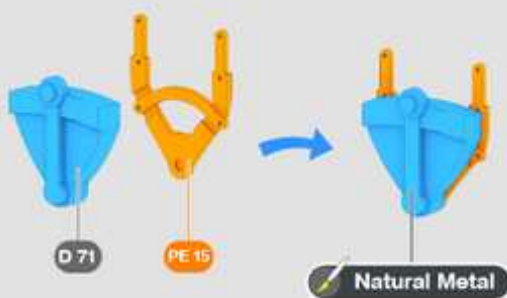
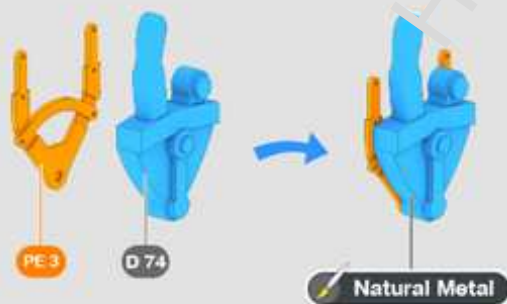
## 10 Cockpit



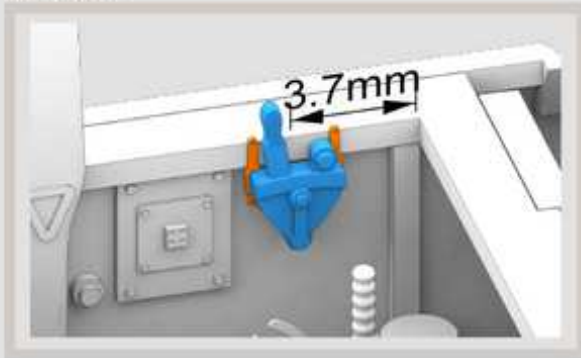
Cockpit



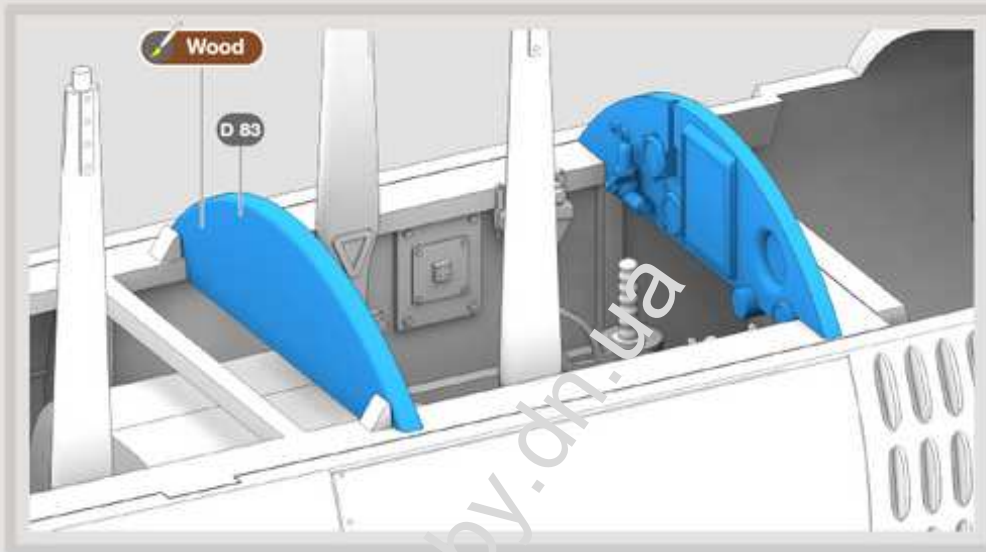
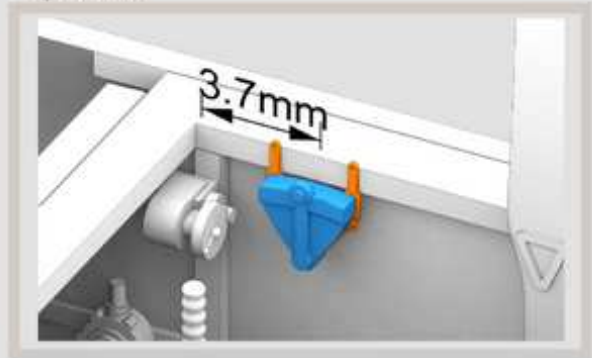
## 11 Cockpit engine controls



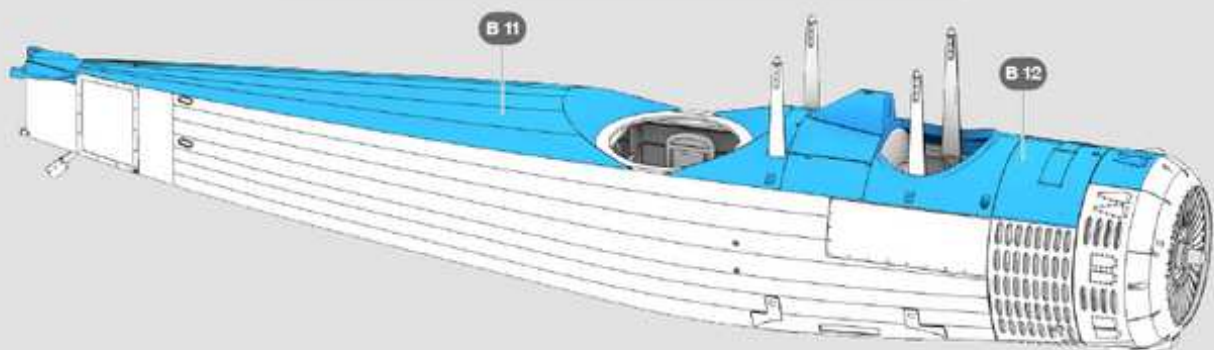
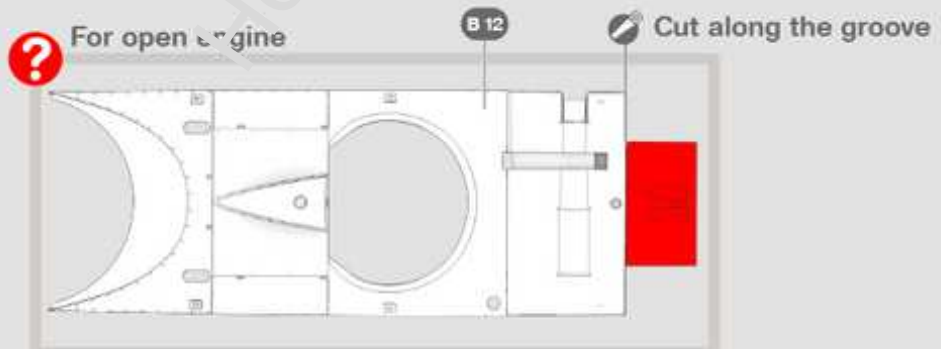
Left side



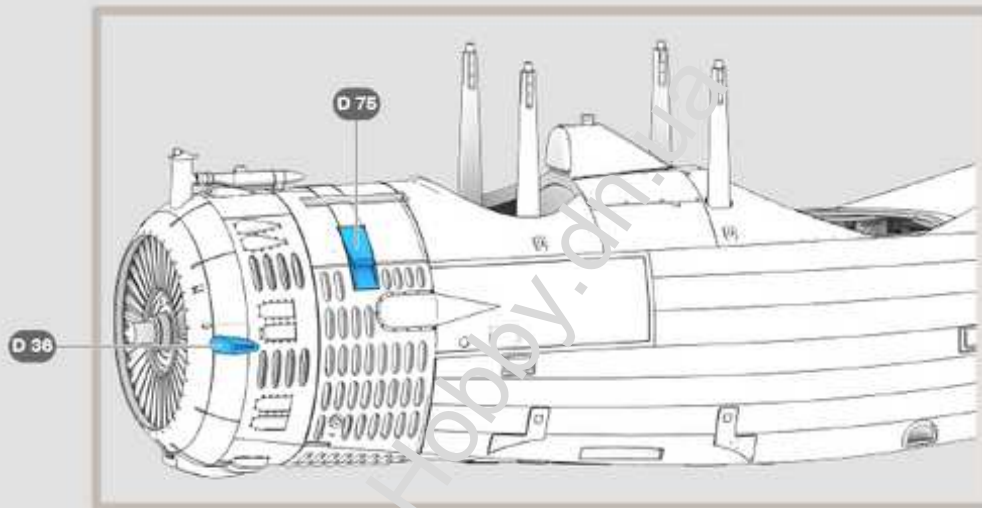
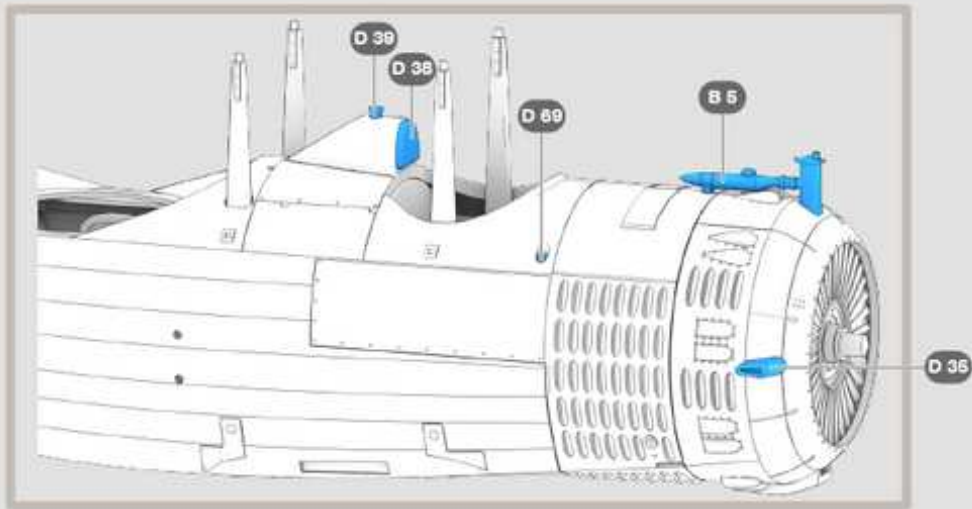
Right side



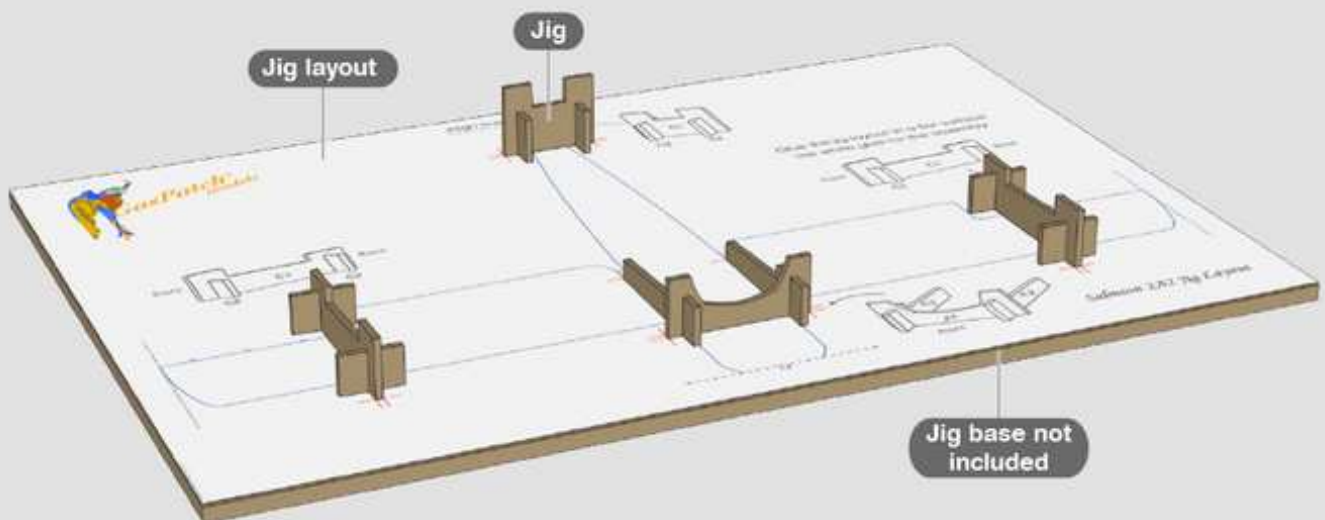
## 12 Closing fuselage



### 13 Adding exterior detail

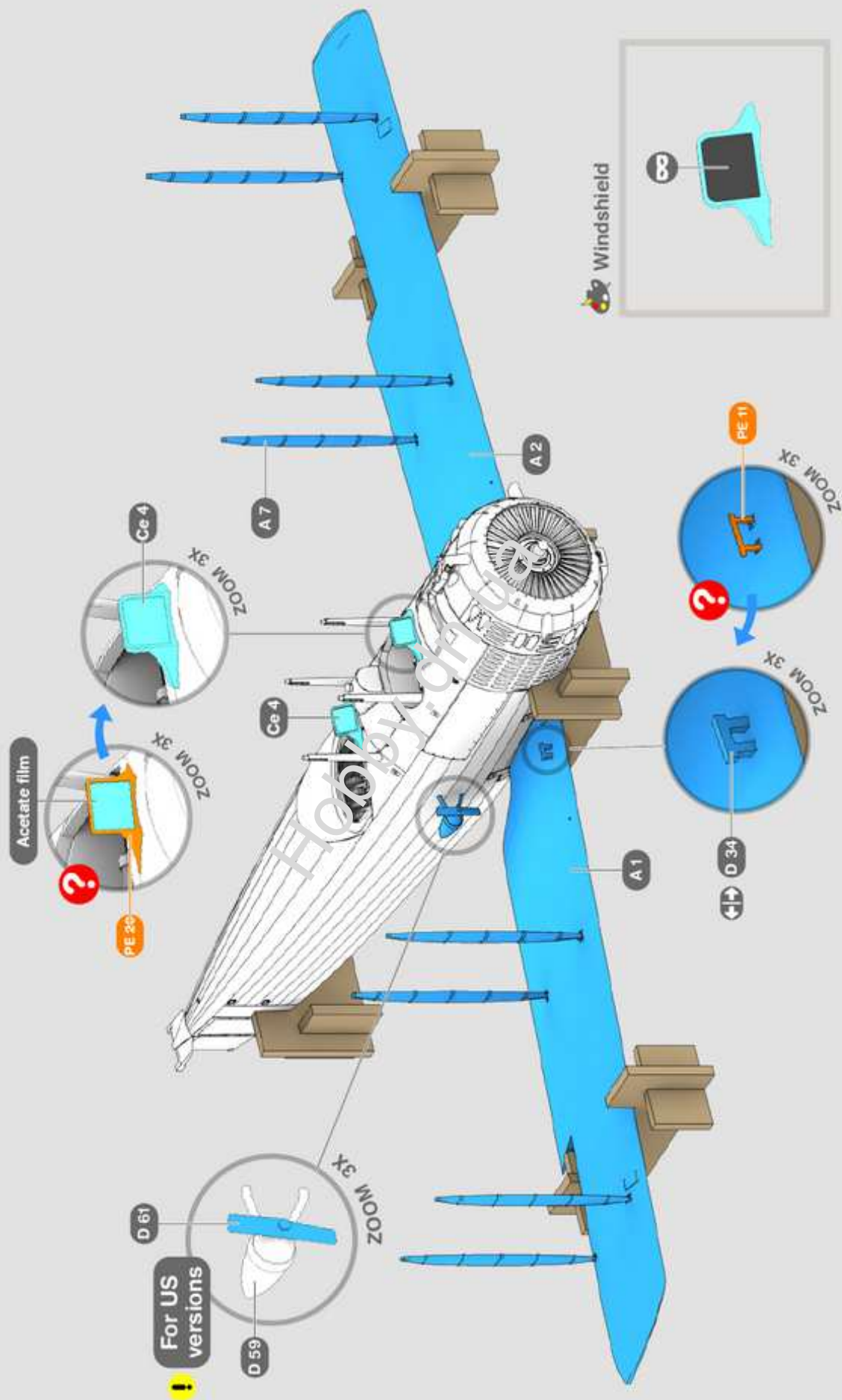


### 14 Jig assembly

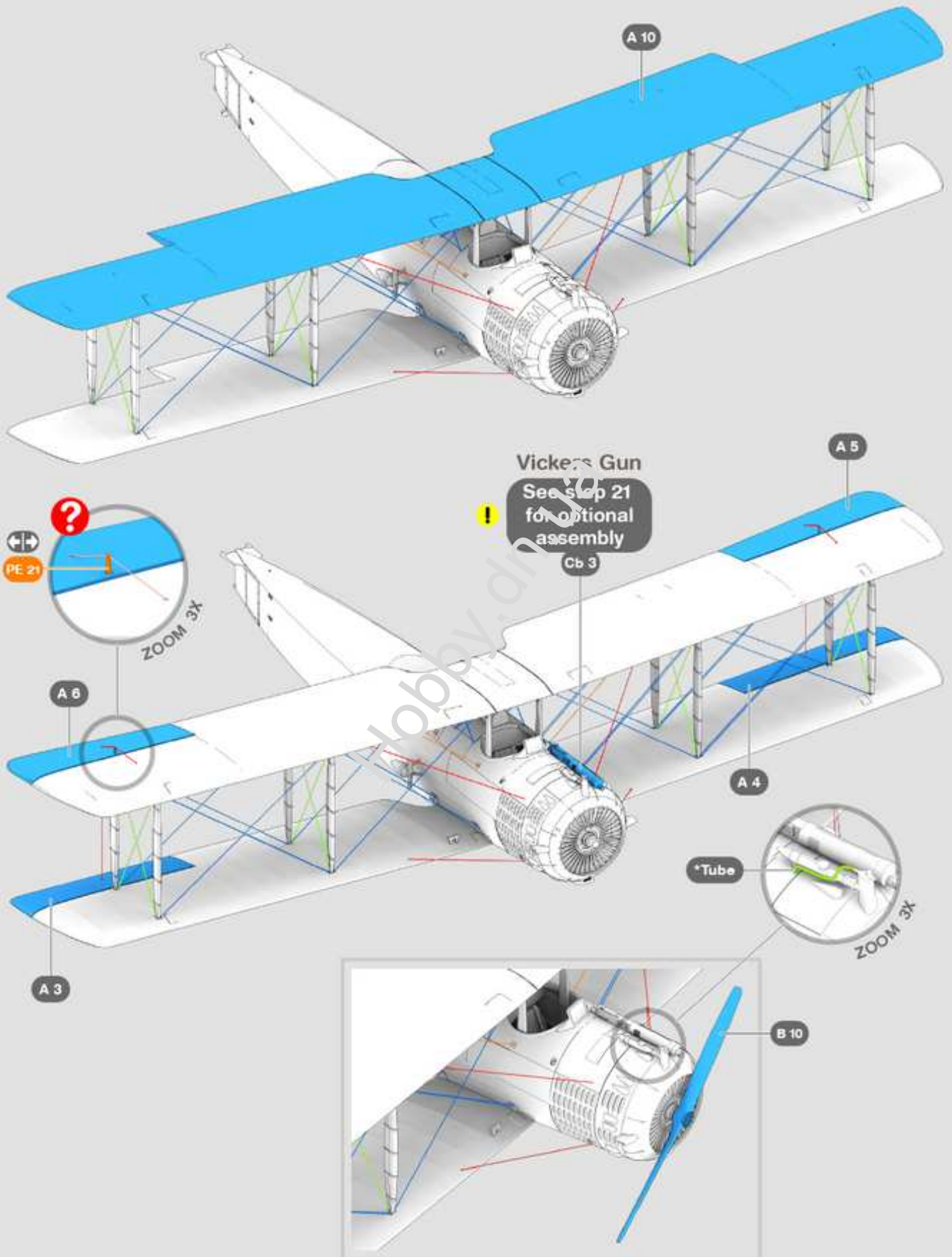


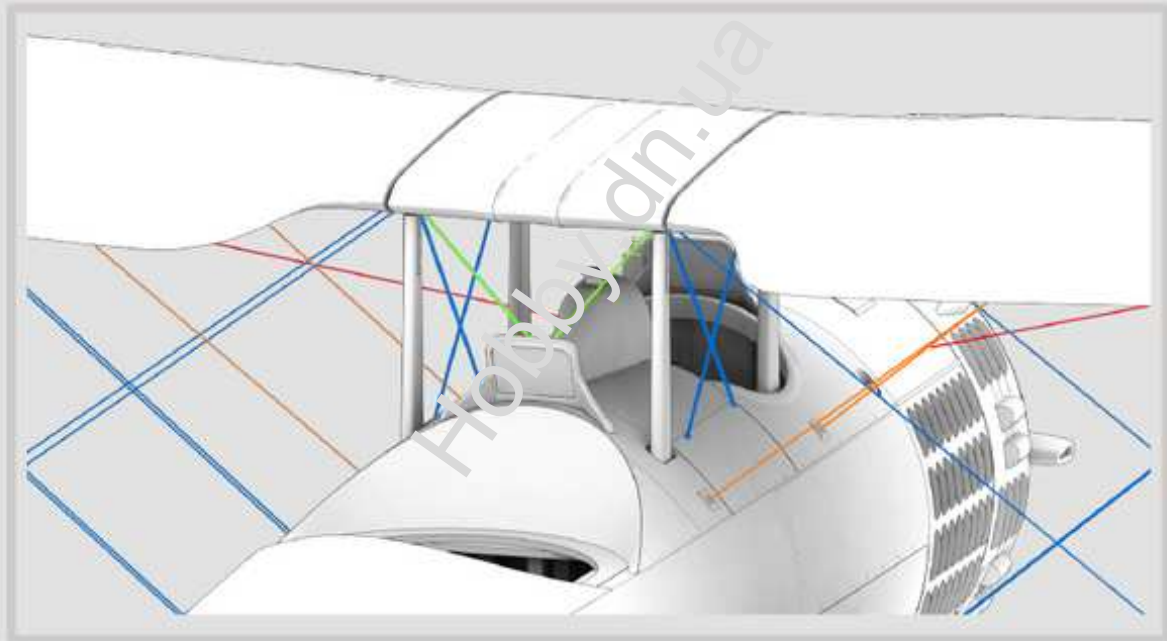
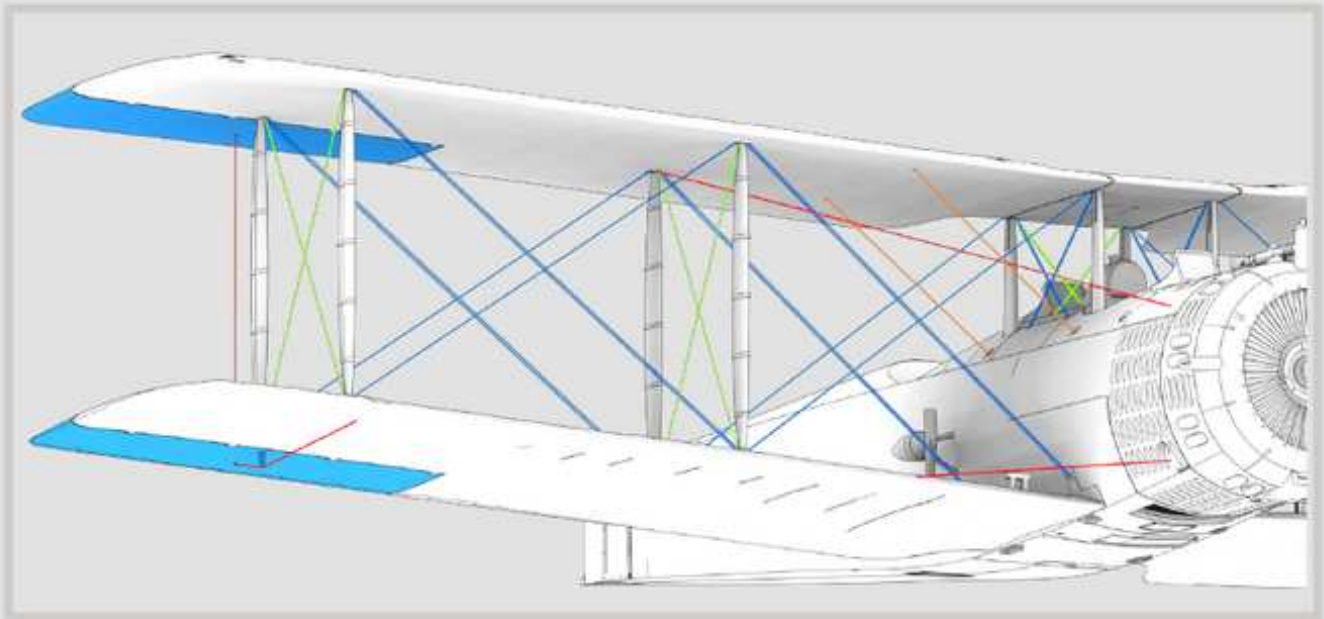


# 15 Adding lower wings



## 16 Adding upper wing, aileron and \*Rigging

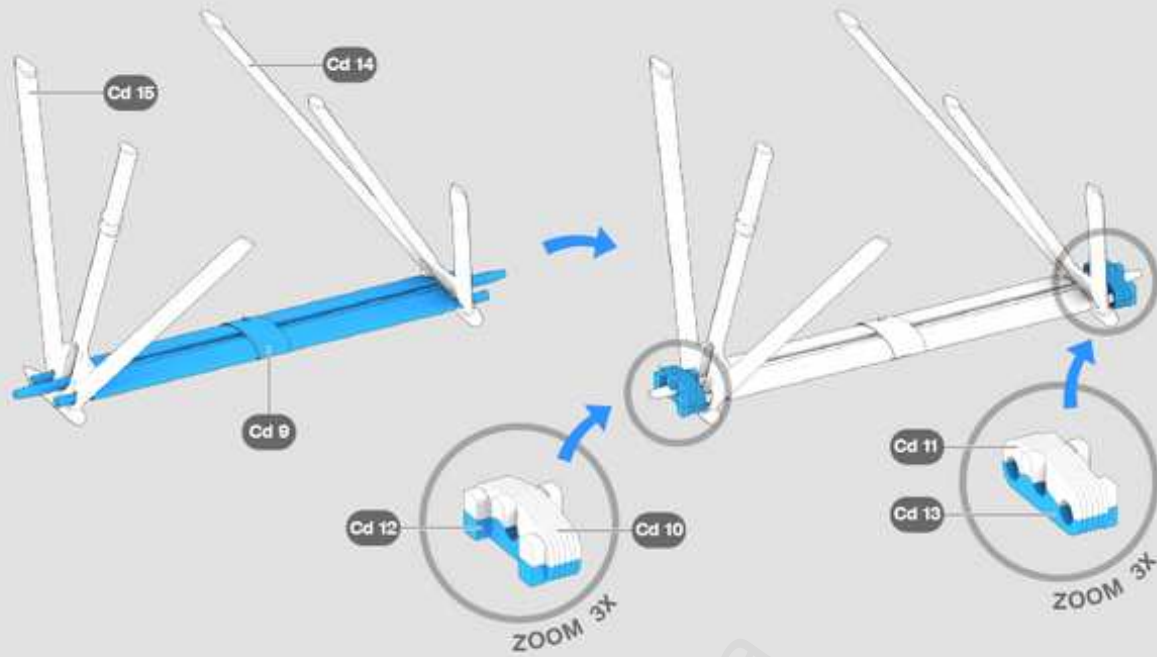




**!** We recommend Type B, Type C and Anchor points 1/48 Gaspach metal turnbuckles.

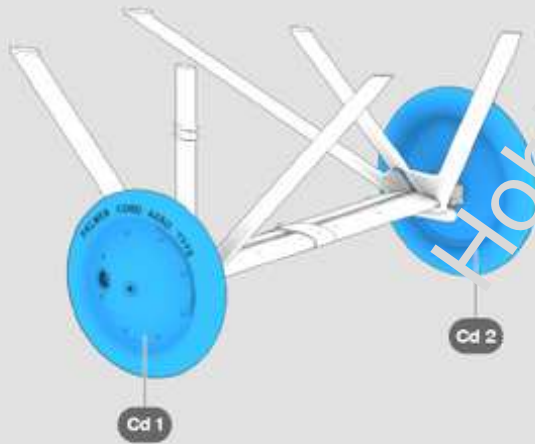


## 17 Undercarriage

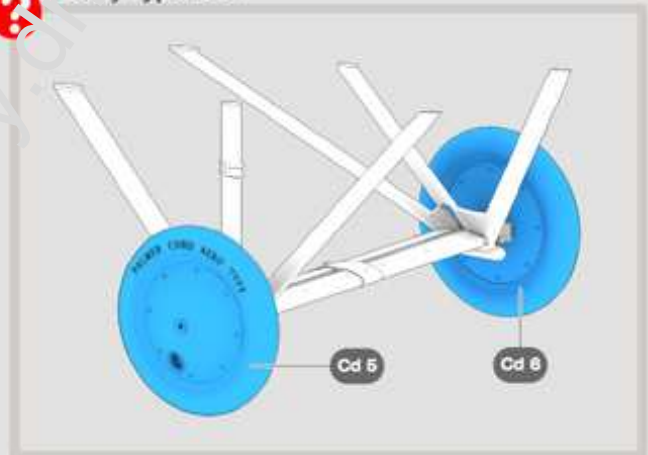


**!** USE CA (CYANOACRYLATE) GLUE FOR THE WHEELS

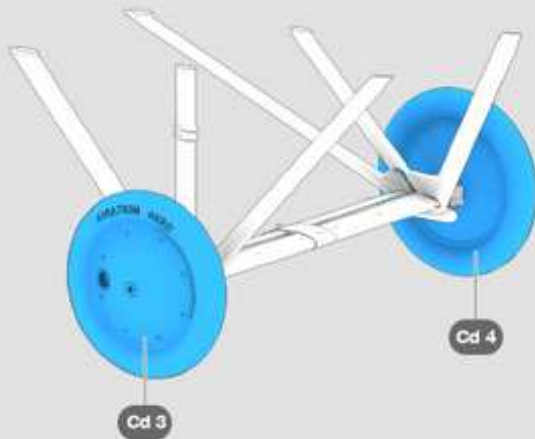
Late type US



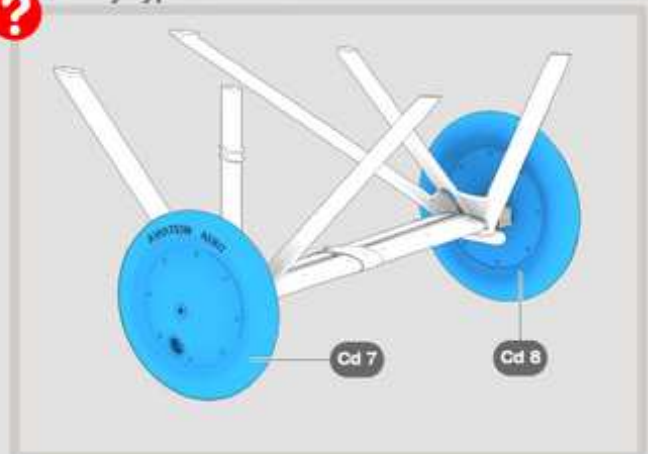
**?** Early type US

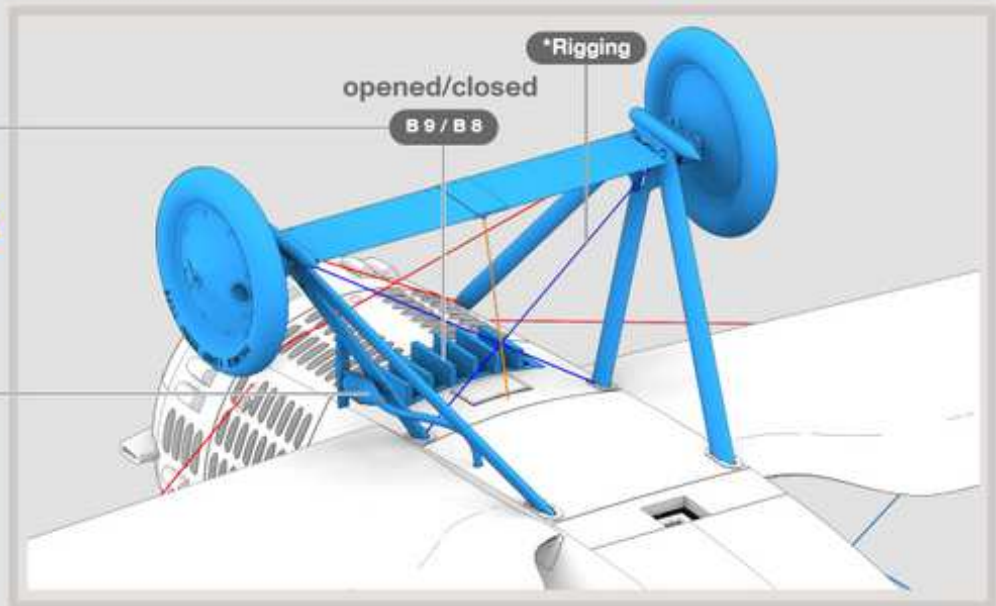
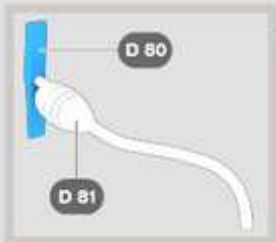


Late type French

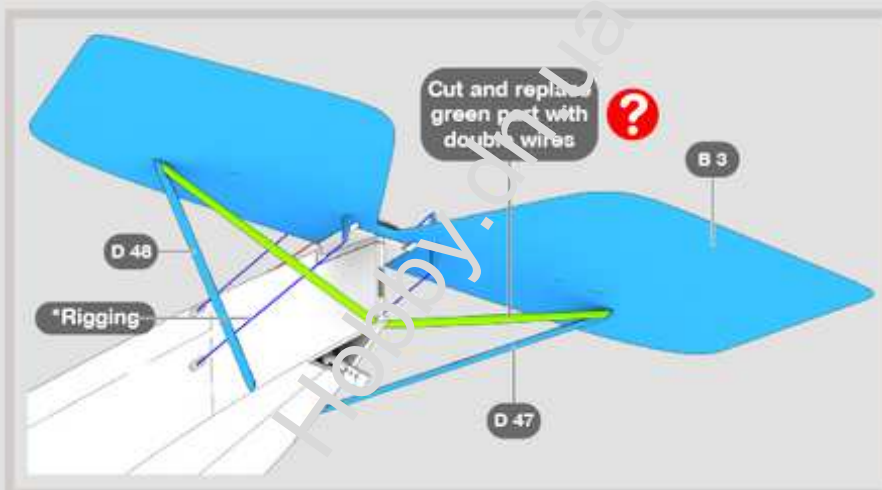


**?** Early type French

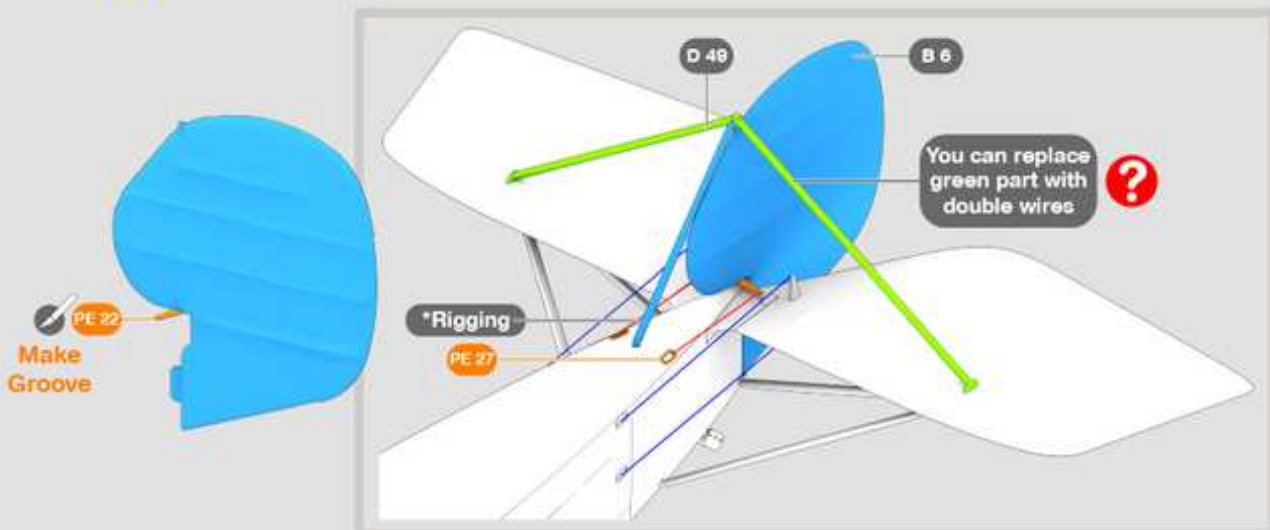




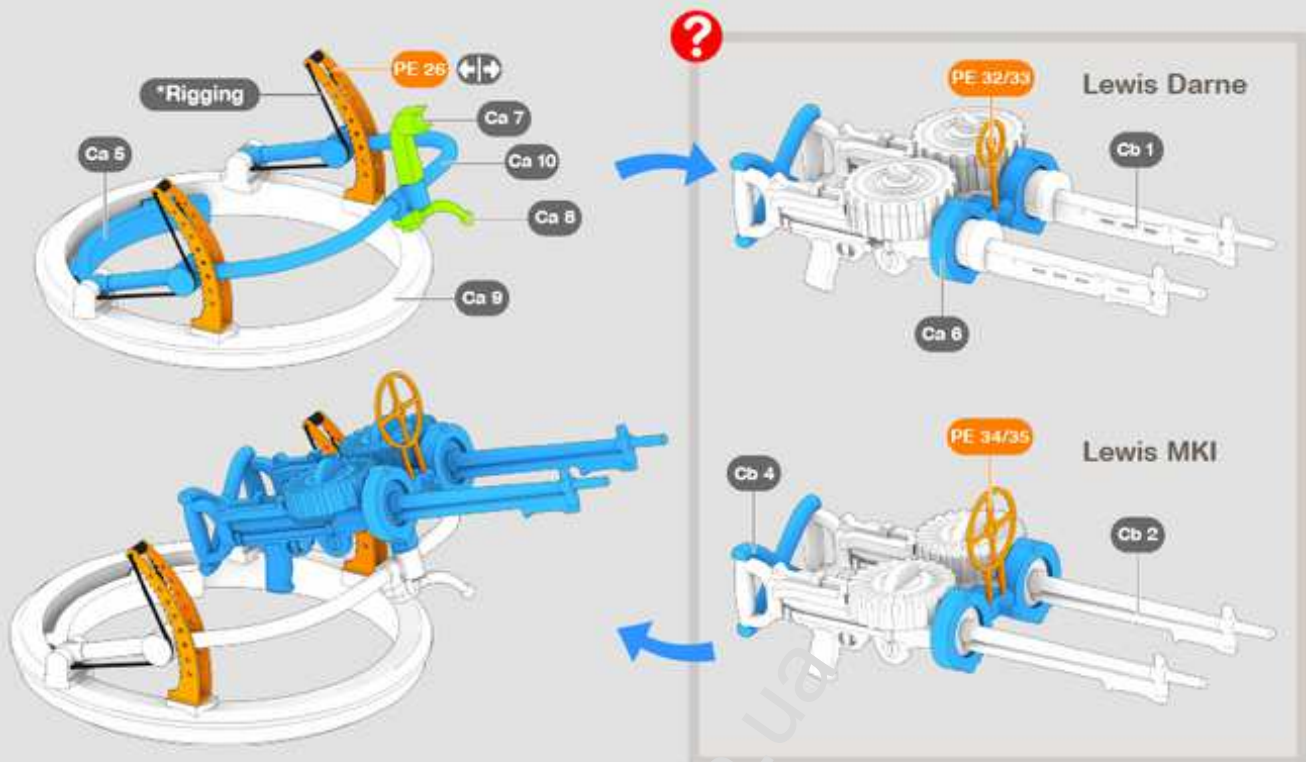
## 18 Rudder and elevator assembly



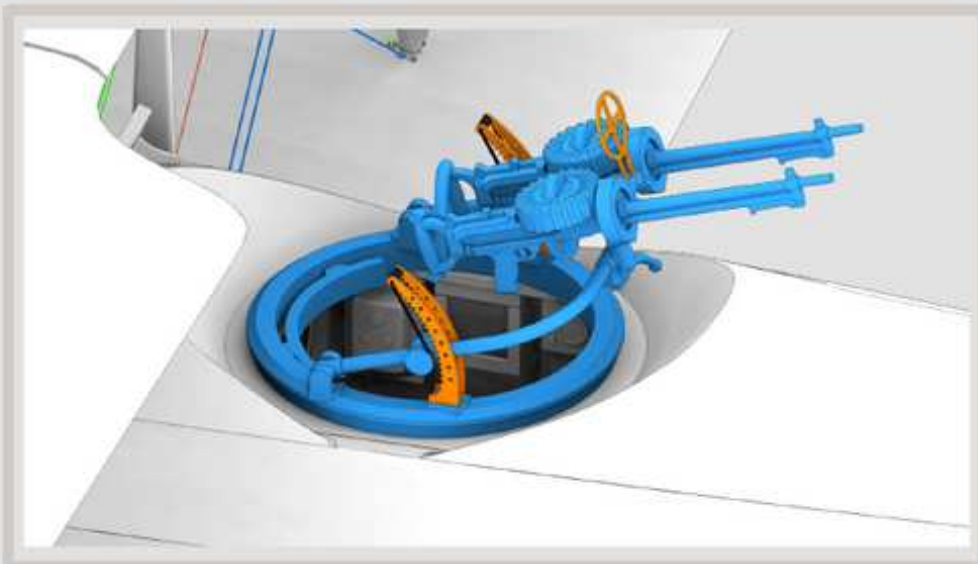
**!** USE PHOTO ETCHED SAW FOR CUTTING SMALL THIN PARTS FROM SPRUE TREE



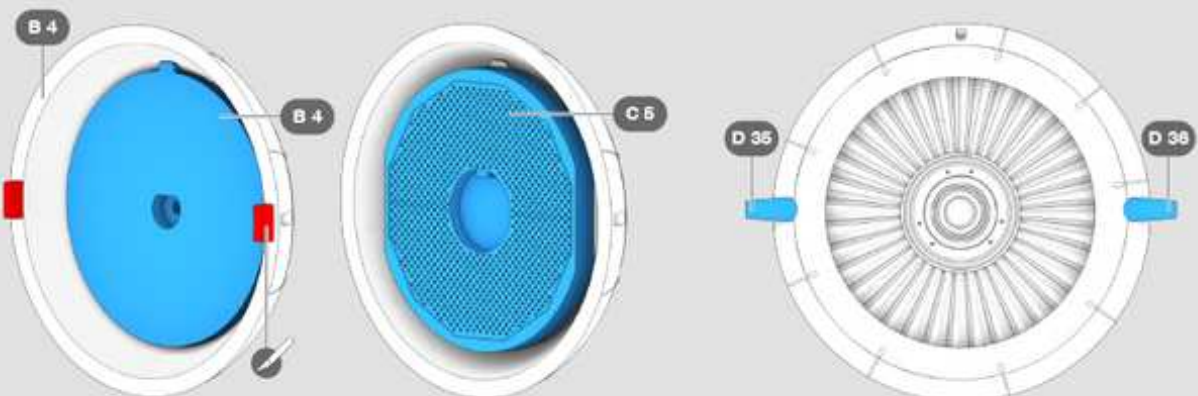
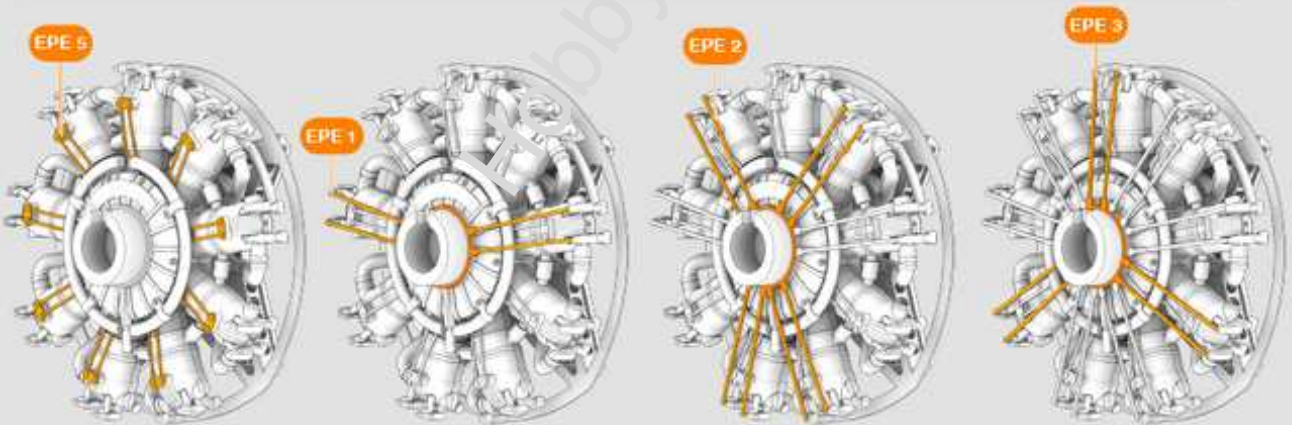
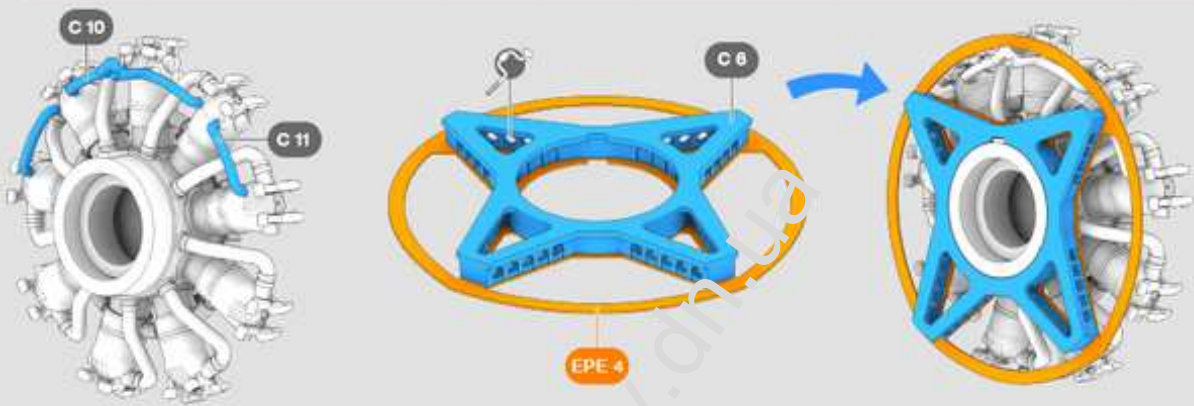
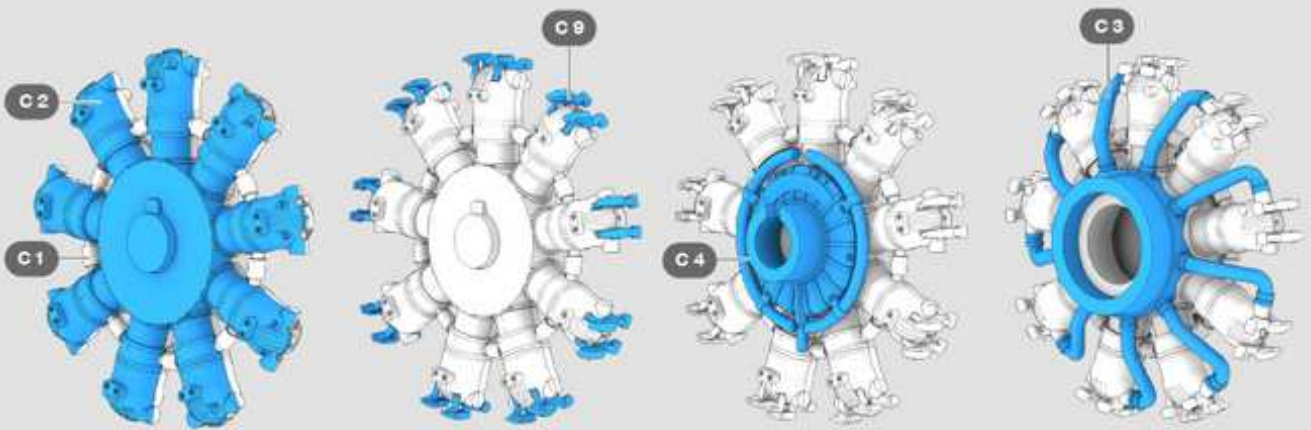
## 19 Scarfring assembly

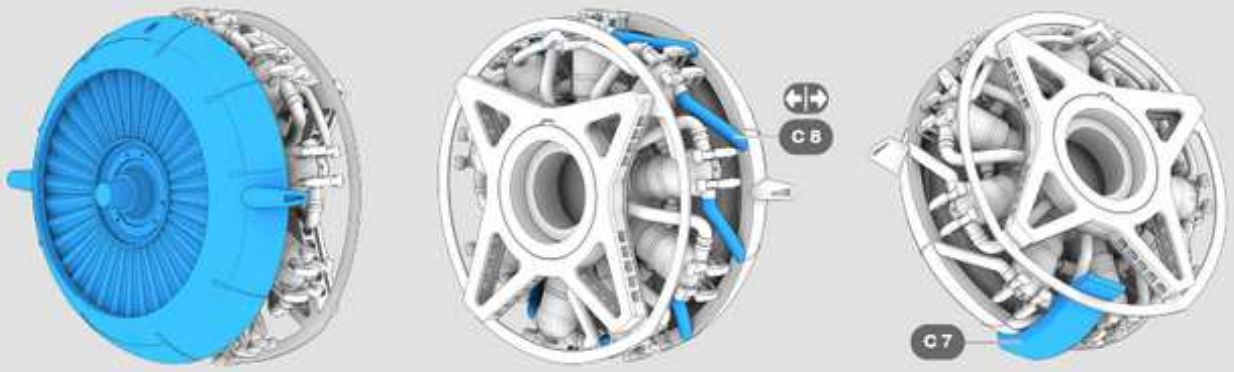


### Camera 26 cm

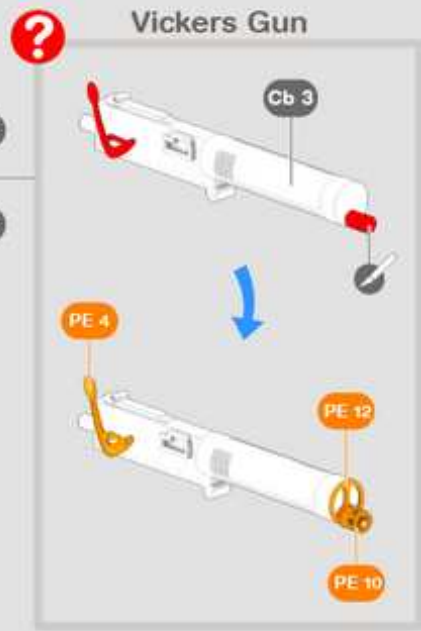
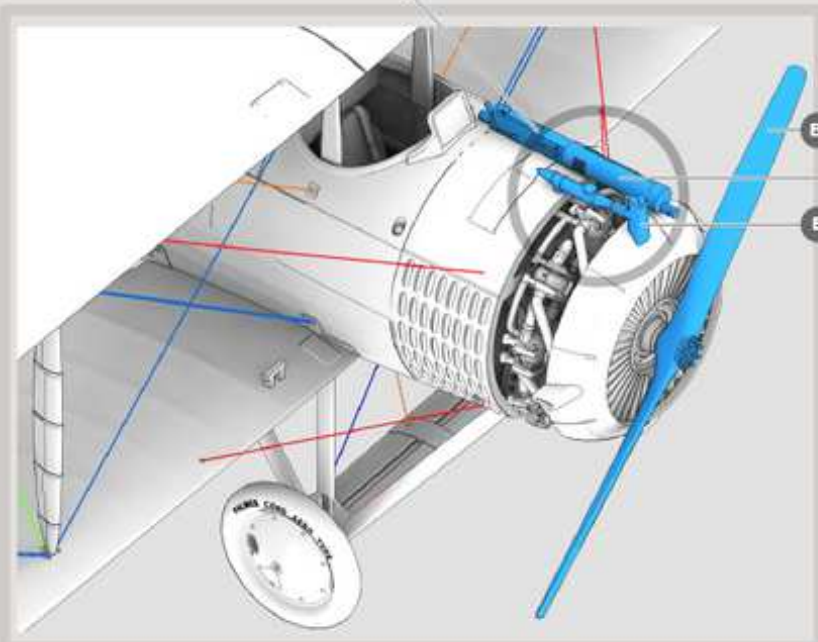
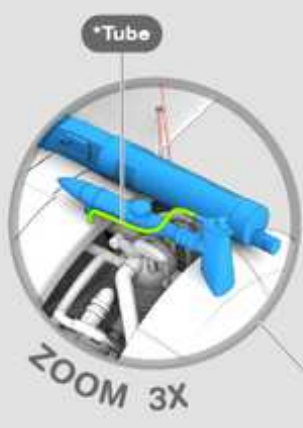
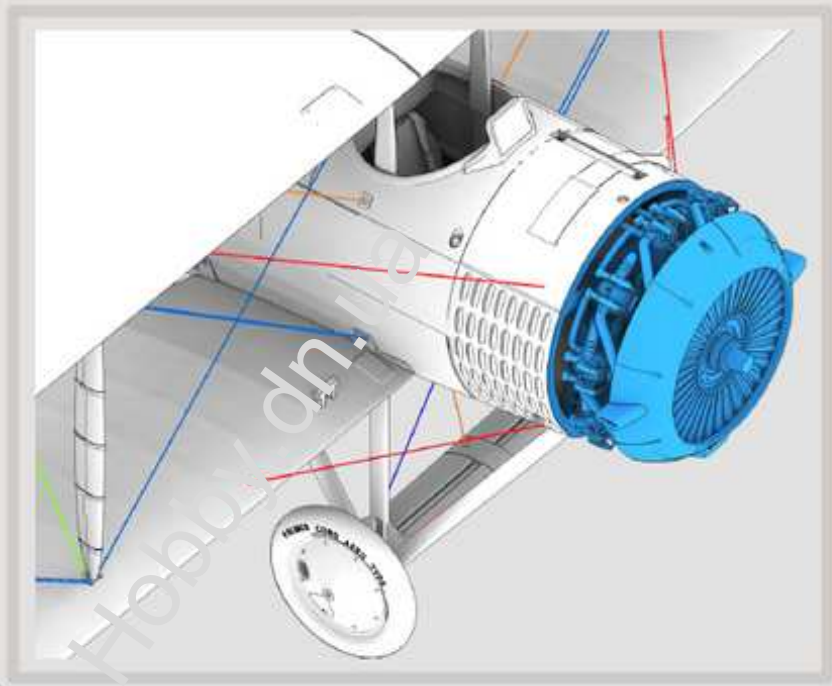


## 20 Engine 9Z assembly





**21 Mount the engine to the main body of the plane**

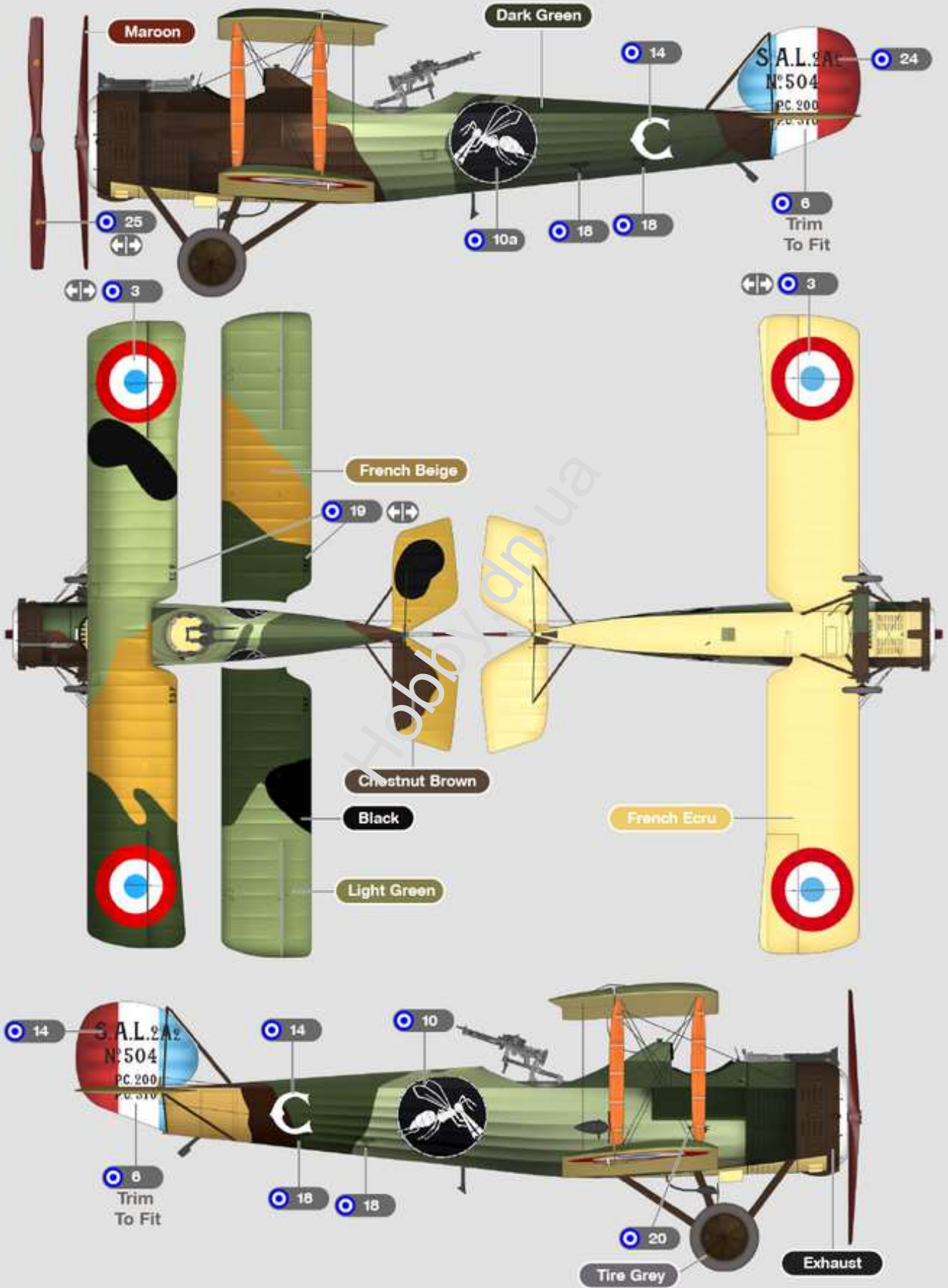




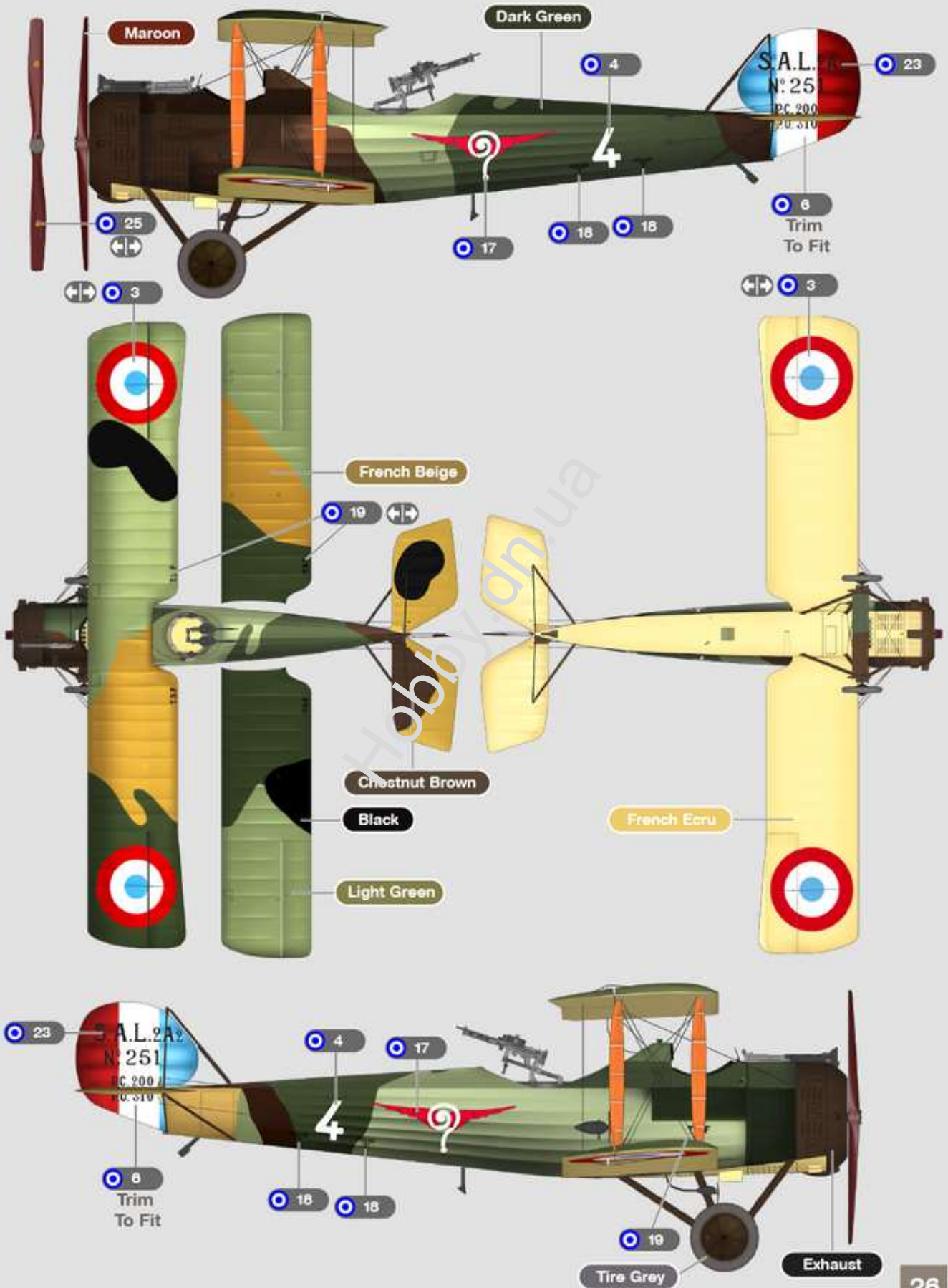
## 22 Engine paint instructions



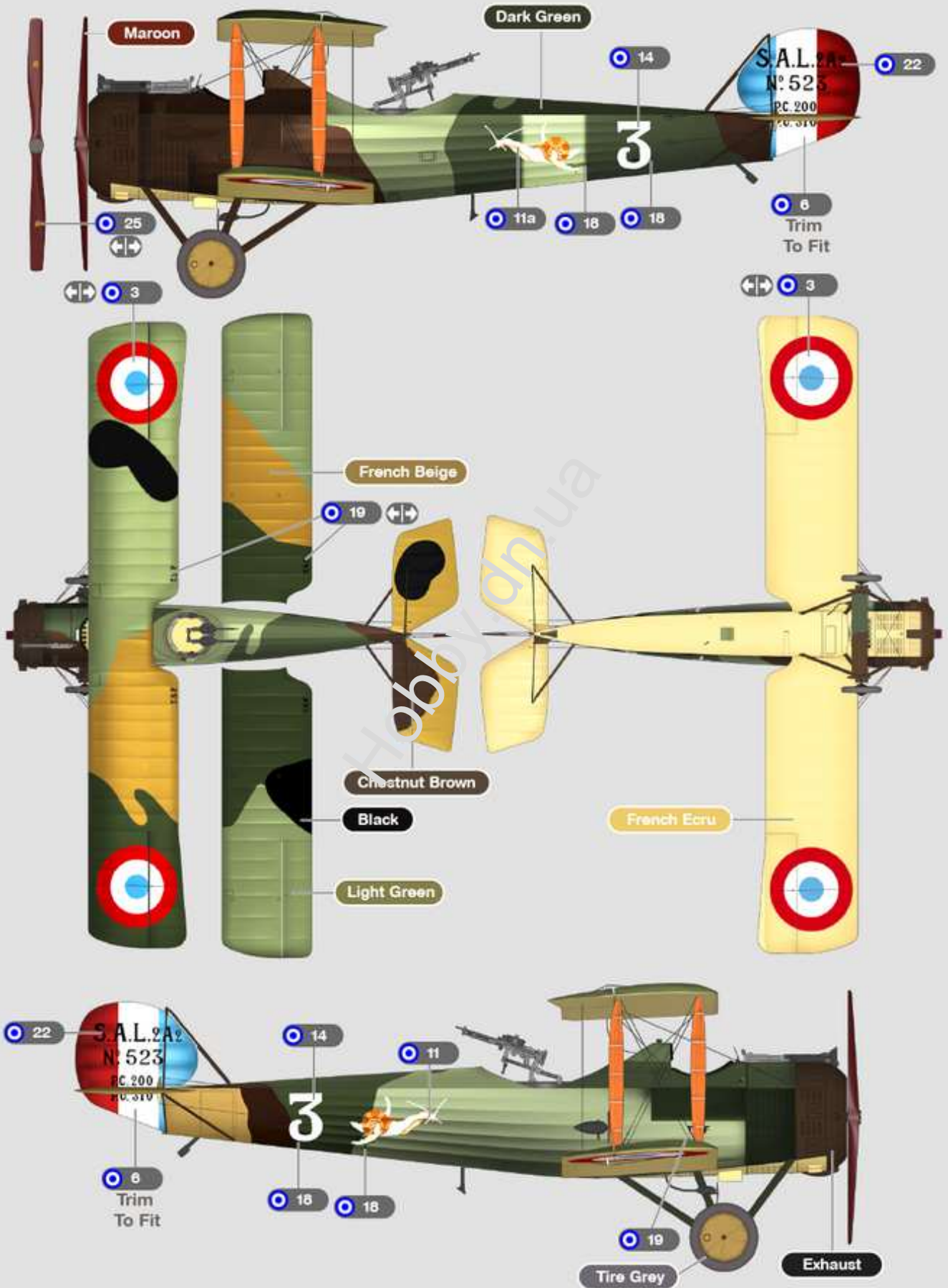
# 23 French Sal 259



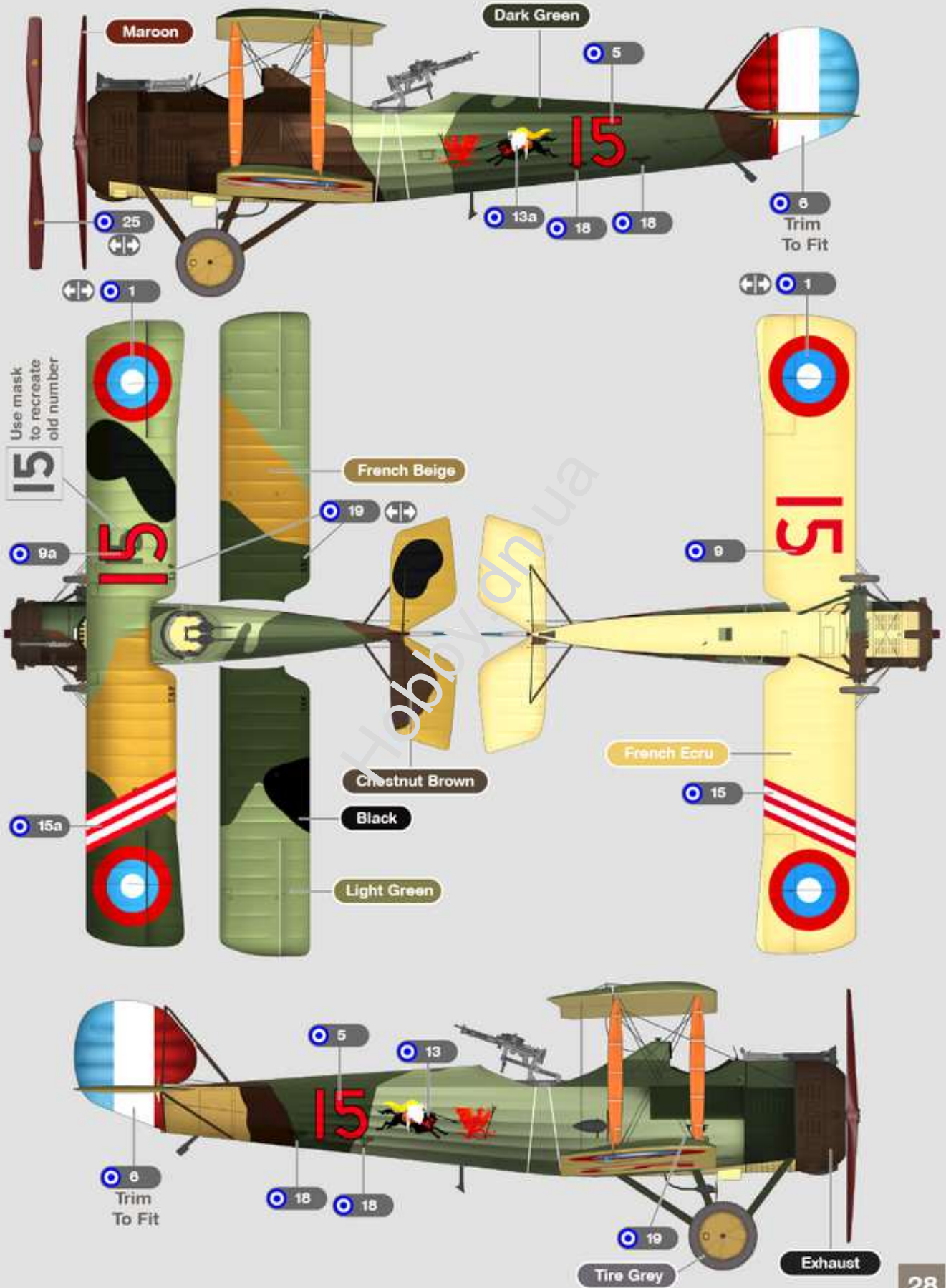
# 24 French Sal 16



25 French Sal 1

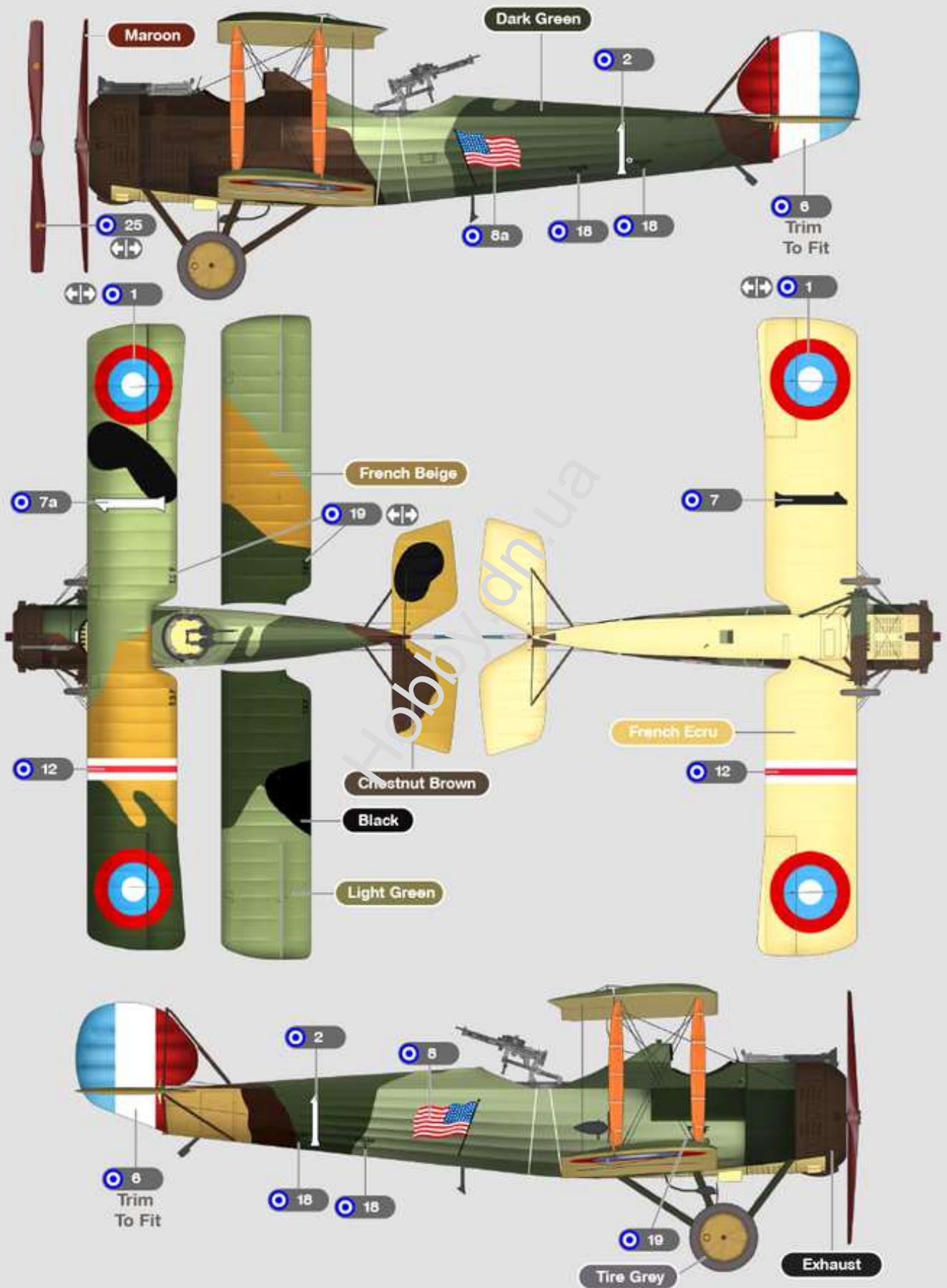


# 26 USAS 91st Aero Squadron

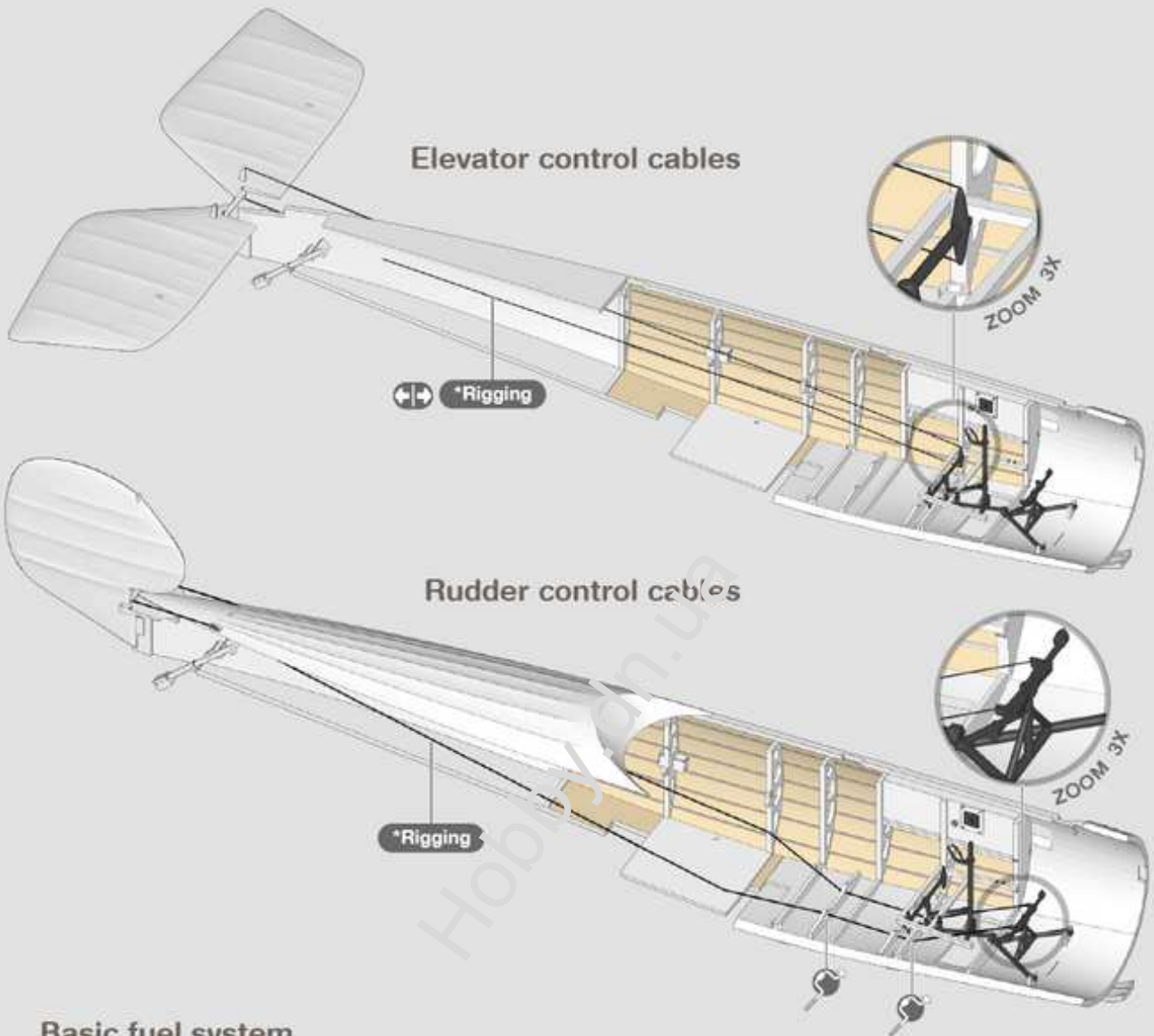


Use mask to recreate old number 15

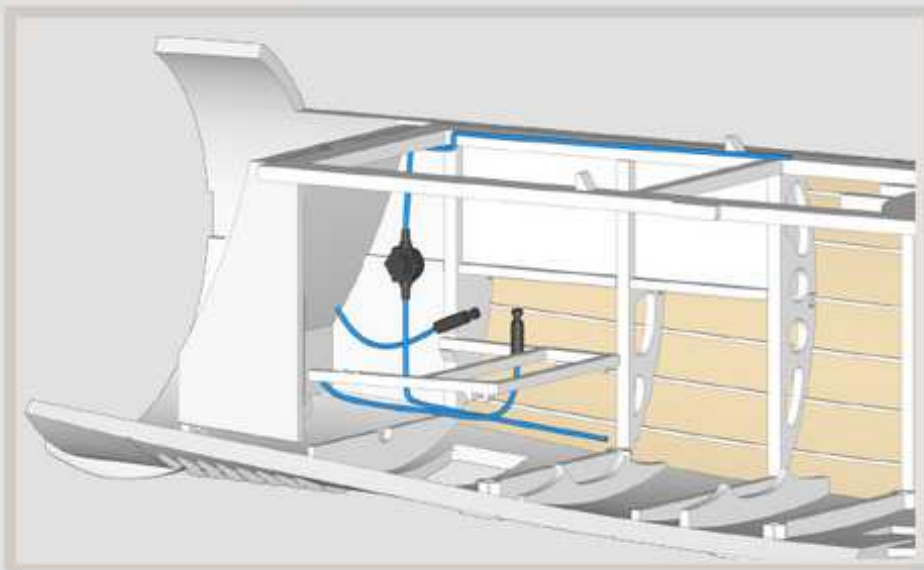
# 27 USAS 1st Aero Squadron



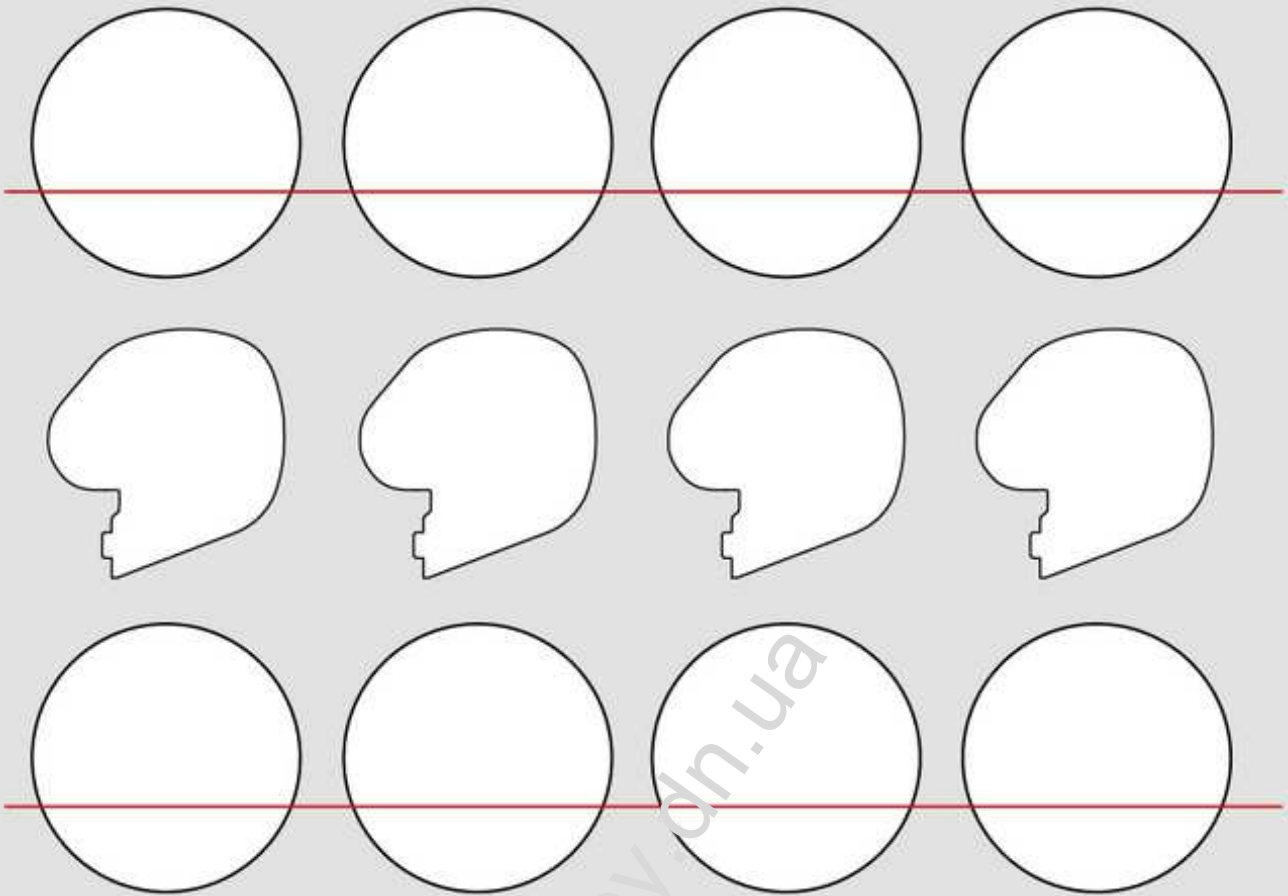
## 28 Control cables



### Basic fuel system



## Decal templates



Use the templates to cut decals. For the rudder leave half millimeter around.

Salmons 2A2 1/48 Late Type



Salmons 2A2 1/48 Mid Type



Salmons 2A2 1/48 Otsu1



Manual is also available for download from [www.gaspachmodels.com](http://www.gaspachmodels.com)