



Wide, Hard, and Long Scale Model Series

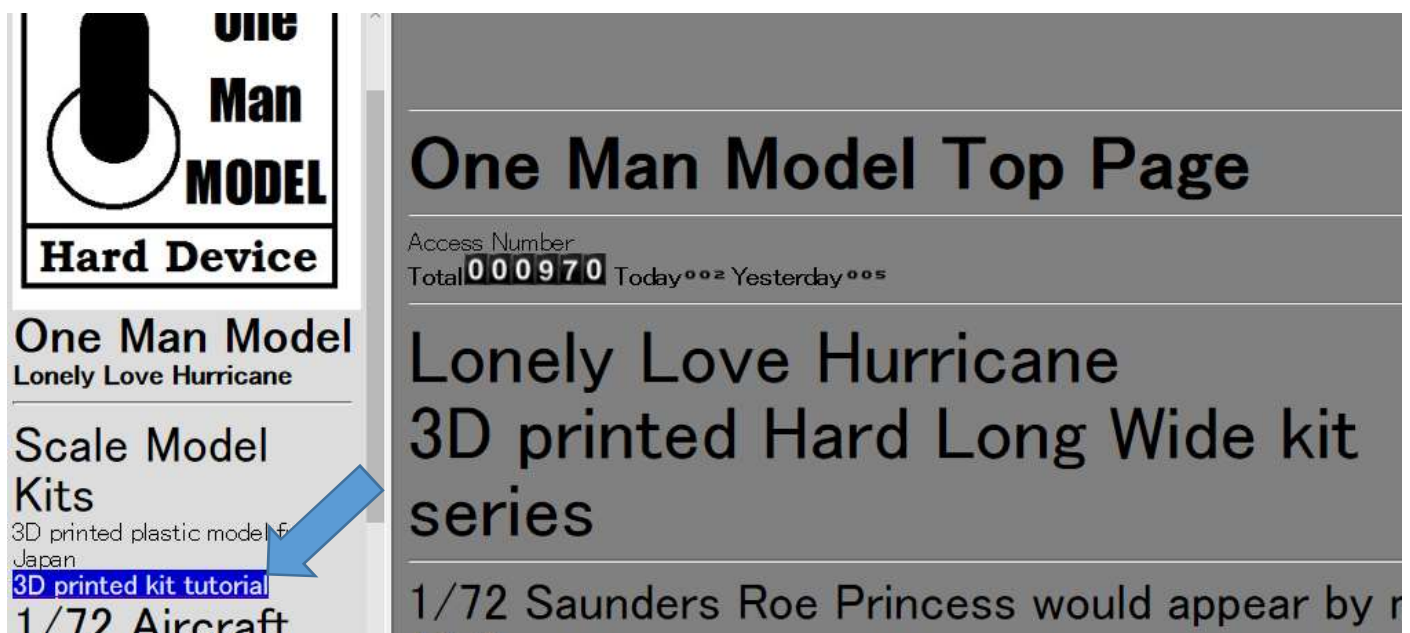
1/72&1/48&1/32 scale Lockheed P-3C Orion kit

February 23, 2022 Edition

Designed by Toshihiko Shimizu

I suggest to take a look at the 3D printed kit tutorial, which is downloadable at the following link.

<http://one-man-model.main.jp/index.html>



• Before erection, removing inside and outside burr is necessary.

Size dimension in this instruction is “millimeters” .

Designed by Toshihiko Shimizu

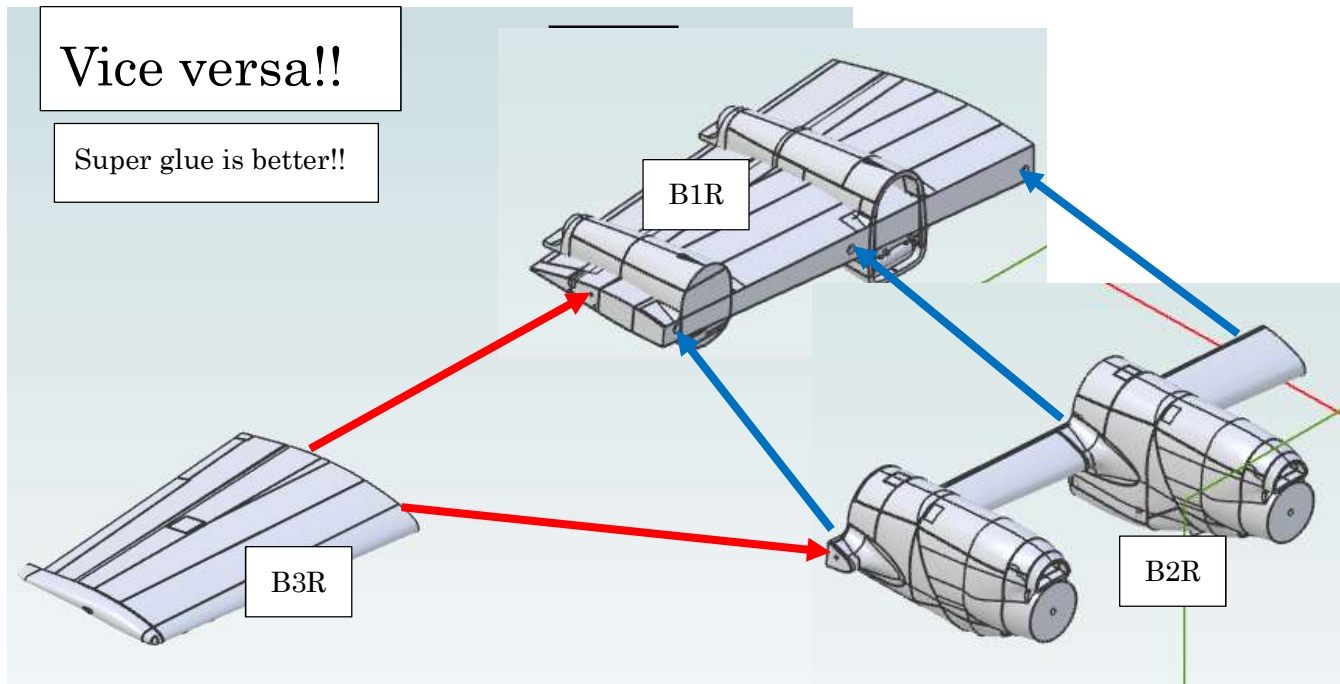
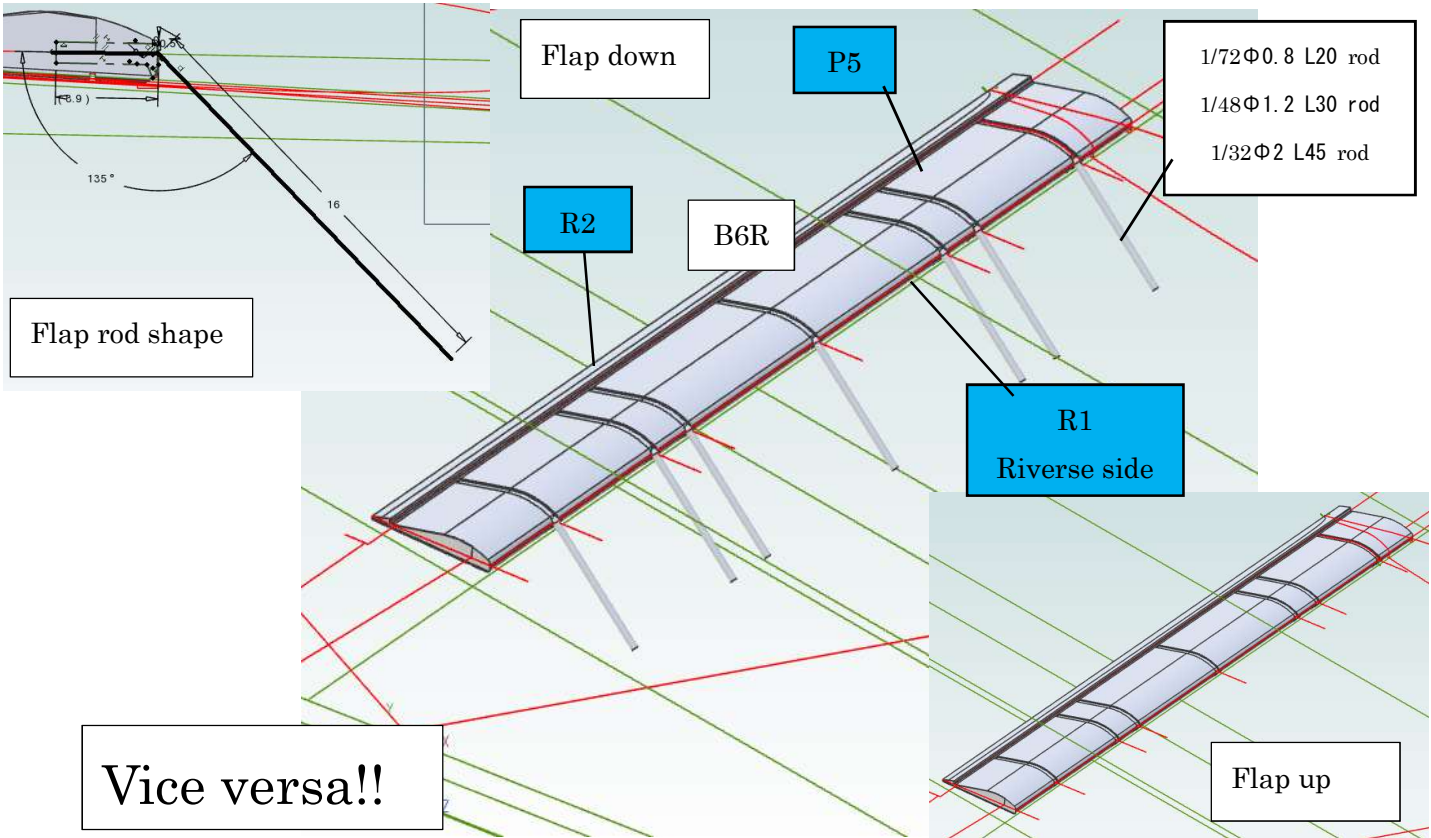
3D printed in Japan

ABS and HIPS filament for 3D printers Made in Taiwan or China

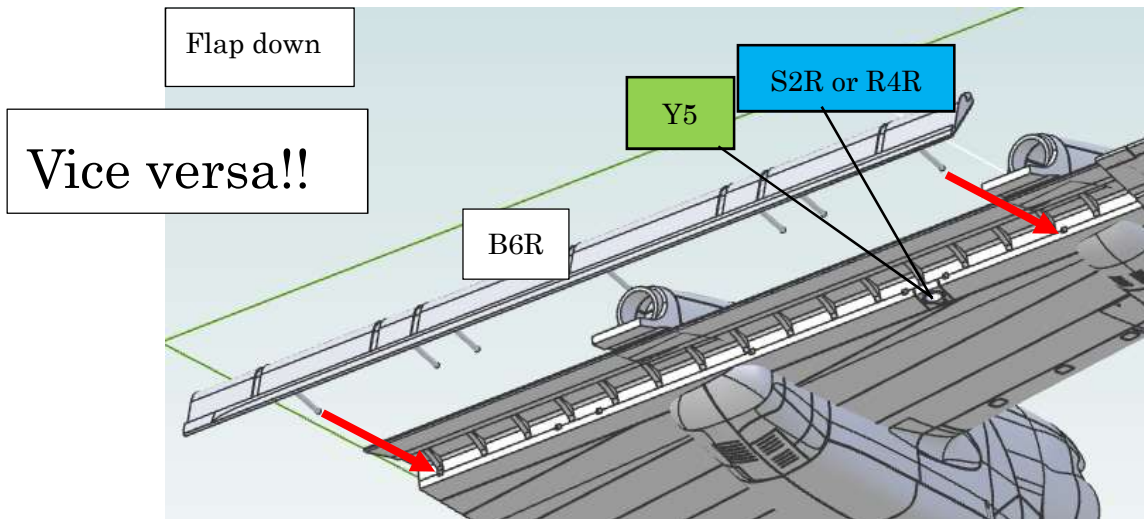
2 The kit erection

2.1 main wing unit (super glue is better than normal glue!!)

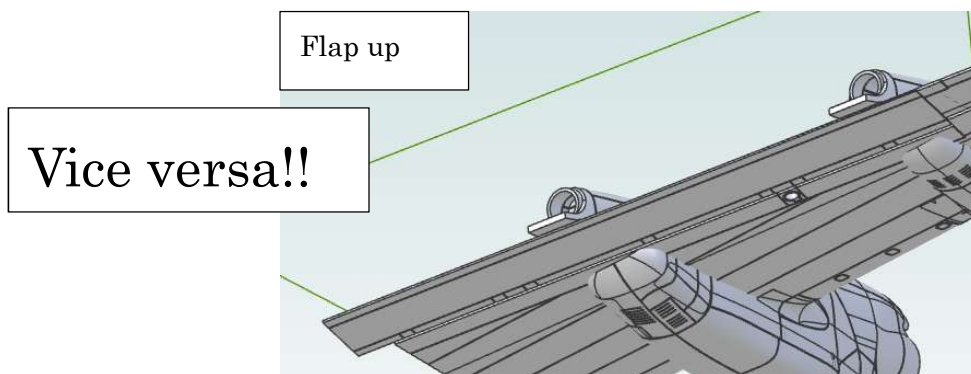
It is possible to select both closed and opened version!!



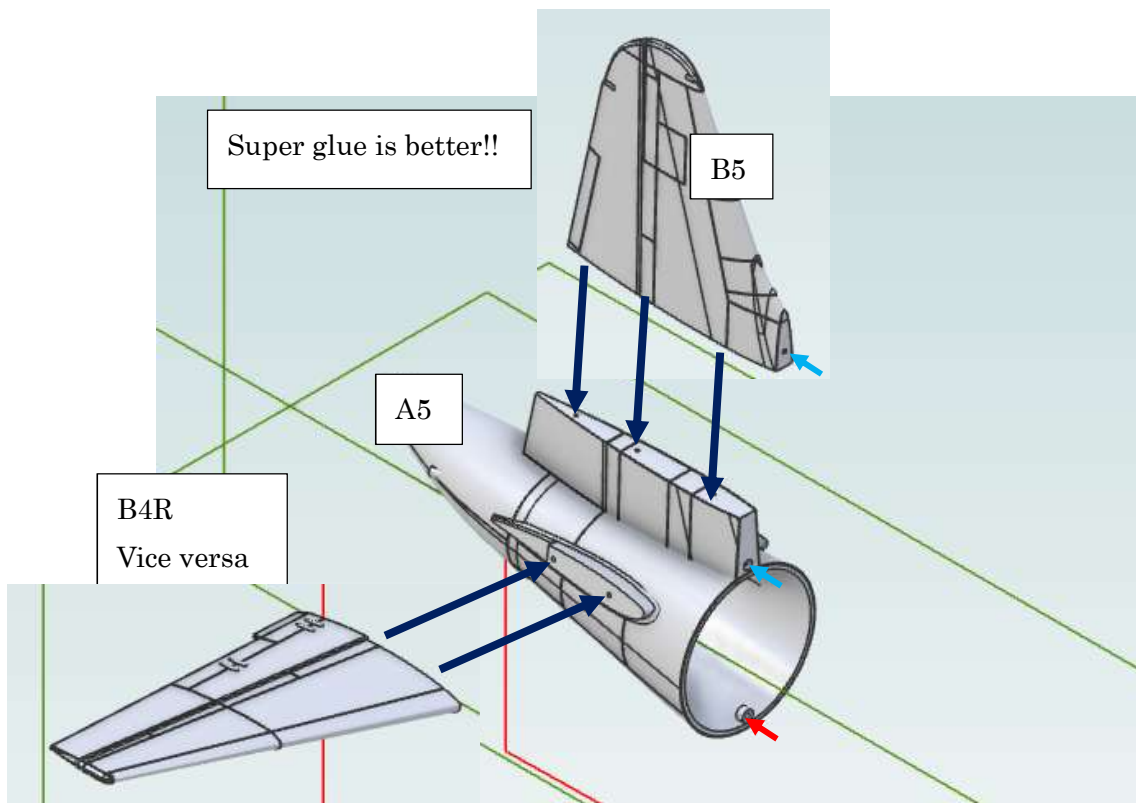
Among the above image '→' mean Φ0.9 L4 wire, 1/48 Φ1.2 L6 wire, 1/32 Φ1.8 L9 bamboo
 '→' mean Φ0.9 L15 wire, 1/48 Φ1.2 L22.5 wire, 1/32 Φ1.8 L33.5 bamboo



Y5 clear tape is on S2R.



2.2 rear unit (super glue is better than normal glue!!)

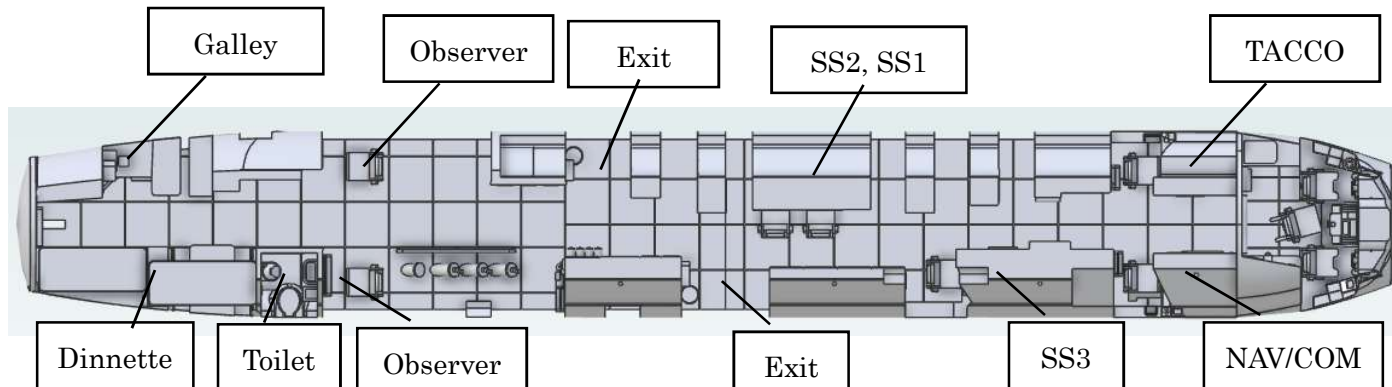


- Among the above image '→' mean $\Phi 0.9$ L5 wire, 1/48 $\Phi 1.2$ L7.5 wire, 1/32 $\Phi 1.8$ L11 bamboo
- '→' mean $\Phi 0.9$ L5, 1/48 $\Phi 1.5$ L7.5, 1/32 $\Phi 2.5$ L11 wire
- '→' mean $\Phi 0.9$ L8 wire, 1/48 $\Phi 1.2$ L12 wire, 1/32 $\Phi 1.8$ L18 bamboo

2.3 Inside assembly

- 1 trimming floor plates side edge
- 2 Painting and sticking inside parts
- 3 assembling some inside parts on the floor plates
- 4 Final painting

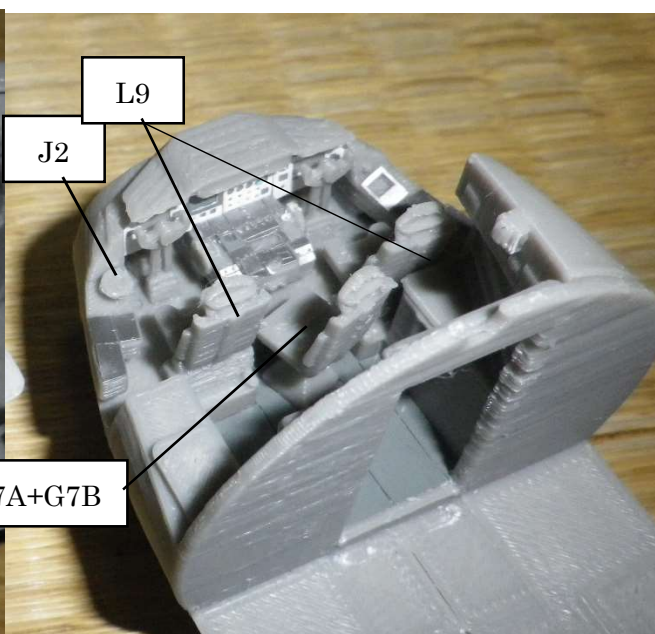
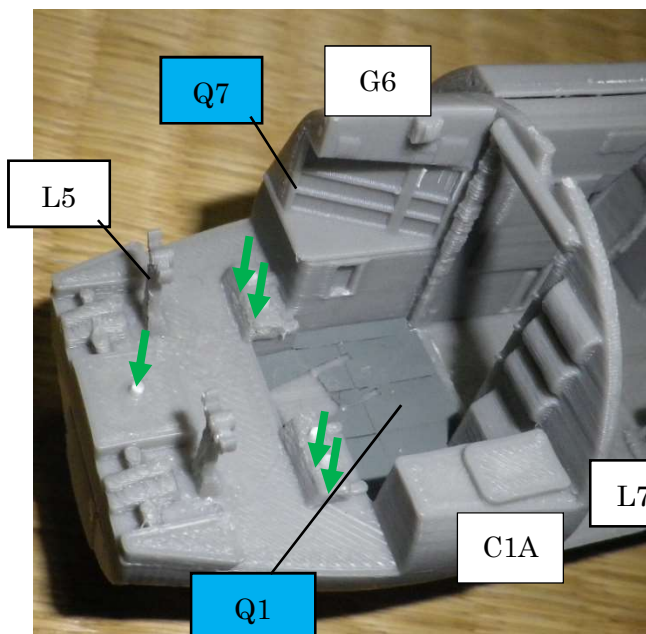
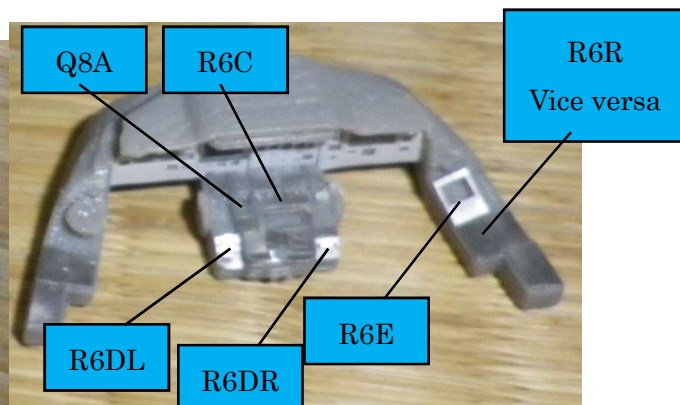
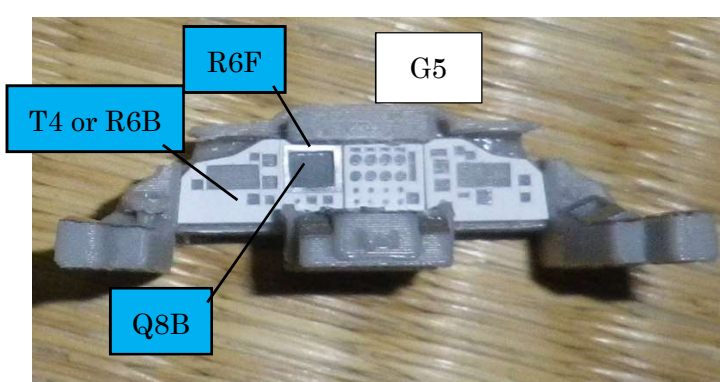
Inside arrangement is as follows.



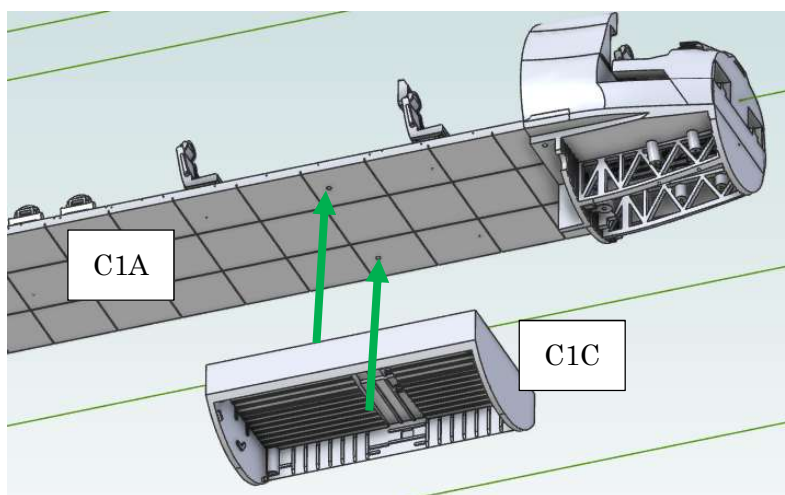
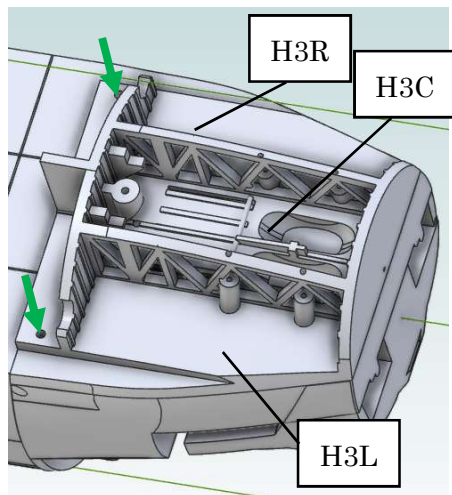
Trimming floor plates

C1A&C1B

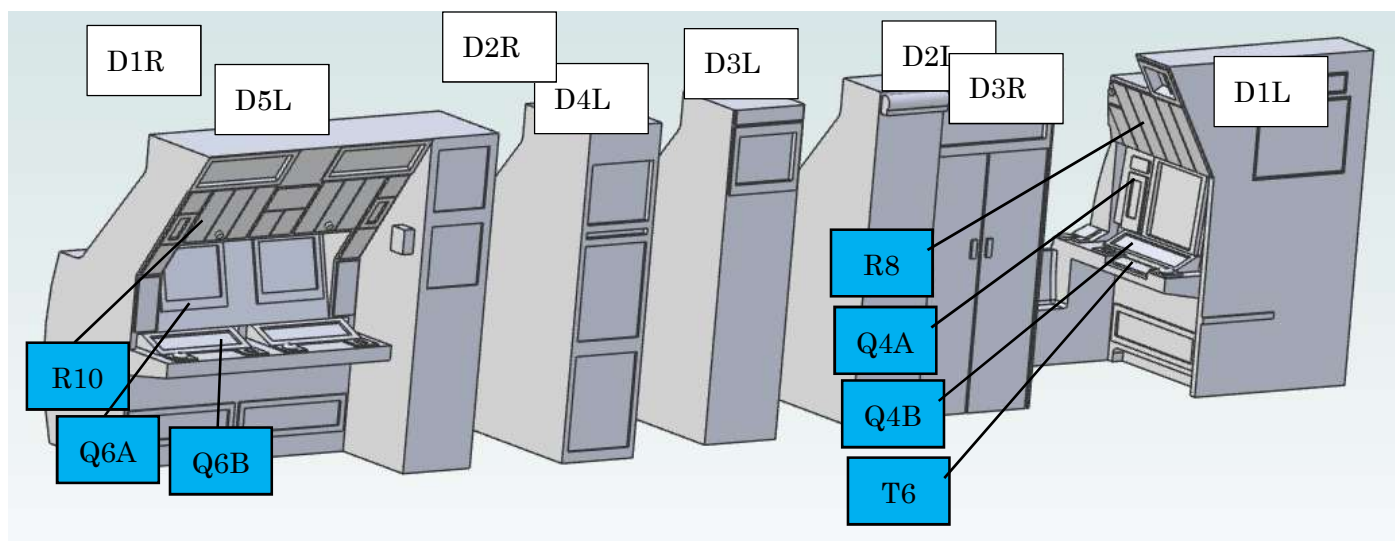
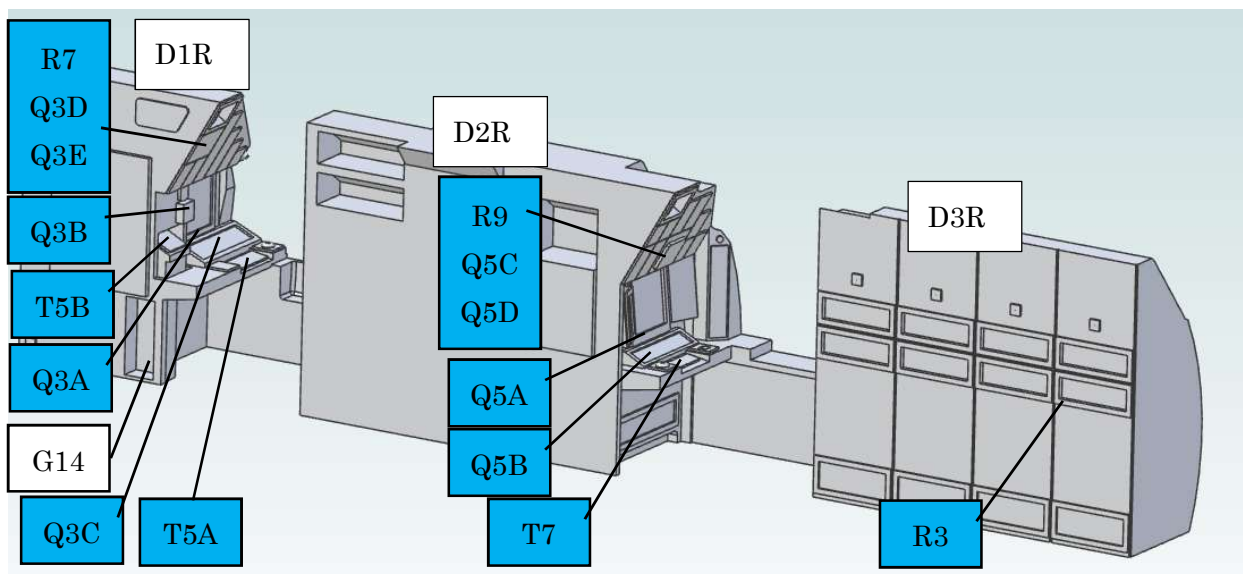
Please sand floor side about 0.2mm to fit fuselage
Vice versa



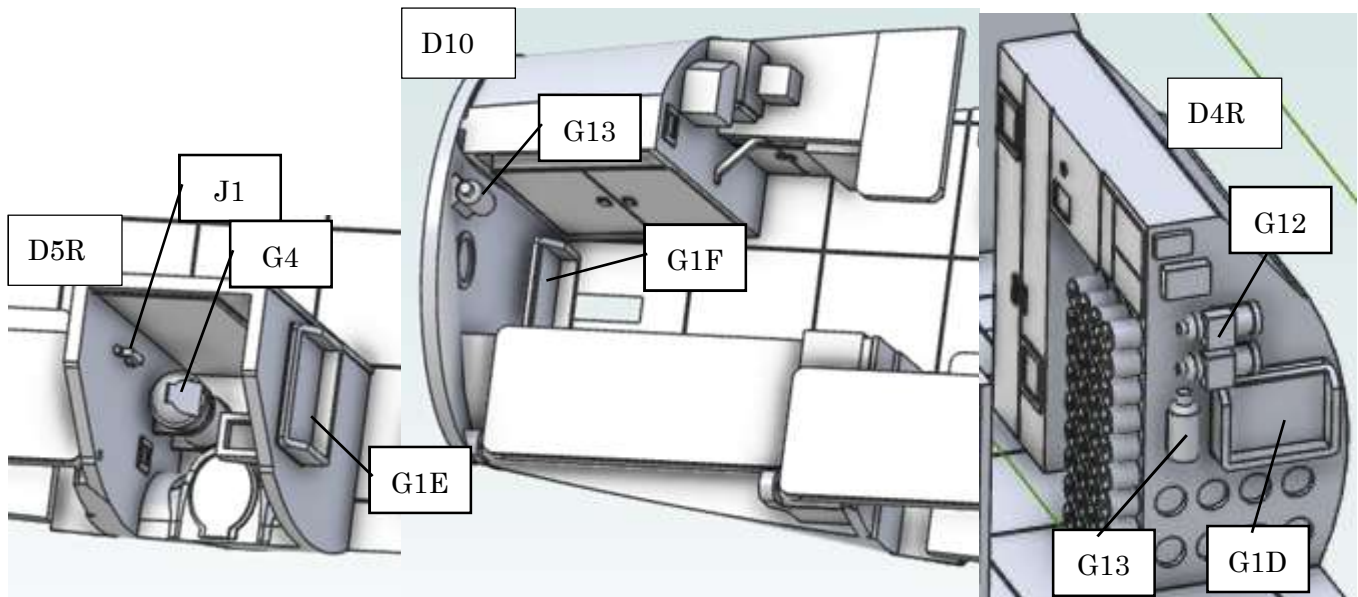
Among the above image '→' mean $\Phi 1$ L3 PS, 1/48 $\Phi 1.5$ L4.5 wire, 1/32 $\Phi 2.5$ L7 wire



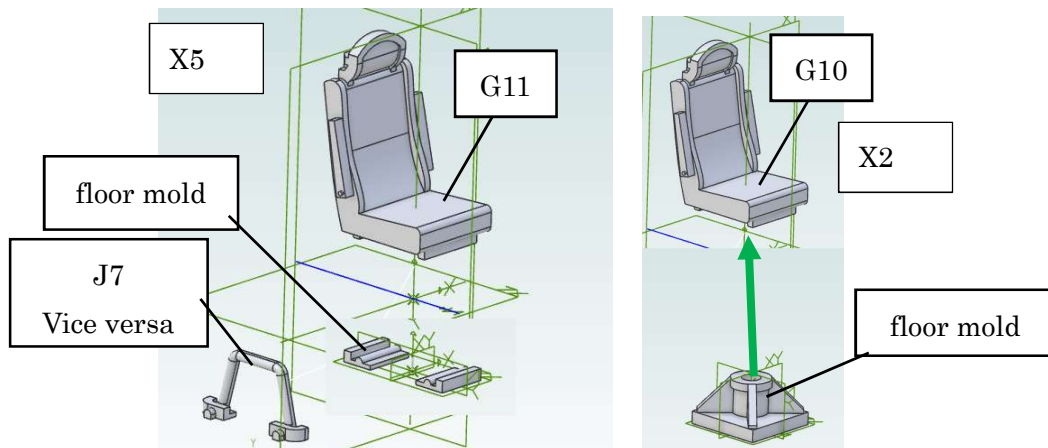
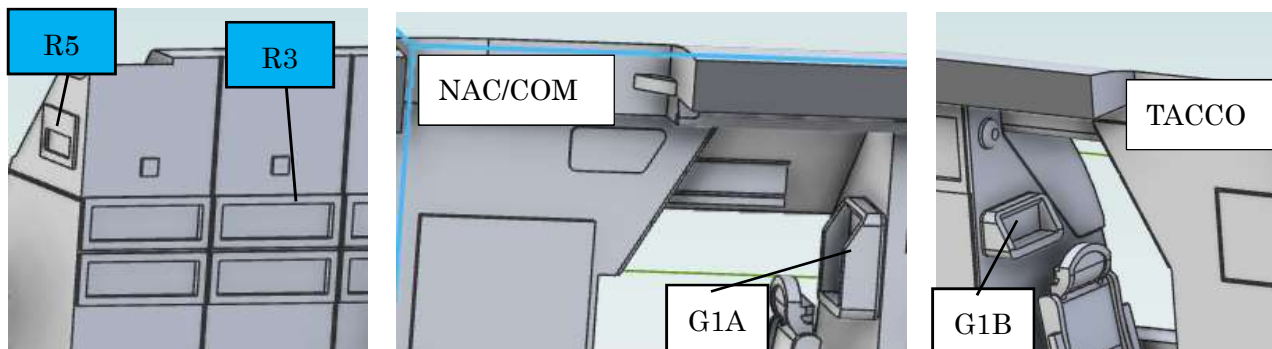
Among the above image '→' mean $\Phi 1$ L3 PS, 1/48 $\Phi 1.5$ L4.5 wire, 1/32 $\Phi 2.5$ L7 wire



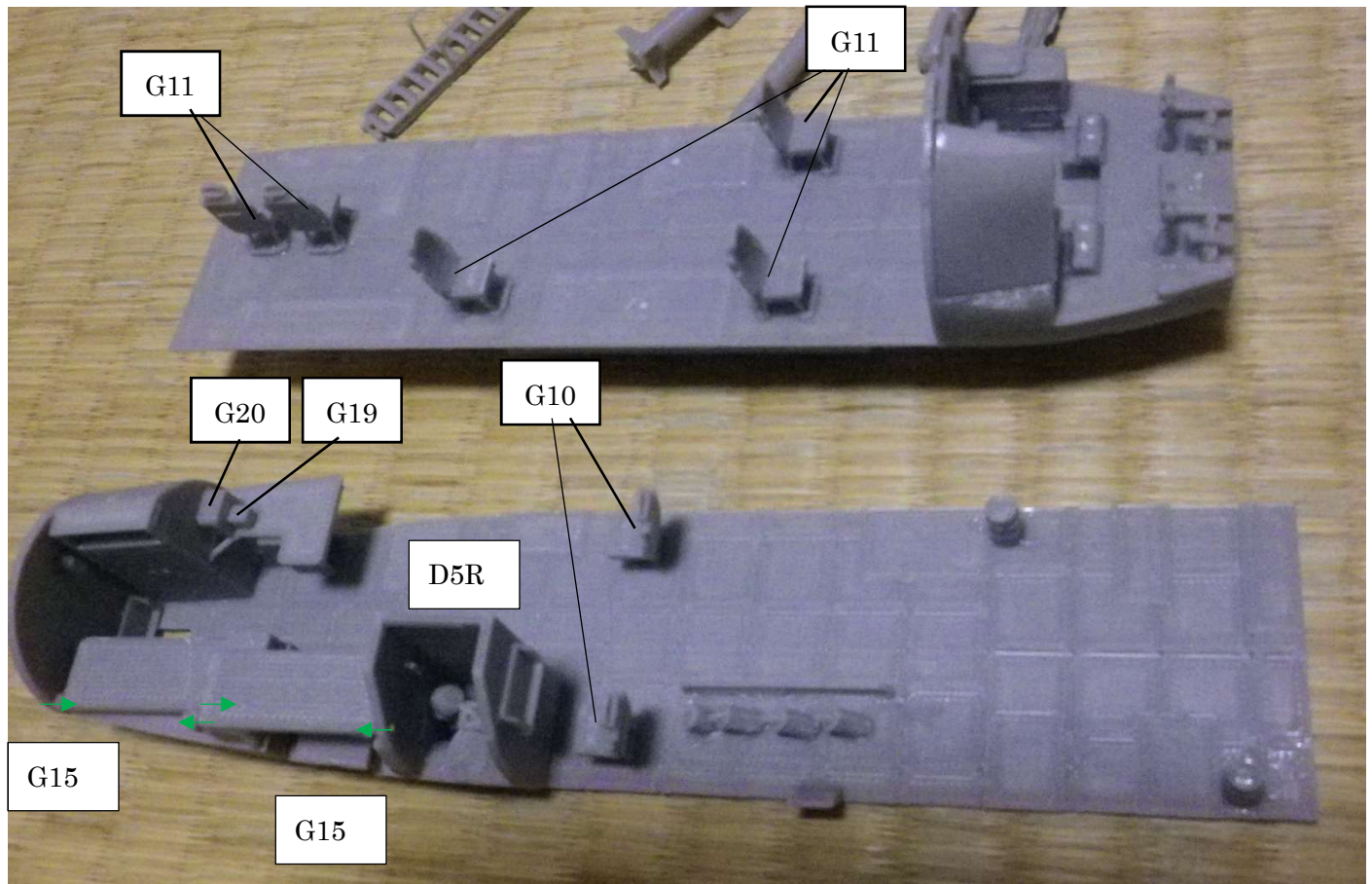
D1R to D4R and D1L to D9L should be attached on inside fuselage later.



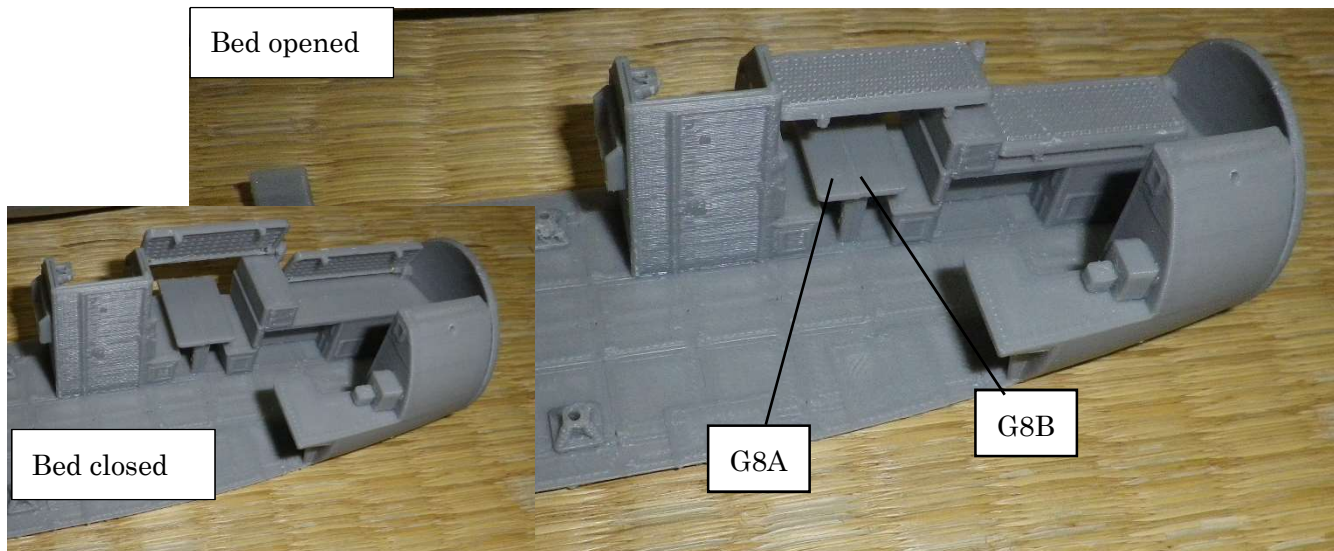
But D1R to D4R and D1L to D9L should be attached on inside fuselage later.
Please assemble D5R and D10 on the floor.



Among the above image '→' mean $\Phi 1.2$ L7 brass rod, 1/48 $\Phi 1.8$ L10.5 bamboo, 1/32 $\Phi 3$ L16 bamboo



Among the above image '→' mean $\Phi 0.8$ L4 brass rod, $1/48 \Phi 1.2$ L6 brass rod, $1/32 \Phi 1.8$ L9 bamboo



2.4 Forward fuselage

- Before erection, removing inside and outside burr is necessary.

1 Landing gear cover G7C separation from A1A

Please cut off carefully!!

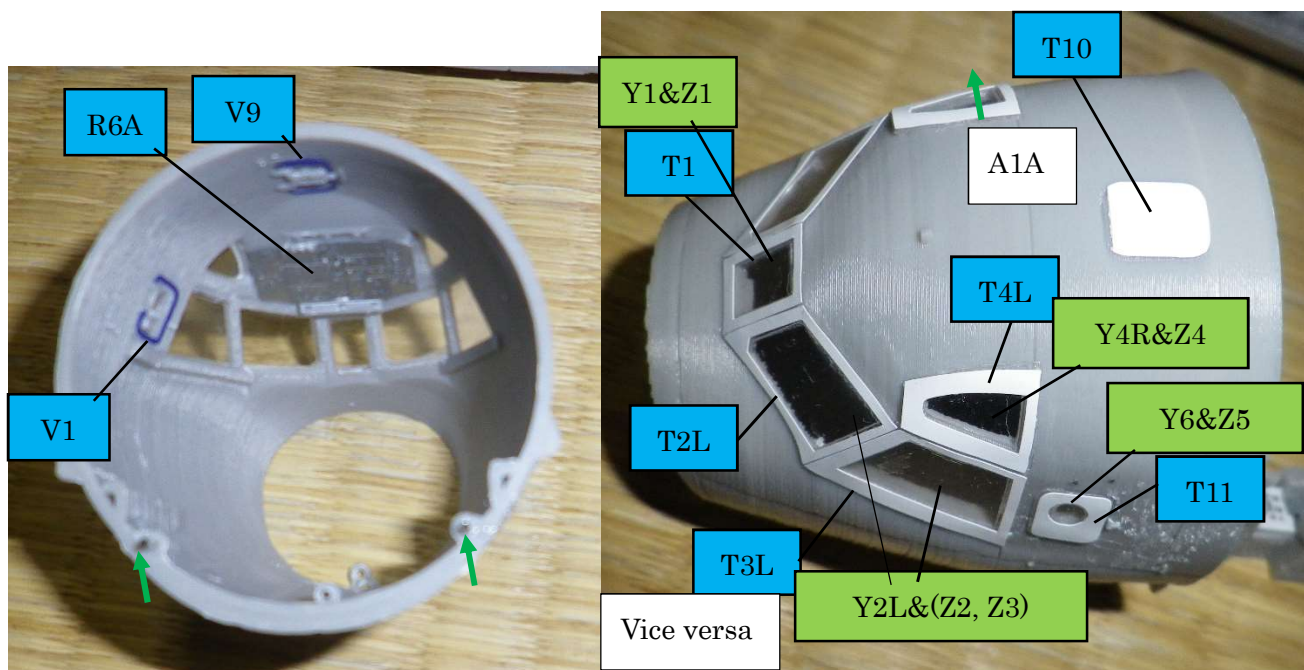
2 Painting inside

3 Sticking inside

4 window assembling

(clear tape from OUTSIDE and window clear sheet from INSIDE)

5 Outside sticker and window masking for later exterior painting



Among the above image '→' mean $\Phi 0.9$ L4 wire, 1/48 $\Phi 1.5$ L6 wire, 1/32 $\Phi 2.5$ L9 wire

Window frame stickers should be on each clear tapes!!

Sticker is paintable. And window masking tape on clear sheet is useful when painting.

2.5 Middle fuselage

- Before erection, removing inside and outside burr is necessary.

1 forward and after fuselage connection

1/72 A2R+A3R and vice versa Please use $\Phi 0.9$ L4 wire.

1/48 A2R+A3R and vice versa $\Phi 1.5$ L6 wire.

1/32 A2R+A3R+A4R and vice versa $\Phi 2.5$ L9 wire.

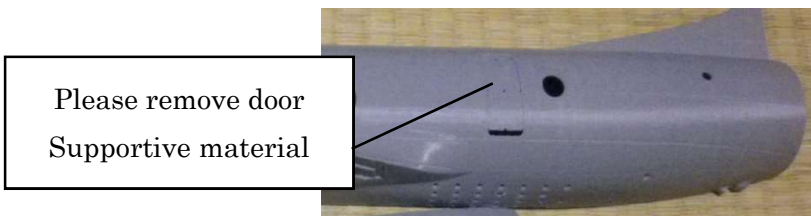
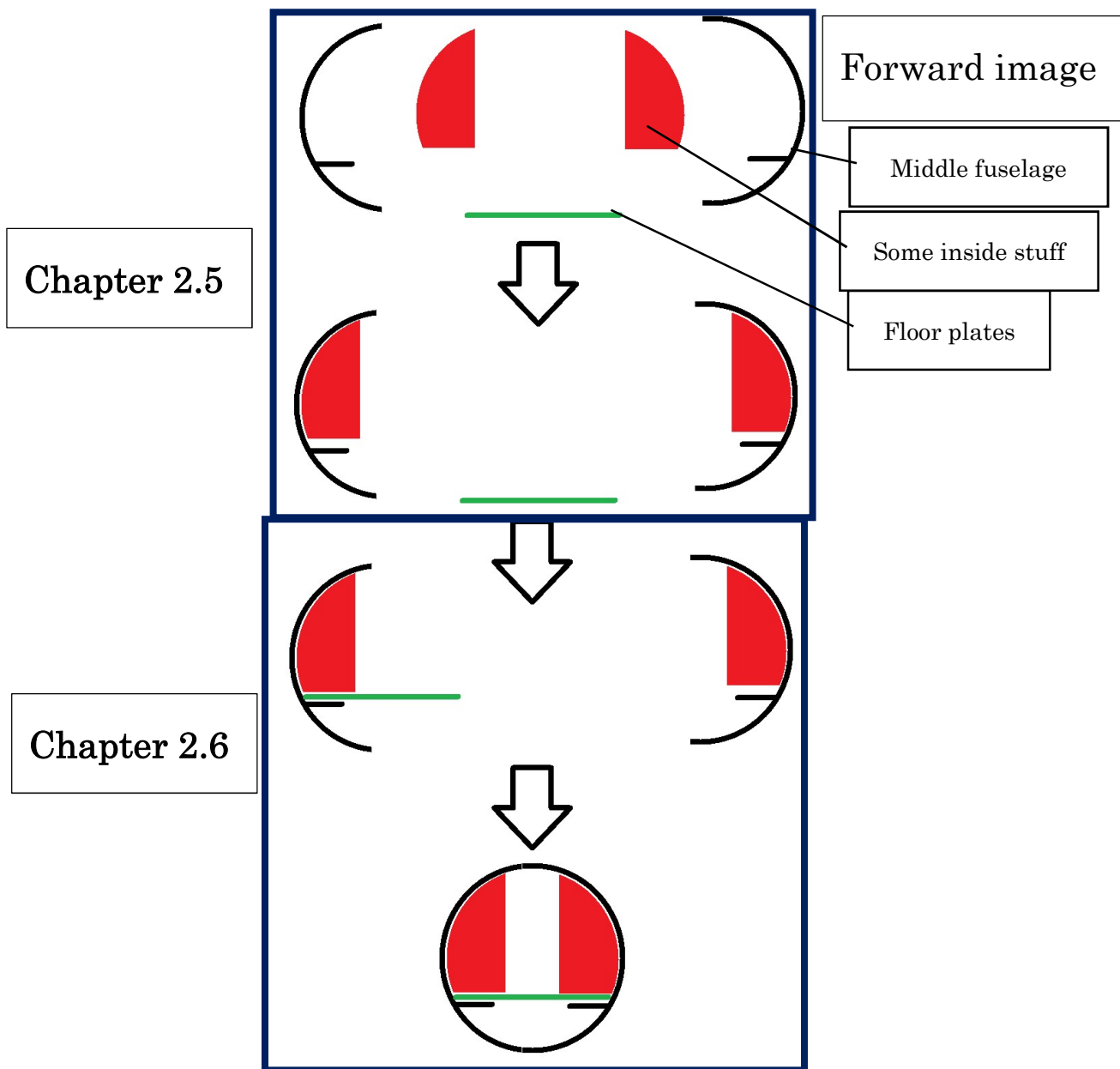
2 sanding etc

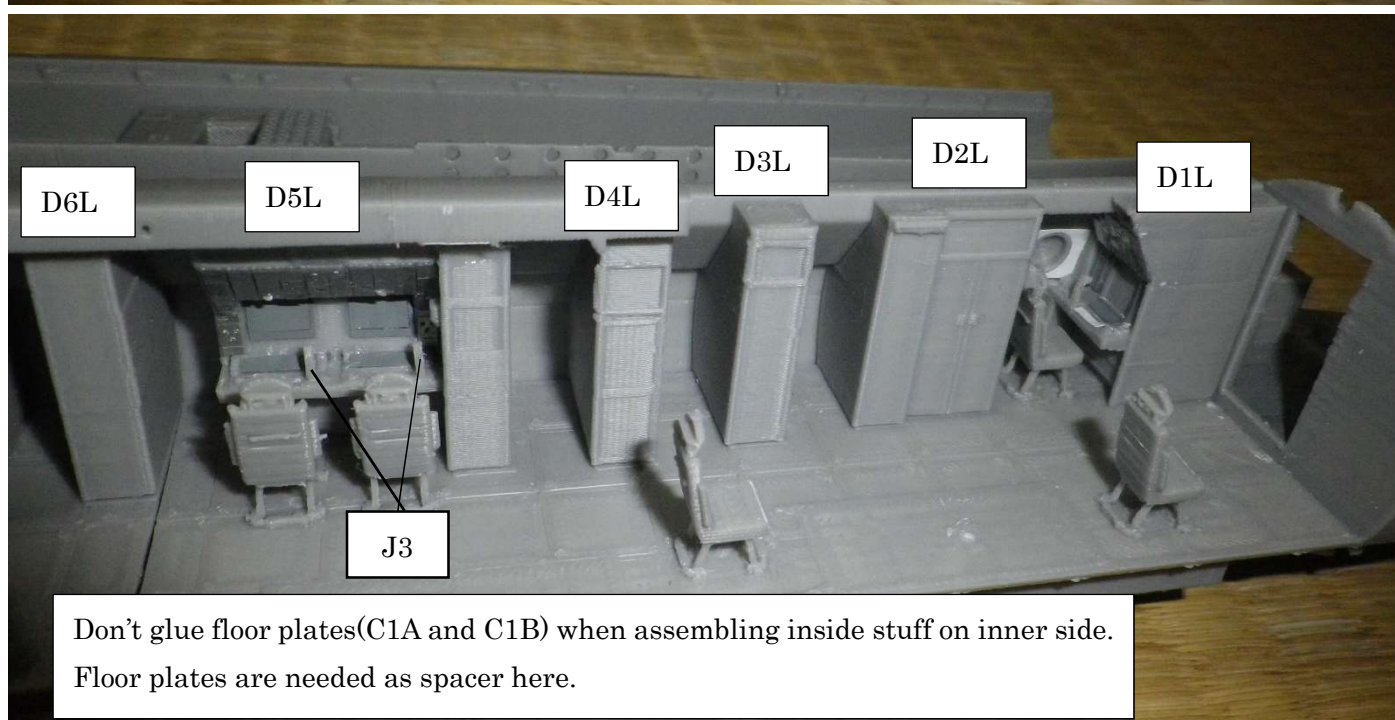
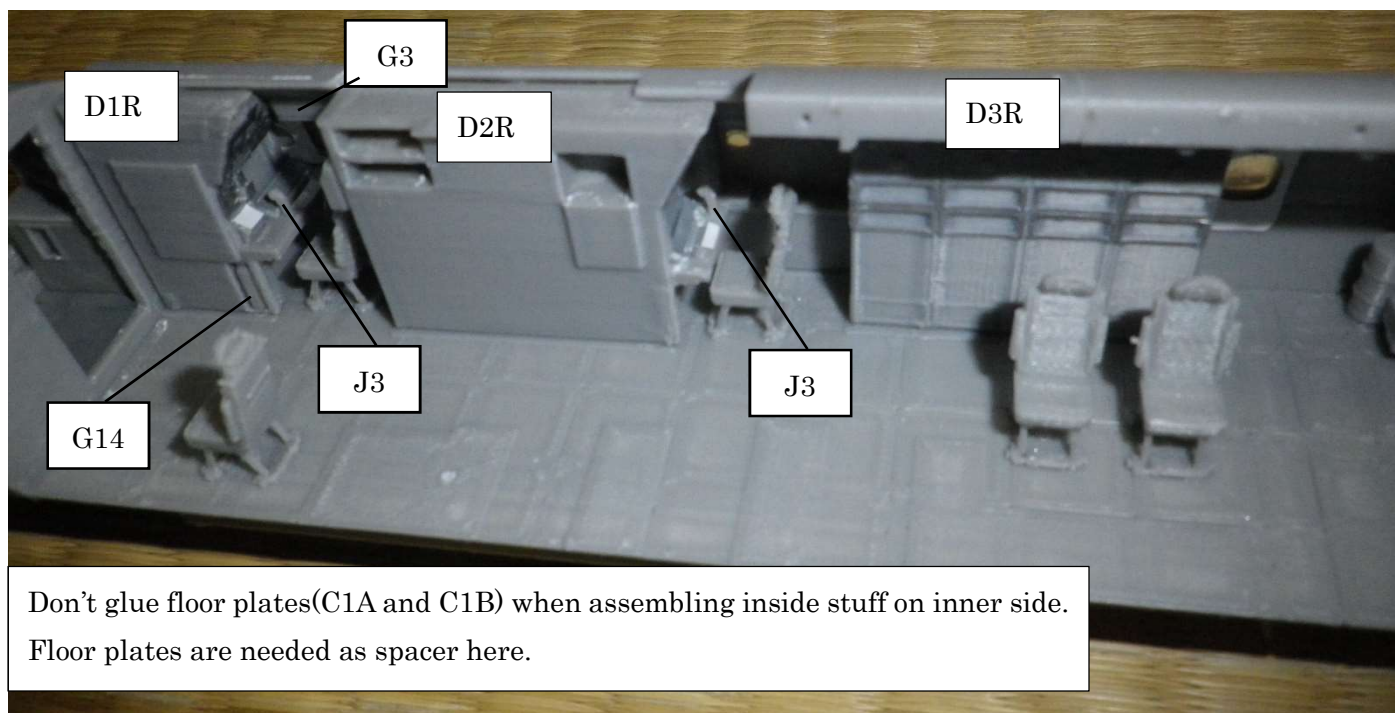
3 inside stuff assembling

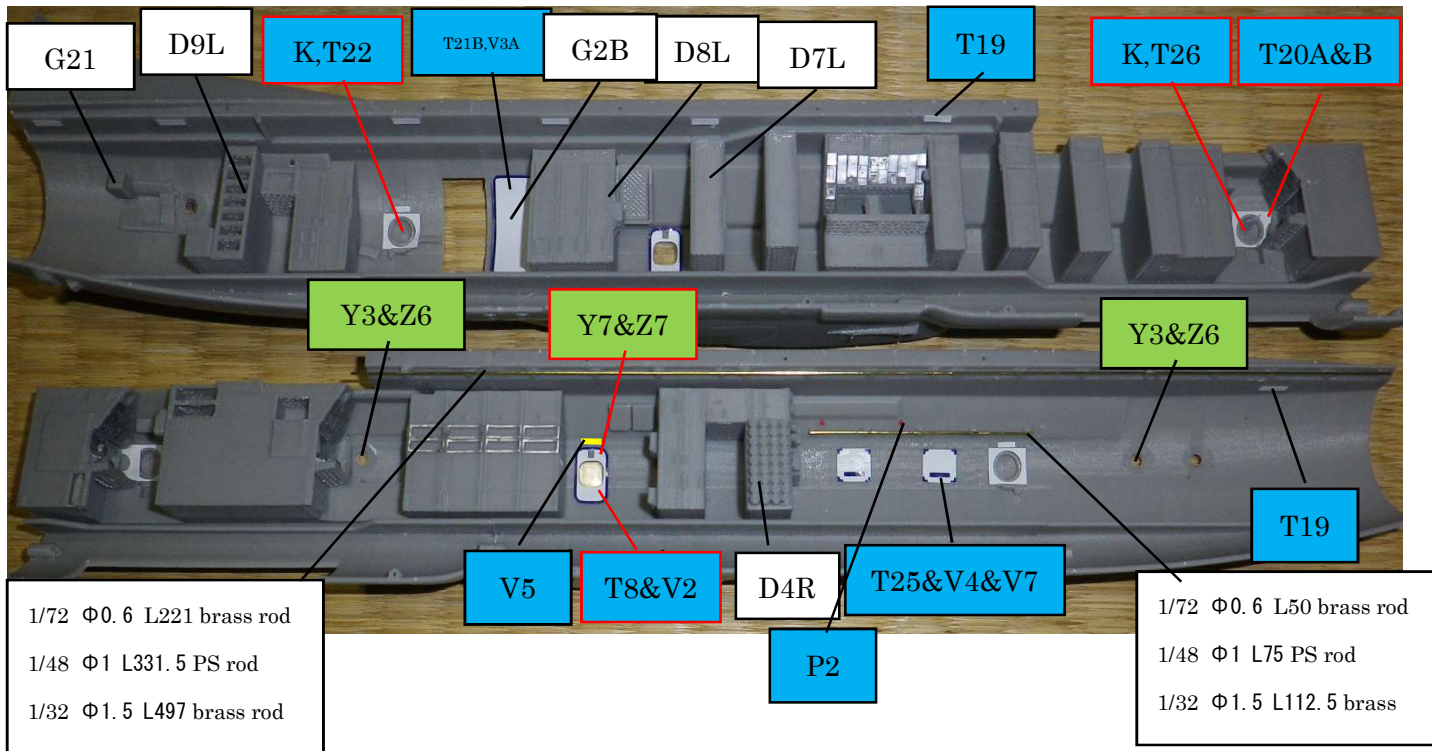
4 Painting inside

5 window assembling **Clear tape is from OUTSIDE and window clear sheet is from INSIDE!!**

6 Sticking inside







Don't glue floor here!! Please use floor as spacer to assemble inside stuff on middle fuselage.

In the above image, red grid line of baloon mean 'vice versa' !!

Y3&Z6: Clear tape is from **INSIDE** and window clear sheet is from **OUTSIDE!!**

Y7&Z7: Clear tape is from **OUTSIDE** and window clear sheet is from **INSIDE!!**

Sticker is paintable. And window masking tape on clear sheet is useful when painting.

Window frame stickers should be on each clear tapes!!

Inside stuff D1L to D8L and D1R to D4R connection

Please use Φ 1 L3 PS, 1/48 Φ 1.5 L6 wire, 1/32 Φ 1.8 L9 bamboo!!

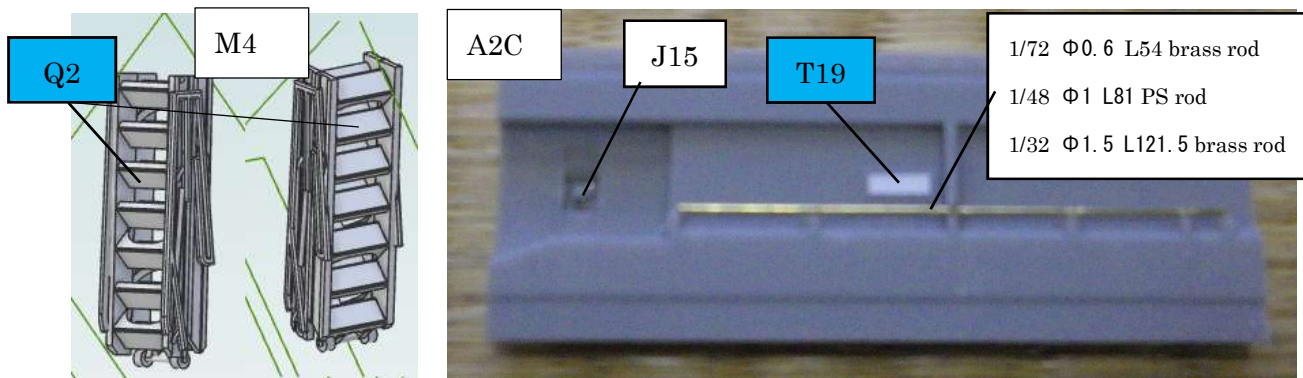
2.6 Main parts connection

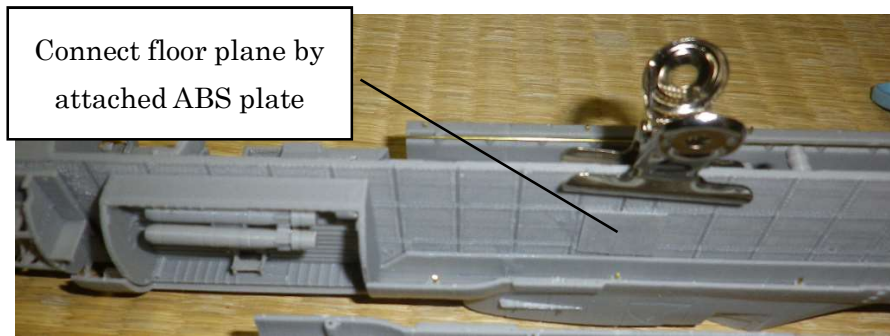
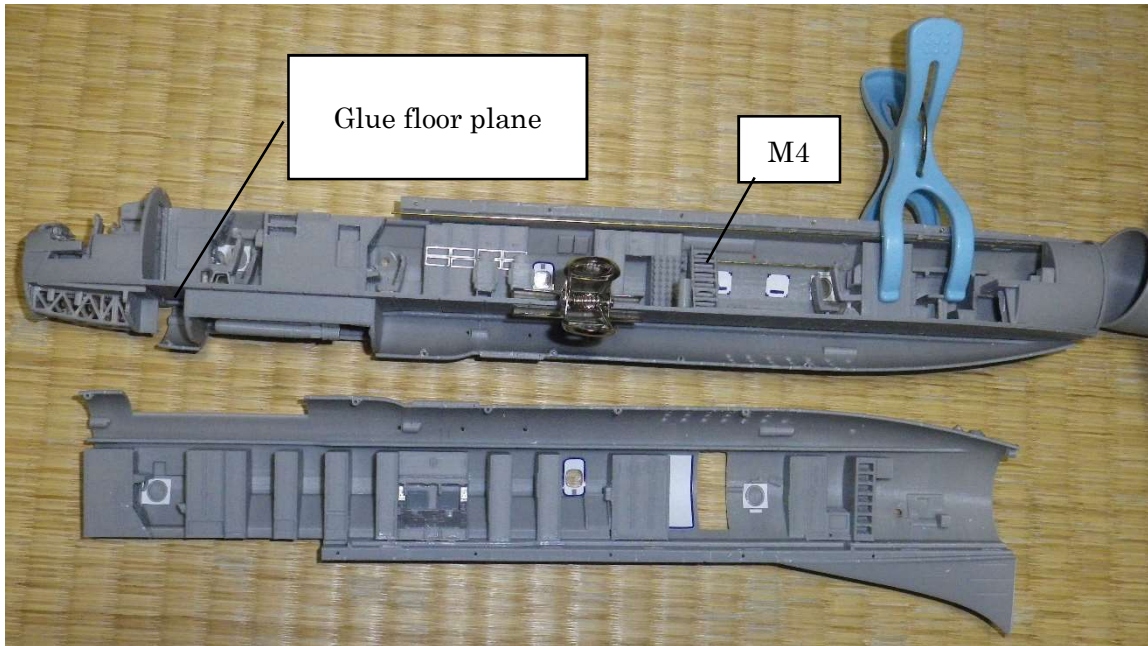
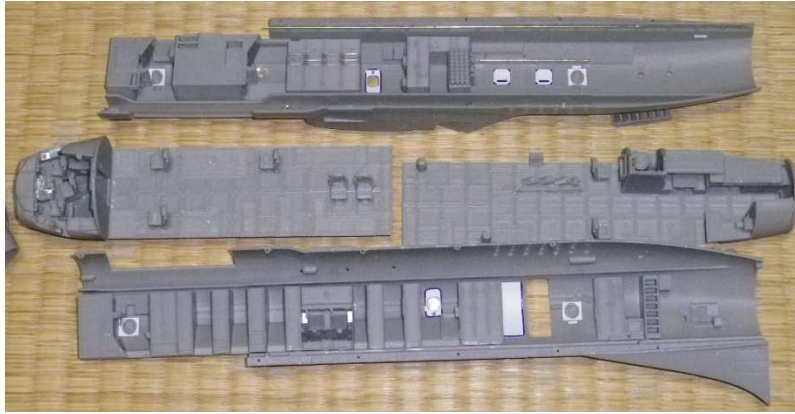
2.6.1 Middle fuselage and inside assembly connection (super glue is better than normal glue!!)

1 floor plates with middle-starboard fuselage

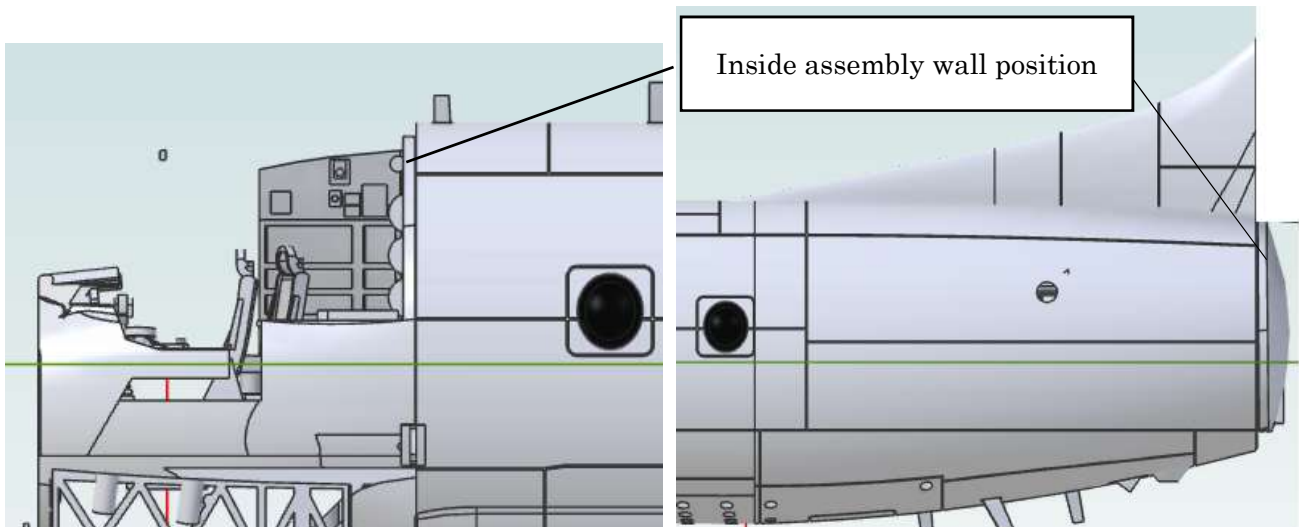
2 middle fuselage connection

Please use Φ 0.9 L4 wire, 1/48 Φ 1.2 L6 wire, 1/32 Φ 1.8 L9 bamboo!!

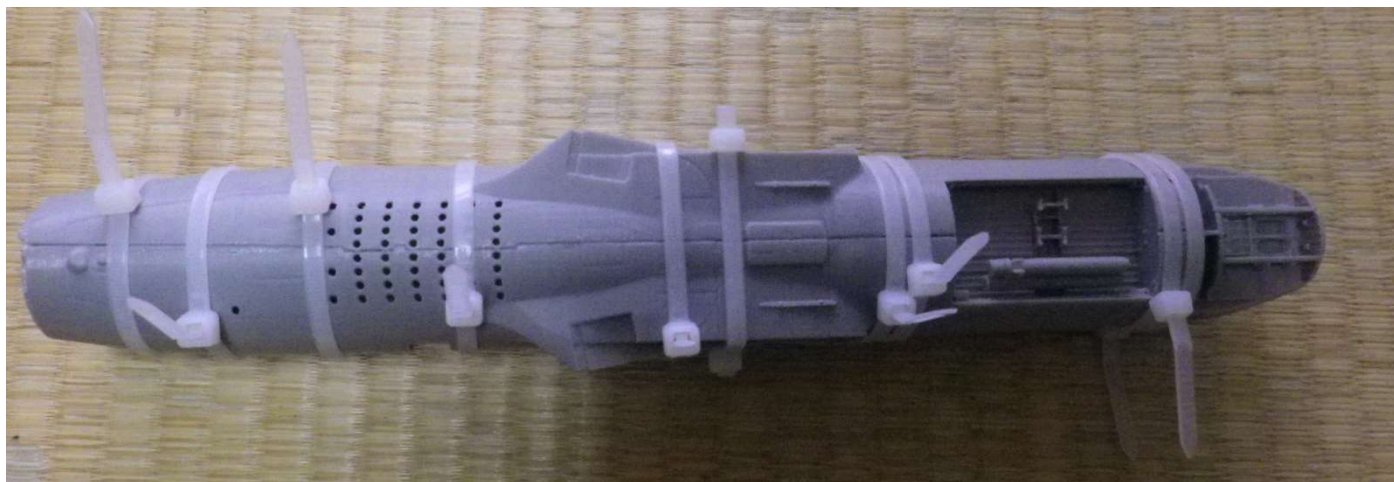




Above image include my failure. Weapons and bomb rack should be AFTER fuselage connection!!



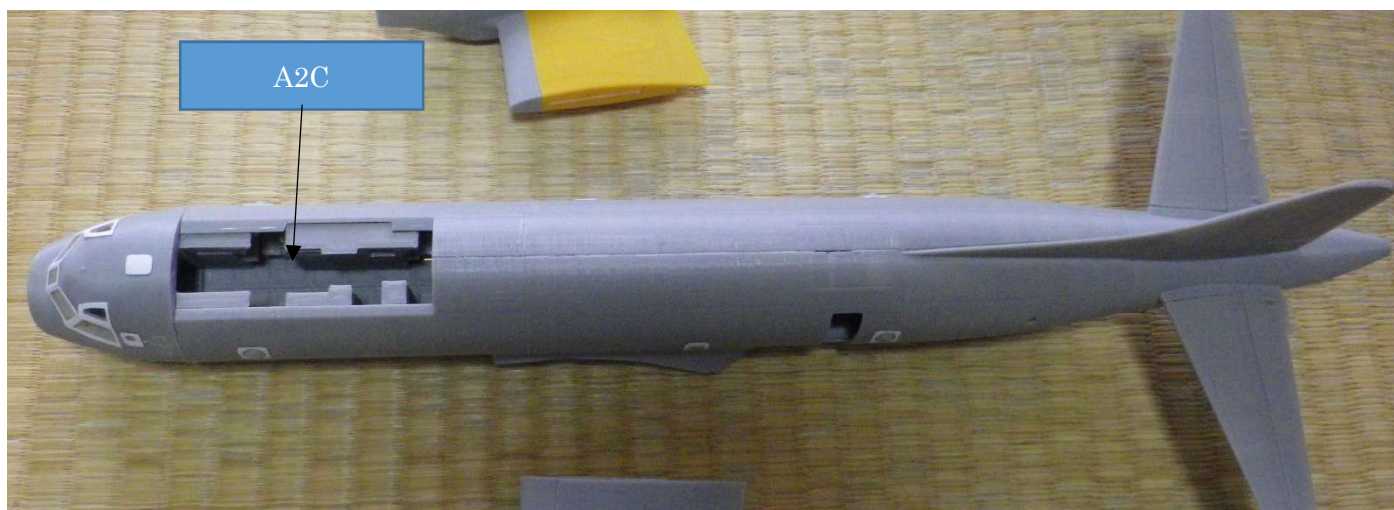
Antenna and parts inside bomb bay should be AFTER fuselage connection, otherwise, it would be broken very easiliy!!



2.6.2 Forward and rear fuselage connection

Please check the fitting among A1A and A2 before gluing.

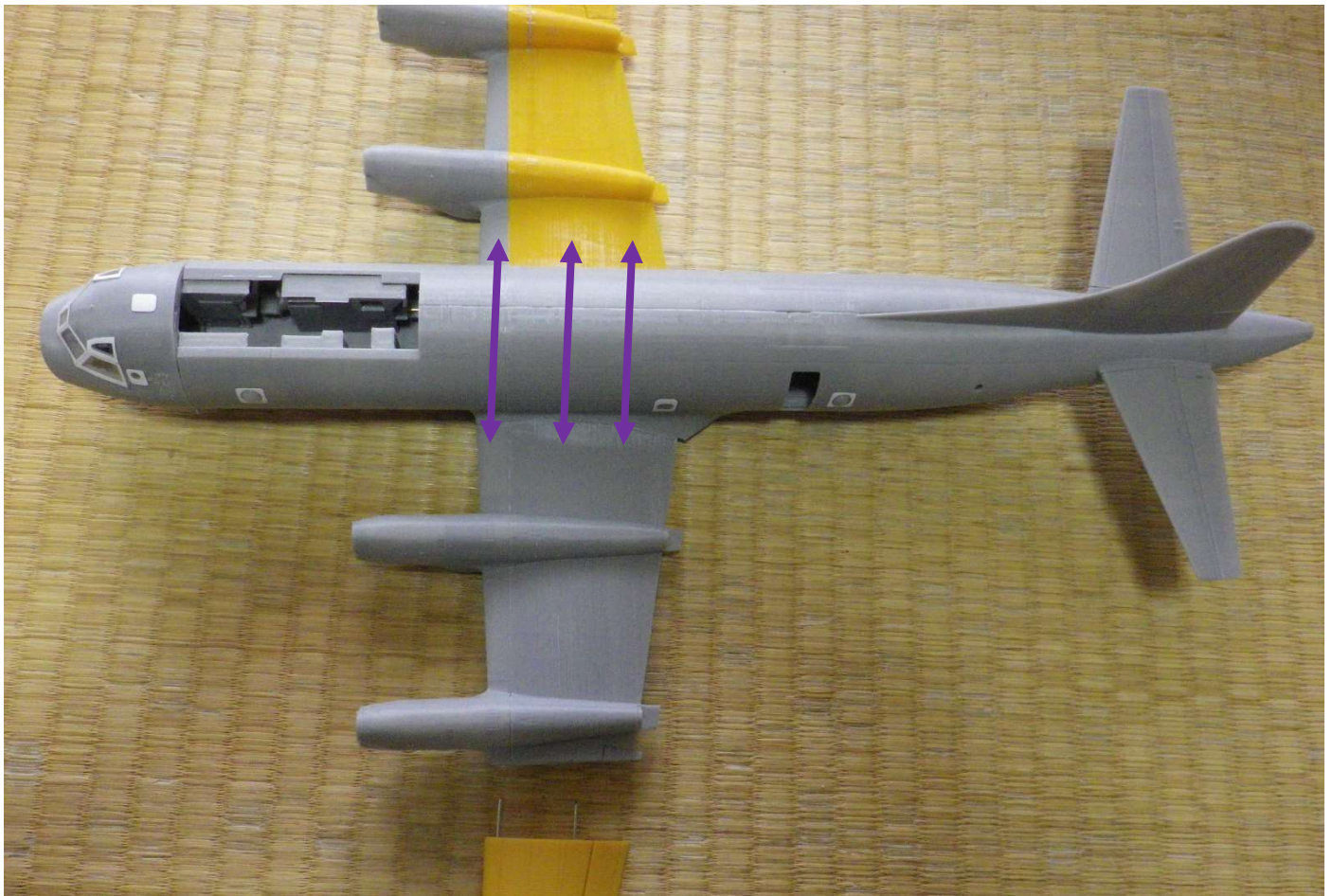
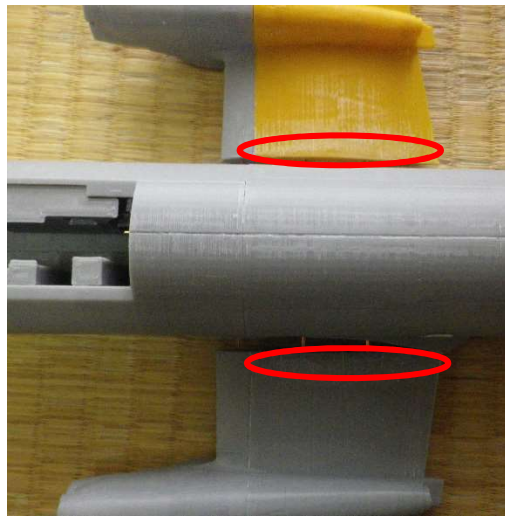
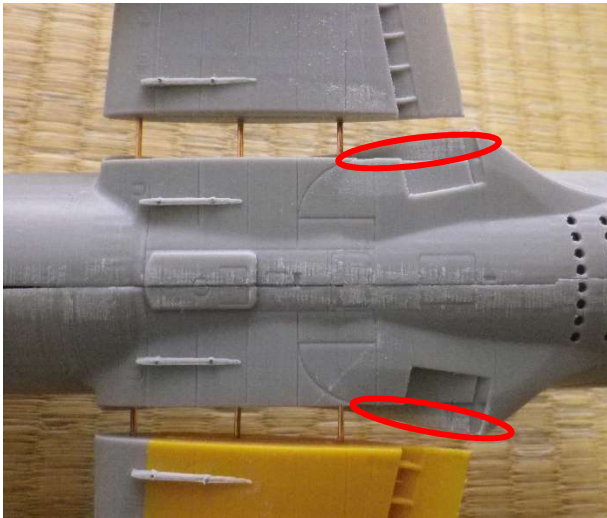
Antenna parts should be AFTER fuselage connection, otherwise, it would be broken very easiliy!!



A2C can be separable even after completion in order to see inside stuff!!

2.6.3 Fuselage and wing connection

Before connection, please sand red surrounded area.

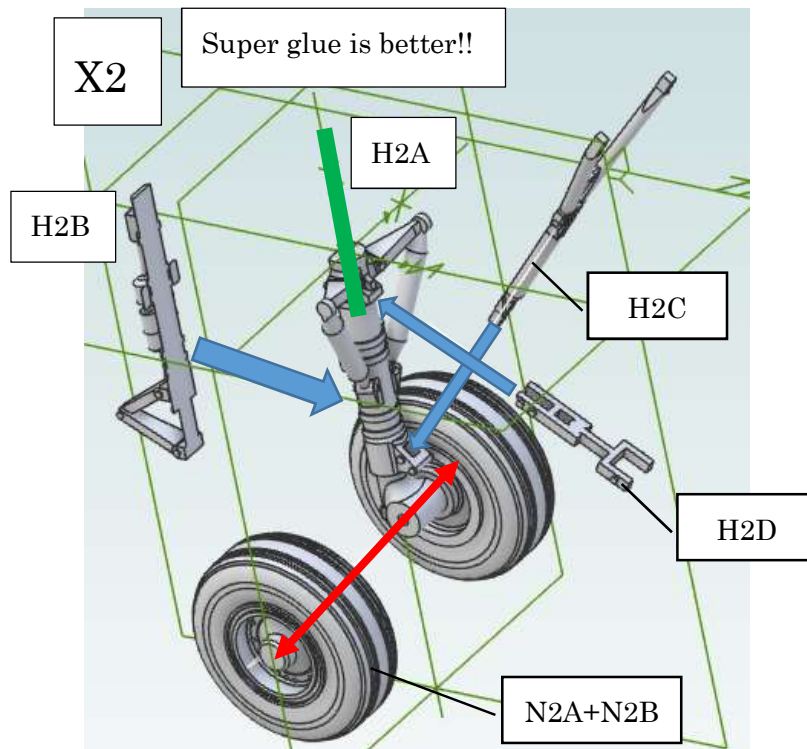


Among the above image '↔' mean $\Phi 1.2$ L70 brass rod, (1/48 $\Phi 1.8$ L100, 1/32 $\Phi 3$ L150) bamboo

A2C can be separable even after completion in order to see inside stuff!!

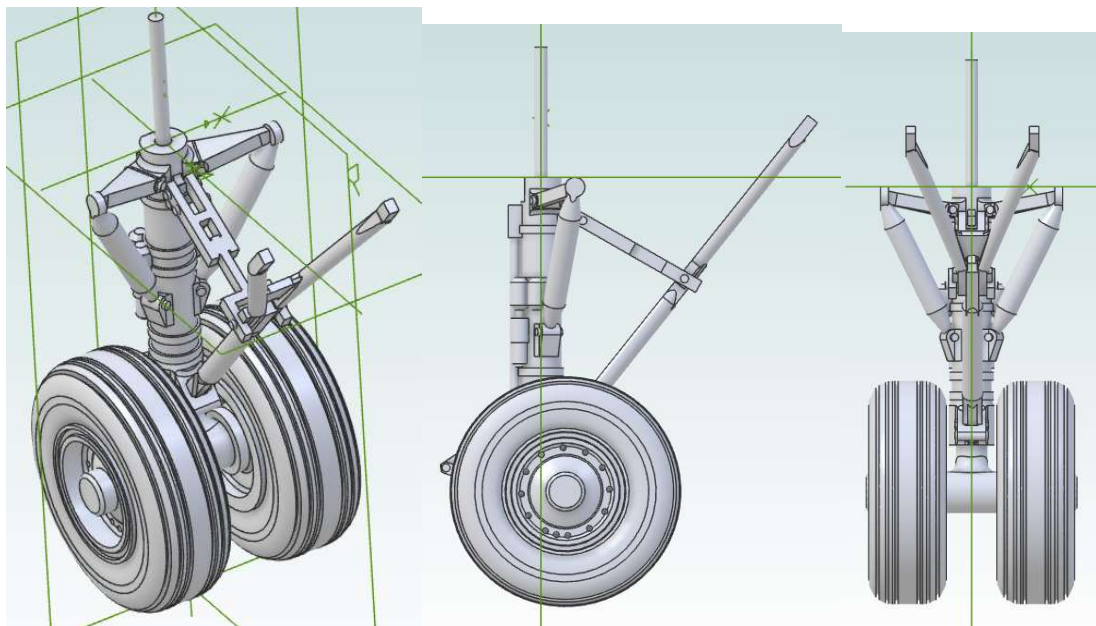
2.7 accessories

2.7.1 undercarriage assembly

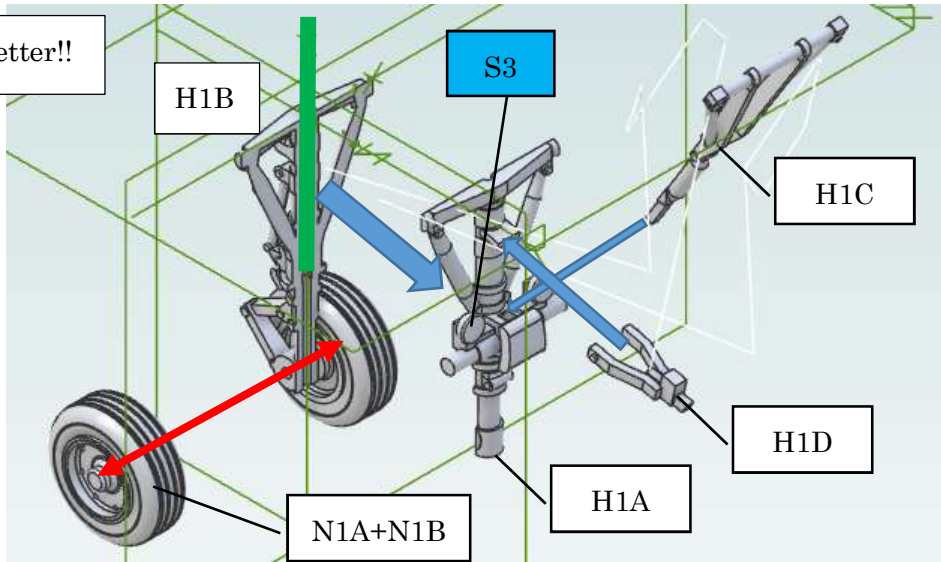


Among the above image ‘-’ mean ($\Phi 0.9$ L20, 1/48 $\Phi 1.2$ L30) wire, 1/32 $\Phi 1.8$ L45 bamboo

‘ \longleftrightarrow ’ mean ($\Phi 0.8$ L10, 1/48 $\Phi 1.2$ L15) brass rod, 1/32 $\Phi 1.8$ L22.5 bamboo

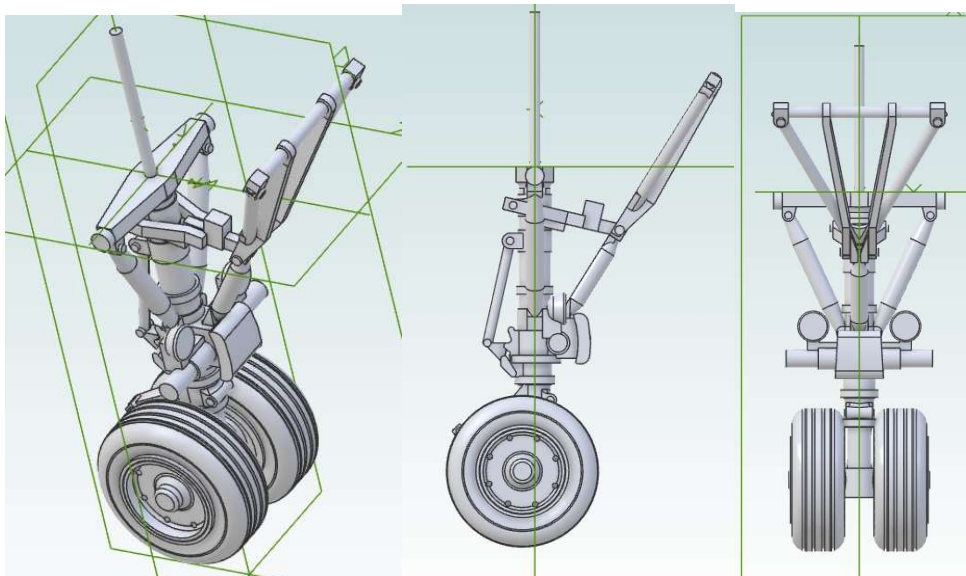


Super glue is better!!

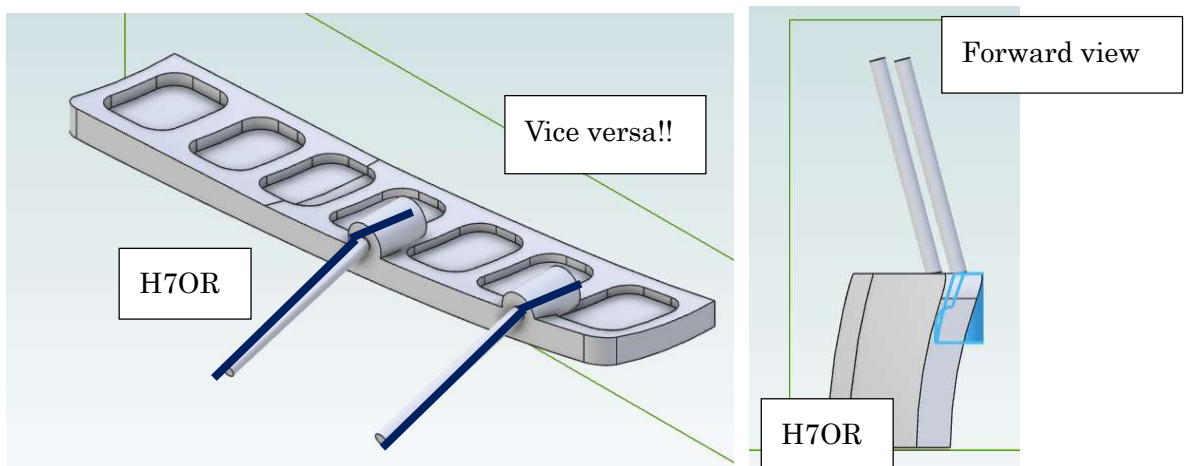


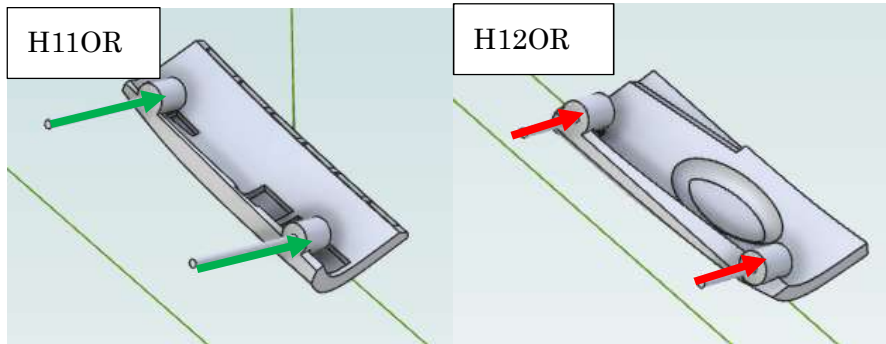
Among the above image ‘-’ mean $\Phi 0.9$ L20 wire, $1/48 \Phi 1.2$ L30 wire, $1/32 \Phi 1.8$ L45 bamboo

‘↔’ mean $\Phi 0.8$ L8 brass rod, $1/48 \Phi 1.2$ L12 brass rod, $1/32 \Phi 1.8$ L18 bamboo

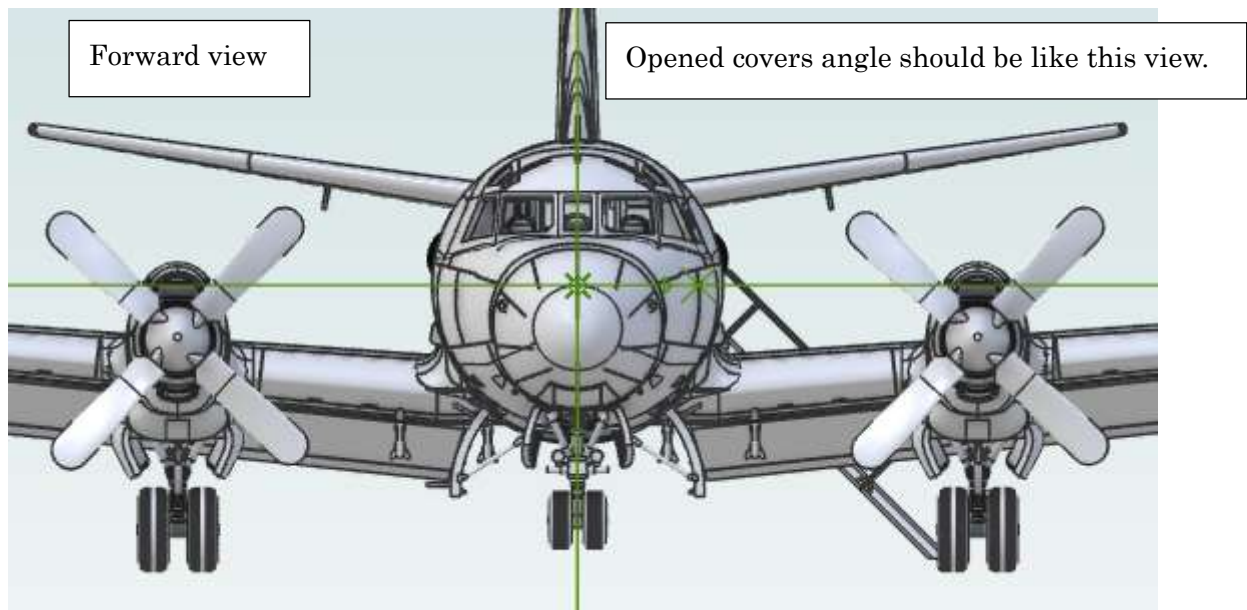
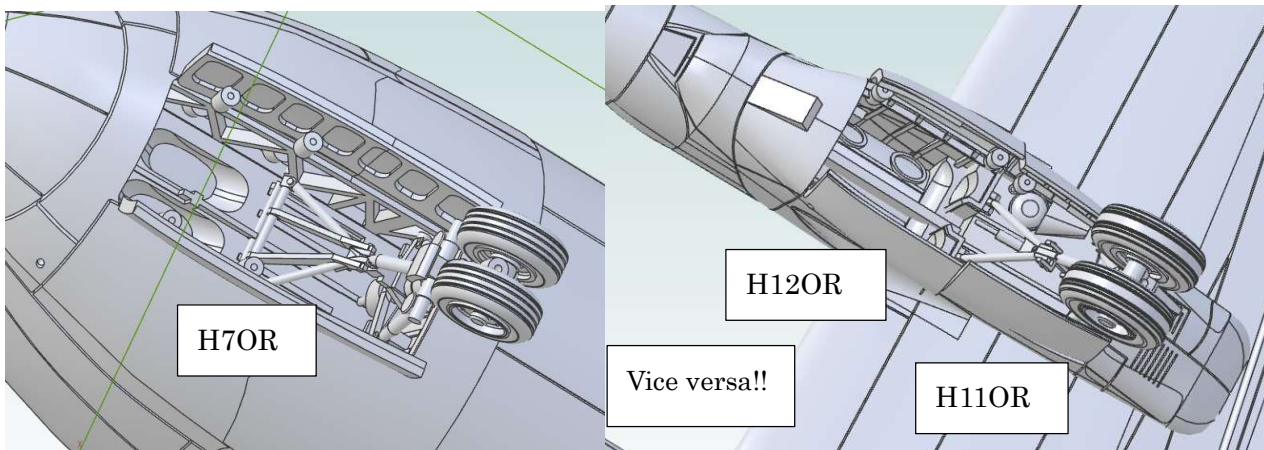


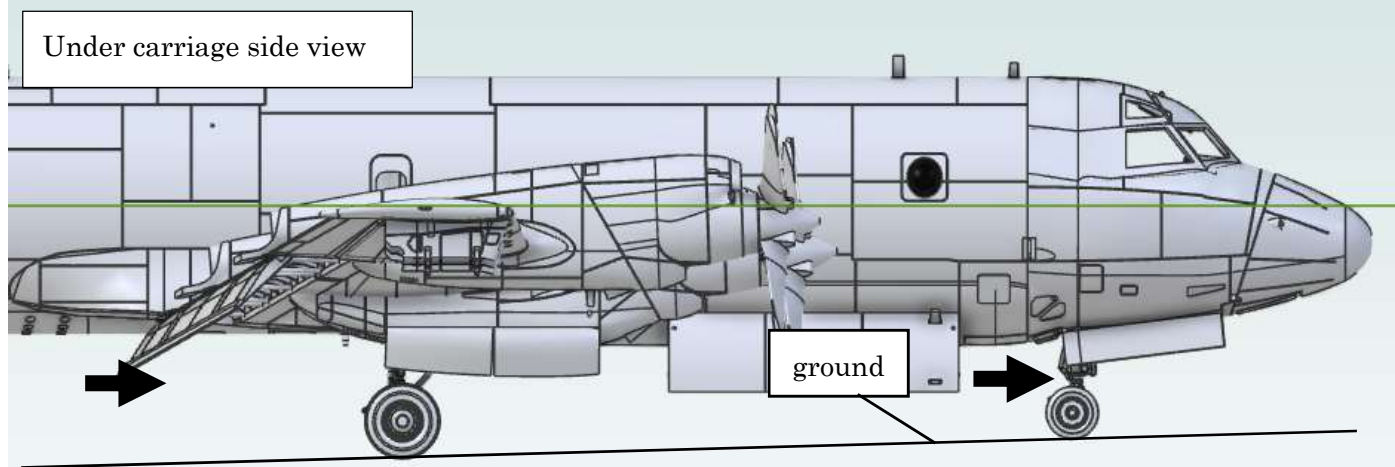
2.7.2 undercarriage cover assembly (opened position)



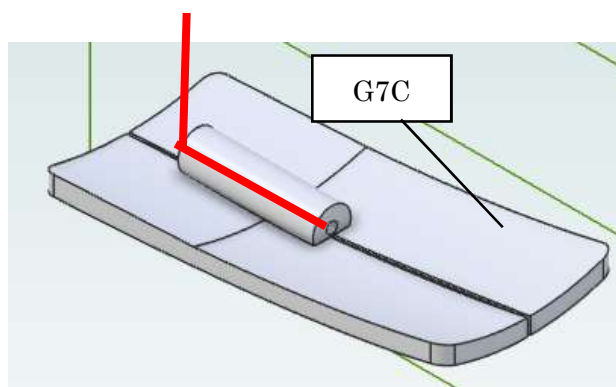
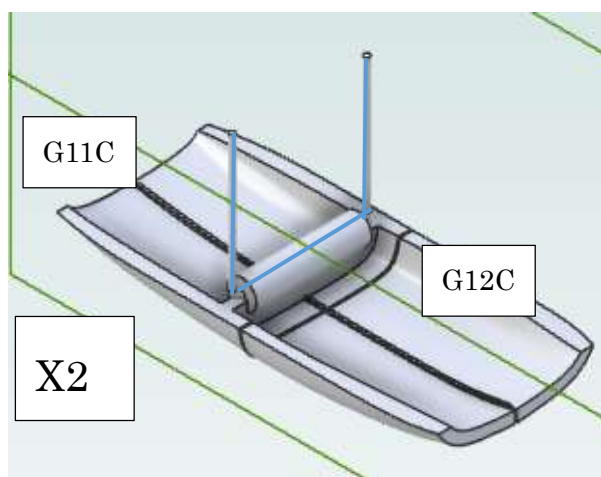


Among the above image '—' mean ($\Phi 0.6$ L11, $1/48 \Phi 0.8$ L16.5, $1/32 \Phi 1.2$ L25) brass rod
'→' mean ($\Phi 0.6$ L11, $1/48 \Phi 0.8$ L16.5, $1/32 \Phi 1.2$ L25) brass rod
'→' mean ($\Phi 0.6$ L5, $1/48 \Phi 0.8$ L7.5, $1/32 \Phi 1.2$ L11) brass rod





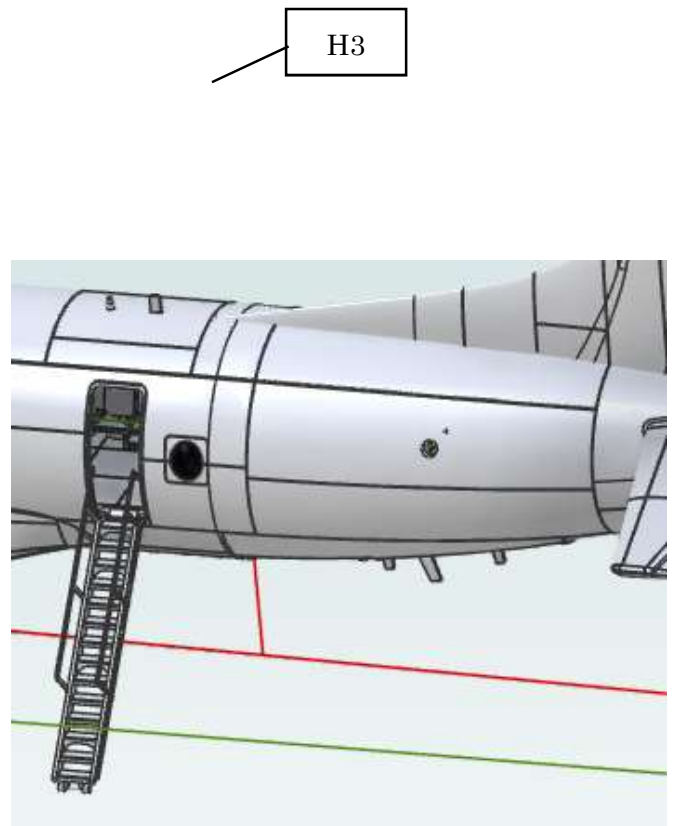
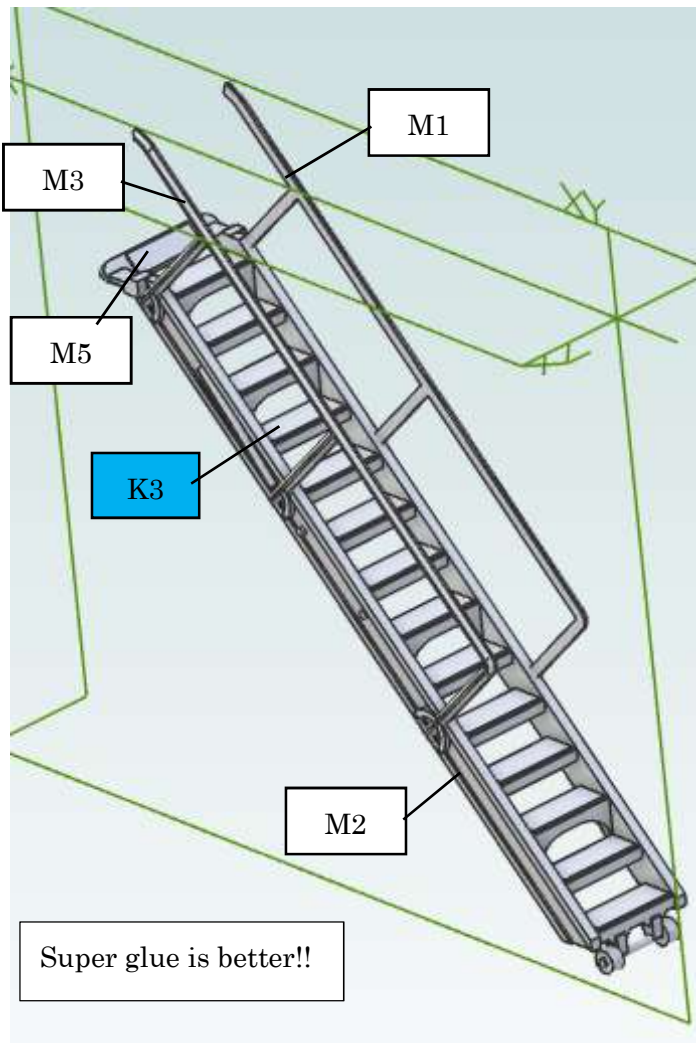
2.7.3 undercarriage cover assembly (closed position)



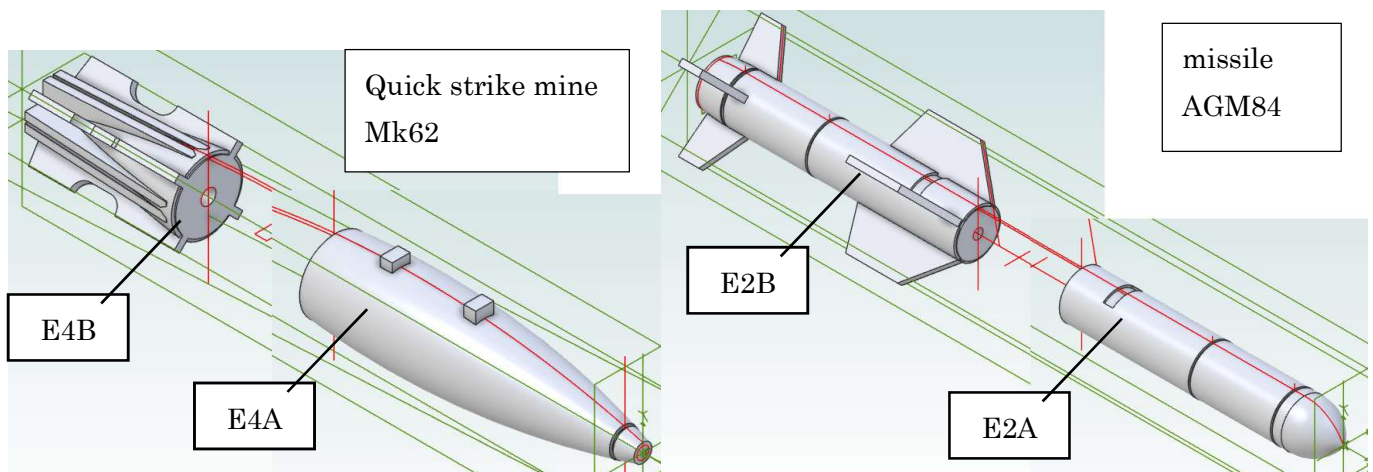
Among the above image '—' mean ($\Phi 0.6$ L29, $1/48 \Phi 0.8$ L43.5, $1/32 \Phi 1.2$ L65) brass rod
 '—' mean ($\Phi 0.9$ L25, $1/48 \Phi 1.2$ L37.5, $1/32 \Phi 1.8$ L56) wire

Vice versa!!
 G11C+G2C

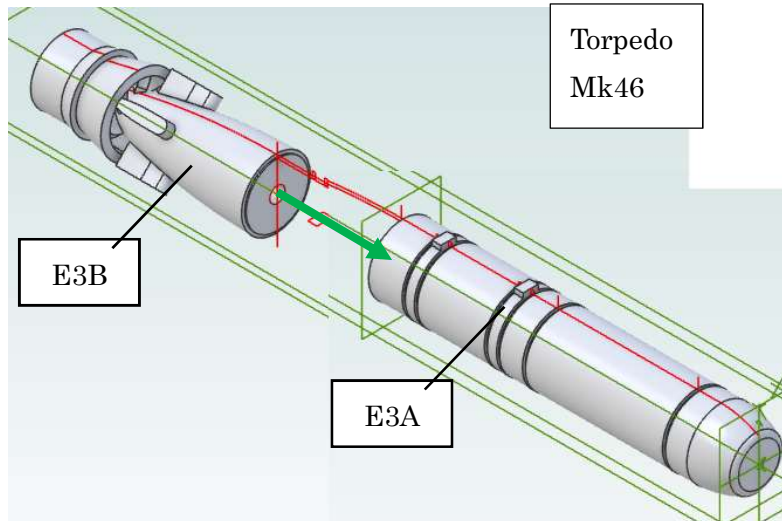
2.7.4 rampway (opened ver.)



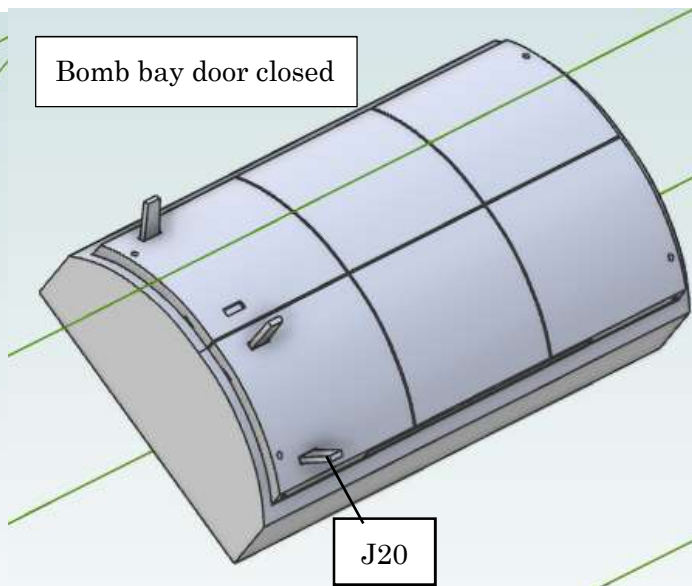
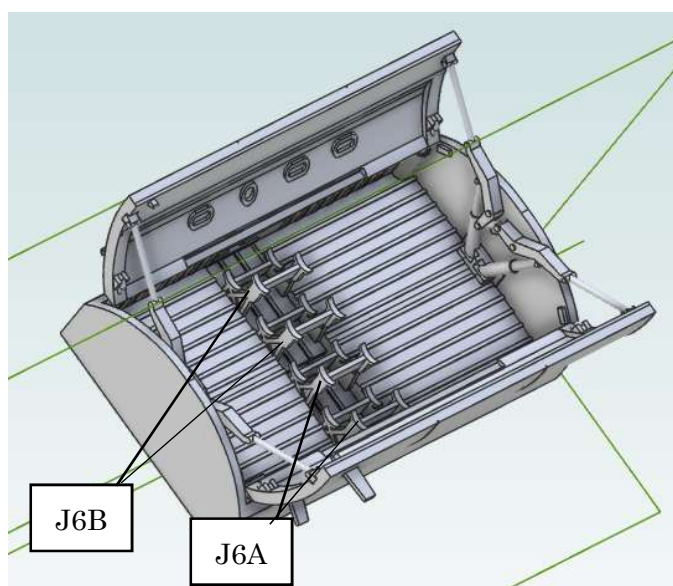
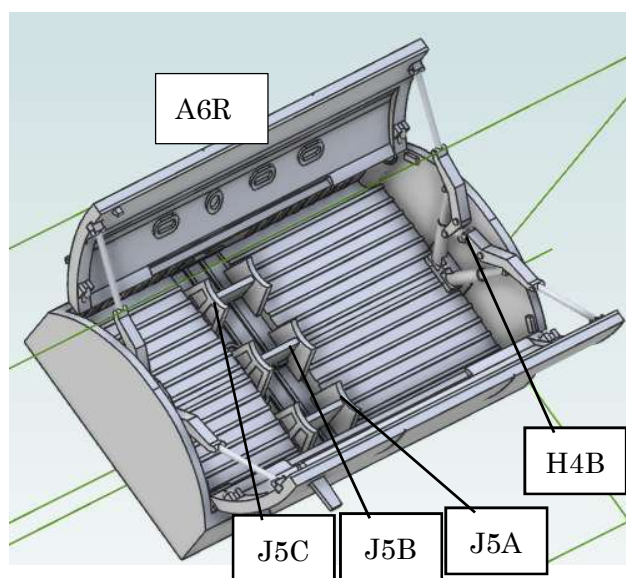
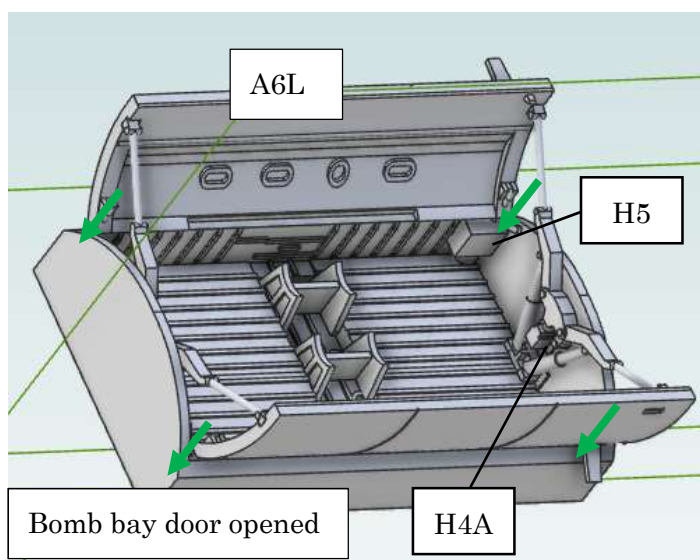
2.7.5 bomb bay, pylon, weapon etc



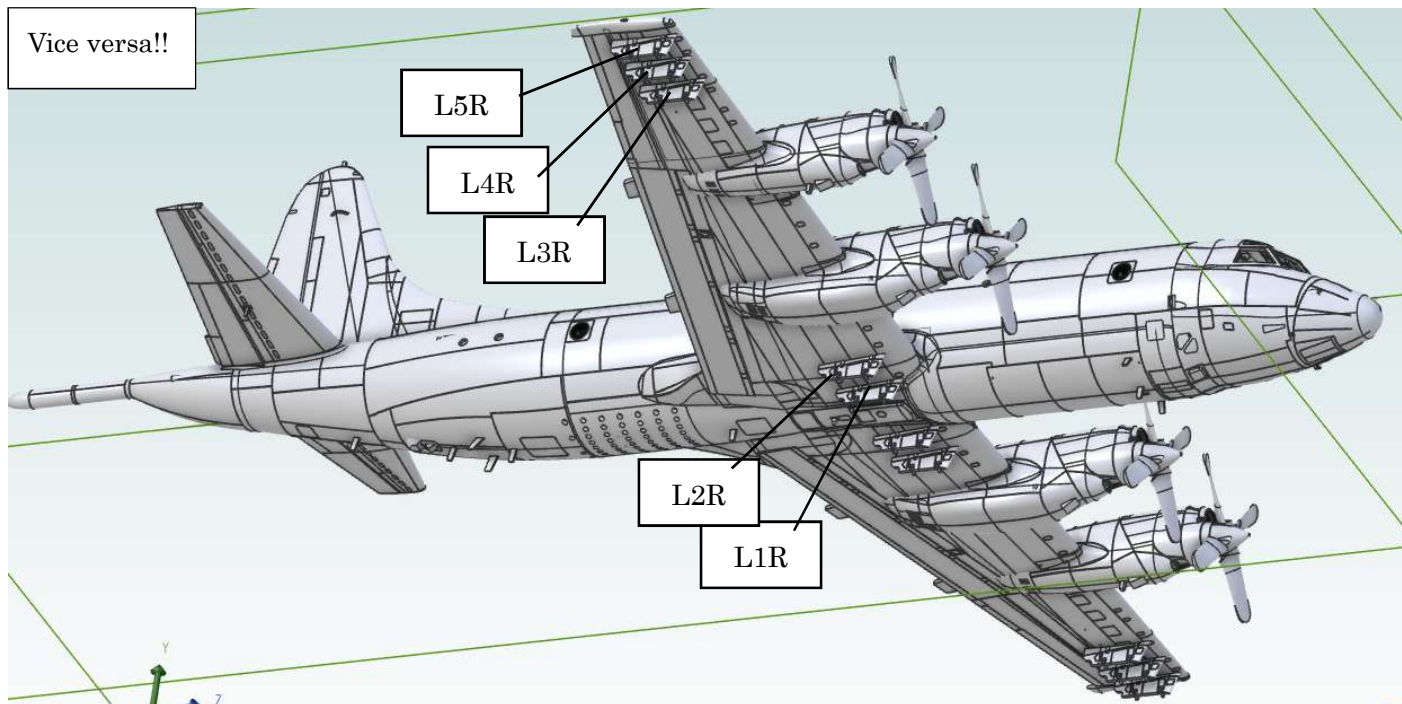
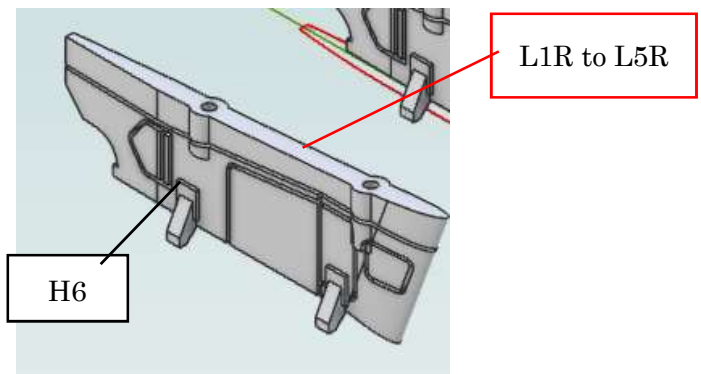
Among the above image, '→' mean $\Phi 1$ L3 PS rod, (1/48 $\Phi 1.5$ L4.5, 1/32 $\Phi 2.5$ L7) wire



Among the above image, '→' mean $\Phi 1$ L3 PS rod, ($1/48\Phi 1.5$ L4.5, $1/32\Phi 2.5$ L7) wire



Among the above image, '→' mean $\Phi 0.8$ L8 brass, ($1/48\Phi 1.2$ L12 brass, $1/32\Phi 1.8$ L18 bamboo) rod



Please use ($\Phi 0.55$ L5, $1/48 \Phi 0.9$ L7.5, $1/32 \Phi 1.2$ L11) wire to attach pylon parts.

Example: Opposite of L1R is L2R.

2.7.6 Antenna, props, etc

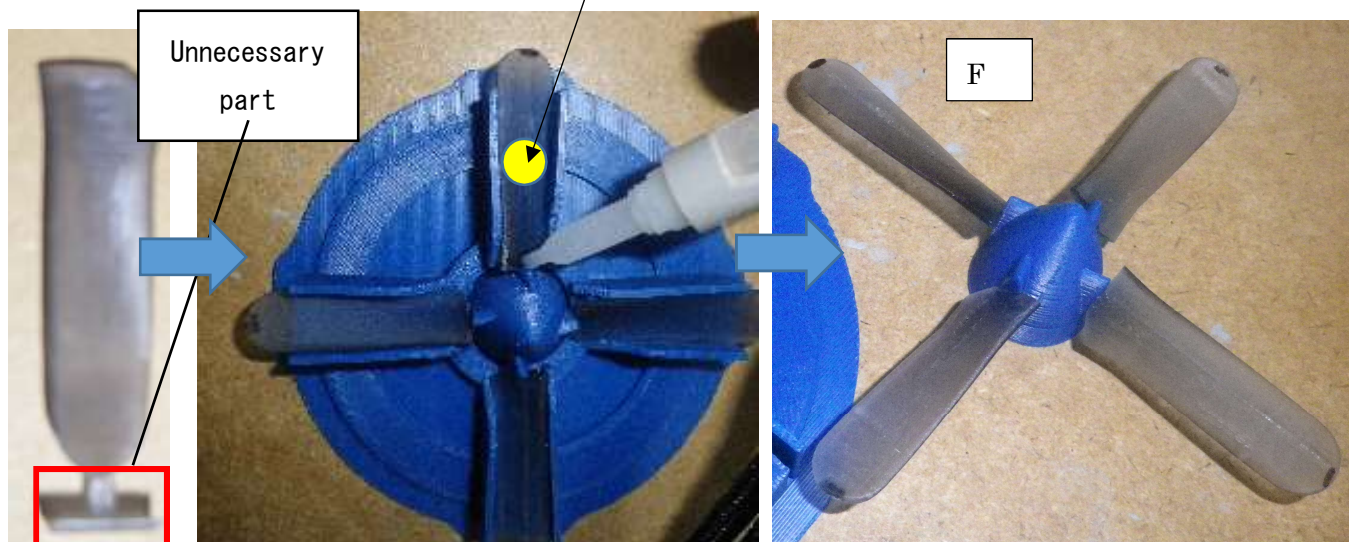
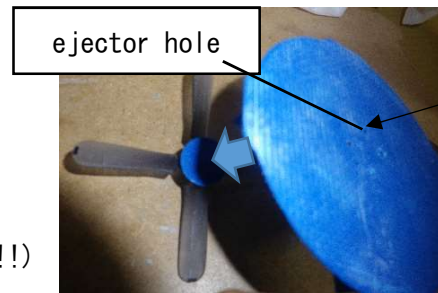
Please make 4 props like following process.

A burr removal F1, F2, prop jig

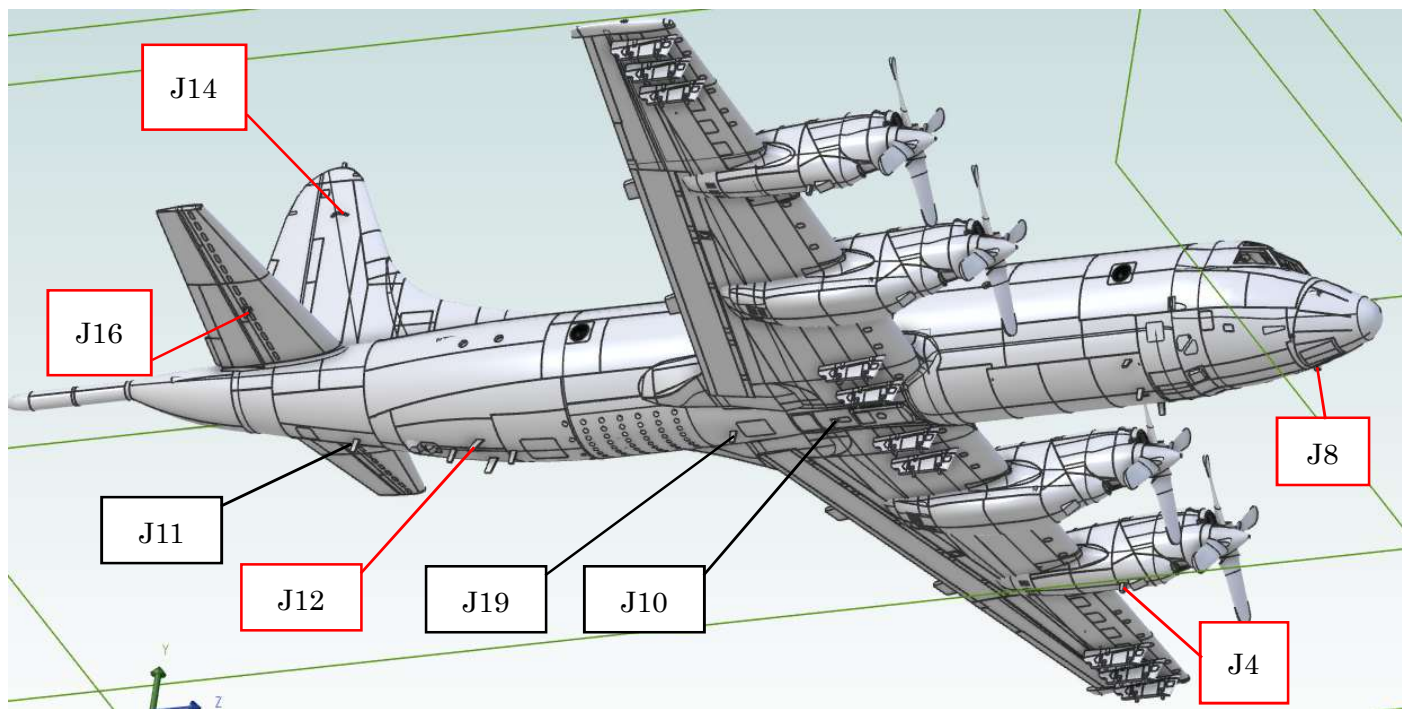
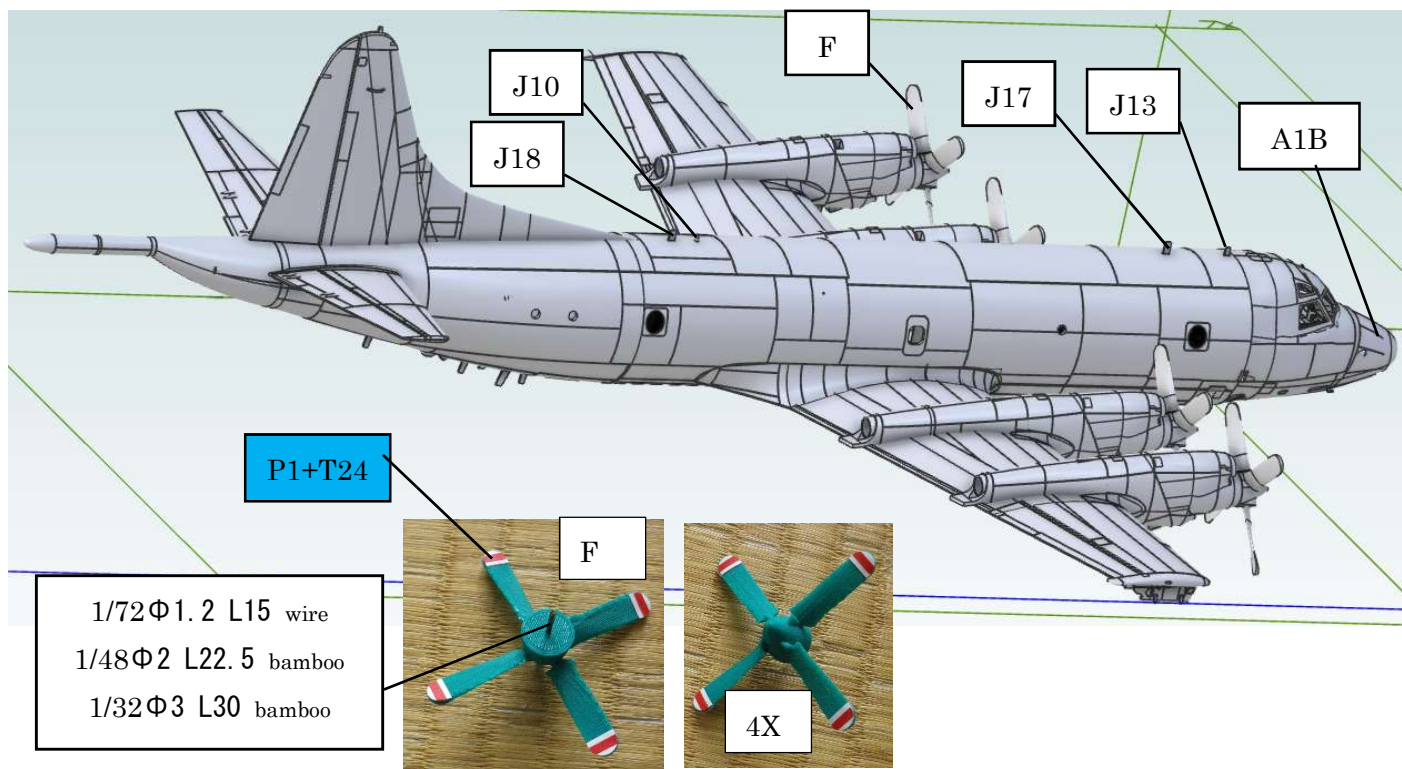
B arrange F1 and F2 on the jig carefully

C Glue them by superglue (please hold prop blade to prevent discrepancy!!)

D eject the prop assembly

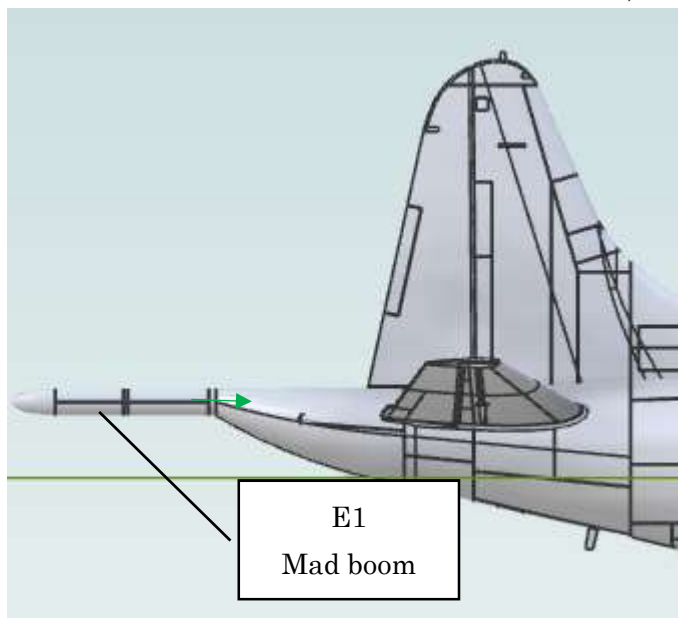


Please use ($\Phi 0.9$ L5 wire, $1/48 \Phi 1.2$ L7.5 wire, $1/32 \Phi 1.8$ L11 bamboo) to attach A1B.



Optional antenna: J9, H21

In the above image, red grid line of balloon mean 'vice versa' !!



Among the above image, '→' mean ($\Phi 1.2$ L5 brass rod, $1/48\Phi 1.8$ L7.5 bamboo, $1/32\Phi 3$ L11 bamboo)
The sensitive mad boom position is very important to erect patrol aircraft!!

2.8 Outside painting and sticking

· This kit does not include outside particular USN squadron's stickers. And I can't afford to make small stickers. And I don't know of P-3C markings well!! Please paint your favorite color!!

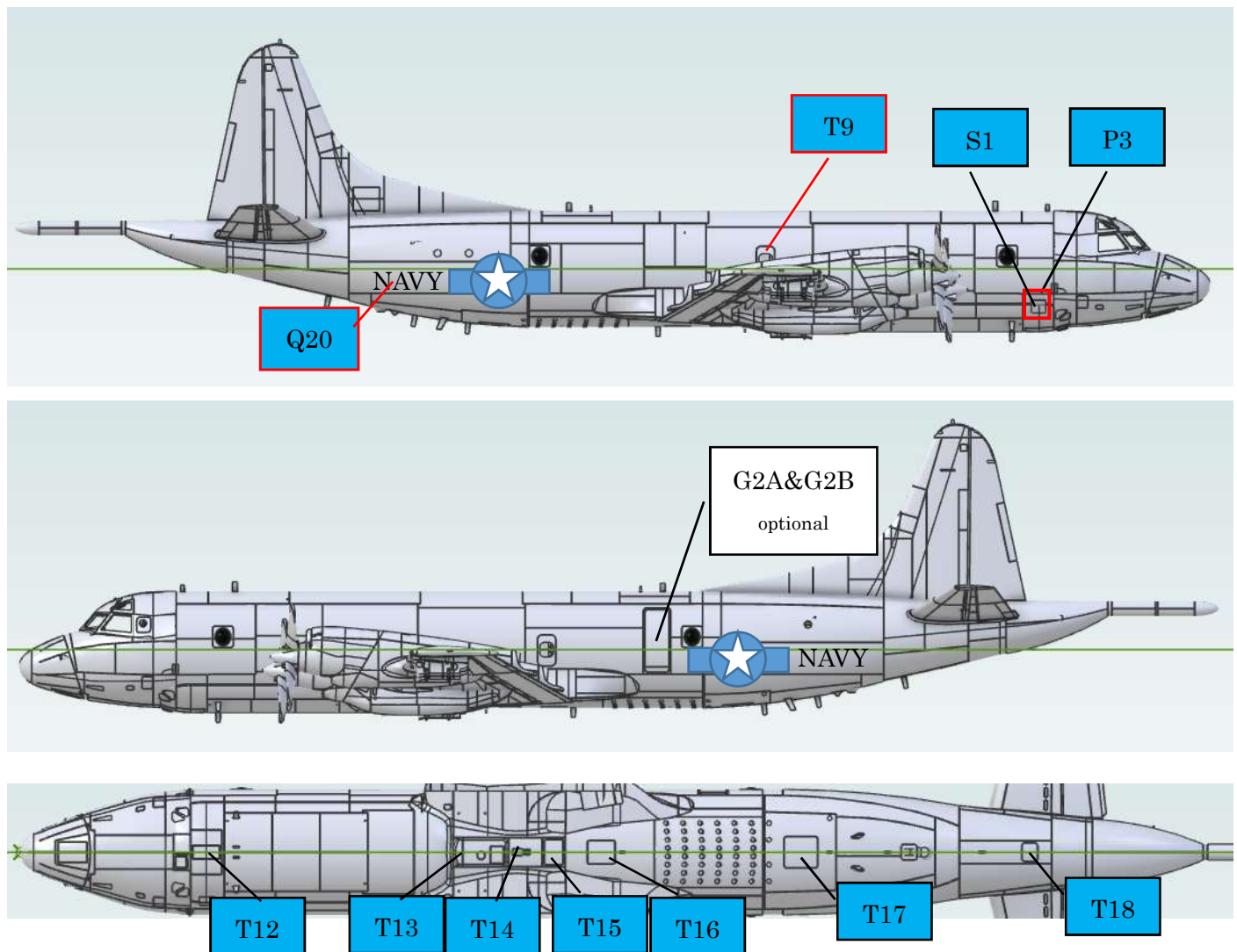
· My 2D plotter cannot make complicated or too small stickers!!

Please refer following links to search P-3C color.

[Aviation Photo Search | Airliners.net](#)

[AirHistory.net - type_generic=Lockheed P-3 Orion](#)

[P-3 Orion Photos and Pictures - AirTeamImages.com](#)



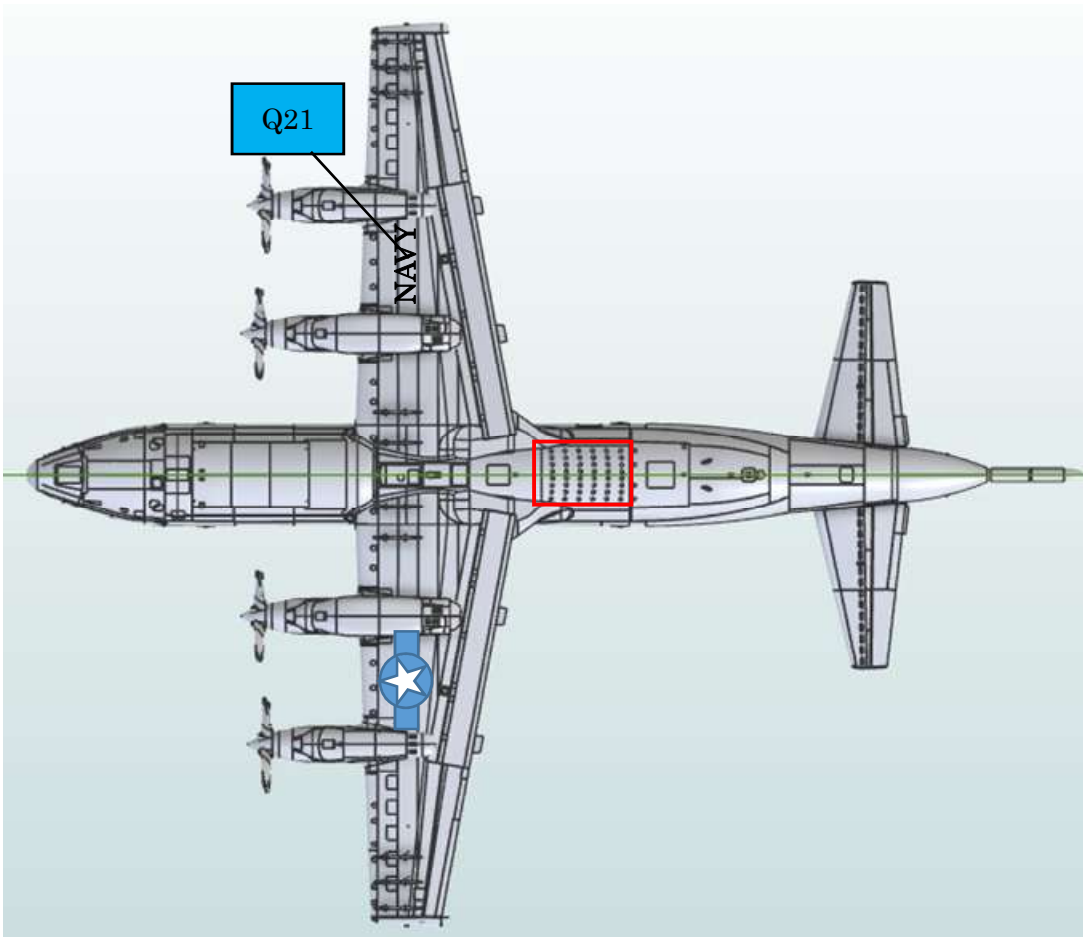
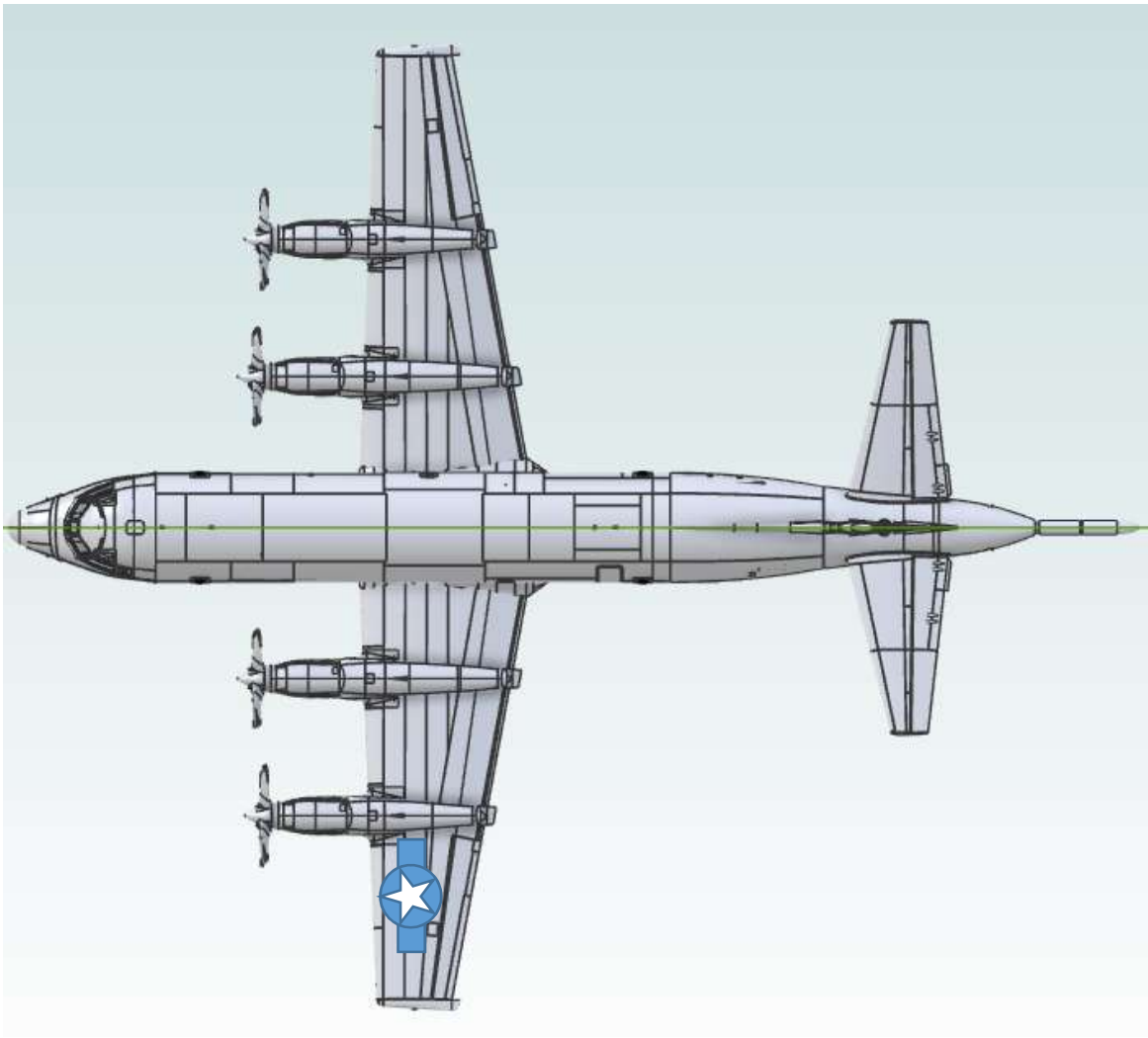
In the above image, red grid line of balloon mean 'vice versa' !!

Closed ver. doors: G2A&G2B

Stickers 'T21A, T21B, V3A, V3B' should be on reverse side of the 'G2A&G2B' !!

I attached these outside stickers.

1. USN mark stickers: P6 and U should be on W.
2. NAVY mark: Q20, Q21
3. Yellow arrow: V6
4. Exit frame mark: V8
5. Red line: P4



Finally, the Orion is erected very hard!!

