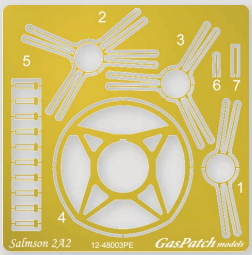
Salmson 2A2 Mid Type

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 whenengines were frequently breaking down, Salmson's products became famous for their reliability.

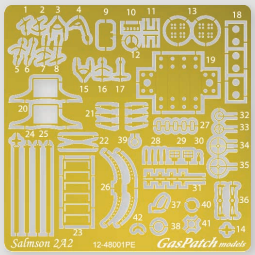
Despite an unsuccessful first attempt at producing an aircraft, the company was commissioned by Armeé de l'Air to produce the reconnaissance aircraft Sopwith 1½ Strutter under license. Meanwhile, they worked on improved aircraftdesigns, and later they proposed to Armeé de l'Air their "Salmson D", with an 130hp Clerget engine. Armeé 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.

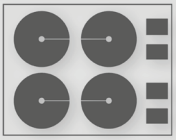


Engine Photo Etched



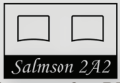
Main Photo Etched

Masks for 91st Squadron



Masks for Wheels and Wingshields

Decal Correction



Acetate for PE Wing shield

Decals

Color Reference

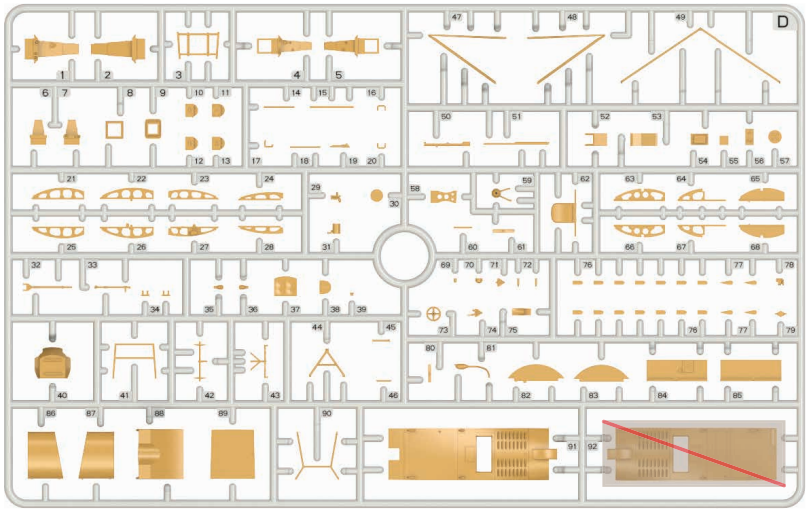
White	White
Black	Black
Aluminum	Aluminum
Wood Color	Wood
Chestnut Brown	Chestnut Brown
Tire Grey	Tire Grey
French Ecru	French Beige
French Beige	French Beige
French Light Green	Light Green
French Dark Green	Dark Green
Gun Metal	Gun Metal
Dull Red	Dull Red
Maroon	Maroon
Natural Metal	Natural Metal
French Linen	French Linen
Exhaust	Exhaust

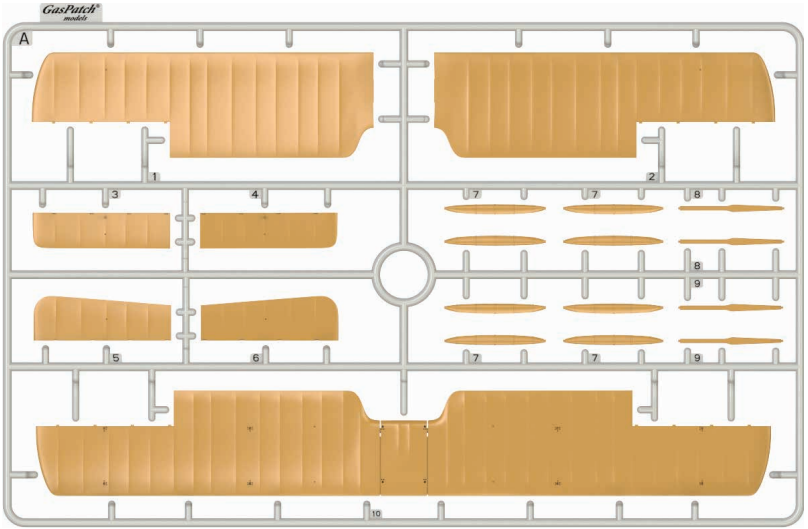
Symbols Reference

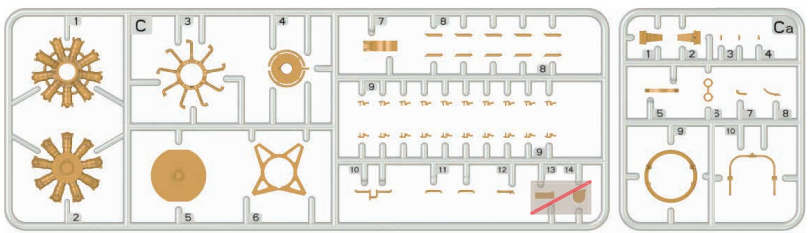
- Attention
- A1 Part Number
- PE 1 Main Photo Etched
- EPE 1 Engine Photo Etched
- Symmetry
- Glue
- No Glue
- Paint
- No Paint
- Color
- Cut/Remove
- Hole
- Option
- Bend
- Saw
- Smooth
- Mask
- 1 Apply Decal
- Not for use

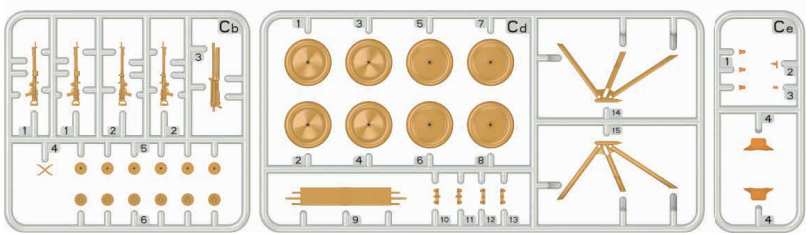
Tips and tricks

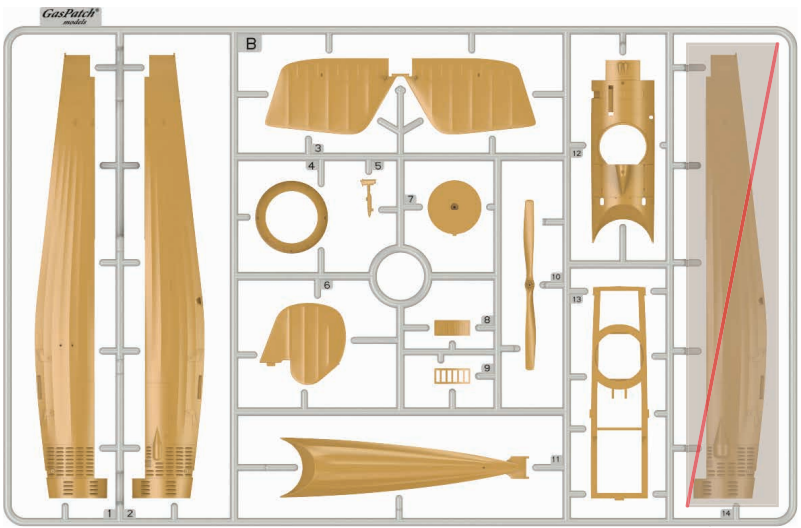
- STUDY INSTRUCTIONS CAREFULLY.
- USE PHOTO ETCHED SAW FOR CUTTING SMALL THIN PARTS FROM SPRUE TREE.
- DECALS NEED ONLY 4-5´´SEC IN WATER. USE DECAL SETTING SOLUTION.
- USE CA (CYANOACRYLATE) OR WHITE GLUE FOR DIFFERENT MATERIALS.
- TAKE BASIC SAFETY PRECAUTIONS.


D


GasPatch models
A


C
Ca

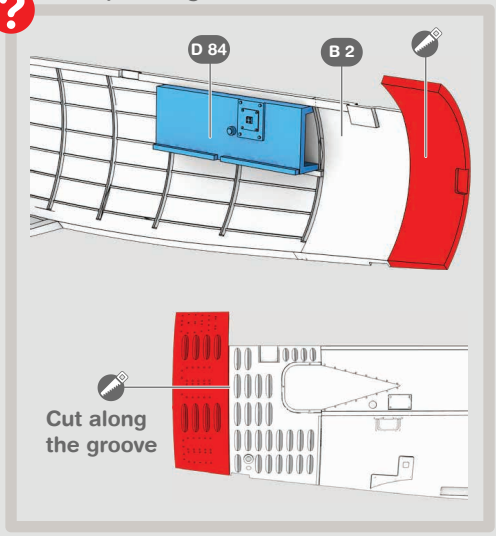

Cb
Cd
Ce

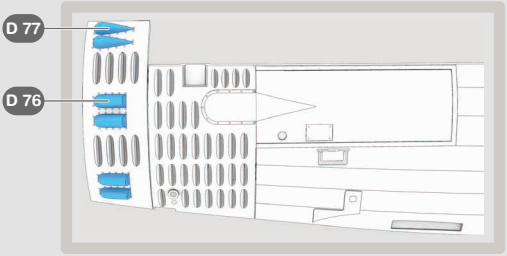

GasPatch models
B

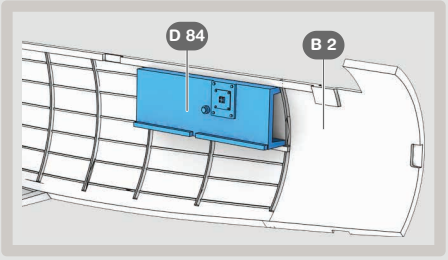
1 Building and painting interior (Left side)

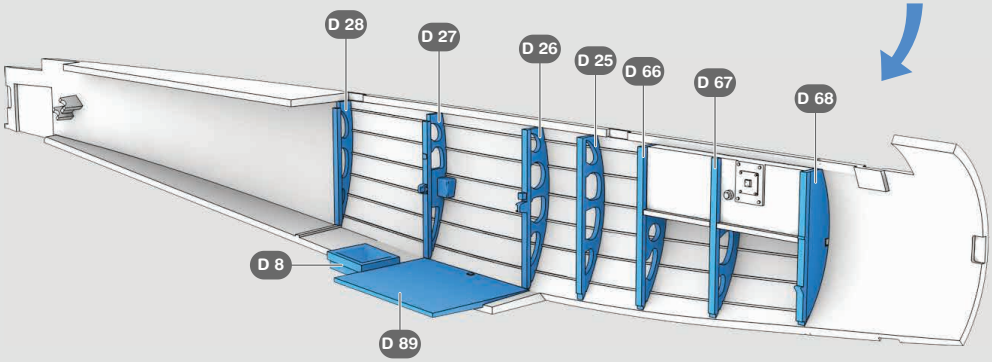
Left side painting instructions

For open engine





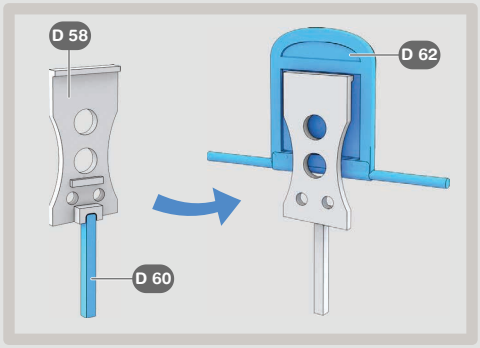


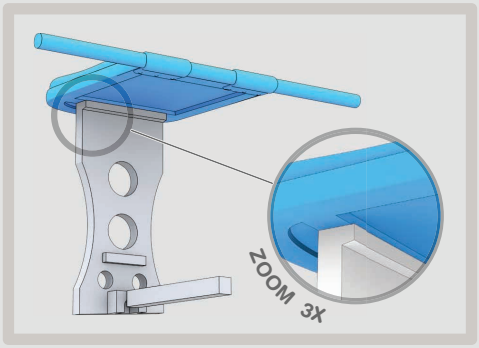


*Rigging is not included

2 Adding details to interior (Left side)

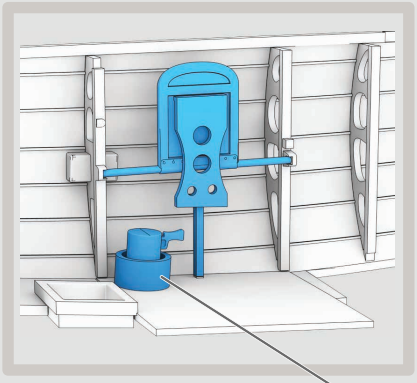
Observer/Gunner seat

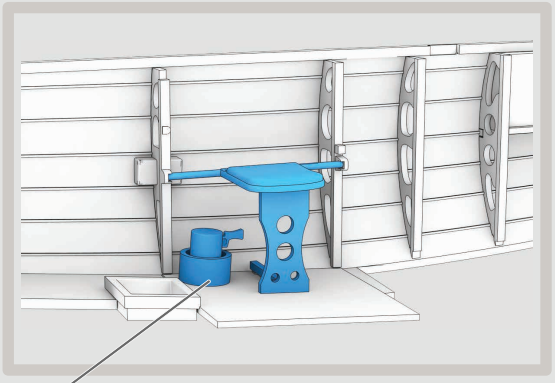


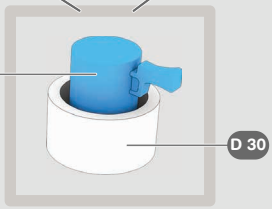


Folded seat

Unfolded seat

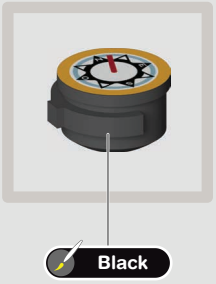


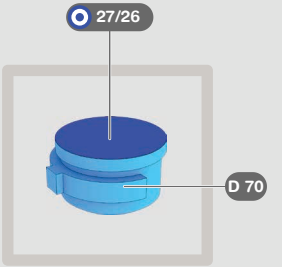




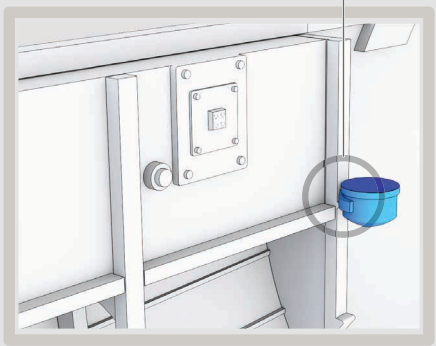
Signal lamp & holder

Compass





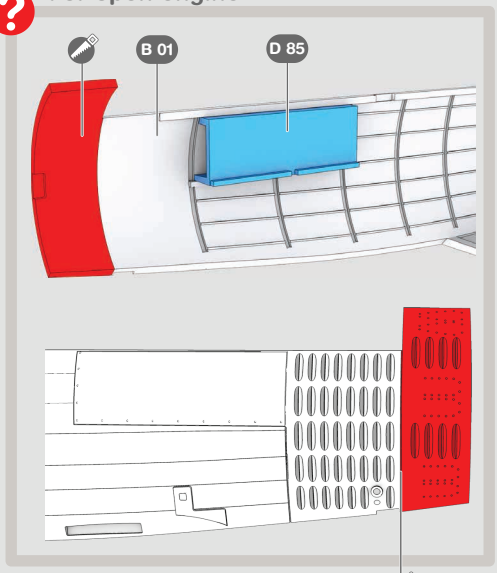
Compass

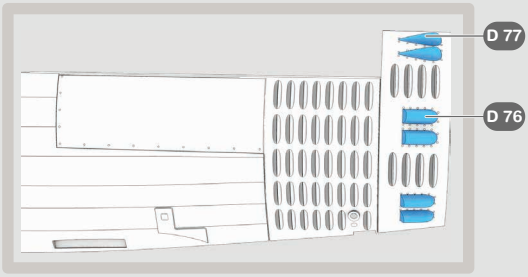


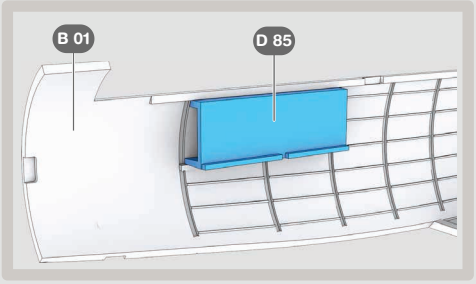
3 Building and painting interior (Right side)

Right side painting instructions

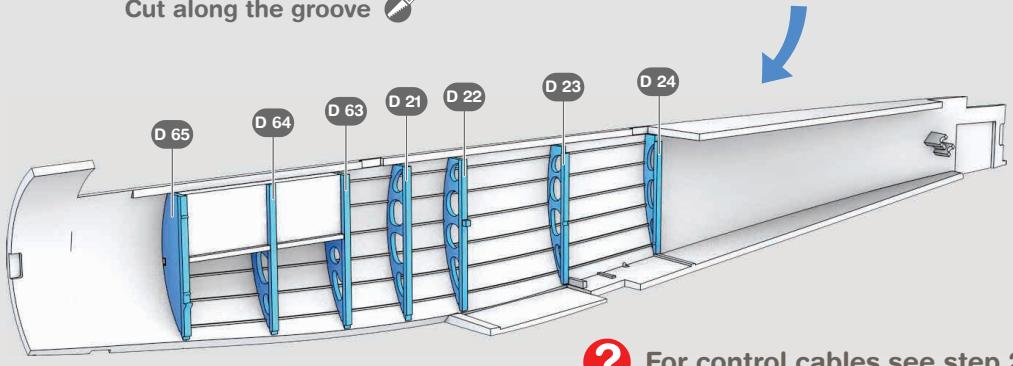
For open engine





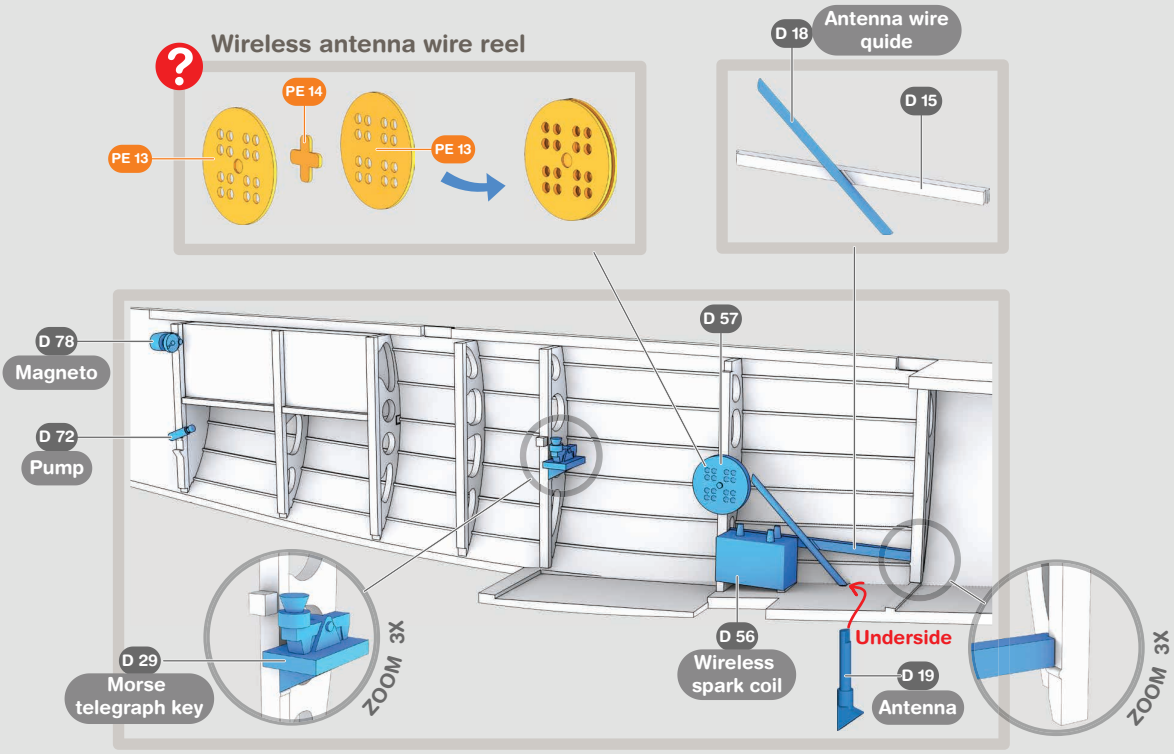


Cut along the groove

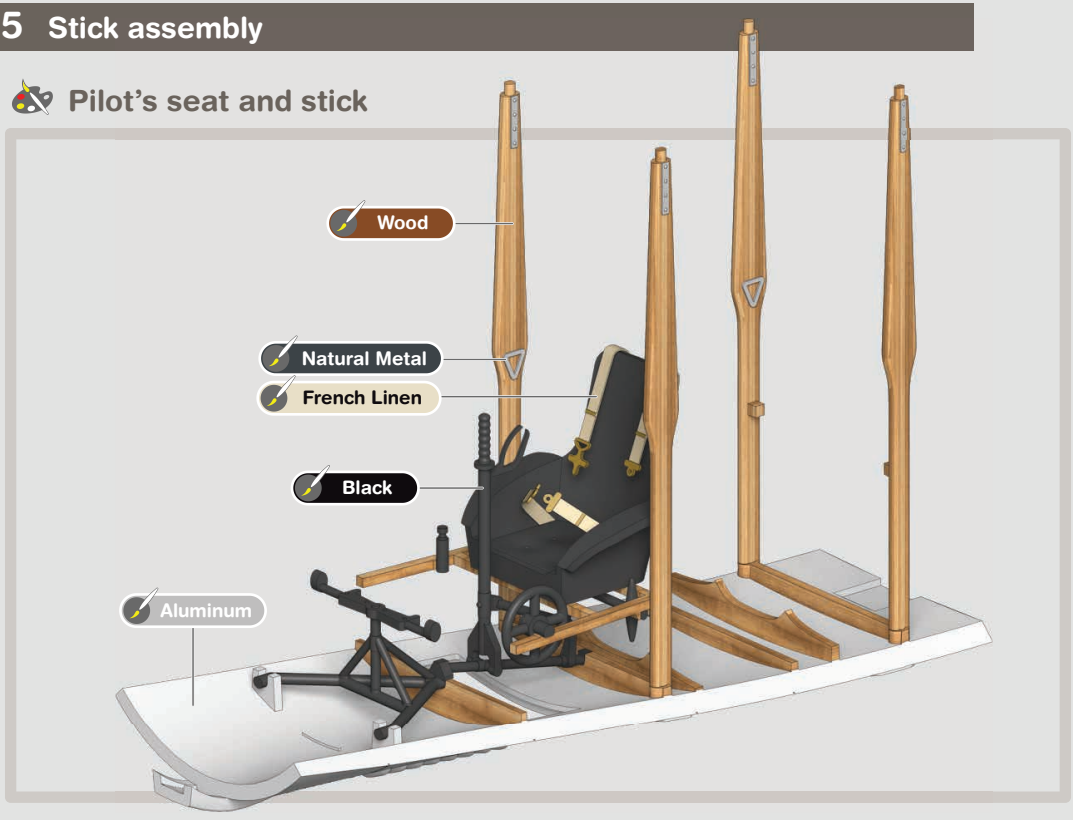


For control cables see step 27

4 Adding details to interior (Right side)



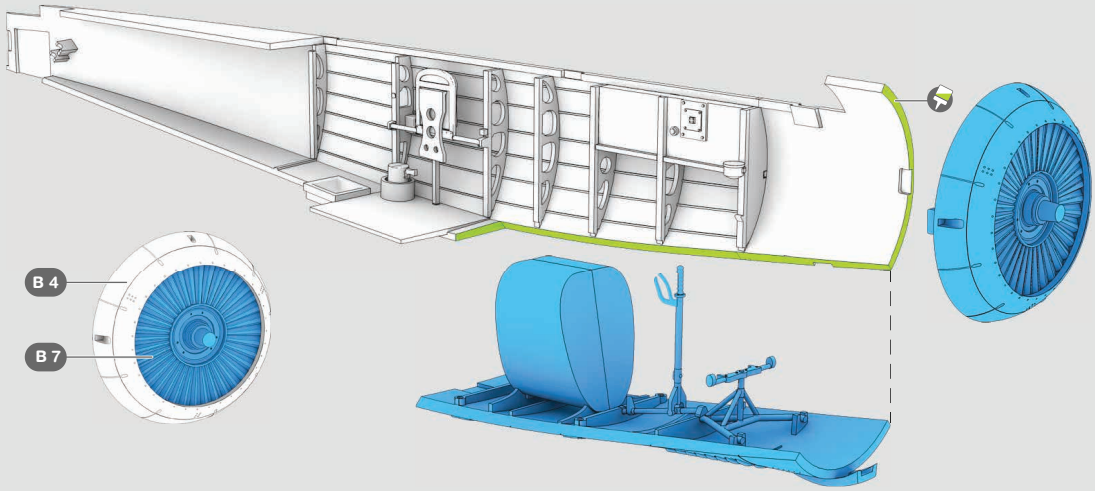
5 Stick assembly

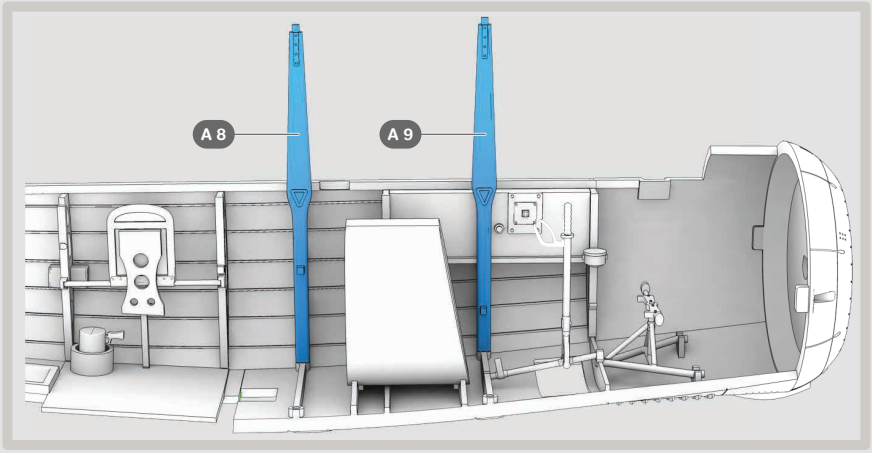


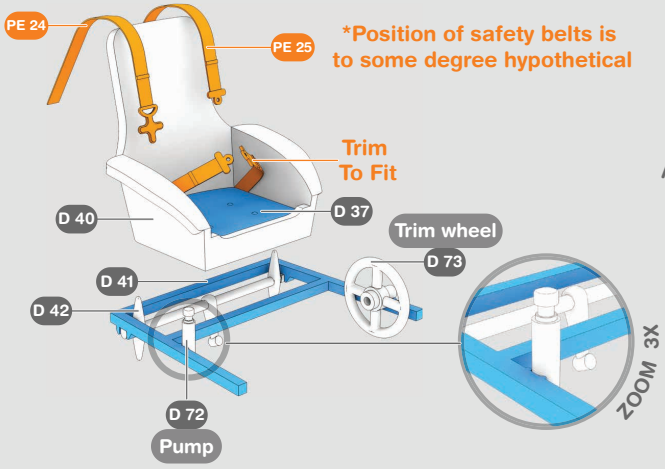

For open engine
D 76
Cut along the groove
D 91
Late type
Mid type
D 91
D 44
D 33
D 43
D 46
PE 36
Trim
To Fit
D 86
D 87
PE 37
D 32

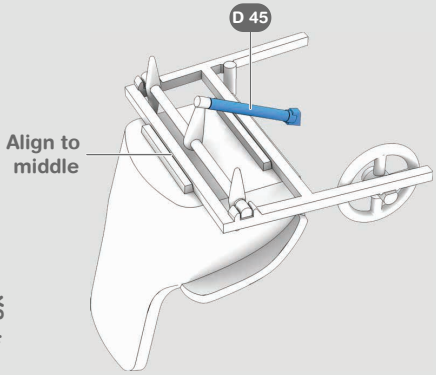
6 Pilot's seat assembly

For open engine see step 20

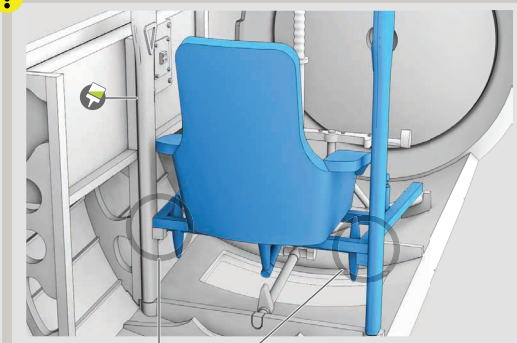






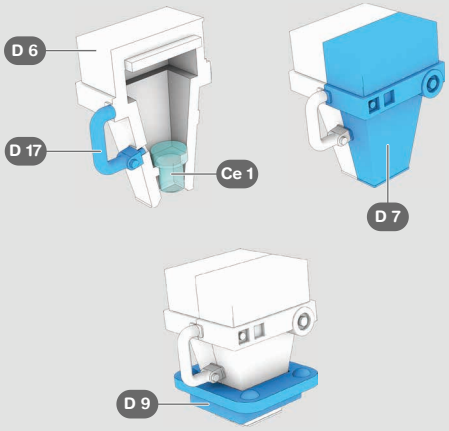


Pilot's seat attachment points

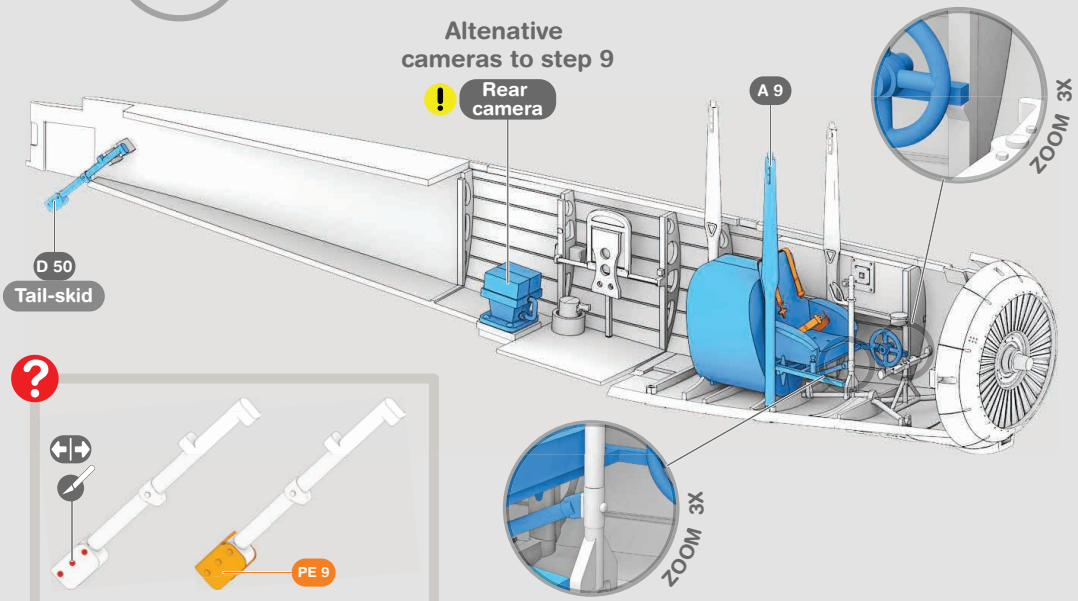


Rear attachment points

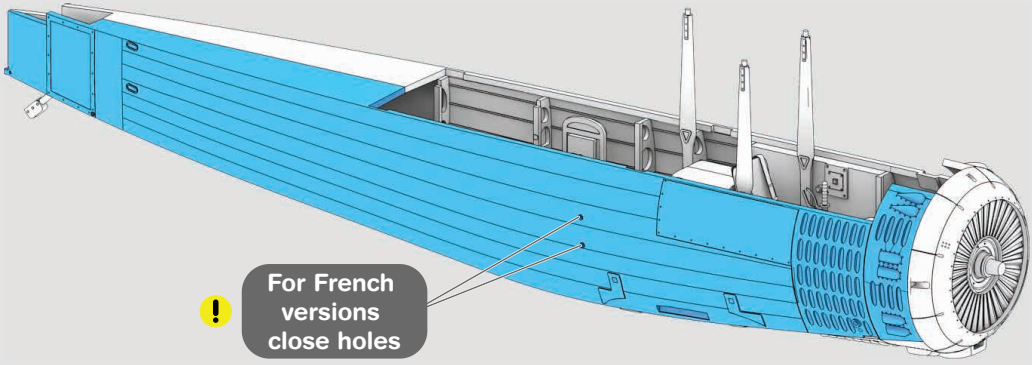
Camera 26mm rear attachment



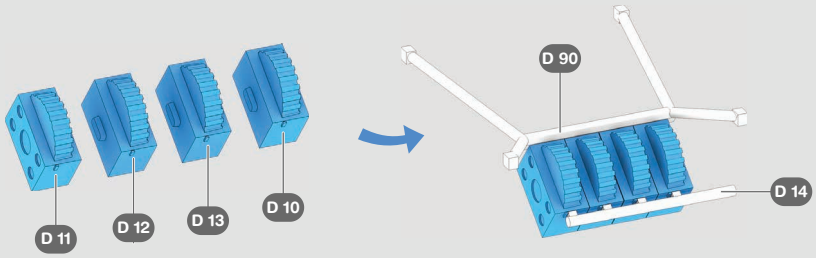
Altenative cameras to step 9

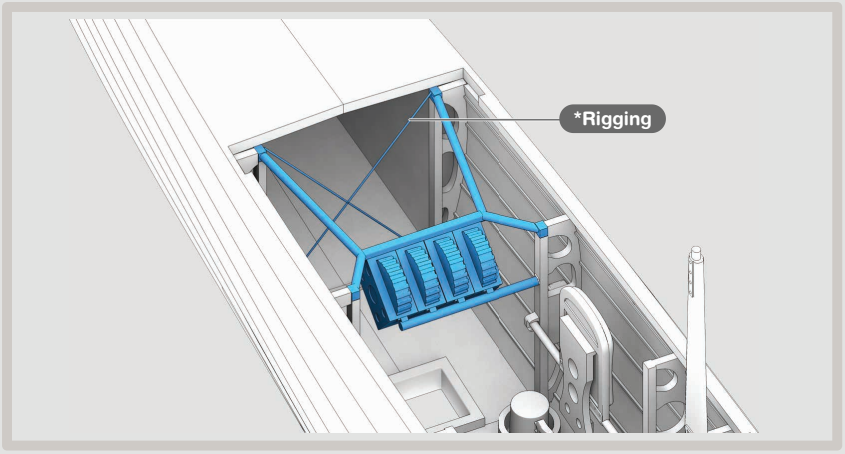


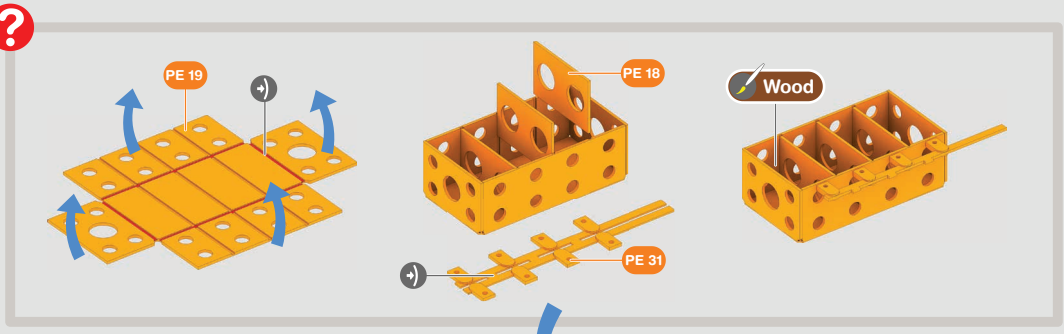
7 Connect fuselage

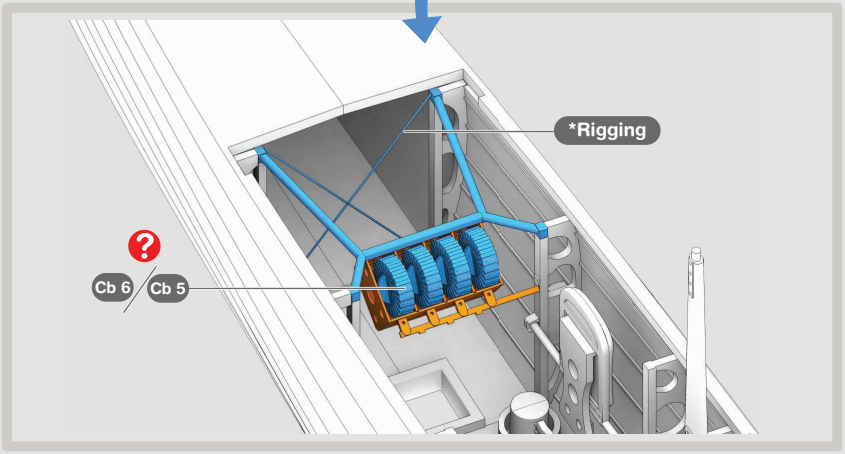


8 Ammo storage rack



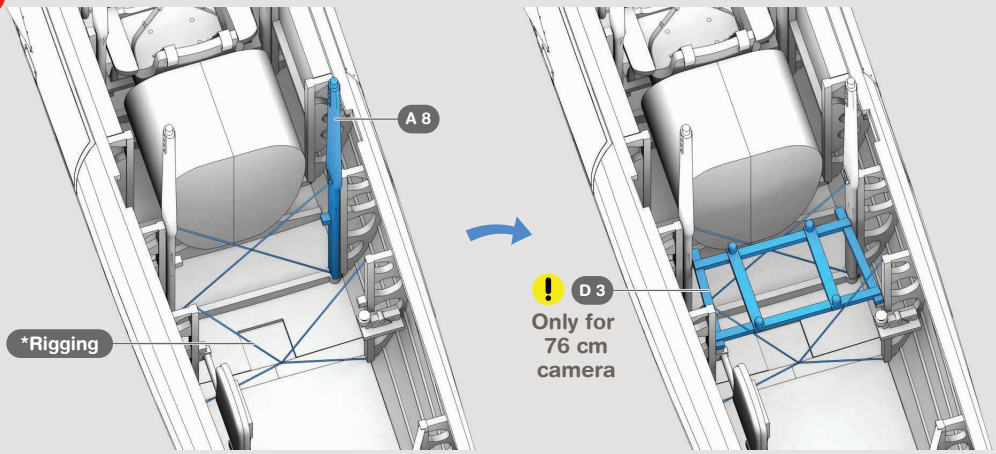


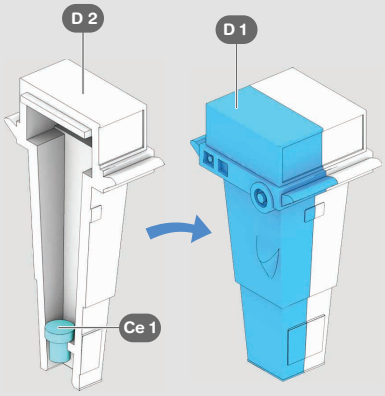


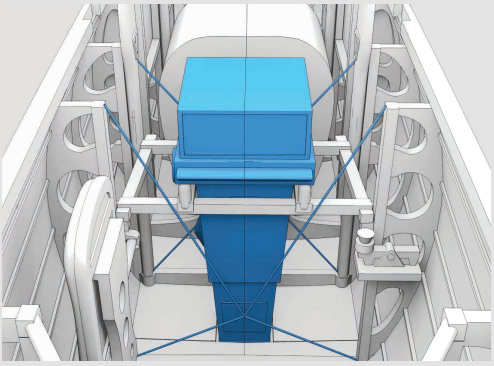


9 Adding alternative cameras

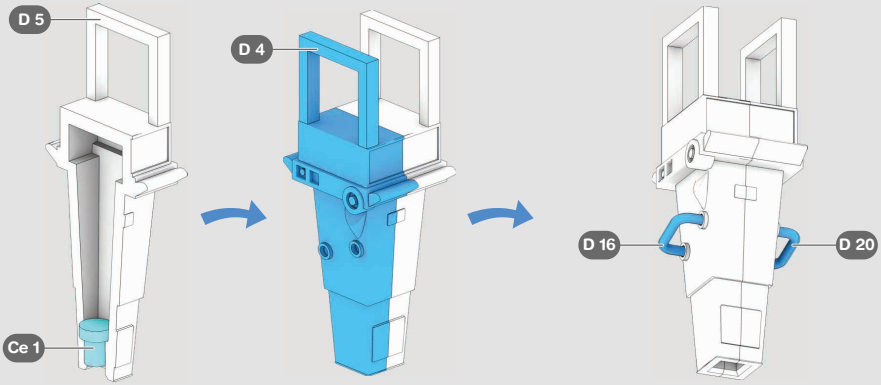
76 cm camera



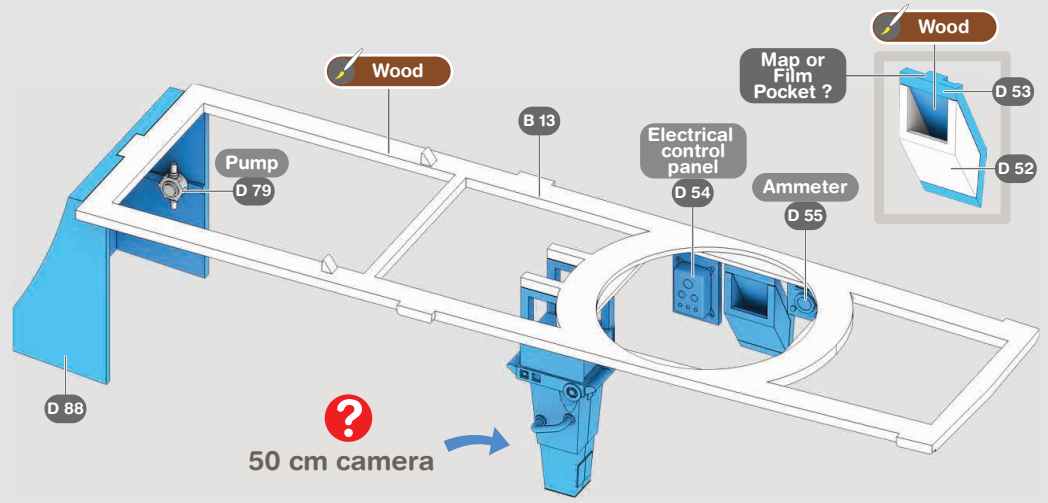


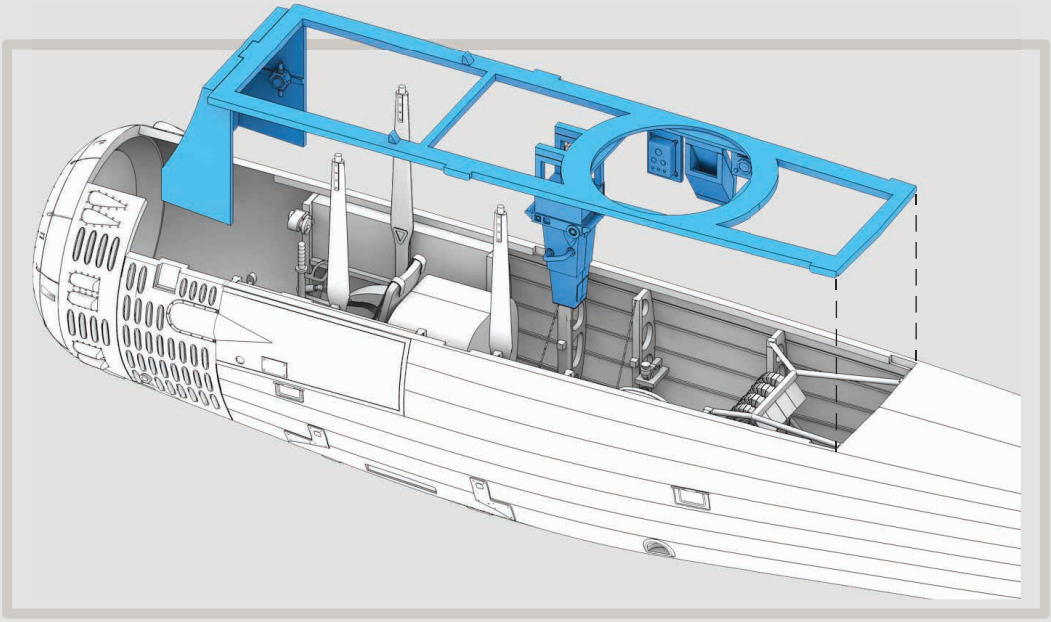


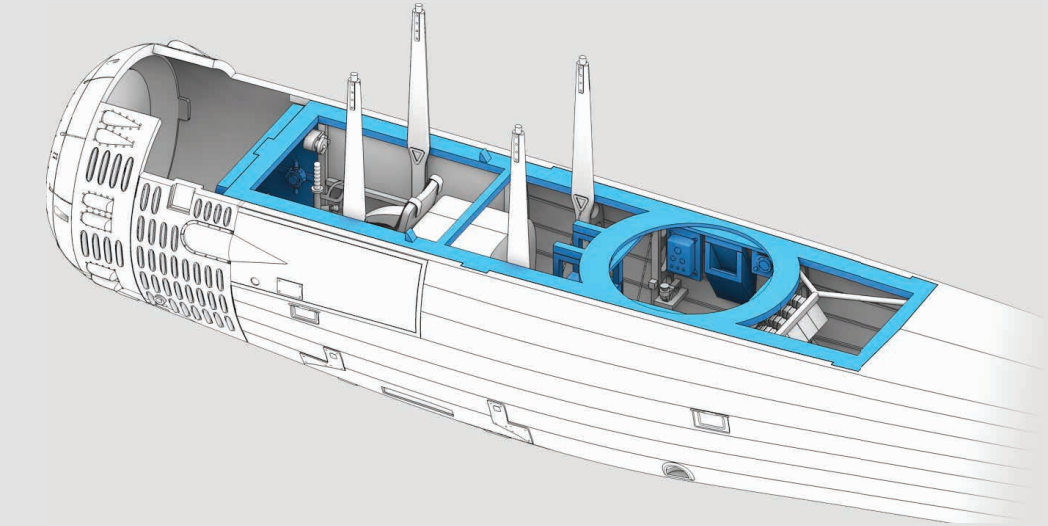
50 cm camera



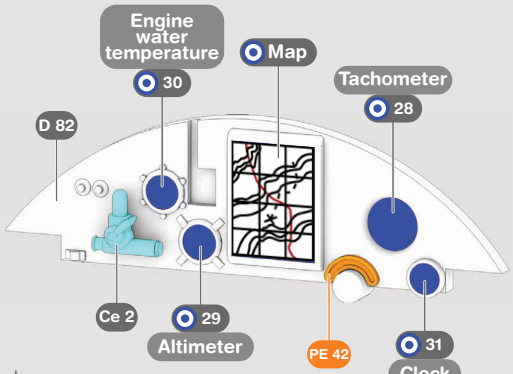
Cameras may have different colors like light grey or light green.


Wood
Wood
Map or Film Pocket ?
D 53
D 52
B 13
Electrical control panel
D 54
Ammeter
D 55
Pump
D 79
D 88
50 cm camera

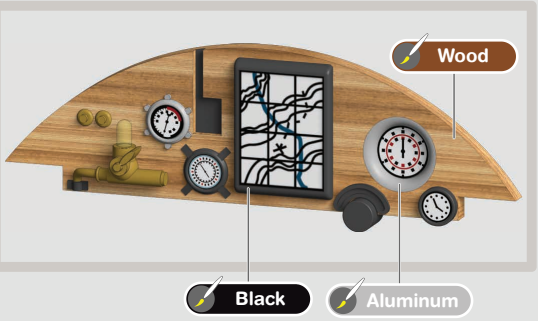


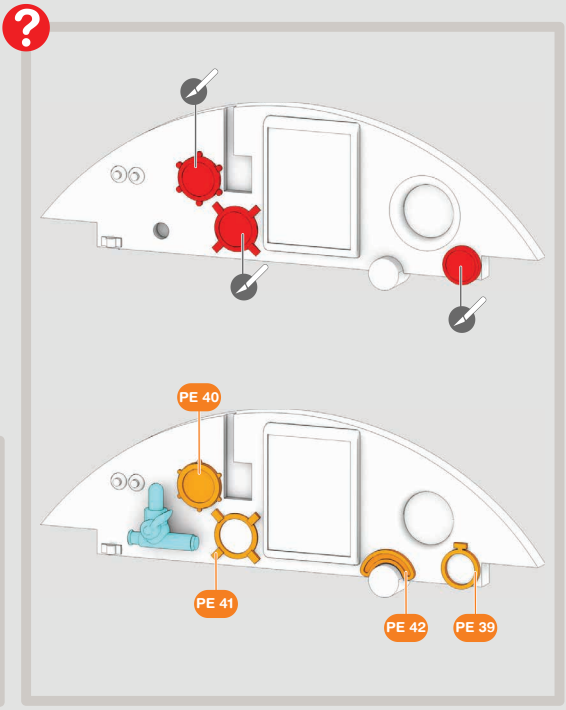


10 Cockpit

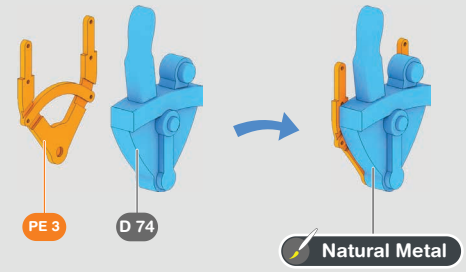


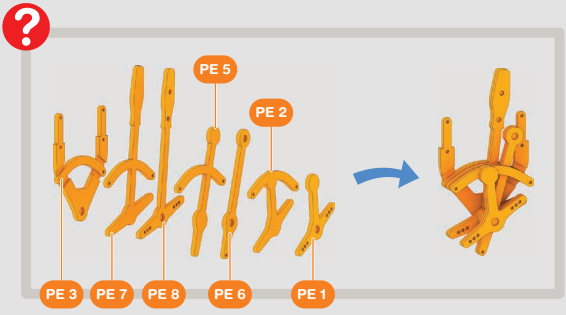
Cockpit

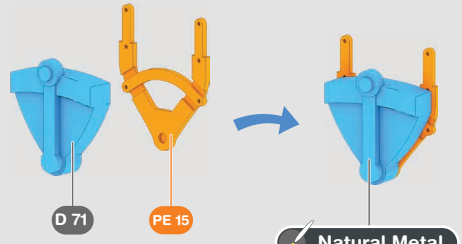


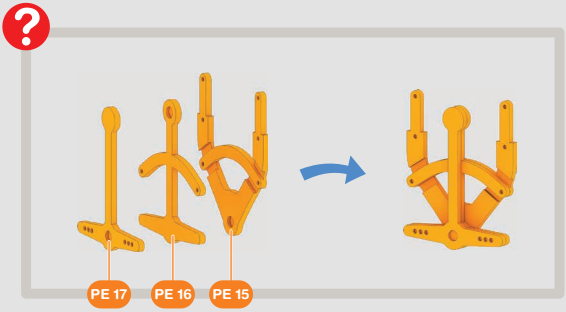


11 Cockpit engine controls

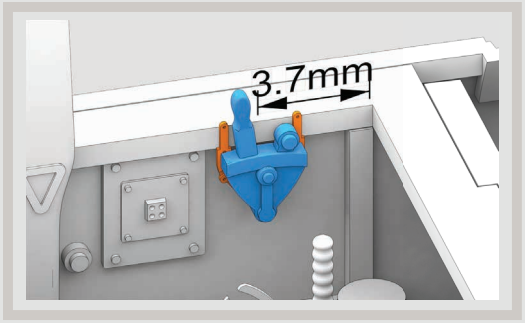




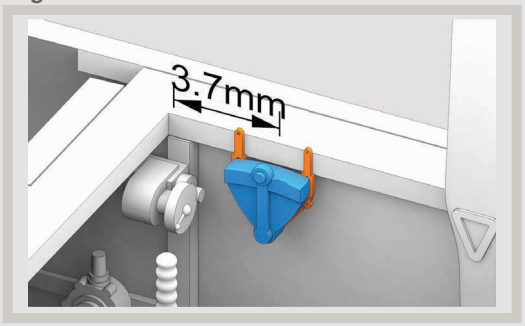


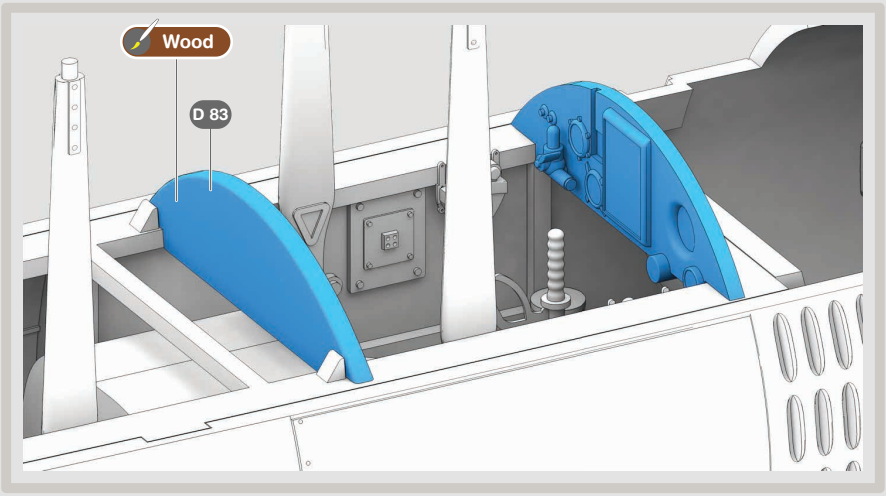


Left side



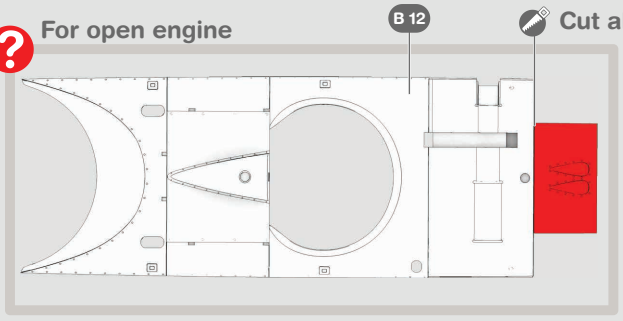
Right side

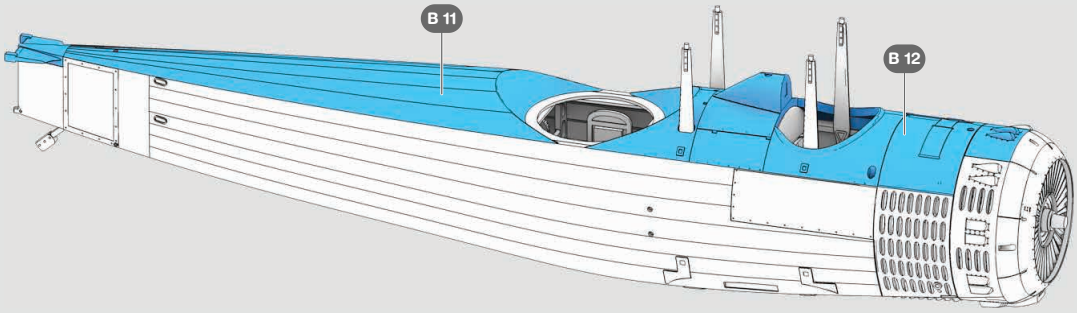




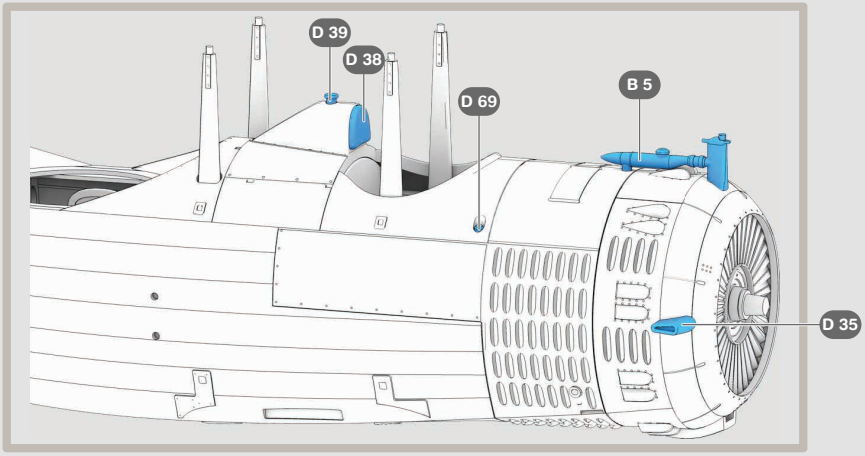
12 Closing fuselage

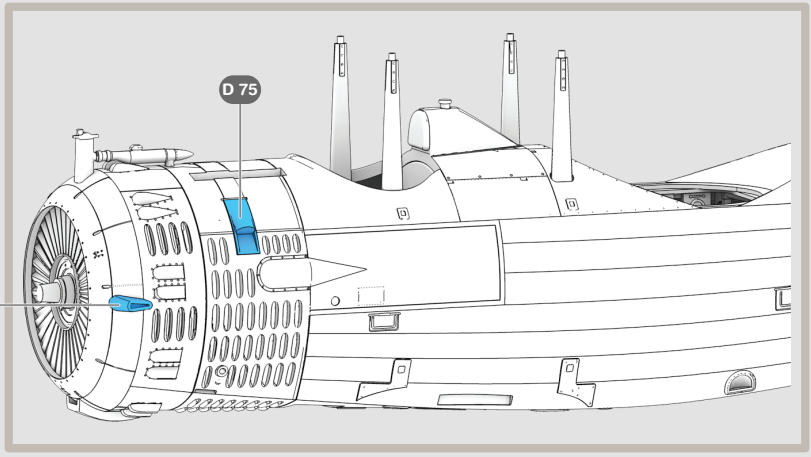
For open engine



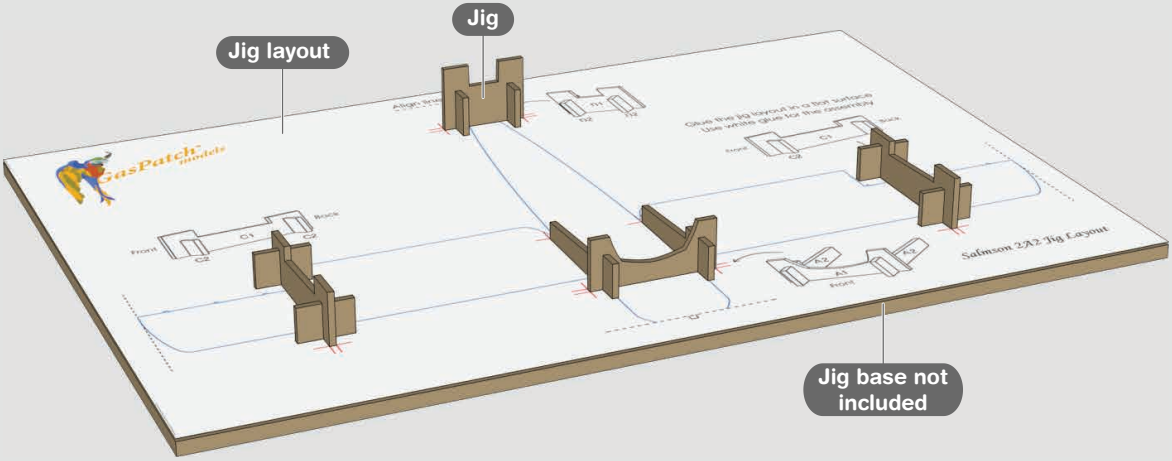


13 Adding exterior detail

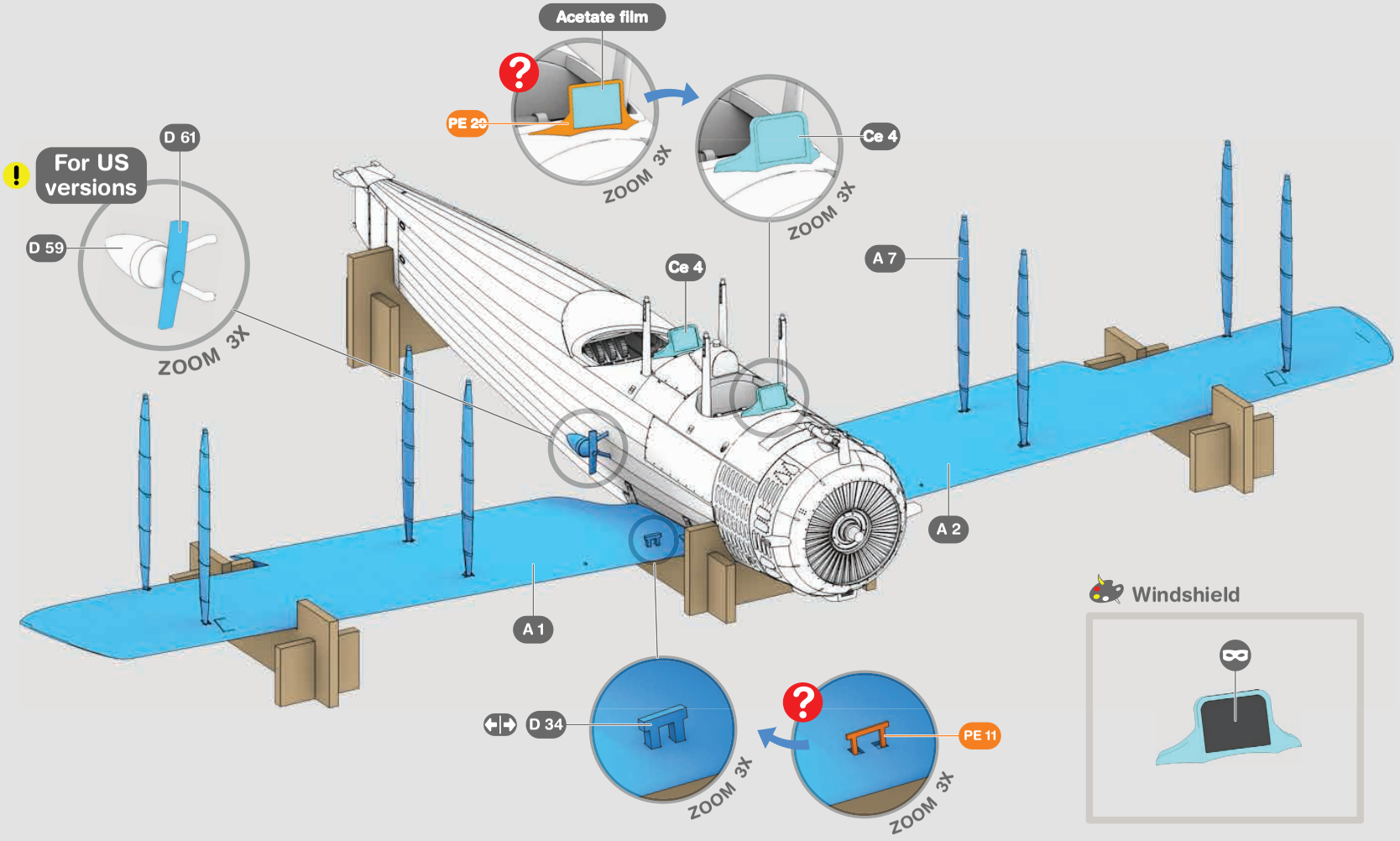




14 Jig assembly

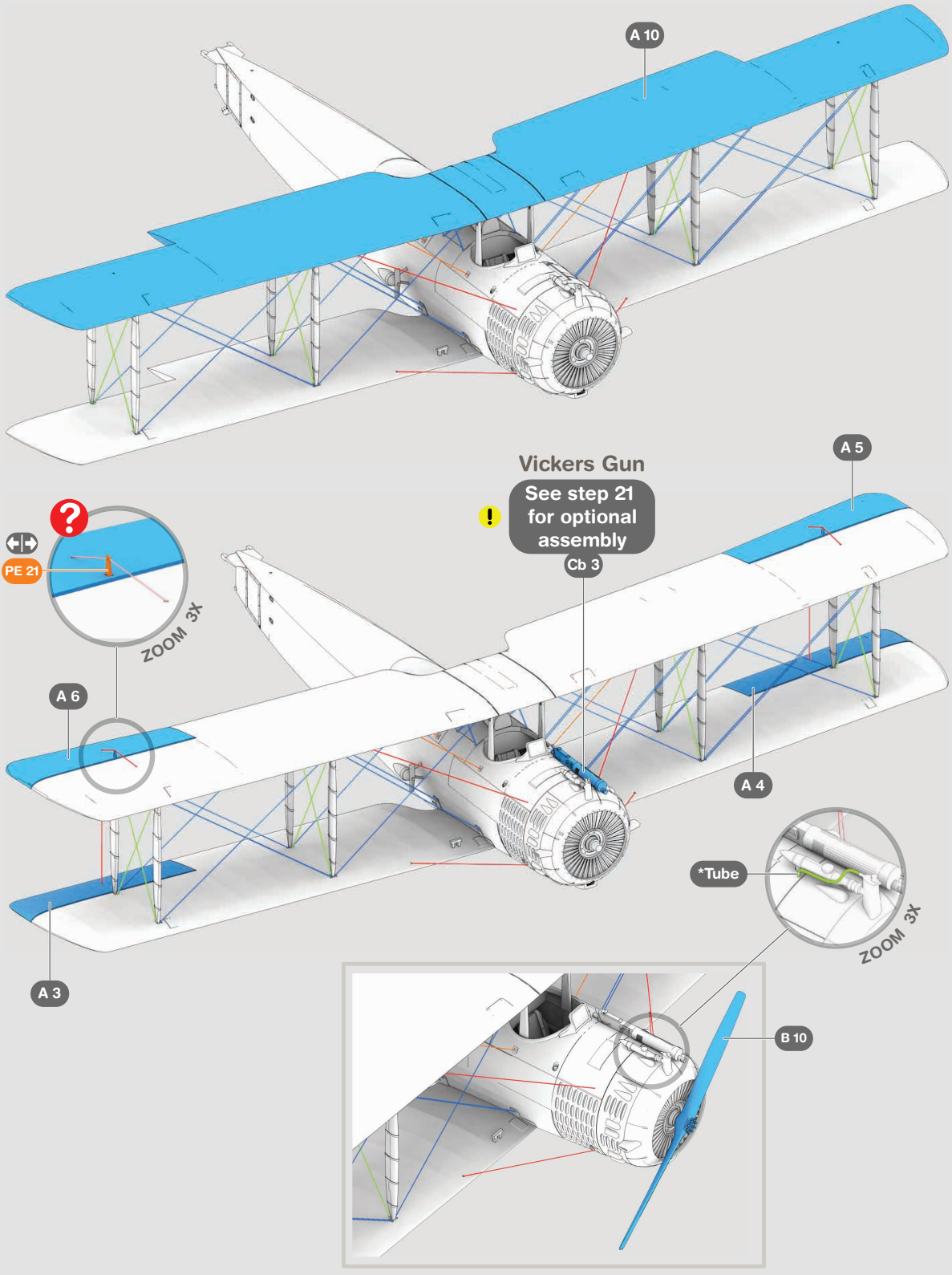


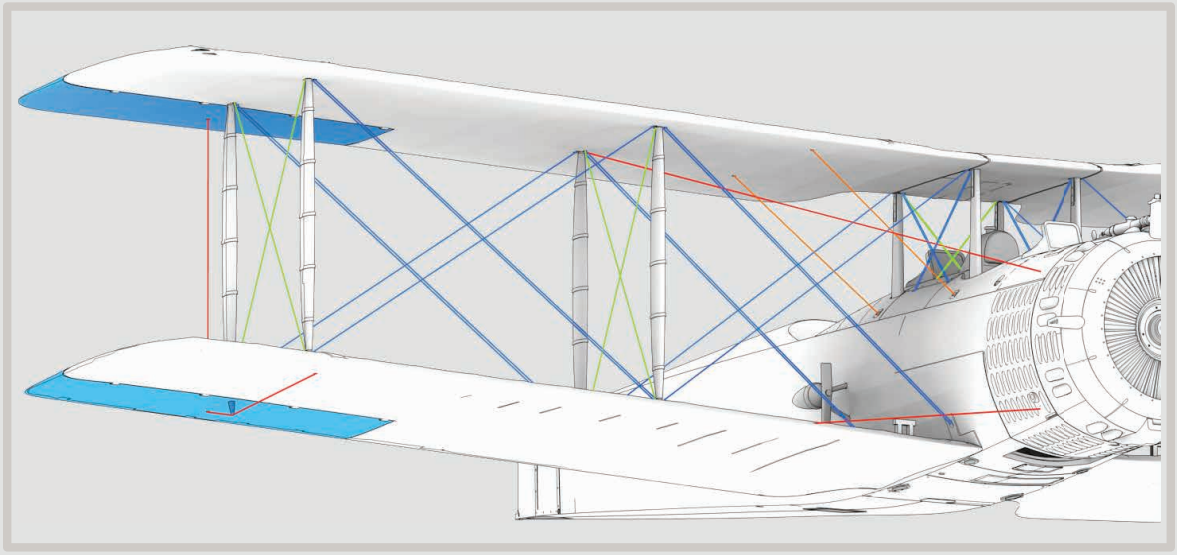
15 Adding lower wings

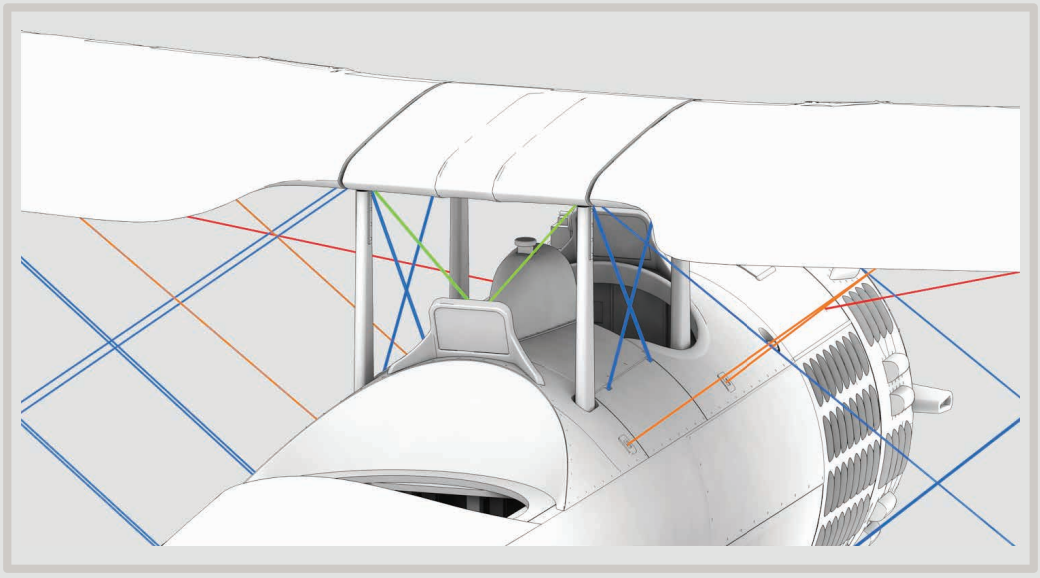


Windshield

16 Adding upper wing, aileron and *Rigging

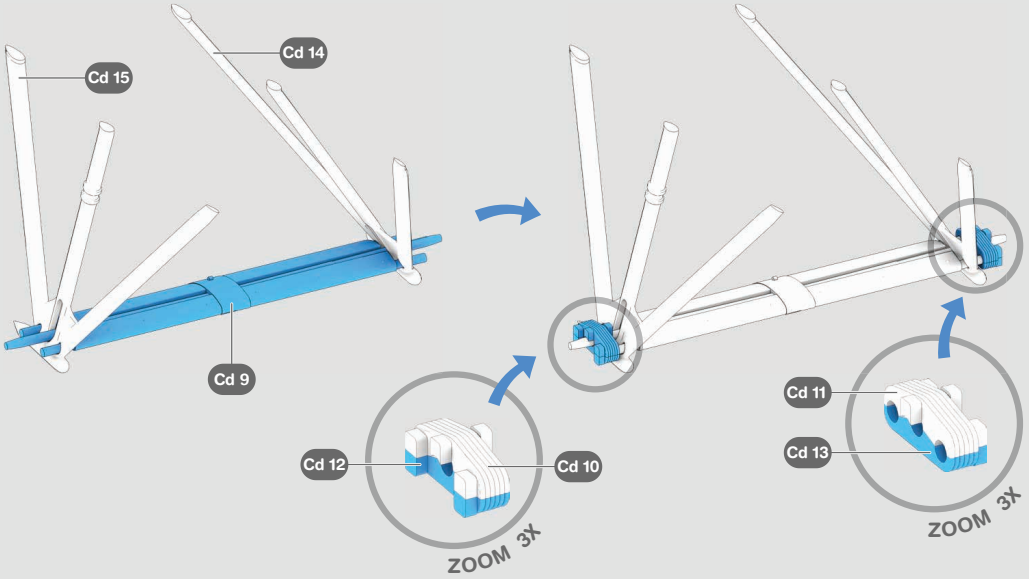






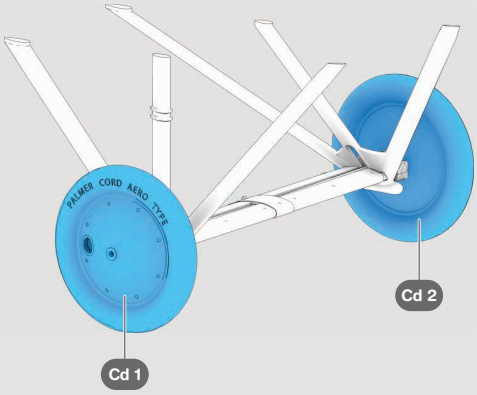
We recommend Type B, Type C and Anchor points 1/48 Gaspatch metal turnbuckles.

17 Undercarriage

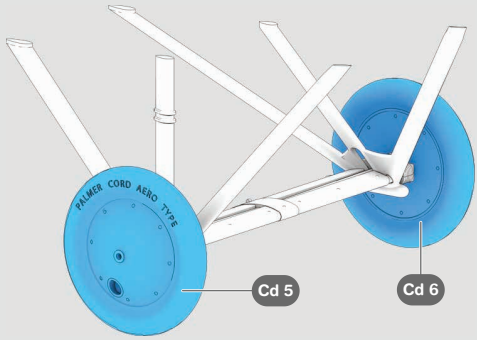


! USE CA (CYANOACRYLATE) GLUE FOR THE WHEELS

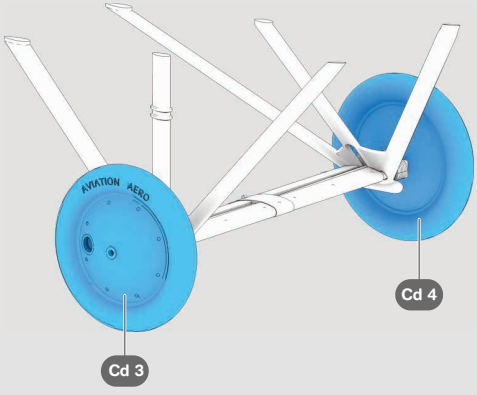
Late type US



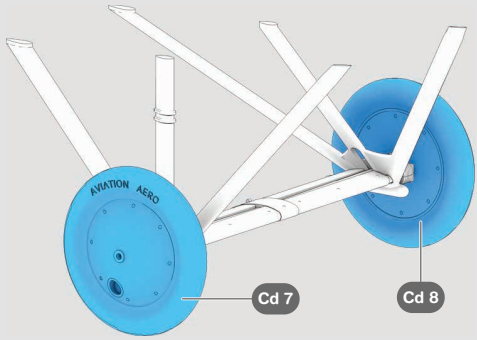
Early type US

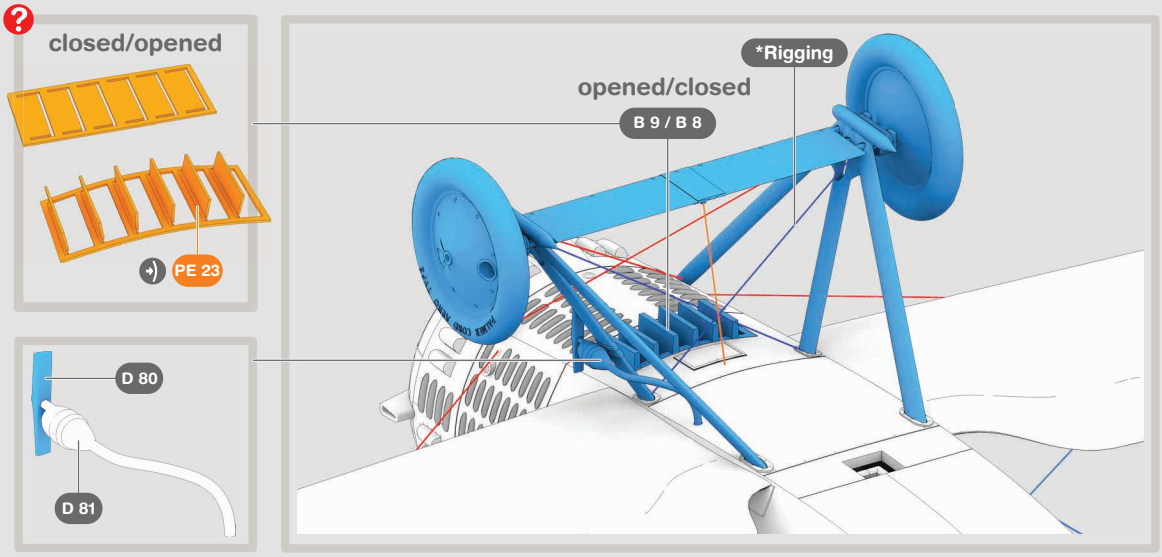


Late type French

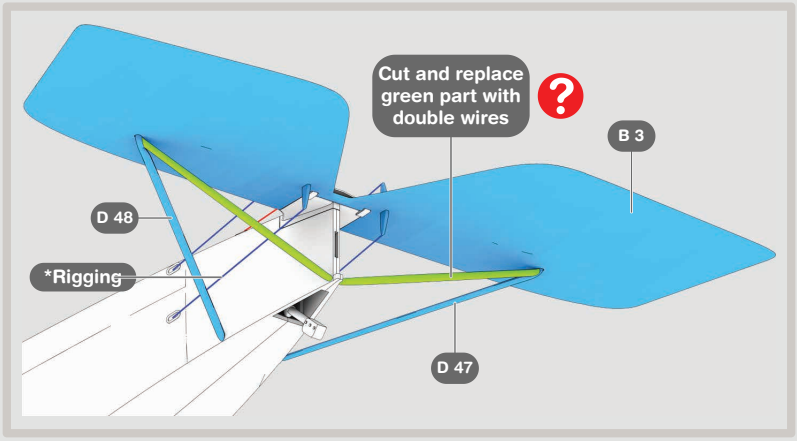


Early type French

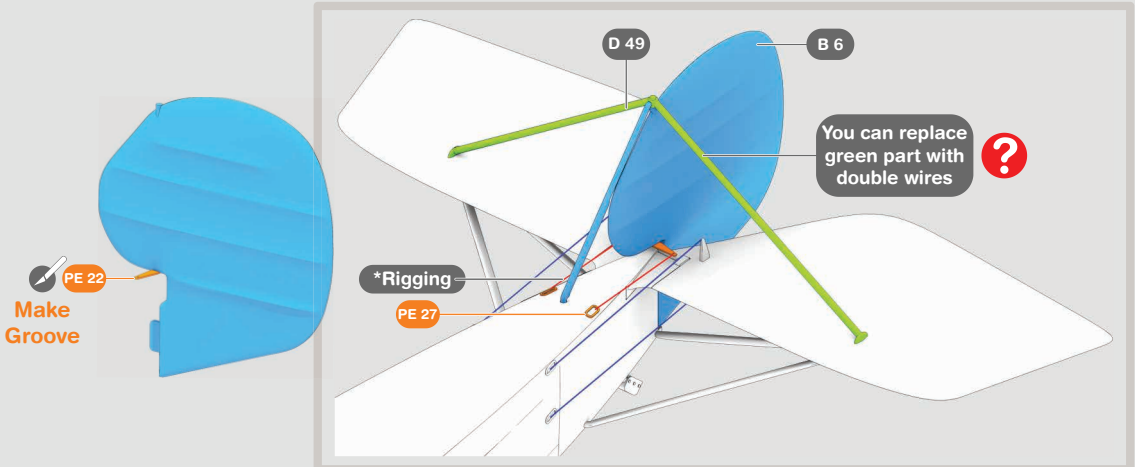




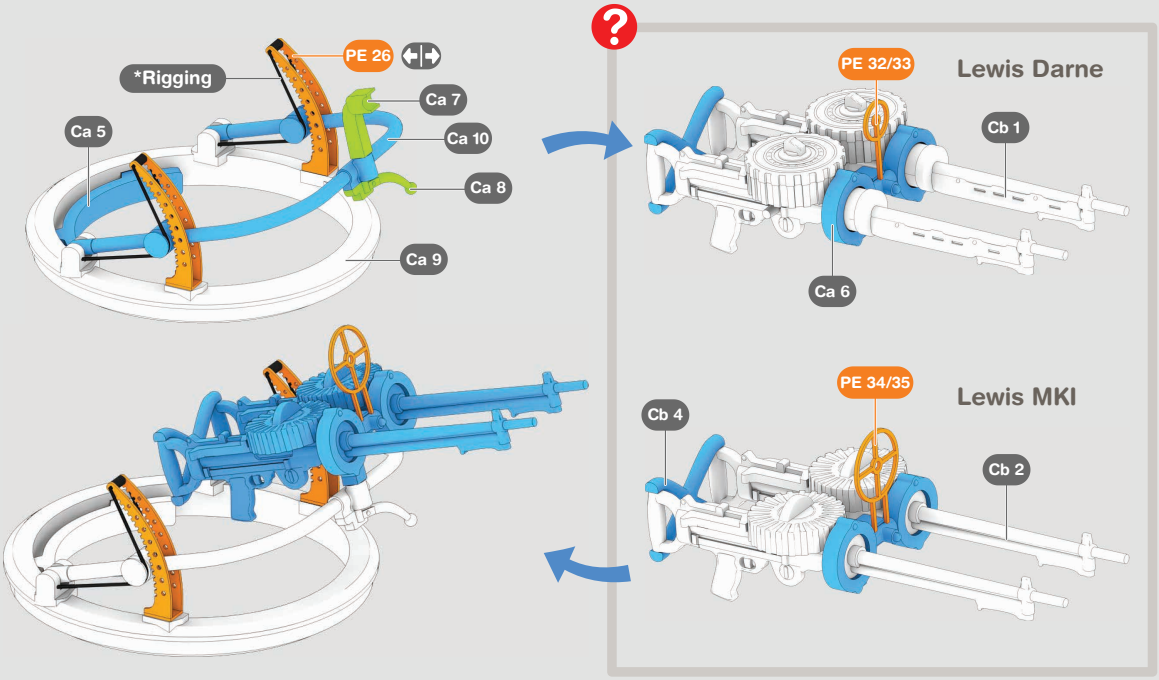
18 Rudder and elevator assembly



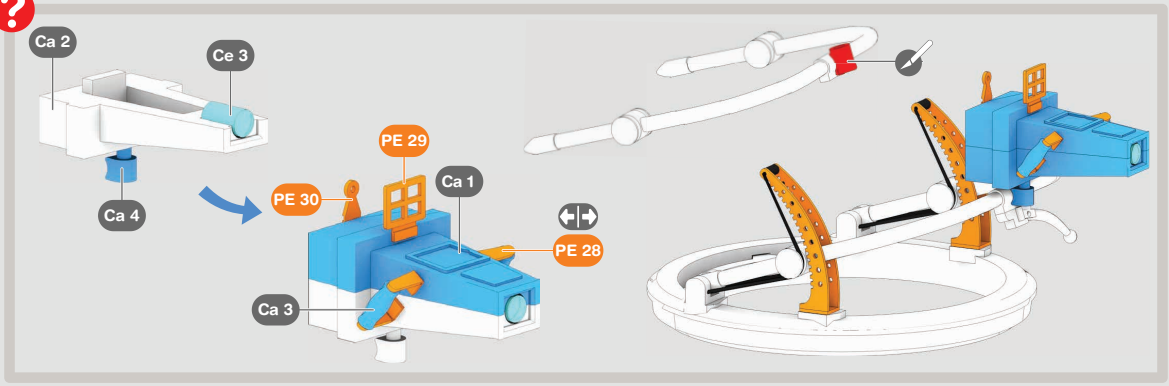
USE PHOTO ETCHED SAW FOR CUTTING SMALL THIN PARTS FROM SPRUE TREE

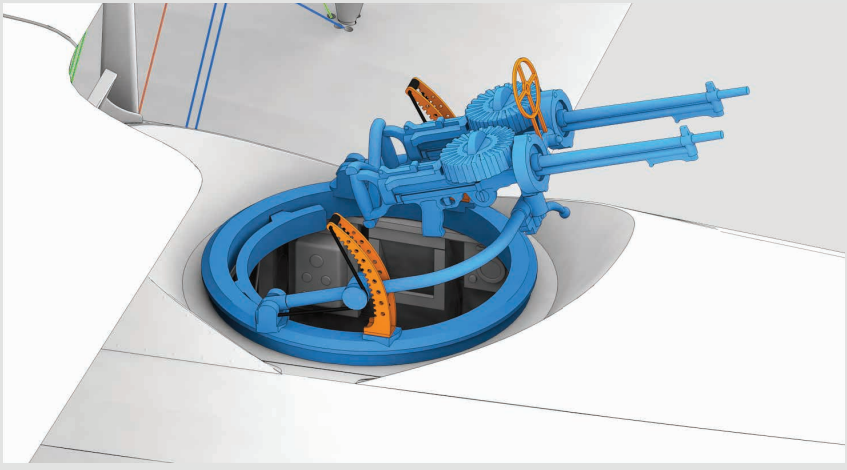


19 Scarfring assembly

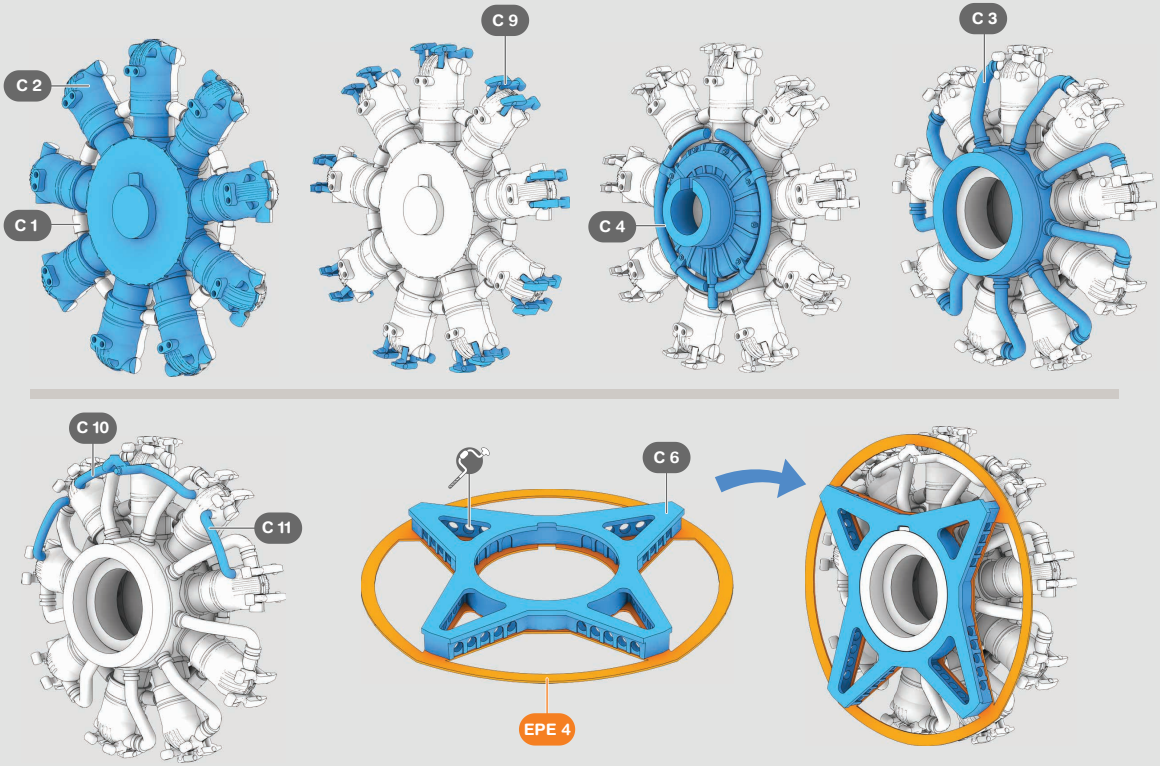


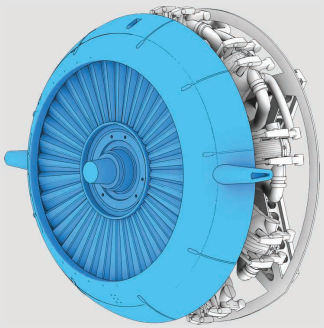
Camera 26 cm

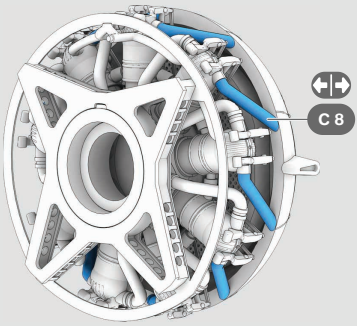


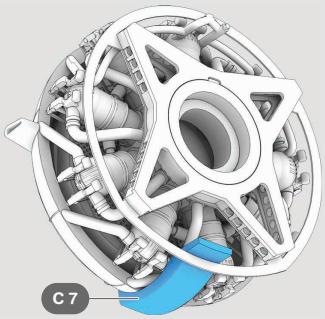


20 Engine 9Z assembly

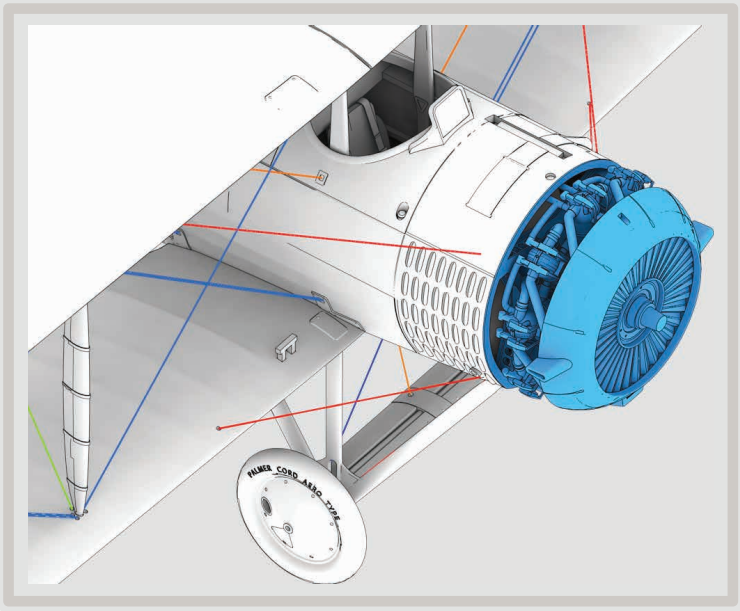


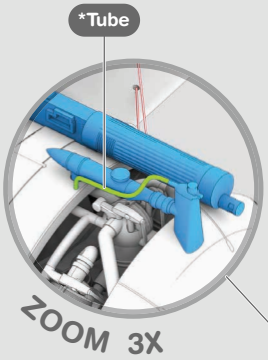


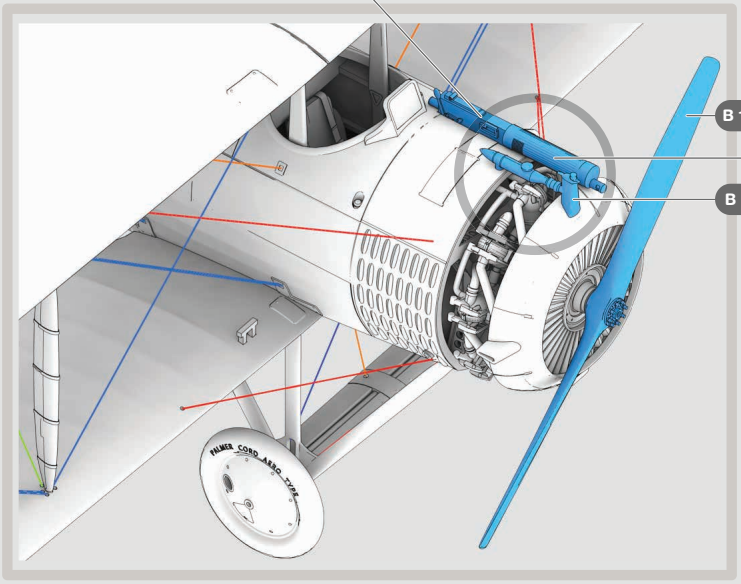




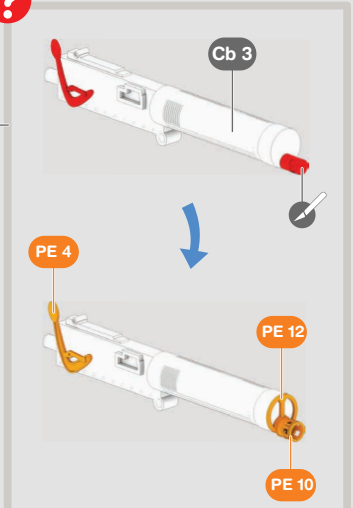
21 Mount the engine to the main body of the plane



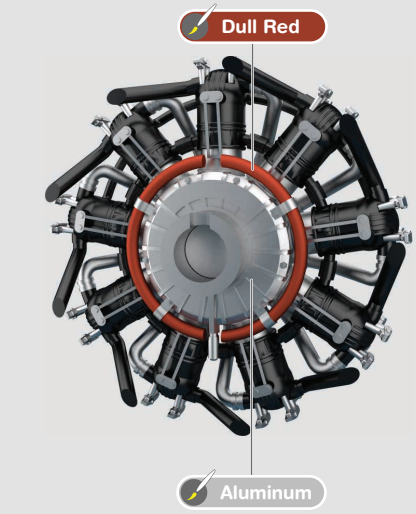


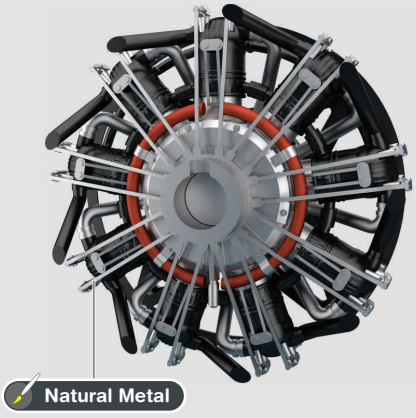


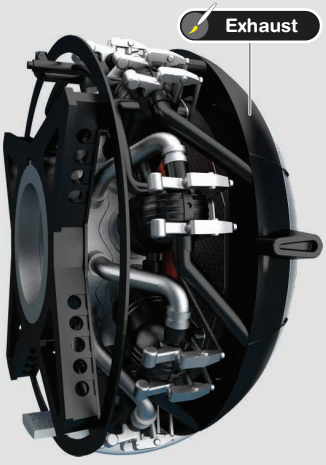
Vickers Gun



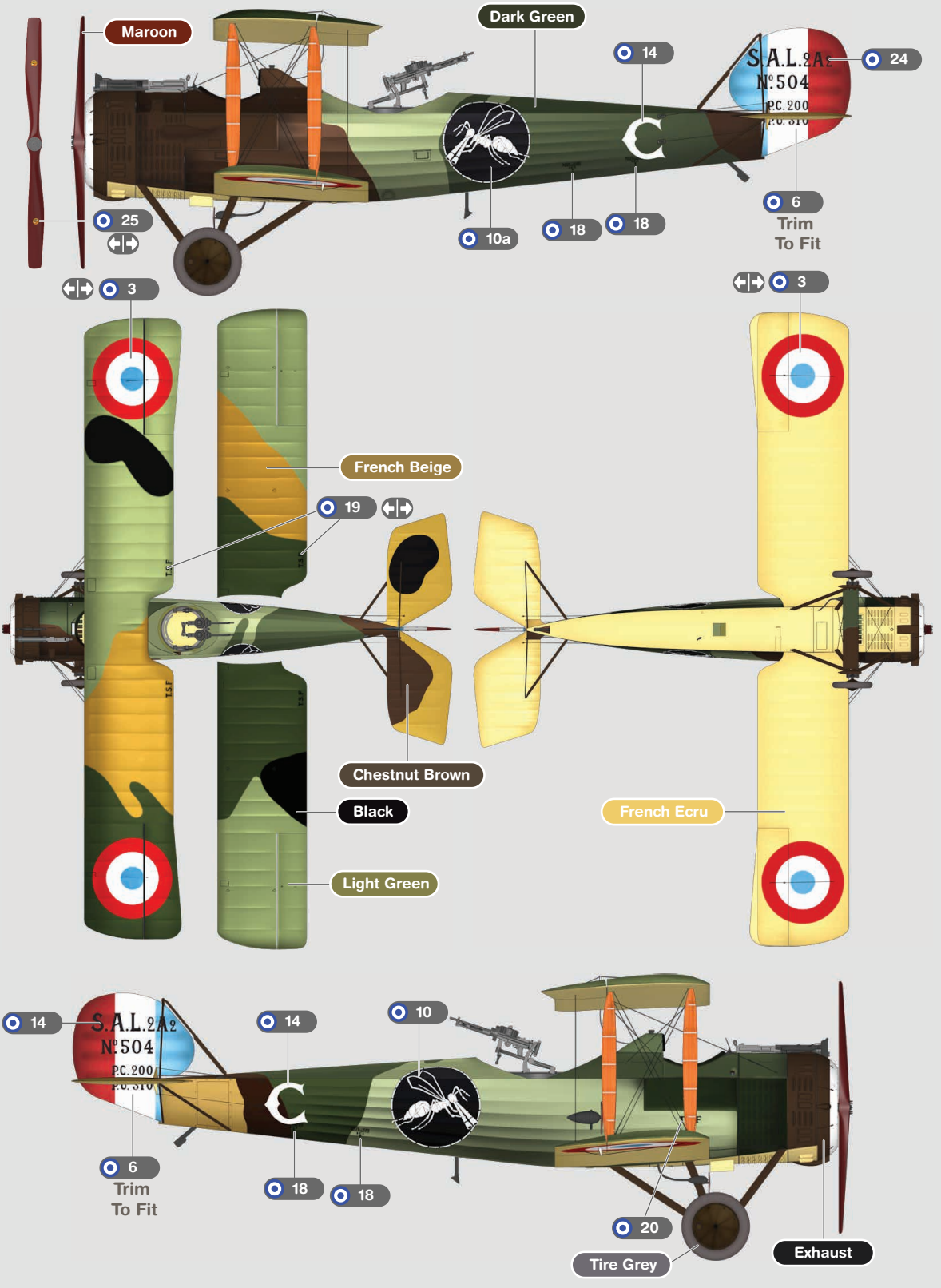
22 Engine paint instructions



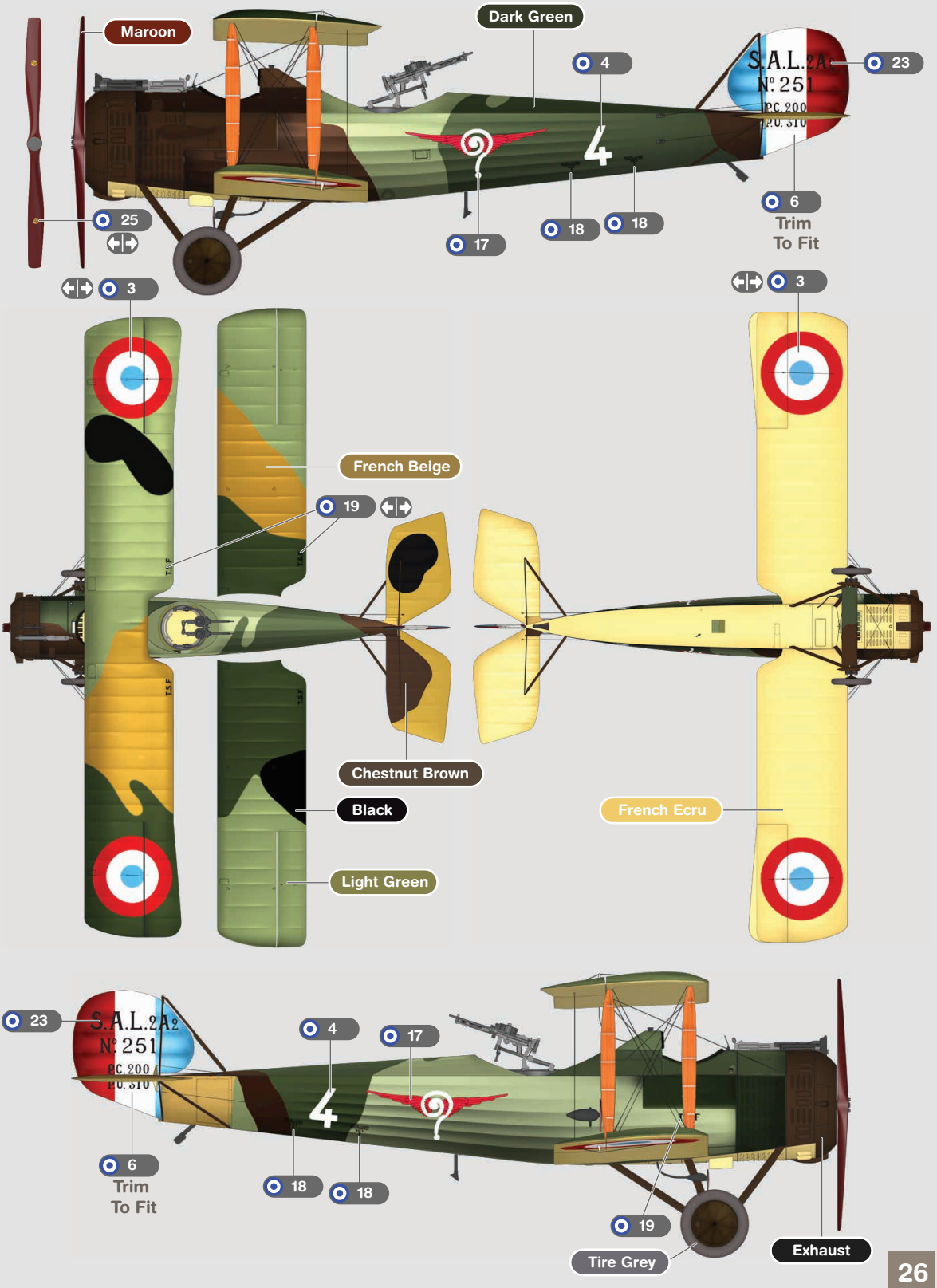




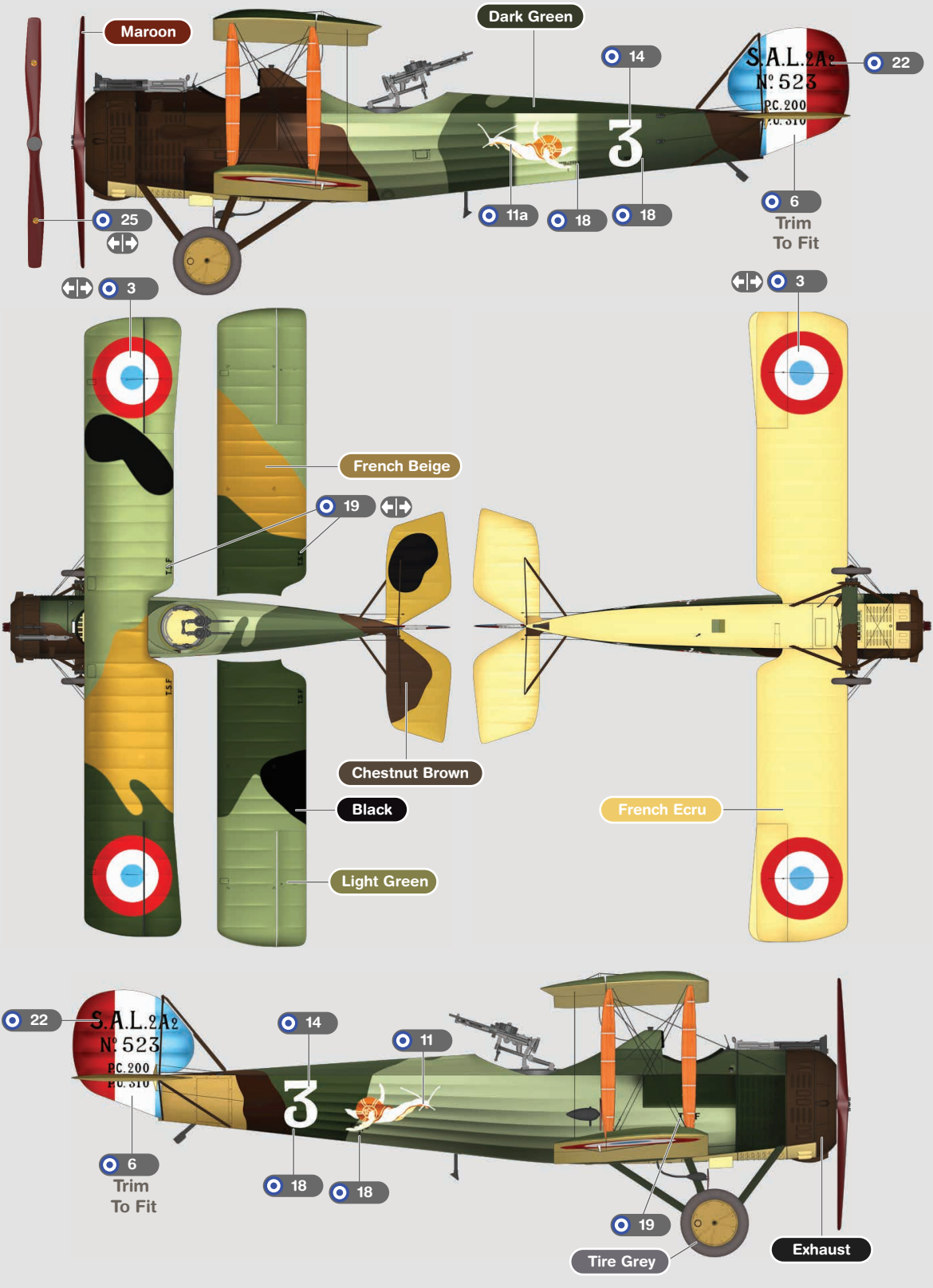
23 French Sal 259



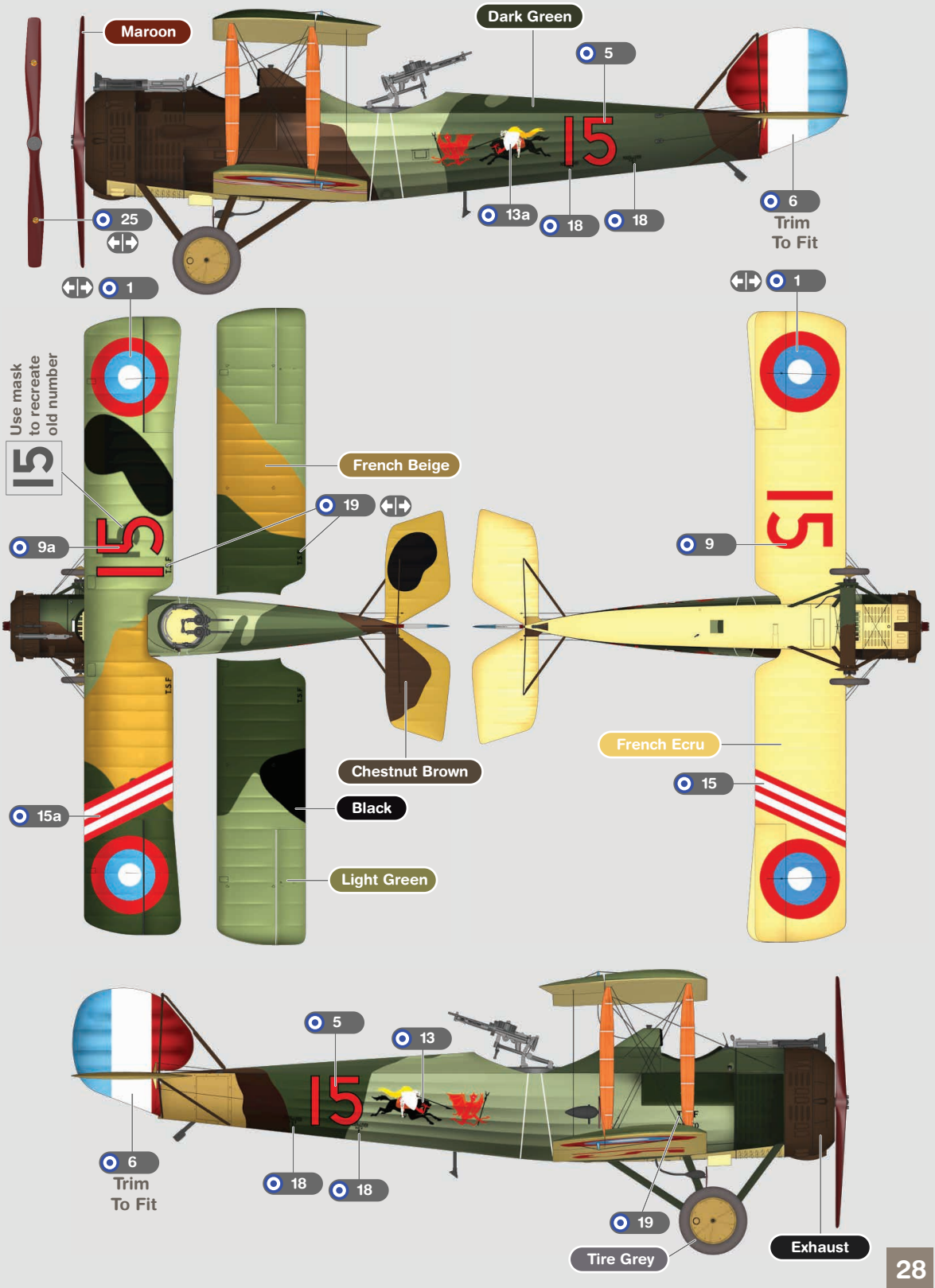
24 French Sal 16



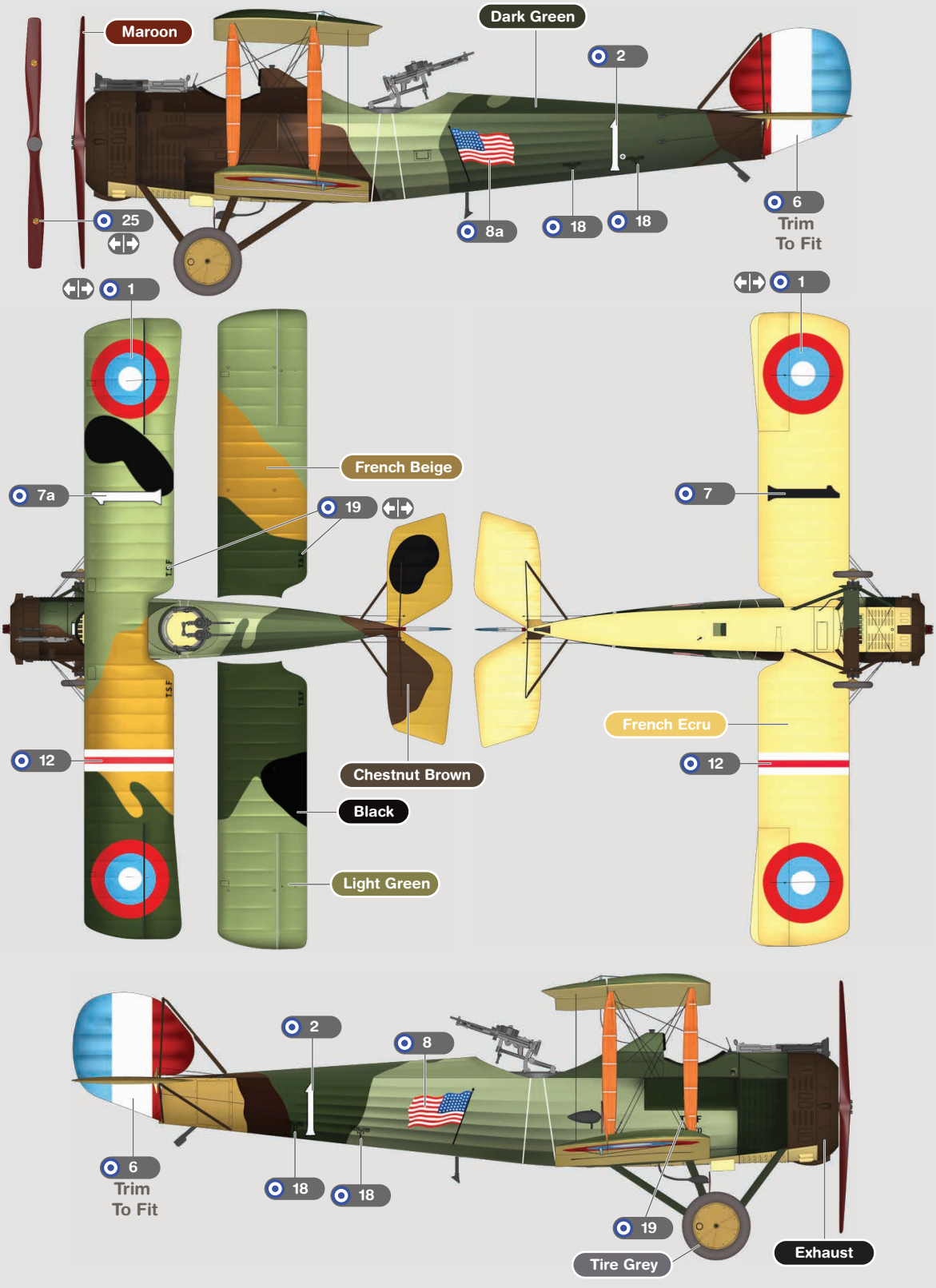
25 French Sal 1

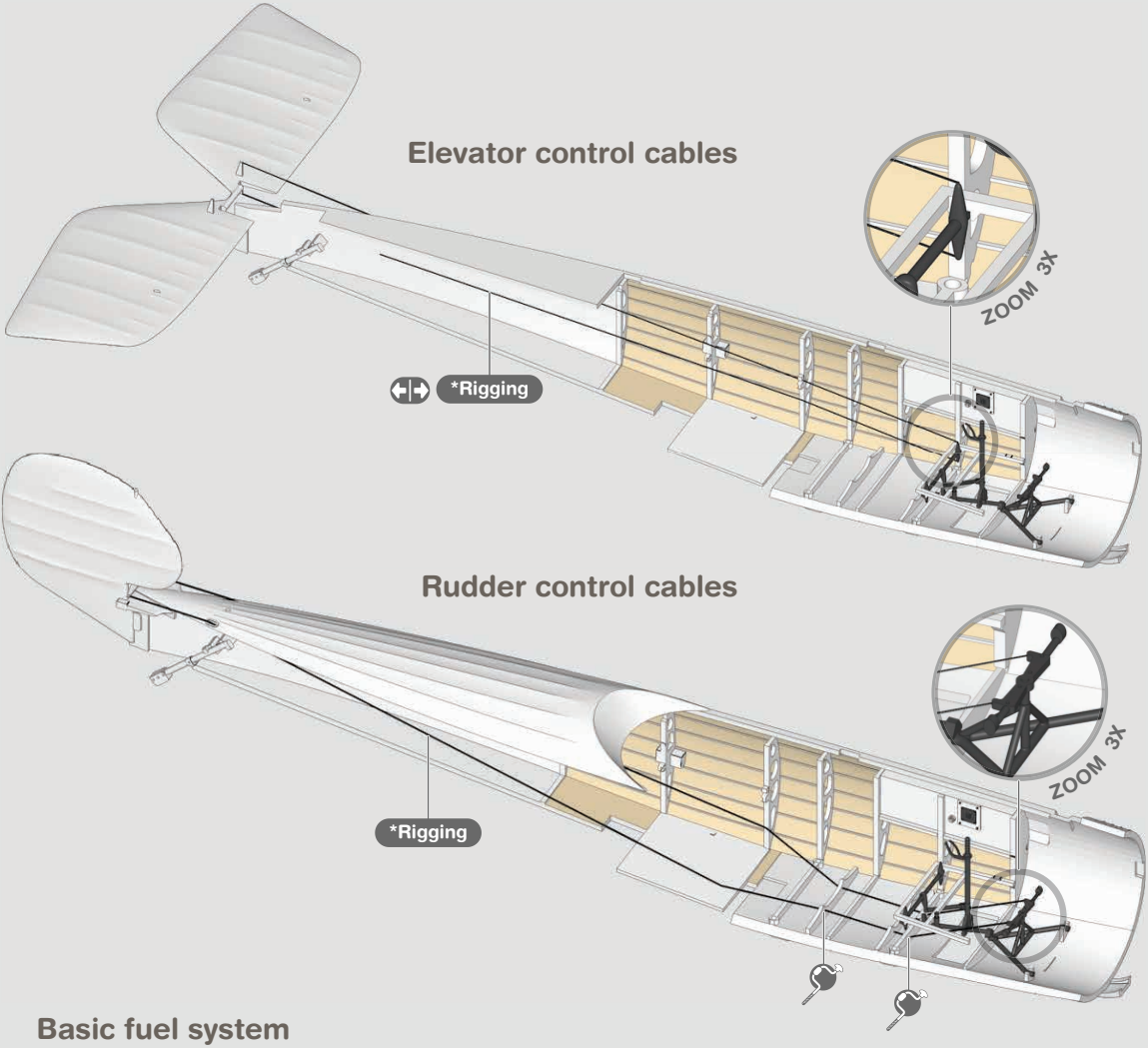


26 USAS 91st Aero Squadron

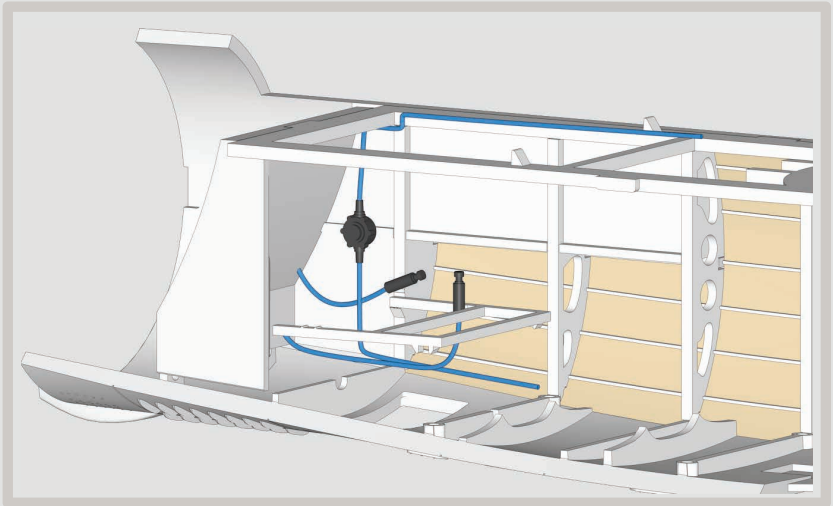


27 USAS 1st Aero Squadron

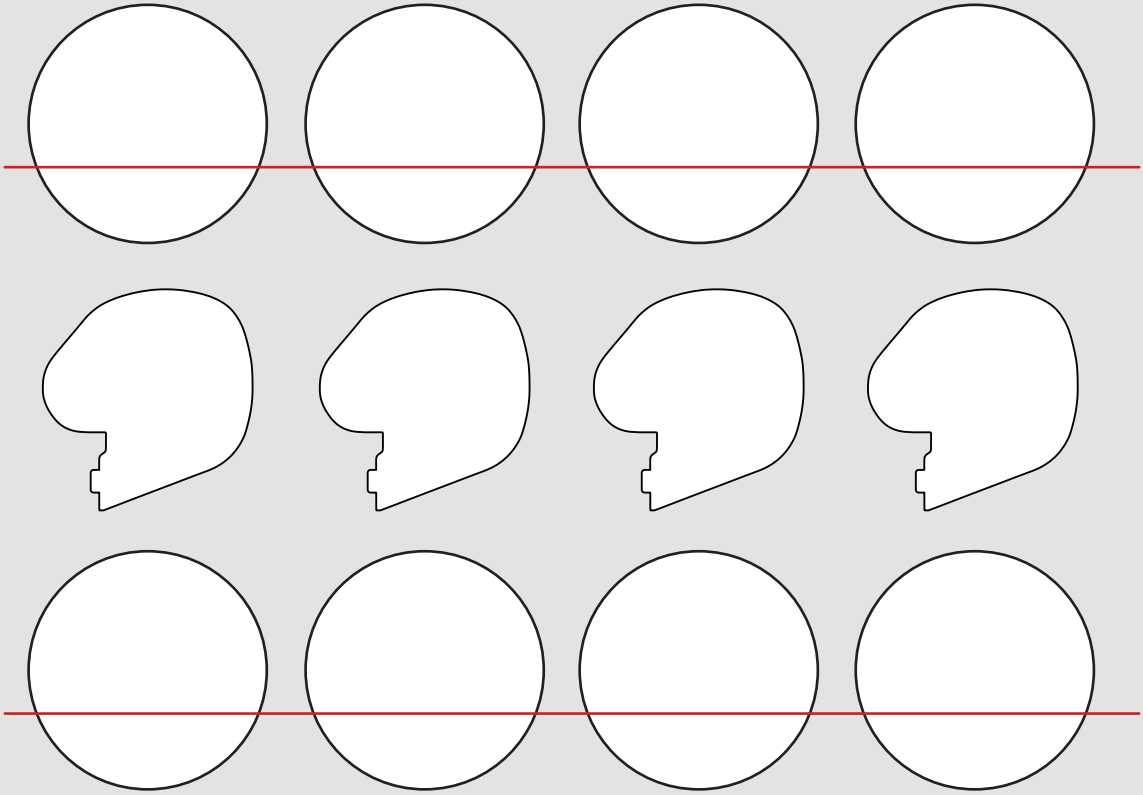




Basic fuel system



Decal templates



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

Salmson 2A2 1/48 Late Type

Salmson 2A2 1/48 Mid Type

Salmson 2A2 1/48 Otsu1

Manual is also available for download from www.gaspatchmodels.com