

# Fine Structure Model

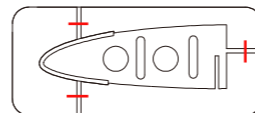
## 1/32 desktop

# MUSTANG

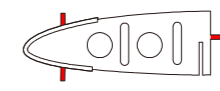
### エッチングパーツについて/Notes on etching parts

- 各パーツをランナーから切り離す際の注意事項
- Notes on cutting parts off from runners

切り離しにはエッチングハサミ、カッター等をご使用下さい。  
Use scissors designed for photo etched parts.



切り離しによるパーツの変形を防ぐ為、切り離しはパーツから少し離れた位置で行って下さい。  
Cut runners far enough from the part to avoid deformation.

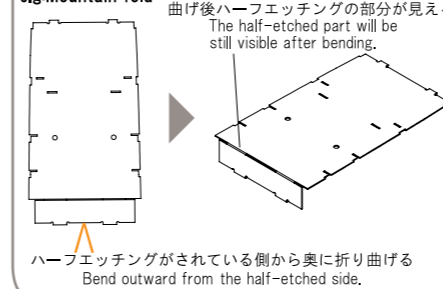


パーツに残ったランナーは、金ヤスリで整えて下さい。  
Clean up remaining runners with a file.

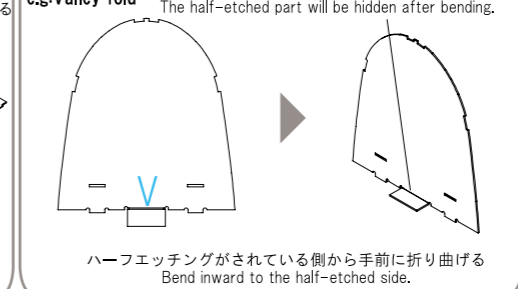
- お客様で曲げ加工が必要なパーツがあります。●You will need to bend some parts by yourself.
- 曲げ箇所には下記の様な指示があります。●There are types of bending instructions as shown below.

※指示とは別に組み合わせの際、パーツ同士の形状を調整する必要があります。

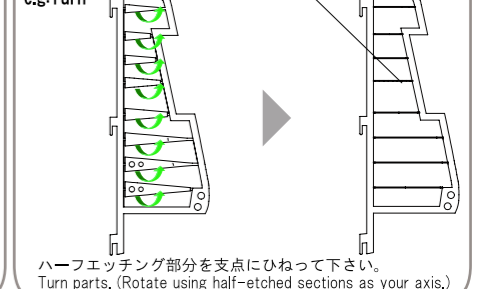
#### 例:山折り e.g:Mountain fold



#### 例:谷折り e.g:Valley fold



#### 例:ひねり e.g:Turn



#### 注意

#### Note

- 曲げるには指で曲げずにエッチングベンダー等の工具を使用して下さい。
- 曲げ戻しをすると切り離されることがありますのでご注意ください。
- Use tools, not your fingers, such as a photo etched bender.
- Do not bend too many times as this will cut the part.

### ホワイトメタルパーツについて/Notes on white metal parts

- 各パーツのバリ、パーティングライン、ゲートぐちが、外観の目立つ場所や接着面、組立てに支障のある所にある場合、パーツの形状を崩さないように注意して金ヤスリ又は、紙ヤスリで整えて下さい。
- Any prominent burrs, parting lines or gates of each part that may cause disfigurement or interfere with assembly should be cleaned up with files or sandpaper without deforming the original shape.

#### バリ/Burr

パーティングラインや穴の周りなどに発生する余分な部分  
An unwanted edge left on parts around parting lines, holes, etc.

#### パーティングライン/Parting line

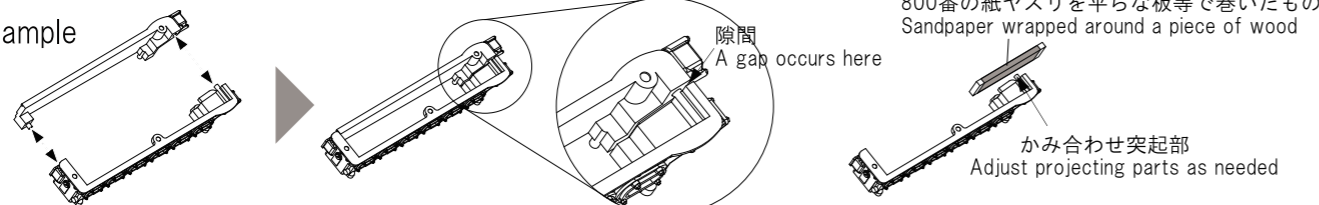
パーツを成形するための型の合わせ目  
A corresponding line or seam appearing on a molded part

#### ゲートぐち/Gate

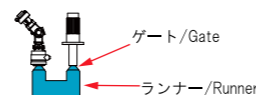
パーツ成形時の材料注入口  
A channel which carries molten metal into a mold

- パーツを接着する前には必ず仮組みをして、接着面がぴったりと合うことを確認して下さい。もしバリや段差、穴詰まりなどがある場合は、金ヤスリや紙ヤスリ、ピンバイスなどで取り去ってから接着して下さい。
- Test fit parts before gluing to ensure the parts fit neatly against each other. Before gluing, remove burrs, gaps or clogs with tools such as a file, sandpaper and a pin vice as needed.

#### 例/Example



- ホワイトメタルパーツは製法上、その場所によりダボ穴を深く入れることが出来ない場合があります。ダボ穴が浅い場合は、ピンバイスでダボ穴を深く入れて下さい。
- 接着剤は、金属用の瞬間接着剤(液状)を使用して下さい。
- パーツリストにあるパーツの中で、青く塗られた部分のあるパーツがあります。その部分は組付け時に不要になりますので切り離し、パーツのその部分の形を金ヤスリ等で整えて下さい。
- Due to production reasons, dowel holes on white metal parts may not be deep enough. Deepen holes with a pin vice as needed.
- Use liquid type superglue for metals.
- In the Parts List there are parts that have blue sections. They will be unnecessary when you assemble so remove them and clean up the cut surface with a file or the like.



#### アドバイス

#### Tips

- パーツを磨く場合は、800番程度の紙ヤスリの使用をおすすめします。(削りすぎに注意して下さい)
- ホワイトメタルパーツ表面にメタルプライマーを吹きつけると腐食防止効果があります。
- For sanding parts, we recommend sandpaper around #800. (Don't sand too much.)
- Coating metal primer on white metal parts will help prevent corrosion.

#### 注意 Note

- ホワイトメタルパーツは、軟らかく変形しやすい為取扱いは十分注意して下さい。
- Handle white metal parts with care as they are easily deformed.

### 表記について/Notes on mark



- 指示部分は接着しないで下さい。  
Do not cement.
- 指示部分を切り取って下さい。  
Cut off.
- 指示部分に穴を開けて下さい。  
Make holes.
- 指示部分に紙ヤスリを掛けて下さい。  
Shave sandpaper.



- 指示部分を山折りに折り曲げて下さい。  
Mountain fold.
- 指示部分を谷折りに折り曲げて下さい。  
Valley fold.
- 指示部分にひねりを行って下さい。  
Turn.
- 指示部分をニッパーでカットして下さい。  
Cut with nippers.



- 指示部分をエッチングハサミでカットして下さい。  
Cut with modeling scissors.
- 指示部分をハサミで切り取って下さい。  
Cut off with scissors.
- パーツの表裏に注意して下さい。  
Note the orientation of the parts.
- 指示部分にヤスリを掛けて下さい。  
Shave file.

### パーツの左右表示について/Notes on left and right parts

- 本組立説明書では、主翼・昇降舵部分の組立説明を左翼パーツでご説明させていただきます。右翼パーツにつきましては、左翼パーツの部品番号の脇に( )青文字で部品番号を表記させていただきます。
- We only show the assembly of the left main wing and the left tailplane. Corresponding part numbers for the right wing and the left tailplane are shown in blue.
- 右主翼・右昇降舵の組立につきましては、左主翼・左尾翼組立説明を参考に組立て下さい。尚、右主翼・右尾翼部分、左主翼・左尾翼部分のみに取り付ける部品については別途ご説明させていただきます。
- Please refer to the instructions for the left main wing and the left tailplane when you assemble the right main wing and the right tailplane.

#### 注意事項 必ずお読み下さい。



#### Warning: You must read all these warnings.



●取扱説明書に従って組立を行って下さい。●鋭利な部分が気になる場合はバリとりを行って下さい。●小さな部品は誤飲の危険がありますので、お子様の手の届く範囲には置かないで下さい。●部品の中には先のとがった縁端部を持つものがありますので、ケガをしないように慎重に組立て下さい。●高温、多湿な場所で保管したり使用しないで下さい。腐食の原因となります。●本来の用途以外でのご使用はおやめ下さい。●ピンバイス・カッター・ヤスリ等を使用する作業があります。手などのケガに十分注意して下さい。

●Follow all instructions to assemble your model. ●Remove burrs as needed. ●Keep small parts away from small children to prevent accidental ingestion. ●Be careful not to hurt yourself as some parts have sharp-edged burrs. ●Keep your model away from heat and moisture to avoid corrosion. ●Don't use your model for other than its intended purpose. ●Be careful not to hurt yourself with tools such as pin vices, knives and files.

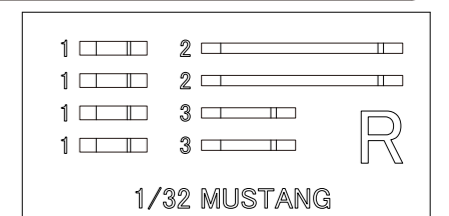
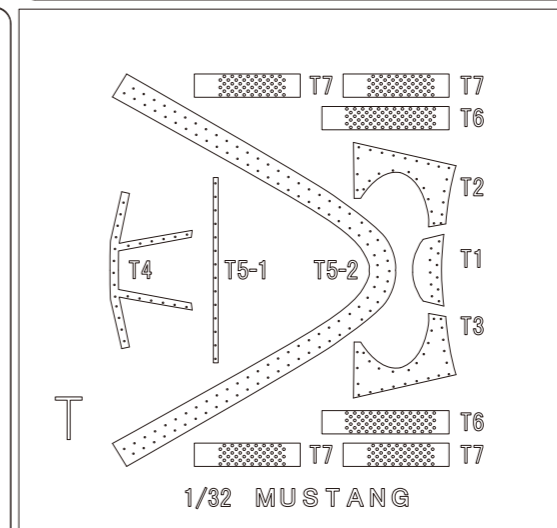
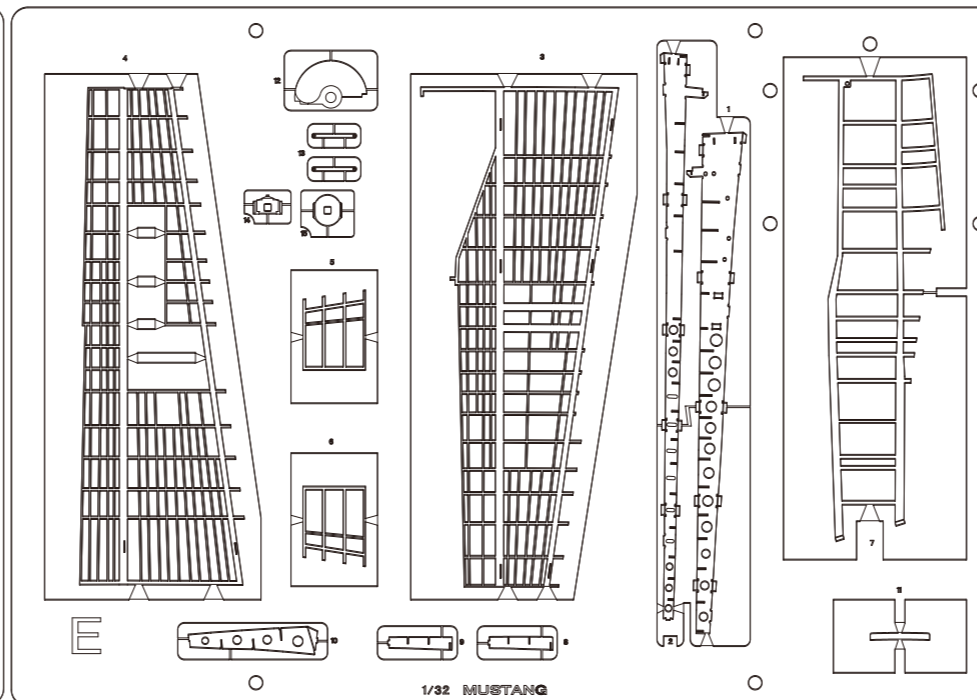
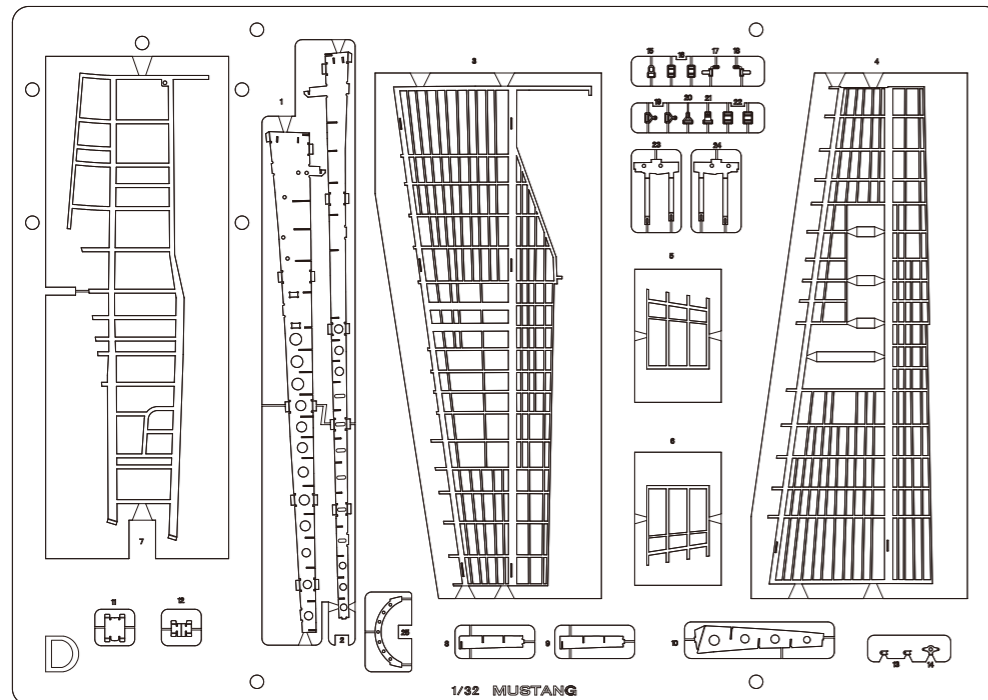
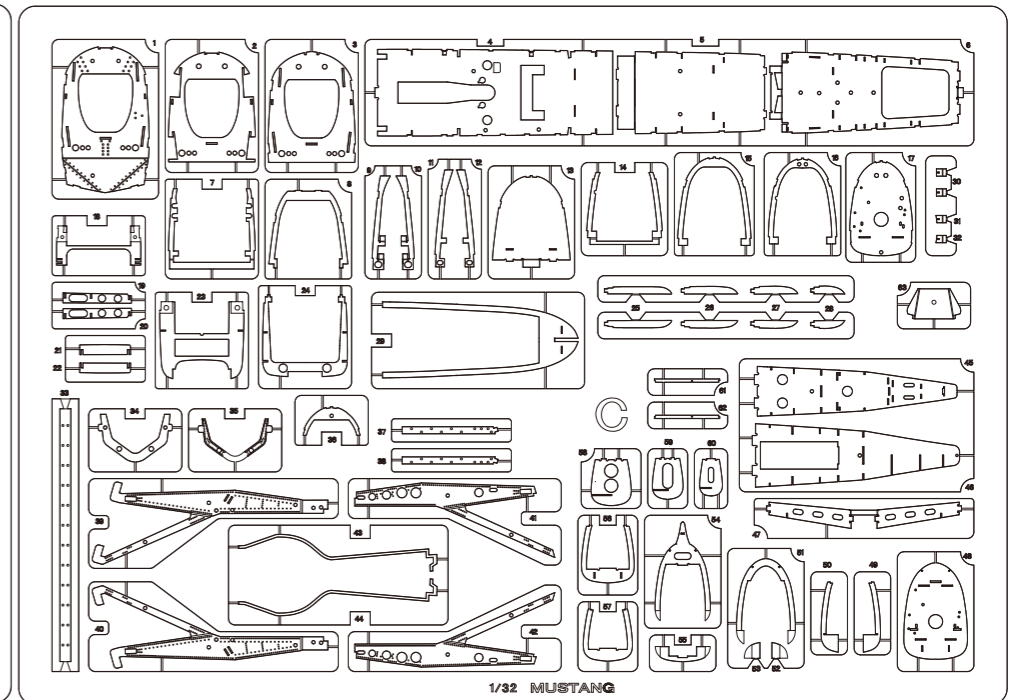
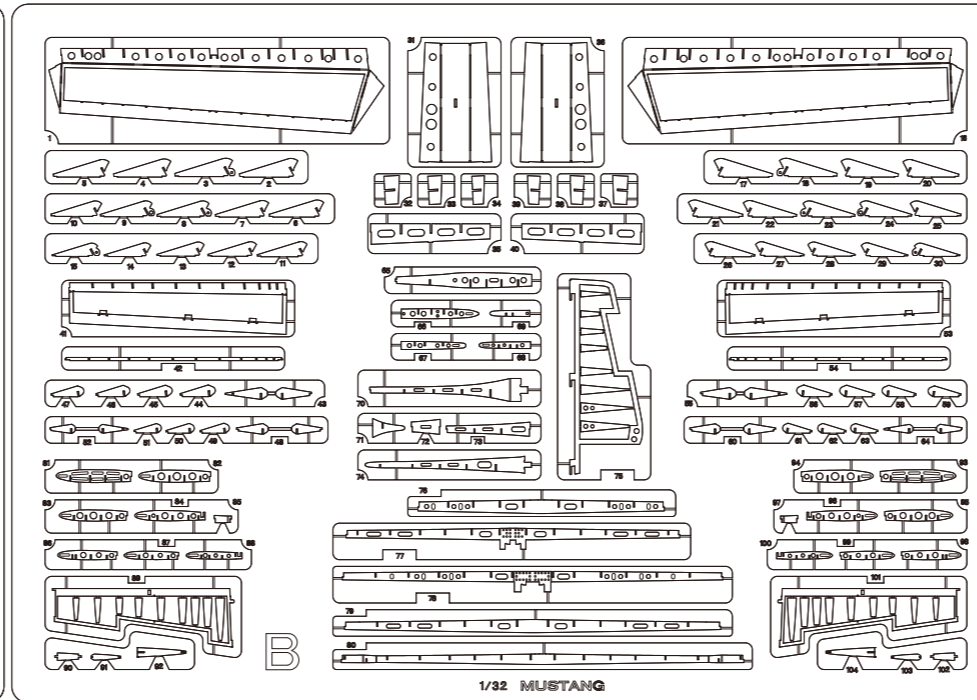
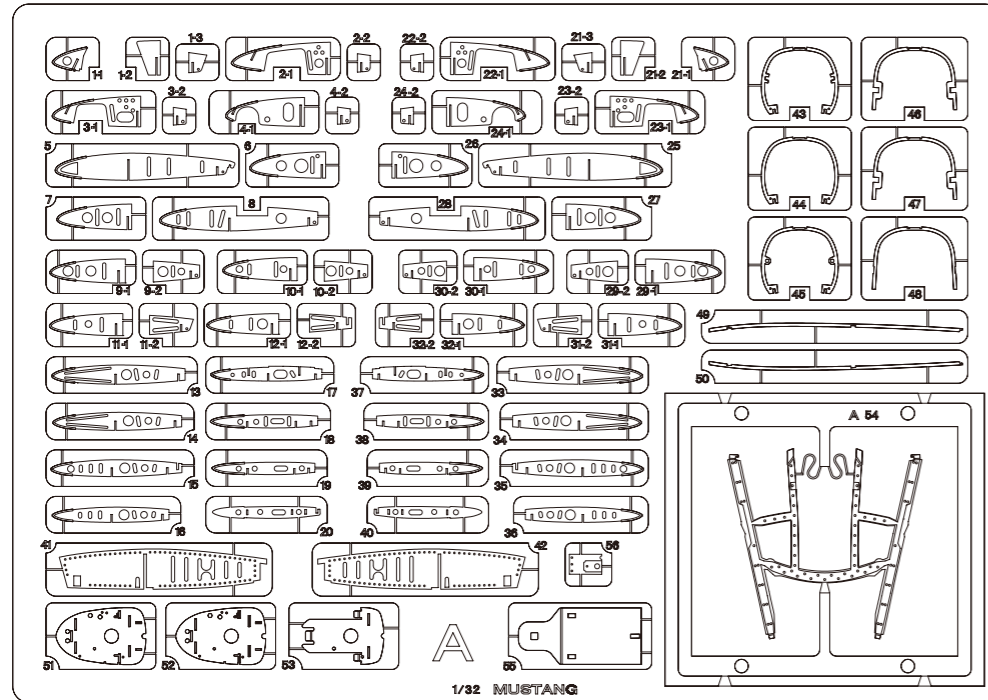
お問い合わせ先 インクス株式会社

Contact imcth Co., Ltd

〒130-0026 東京都墨田区両国2-16-5 あつまビル2F URL: <http://imcth.co.jp>  
TEL (03) 6666-9292 (受付時間/月~金 10:00~18:00 土日祝日を除く) FAX (03) 6666-9293  
Atsuma bldg. 2F, 2-16-5 Ryougoku, Sumida-ku, Tokyo 130-0026 Japan URL: <http://imcth.co.jp>  
TEL: +81 03-6666-9292 (10am-7pm, Mon-Fri except holidays) FAX: +81 03-6666-9293

# パーツリスト/Parts List

## A~E エッチングパーツ/Photo Etched Parts



## ピアノ線・アルミ棒・アルミパイプ・ハンダ線/Piano wire, aluminum bars and pipes, Solder wire

ピアノ線/Piano wire  
Φ0.4mm×200mm

アルミ棒/Aluminum bars  
Φ1.0mm×90mm

アルミパイプ/Aluminum pipes  
Φ1.4mm×180mm

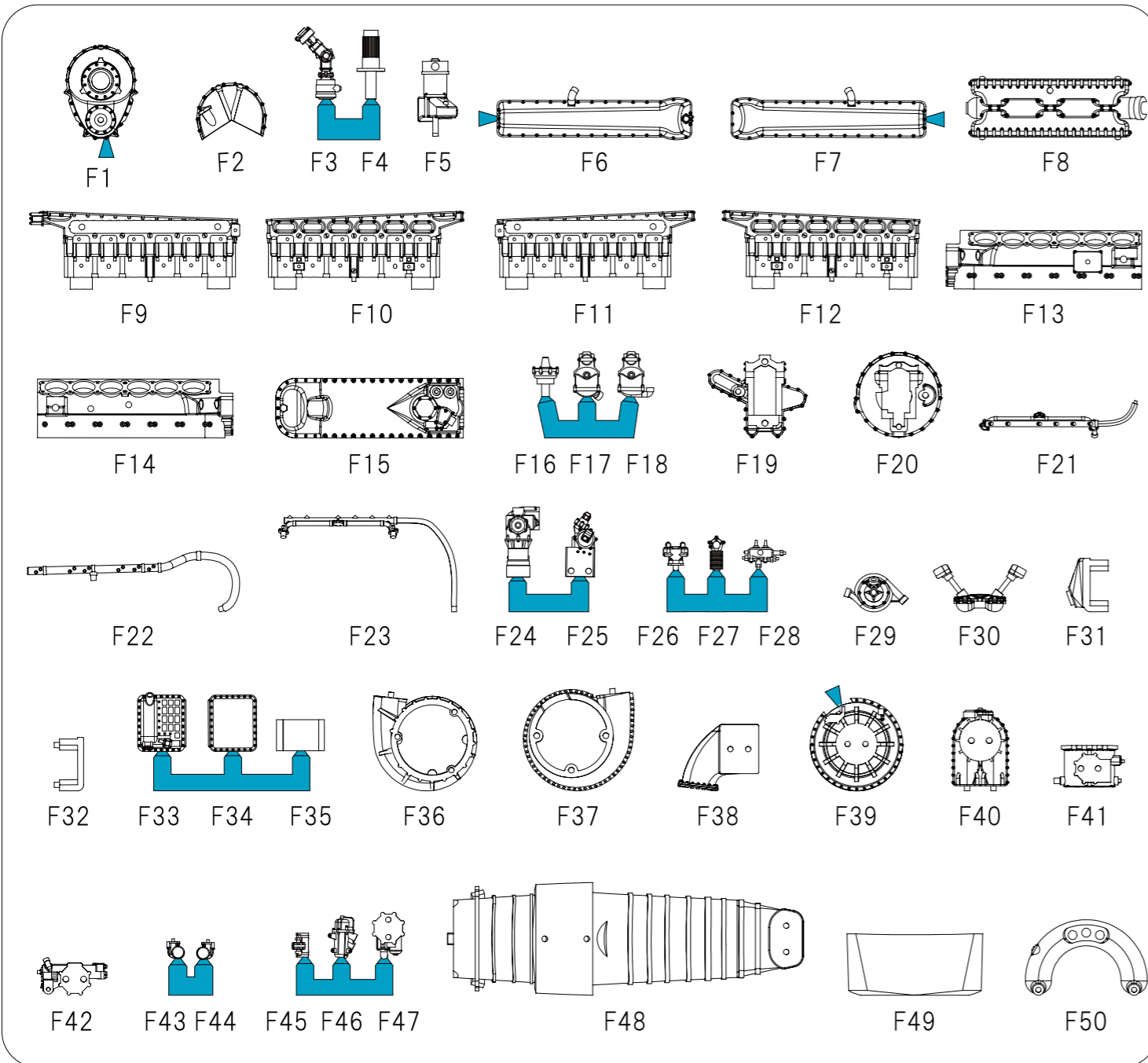
ハンダ線/Solder wire  
Φ1.0mm×20mm

Φ1.2mm×490mm

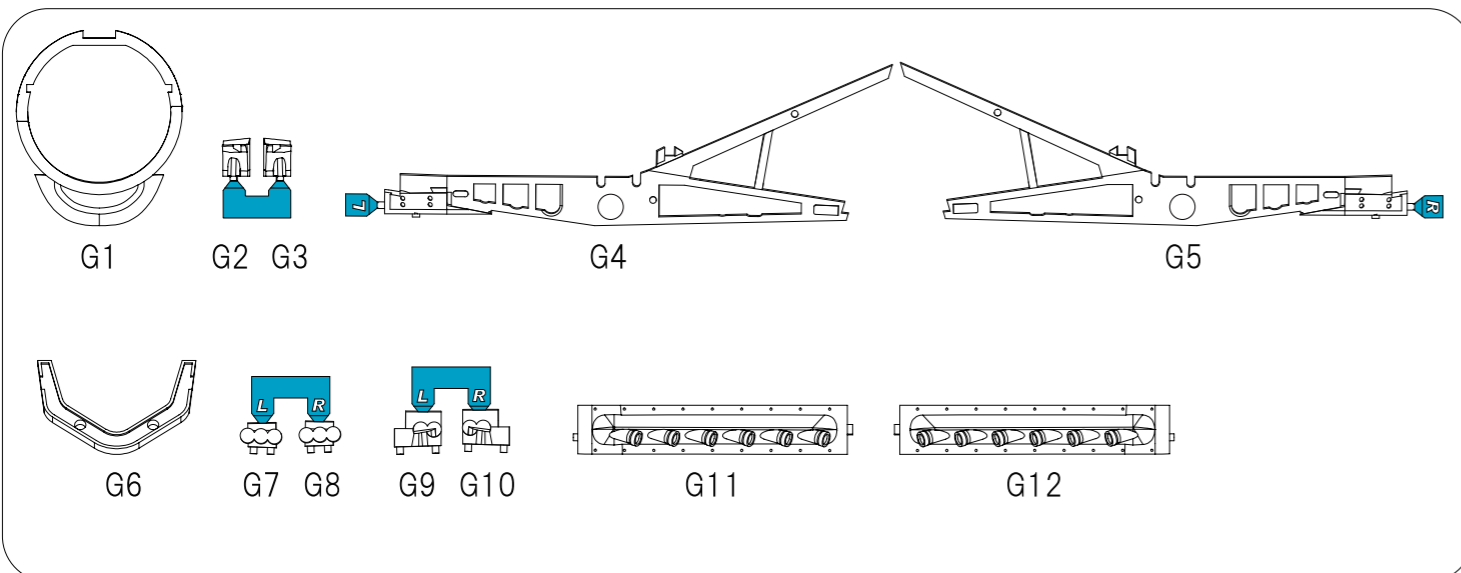
Φ1.6mm×390mm



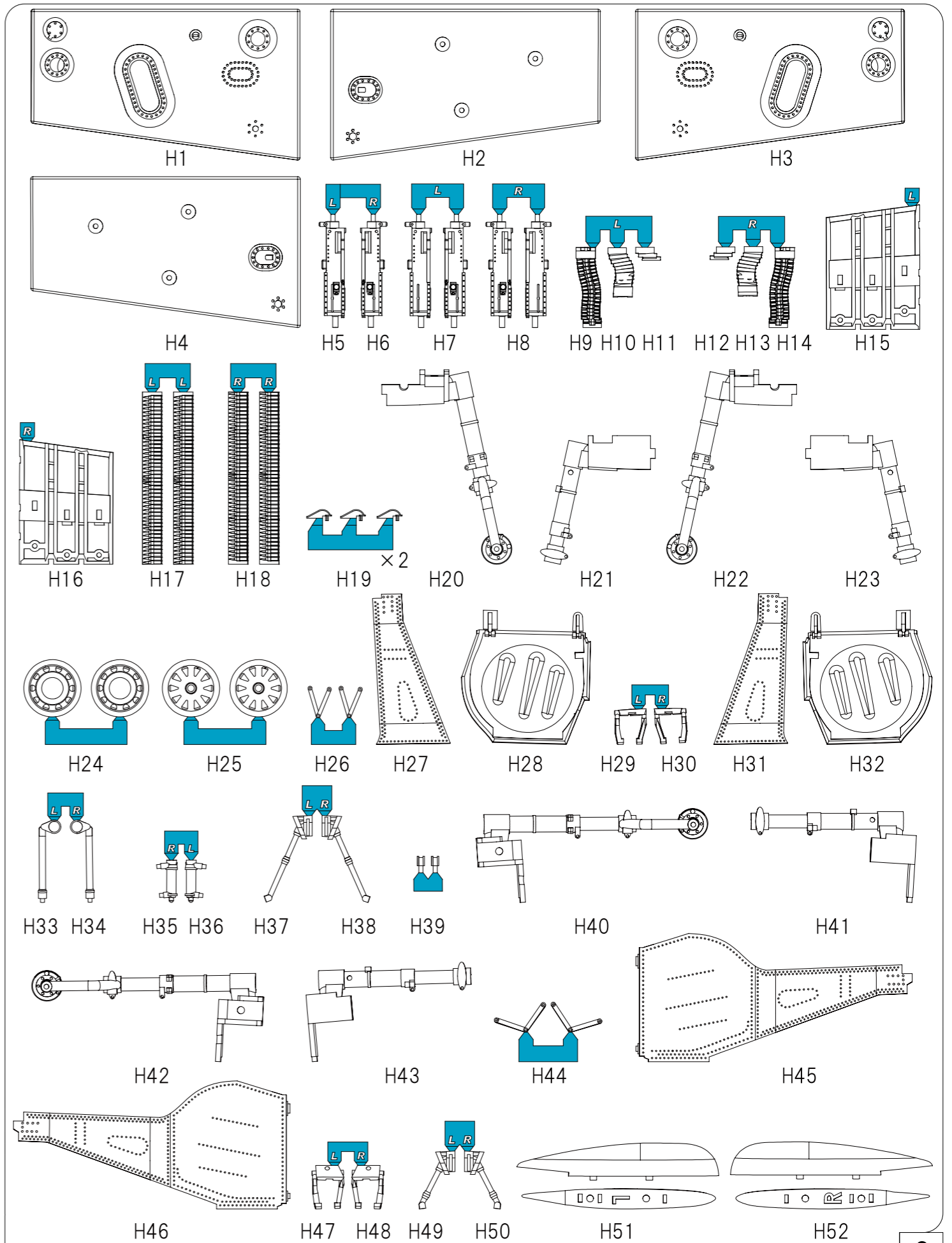
## F エンジンパーツ/Engine Parts



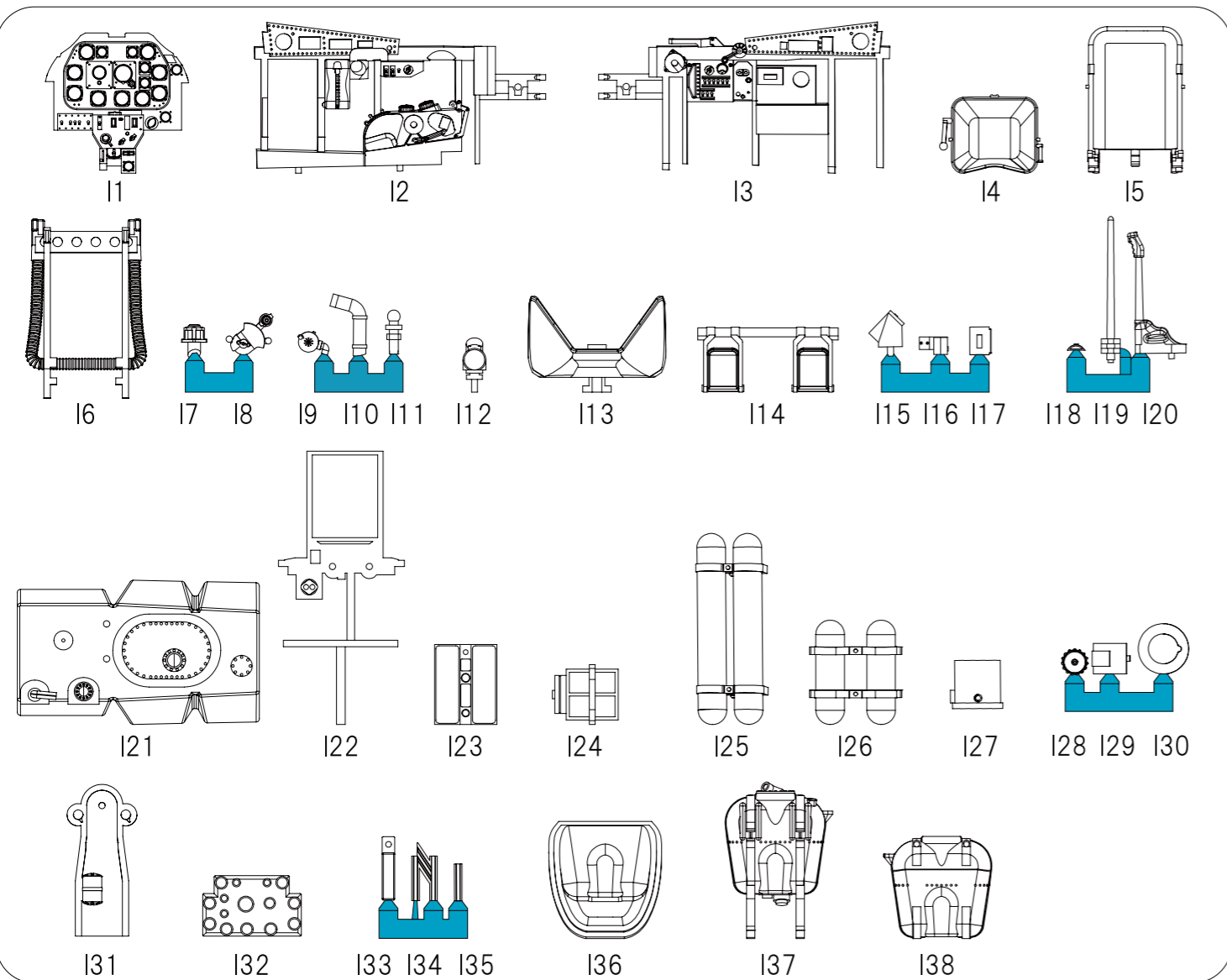
## G エンジンマウントパーツ/Engine Mount Parts



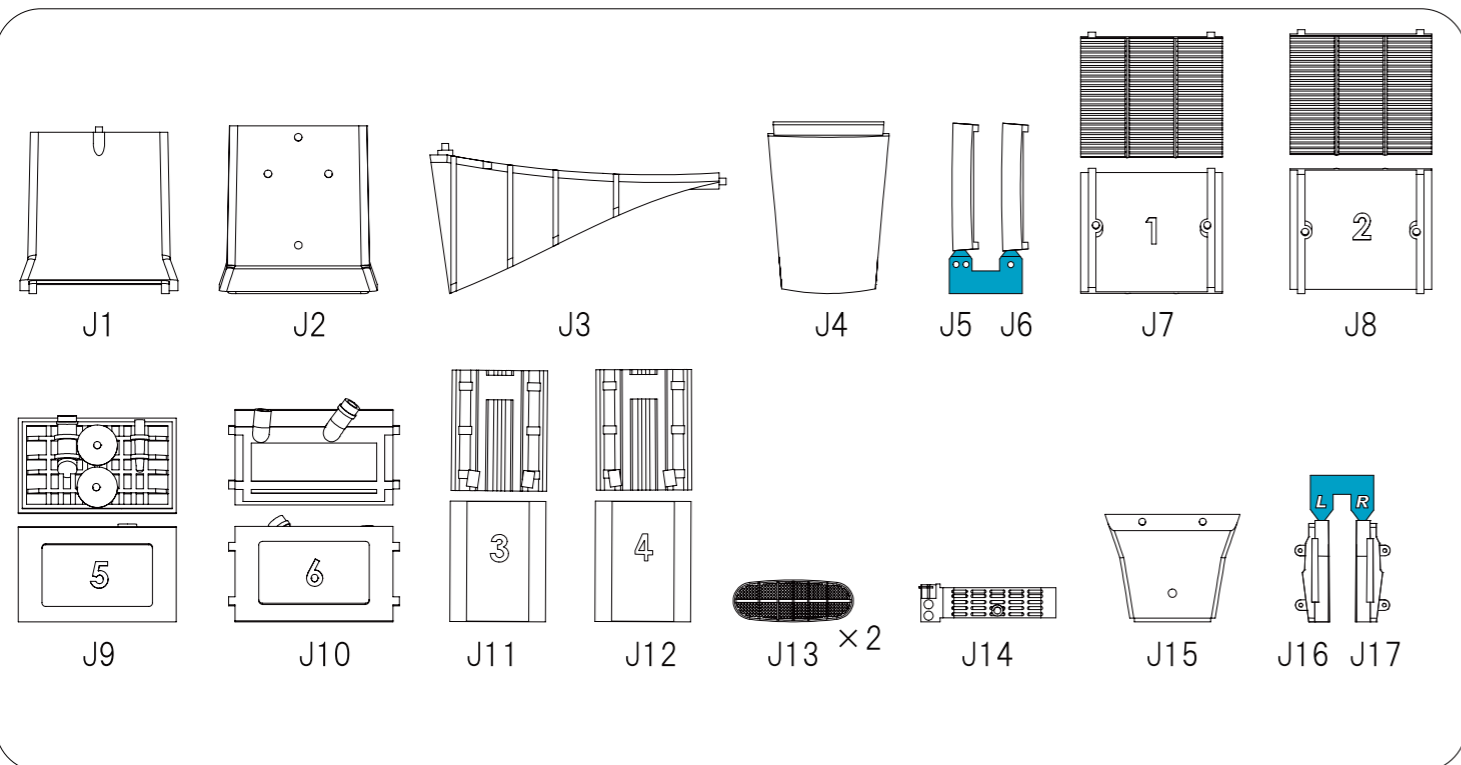
## H 主翼パーツ/Main Wing Parts



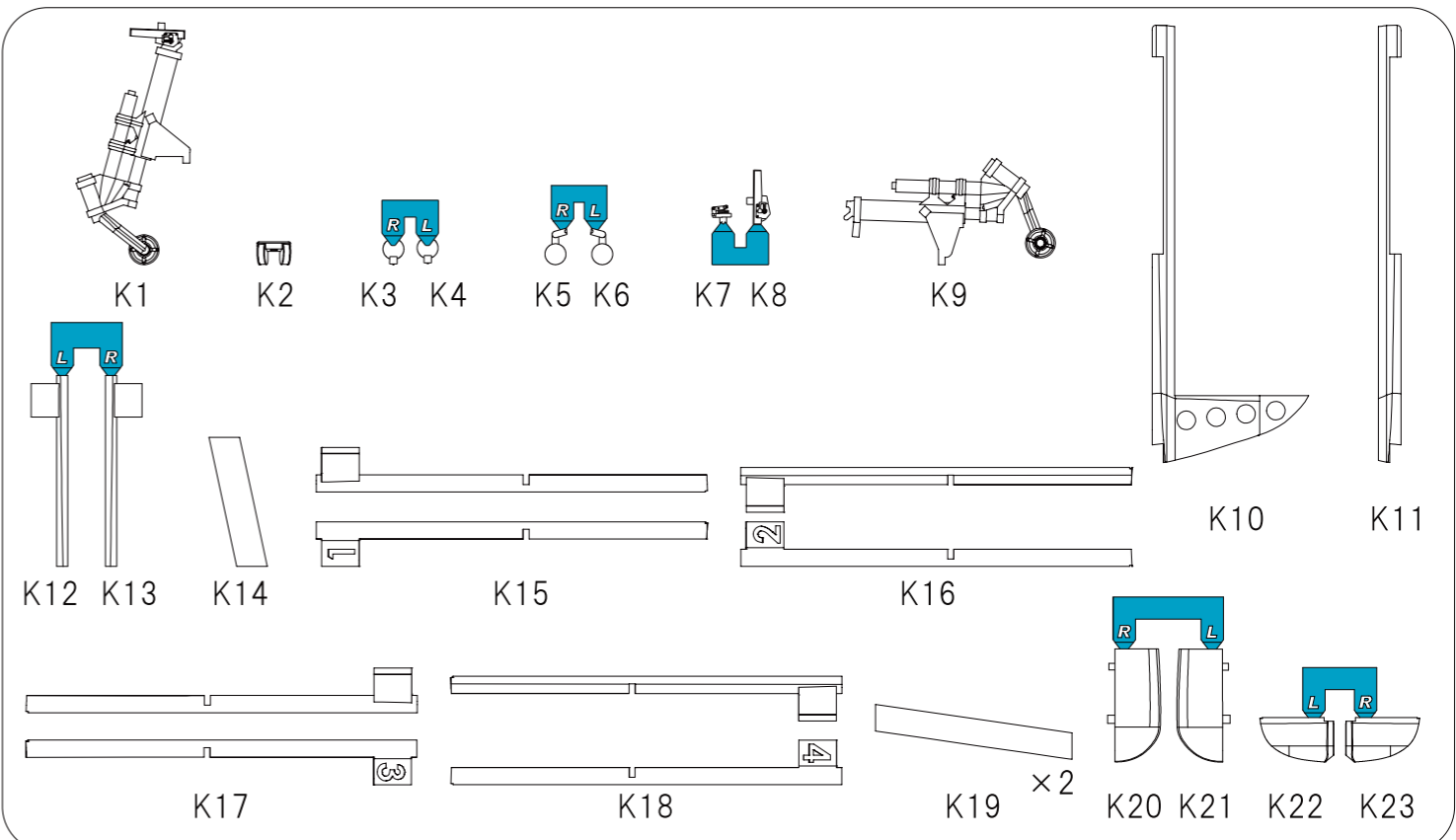
I コックピットパーツ/Cockpit Parts



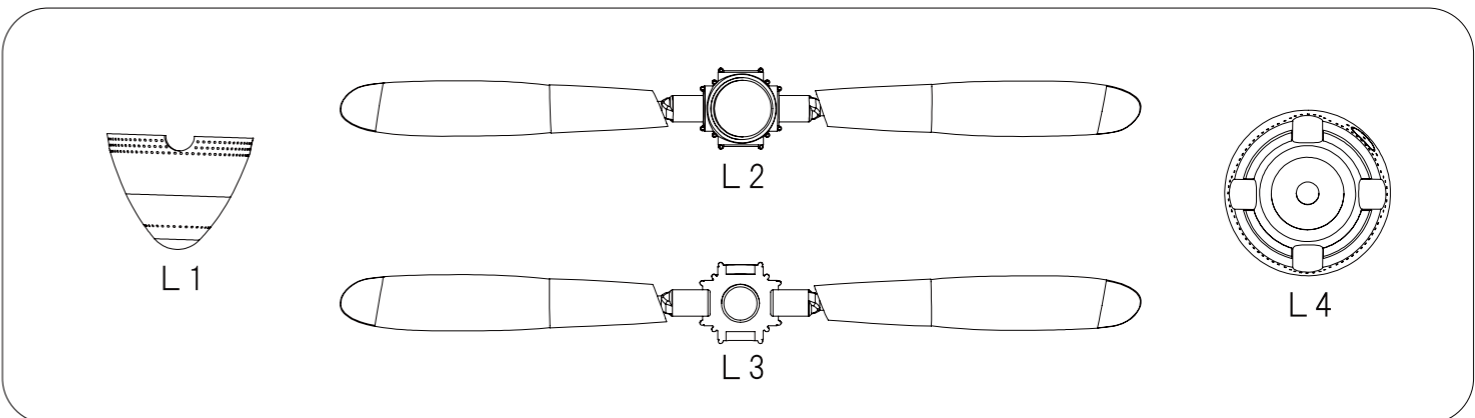
J ラジエーターパーツ/Radiator Parts



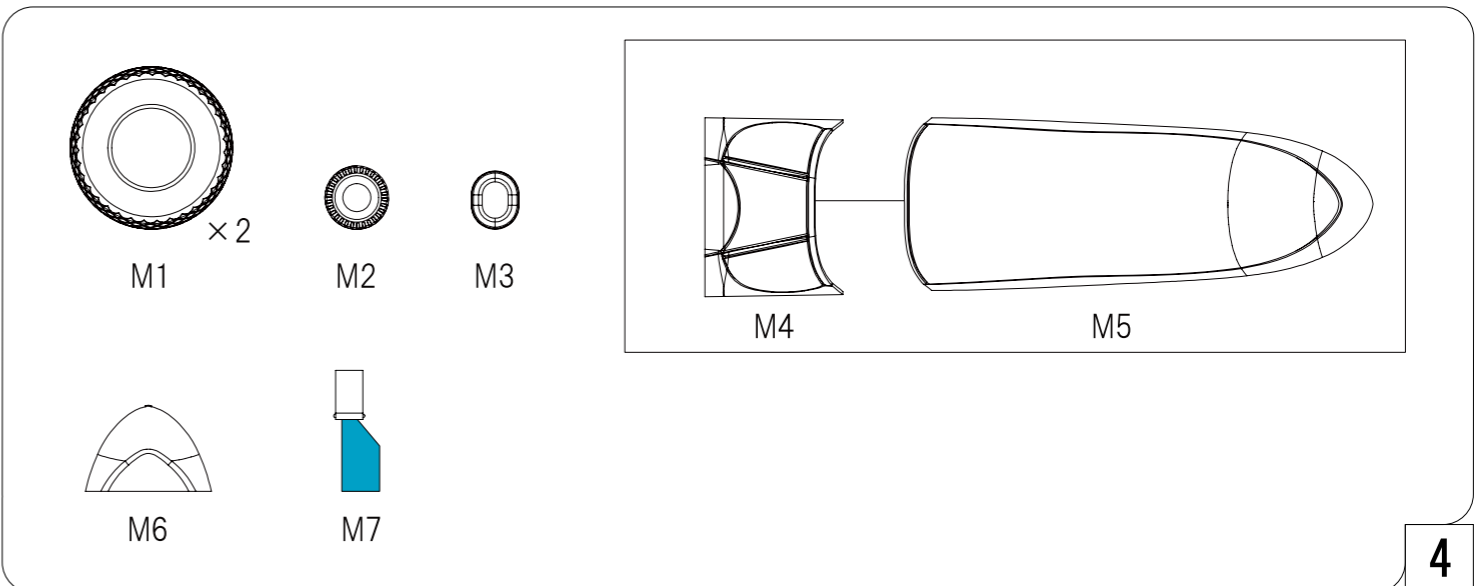
K 尾部パーツ/Tail Parts



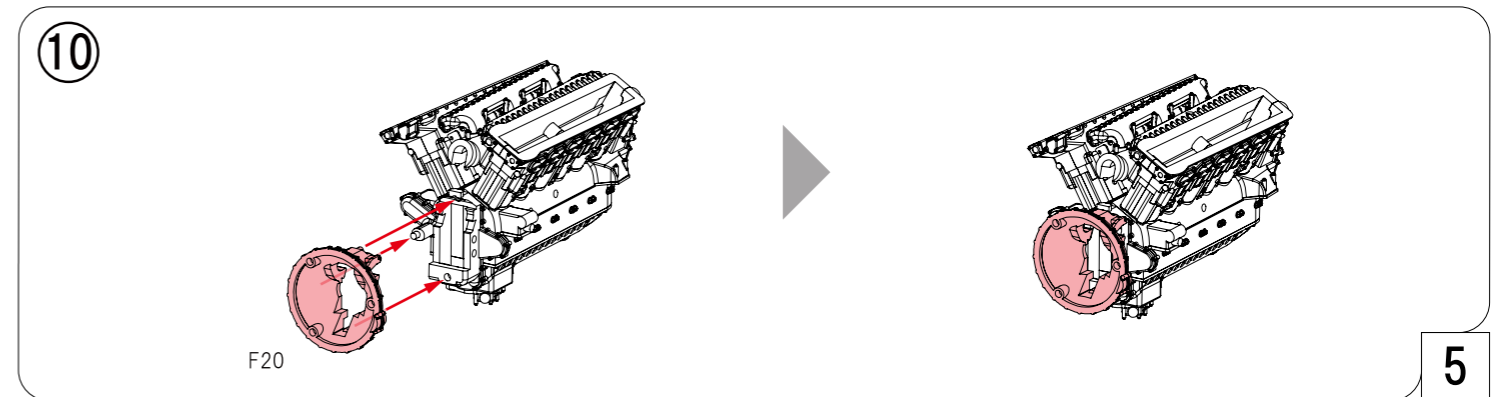
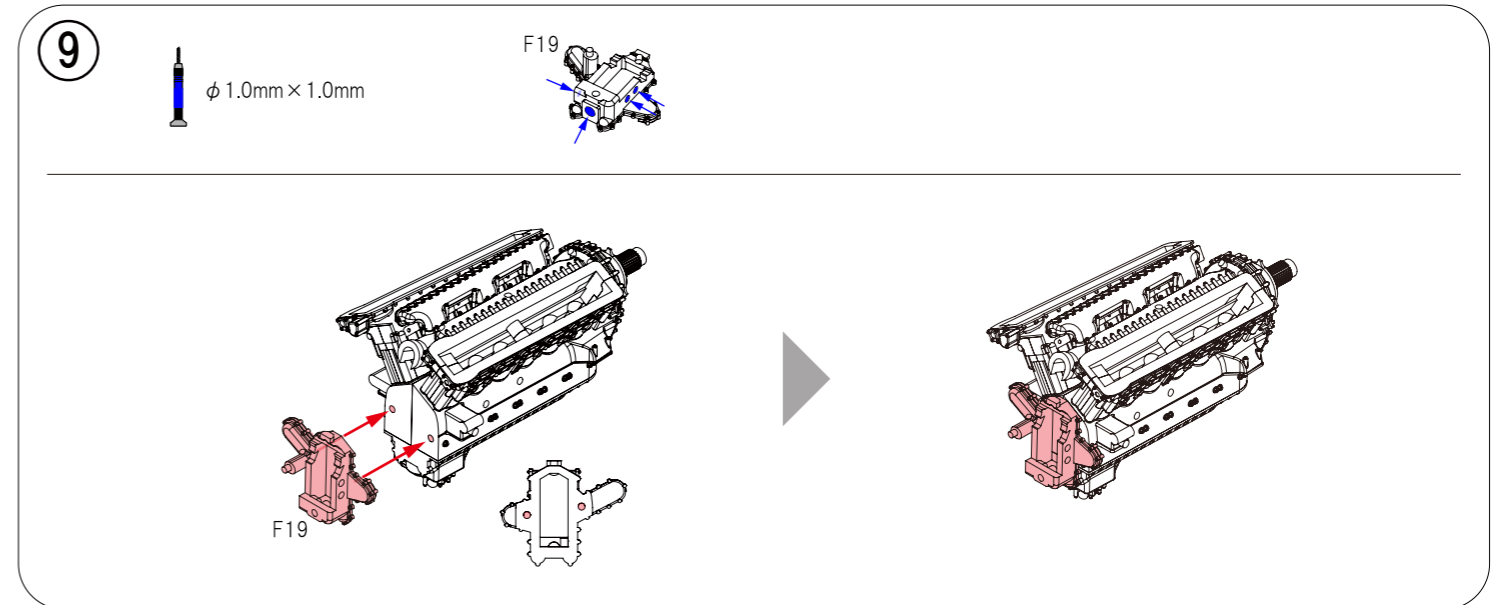
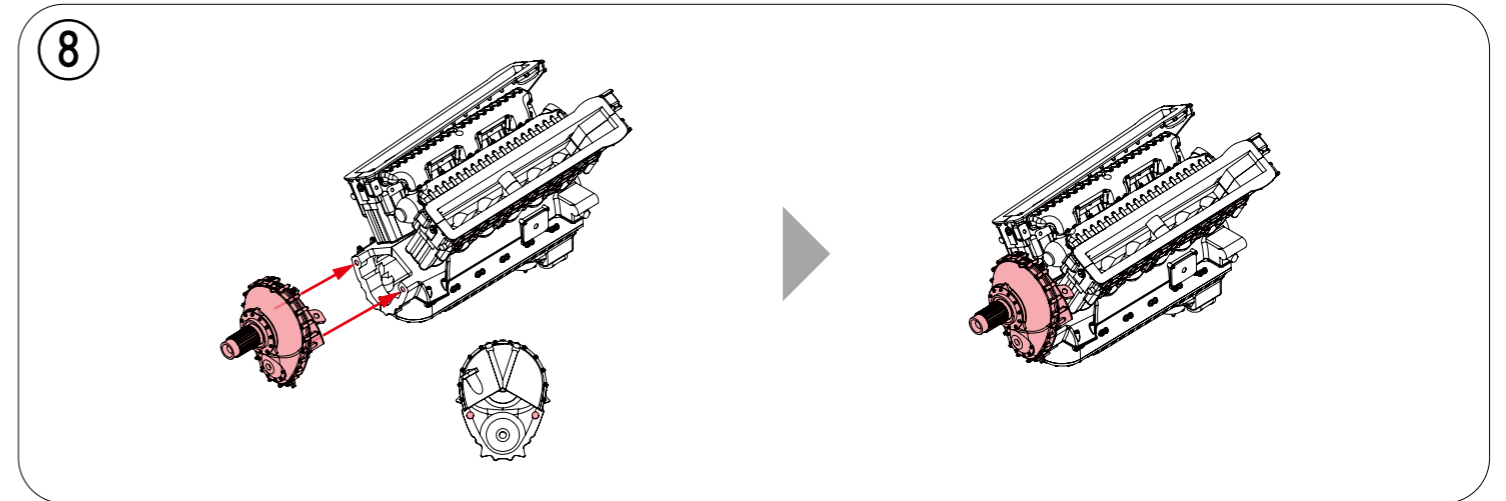
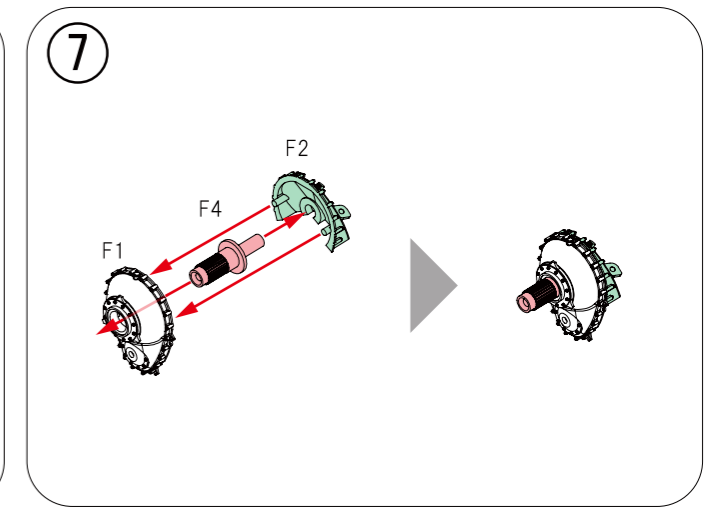
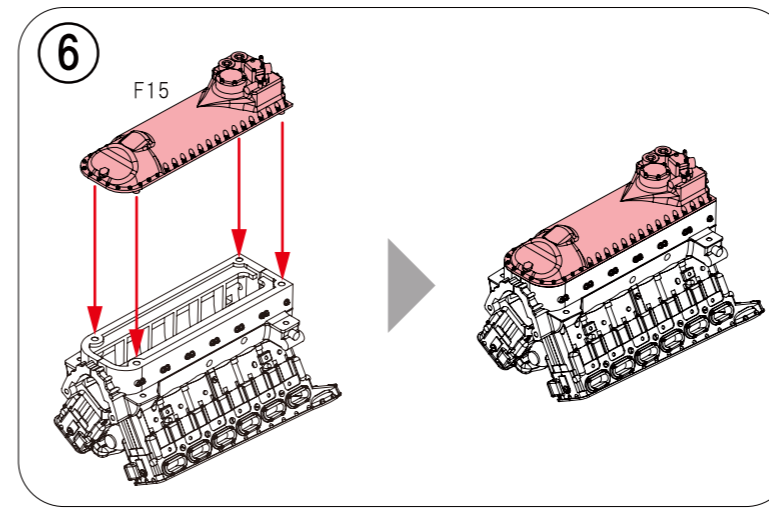
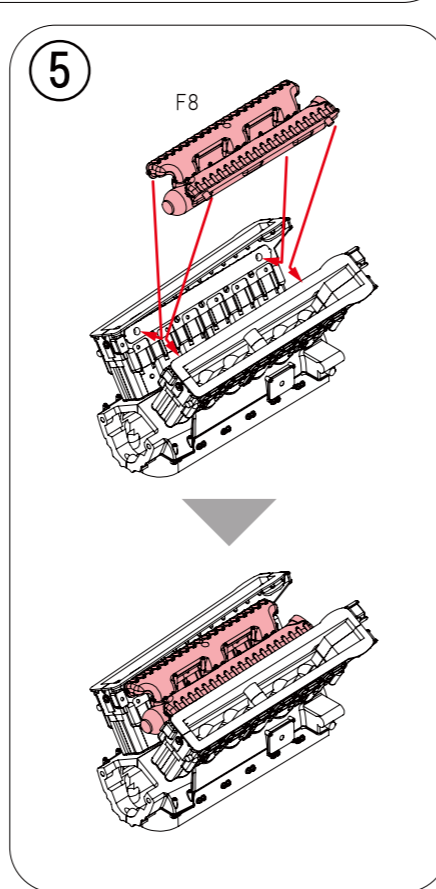
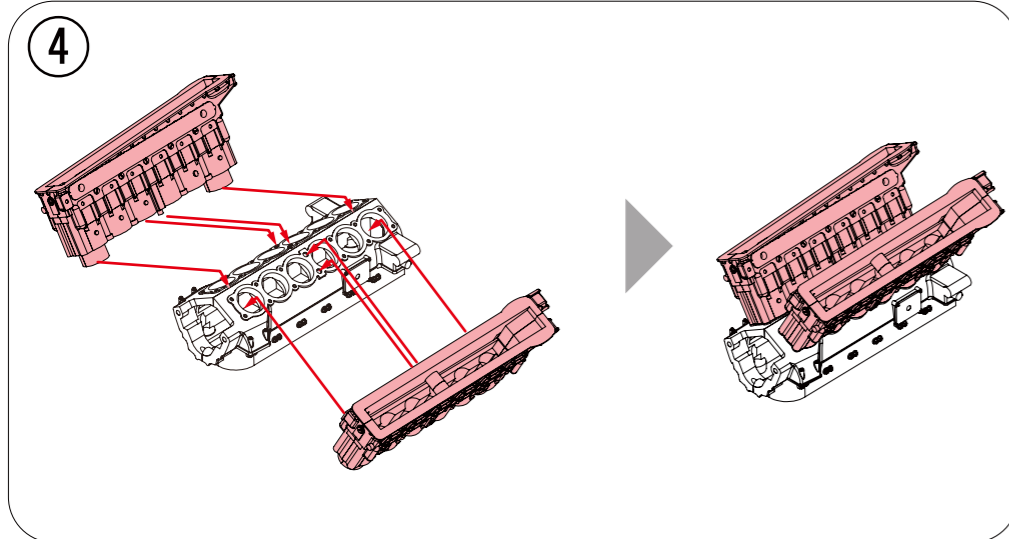
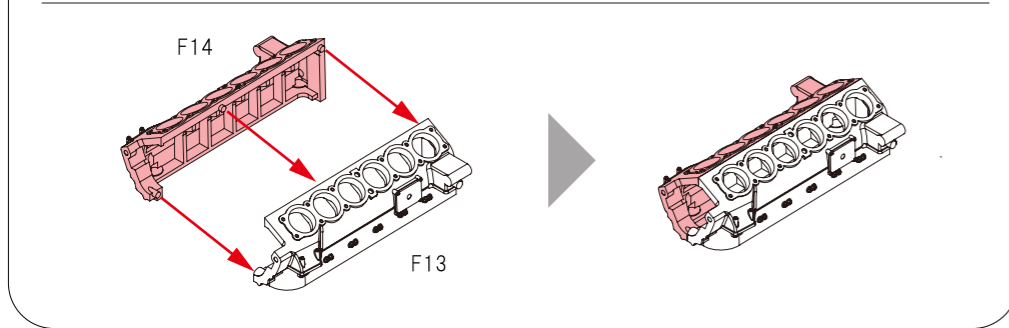
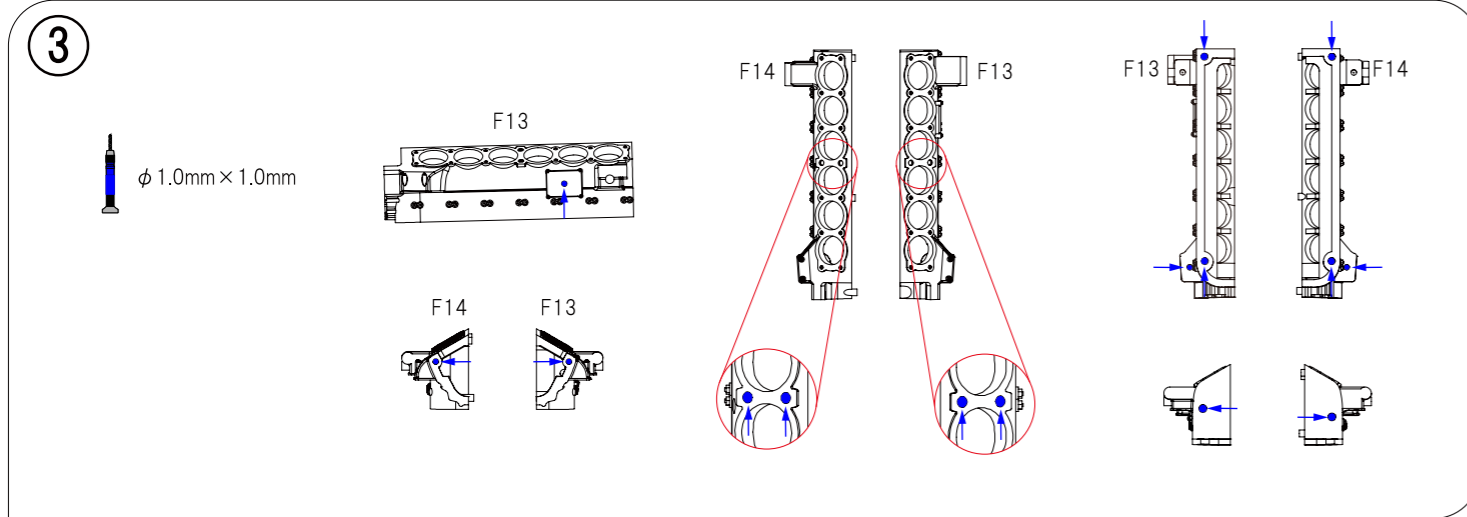
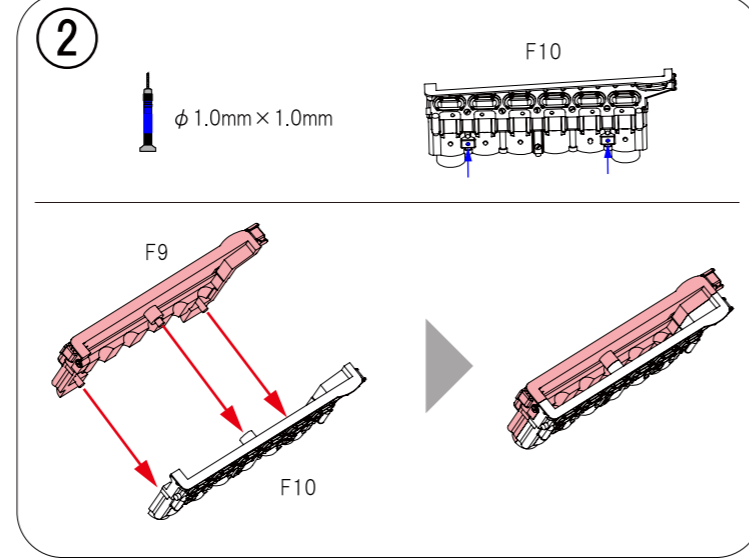
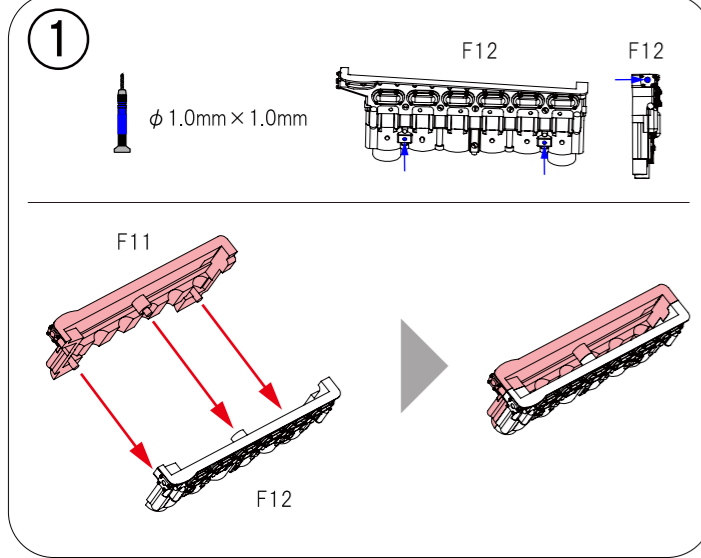
L プロペラパーツ/Propeller Parts



M その他パーツ/Other Parts

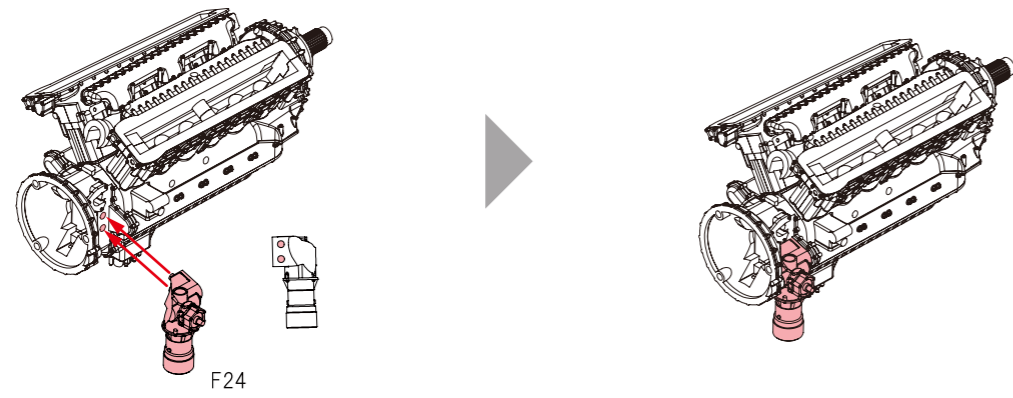


# desktopMUSTANG エンジン/Engine

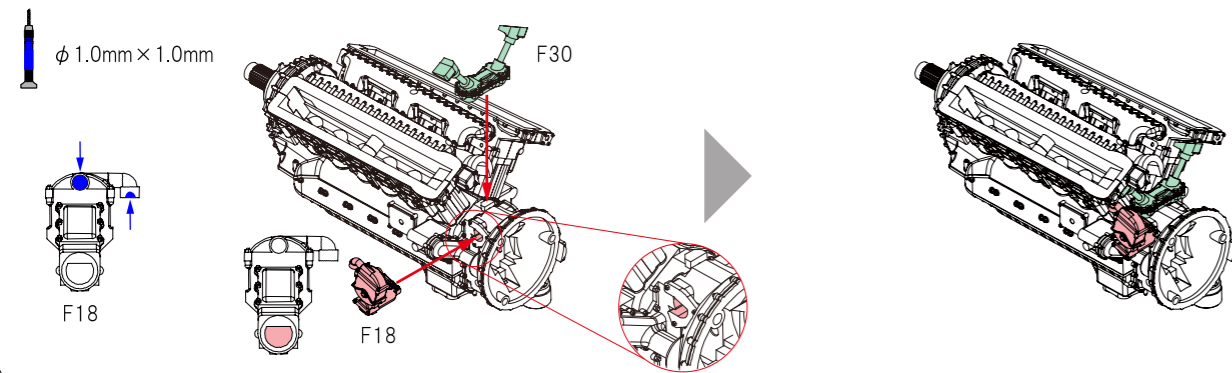


# desktopMUSTANG

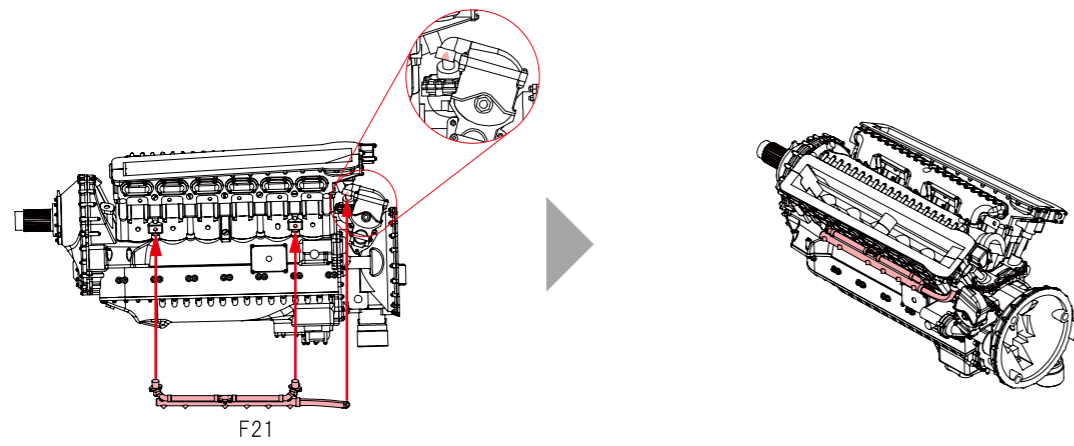
11



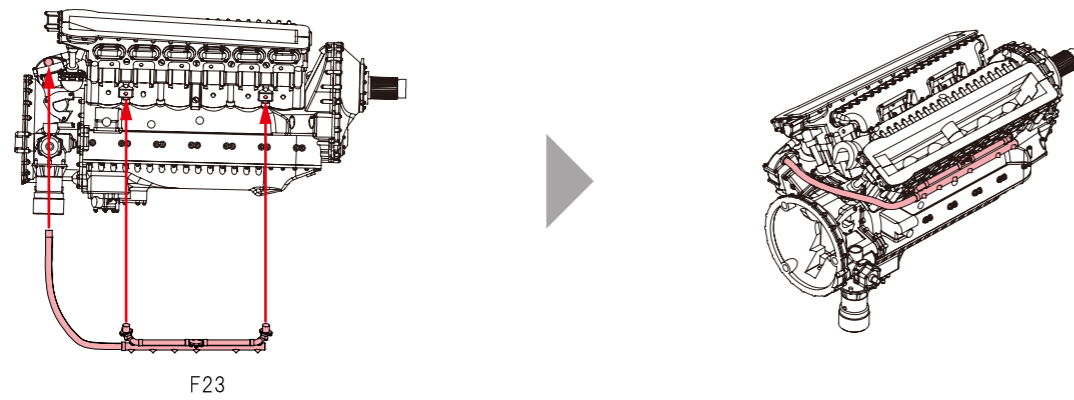
12



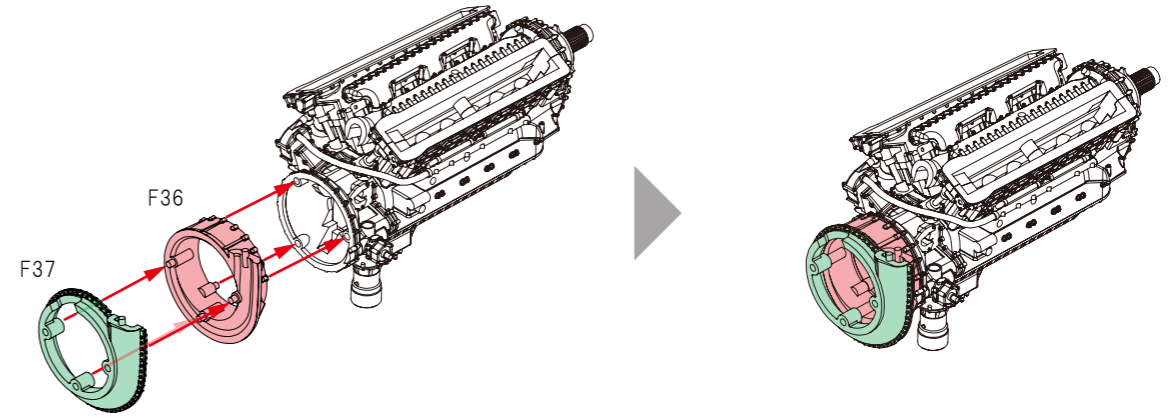
13



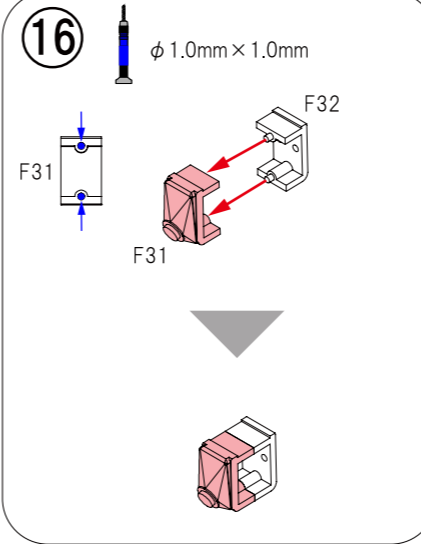
14



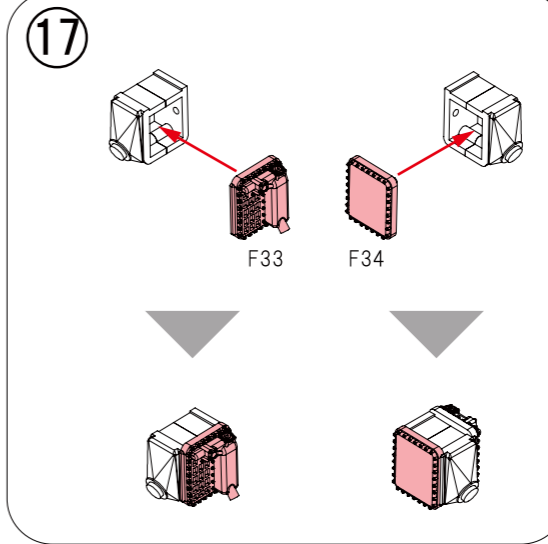
15



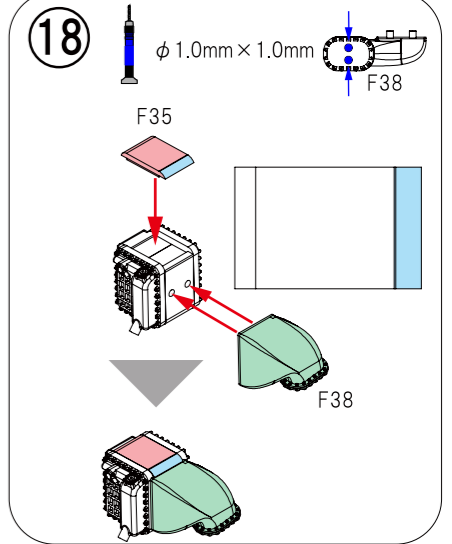
16



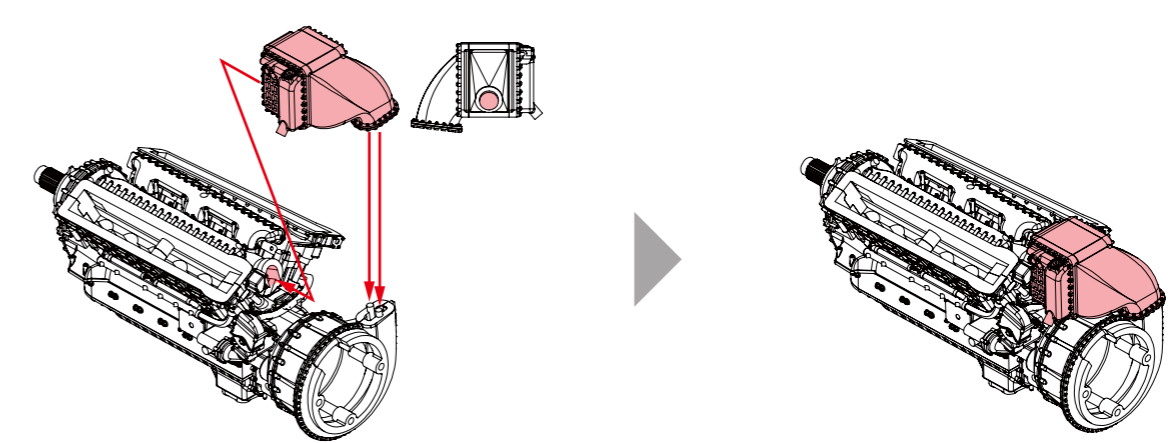
17



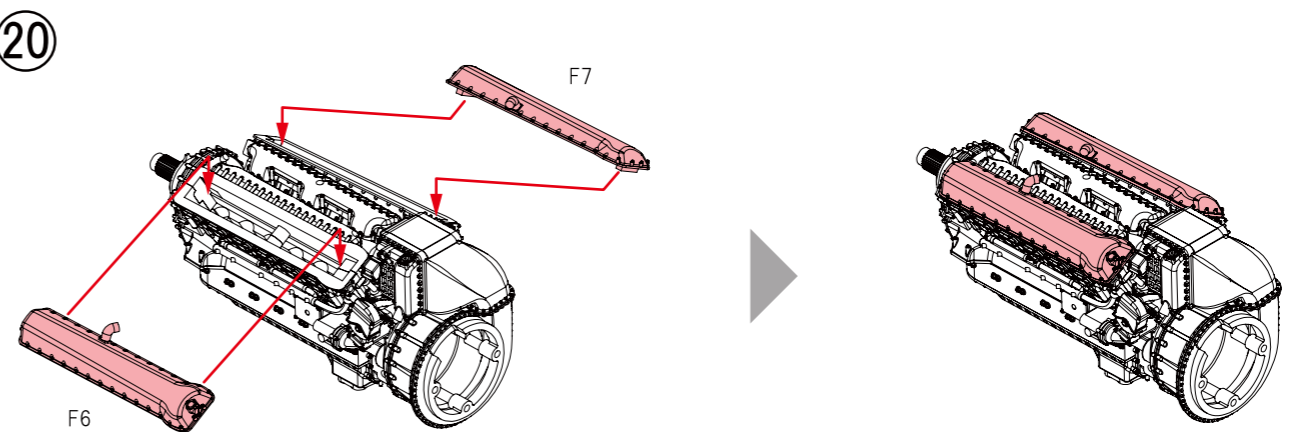
18



19

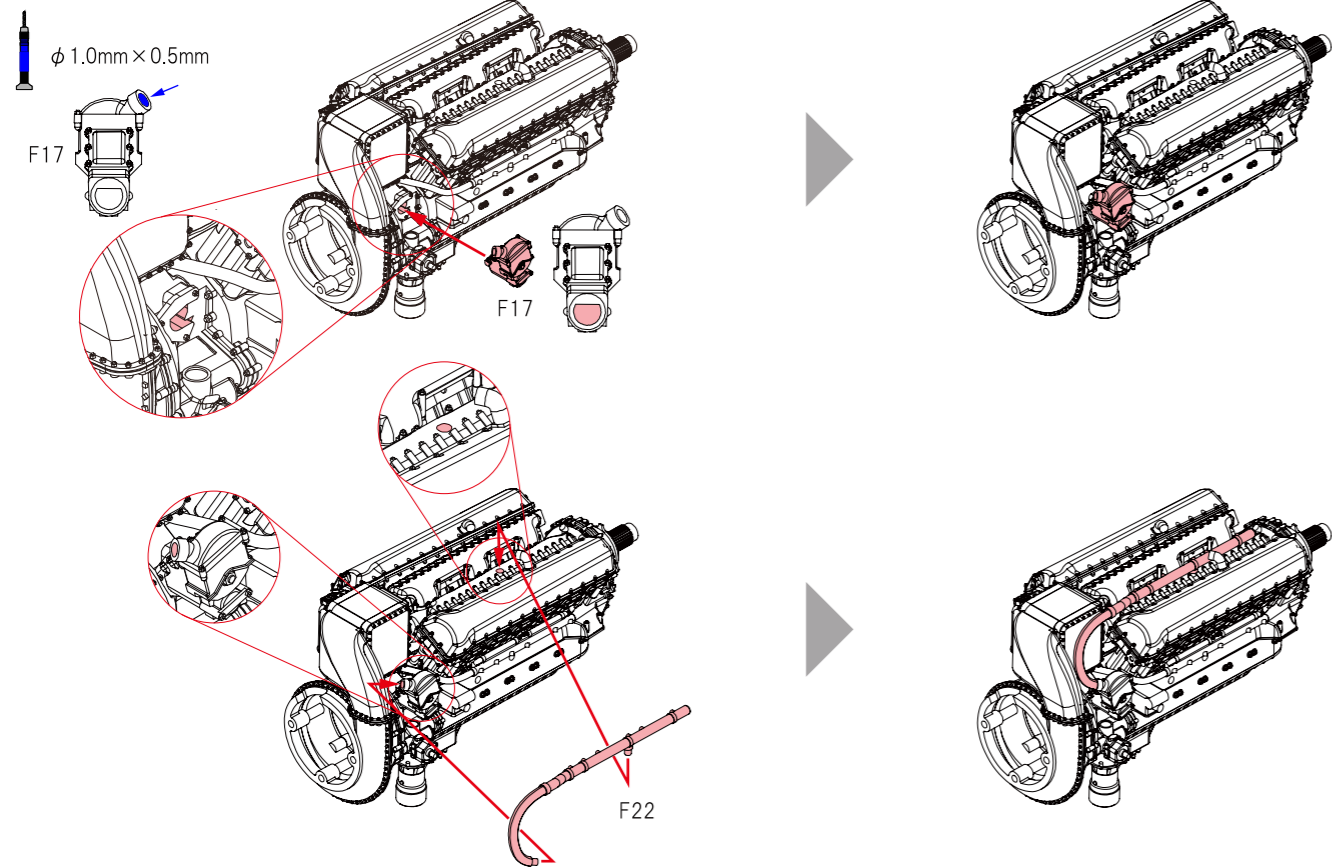


20

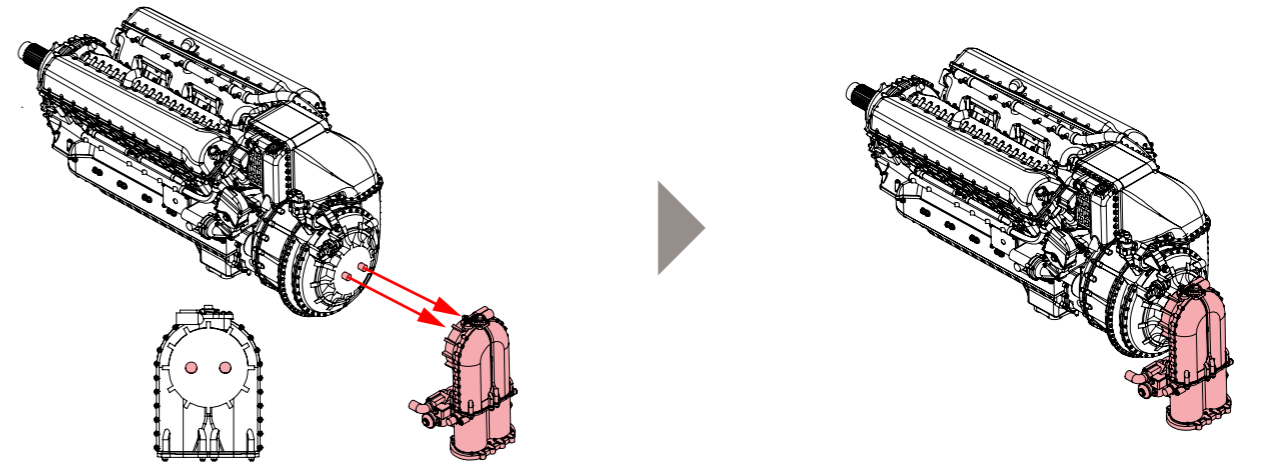


# desktopMUSTANG

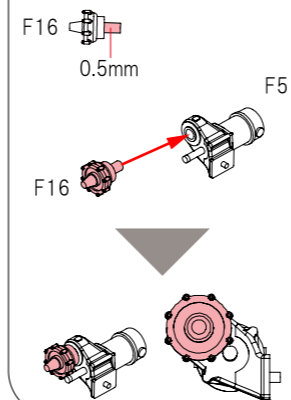
21



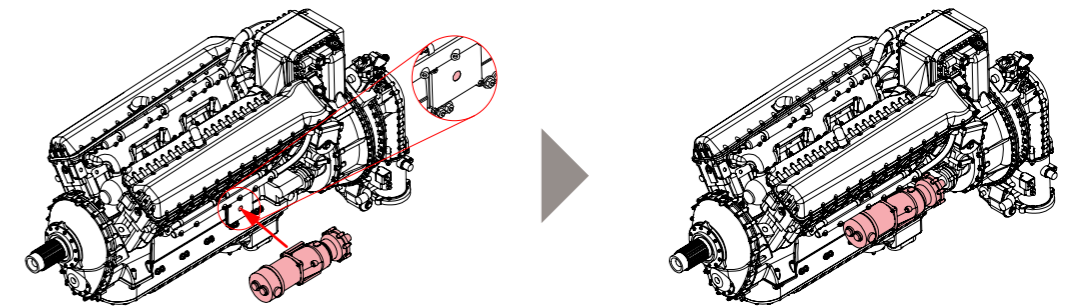
26



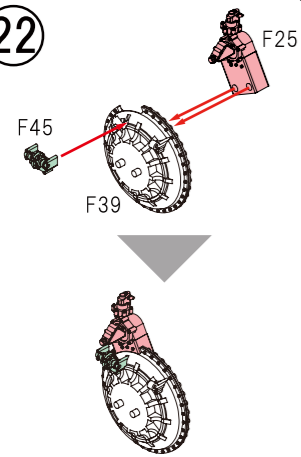
27



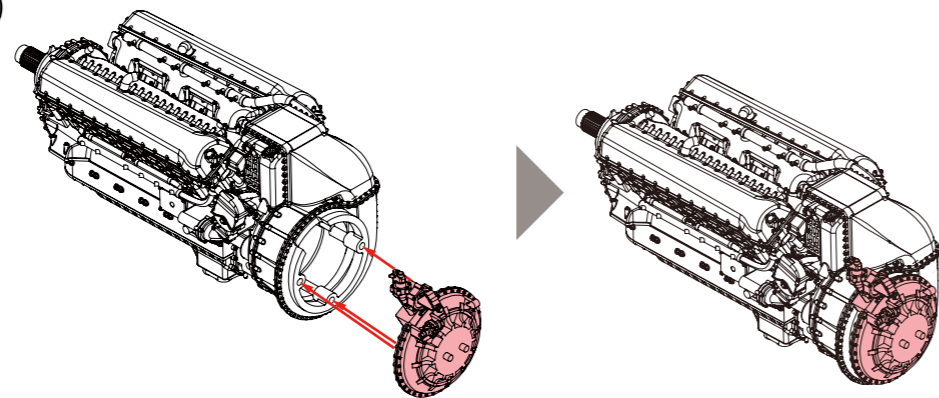
28



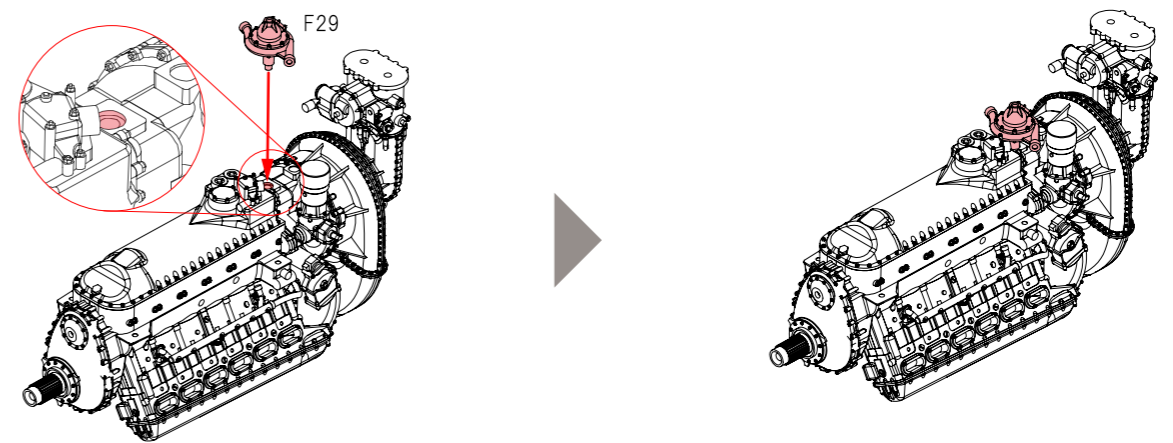
22



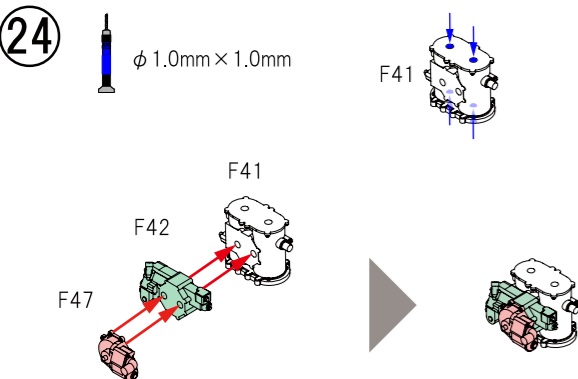
23



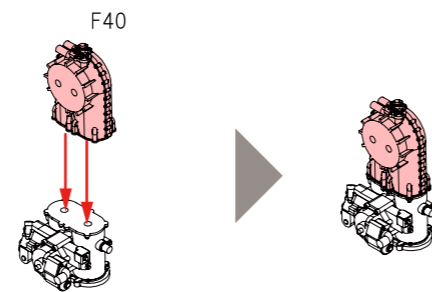
29



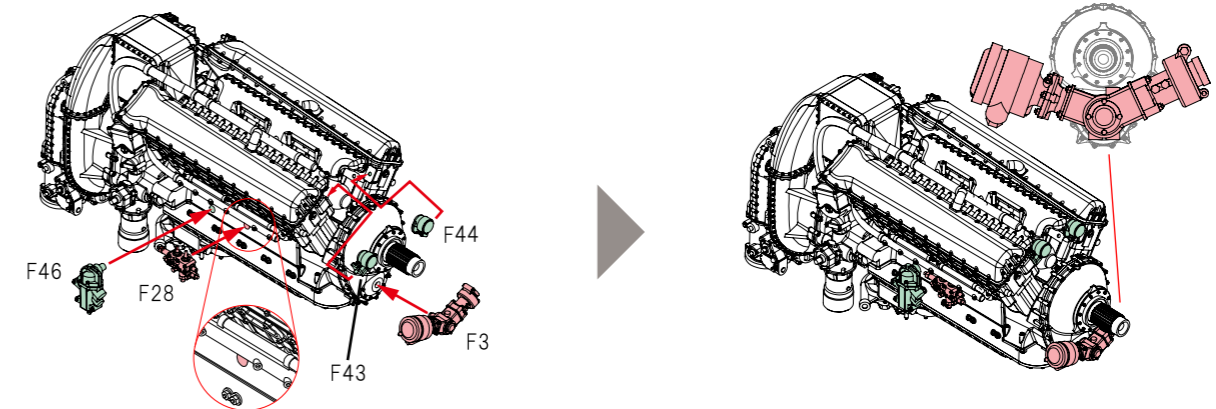
24



25

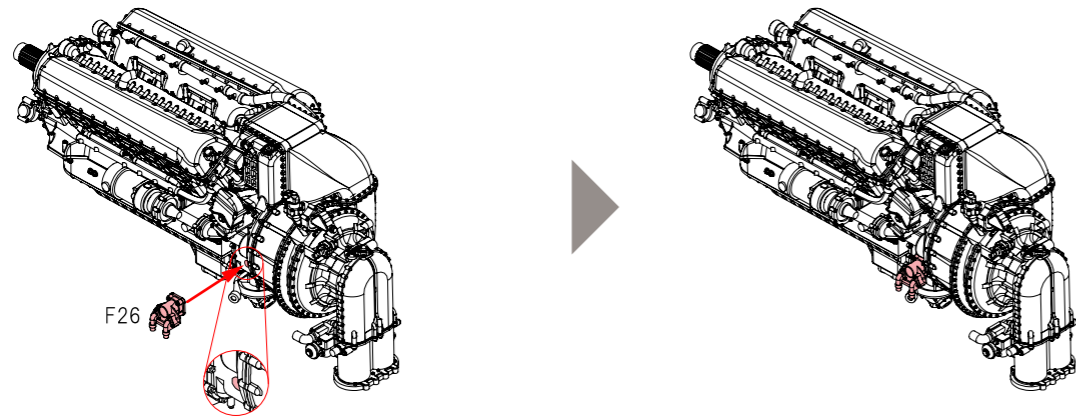


30



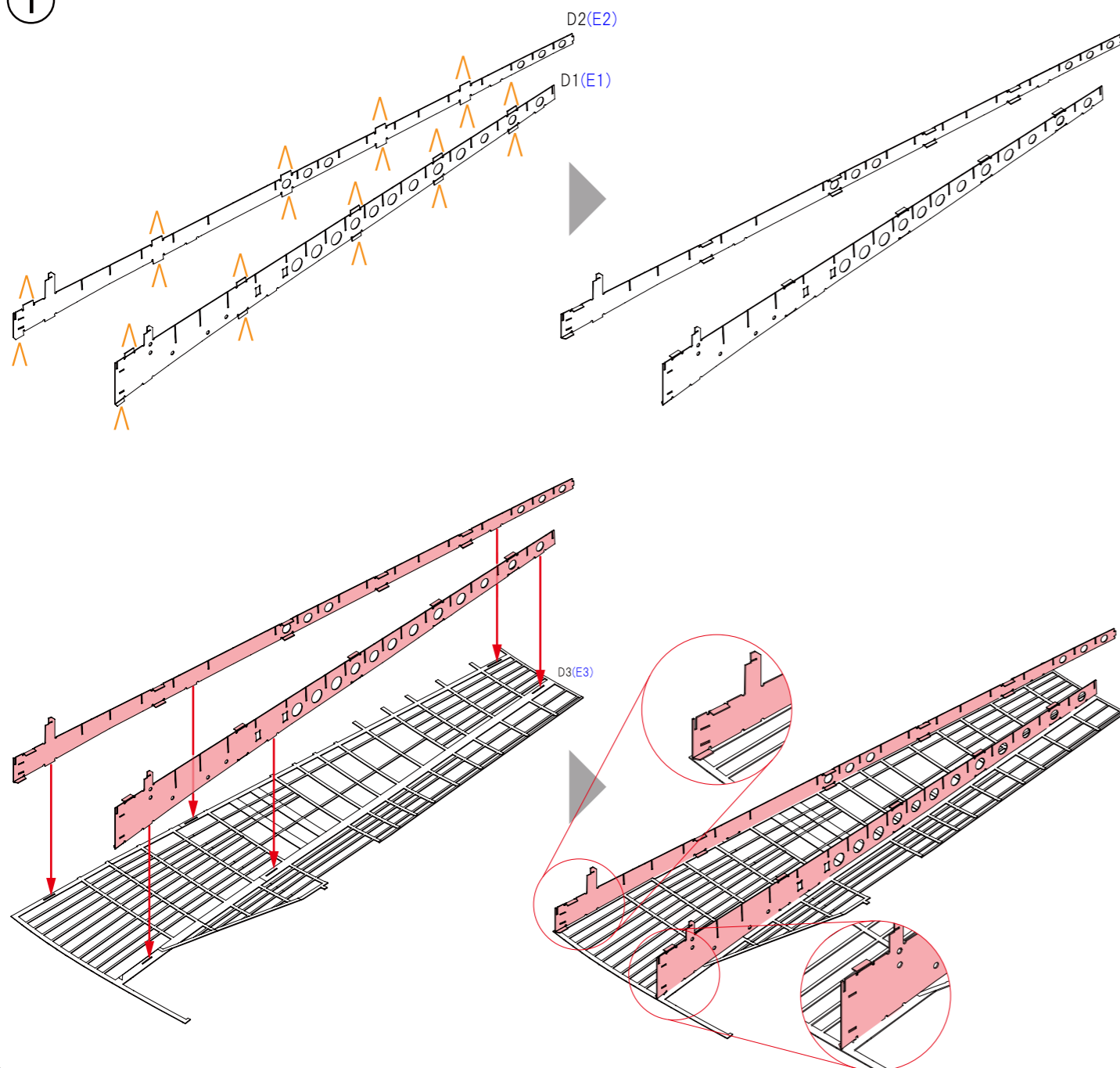
# desktopMUSTANG

31

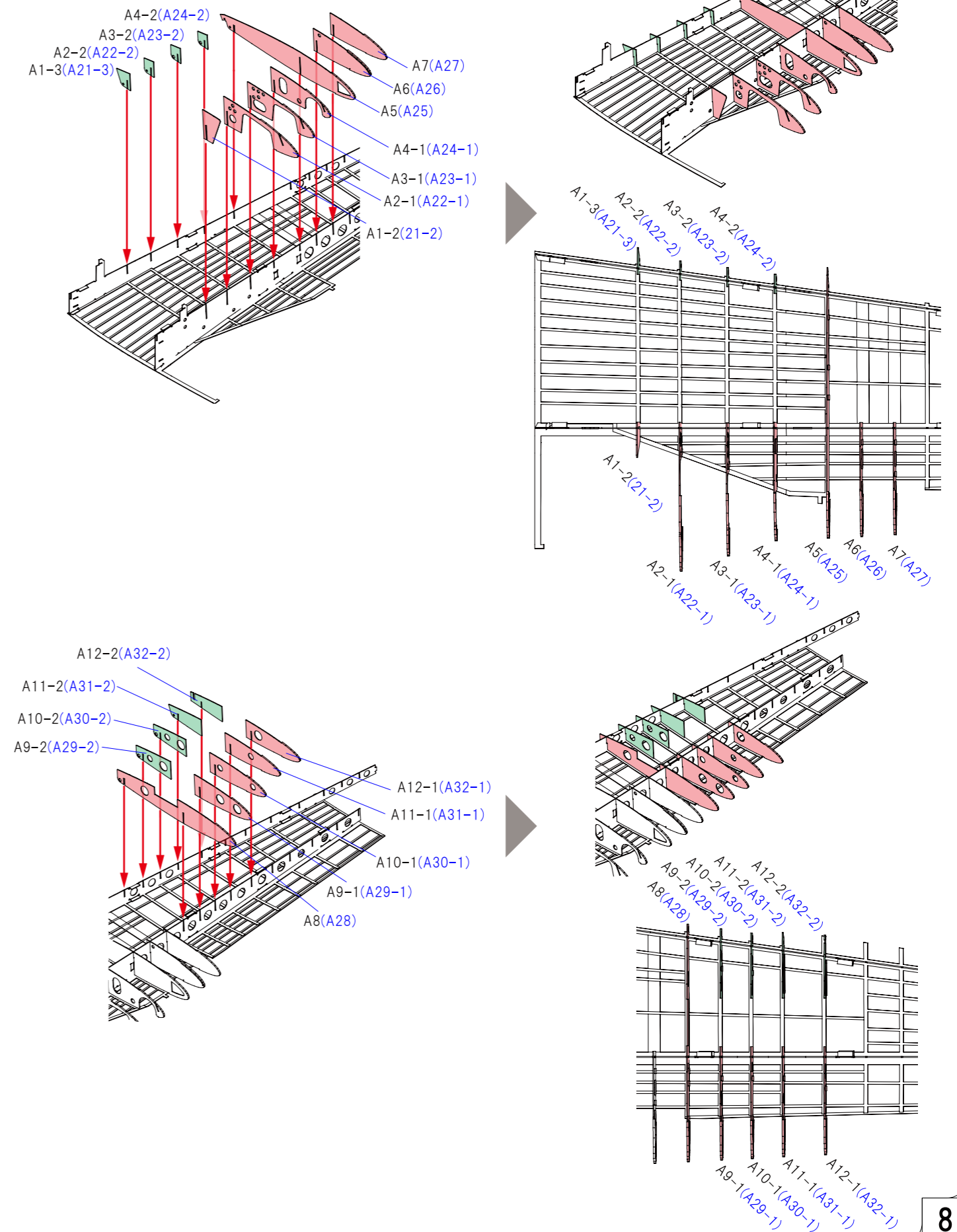


## 主翼 ( 左翼 ) / Main wing ( left )

1



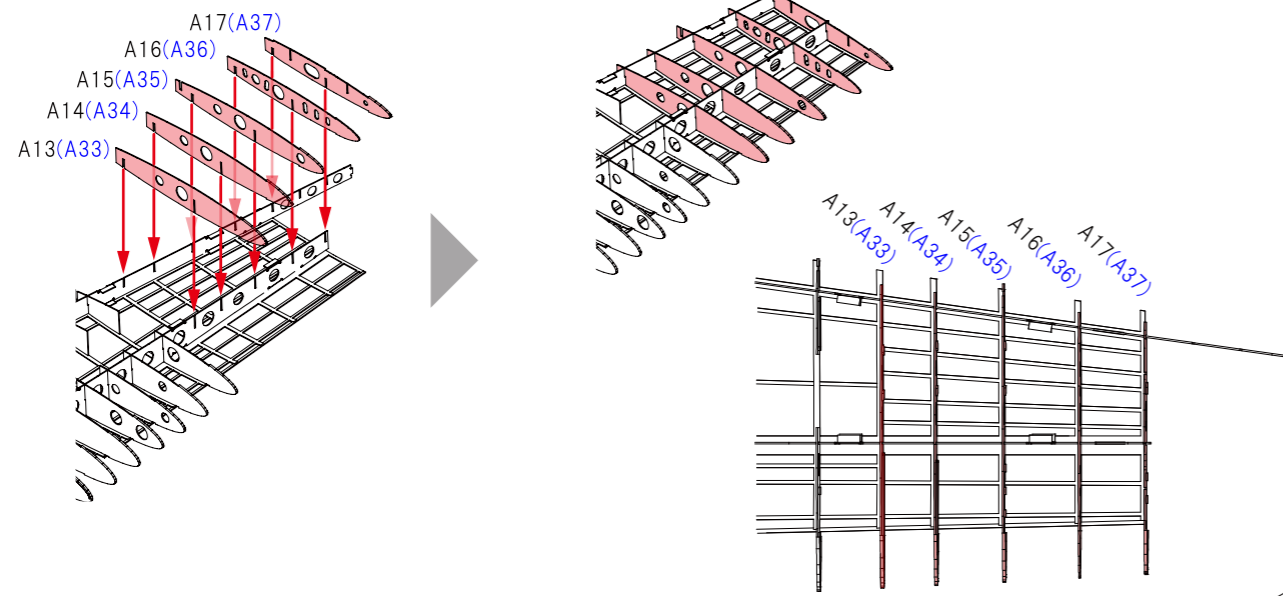
2



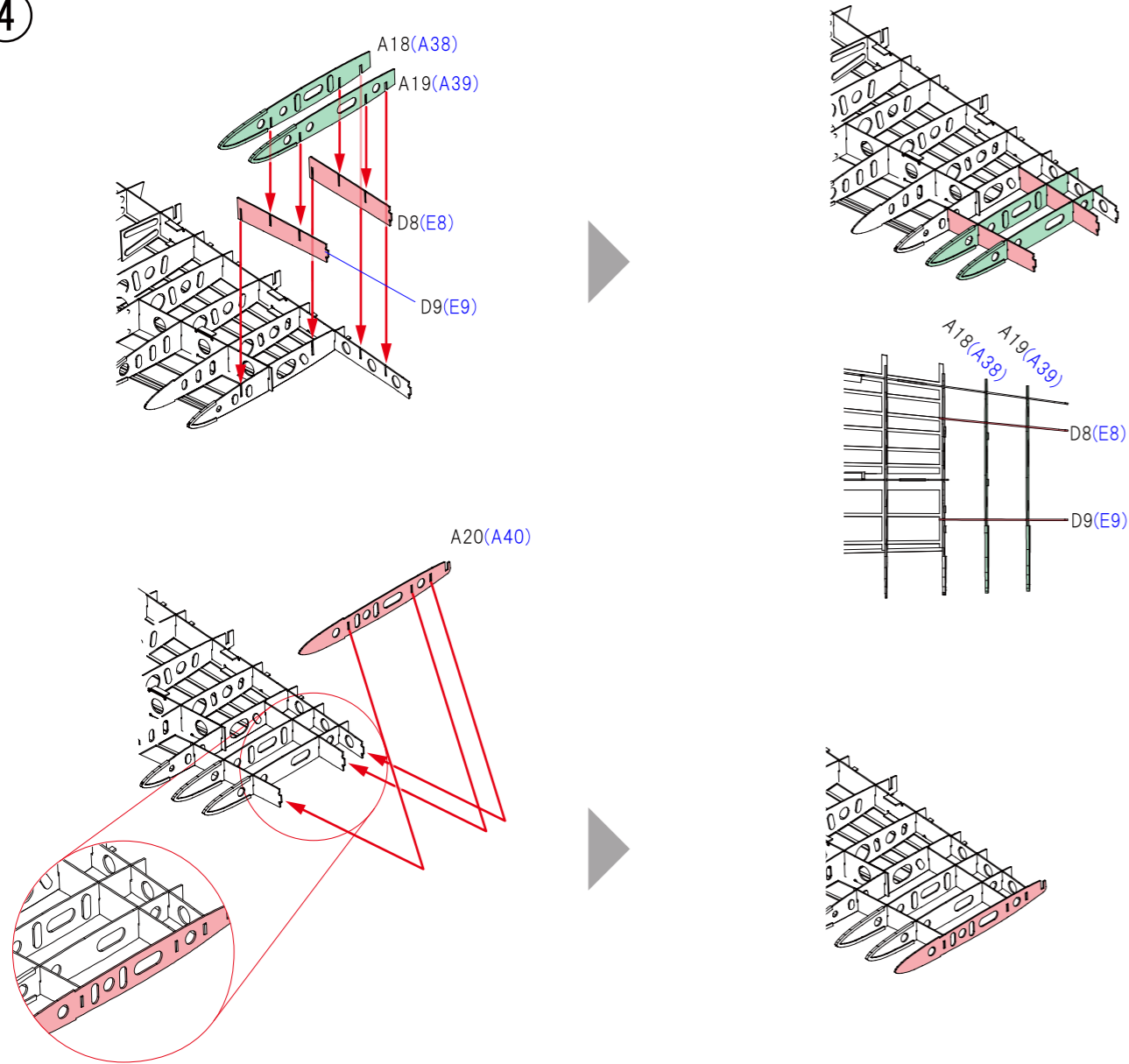


# desktopMUSTANG

3



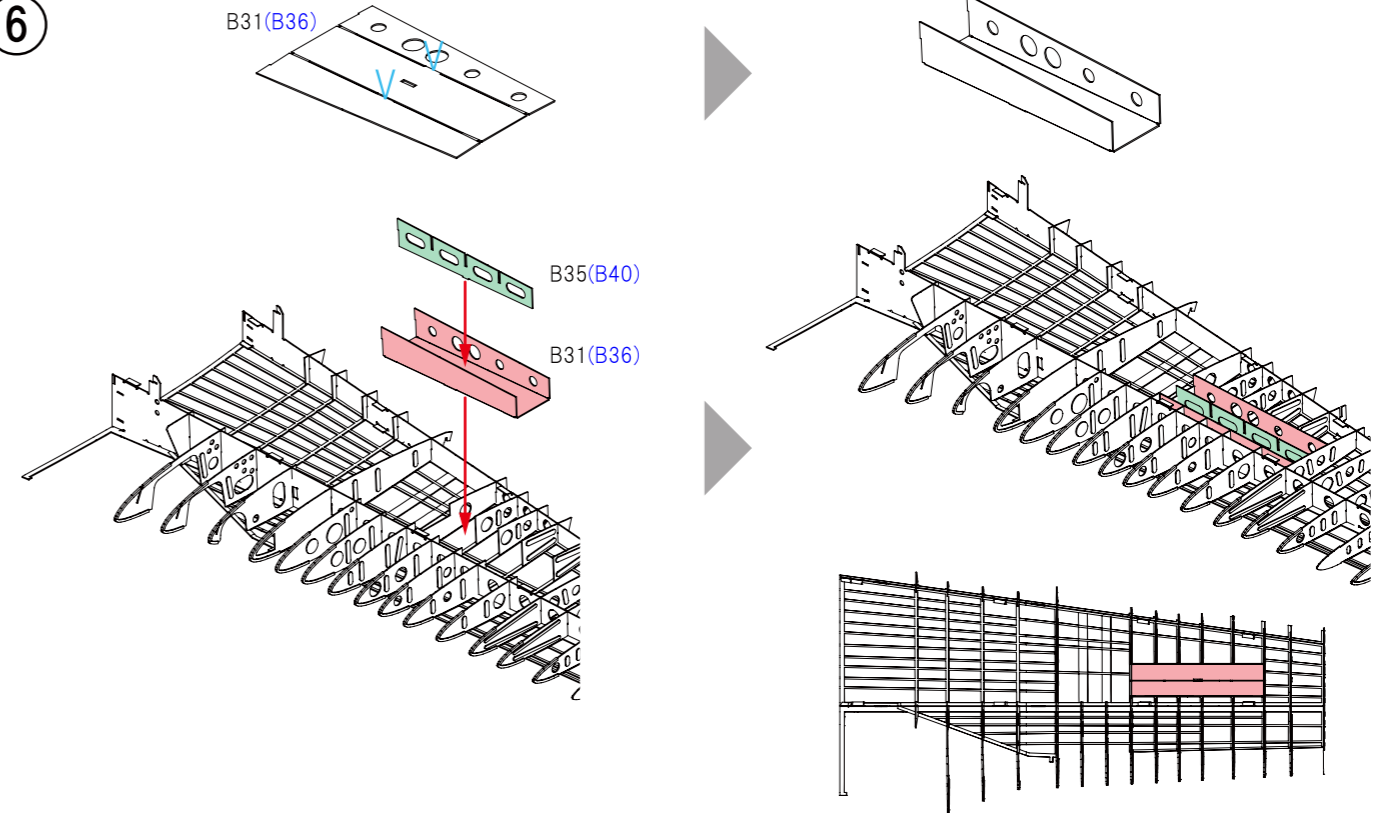
4



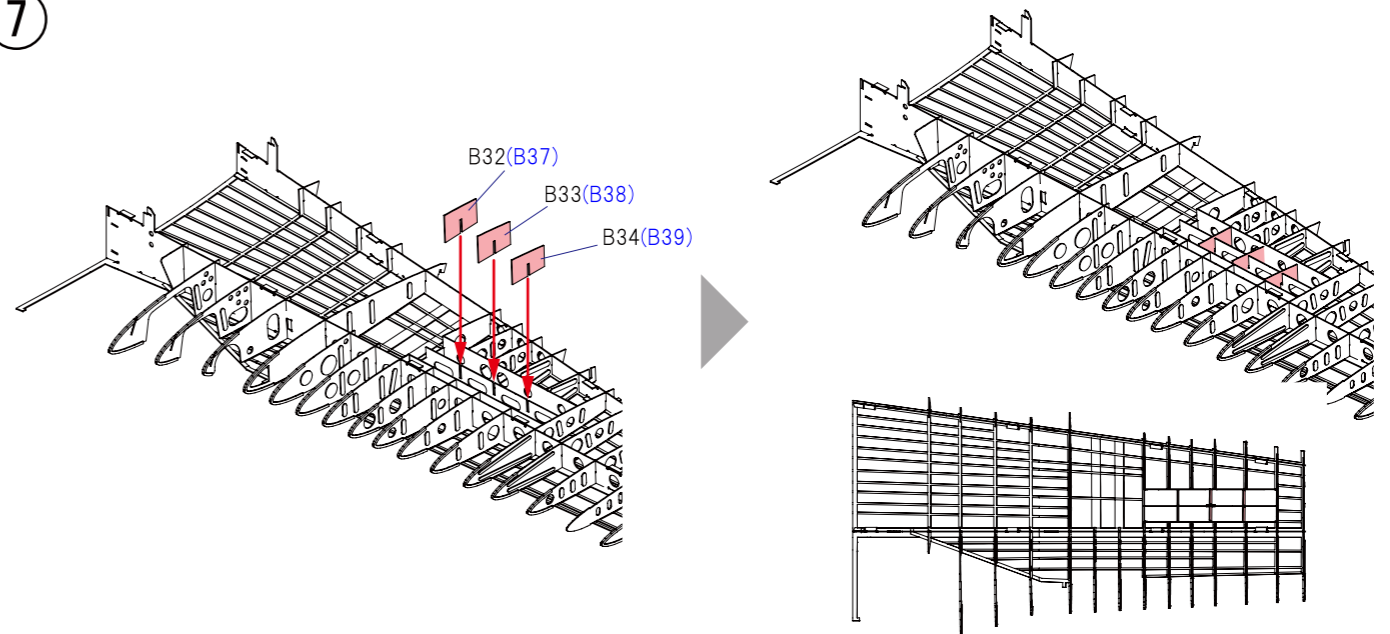
5



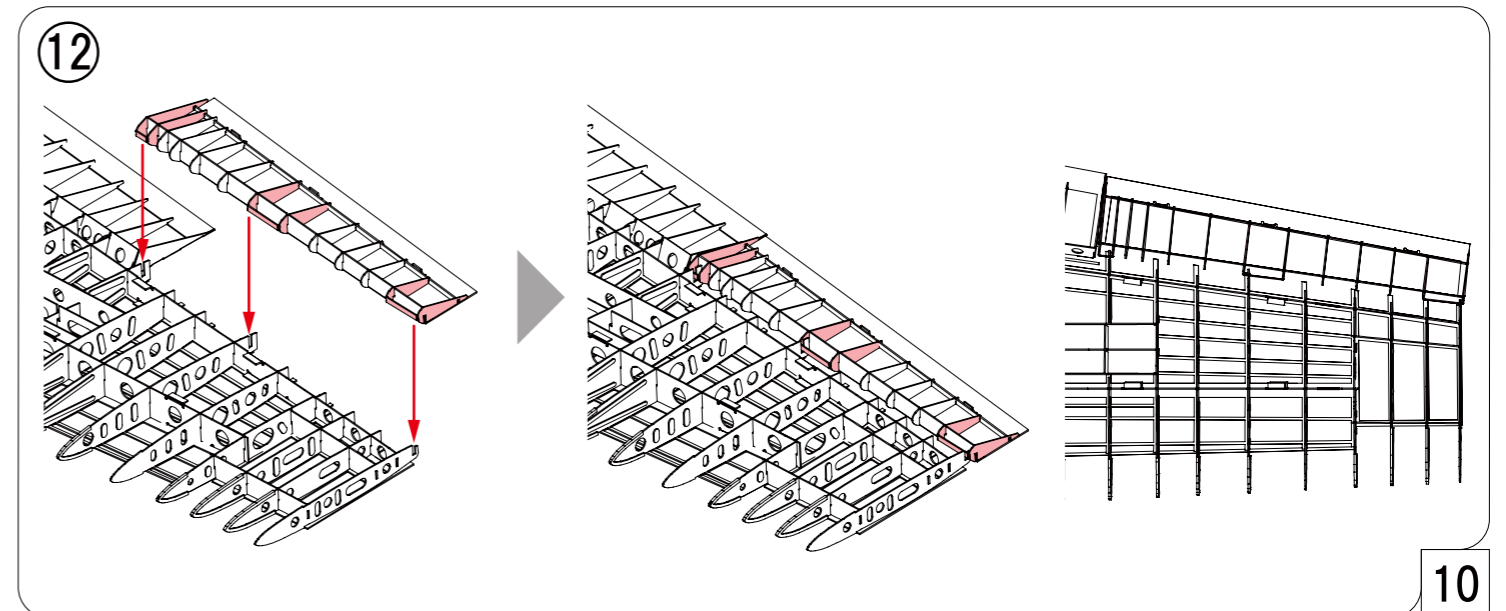
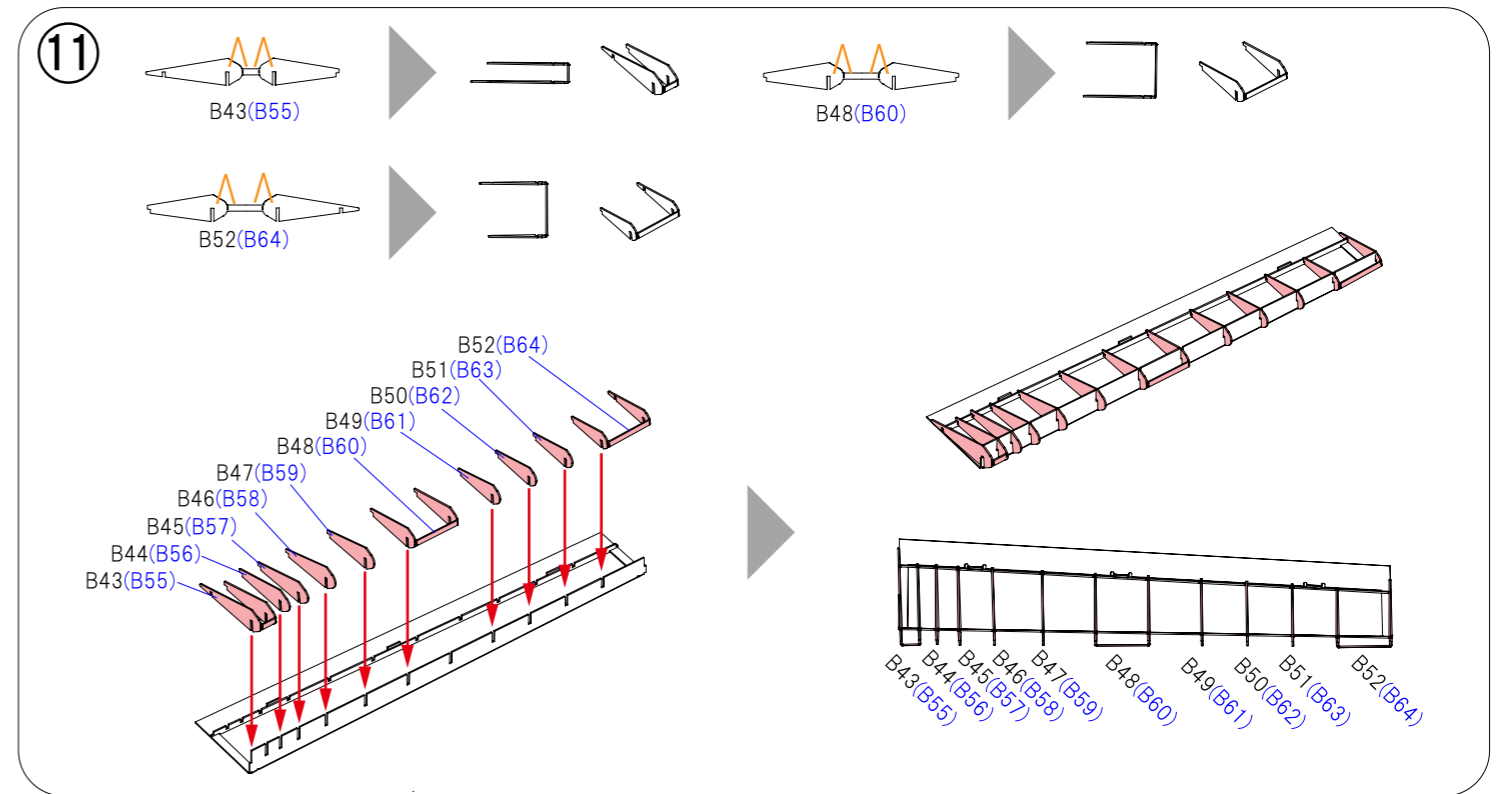
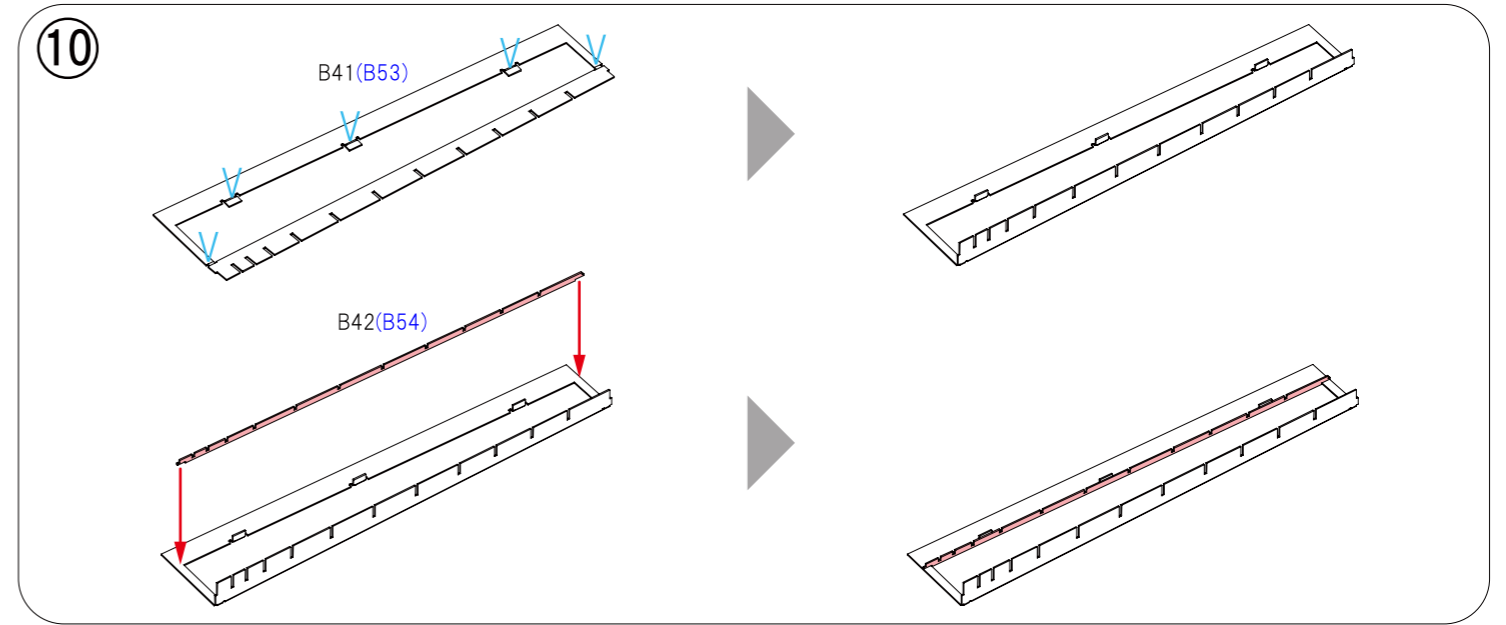
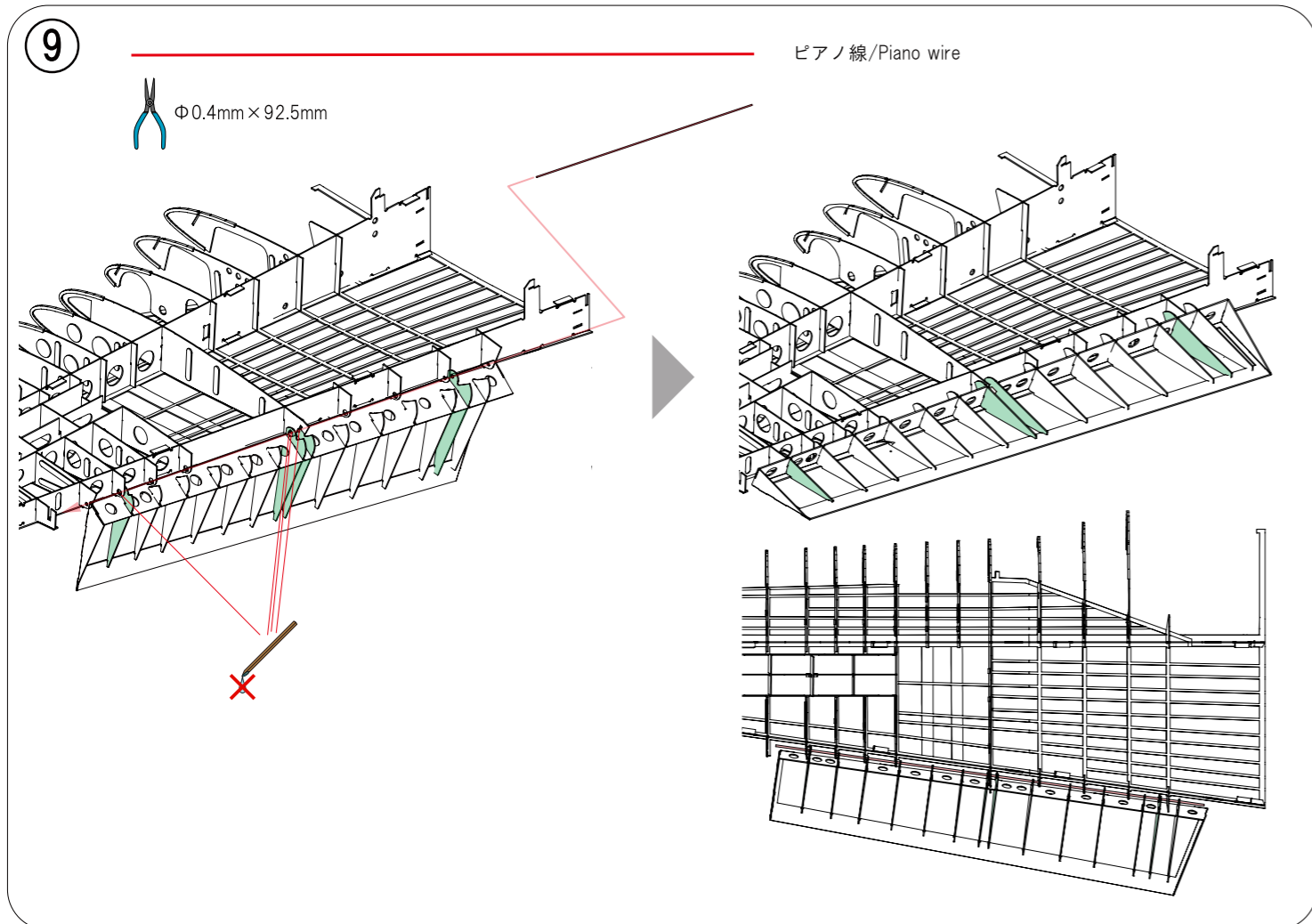
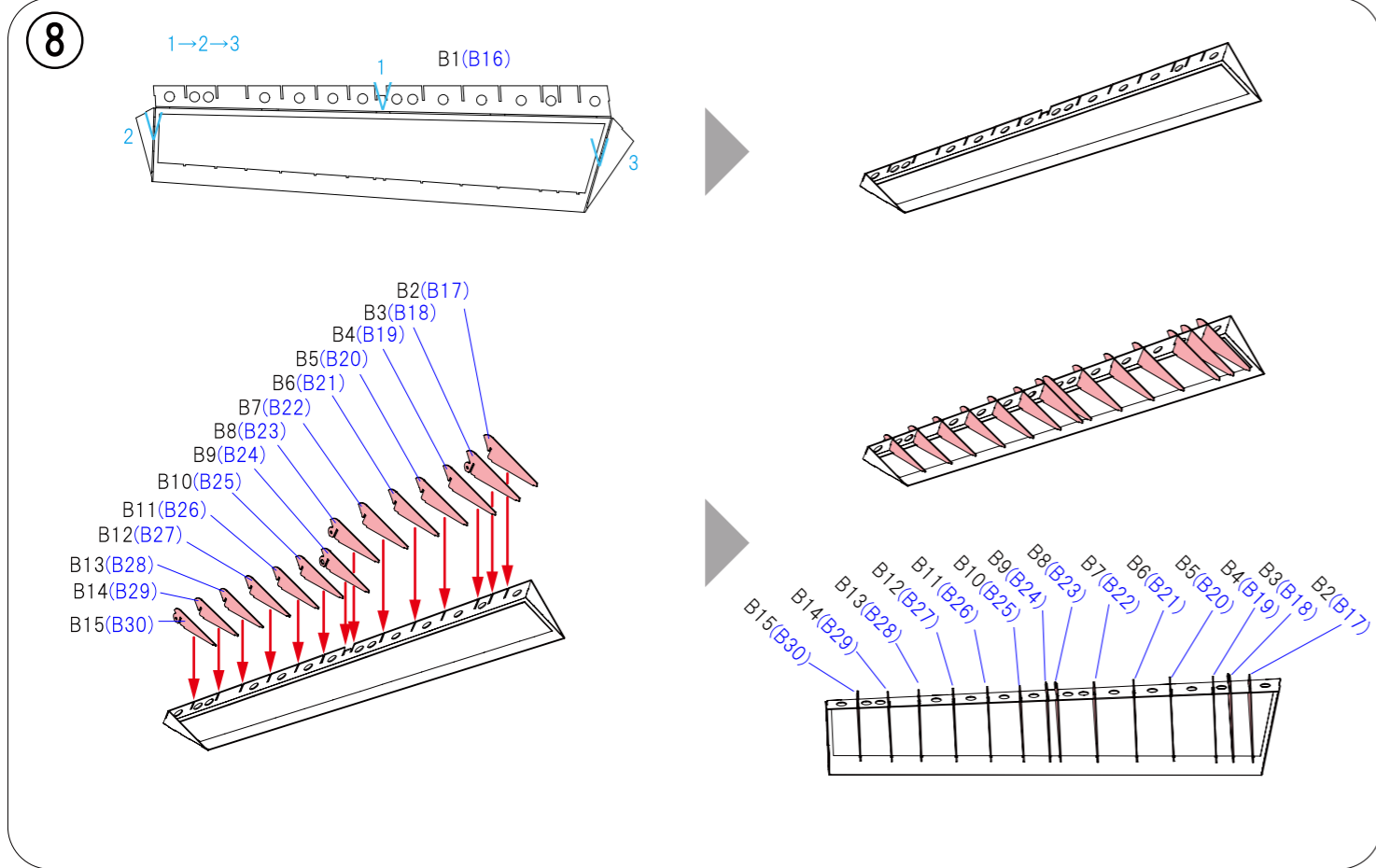
6



7

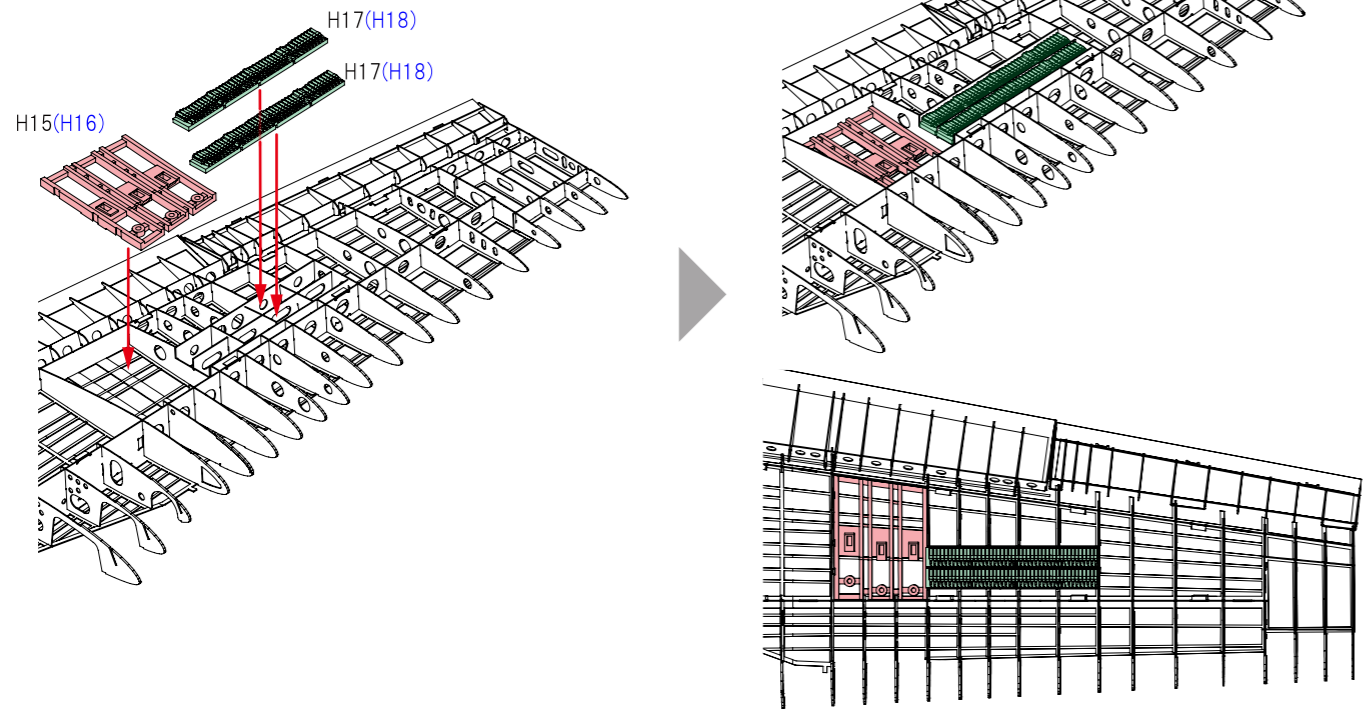


# desktopMUSTANG

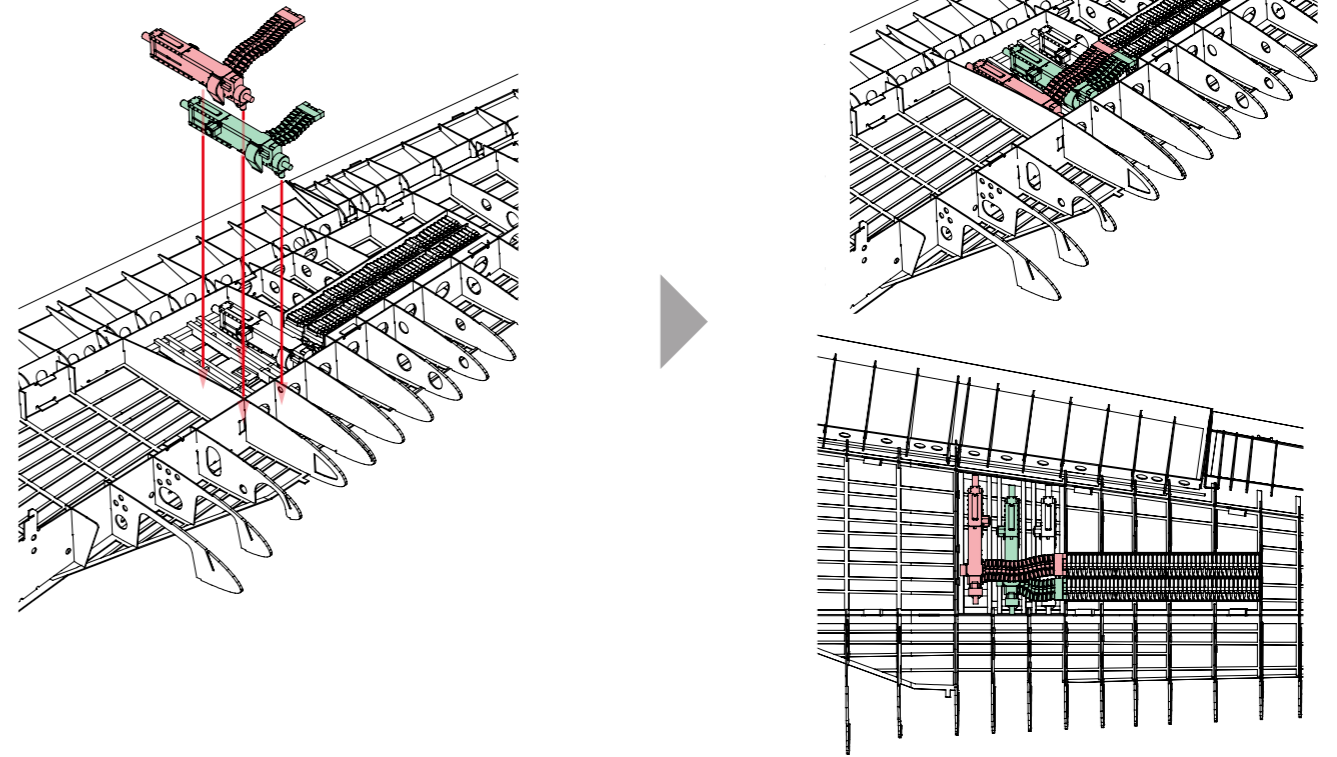


# desktopMUSTANG

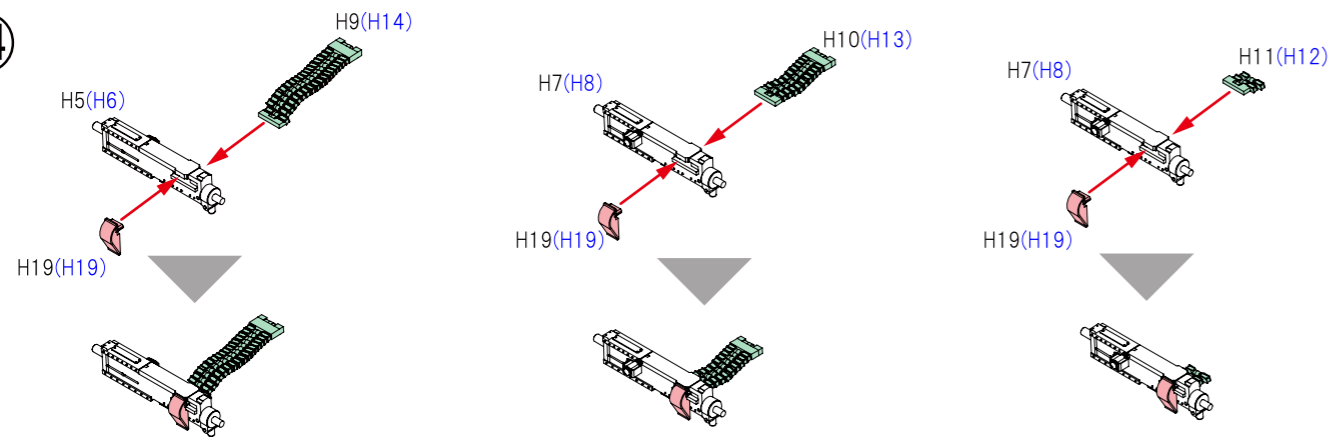
13



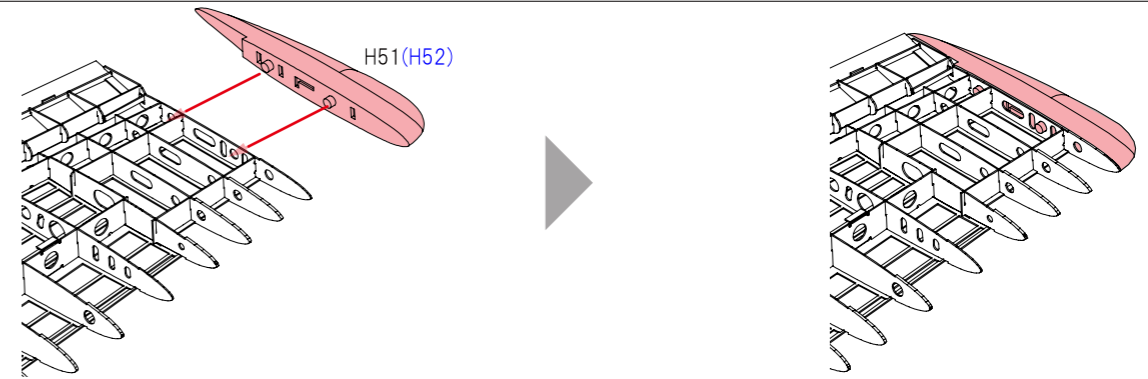
16



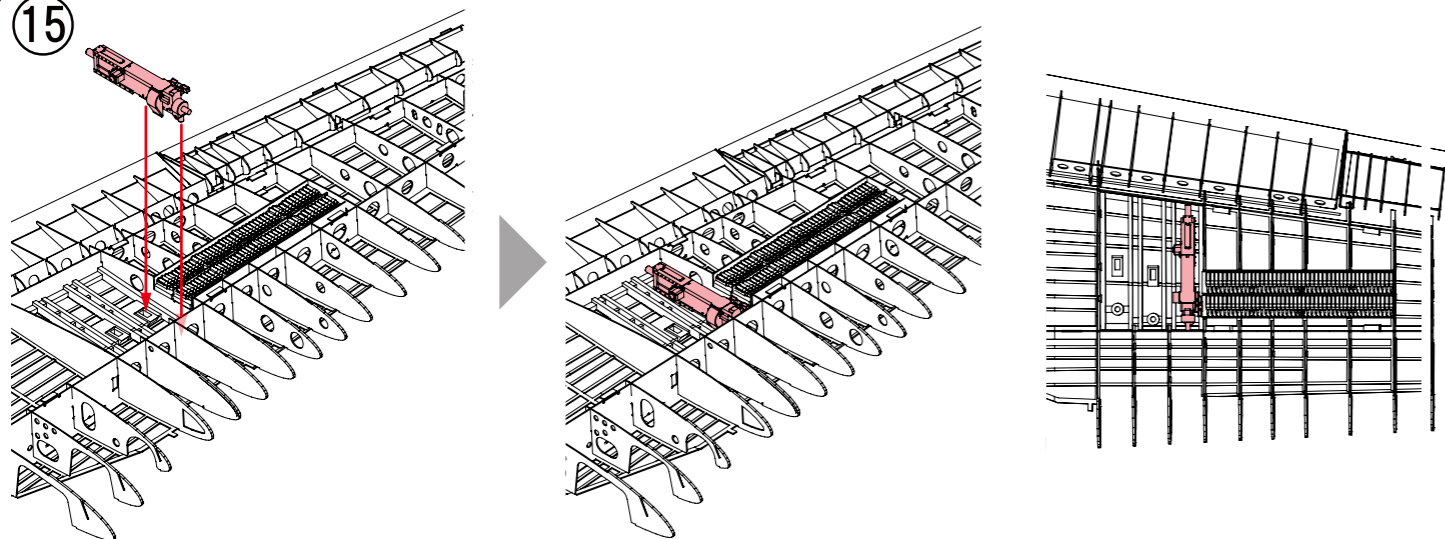
14



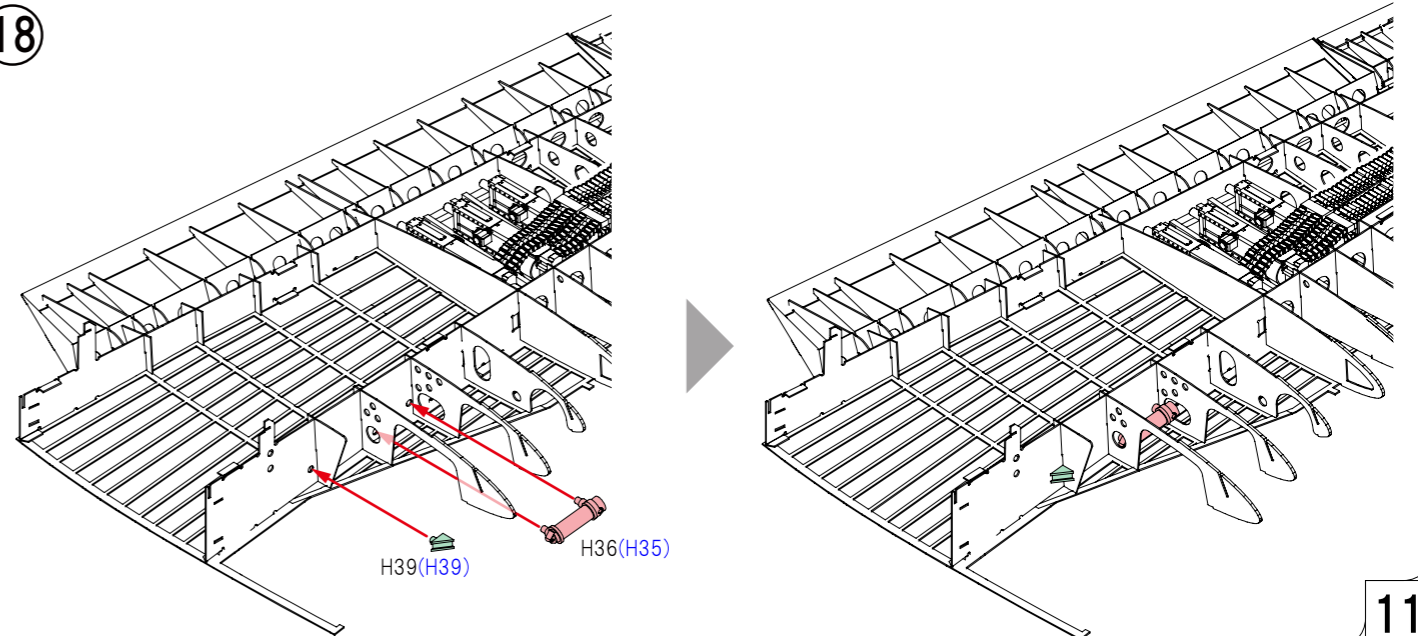
17



15



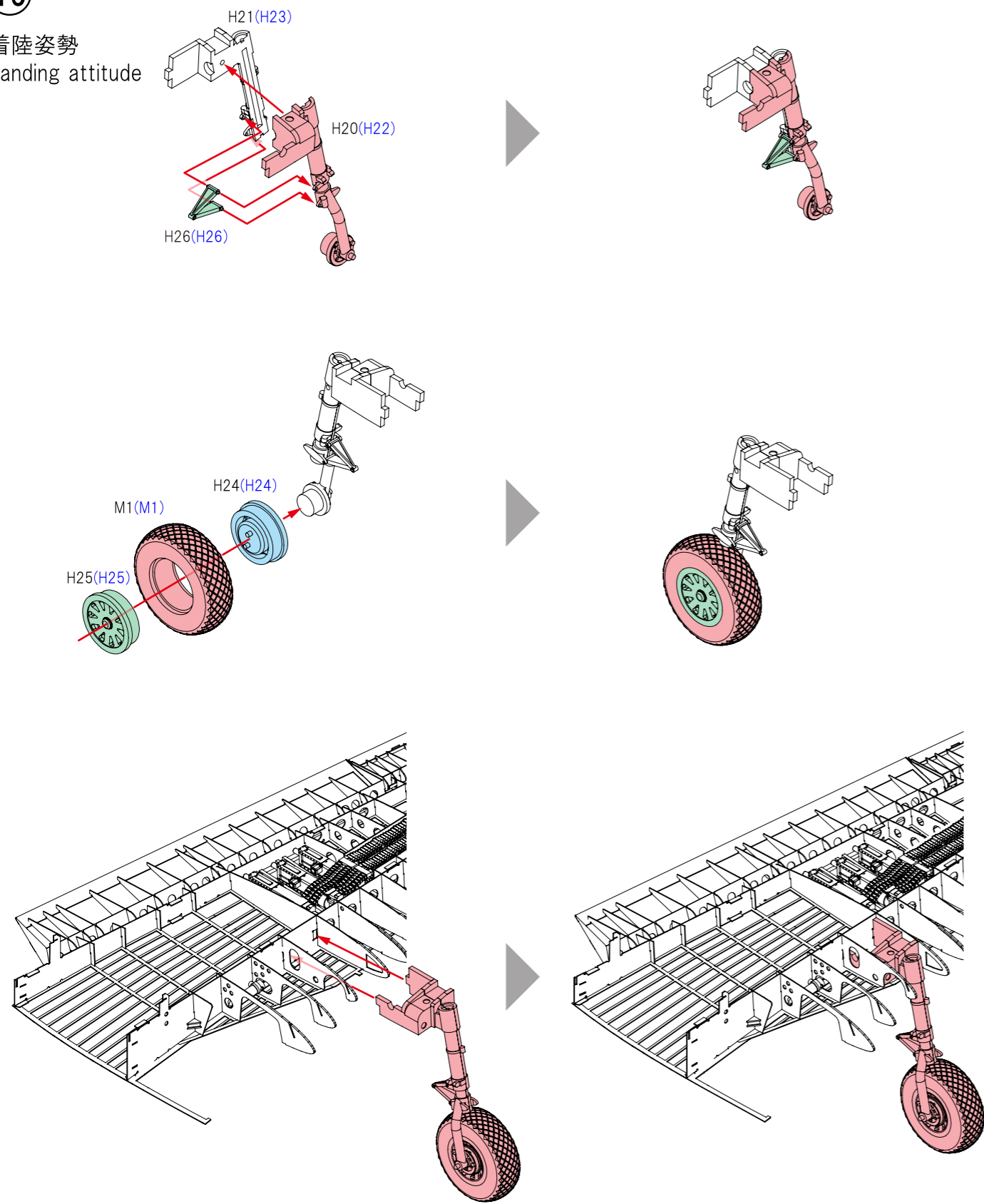
18



# desktopMUSTANG

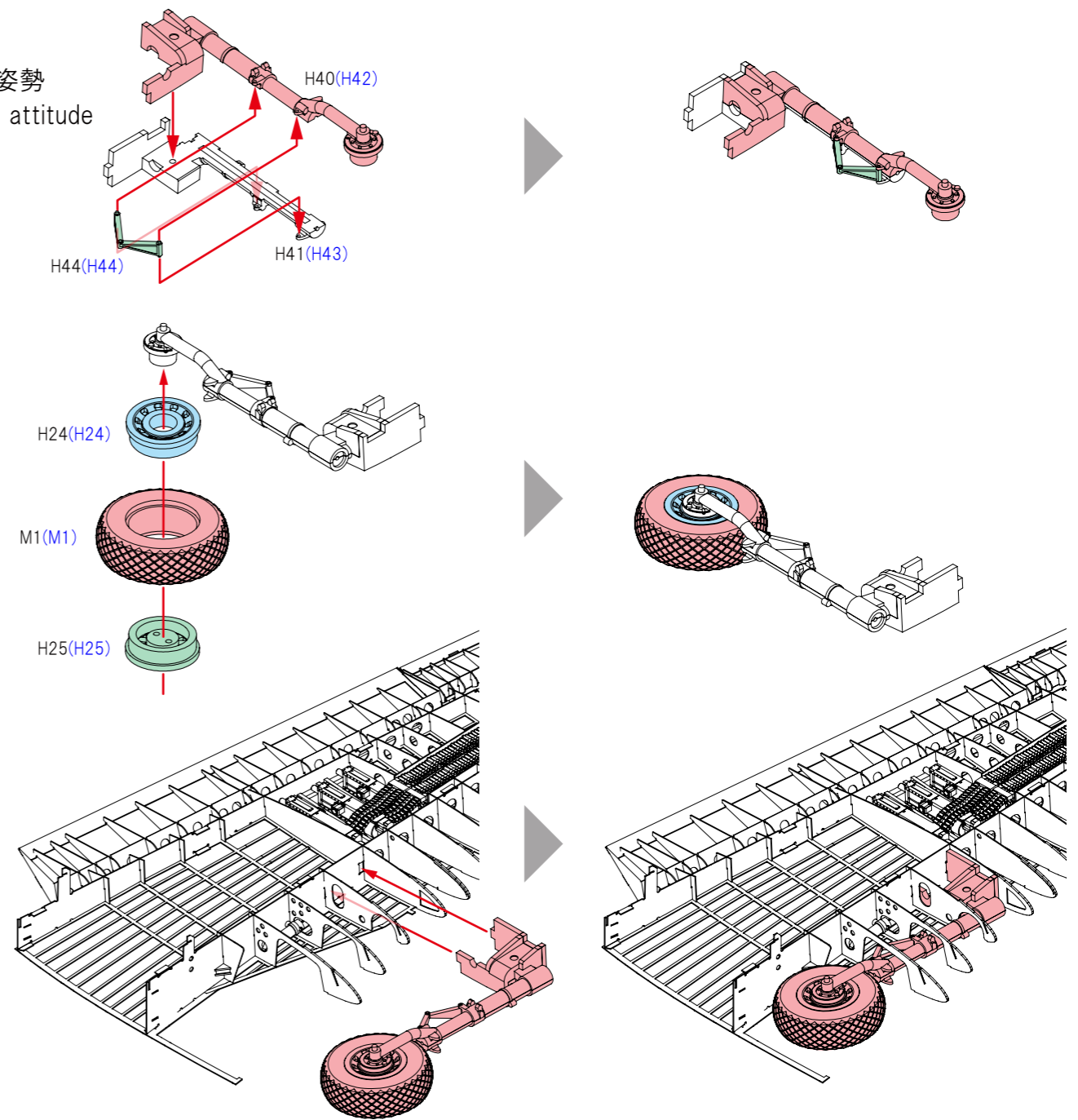
19

着陸姿勢  
Landing attitude

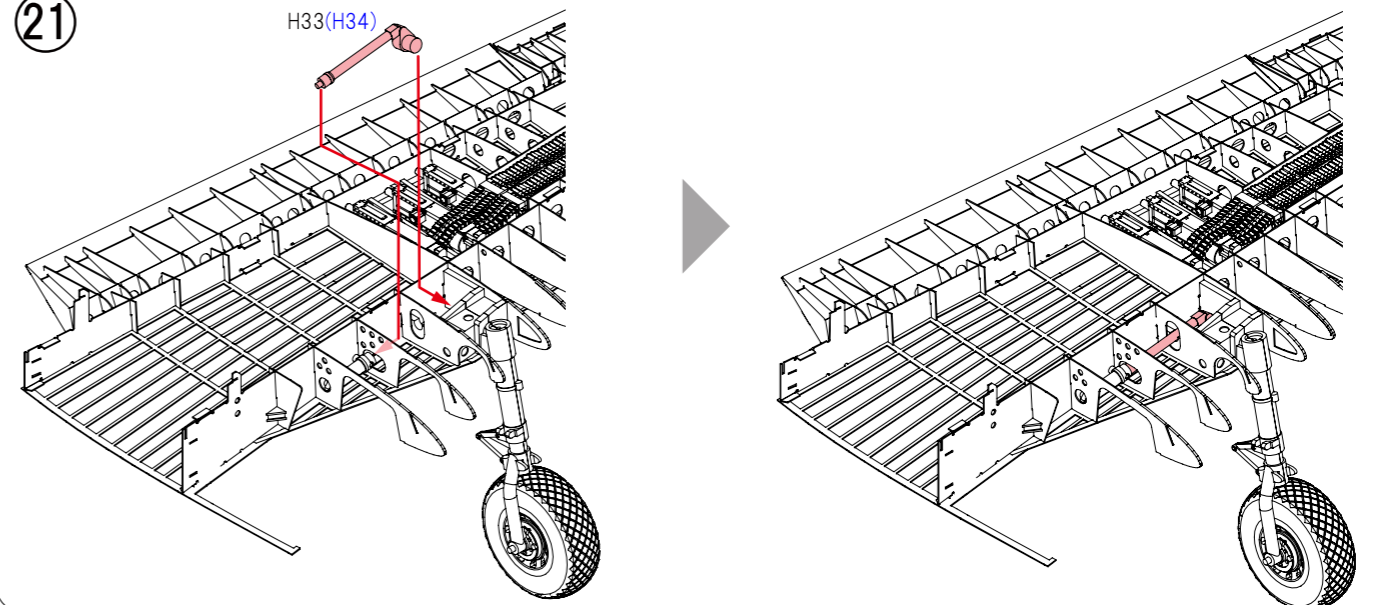


20

飛行姿勢  
Flight attitude

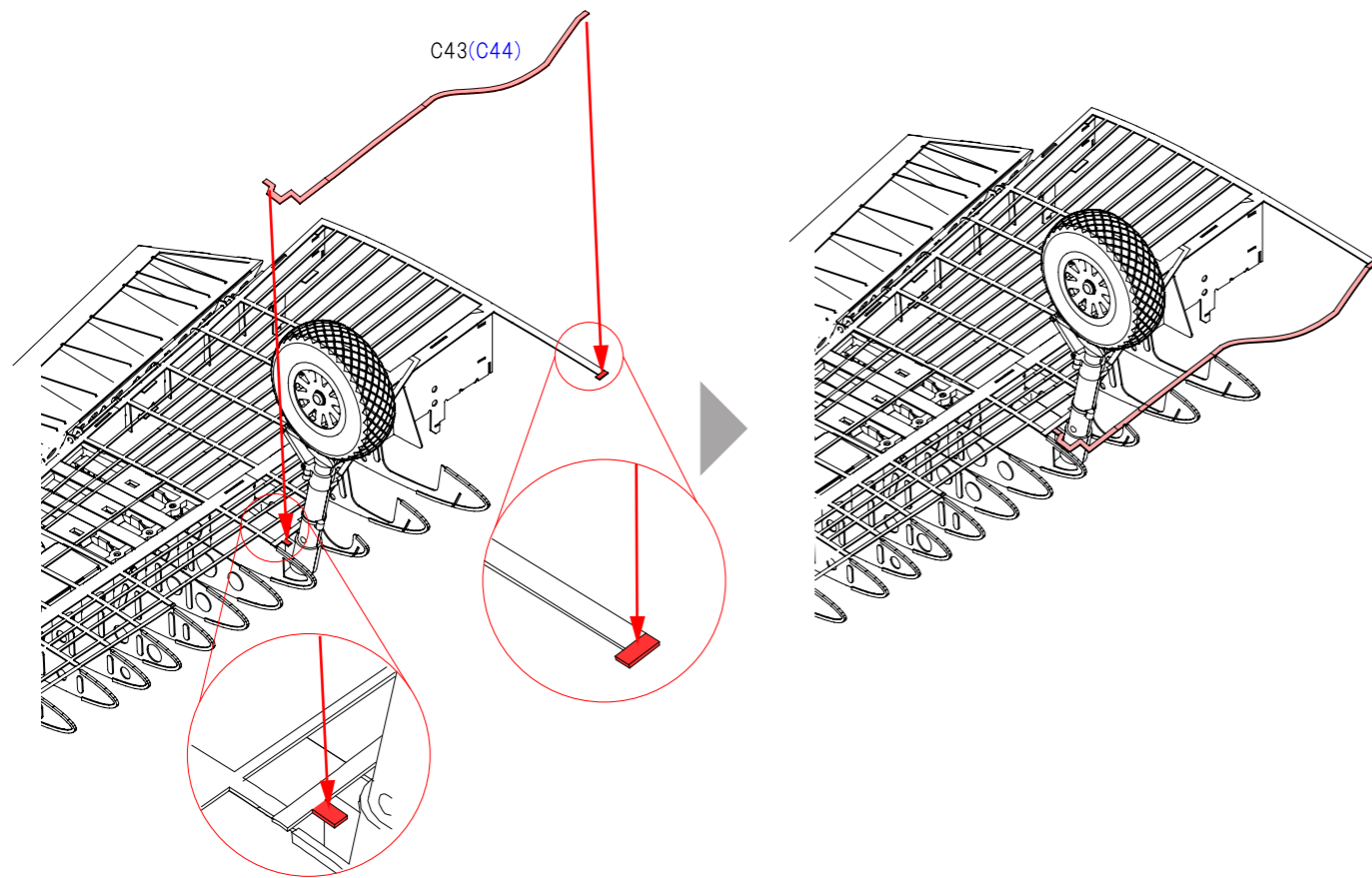


21



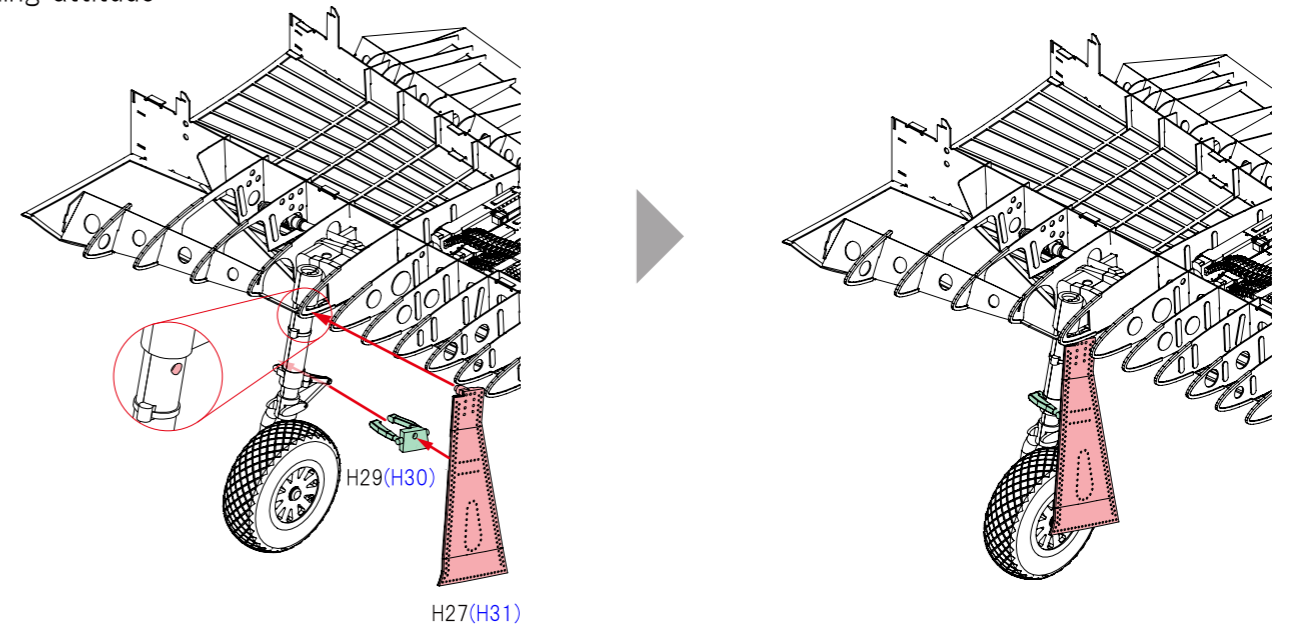
# desktopMUSTANG

22

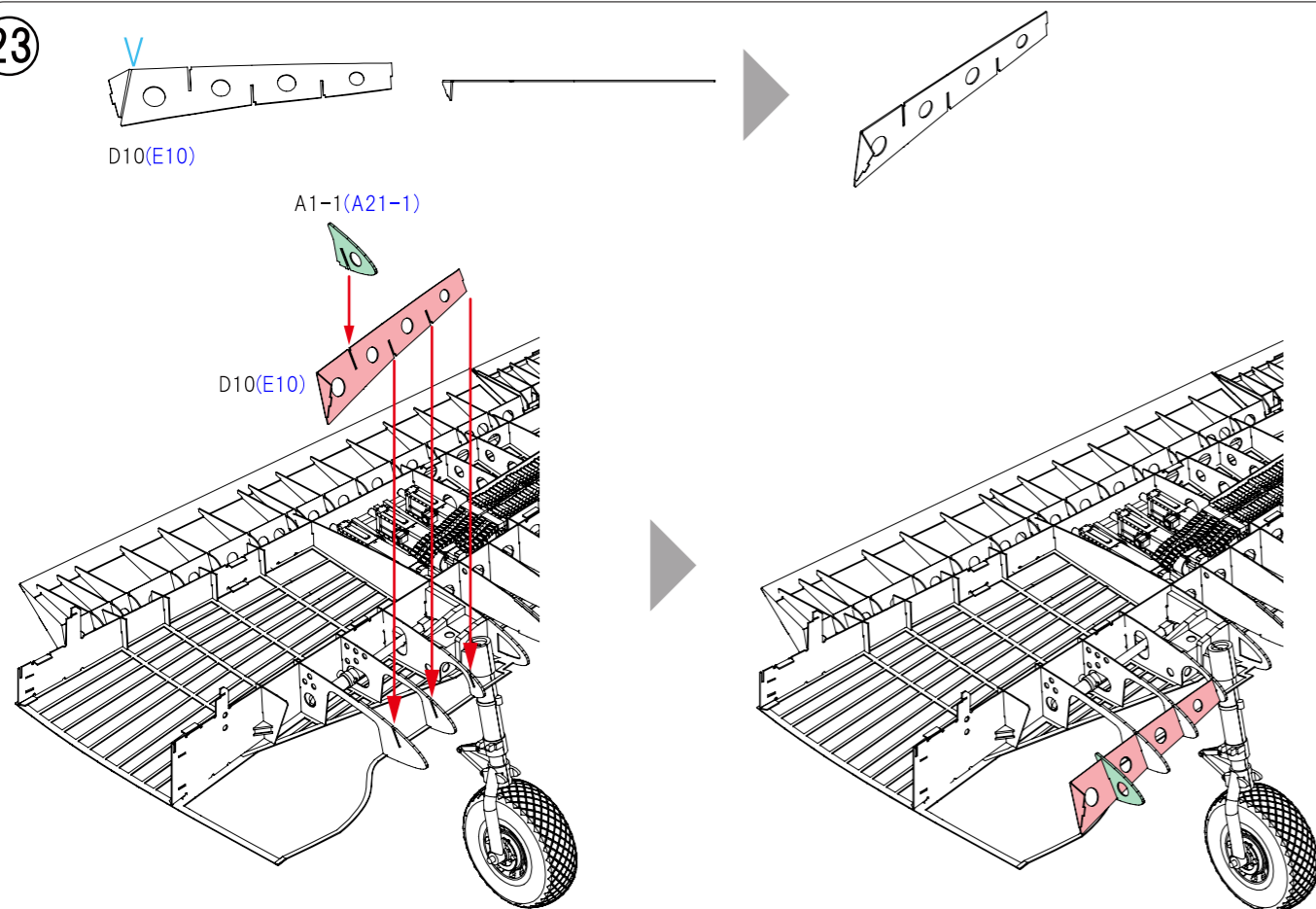


24

着陸姿勢  
Landing attitude



23

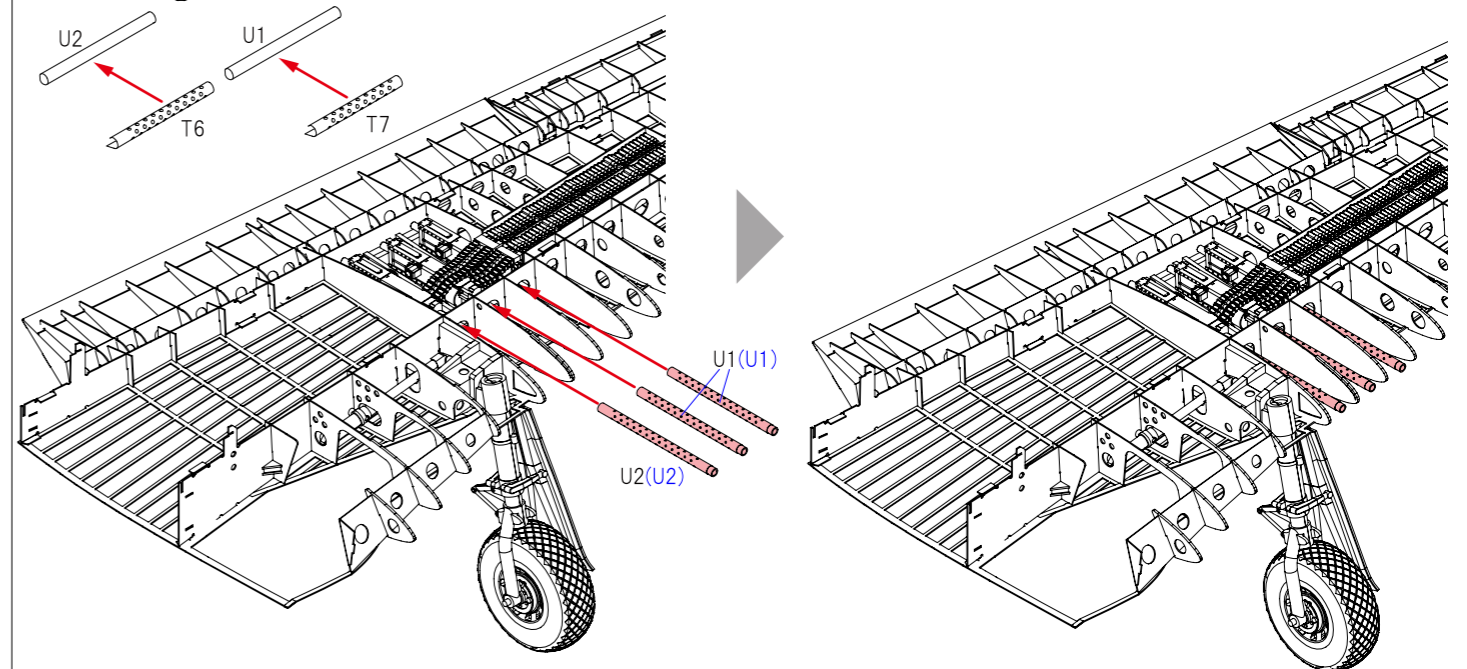


25

アルミパイプ/Aluminum pipes

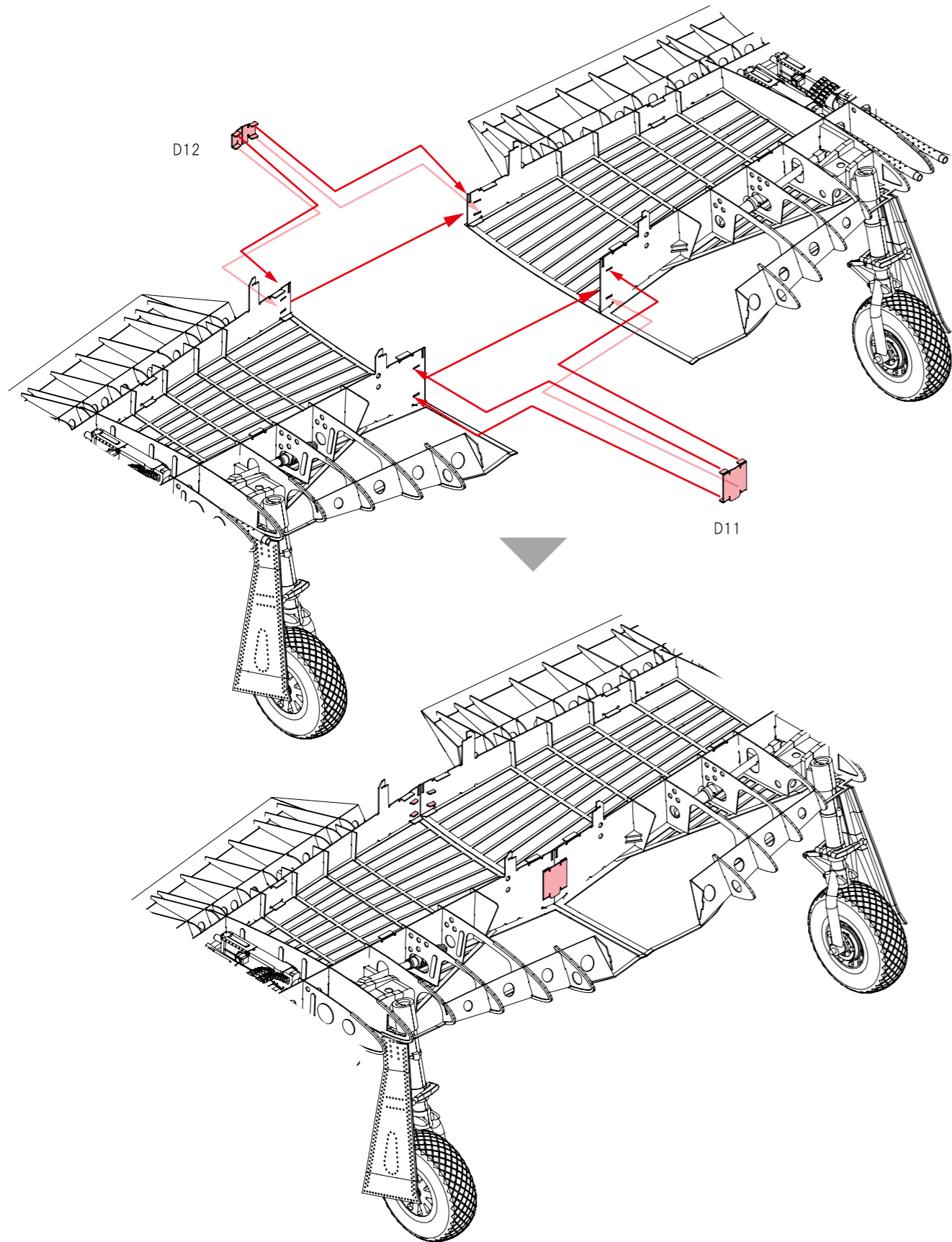
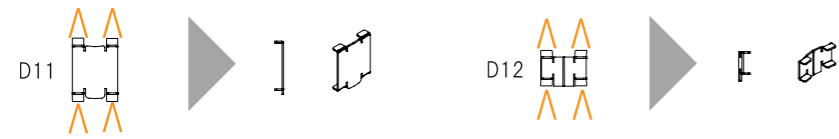
U1  $\Phi 1.4\text{mm} \times 23\text{mm} \times 4$

U2  $\Phi 1.4\text{mm} \times 25\text{mm} \times 2$

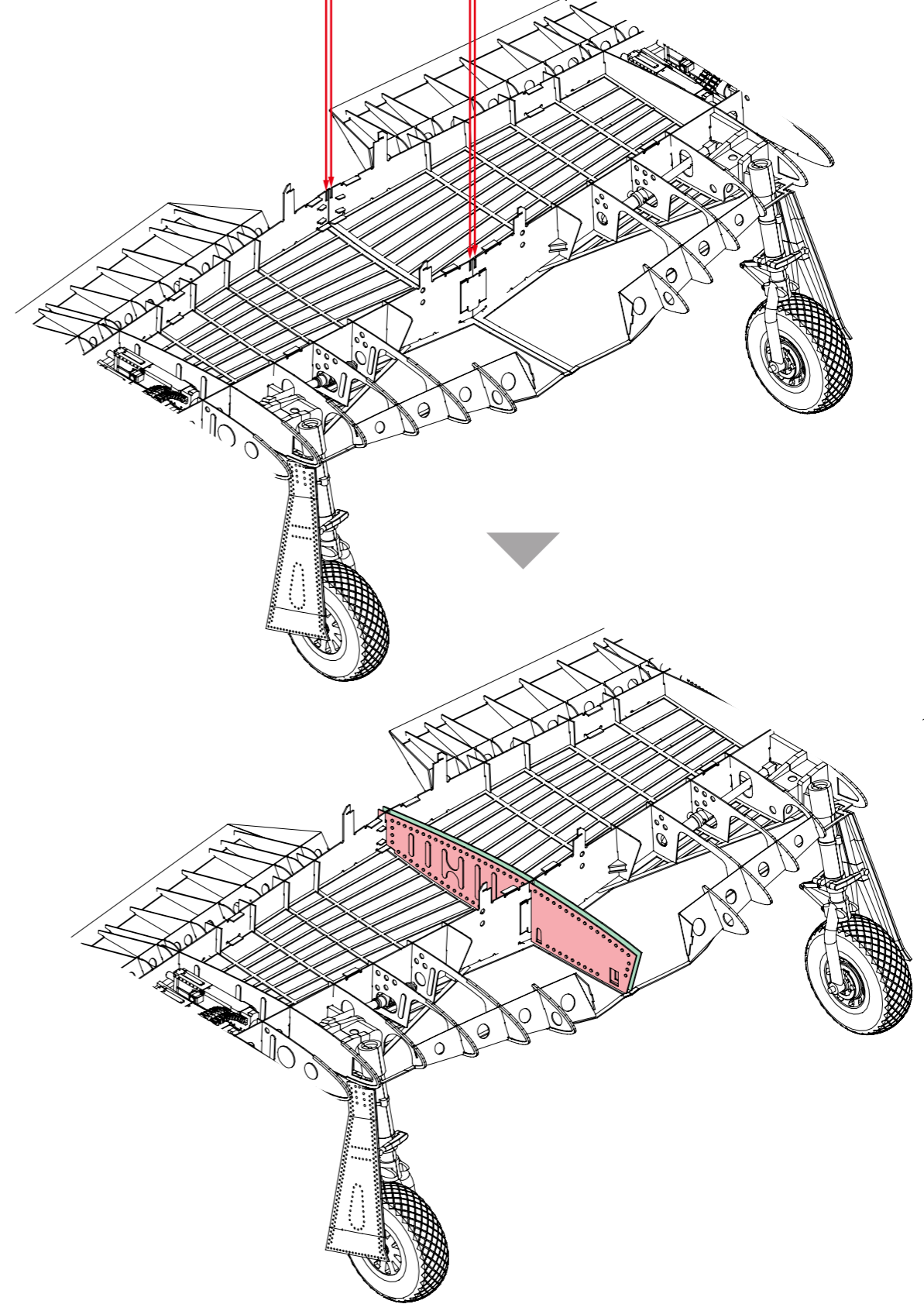
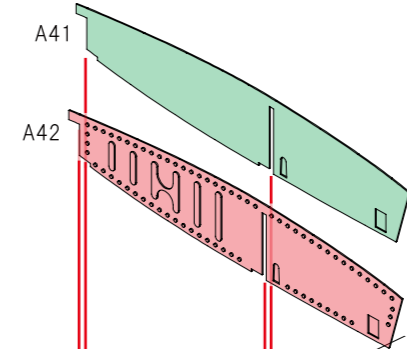


# desktopMUSTANG

26

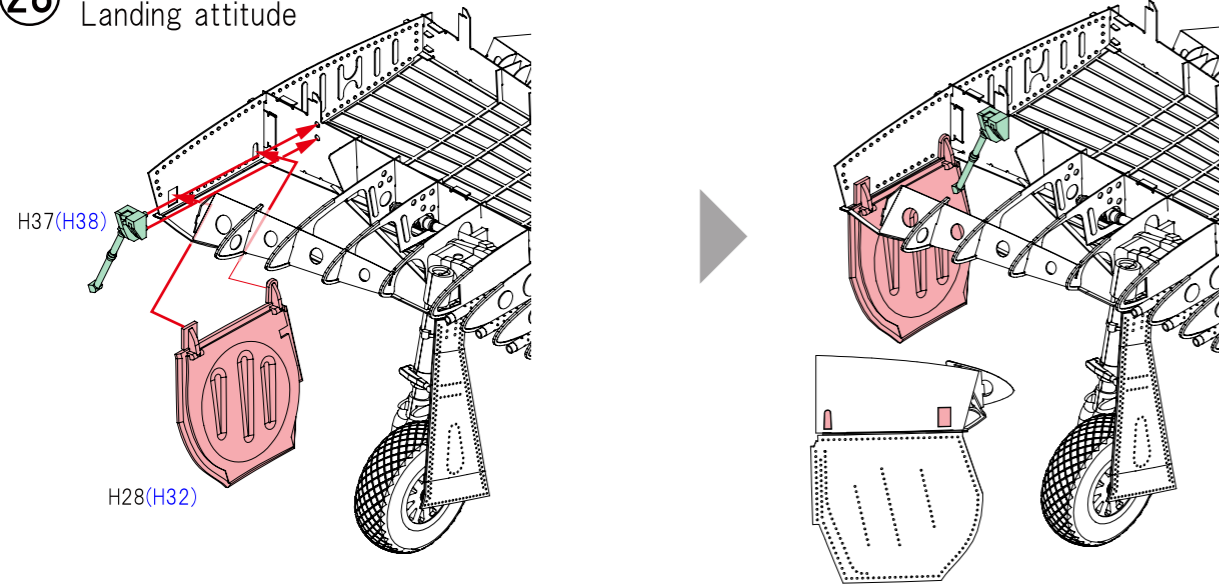


27

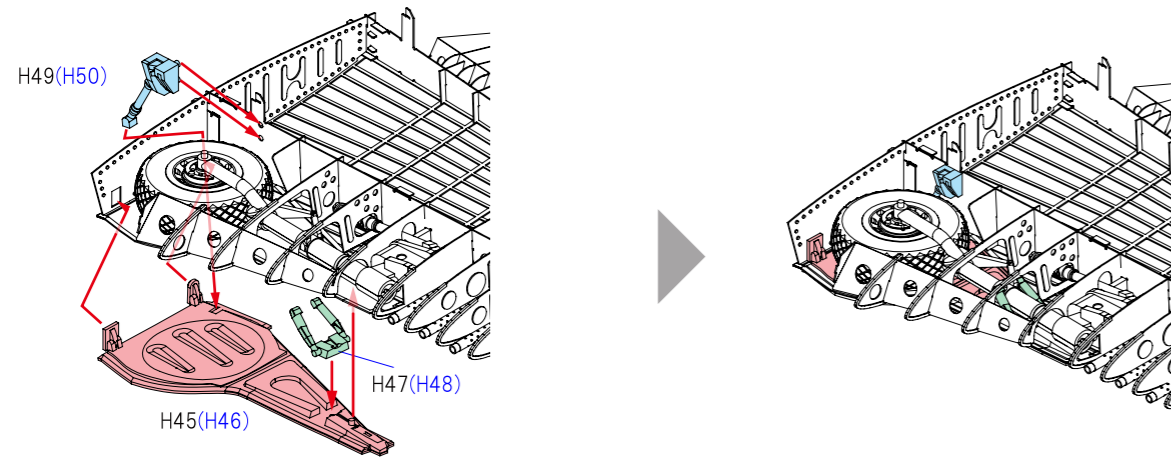


# desktopMUSTANG

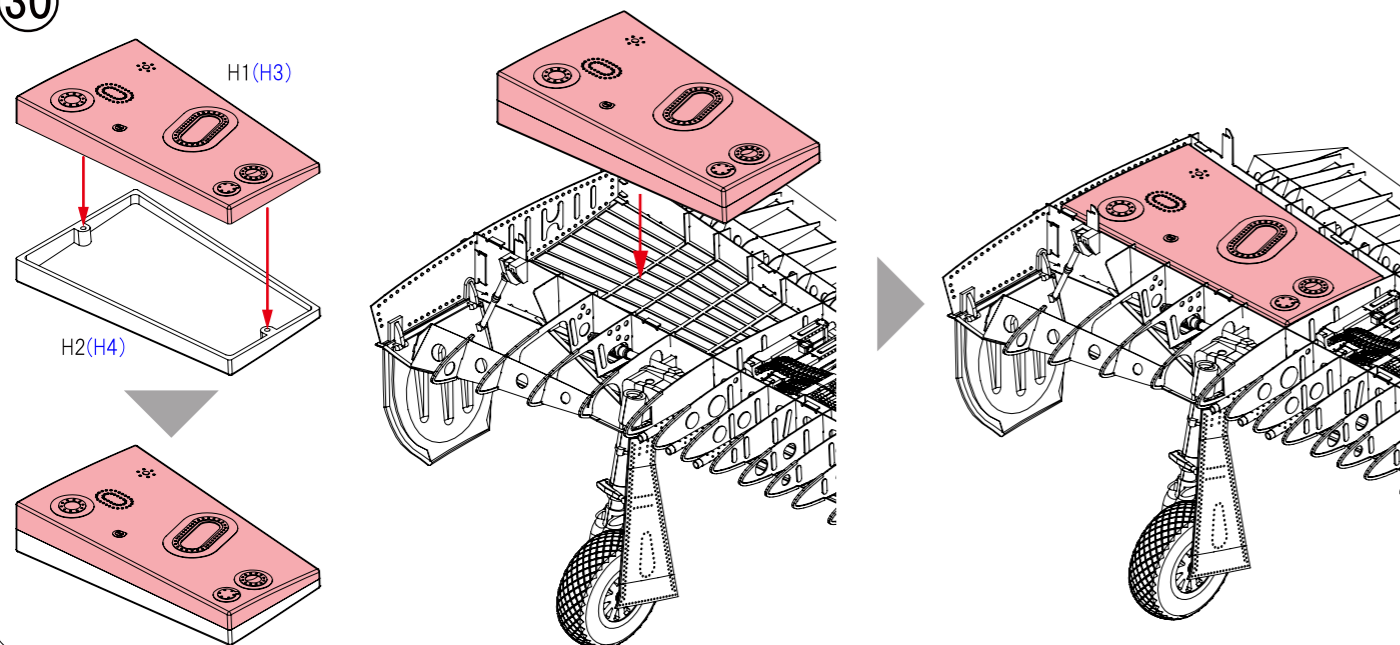
28 着陸姿勢  
Landing attitude



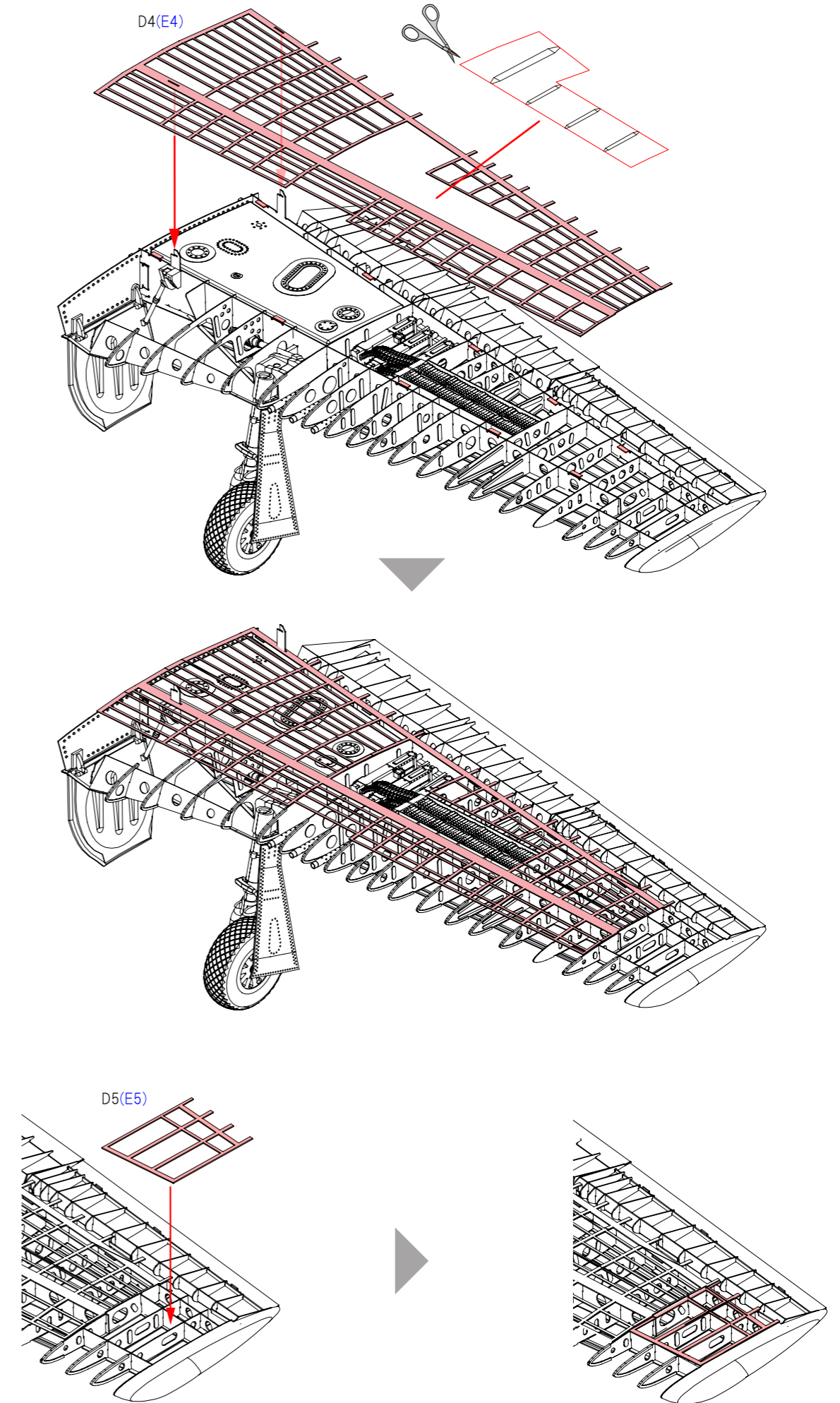
29 飛行姿勢  
Flight attitude



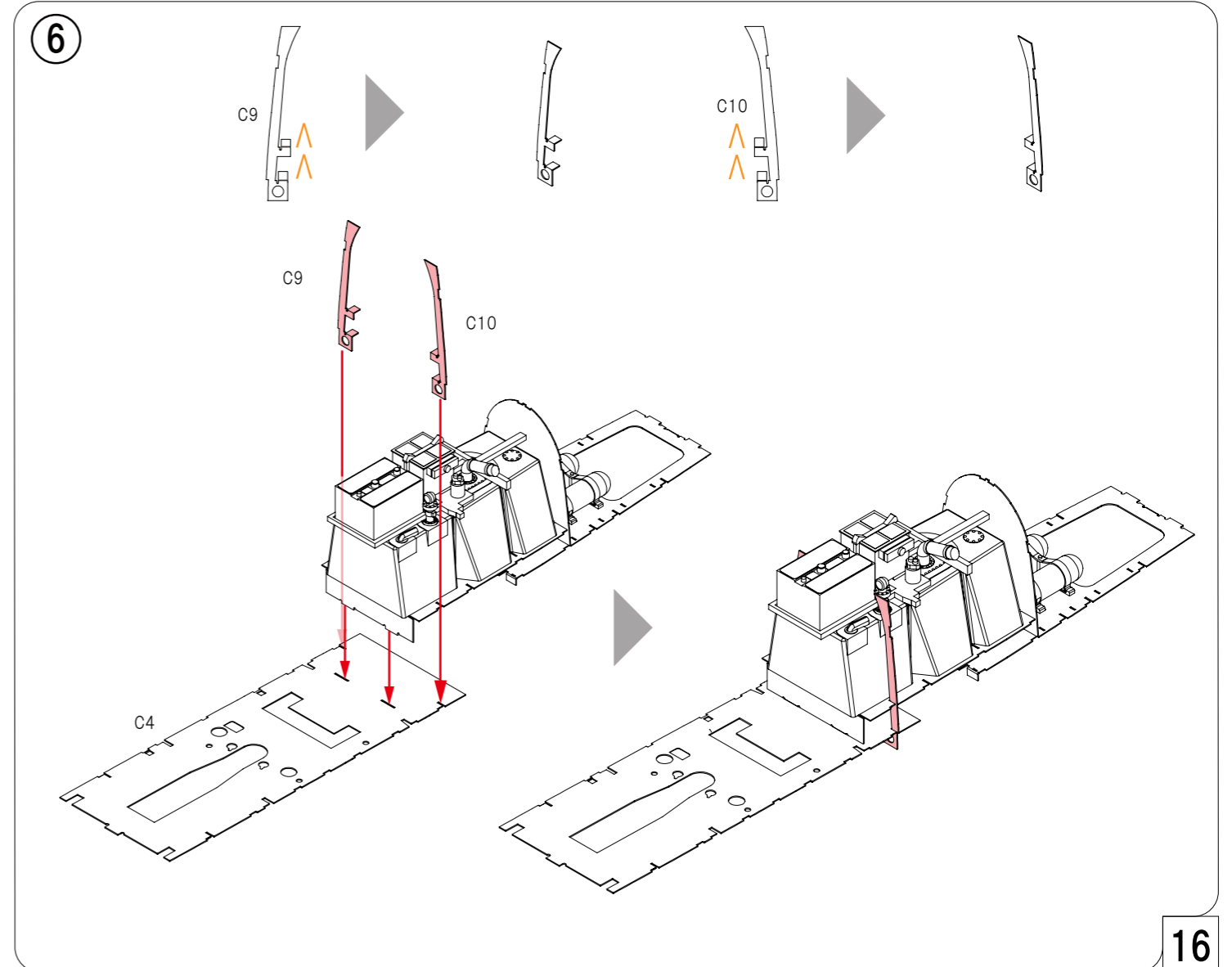
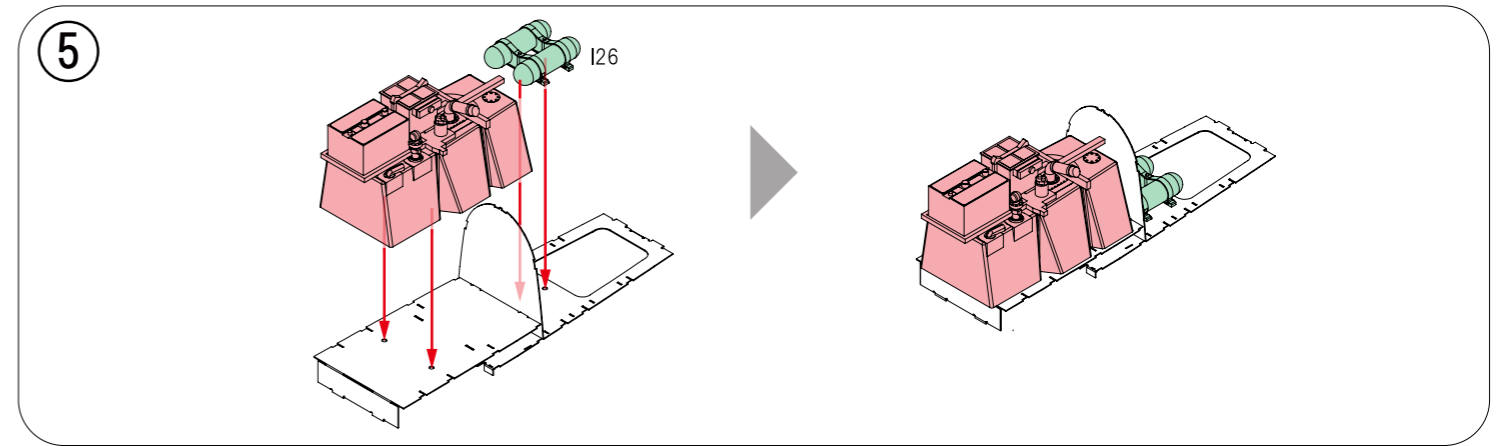
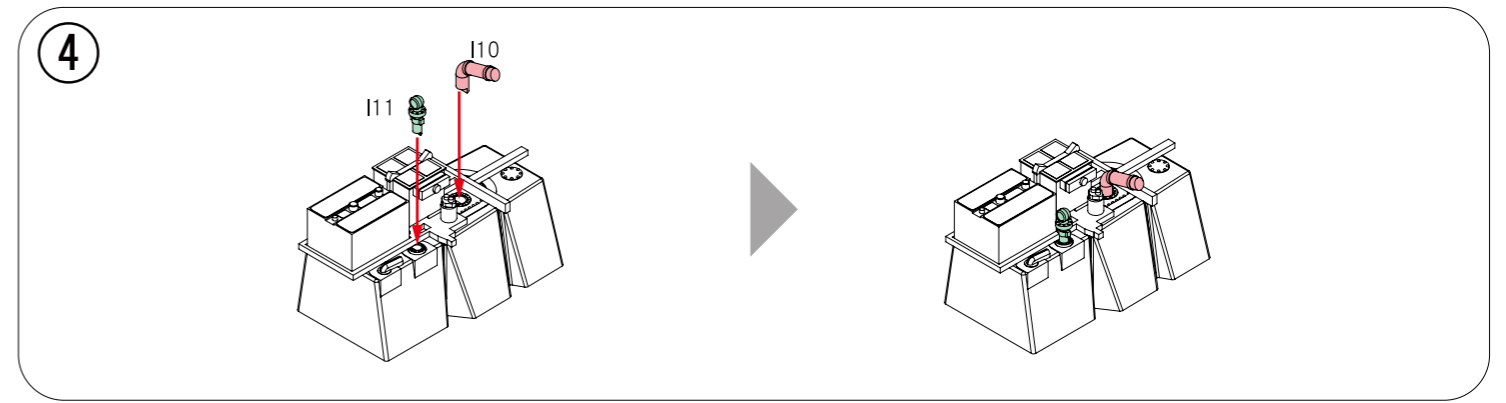
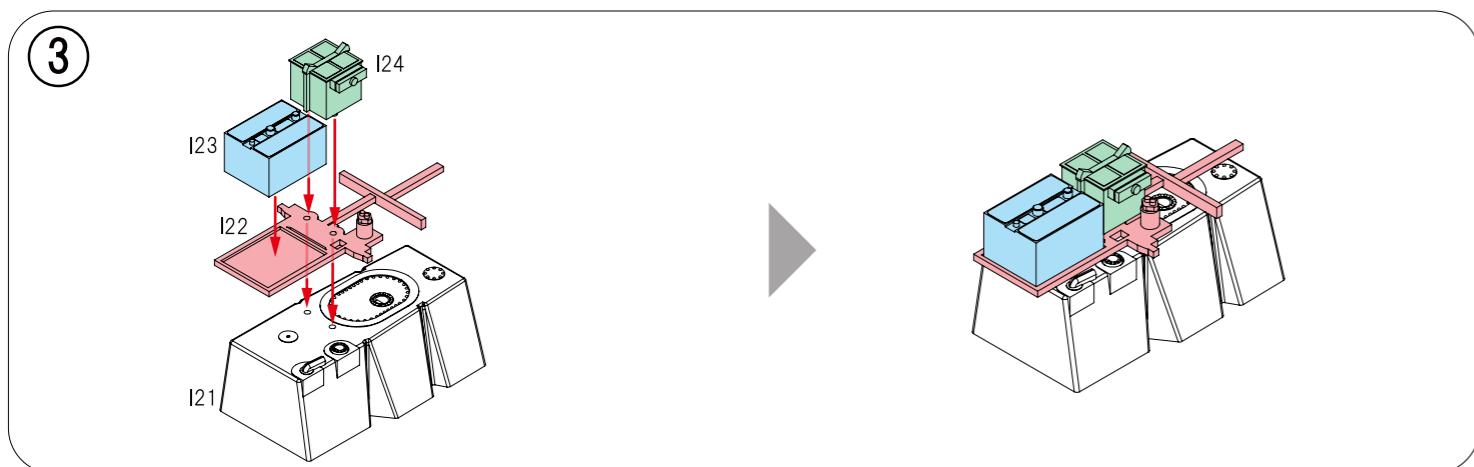
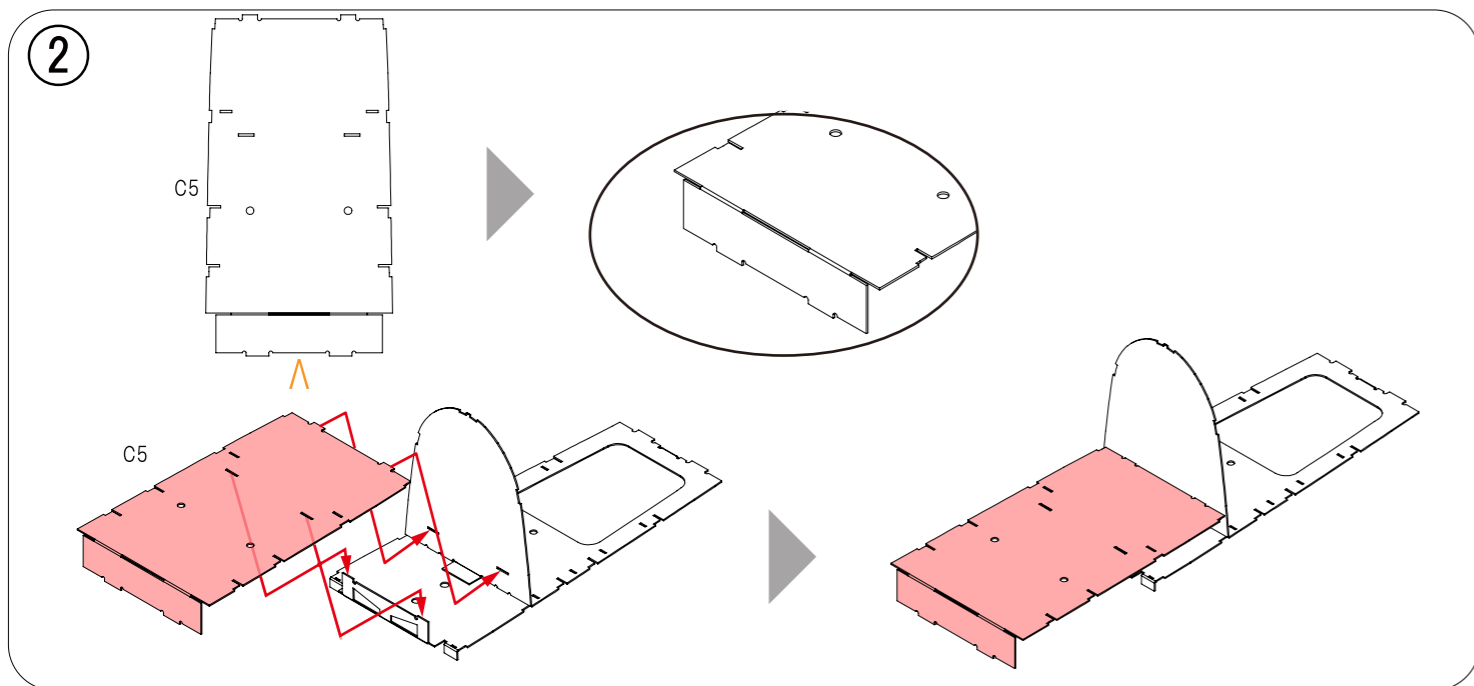
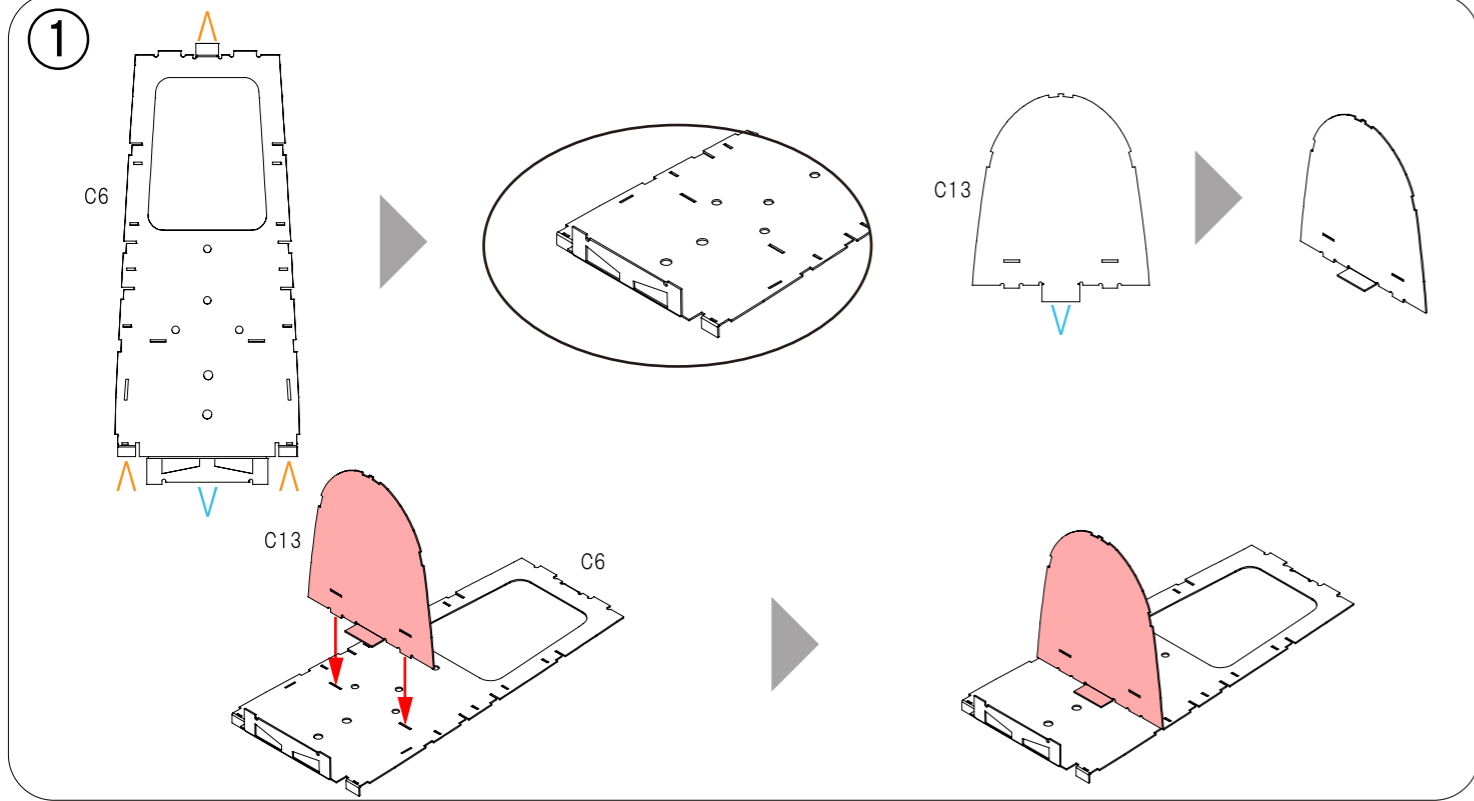
30



31

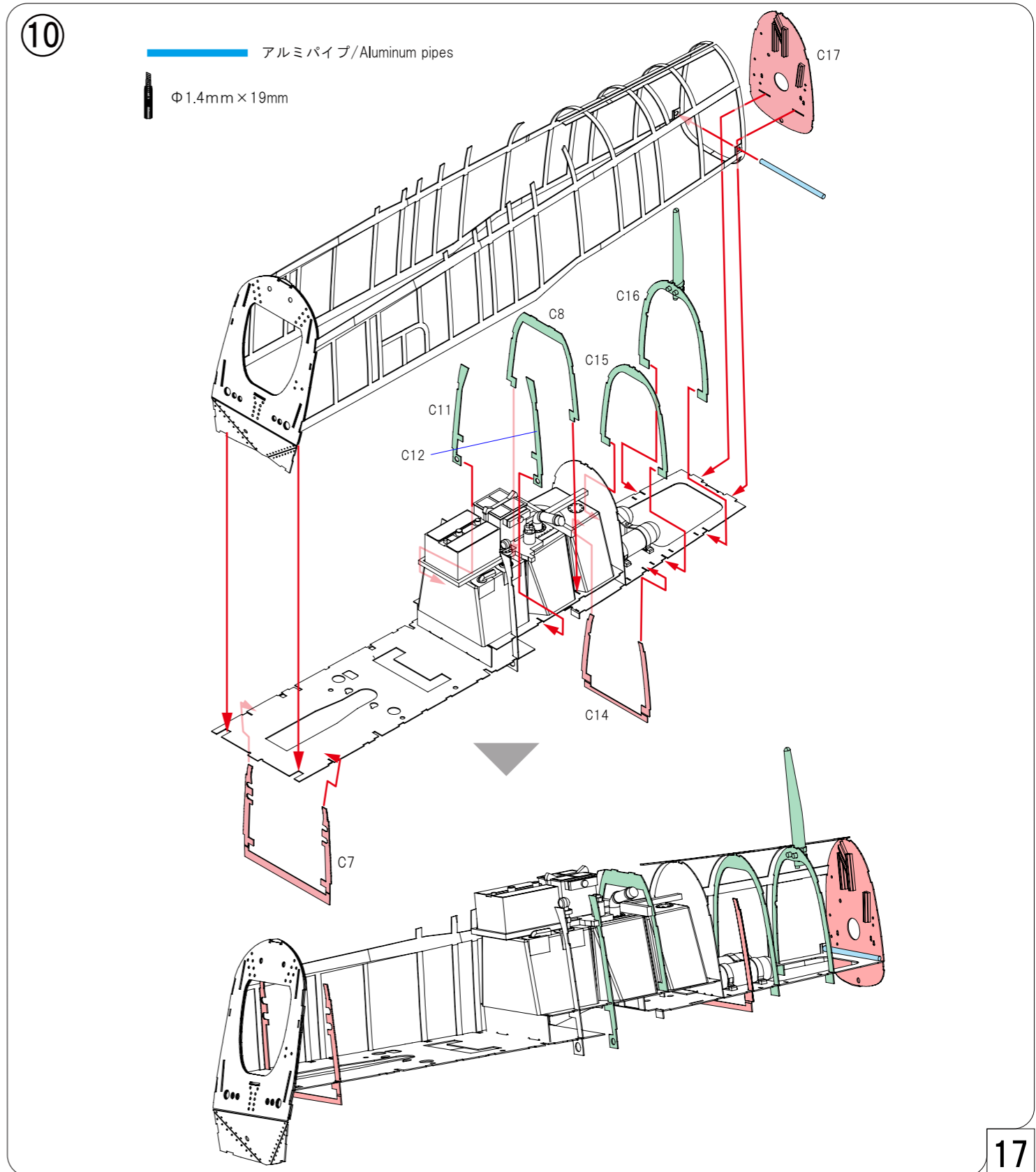
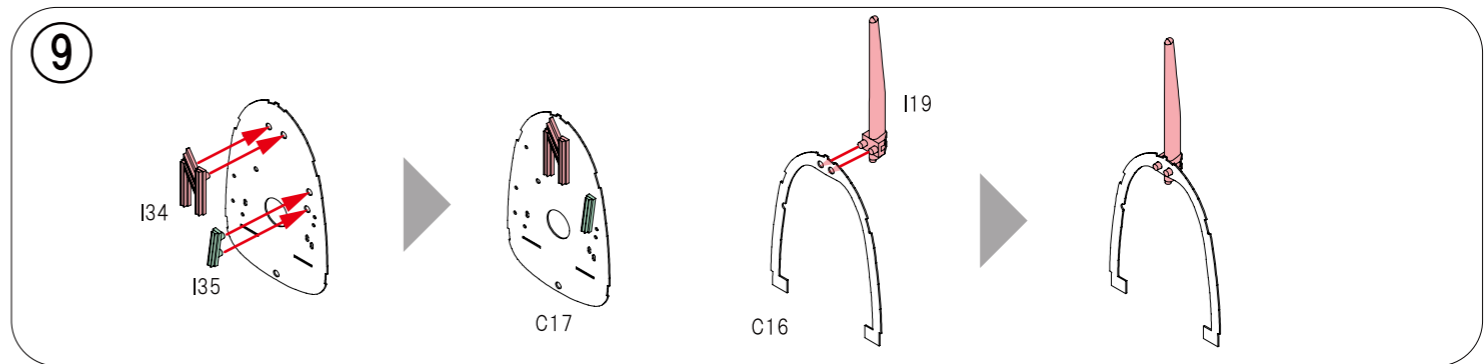
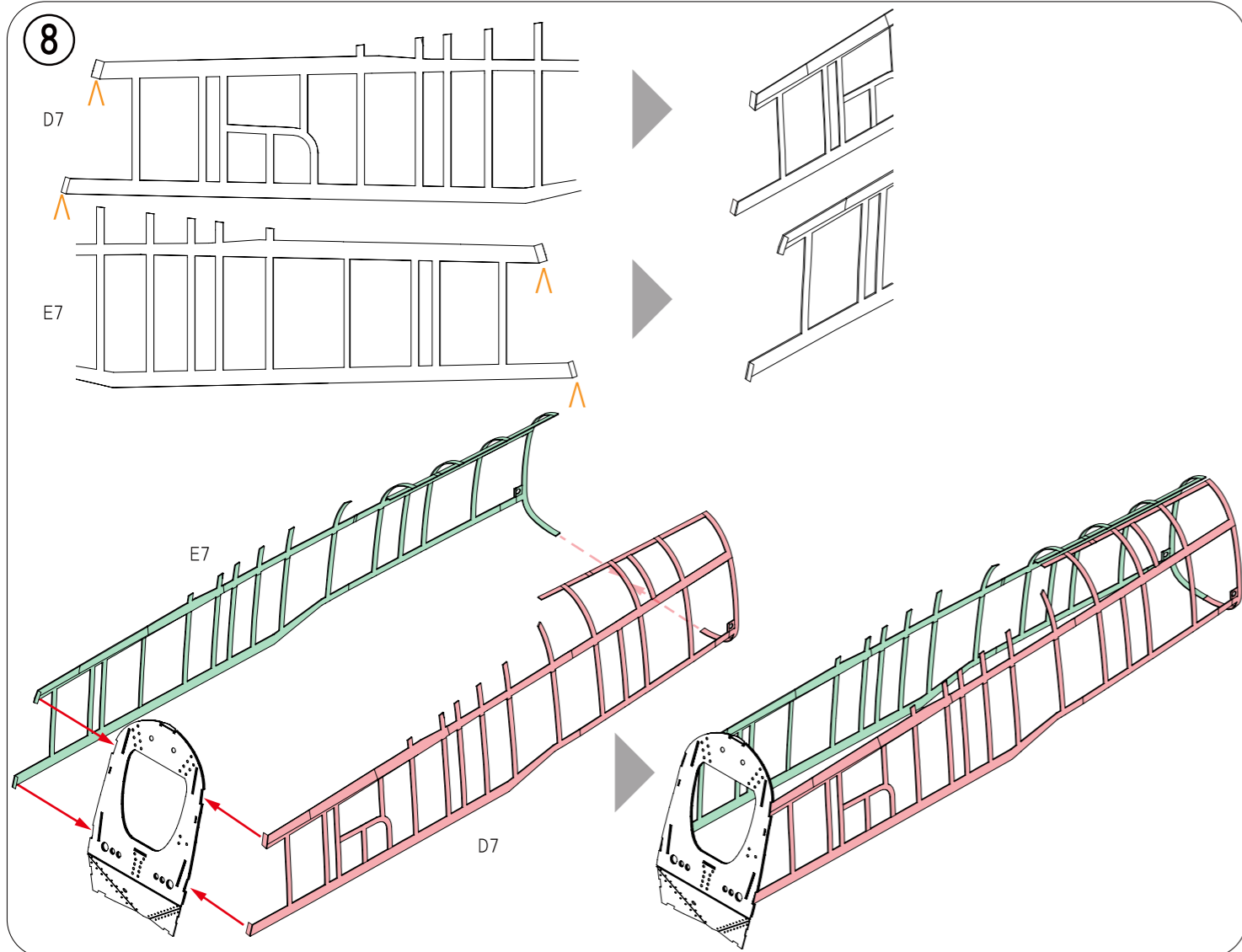
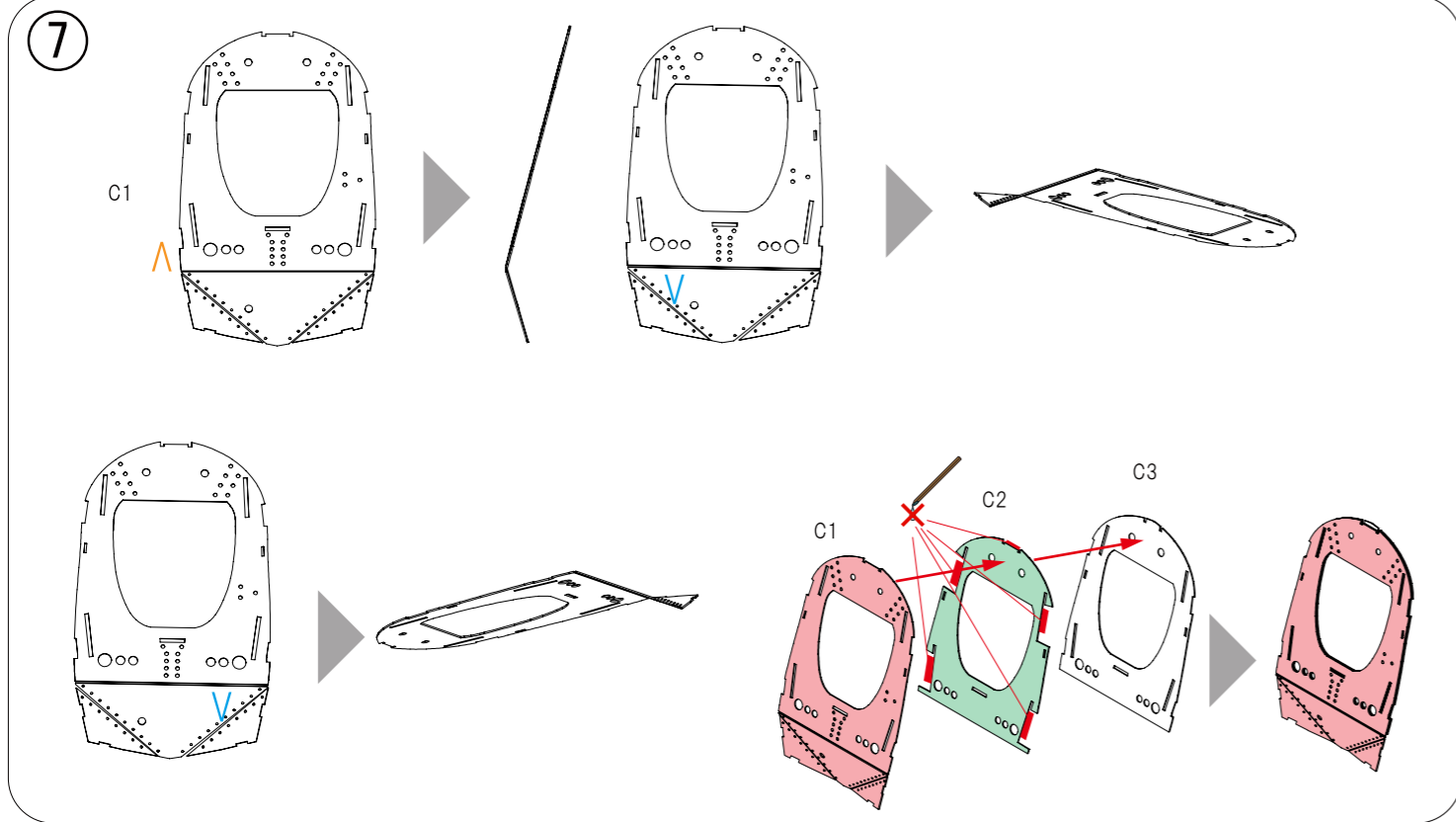


# desktopMUSTANG コックピット / Cockpit

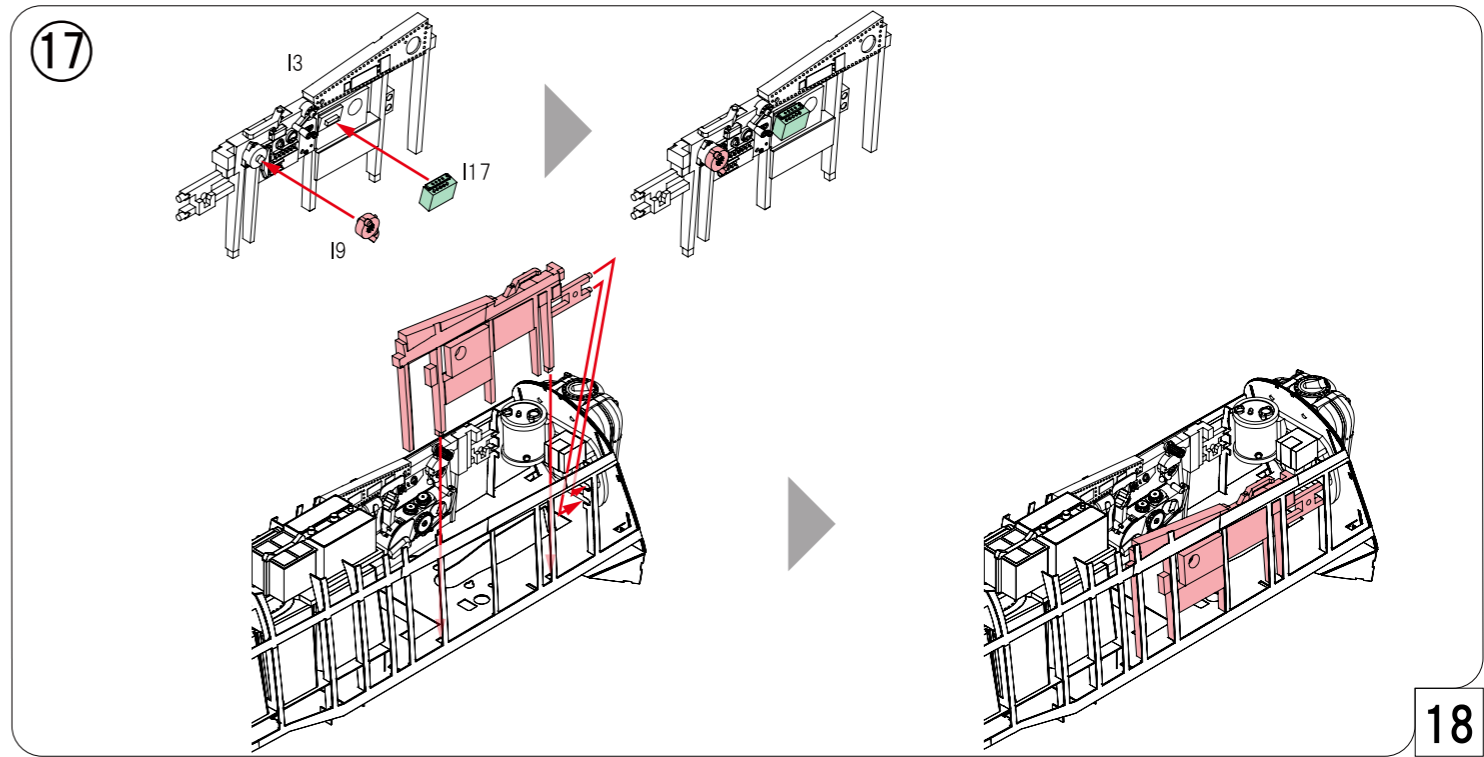
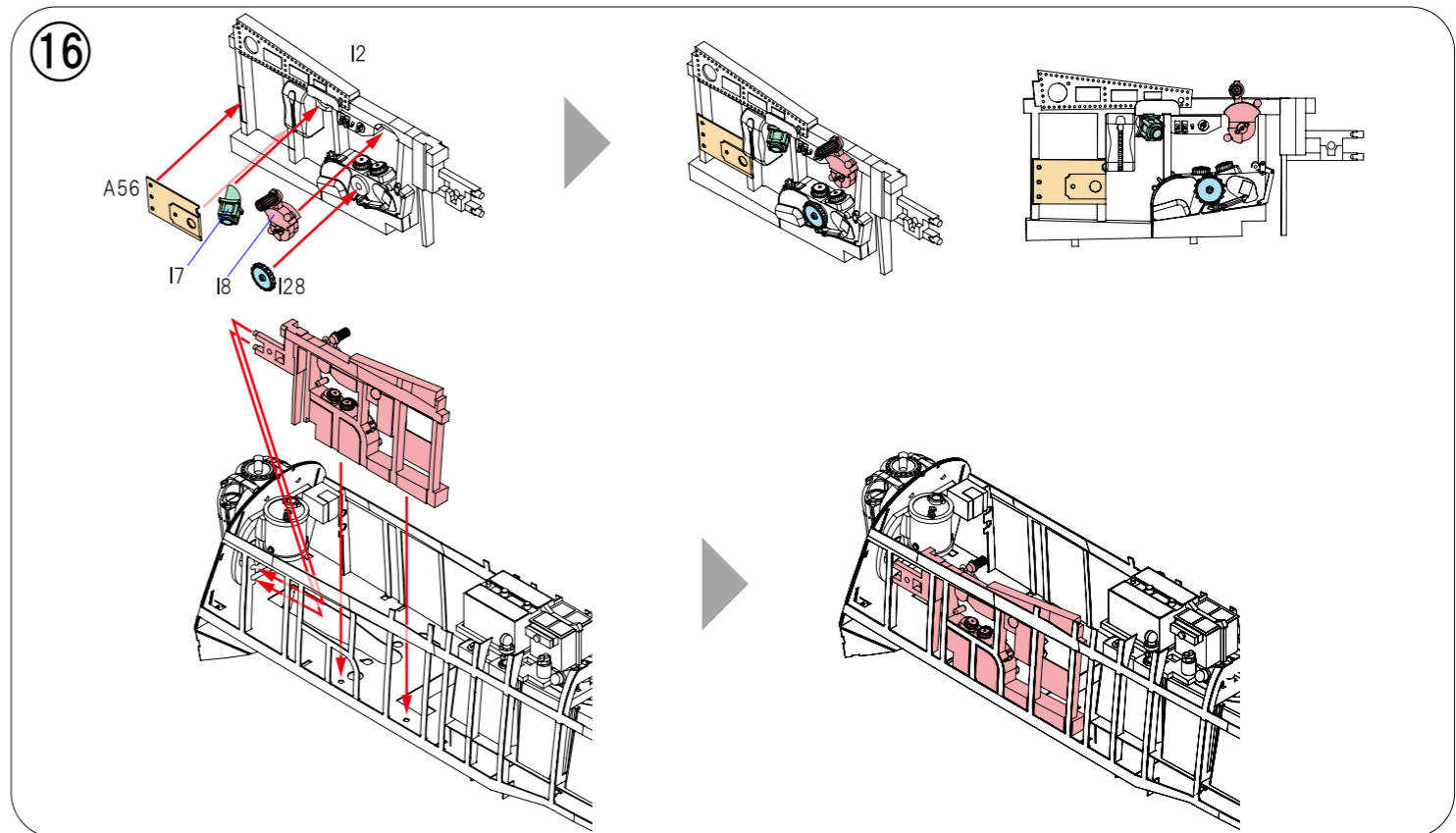
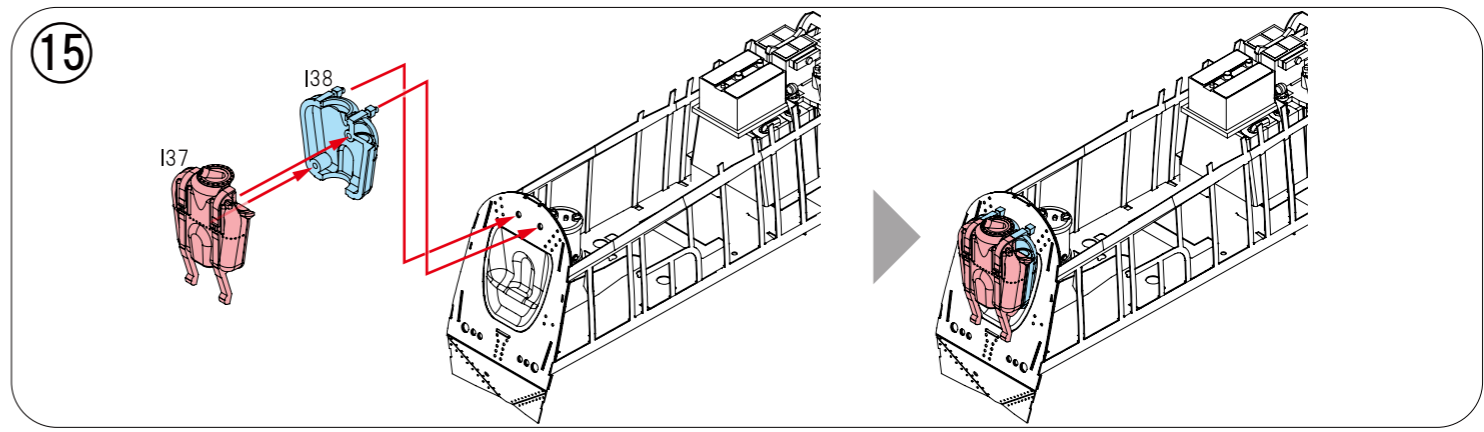
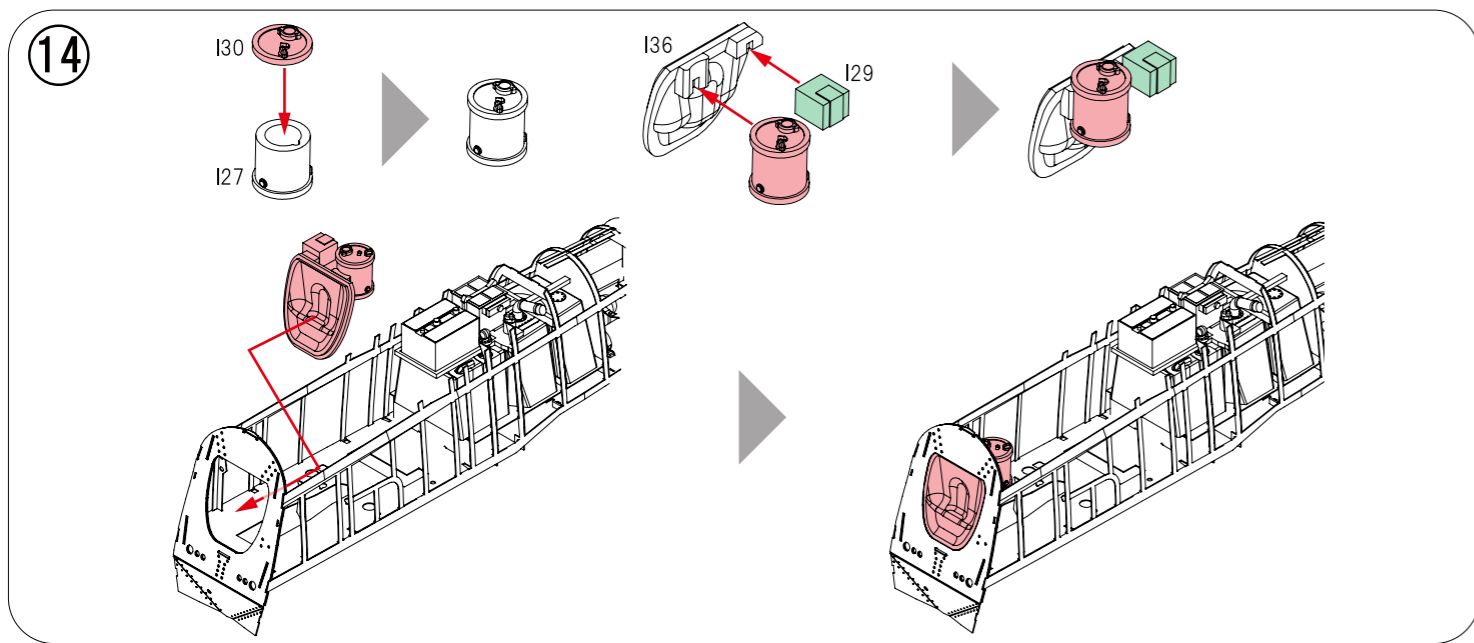
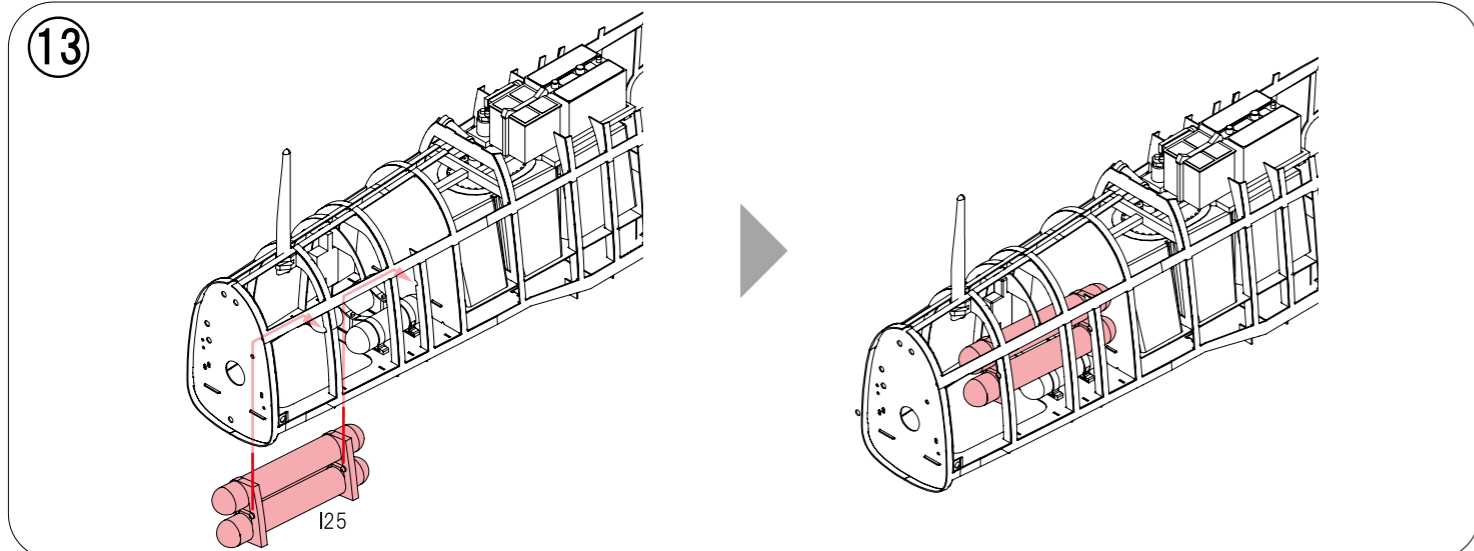
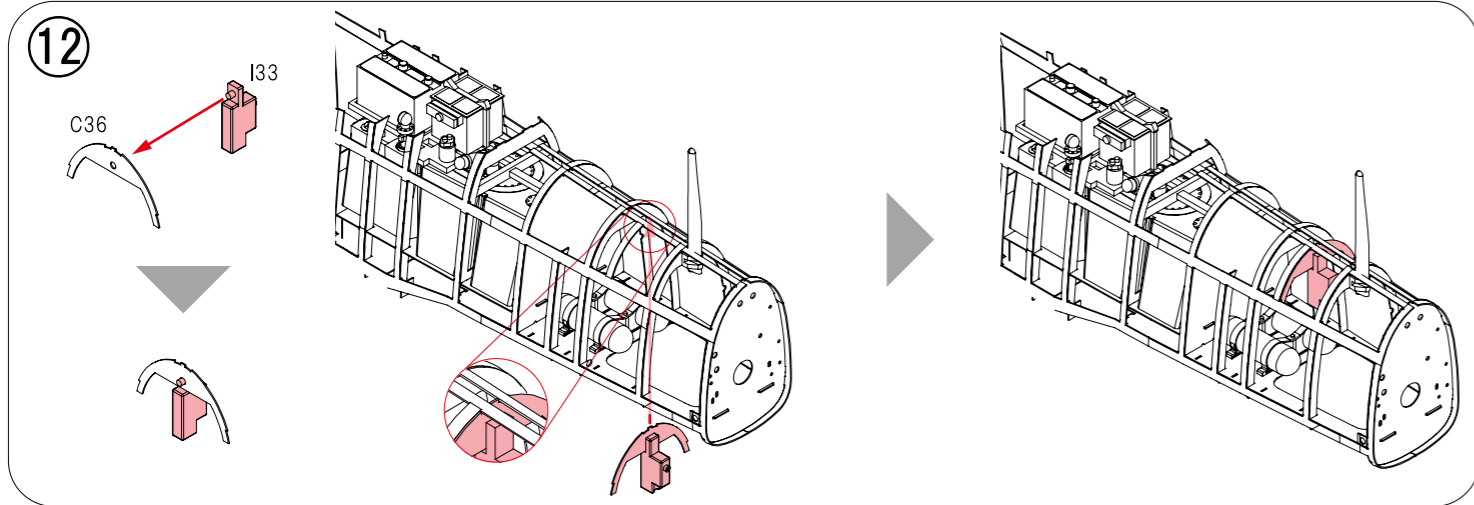
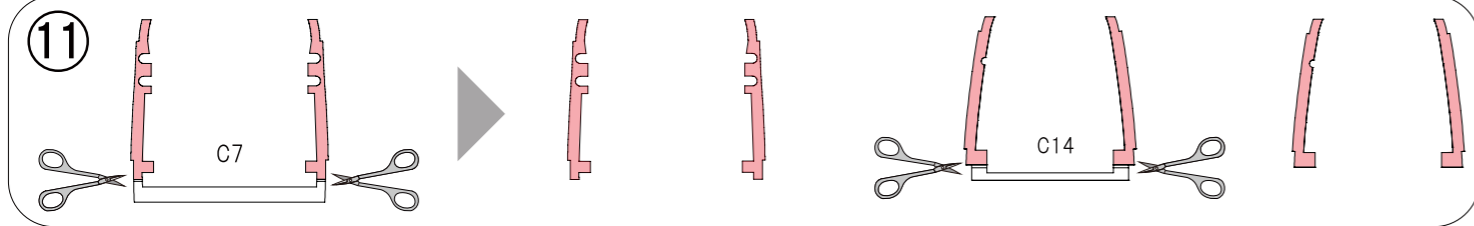




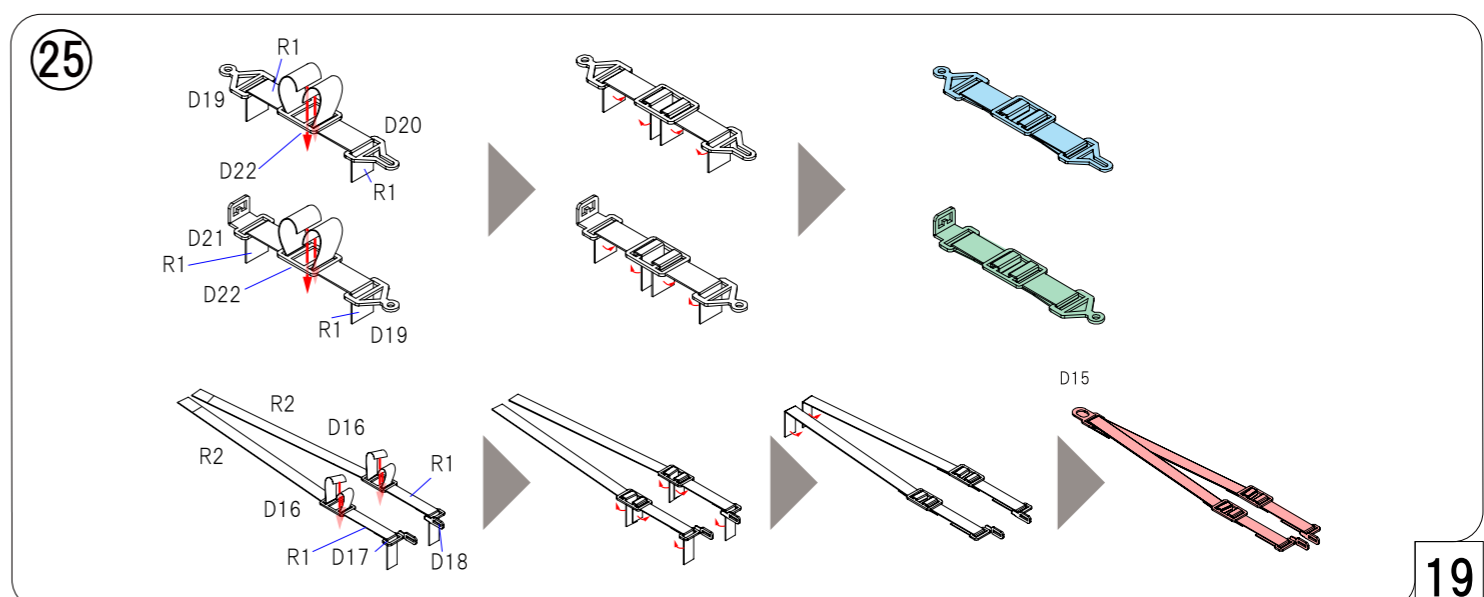
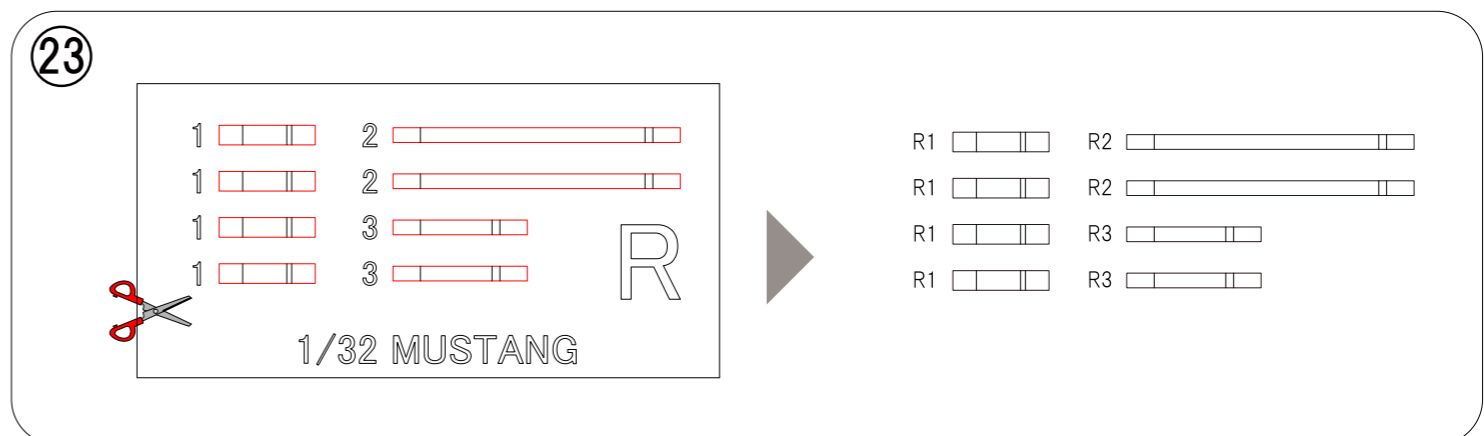
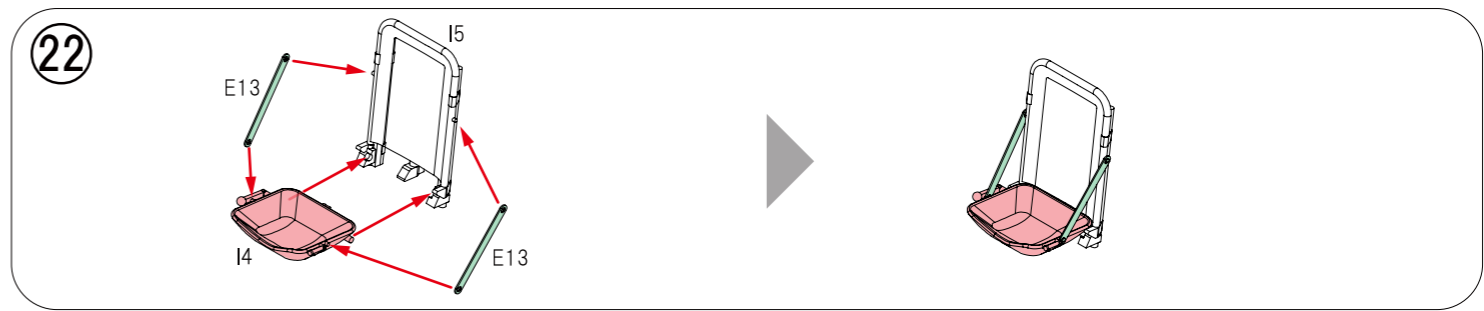
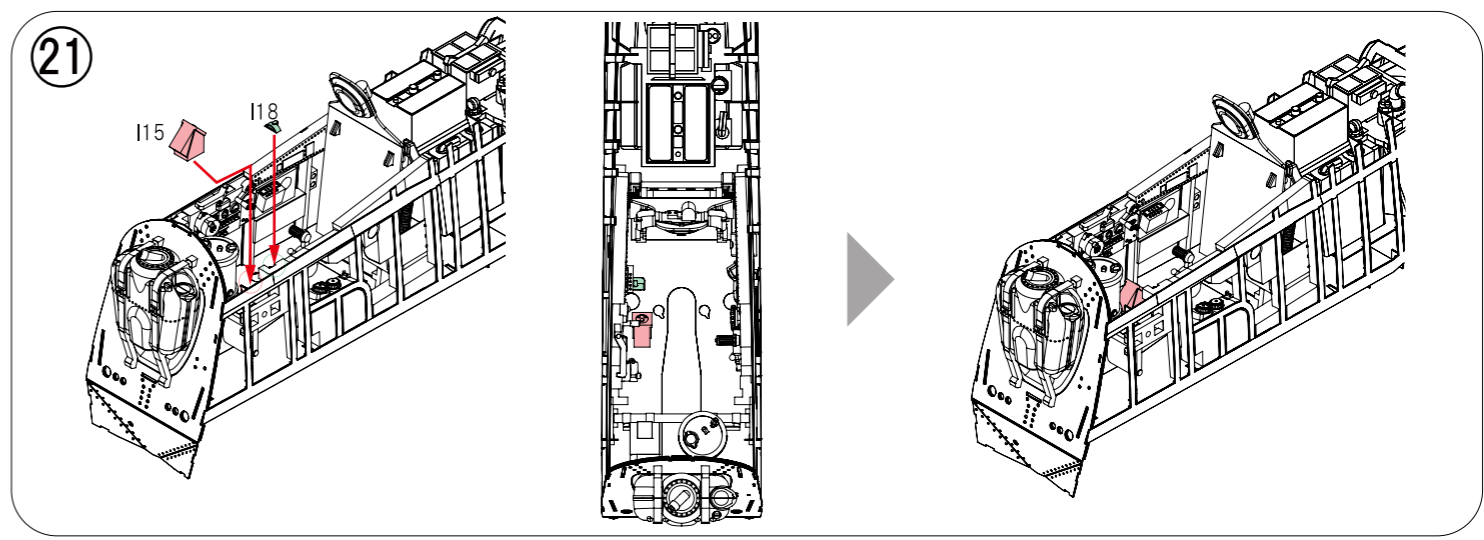
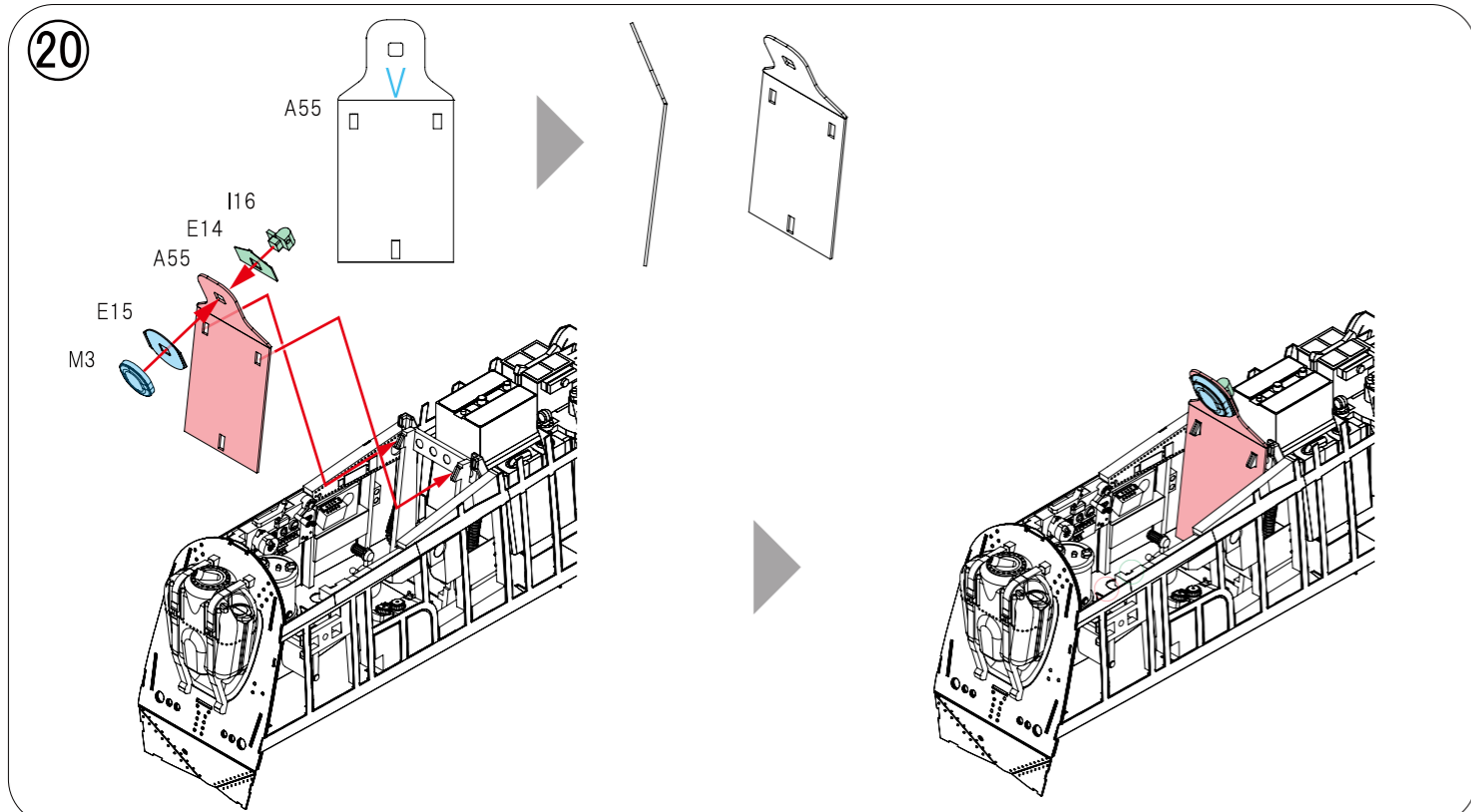
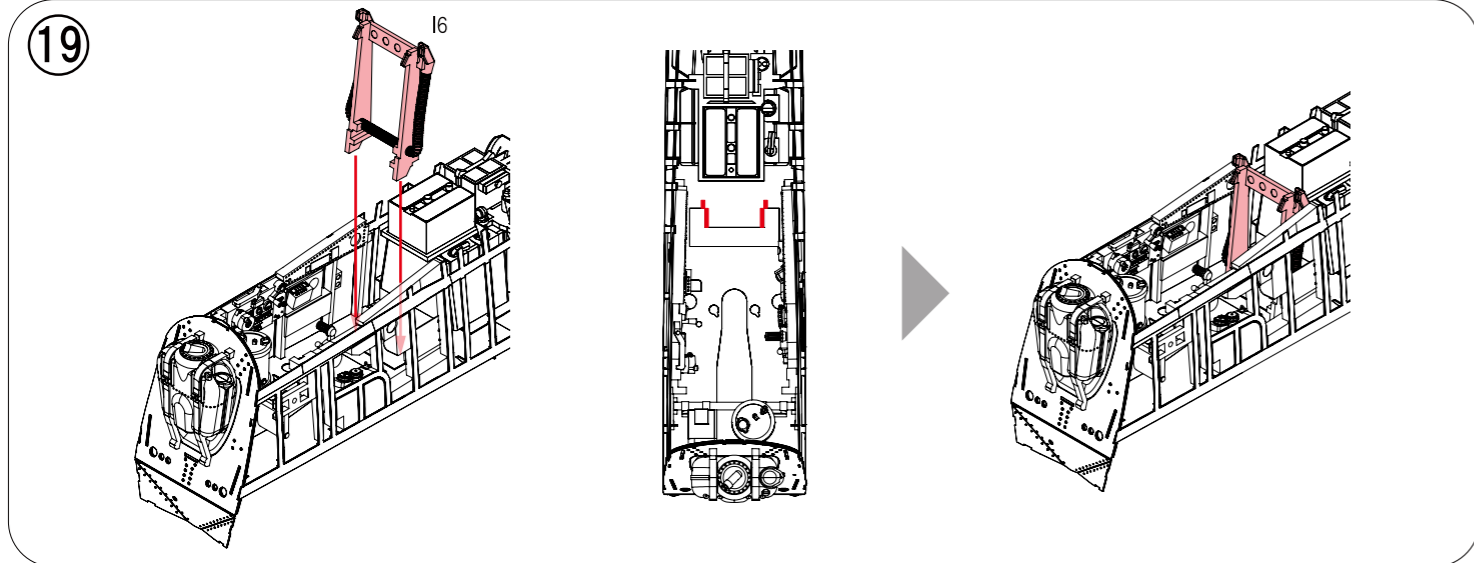
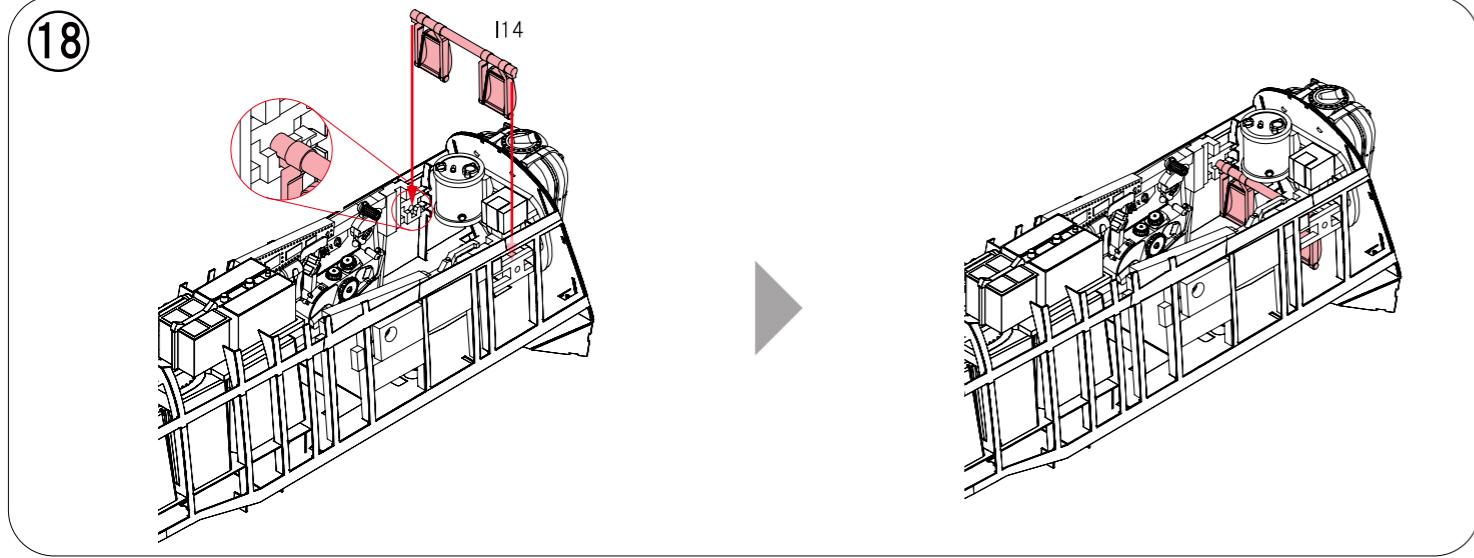
# desktopMUSTANG



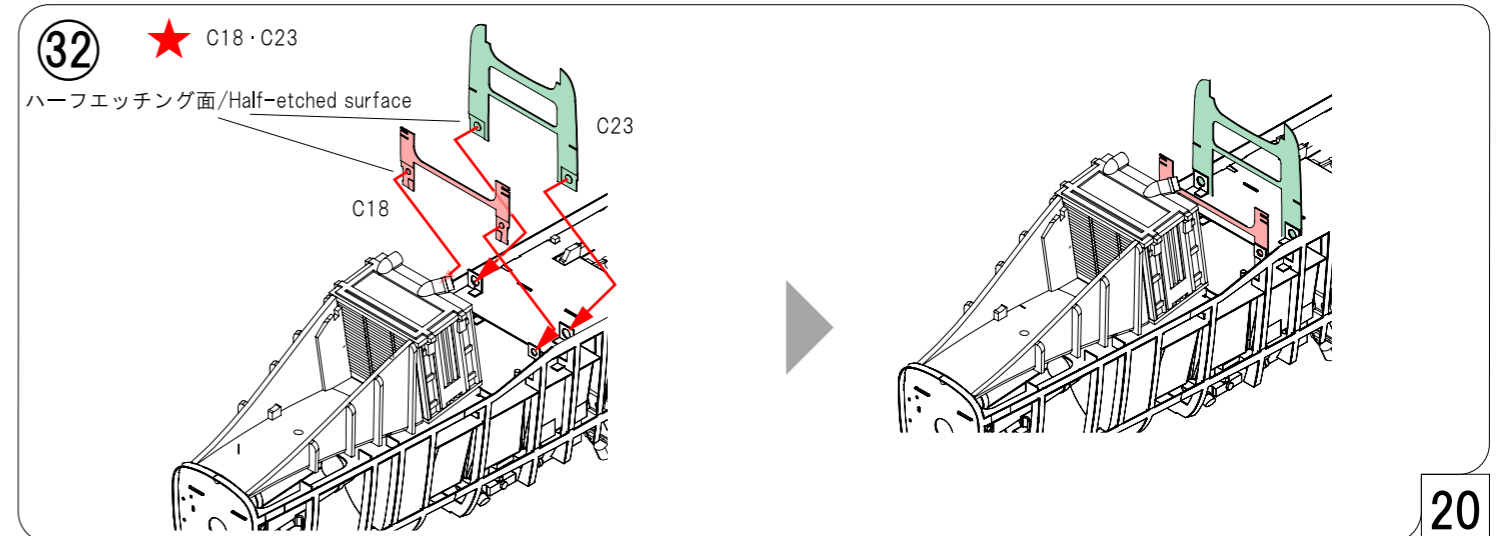
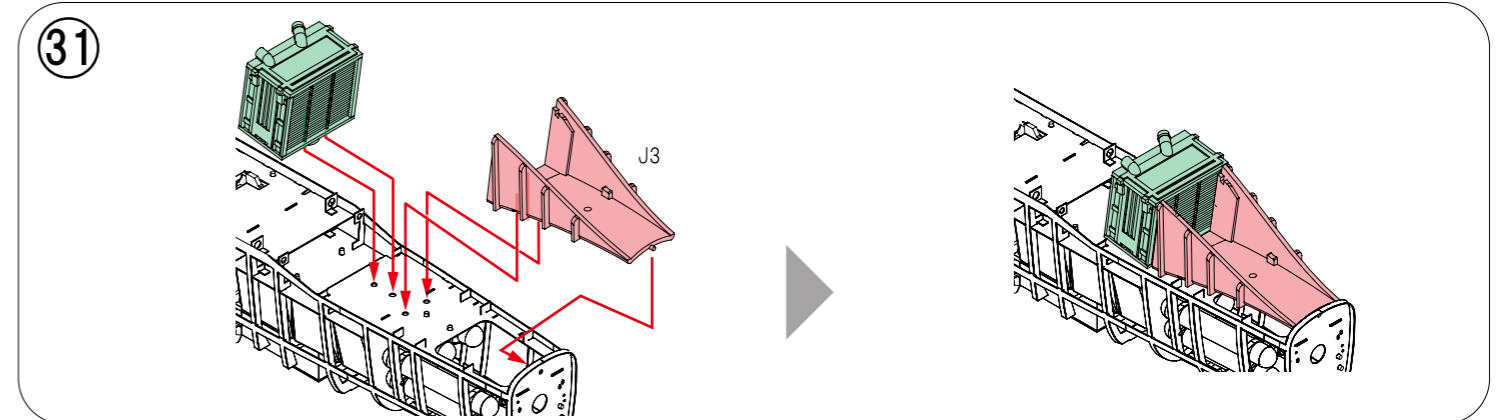
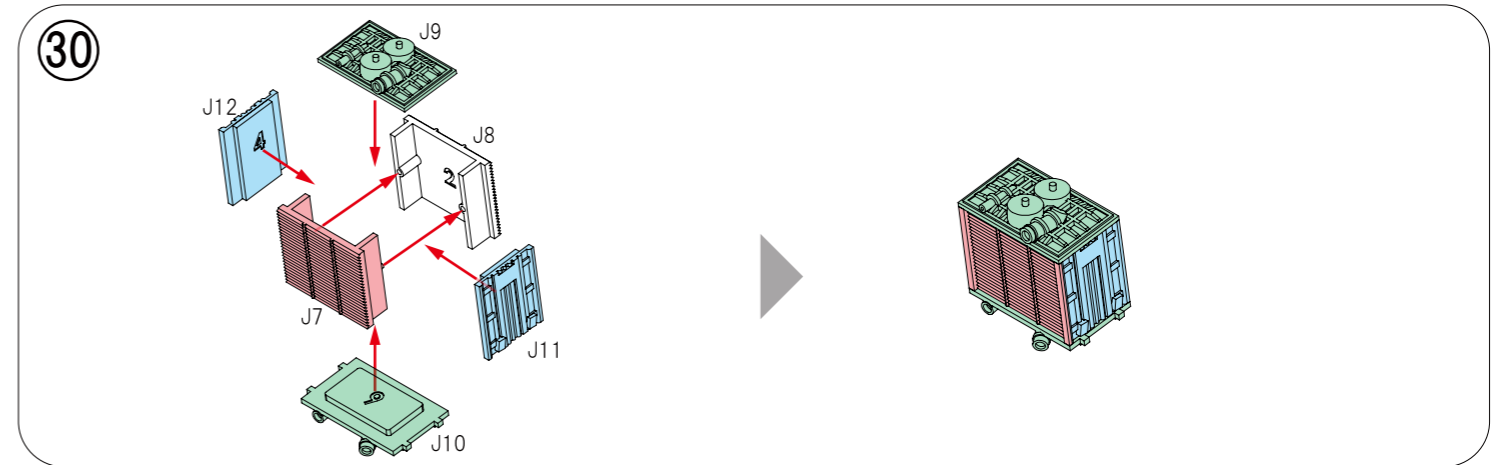
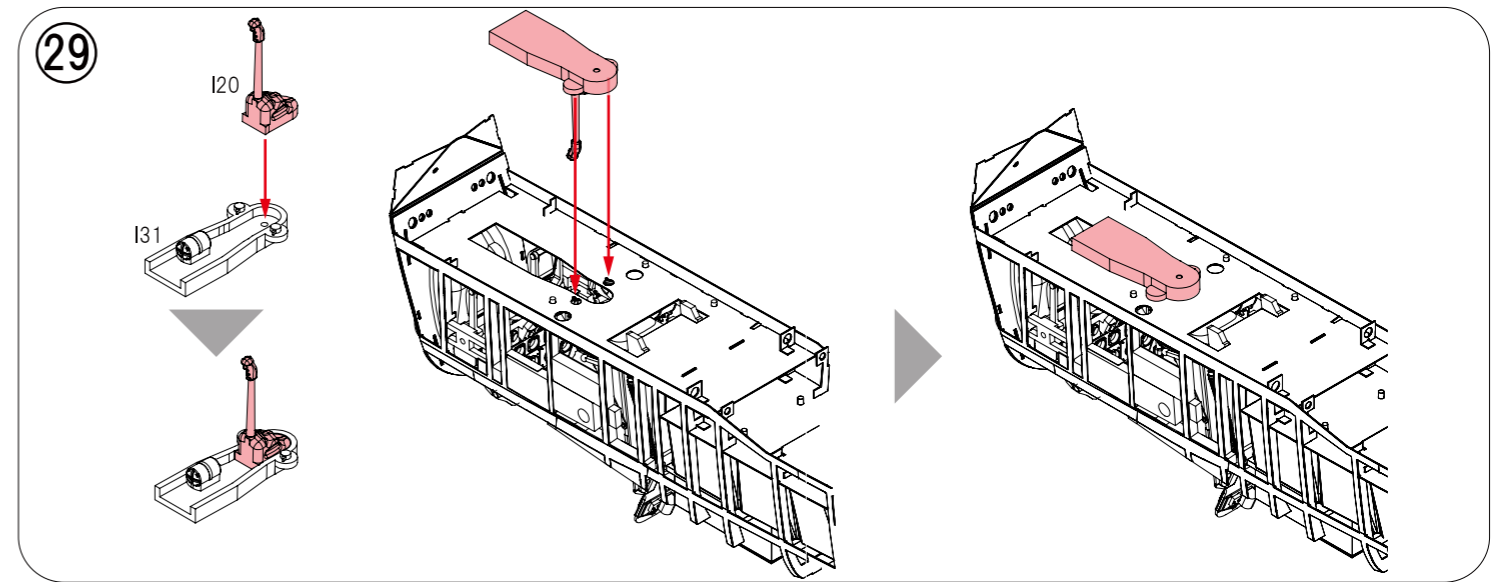
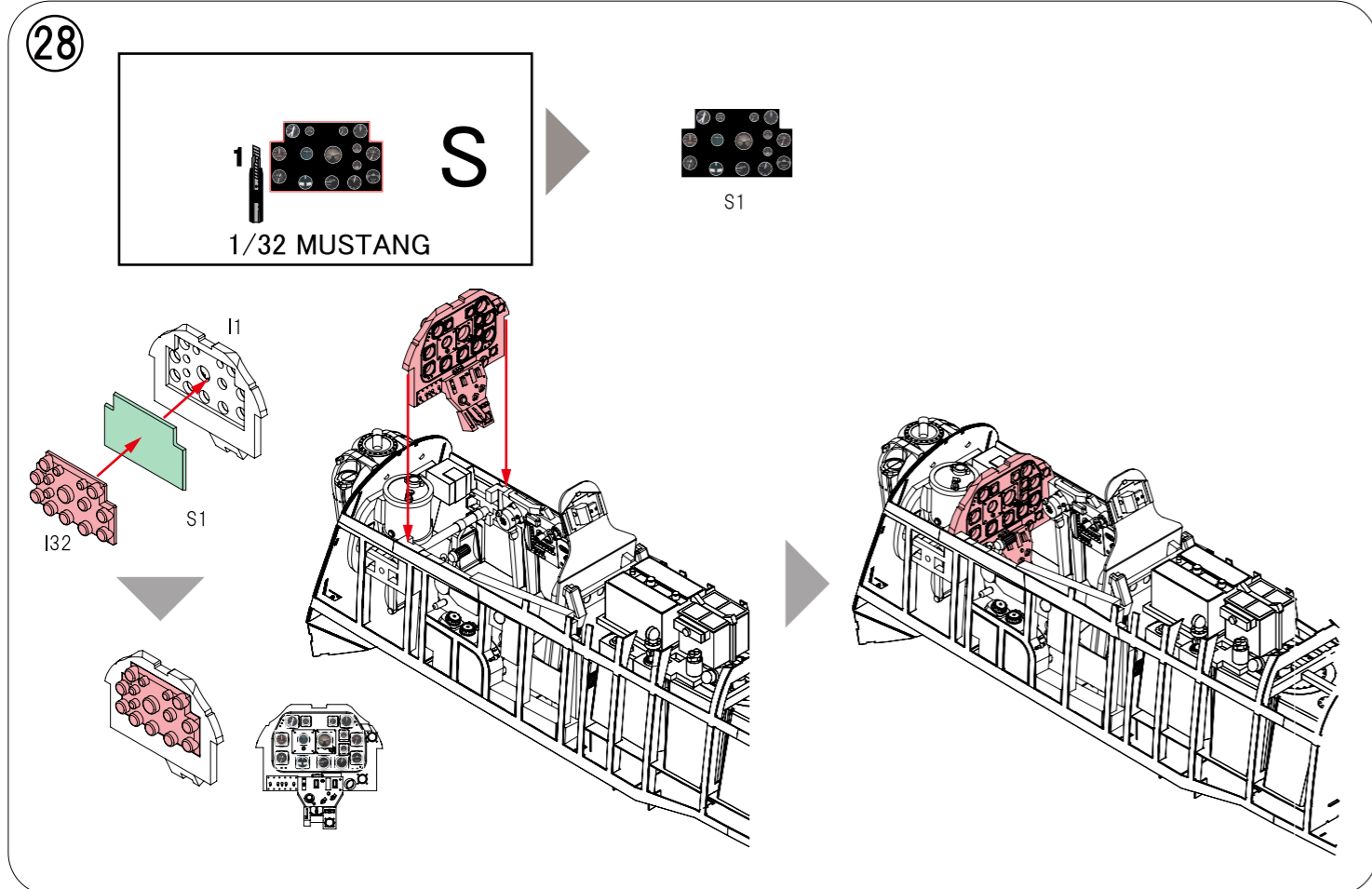
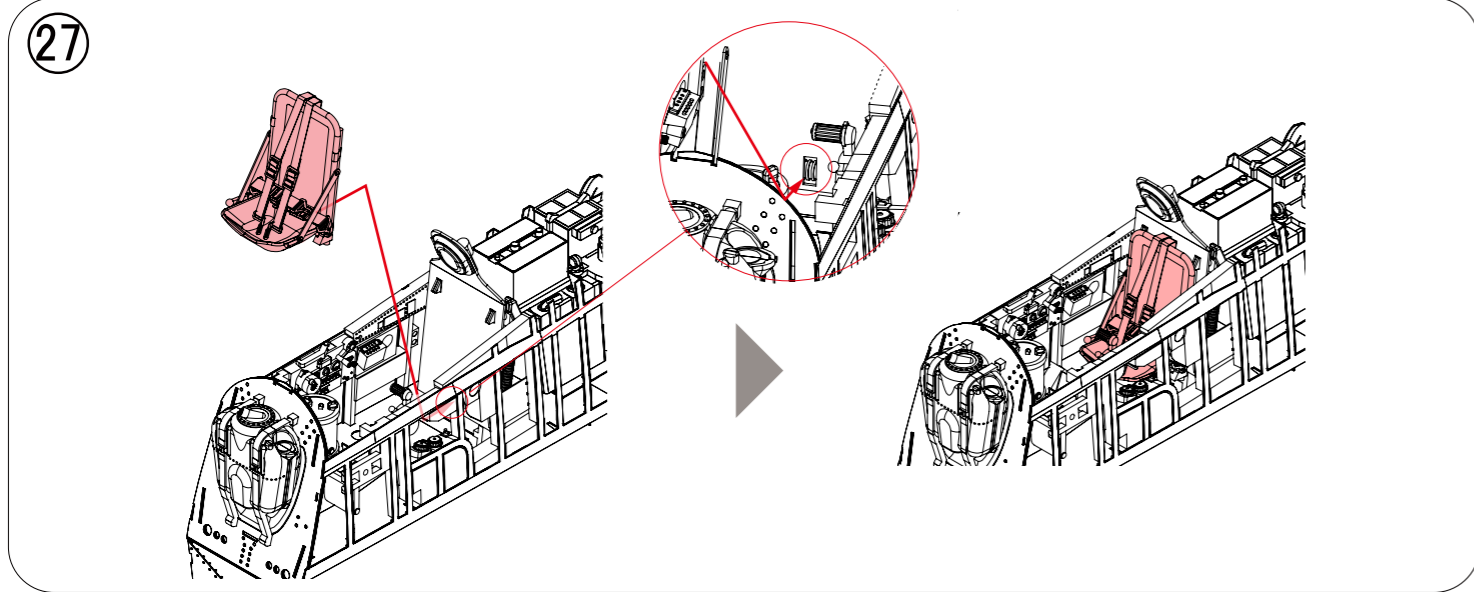
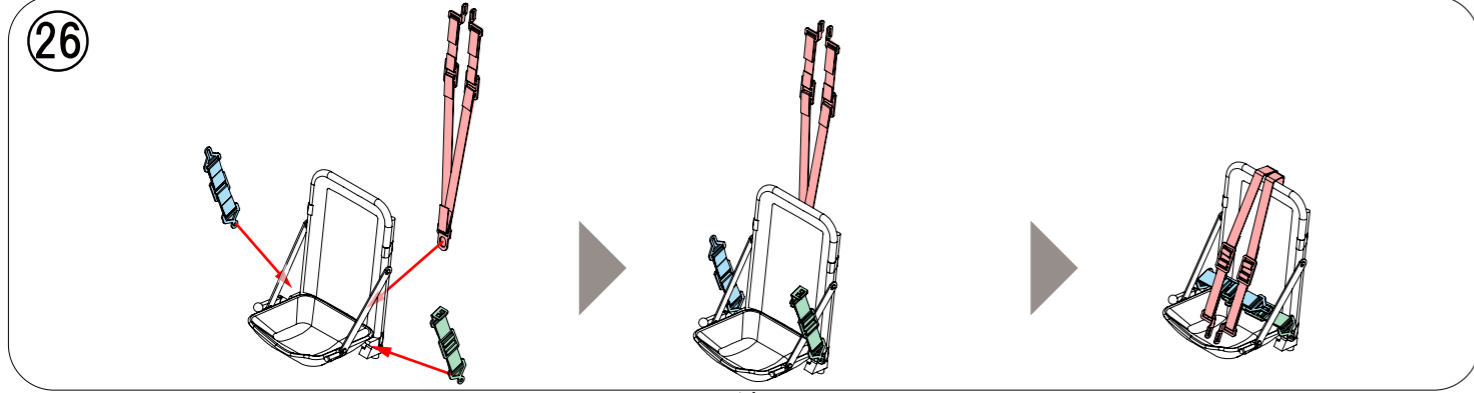
# desktopMUSTANG



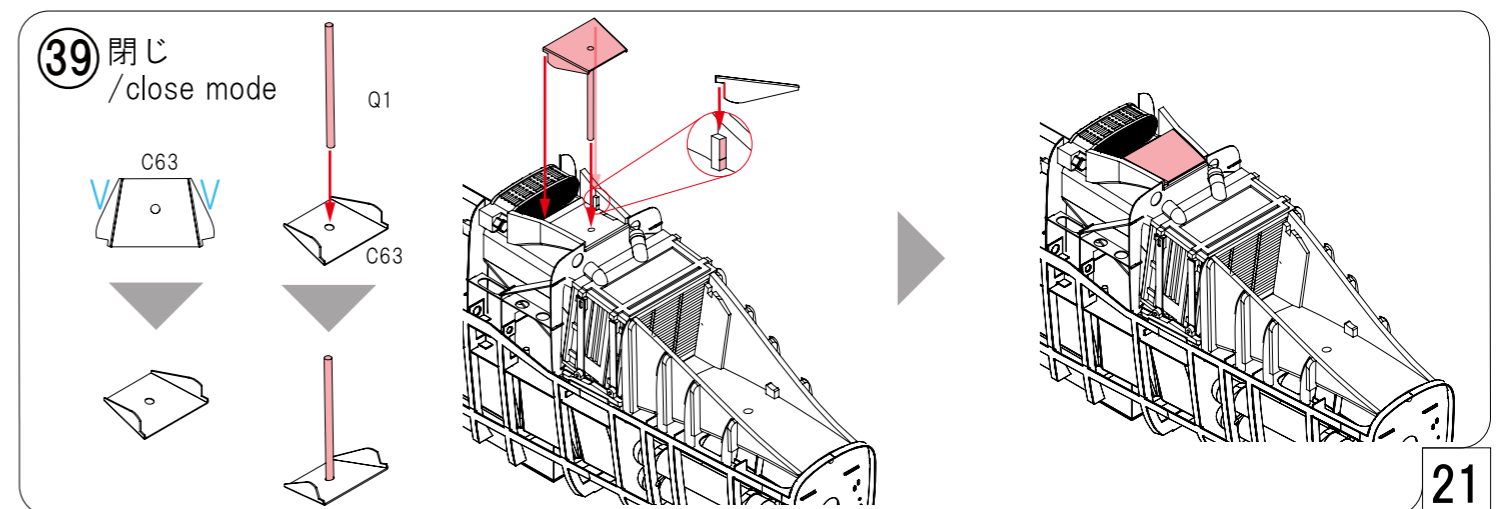
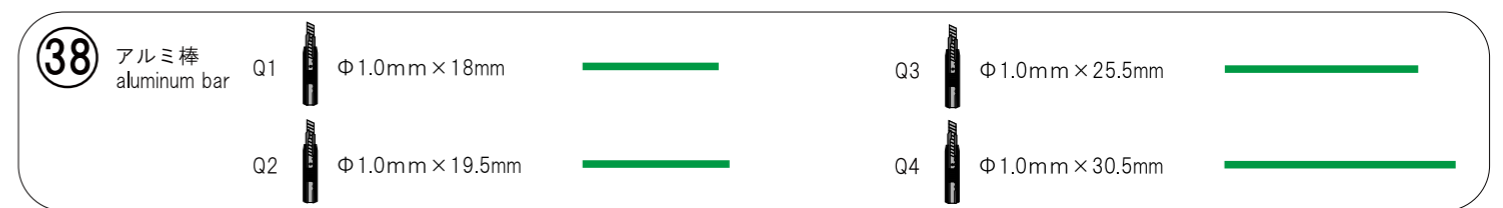
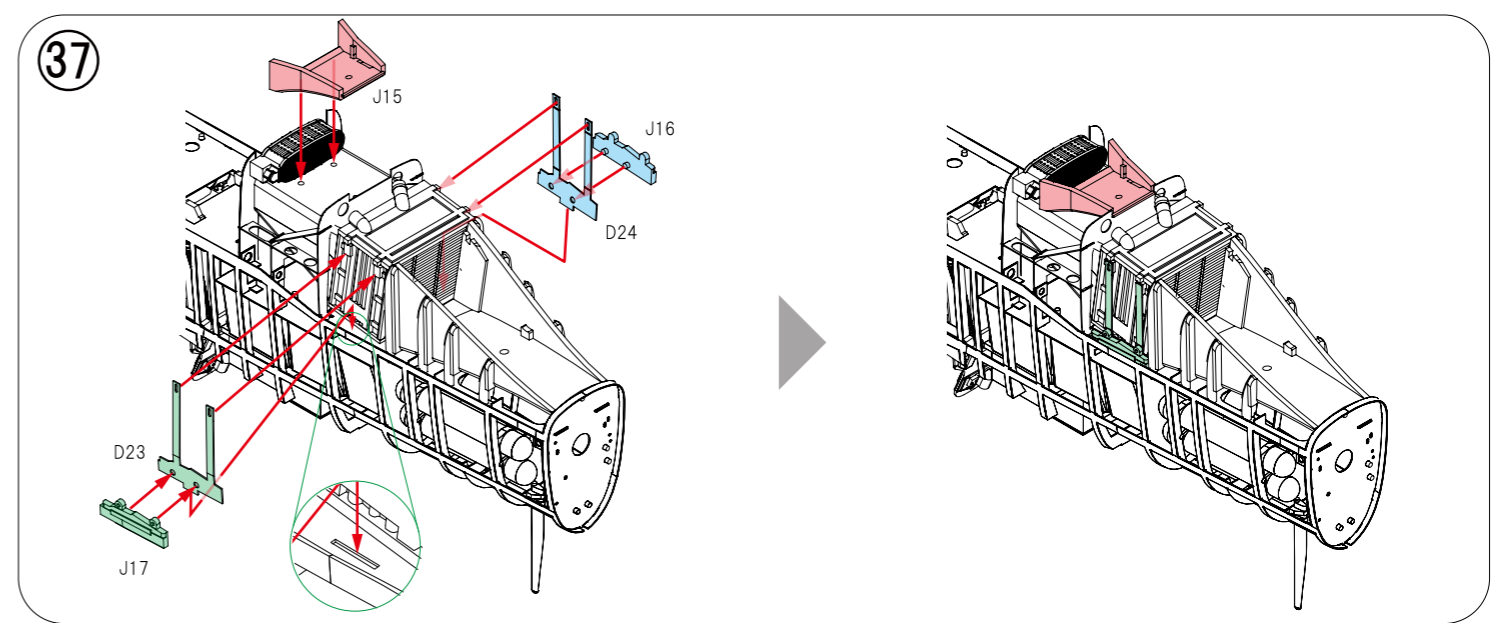
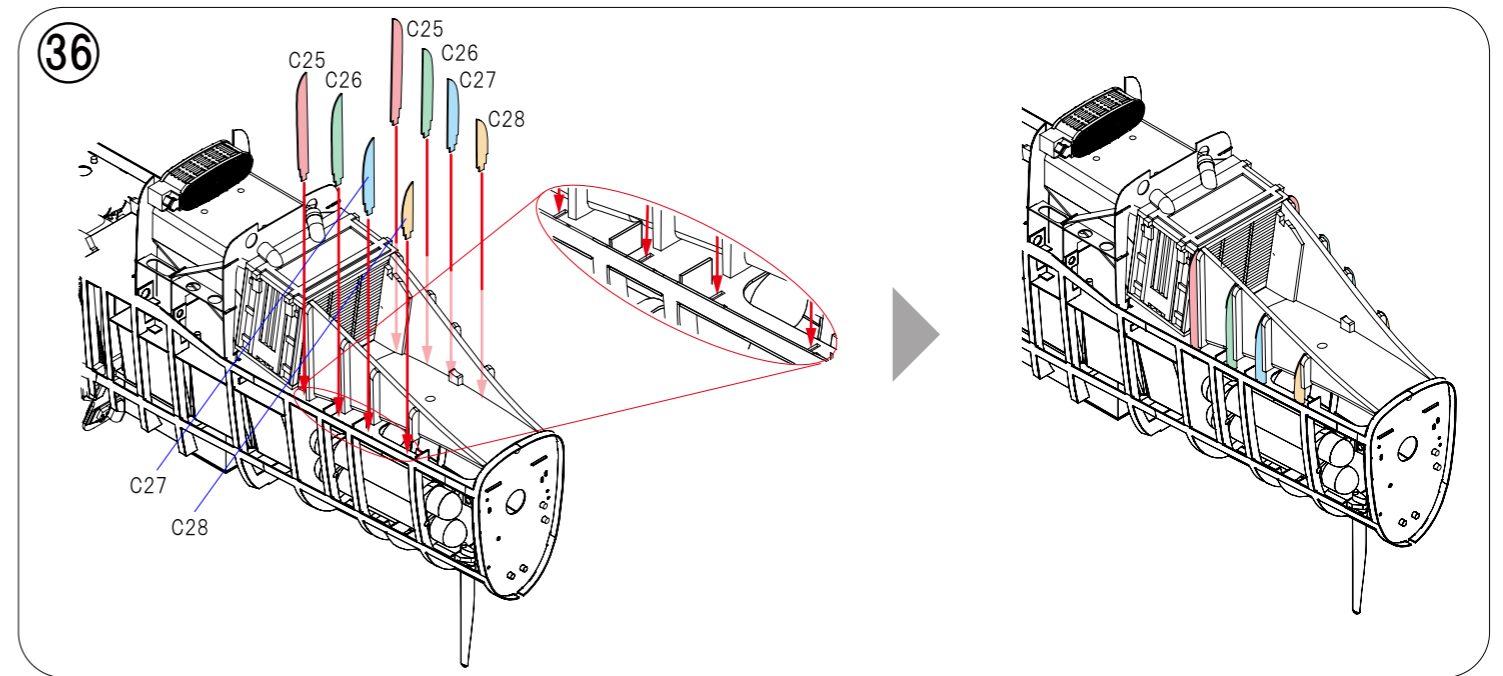
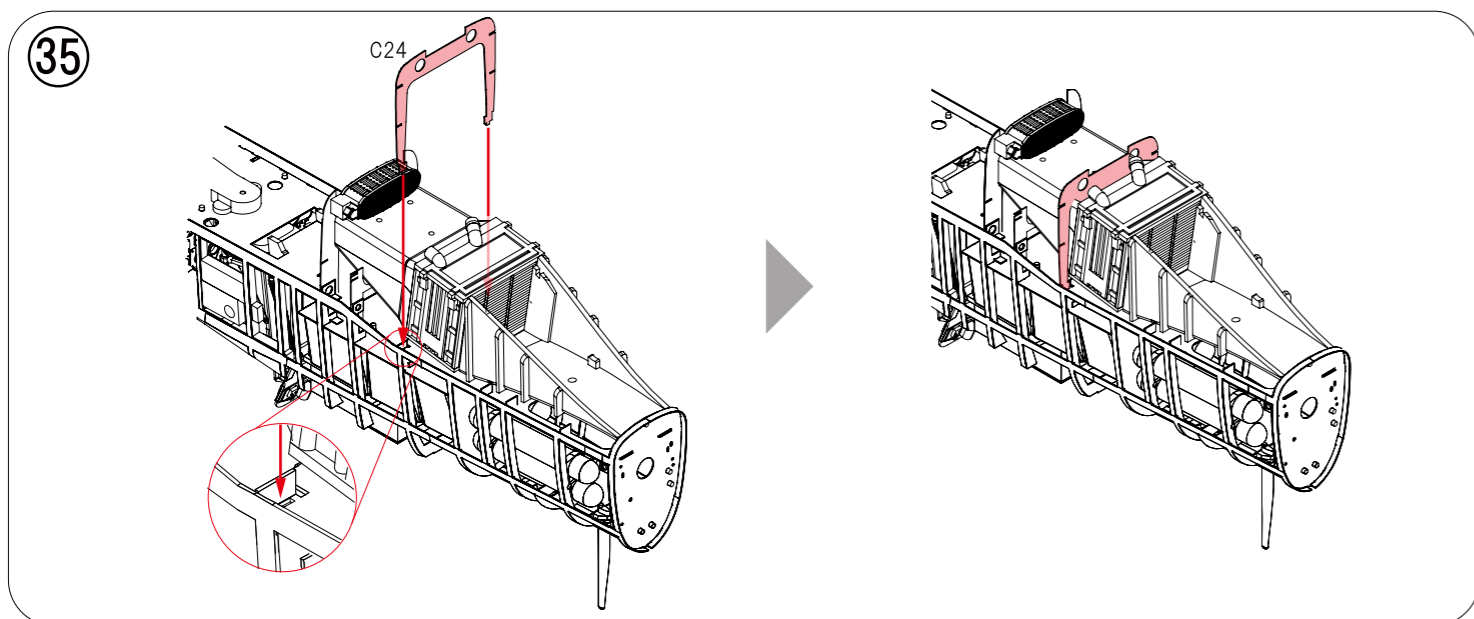
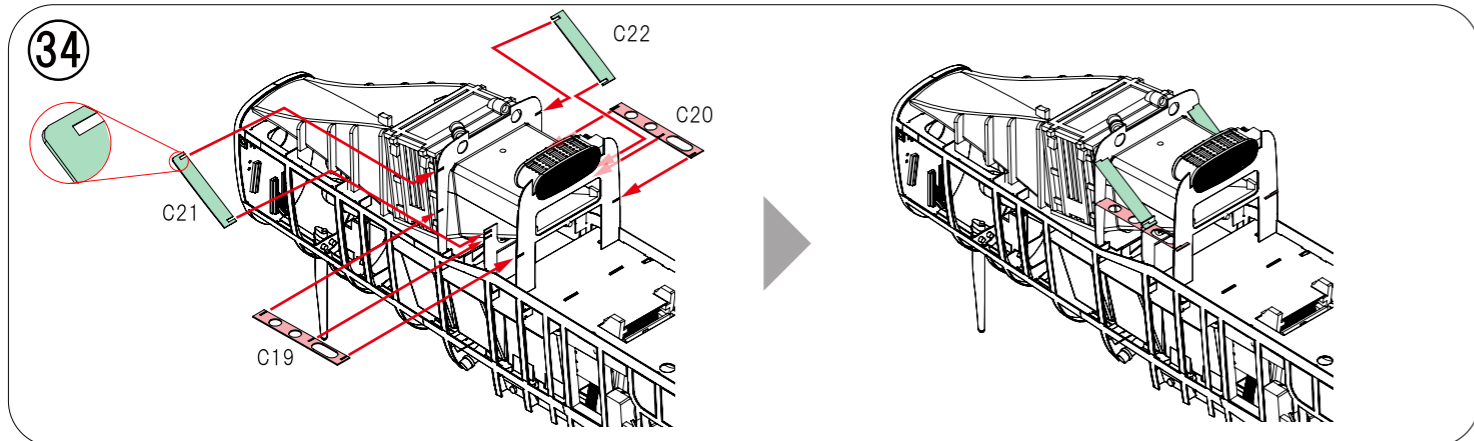
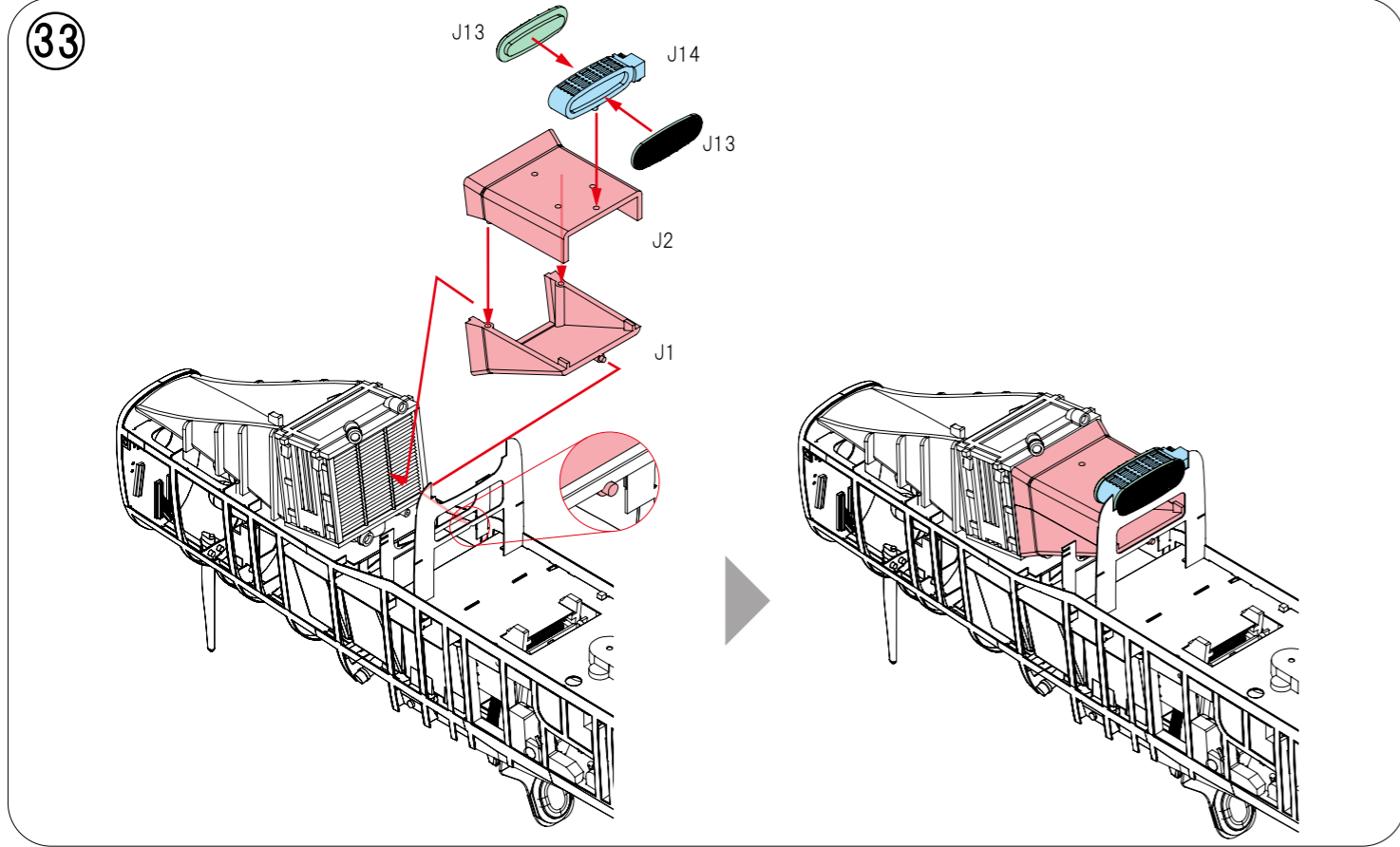
# desktopMUSTANG



# desktopMUSTANG



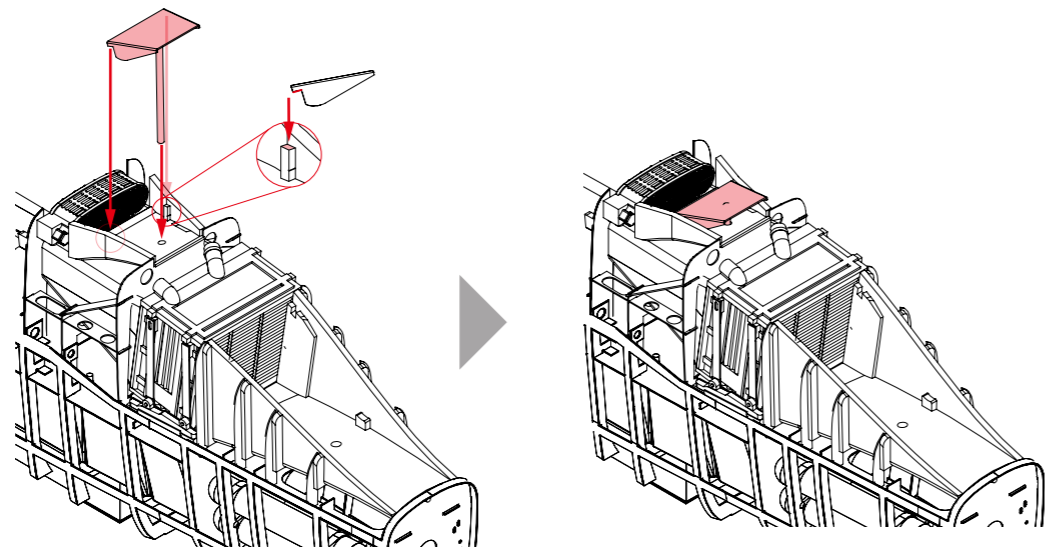
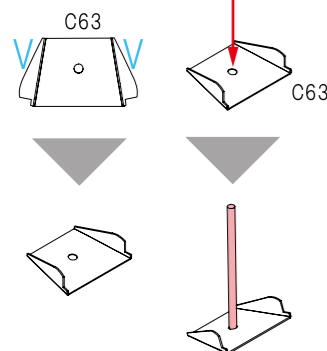
# desktopMUSTANG



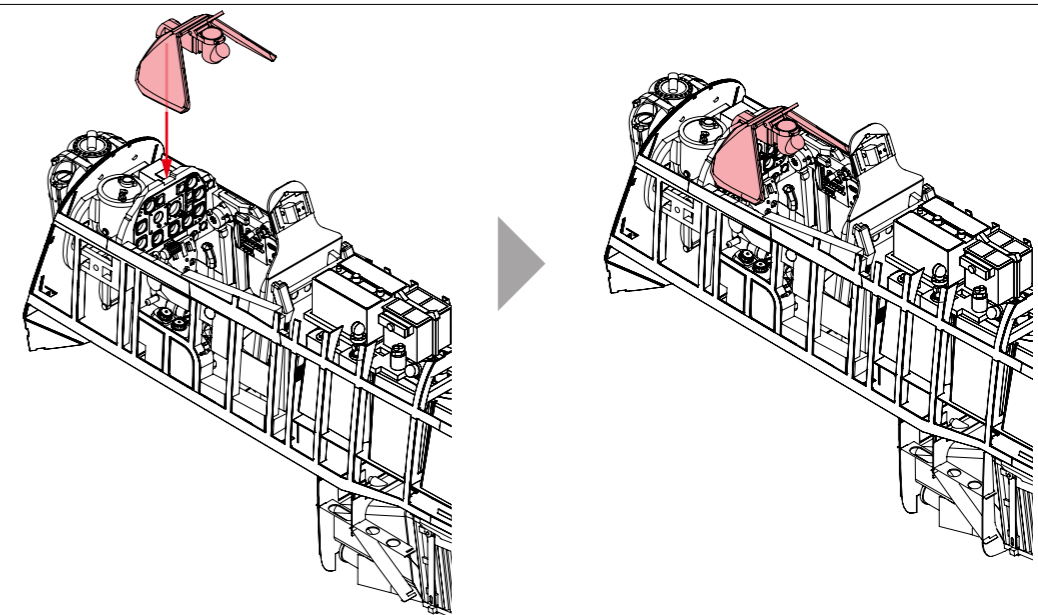
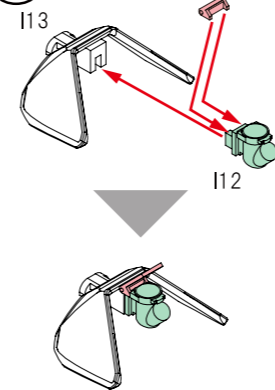
# desktopMUSTANG

40

開き  
/open mode

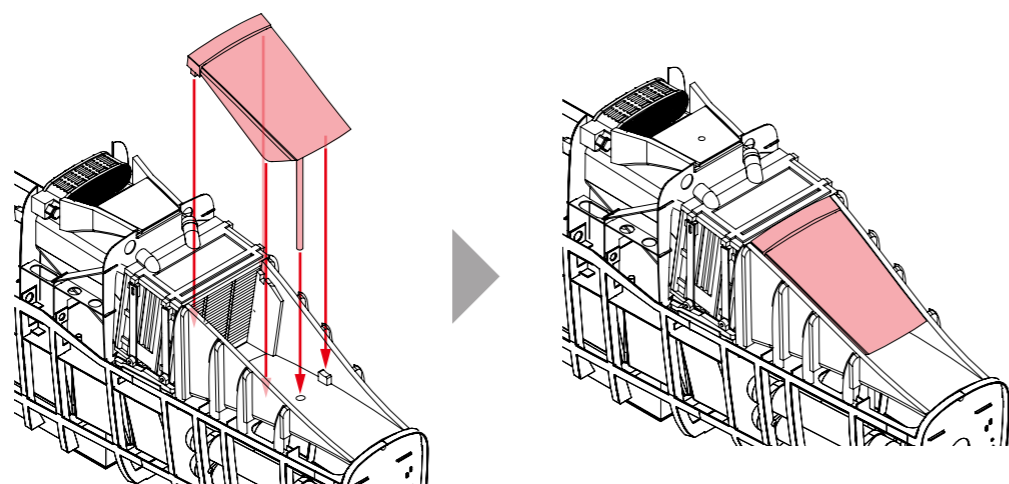
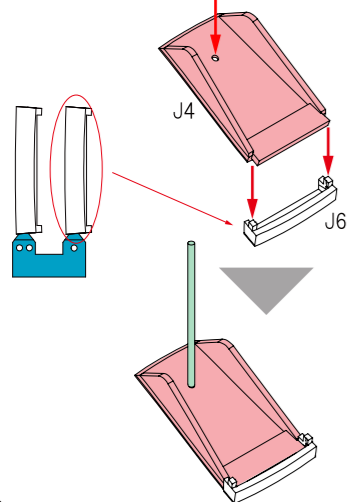


43

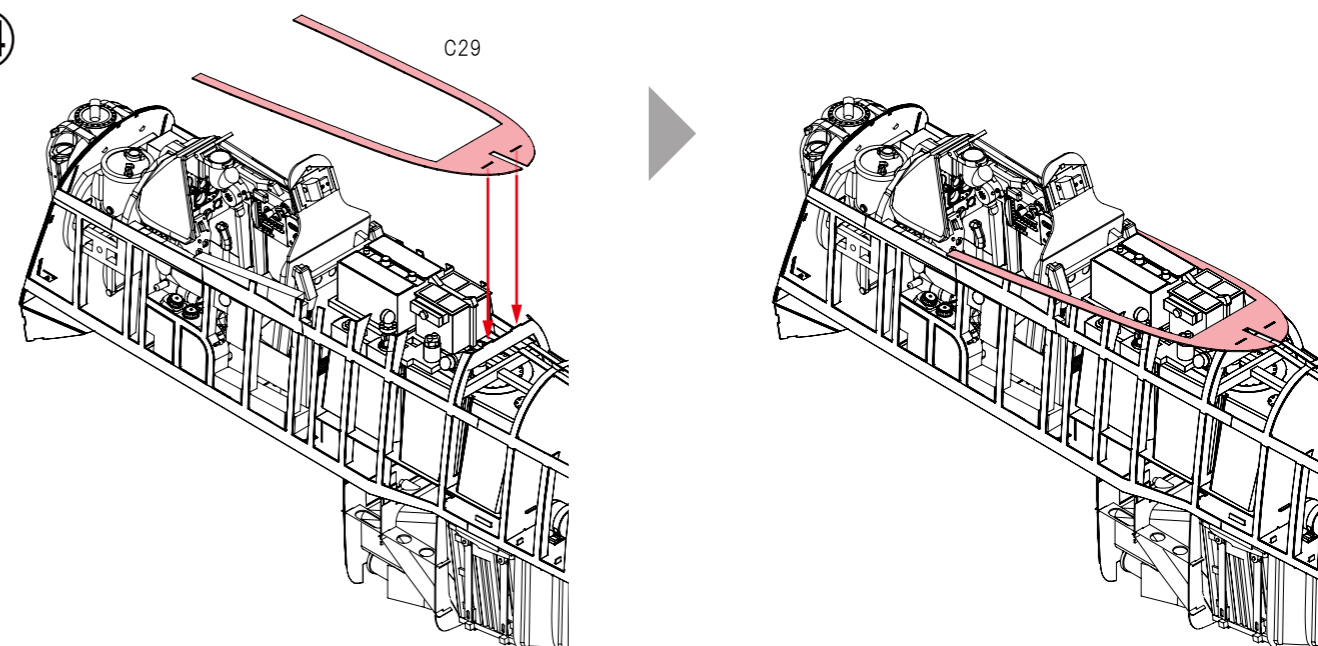


41

閉じ  
/close mode

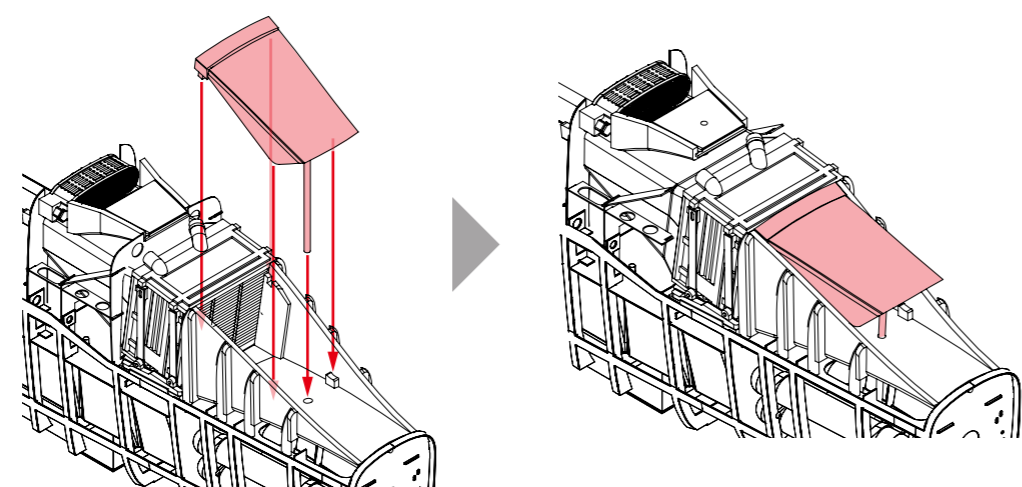
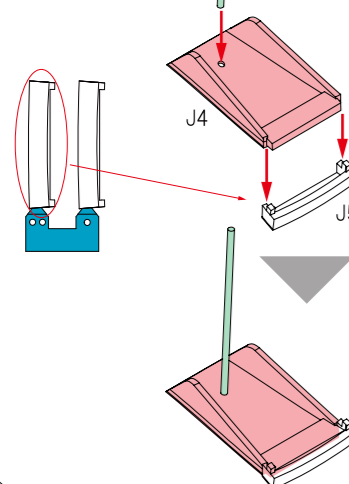


44



42

開き  
/open mode

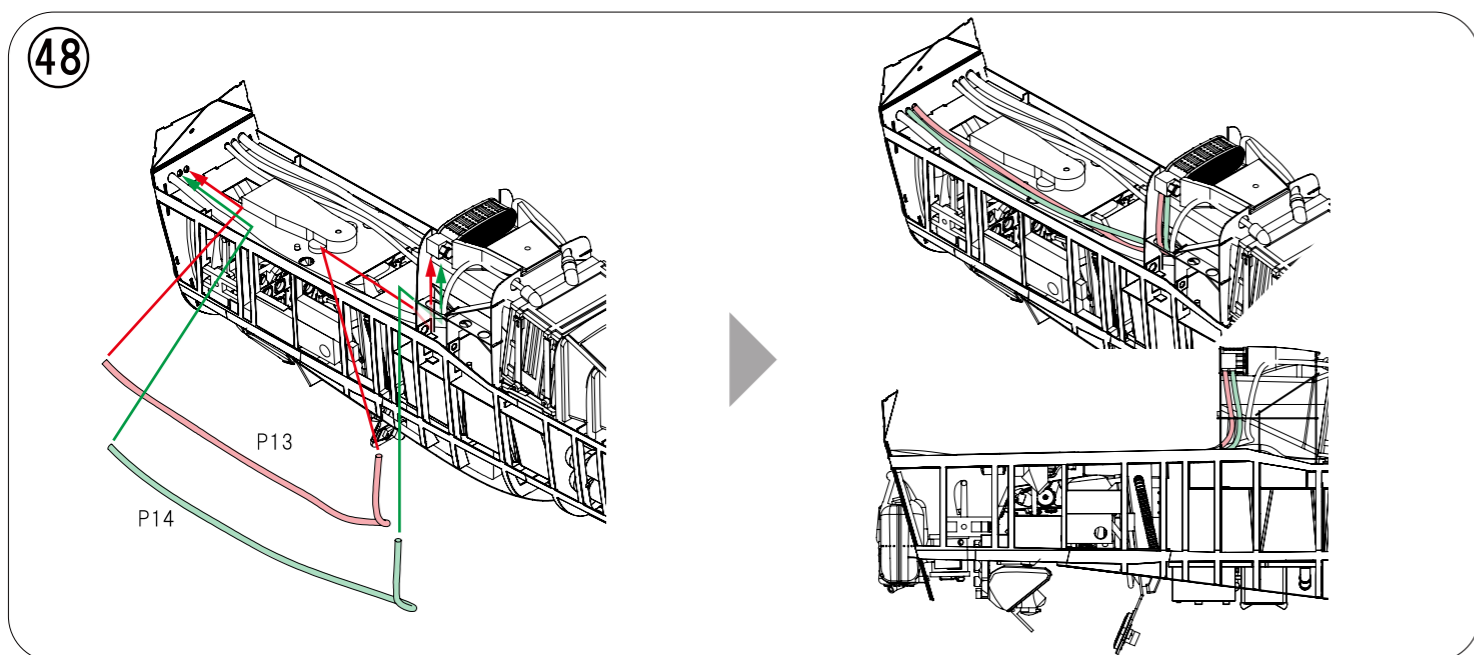
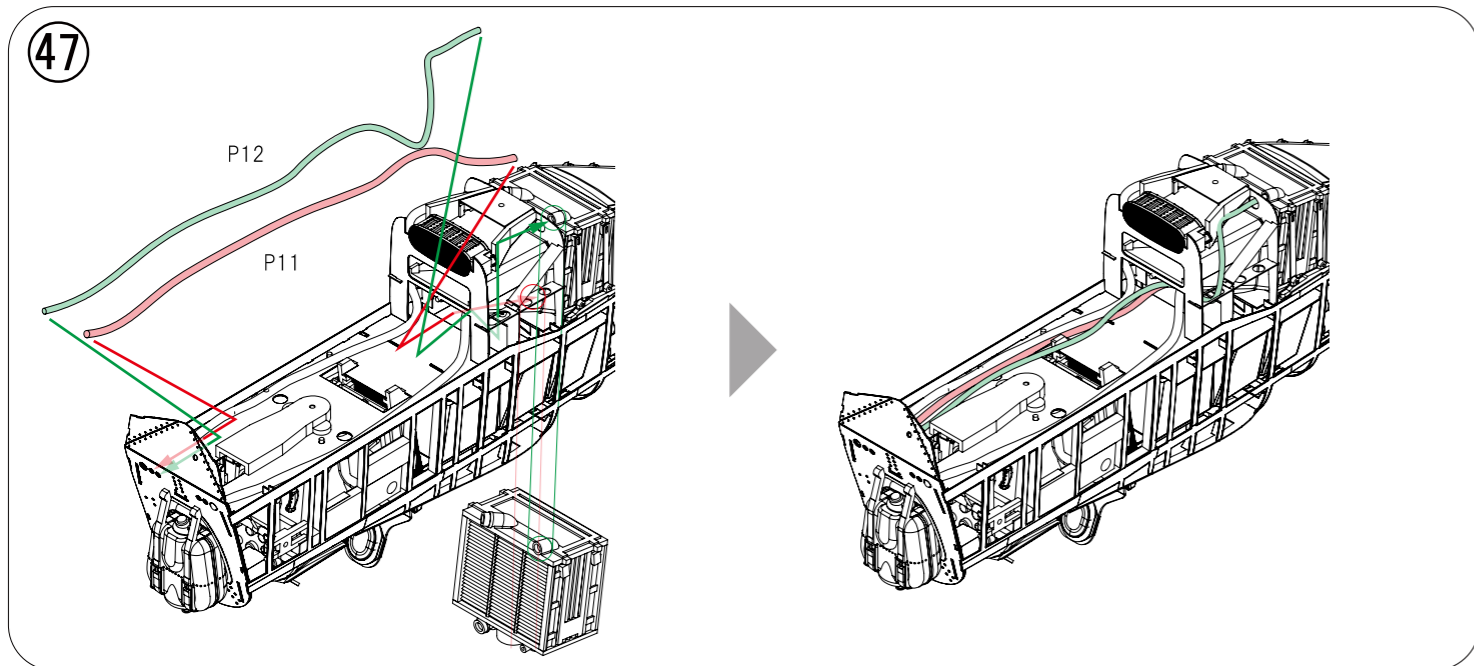
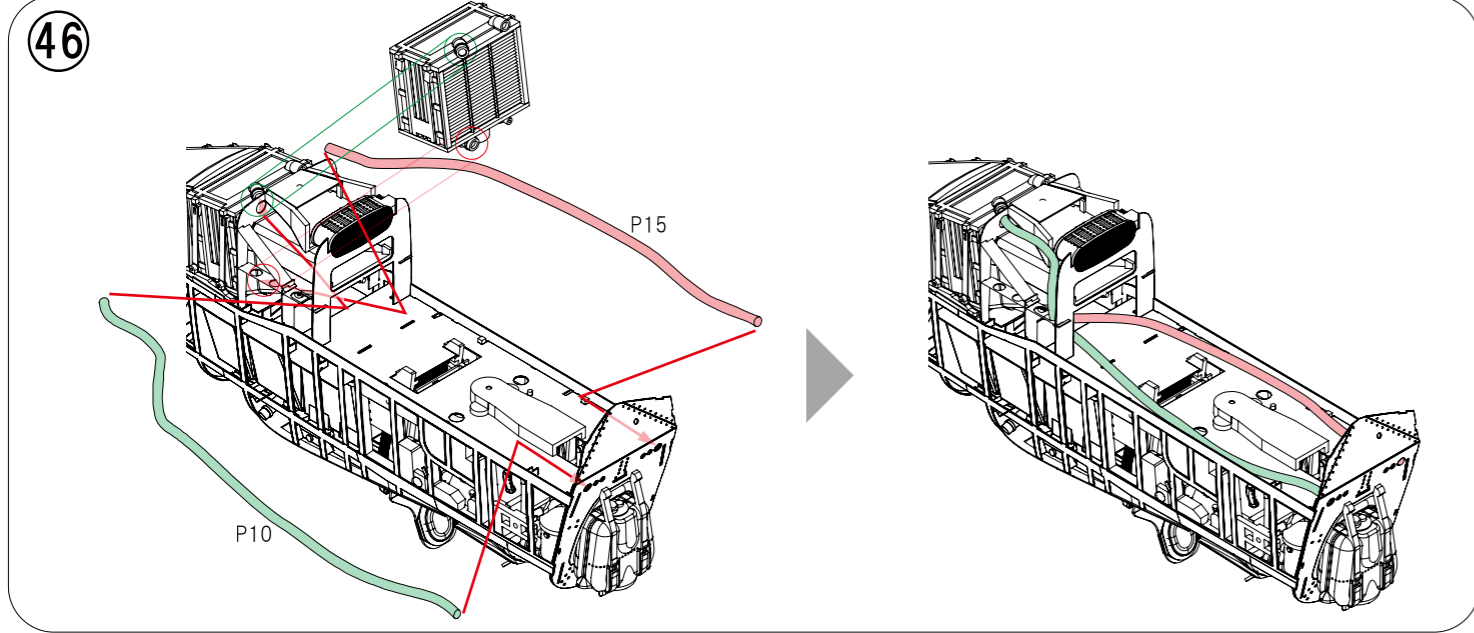


45

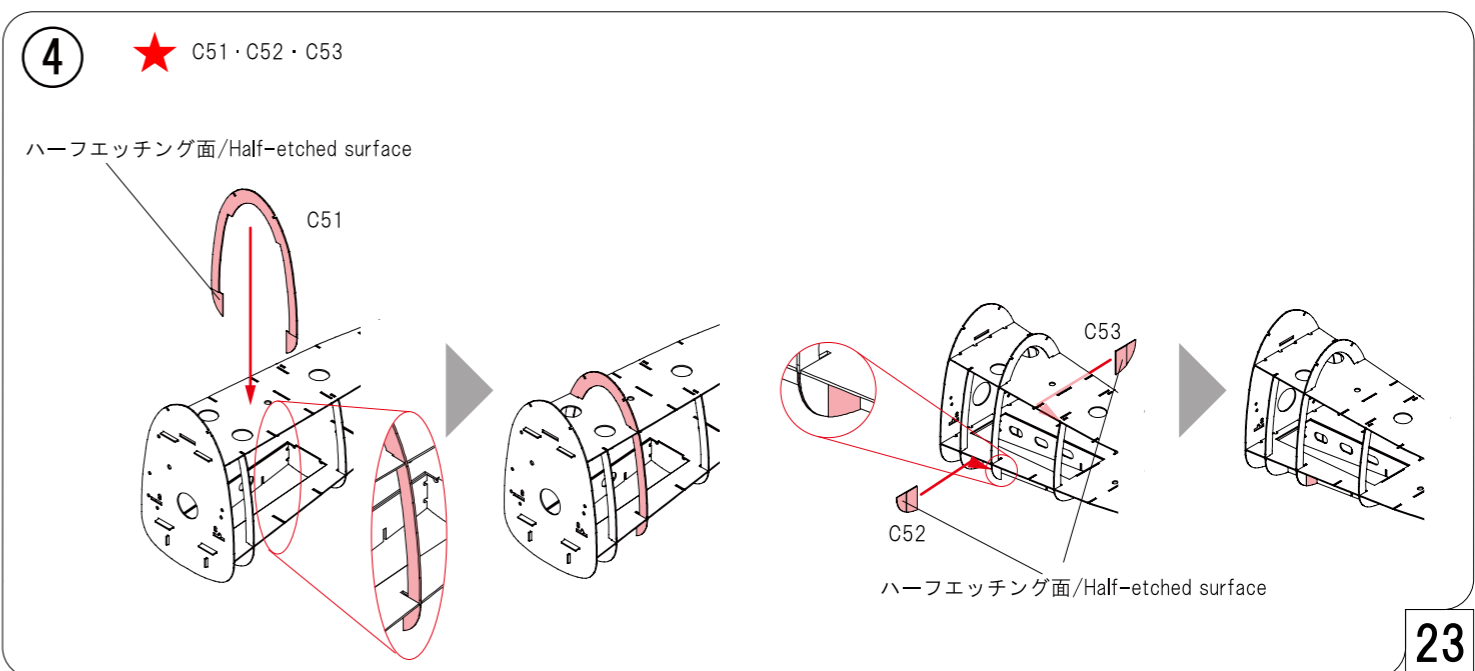
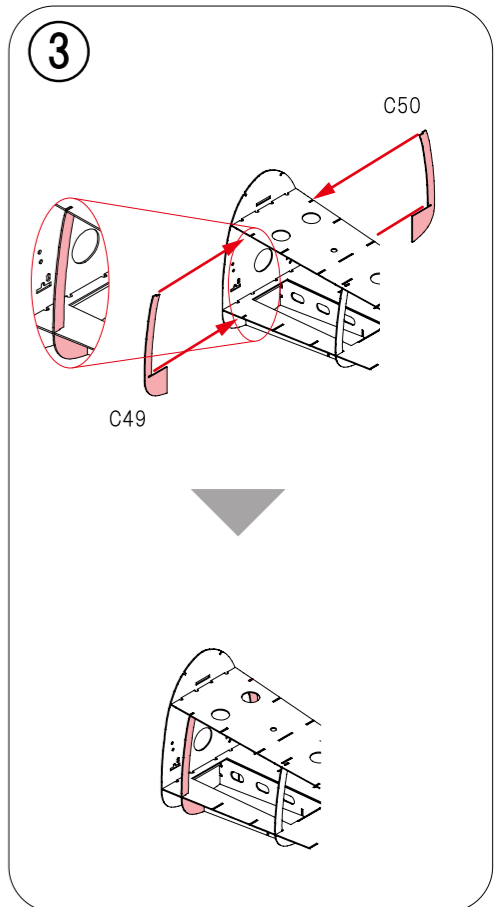
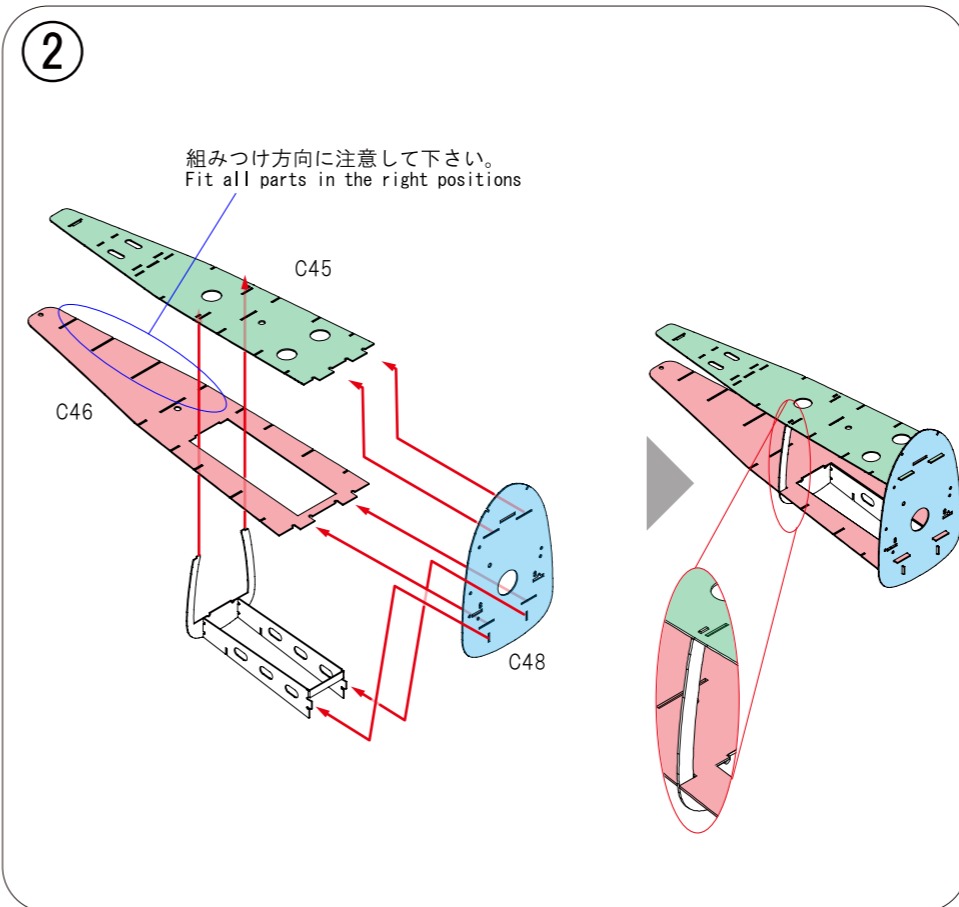
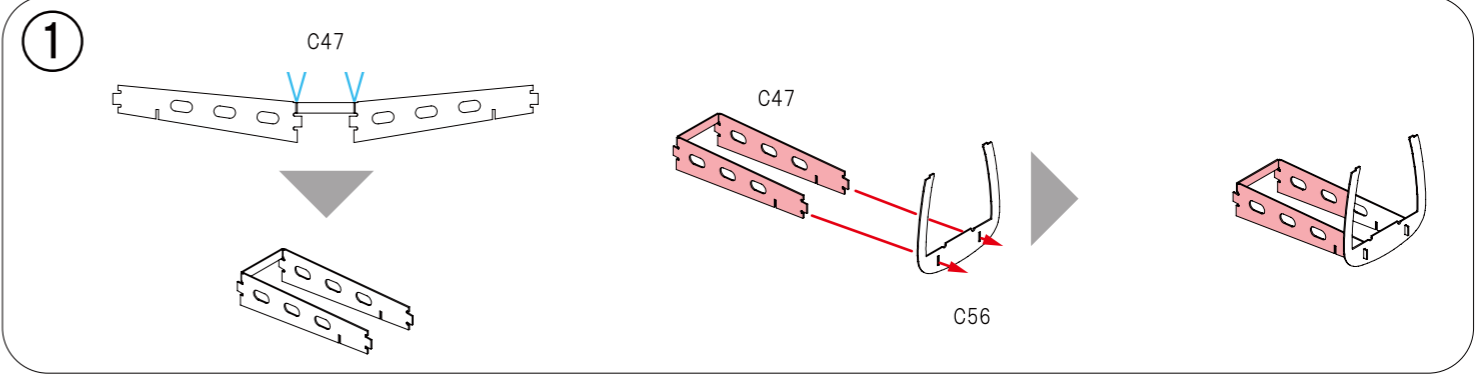
ハンダ線 / Solder wire

P10	Φ1.6mm × 108mm	
P11	Φ1.2mm × 91mm	
P12	Φ1.2mm × 115mm	
P13	Φ1.2mm × 85.5mm	
P14	Φ1.2mm × 88.5mm	
P15	Φ1.6mm × 90.5mm	

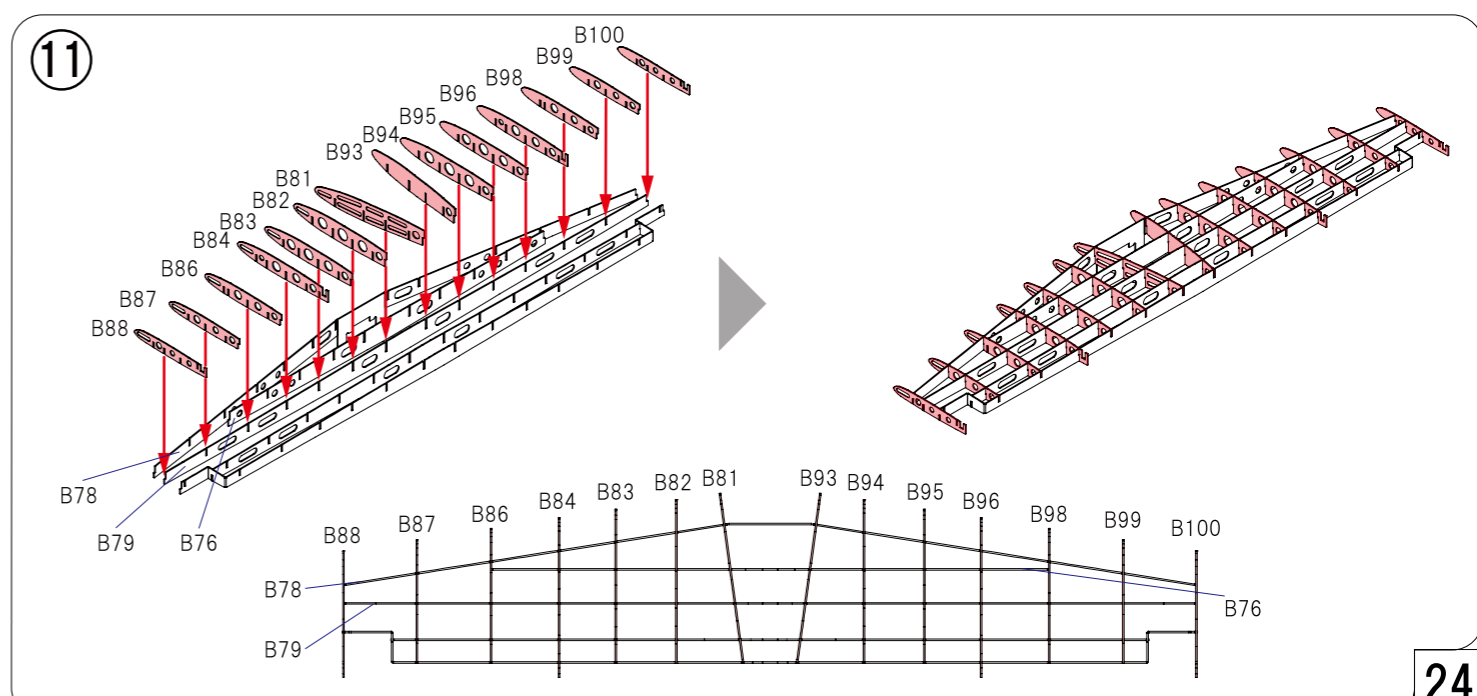
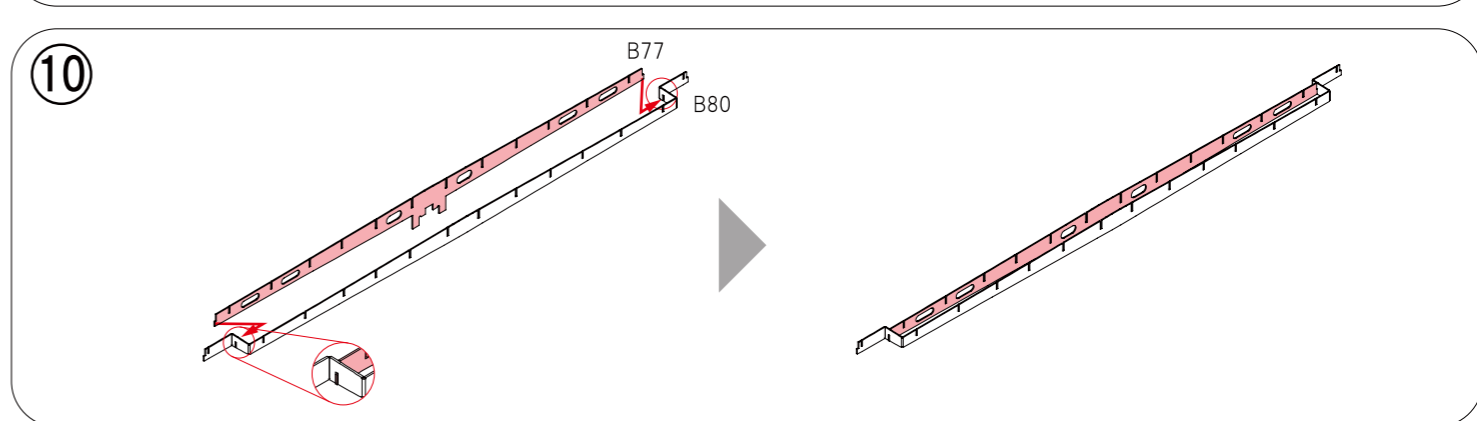
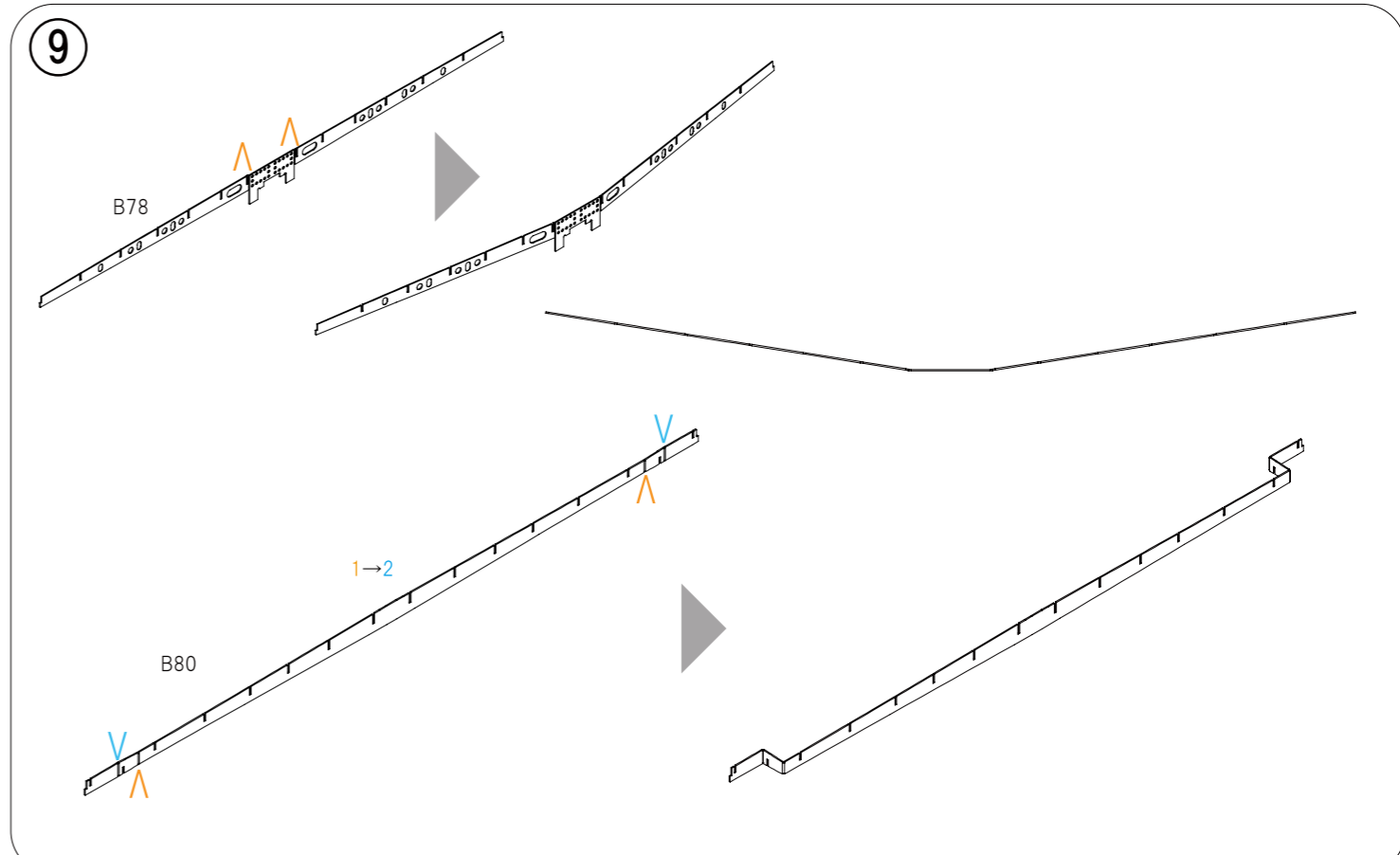
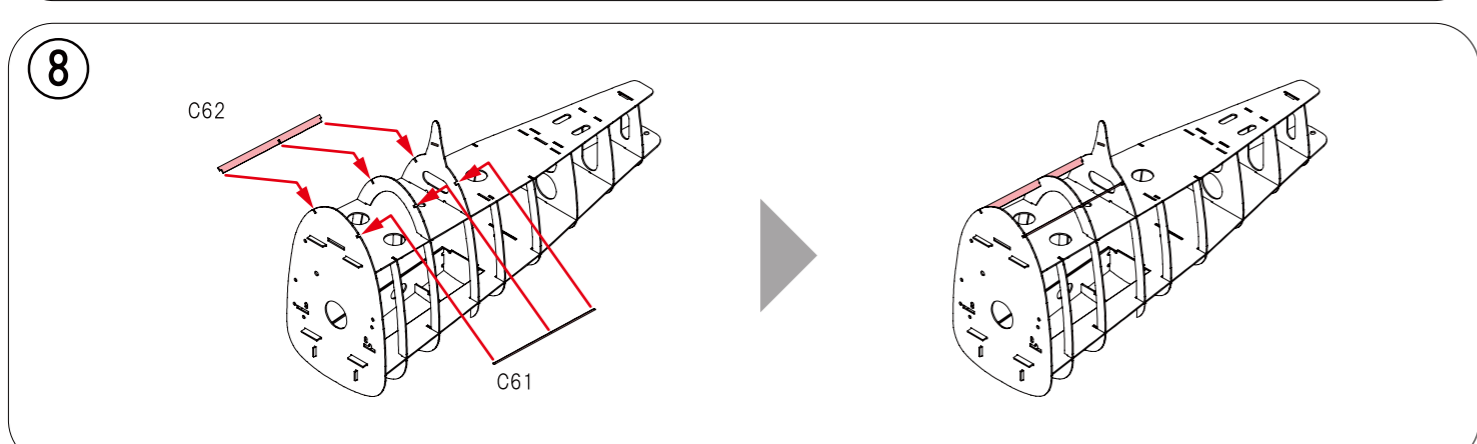
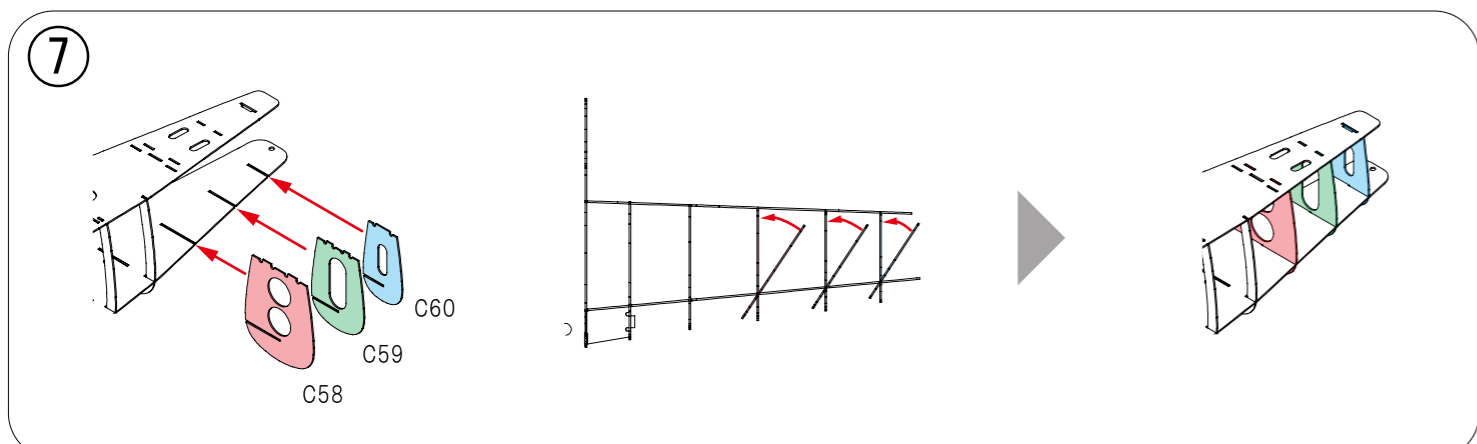
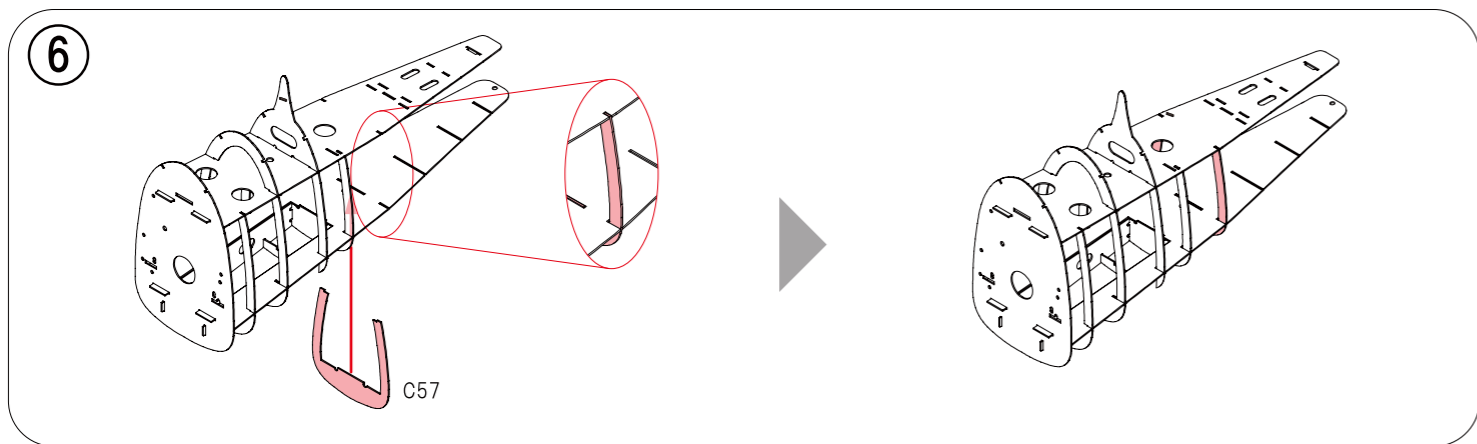
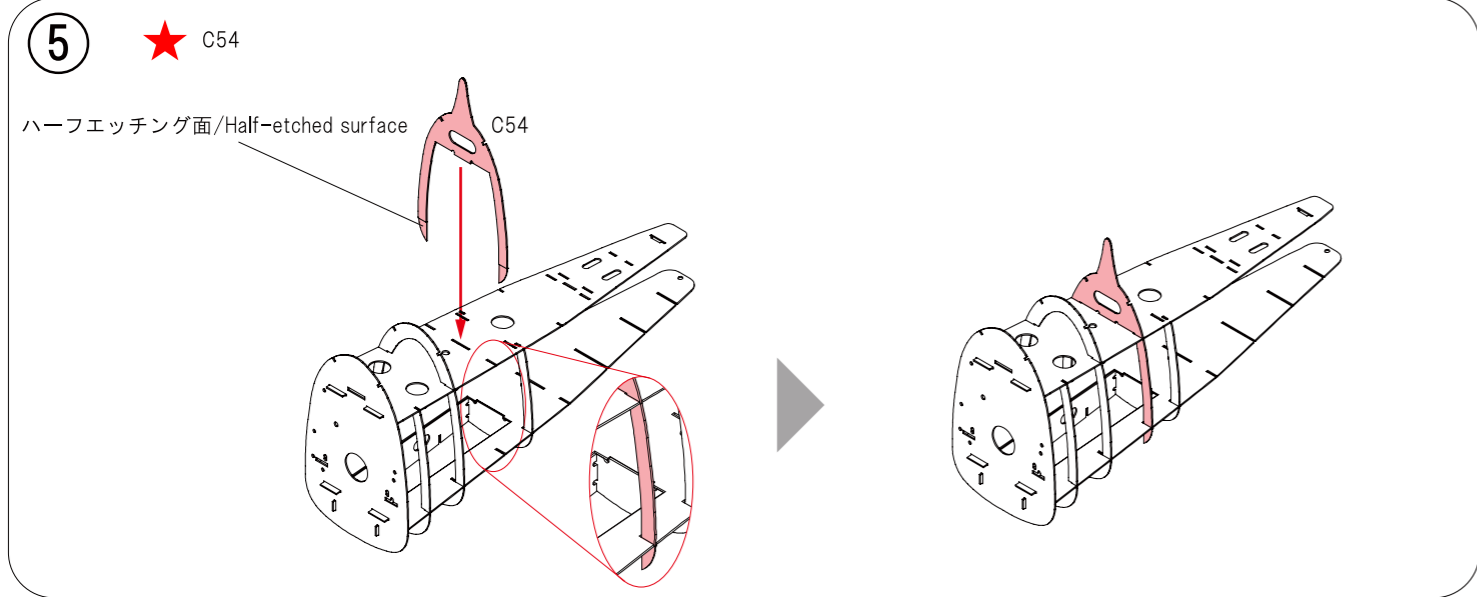
# desktopMUSTANG



# 尾部 / Tail



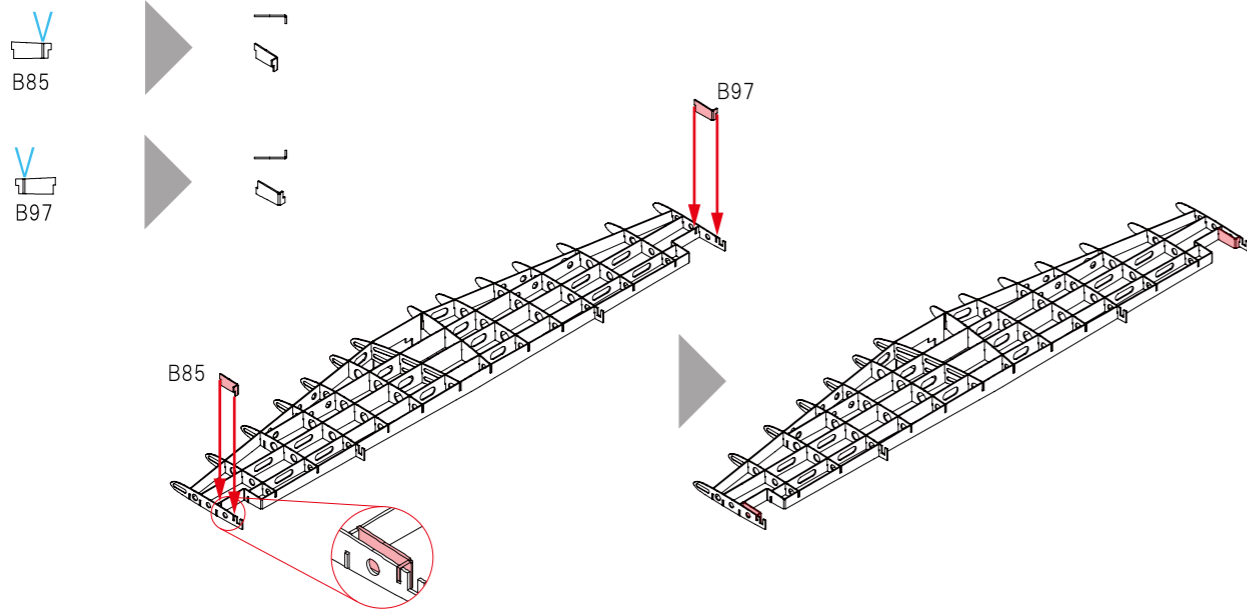
# desktopMUSTANG



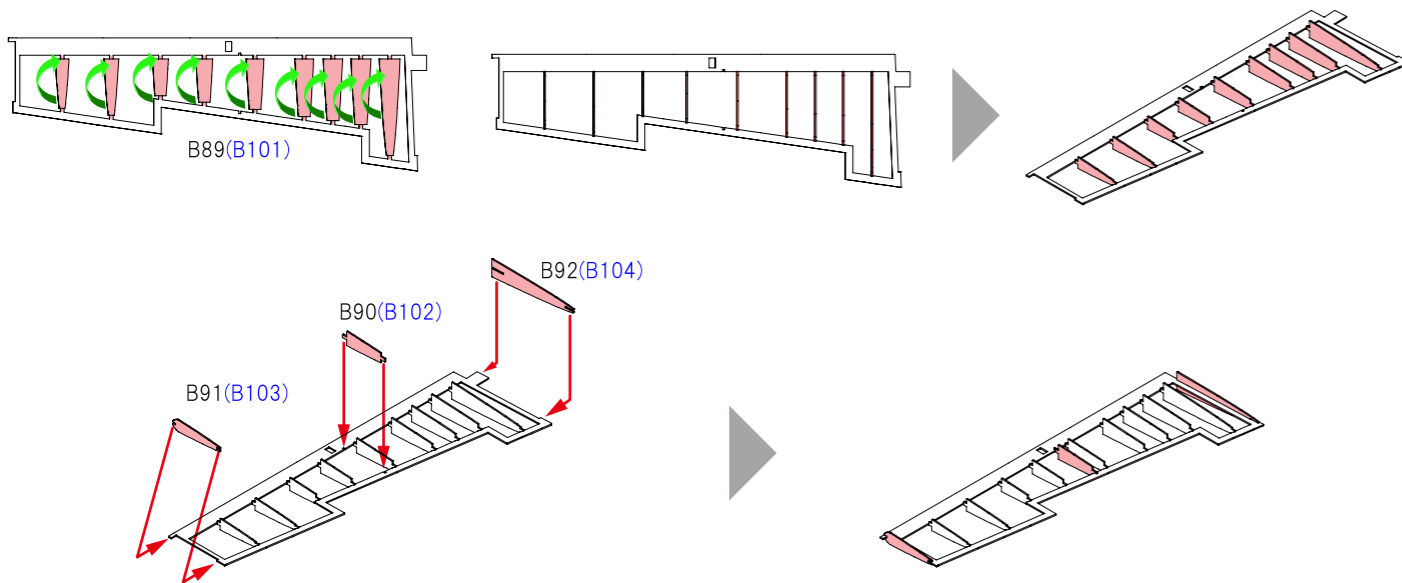


# desktopMUSTABG

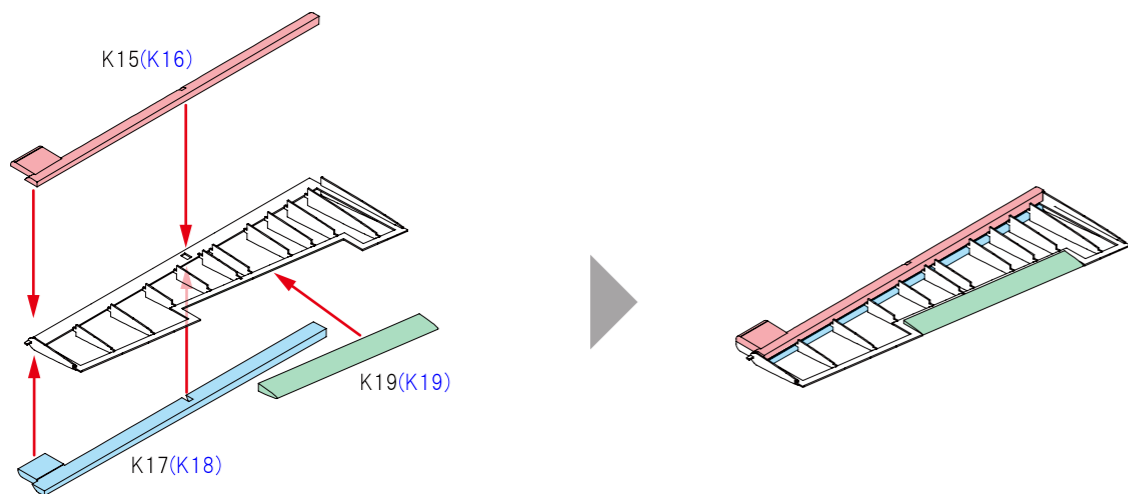
12



13



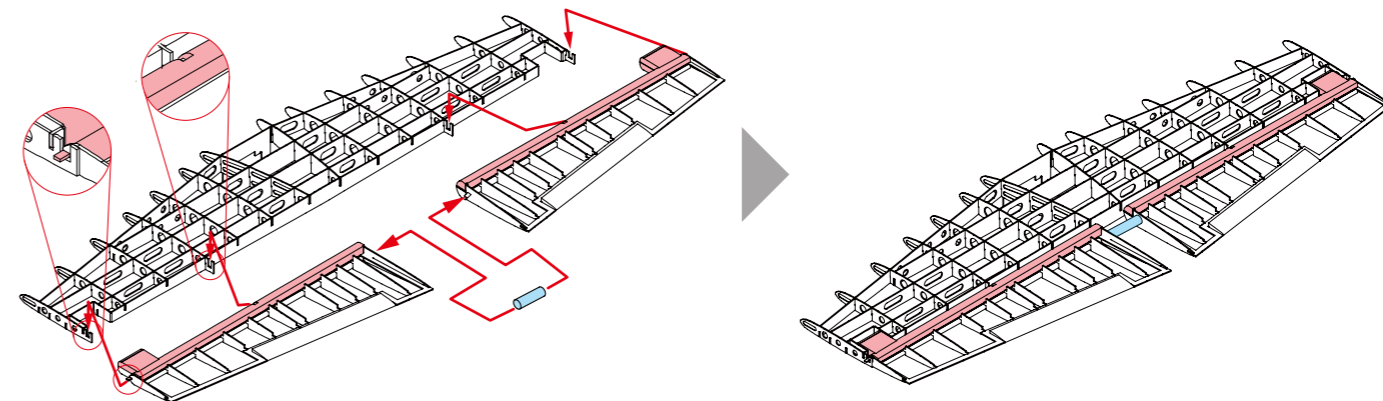
14



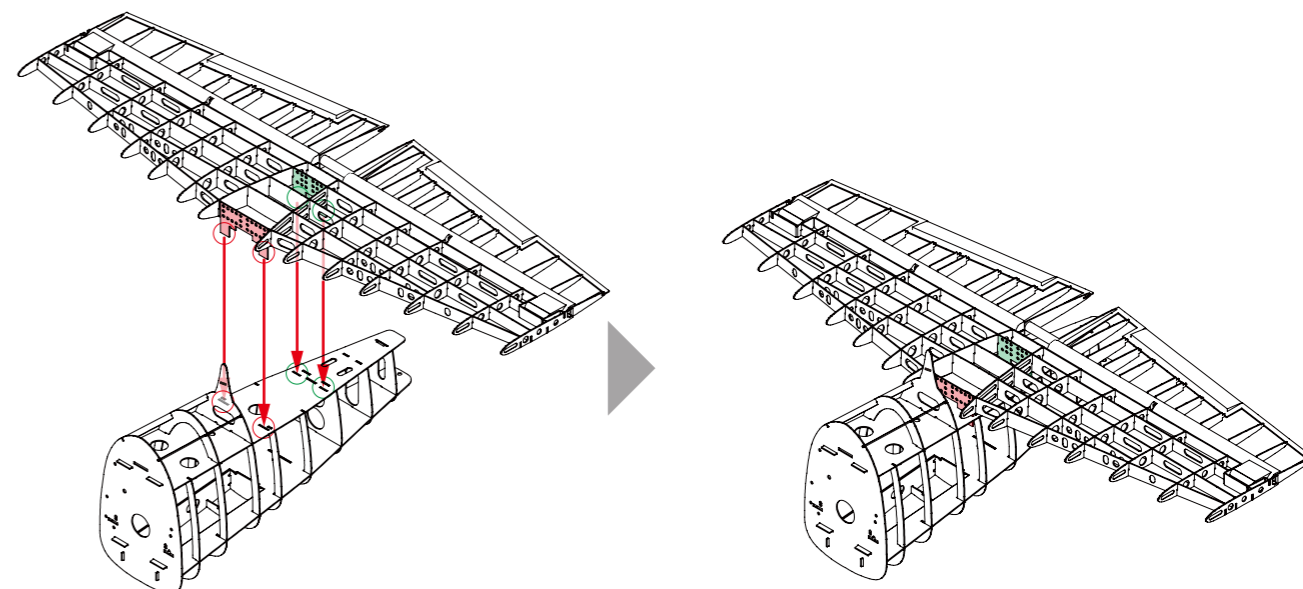
15

アルミパイプ/Aluminum pipes

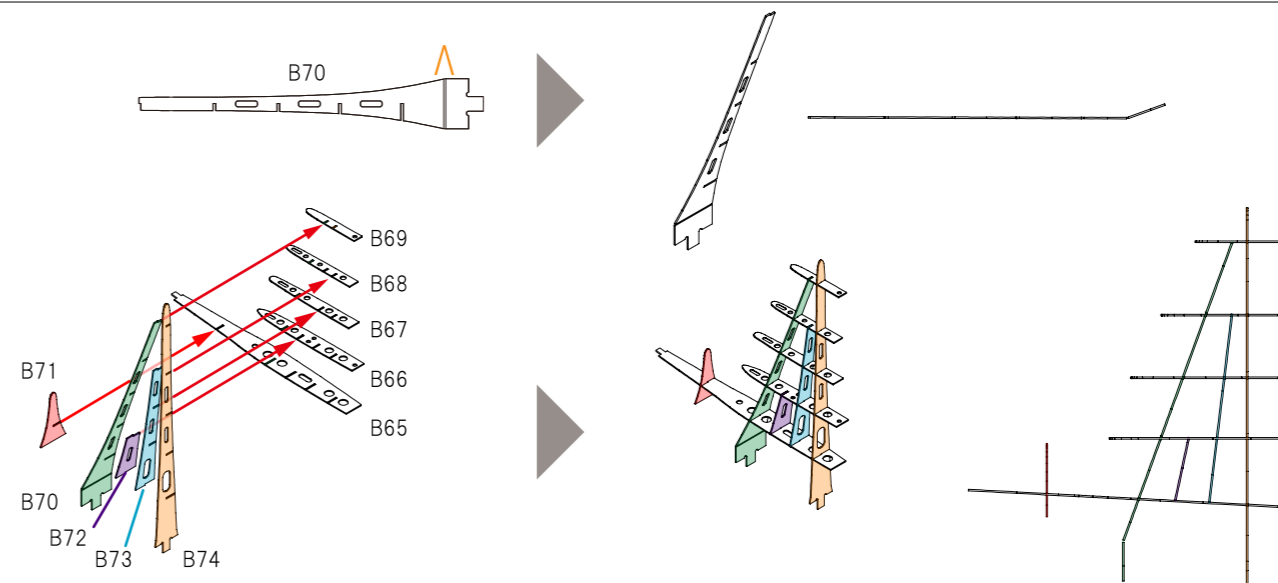
Φ 1.4mm × 7mm



16

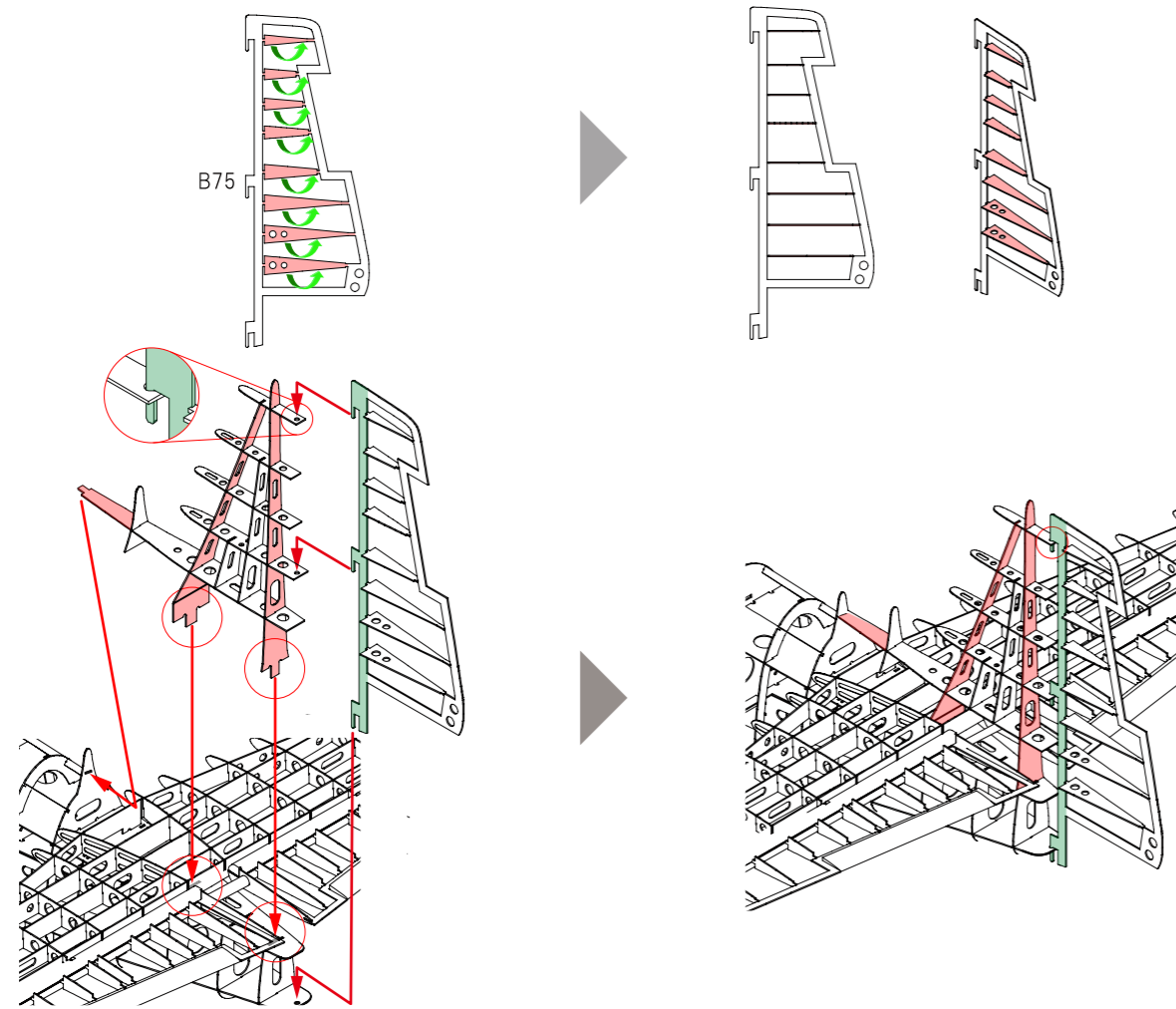


17

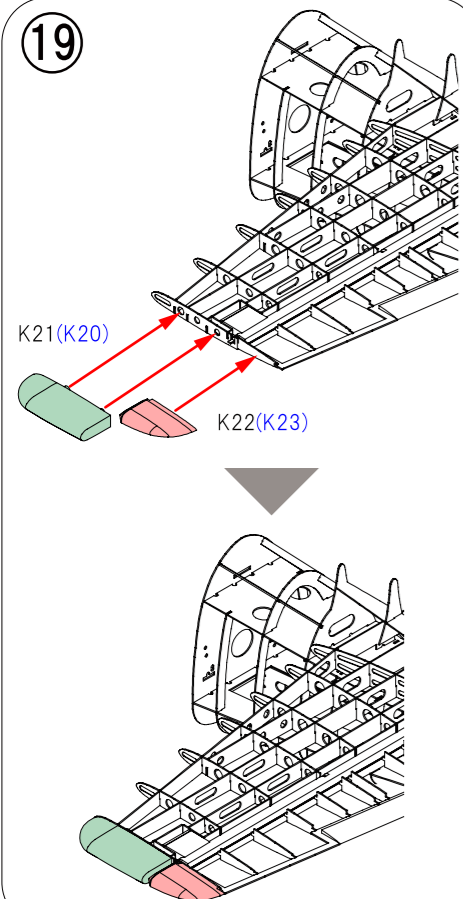


# desktopMUSTANG

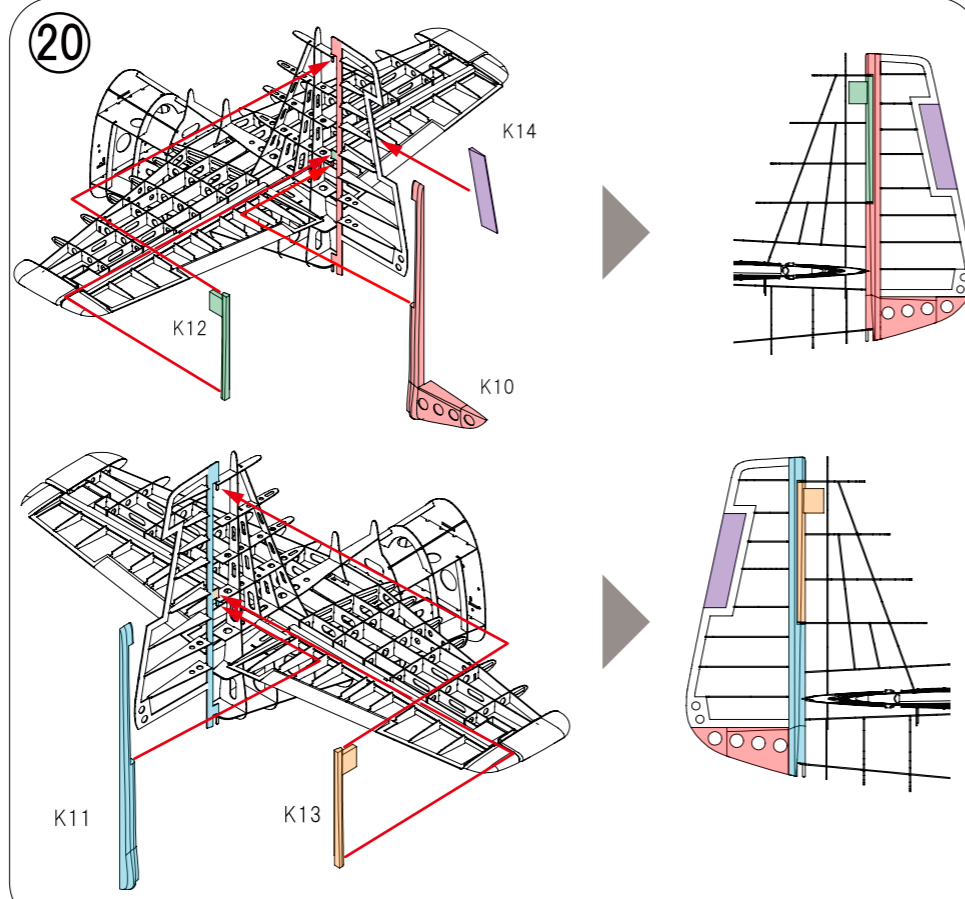
18



19

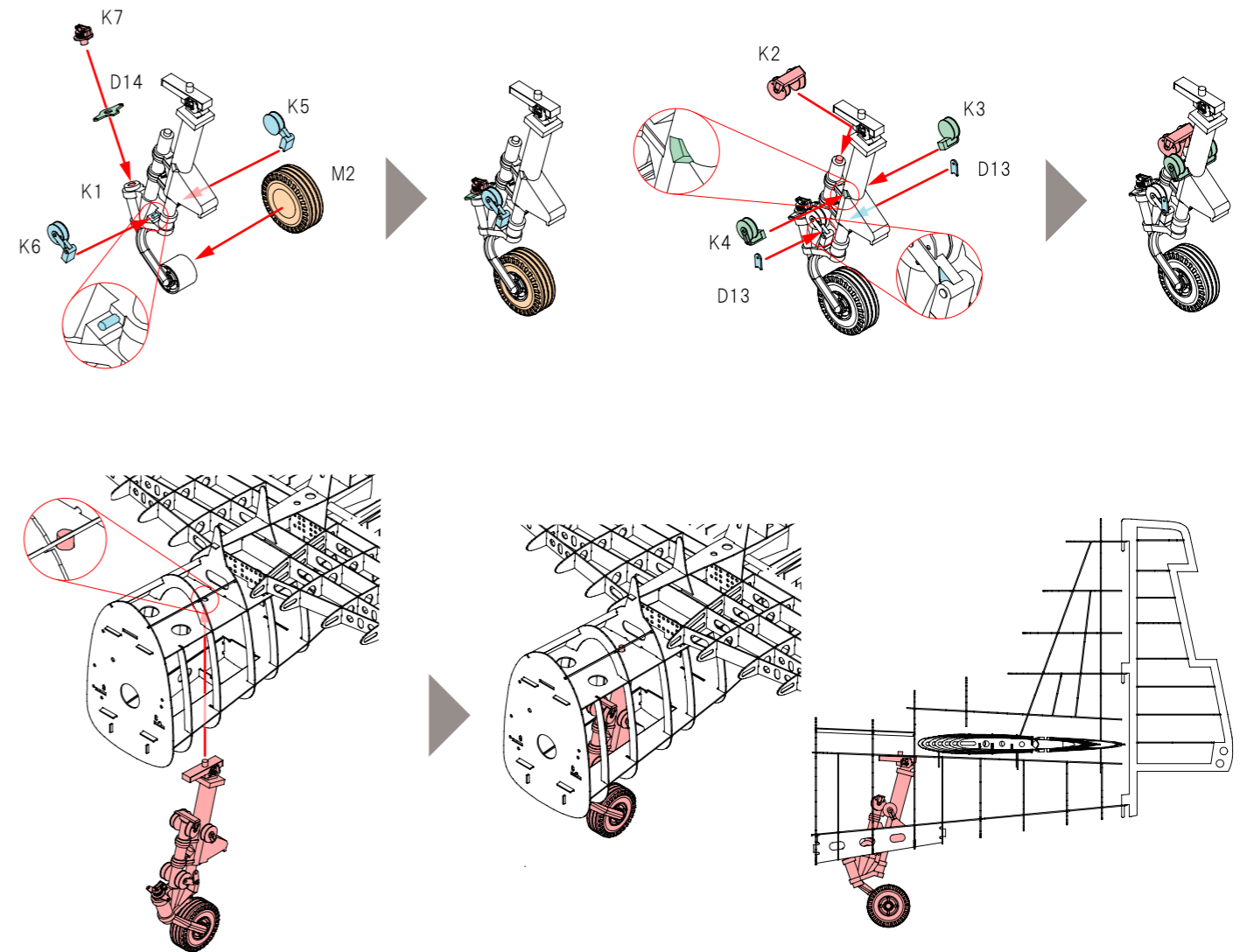


20

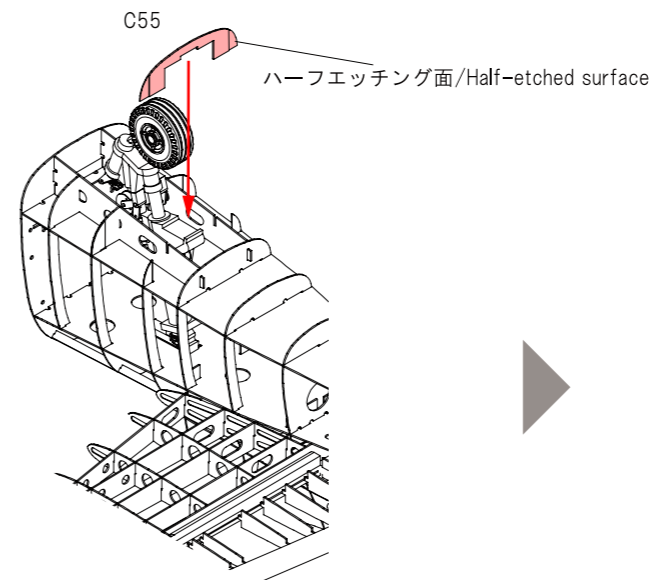


21

着陸姿勢  
Landing attitude

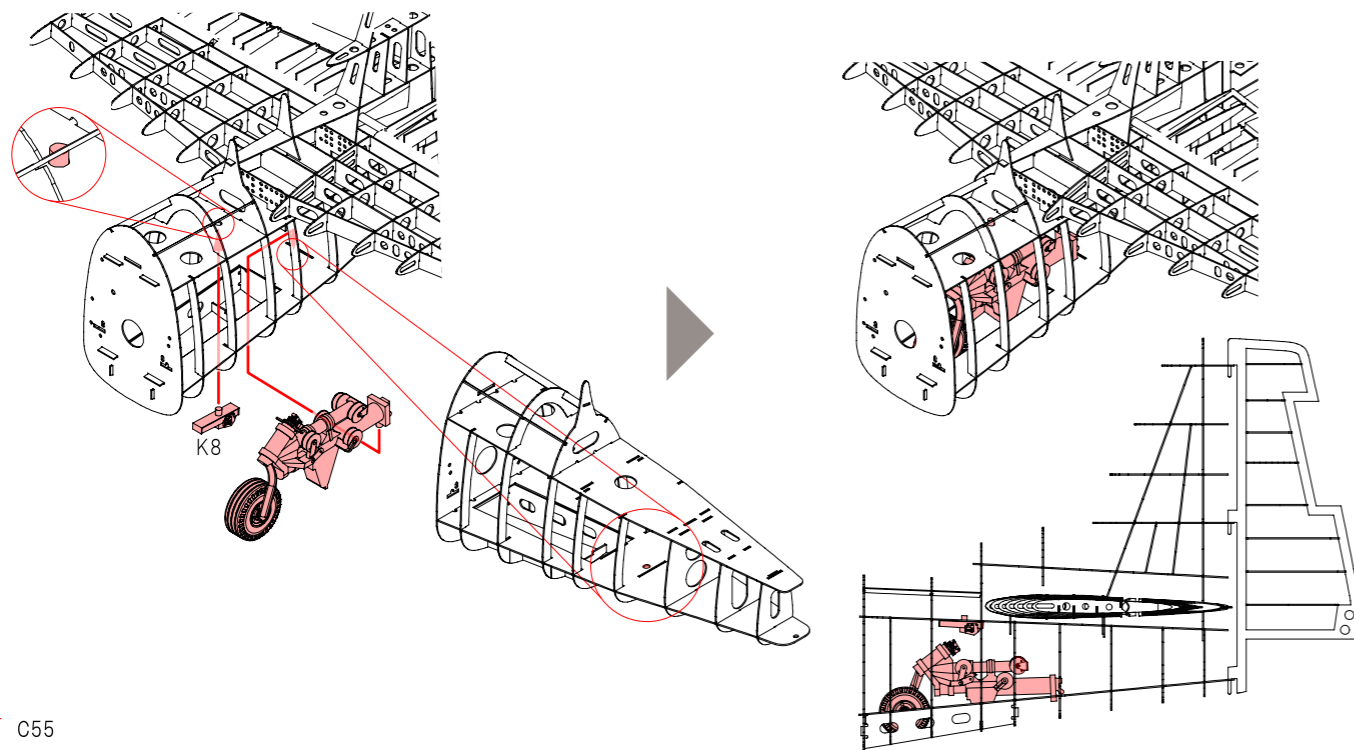
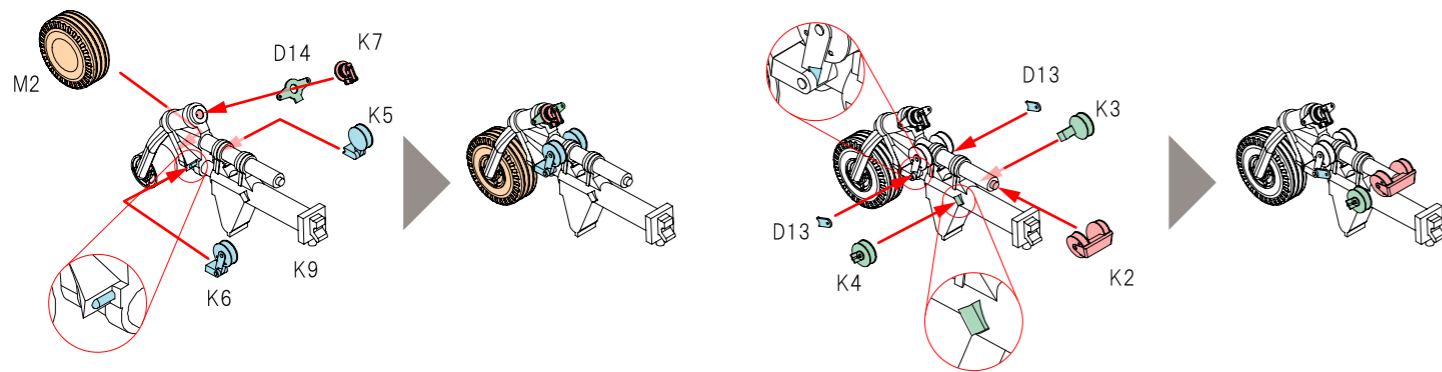


★ C55

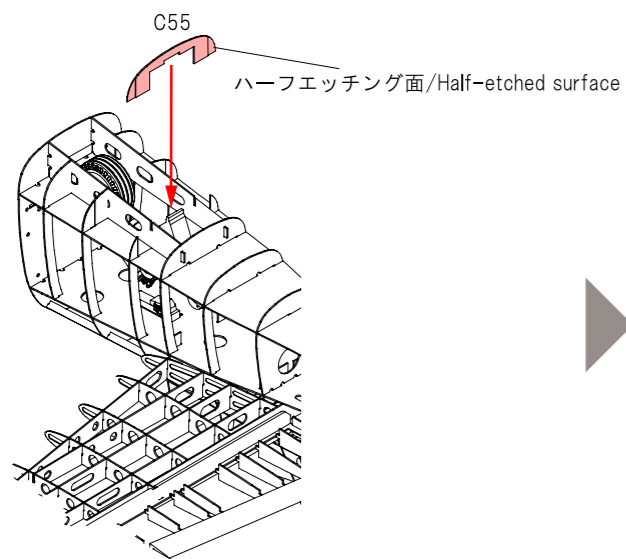


# desktopMUSTANG

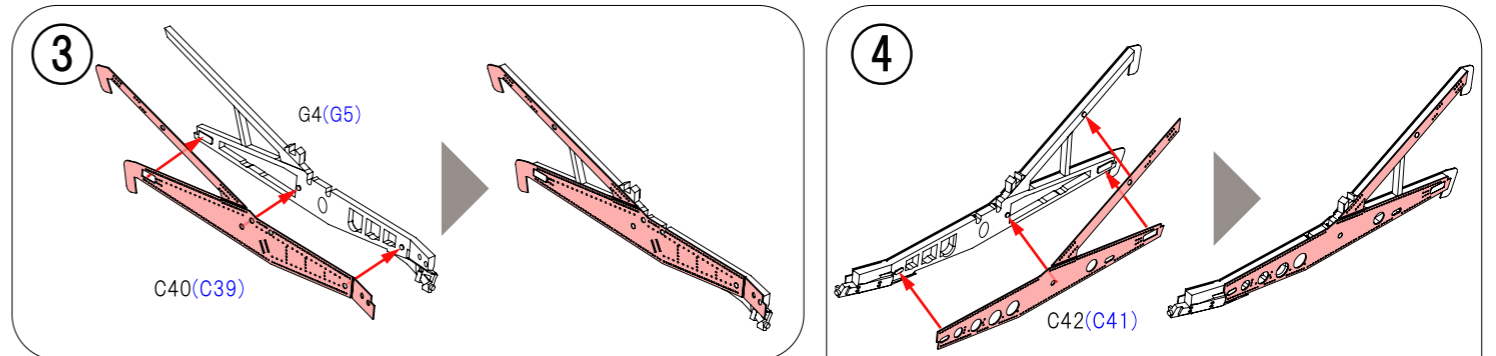
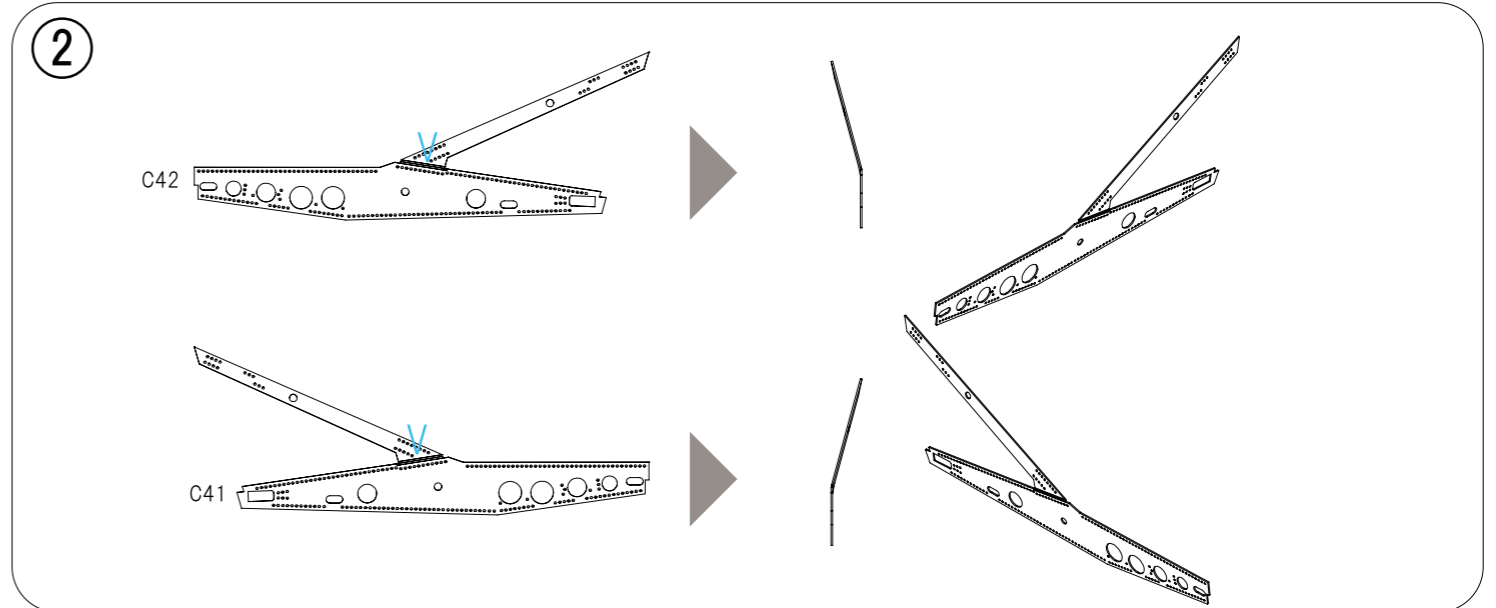
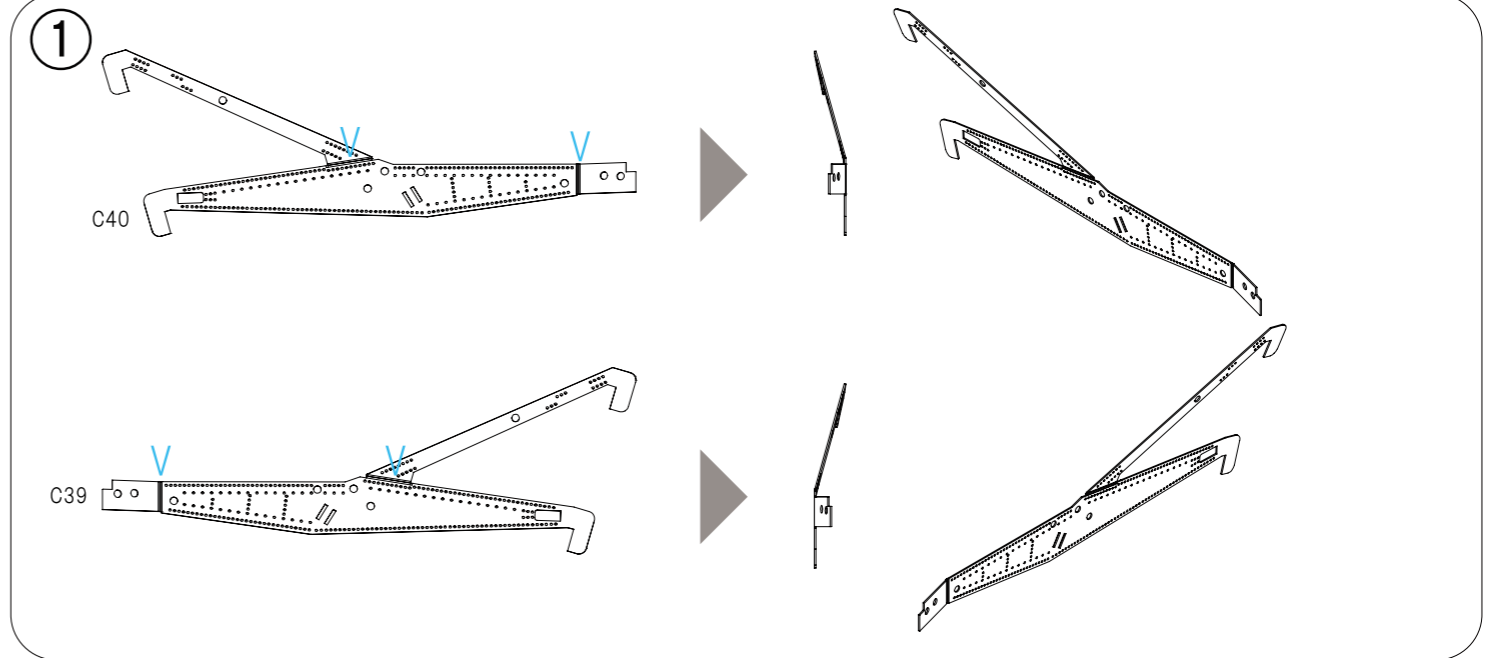
## 22 飛行姿勢 Flight attitude



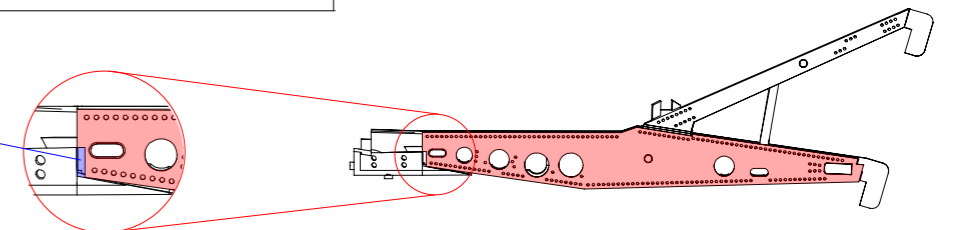
★ C55



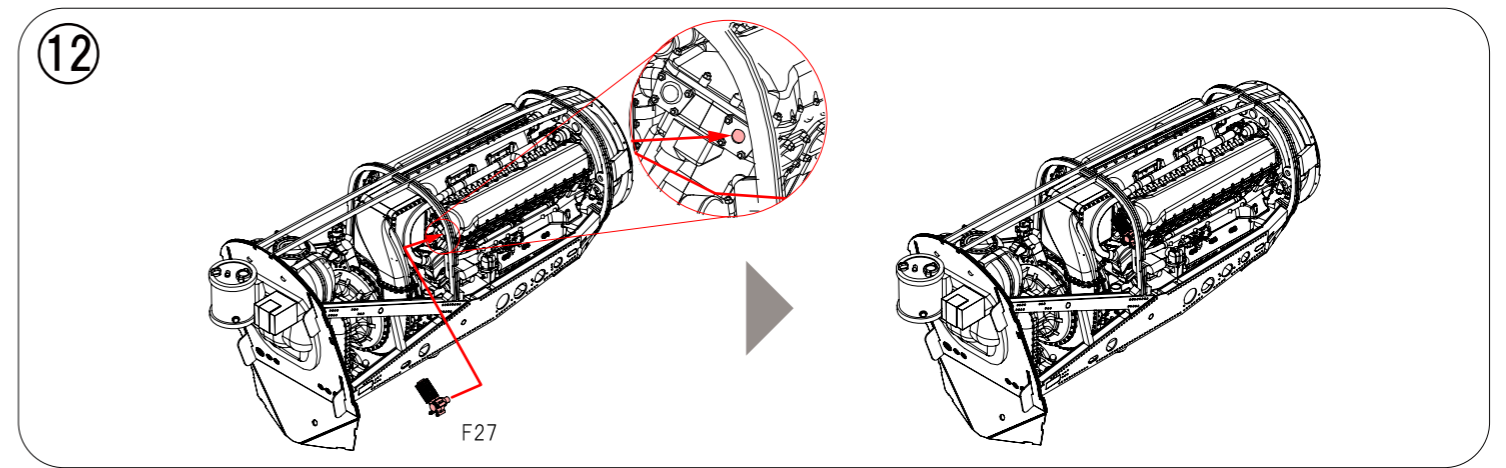
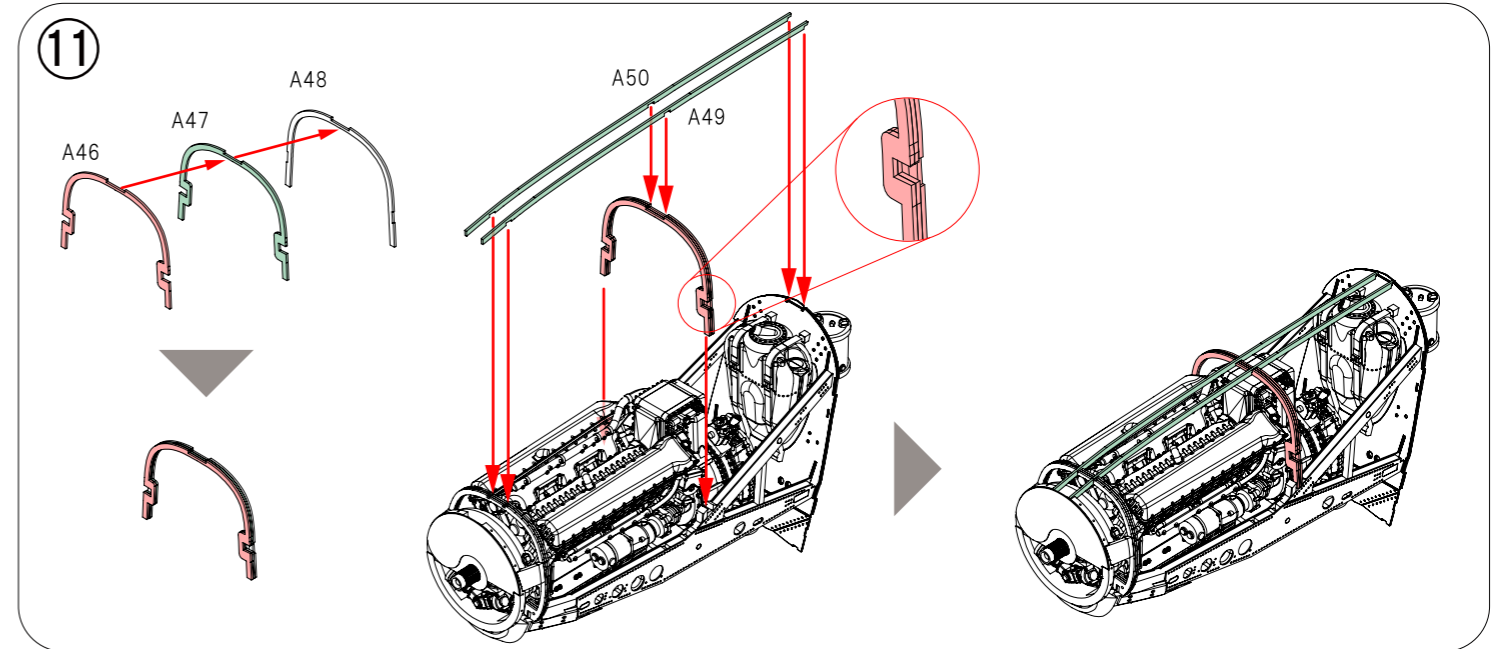
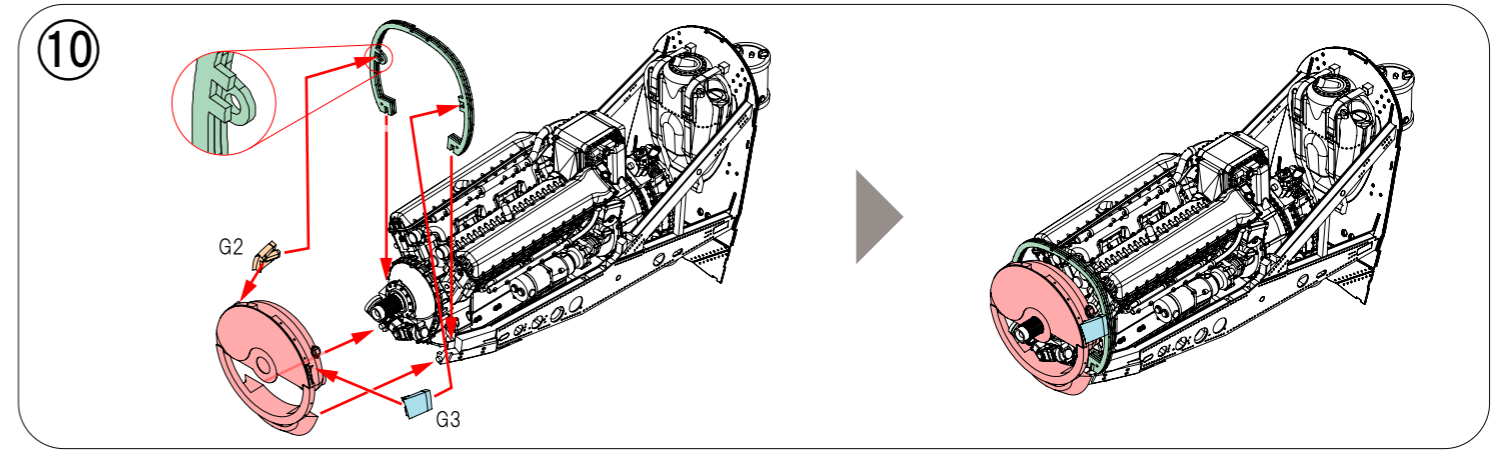
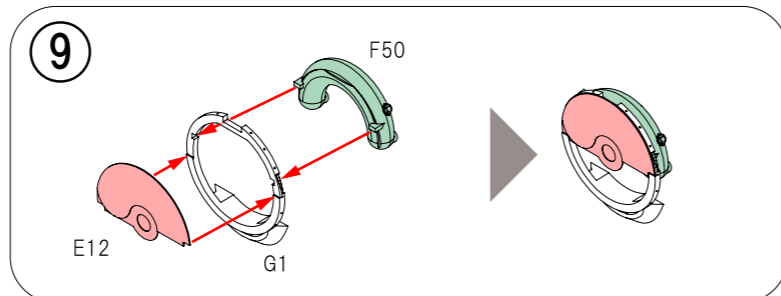
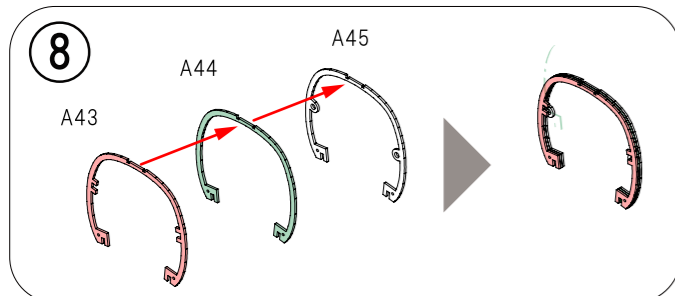
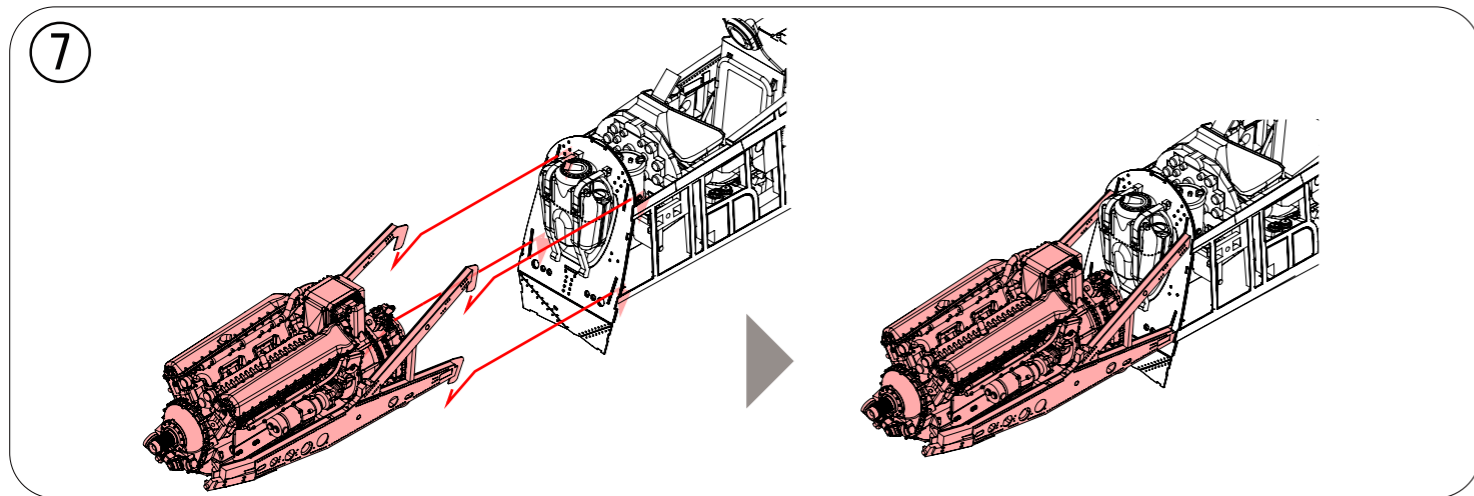
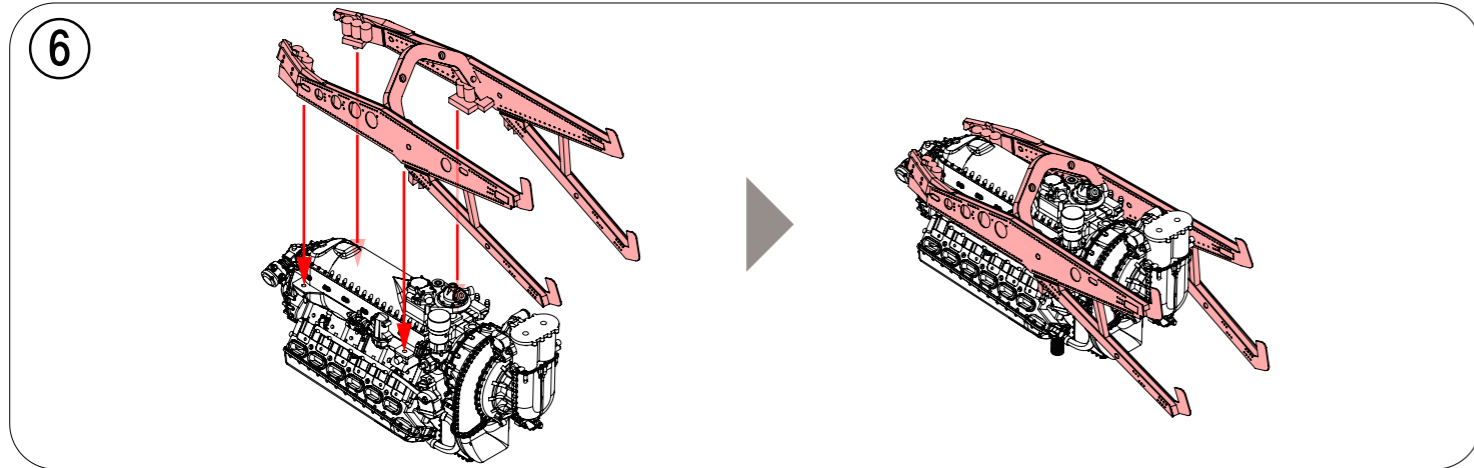
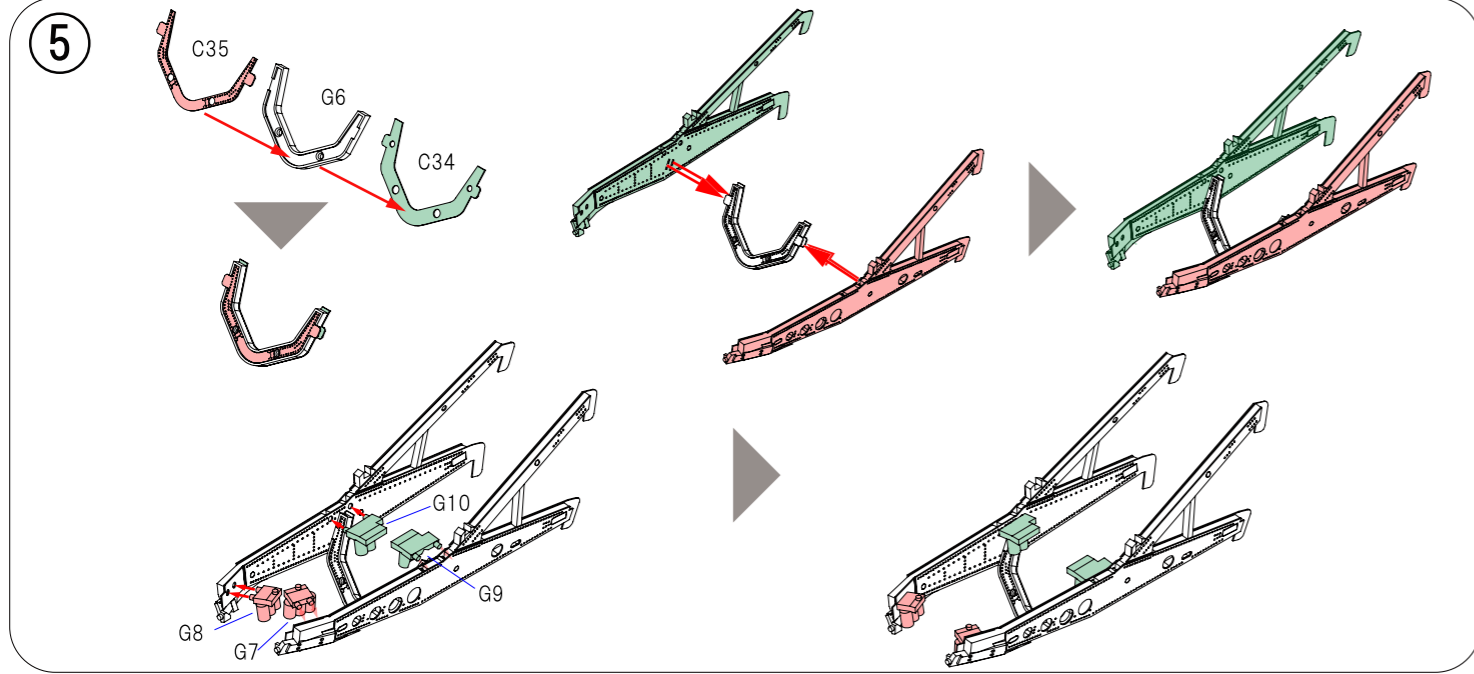
# エンジンマウント / Engine mount



約 0.4 mm 隙間



# desktopMUSTANG

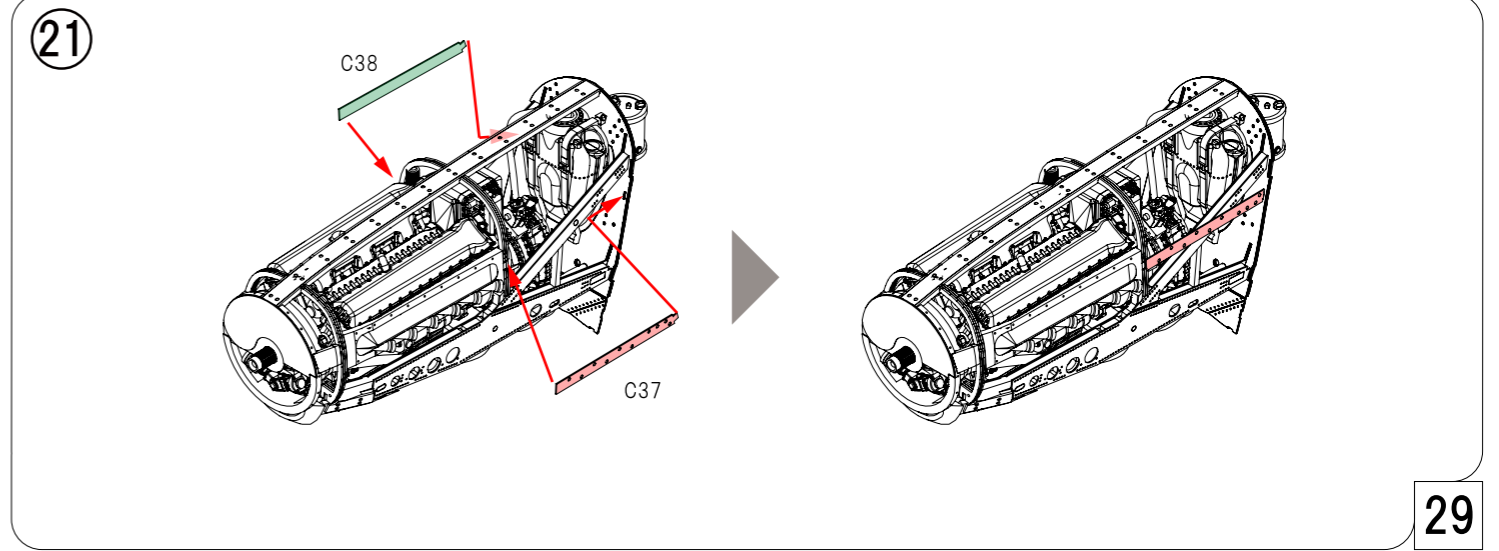
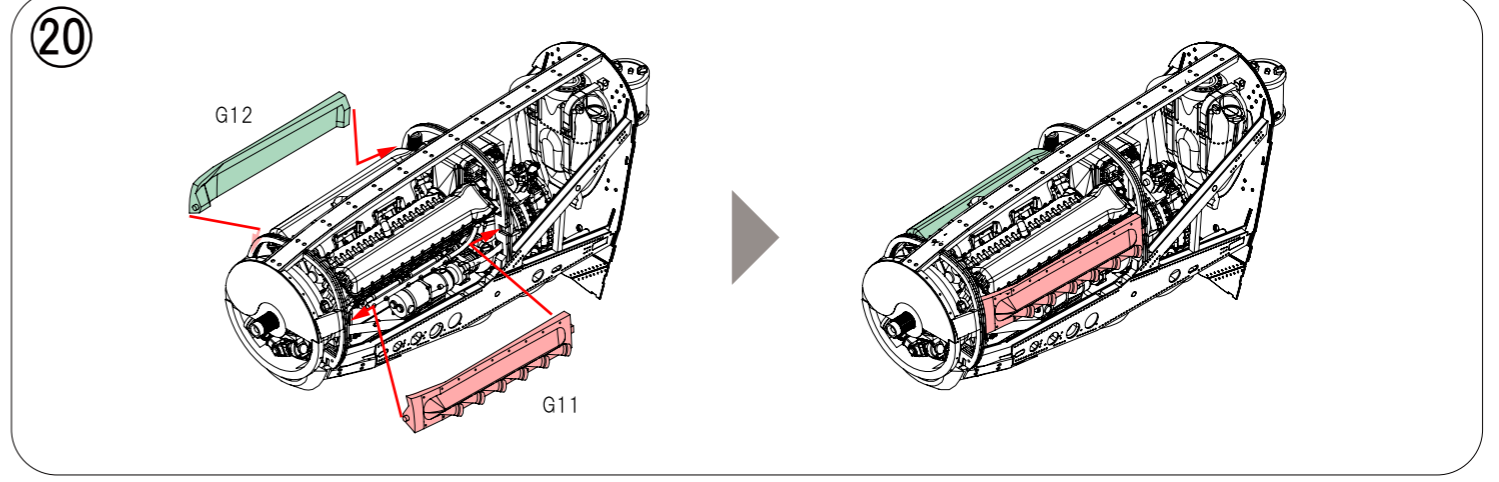
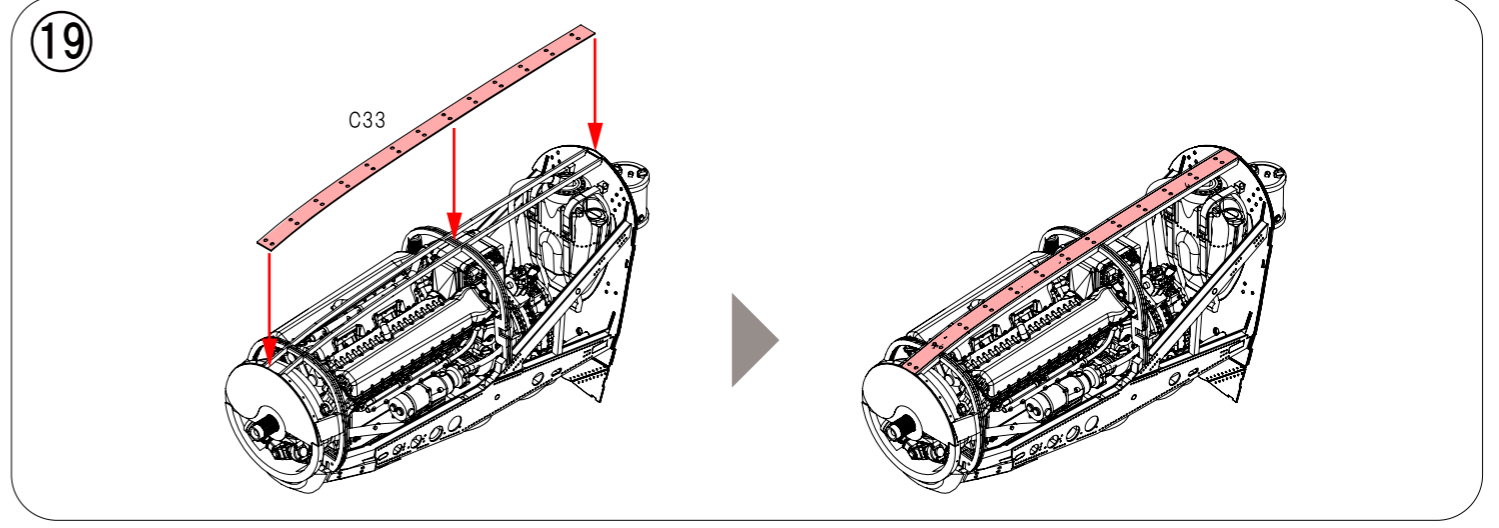
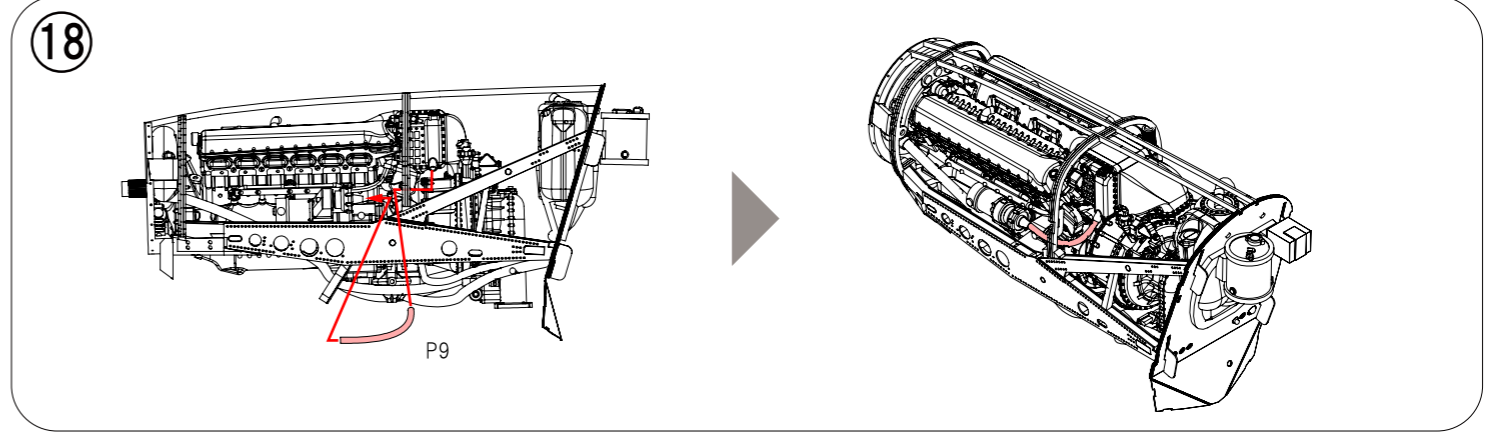
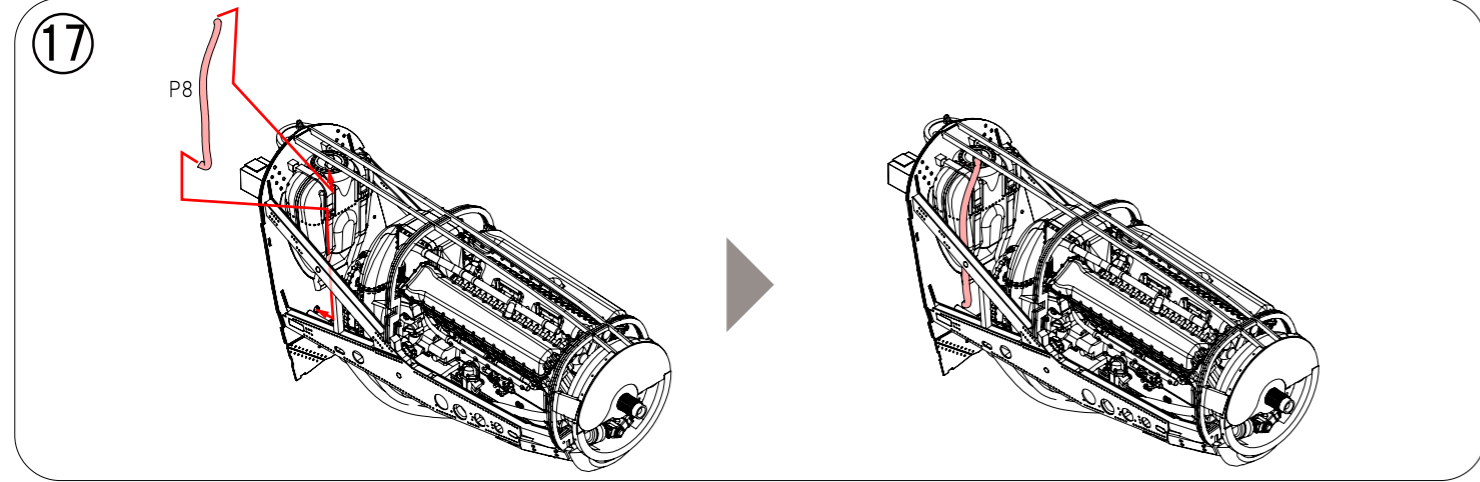
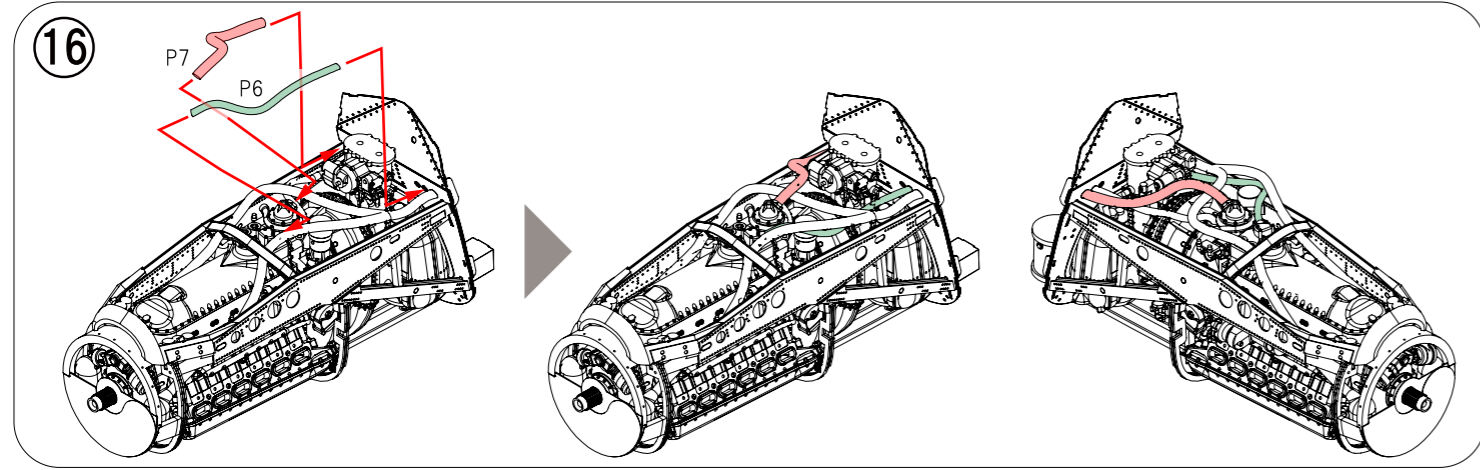
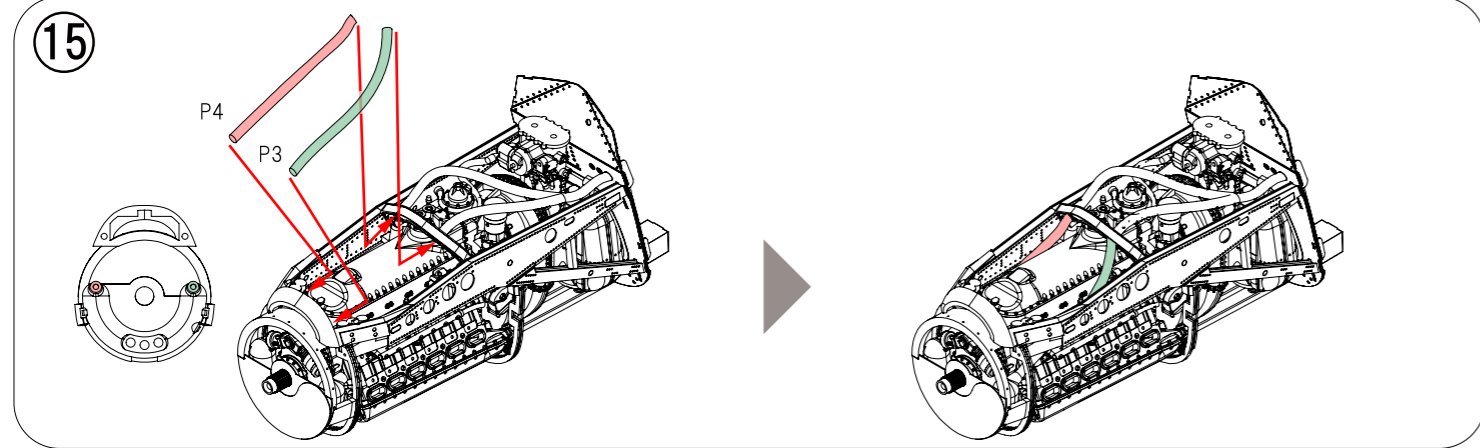
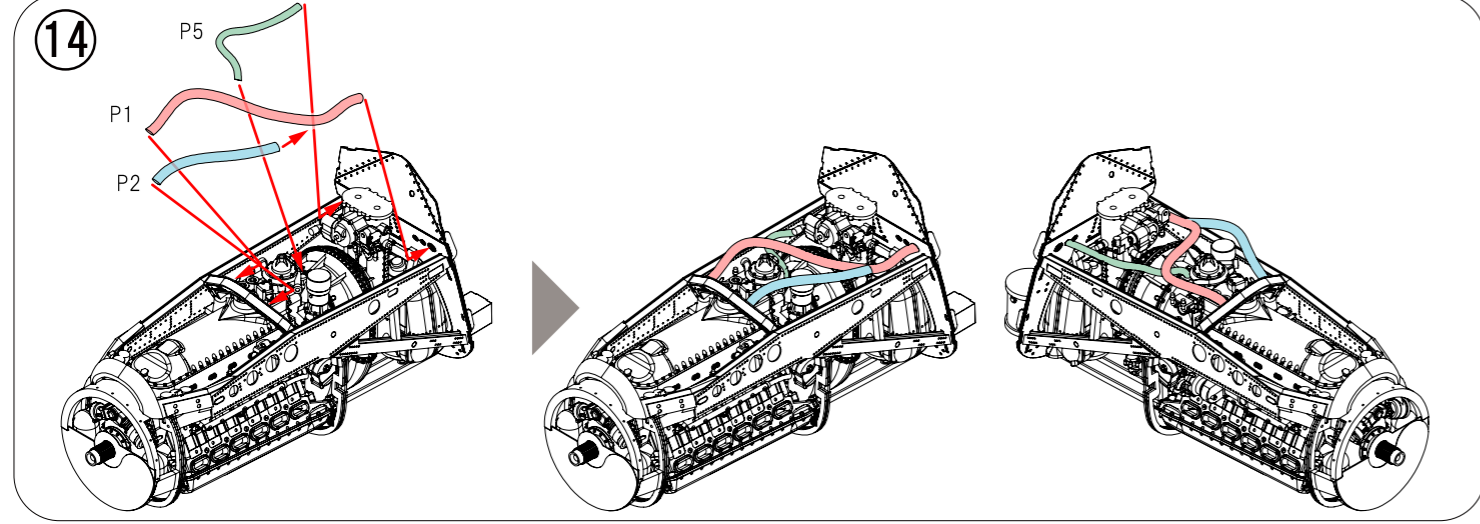


**13**

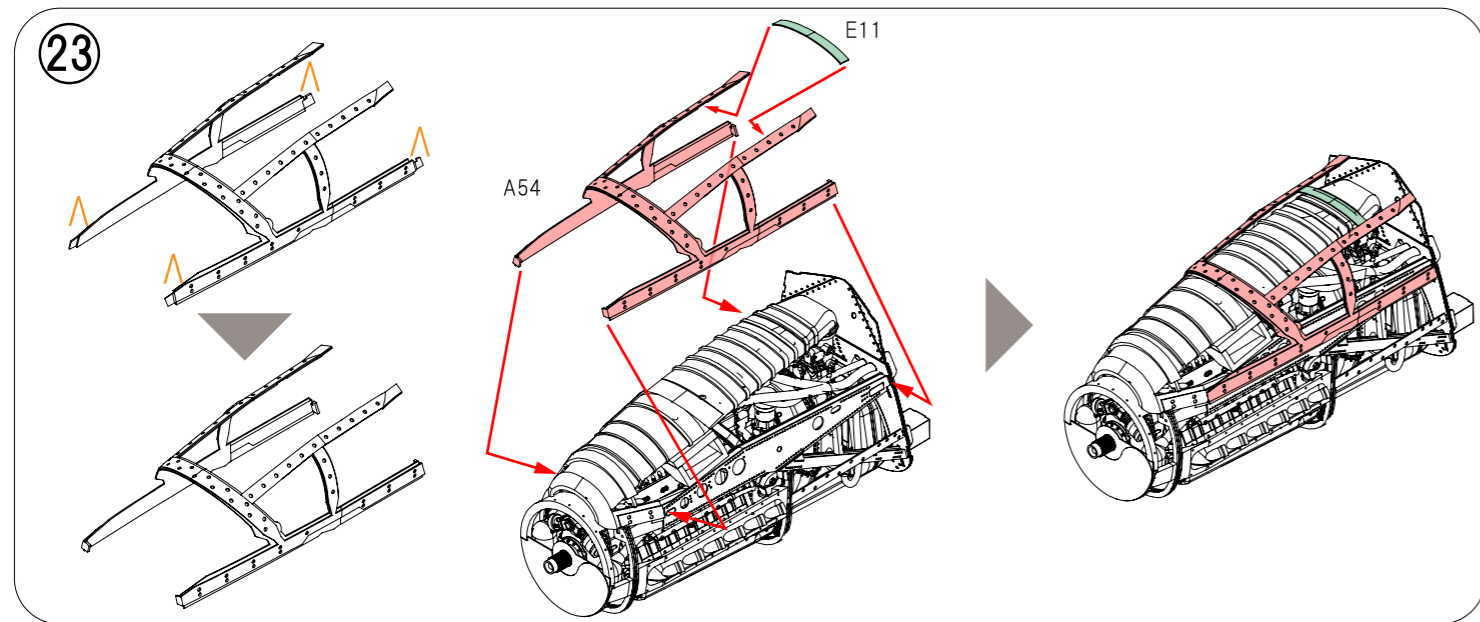
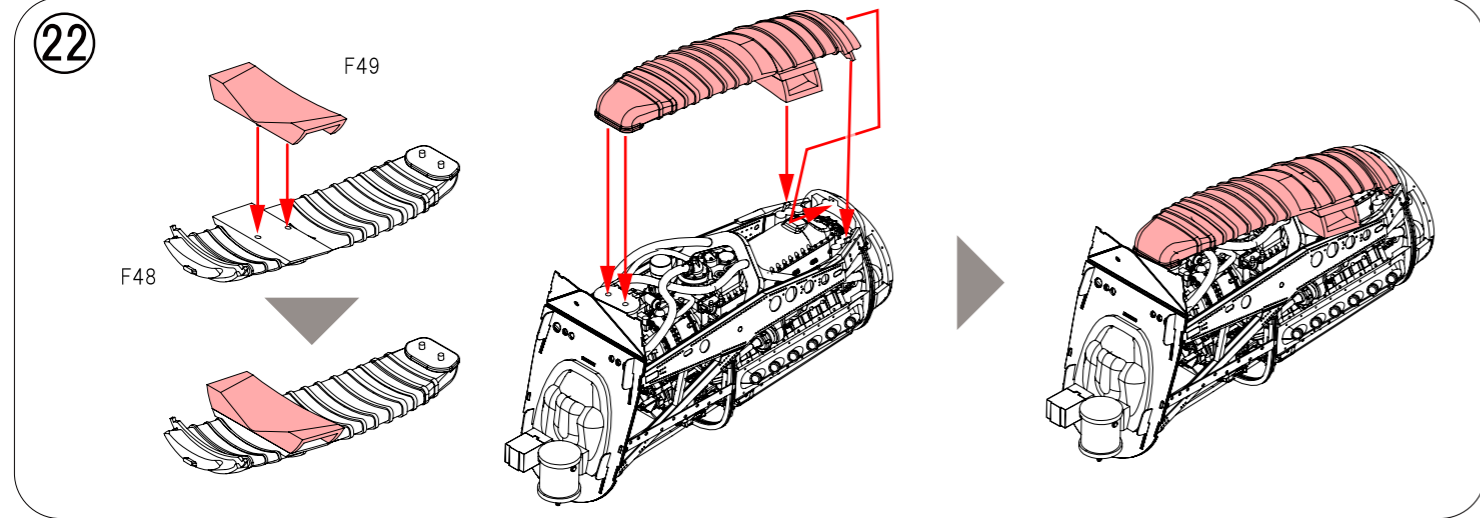
ハンダ線/Solder wire

P1	φ 1.6mm × 45mm		P6	φ 1.2mm × 34.5mm	
P2	φ 1.6mm × 25.5mm		P7	φ 1.2mm × 35mm	
P3	φ 1.6mm × 29.5mm		P8	φ 1.2mm × 30mm	
P4	φ 1.6mm × 29mm		P9	φ 1.0mm × 15.5mm	
P5	φ 1.6mm × 29.5mm				

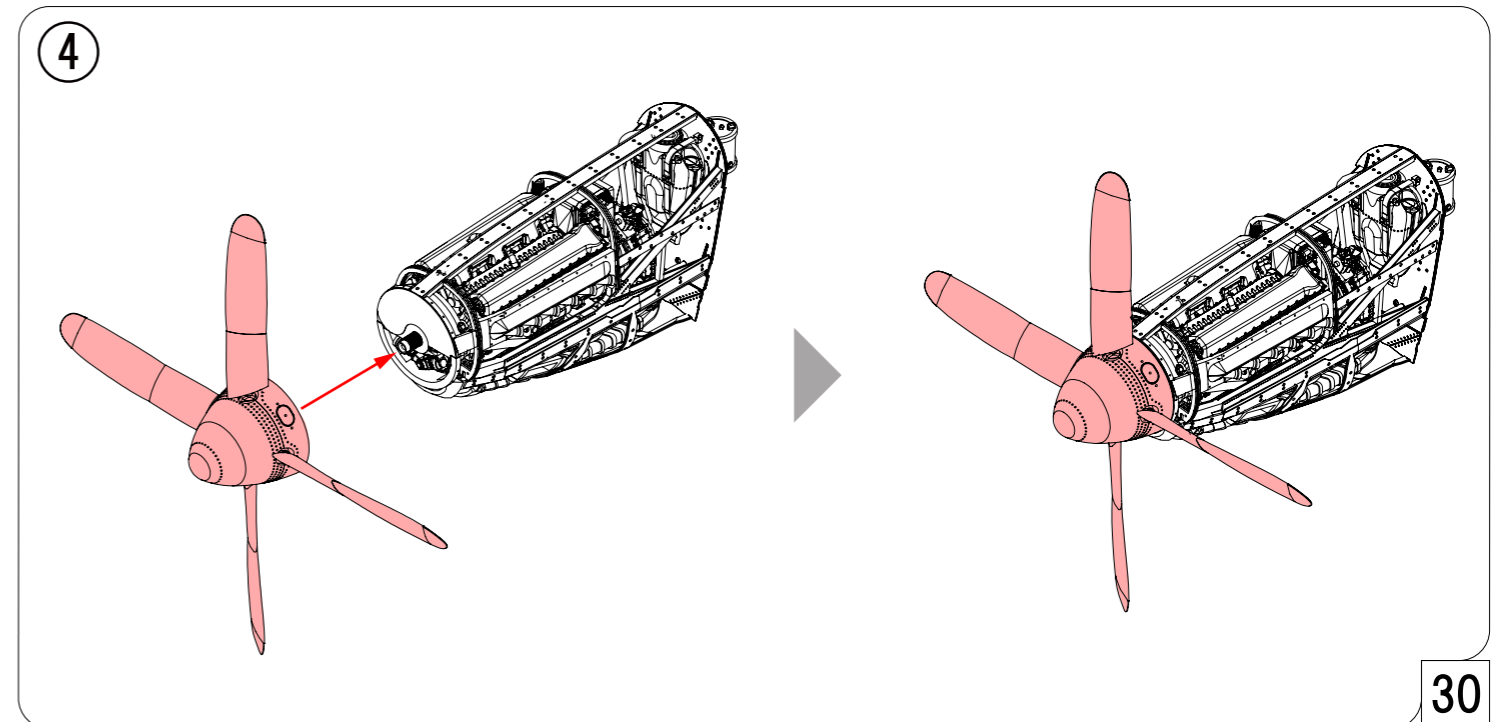
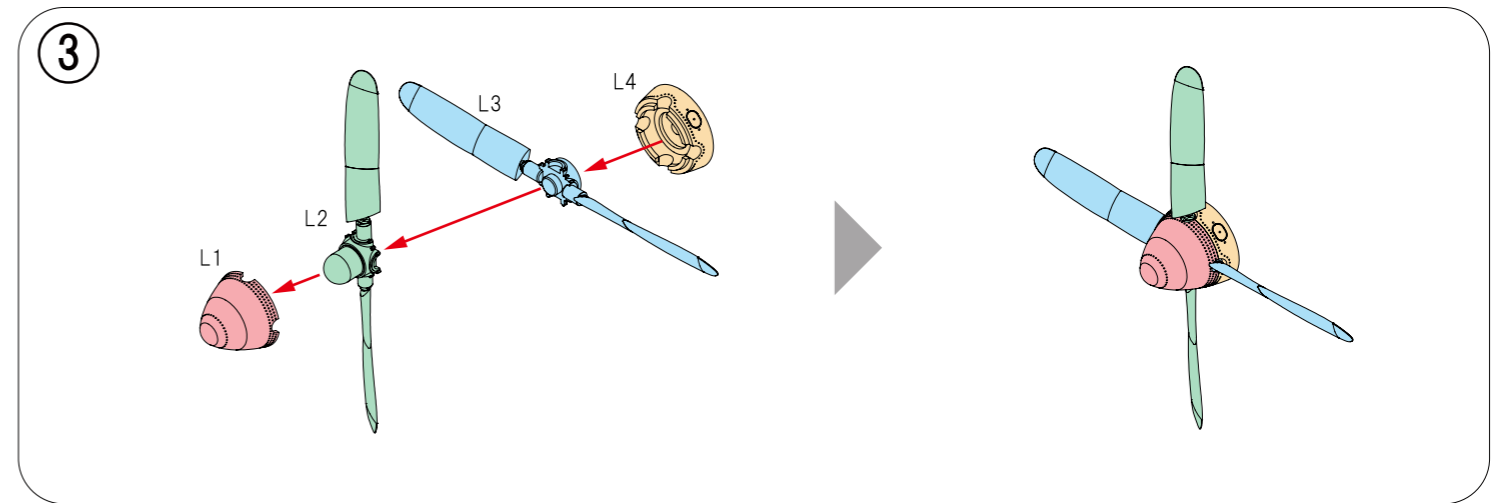
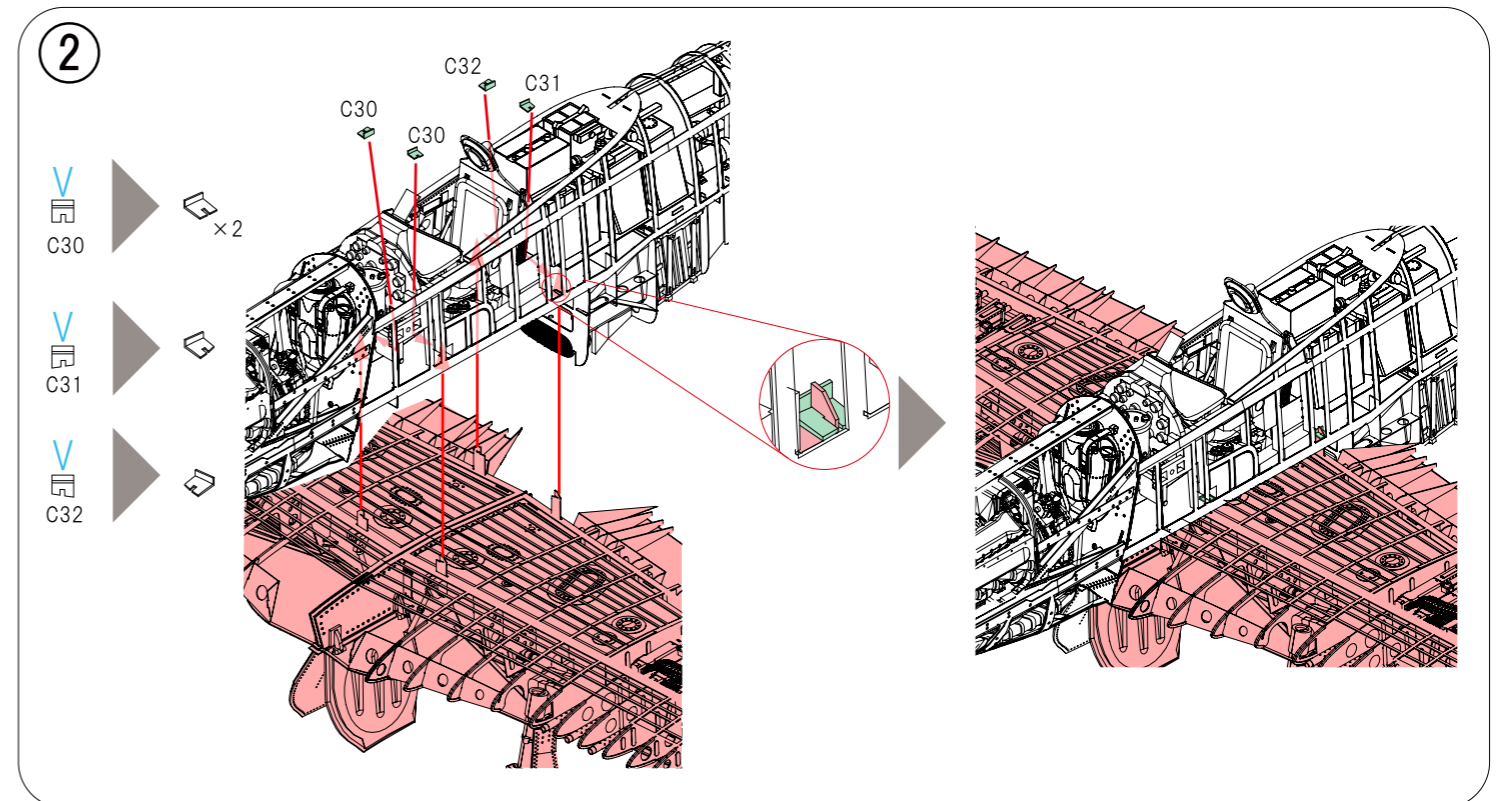
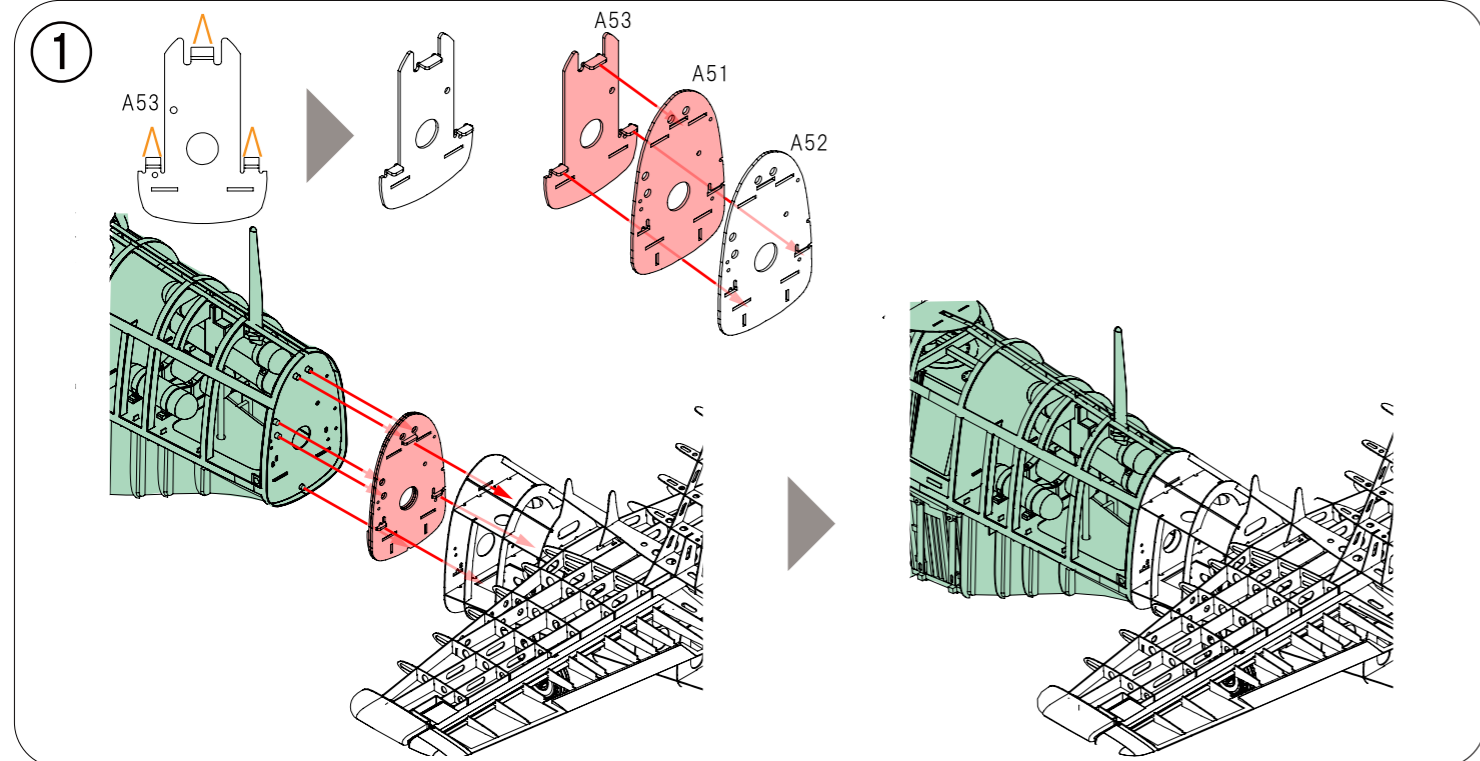
# desktopMUSTANG



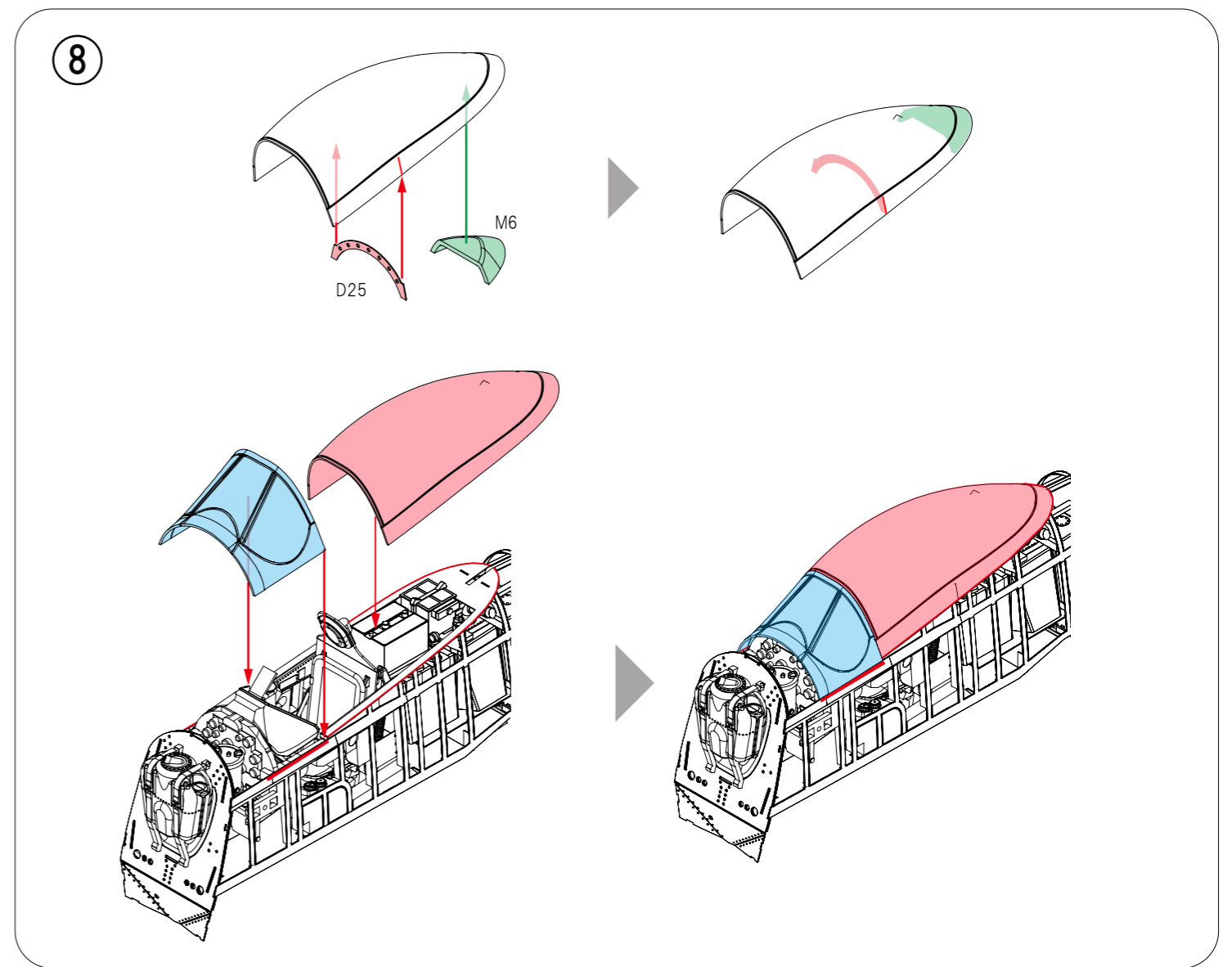
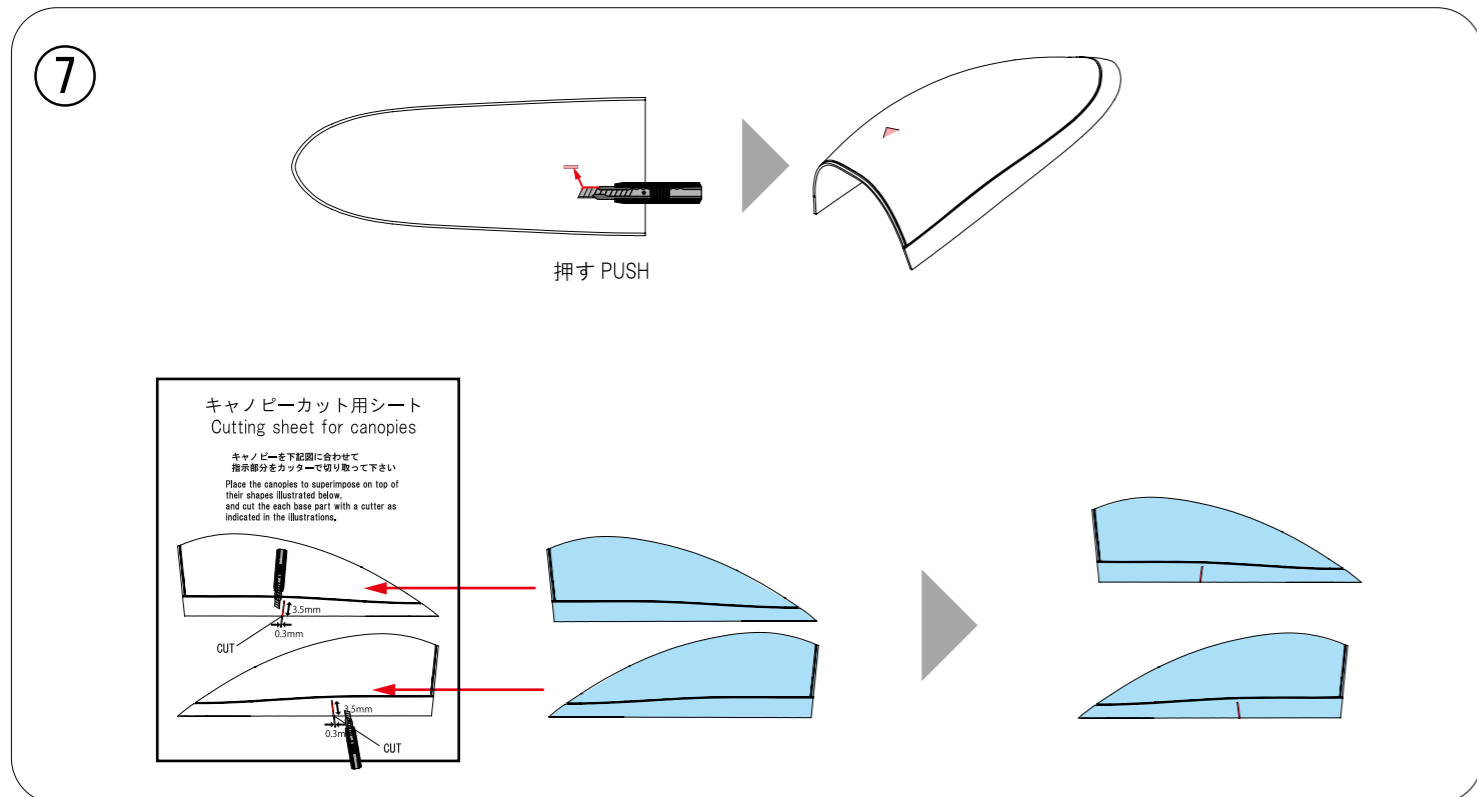
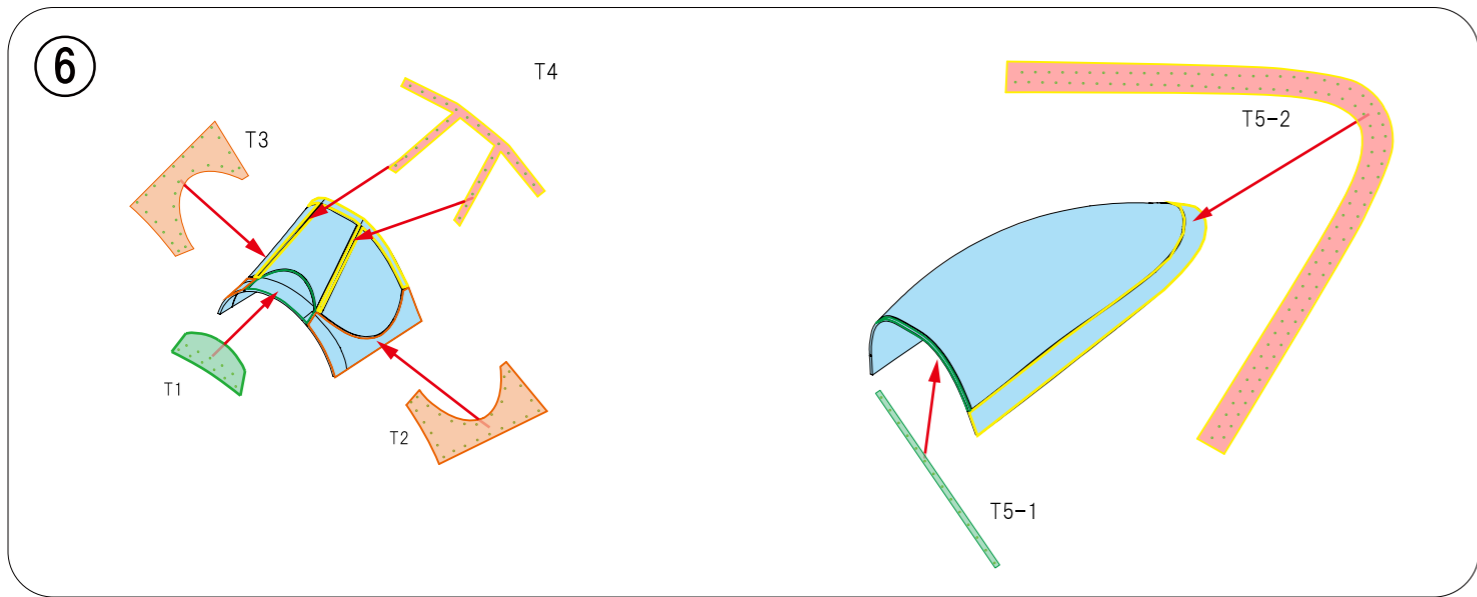
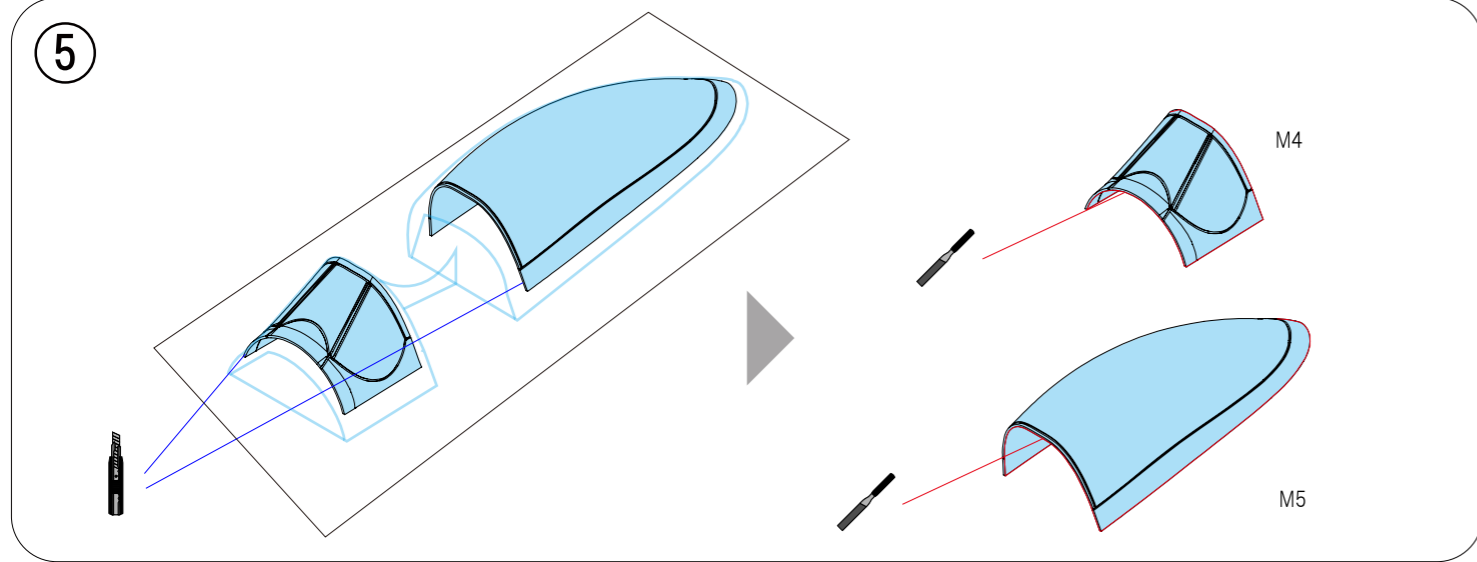
# desktopMUSTANG



## 全体組み付け / Assemble parts



# desktopMUSTANG



# 主翼組立て上の注意点

## Important notes for assembling the main wings

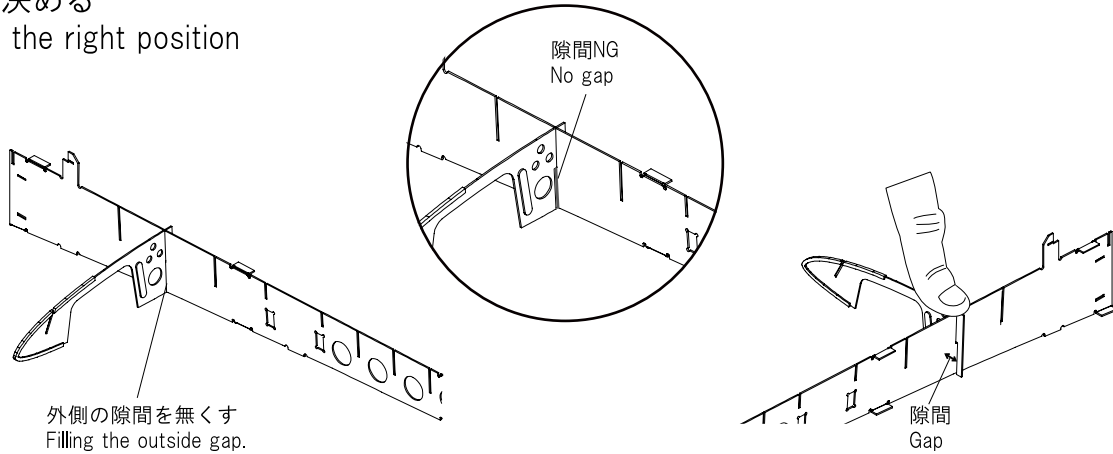
組立説明書 主翼①～④の組立について、D1・D2・E1・E2に組み付けるパーツは製法上、下記部分の隙間が広がっています。 組みつけには若干のコツが必要です。

Instructions for assembly: For assembly of the main wings in ① to ④, the parts to be fixed for D1・D2・E1・E2 have the wider gap at the point showed in the following illustrations due to yield in manufacturing. A knack for assembly may be necessary.

下記図示を参考に組立を行って下さい。

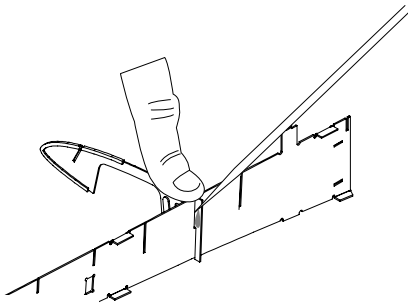
Please refer to the following illustrations and instructions.

### ① 位置を決める Setting the right position



### ② 仮接着を行う Temporary adhering

竹串（先端の尖った道具）  
Bamboo skewer (Tool with a pointed end)



上から、指で押さえつけながら内側部分の接合部に  
竹串（先端の尖った道具）で接着剤を少量流し込み接着する

★瞬間接着剤用硬化剤を使用すると効果的です。

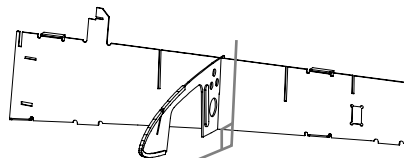
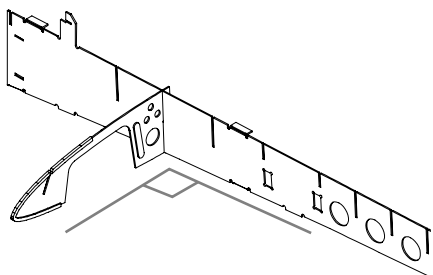
While holding the parts of interface with your finger, fix the parts putting a little glue onto the interface with a bamboo skewer (a tool with a pointed end)

★Using the hardener for instant glue is effective.

### ③ 本接着を行う Permanent adhering

パーツの角度を確認し、位置が決まった段階で本接着を行う。

Check the angle of the parts, and adhere the parts firmly after the position is fixed.



本接着  
Permanent adhering

