



## Avro Lancaster B.Mk.III "Dambusters"

アプロ ランカスター B.MK.III w/Full Interior

● READY TO ASSEMBLE PRECISION MODEL KIT ● MODELING SKILLS HELPFUL IF UNDER 14 YEARS OF AGE ● MODEL MAY VARY FROM IMAGE ON BOX ● CEMENT AND PAINT NOT INCLUDED.



- FN.20 REAR TURRET.
- REALISTIC SURFACE DETAIL.
- DETAILED COCKPIT INTERIOR.
- PACKARD MERLIN 28 ENGINE.
- BRAND NEW DAMBUSTERS PARTS & CLEAR PARTS INCLUDED.

## History | 历史介绍

In January 1943, American and British leaders decided at the Casablanca Conference to launch a series of strategic air campaigns aimed at destroying the military, economic and industrial power of Nazi Germany and sapping the Germans' will to fight, and on March 5, 1943, the RAF spearheaded the famous Battle of the Ruhr. In this unprecedented air campaign, the RAF blacklisted the industrial cities of Ruhr, Duisburg, Essen, Cologne, Düsseldorf and Dortmund. The British knew that there were three large reservoirs near the Ruhr that supplied the Ruhr industrial area with electricity and water. By blowing up the dams of the reservoirs, Germany's vital arms production, coal, oil and synthetic oil industries would be paralyzed. In fact, the British had set up a Reservoir Attack Committee in 1941 to study the problem of dam destruction. But it was not easy to completely destroy these targets. If bombing at high altitude, at least 10 tons of super bombs are needed to achieve the desired goal, but at that time there is no one bomber can meet this condition. If aerial torpedoes were used, they would be intercepted by the multi-layered mine protection network under the water.

In February 1942, Dr. Barnes Wallis, the famous British aircraft designer, developed a "gift" to the Third Reich - a jump bomb weighing 8,325 kg. The 1.6-meter-high, 1.2-meter-diameter barrel-shaped weapon would be dropped from a low altitude of 18 meters, then rotate at 500 revolutions per minute while jumping forward over the water to avoid the dreaded mine fence, as envisioned by Wallis. When the bombs touched the dam, they quickly rolled along the dam wall and exploded into the 9-meter-deep water, blowing the dam apart. Soon after, the RAF developed an operational plan to bomb the dam, code-named "Punishment". The unit flying the attack was the 617th Bomb Squadron. This was a newly formed special flight unit, commanded by 24-year-old Air Force Lieutenant Colonel Guy Gibson.

At 2139 hours on the night of May 16, 1943, Scampton Air Force Base. With the roar of the liquid-cooled piston "Merlin" engines, 19 specially modified Lancaster heavy bombers left the runway in three batches, breathing heavily, and faded into the deep, dark night sky. Their target was the three large dams at Moller, Thorpe and Eder in Ruhr, Germany. The Lancaster was one of the largest bombers of World War II, with an elliptical twin tail and a retractable rear three-point landing gear, with a bomb bay in the lower fuselage, common on heavy bombers of the time. The Lancaster's large bomb bay could carry a variety of aerial bombs, and in addition to the 112 kg conventional bombs, it could also hang 2,358 kg, 5,443 kg and even 9,979 kg of various heavy bombs in a semi-naked position. At this time, 19 intimidating jump bombs were nestled tightly under the belly of these Lancasters. The group swept across the North Sea, entered the Dutch coast, and then flew at ultra-low altitude to the Ruhr. At midnight, the first wave of nine Lancaster bombers entered the target area. In the bright moonlight, the Moller dam was clearly visible. Unfortunately, the AJ-B, piloted by Air Captain Astaire, was wounded by German anti-aircraft fire and crashed near Doston. Lt. Col. Guy Gibson led seven other Lancasters to the target, Moller Dam, flying at an altitude of 18 meters under heavy anti-aircraft fire.

These "Lancaster" heavy bombers were equipped with two spotlights in the belly of the aircraft, the beam of light was concentrated at a point 18 meters below the fuselage, and the height of the bombs could be determined at night by observing the convergence of the light points. For various reasons, the five bombs dropped by the British either exploded prematurely or missed the target. At this point, the AJ-J, which had been loitering nearby, saw the right moment and dropped a deadly bomb. The 8,325-kilogram "barrel" quickly spun and slammed into the water, leaping over a mine protection net and finding its home amidst the shrieks of the Germans. With a loud "boom", the immovable Moller dam was blown apart. 130 million cubic meters of water came out of the reservoir, and the surrounding area was instantly flooded. A second and third wave of bombers then entered and began bombing two other targets. Soon, the Ede Dam, hidden in a deep valley, was also hit by a gaping hole. Within minutes, the town of Kassel and the military airfield were submerged in the incoming flood. The Thorpe Dam also received a bomb, but was spared because the bomb's combat section failed. It was a successful bombing campaign that crippled hundreds of factories in the Ruhr industrial zone, destroyed 25 bridges of all types, dealt a huge blow to German military production, and hastened Germany's defeat.

1943年1月,美英领导人在卡萨布兰卡会议上决定发起一系列旨在摧毁纳粹德国军事、经济和工业力量,消磨德国人战斗意志的战略性空中战役。1943年3月5日,英国皇家空军率先发起了著名的鲁尔战役。在这场亘古未有的空中打击中,皇家空军把鲁尔、杜伊斯堡、埃森、科隆、杜塞尔多夫和多特蒙德等工业城市都列入了黑名单。英国人知道,在鲁尔附近有3个大型水库,为鲁尔工业区供应电力和用水。只要炸毁水库的堤坝,对德国至关重要的军火生产、煤矿、石油和人造石油工业都将陷入瘫痪。其实,英国早在1941年就成立了水库攻击委员会,专门研究炸毁大坝的问题。但要彻底摧毁这些目标并非易事。如果在高空投掷炸弹,至少需要10吨重的超级炸弹才能实现预期目标,可当时没有一种轰炸机能满足这个条件。若使用航空鱼雷进行攻击,必然遭到水面下多层防雷网的拦截。

1942年2月,英国著名飞机设计师巴恩斯·沃利斯博士研制出送给第三帝国的“礼物”——重达8325公斤的跳跃式炸弹。按照沃利斯的设想,这种高1.6米,直径1.2米的圆桶状武器将从18米的低空投下,然后以每分钟500转的速度旋转,同时在水面跳跃前进,躲过可恶的防雷网。当炸弹触到坝体后,便迅速沿坝壁滚入9米深的水中爆炸,将大坝拦腰炸开。不久,皇家空军制定了轰炸水坝的作战计划,行动代号为“惩罚”。执行这次攻击任务的飞行单位是第617轰炸机中队。这是一支新组建的特种飞行部队,指挥官为年仅24岁的盖伊·吉布森空军中校。

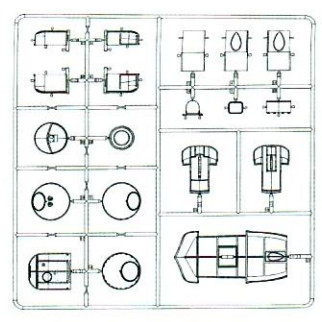
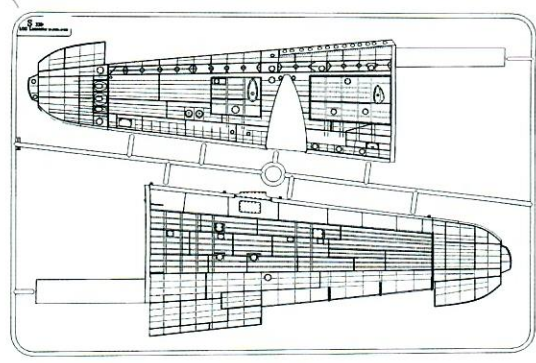
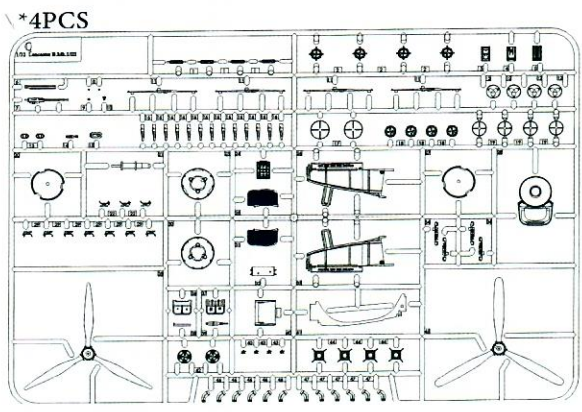
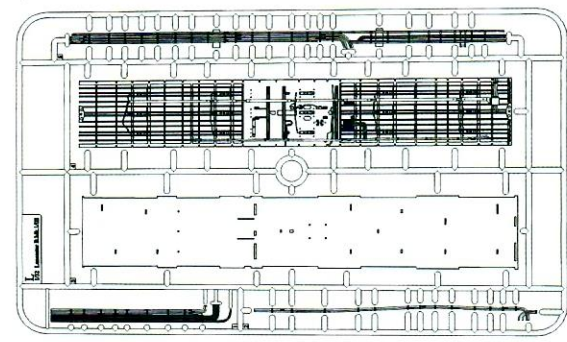
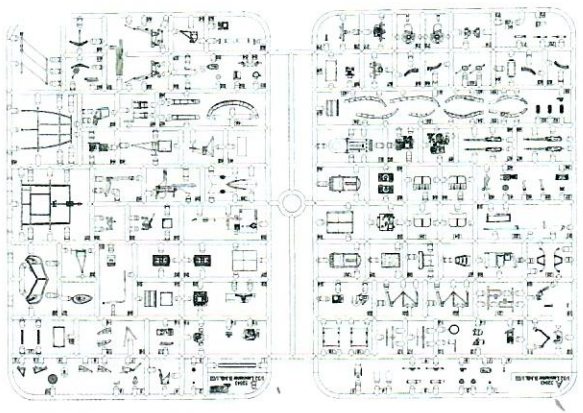
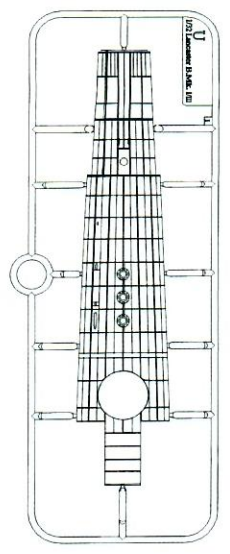
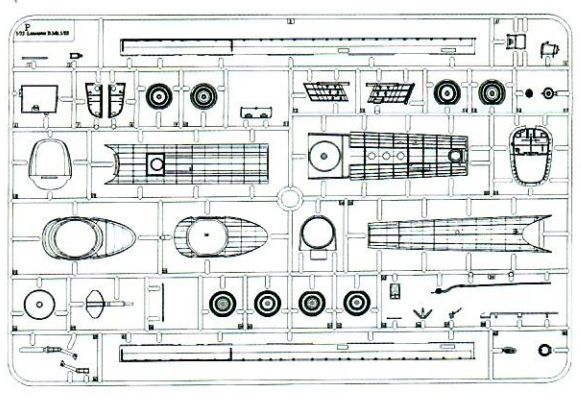
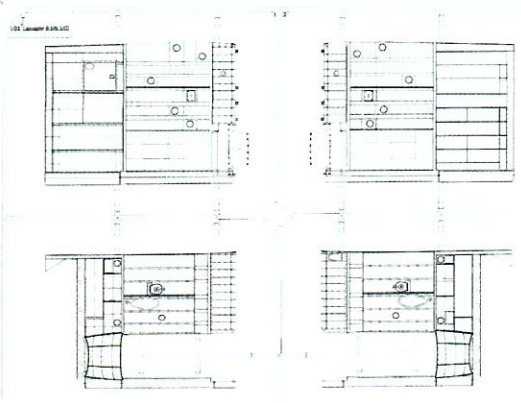
1943年5月16日晚21时39分,斯塔普顿空军基地,随着液冷活塞式“梅林”发动机的阵阵怒吼,19架经过特殊改装的兰开斯特重型轰炸机分为3个批次,喘着粗气相继离开跑道,消逝在深黑色的茫茫夜空中。它们的目标是远在德国鲁尔的莫勒、索普、埃德尔3个大型水坝。兰开斯特是二战中载弹量最大的轰炸机之一,采用了当时重型轰炸机上常见的椭圆形双垂尾和可收放后三点起落架,机身下部为炸弹舱。“兰开斯特”硕大的炸弹舱内可悬挂各种航空炸弹,除挂载112公斤的常规炸弹外,还可半裸悬挂2358公斤、5443公斤甚至9979公斤的各种重磅炸弹。此时,19枚令人胆寒的跳跃式炸弹正紧紧地依偎在这些“兰开斯特”的机腹下方。机群掠过北海,进入荷兰海岸后即可超低空飞行,扑向了鲁尔地区。子夜时分,实施第一波攻击的9架“兰开斯特”轰炸机进入目标区域。在皎洁的月光下,莫勒水坝清晰可见。不幸的是,由阿斯顿空军上尉驾驶的AJ-B号机被德军高炮击伤,坠毁在多斯敦附近。盖伊·吉布森中校则率领另外7架“兰开斯特”,冒着猛烈的防空炮火以18米的飞行高度冲向了目标——莫勒水坝。

这些“兰开斯特”重型轰炸机的机腹均装有两个聚光灯,光束在机身下18米处聚为一点,只要观察光点聚合情况就能在夜间确定炸弹高度。由于种种原因,英国人投下的5枚炸弹不是提前爆炸,就是没炸中要害。这时,一直在附近徘徊的AJ-J号机瞅准时机,投下了一颗致命的炸弹。这个8325公斤重的“大圆桶”快速旋转着砸向水面,跃过一道道防雷网,在德国人的惊叫声中找到了它的归宿。随着“轰”的一声巨响,当然不动的莫勒水坝被拦腰炸开,1.3亿立方米的库水狂泻而出,附近地区顷刻间一片汪洋。随后,第二波、第三波轰炸机群鱼贯而入,开始轰炸另外两个目标。不久,隐藏在深谷中的埃德大坝也难逃此劫,被炸出一个缺口。几分钟内,小镇卡塞尔和军用机场都淹没在汹涌而来的洪水中。索普大坝也挨了一颗炸弹,但因炸弹的战斗部失效而幸免于难。这是一次成功的轰炸行动,使鲁尔工业区内数以百计的工厂陷入瘫痪,摧毁了25座各类桥梁,给德国的军工生产造成极大打击,加速了德国的战败。

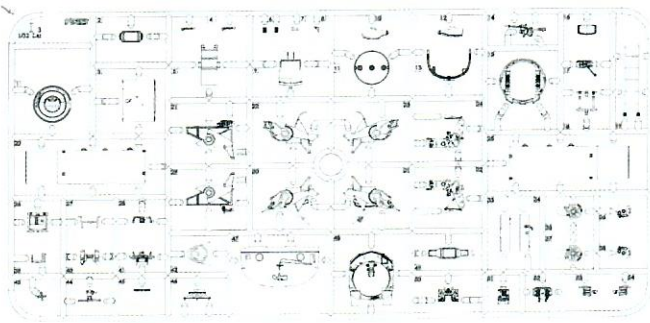


## Avro Lancaster B.Mk.III "Dambusters"

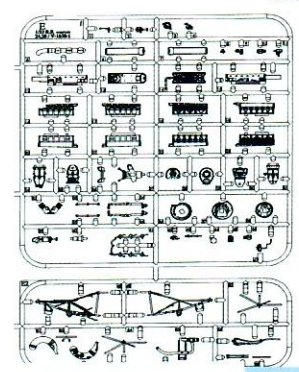
# 零件 Parts



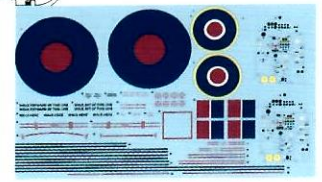
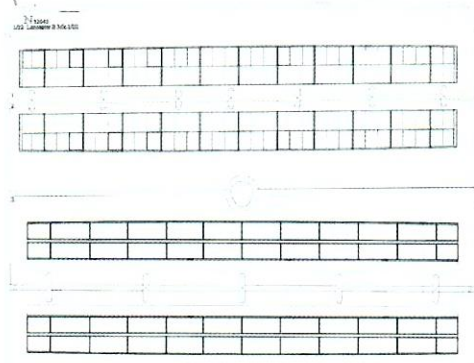
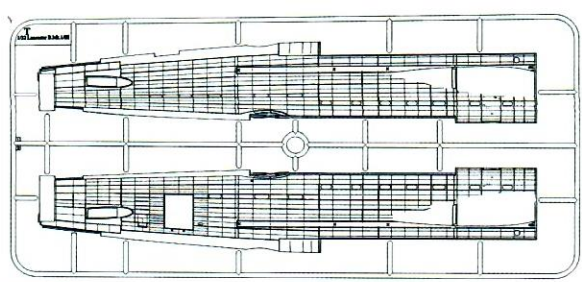
**NEW CLEAR PARTS C1-C2**



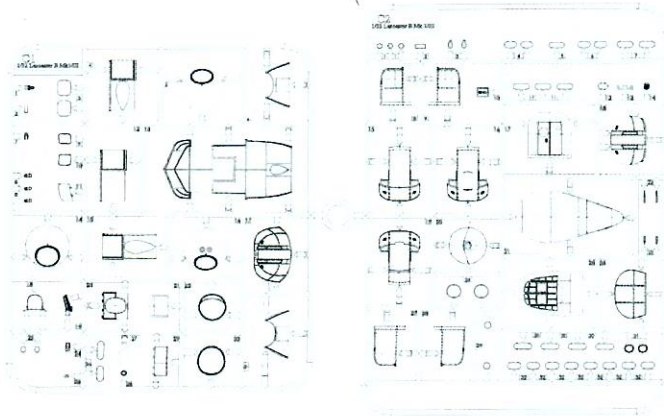
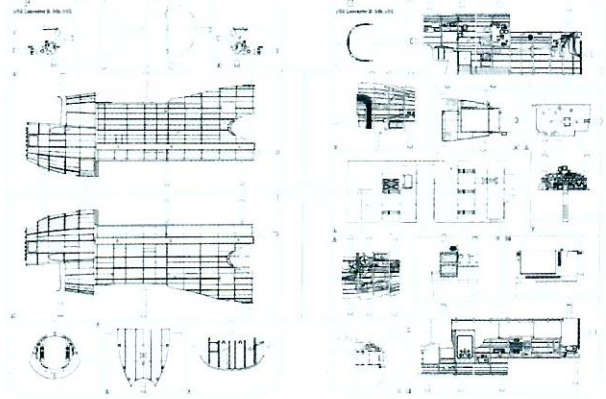
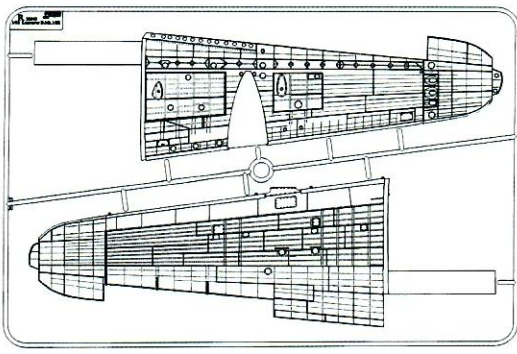
\*4PCS



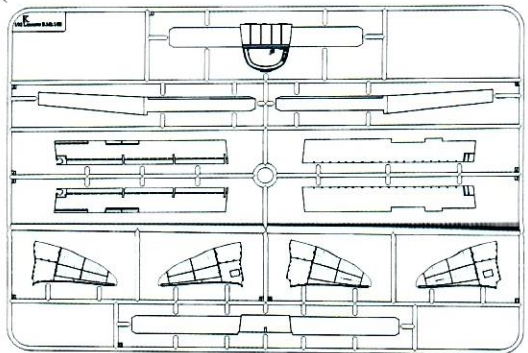
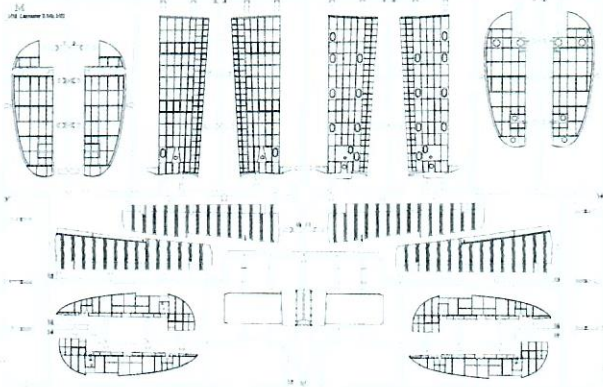
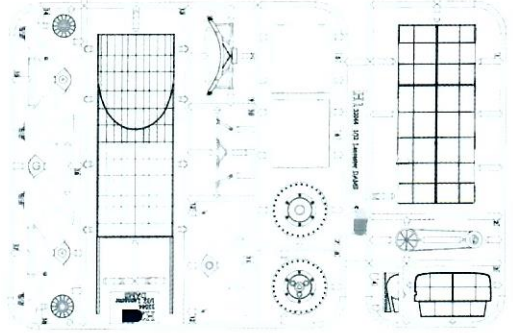
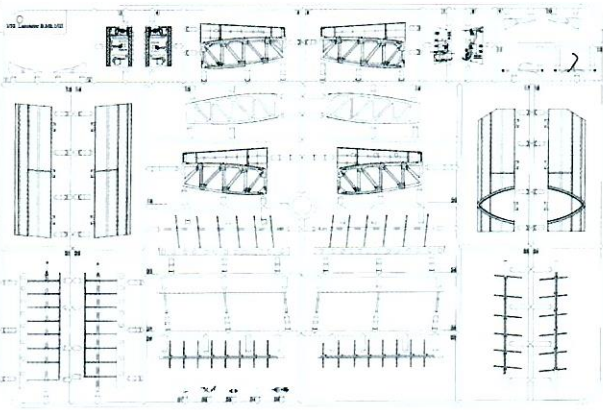
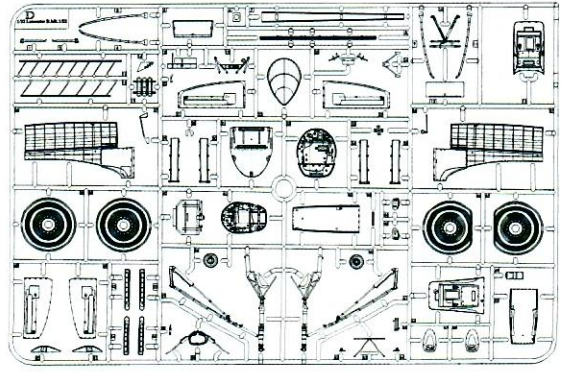
PE  
  
Decal



**AJQGN**  
**AJQGN**  
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E0932 E0916 E0912

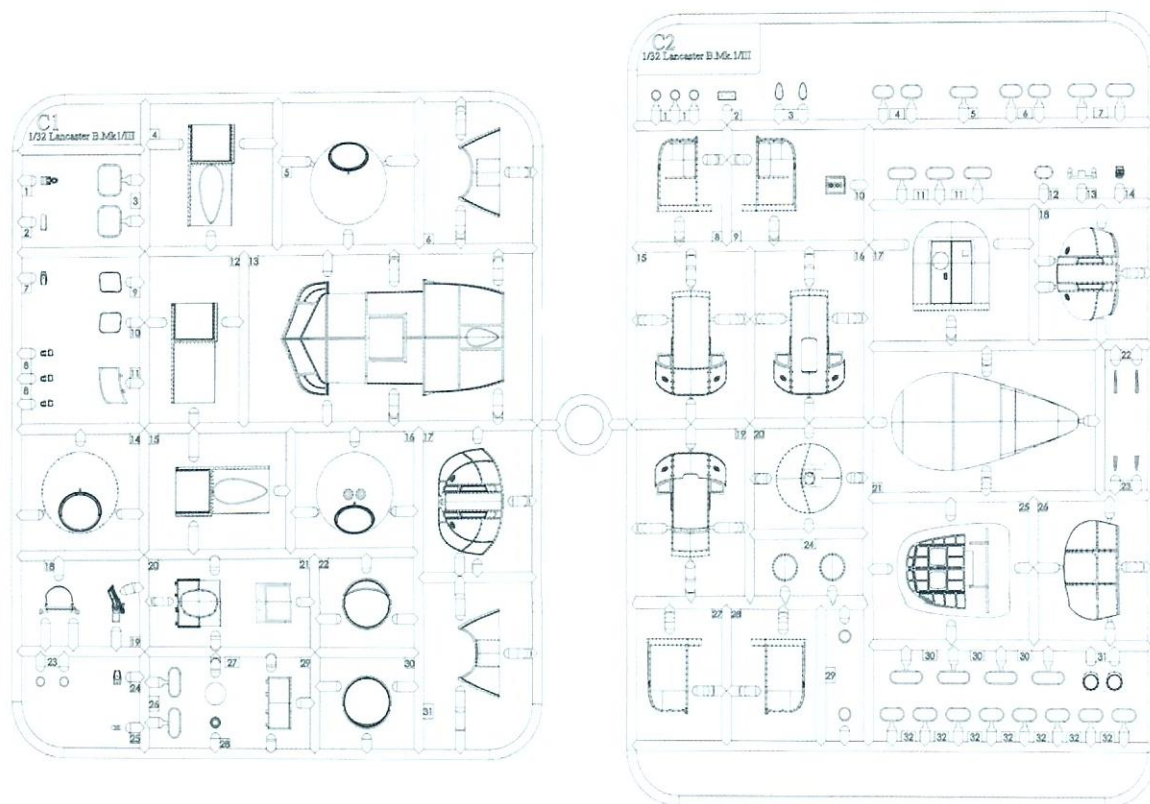
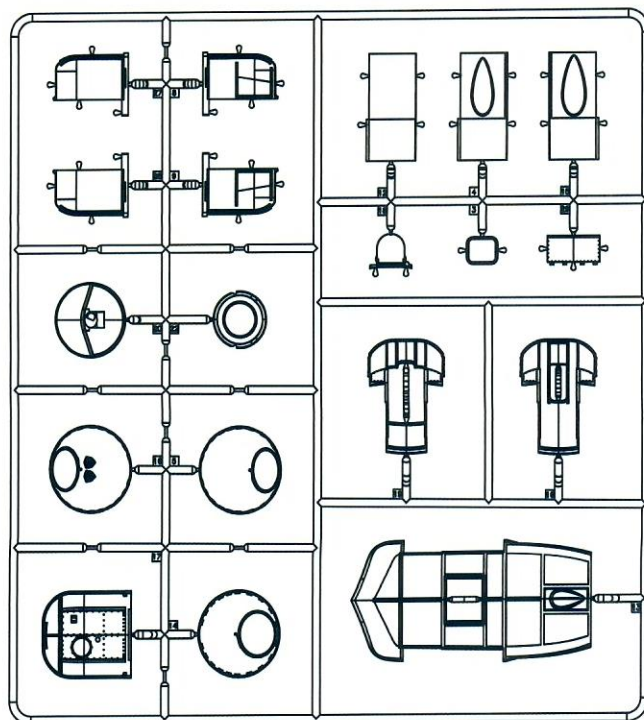


X2

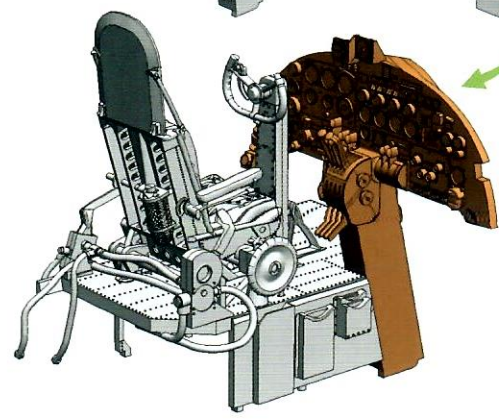
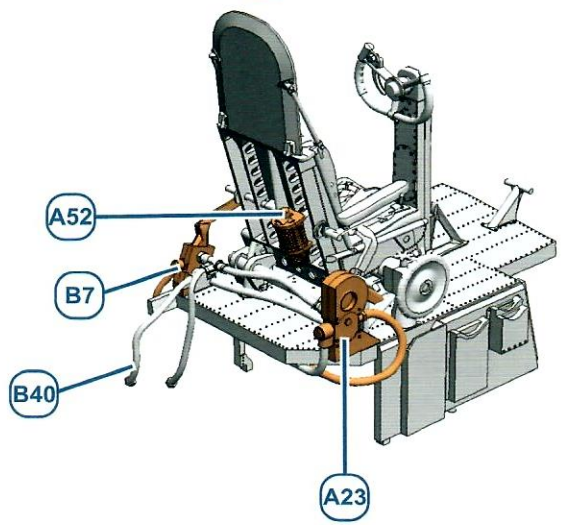
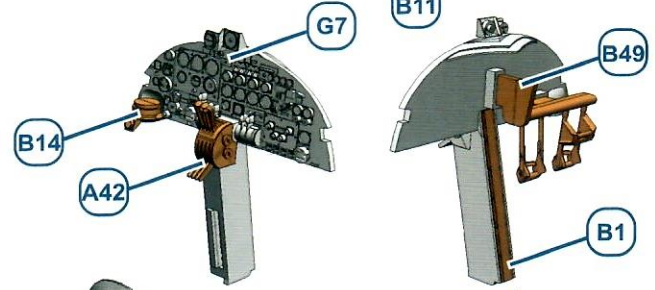
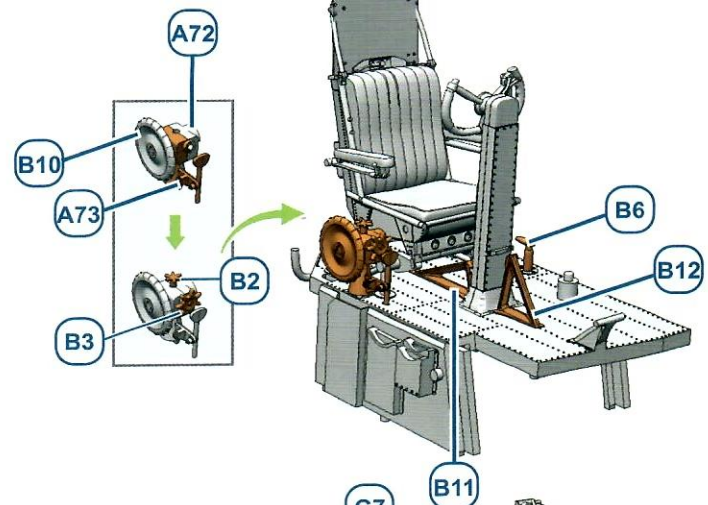
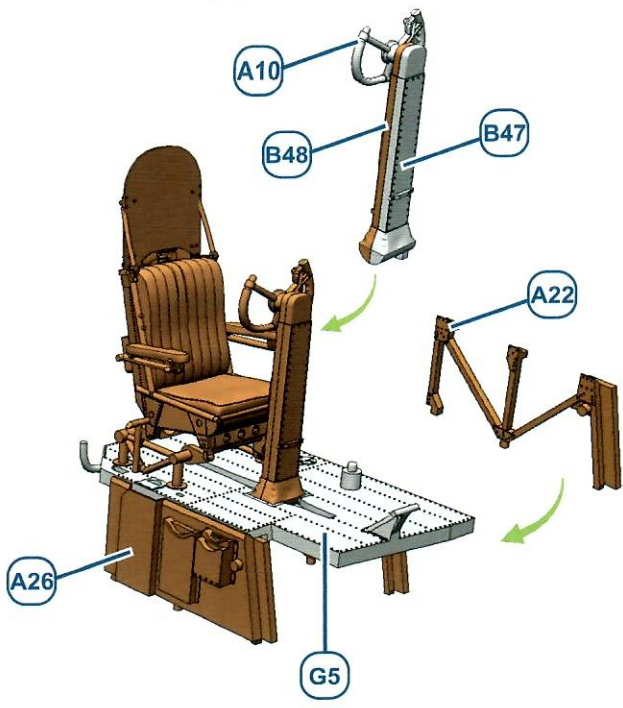
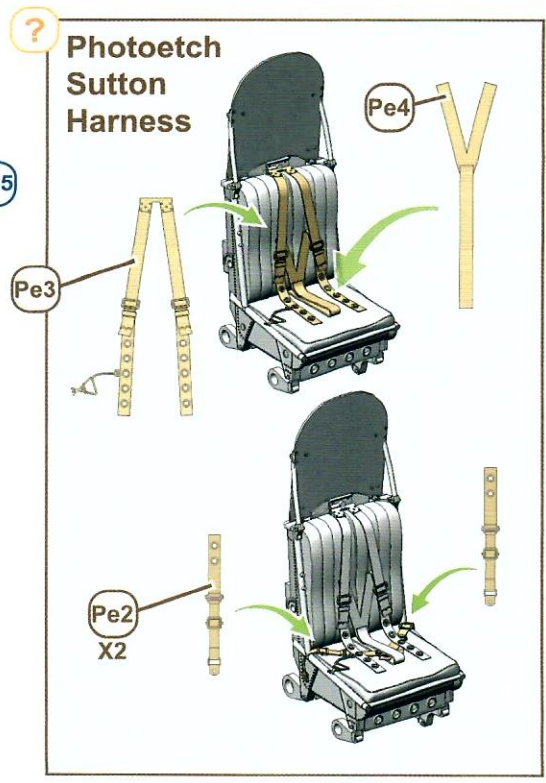
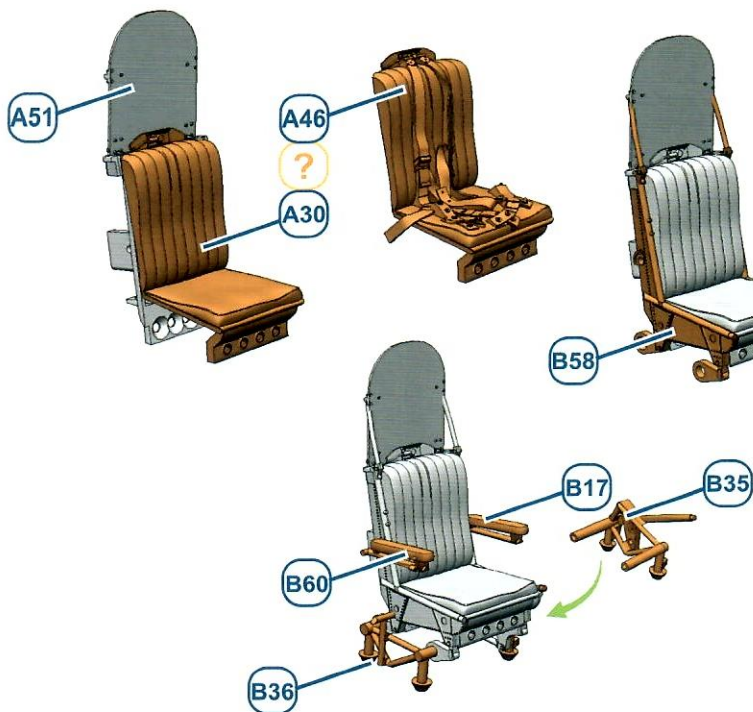


**Newly made transparent parts. Can replace old transparent parts.  
The new parts are flawless and very transparent.  
If one of the old and new parts is damaged,  
they can be replaced as supplementary parts.**

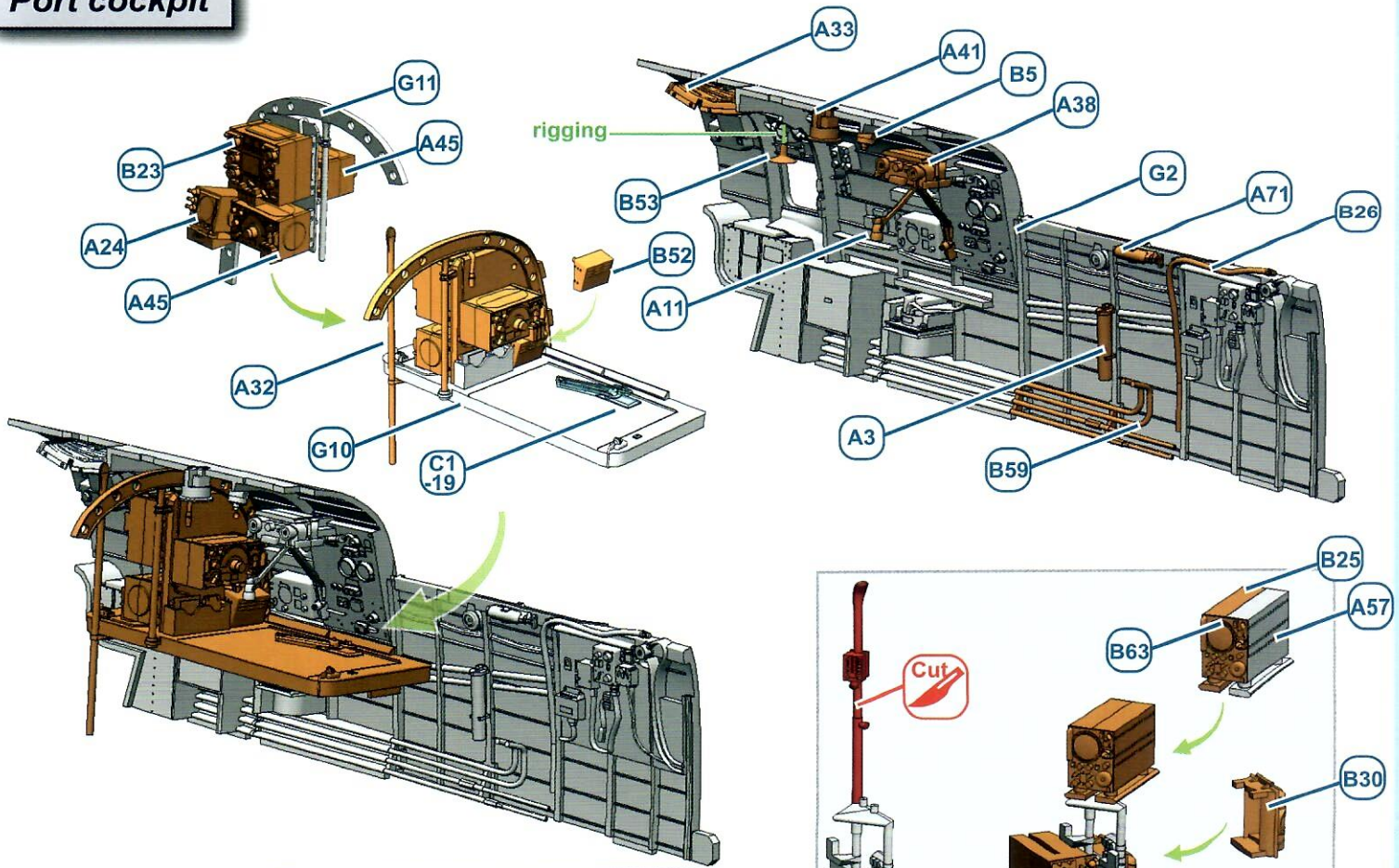
**NEW PART**



# Pilot's seat and dashboard



# Port cockpit

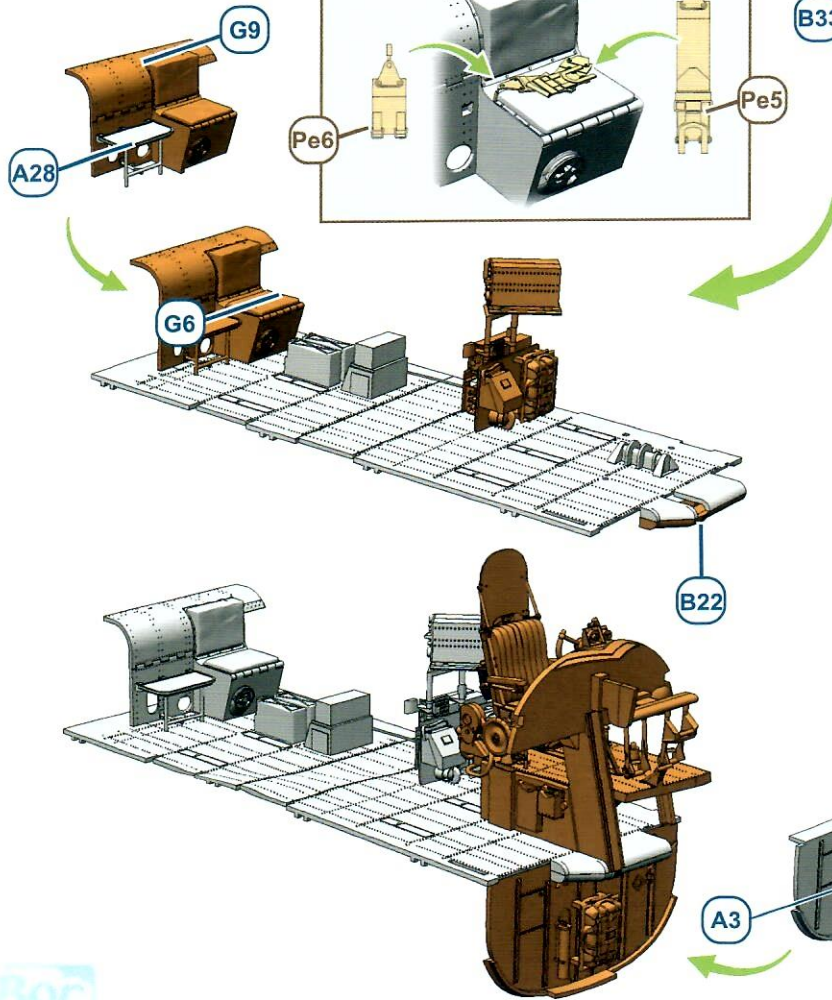


**Photoetch Harness**

This section illustrates the assembly of a photoetch harness. It shows a photoetcher machine with a harness being processed. Components are labeled Pe5 and Pe6. A yellow question mark is placed above the text.

This diagram shows the assembly of the GEE radio. A red arrow labeled "Cut" points to a specific part. Components are labeled B25, A57, B63, B30, B31, B33, and B44. The text "GEE" is located at the bottom right of the diagram.

This diagram shows the assembly of the H2S (with Radome) radio. A yellow question mark is placed above the diagram. Components are labeled B50, A50, B33, B30, B31, and B44. The text "H2S (with Radome)" is located at the bottom right of the diagram.



# Starboard cockpit

**? Photoetch Harness**

Pe6

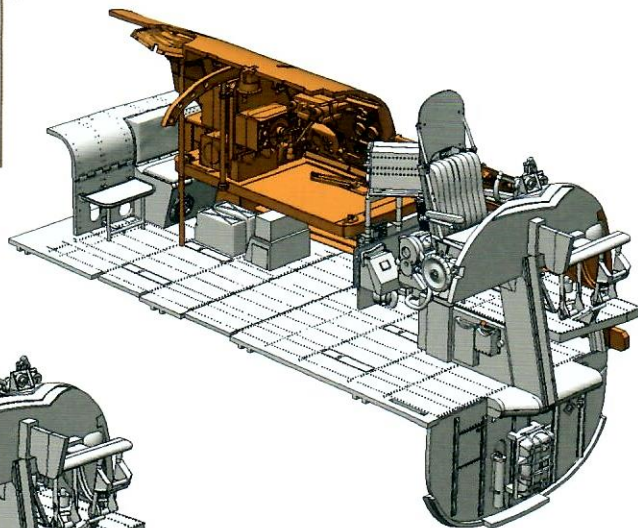
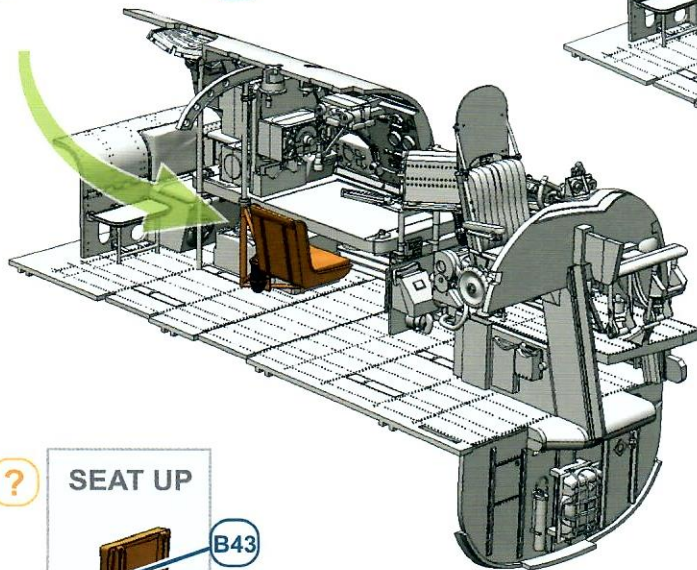
Pe5

A29

B42

A52

A29



SEAT DOWN

**? ?**

SEAT UP

B24

B32

B43

**? ?**

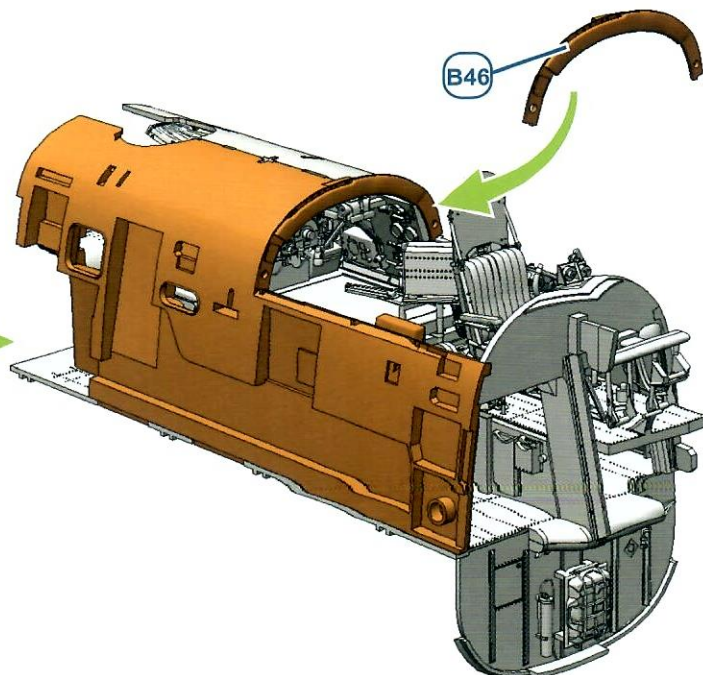
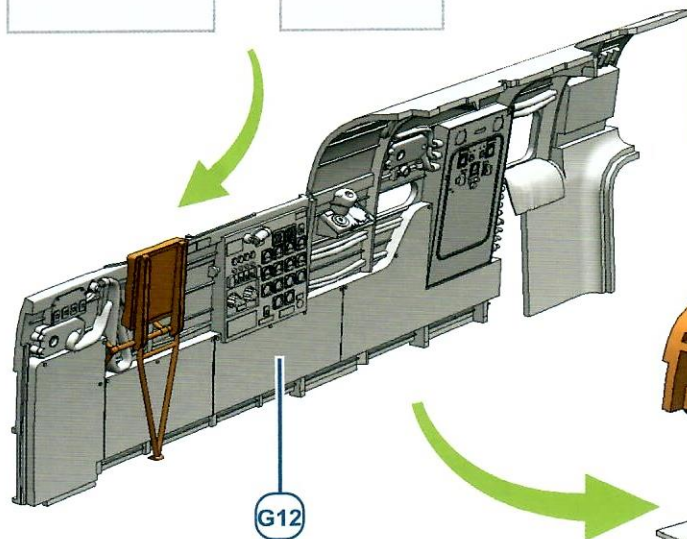
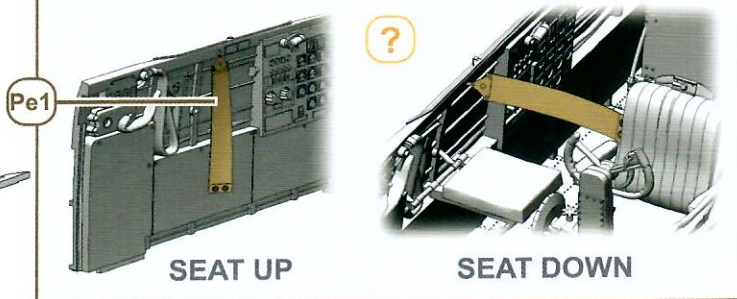
**Photoetch Backrest**

Pe1

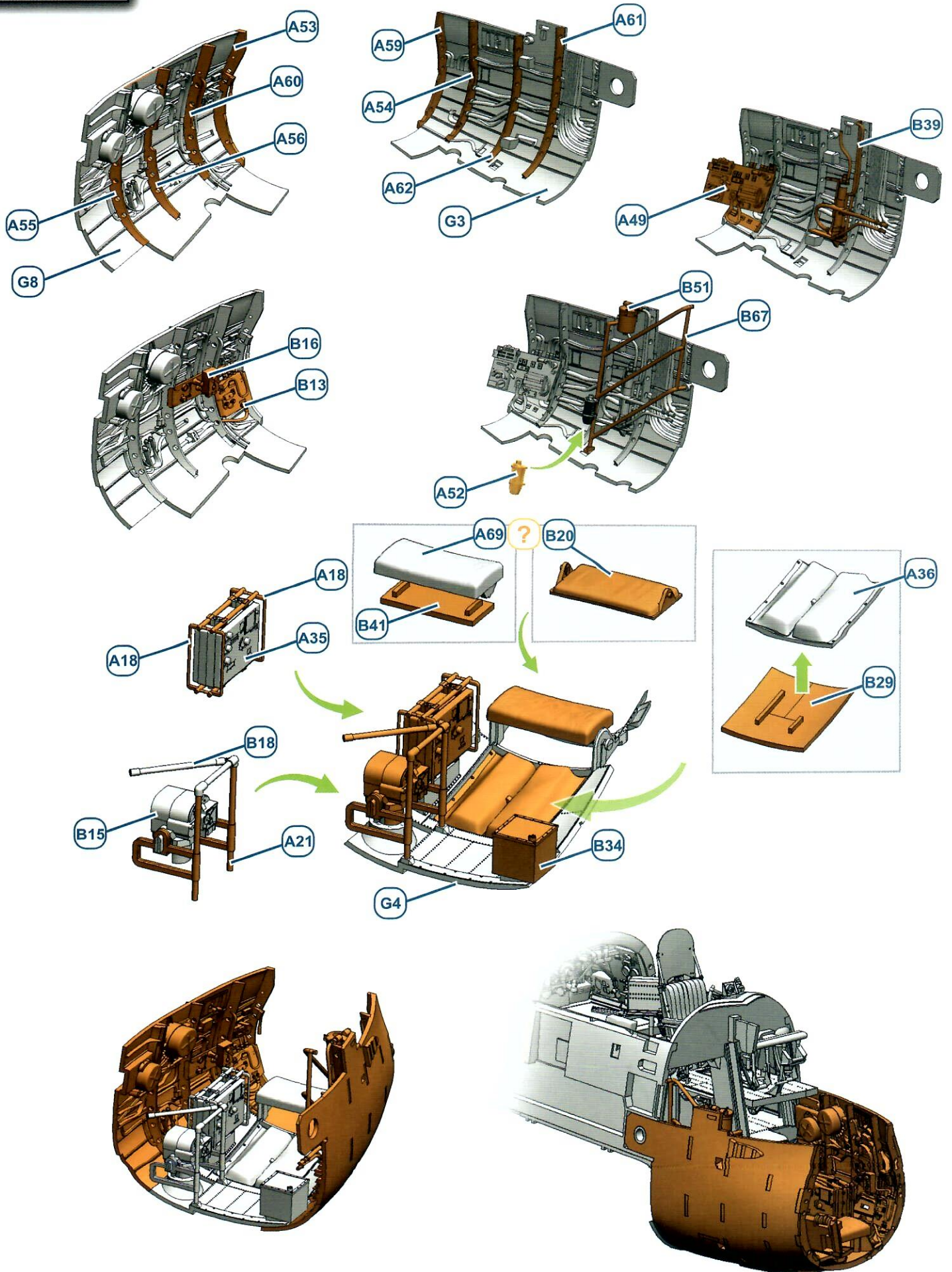
**? ?**

SEAT UP

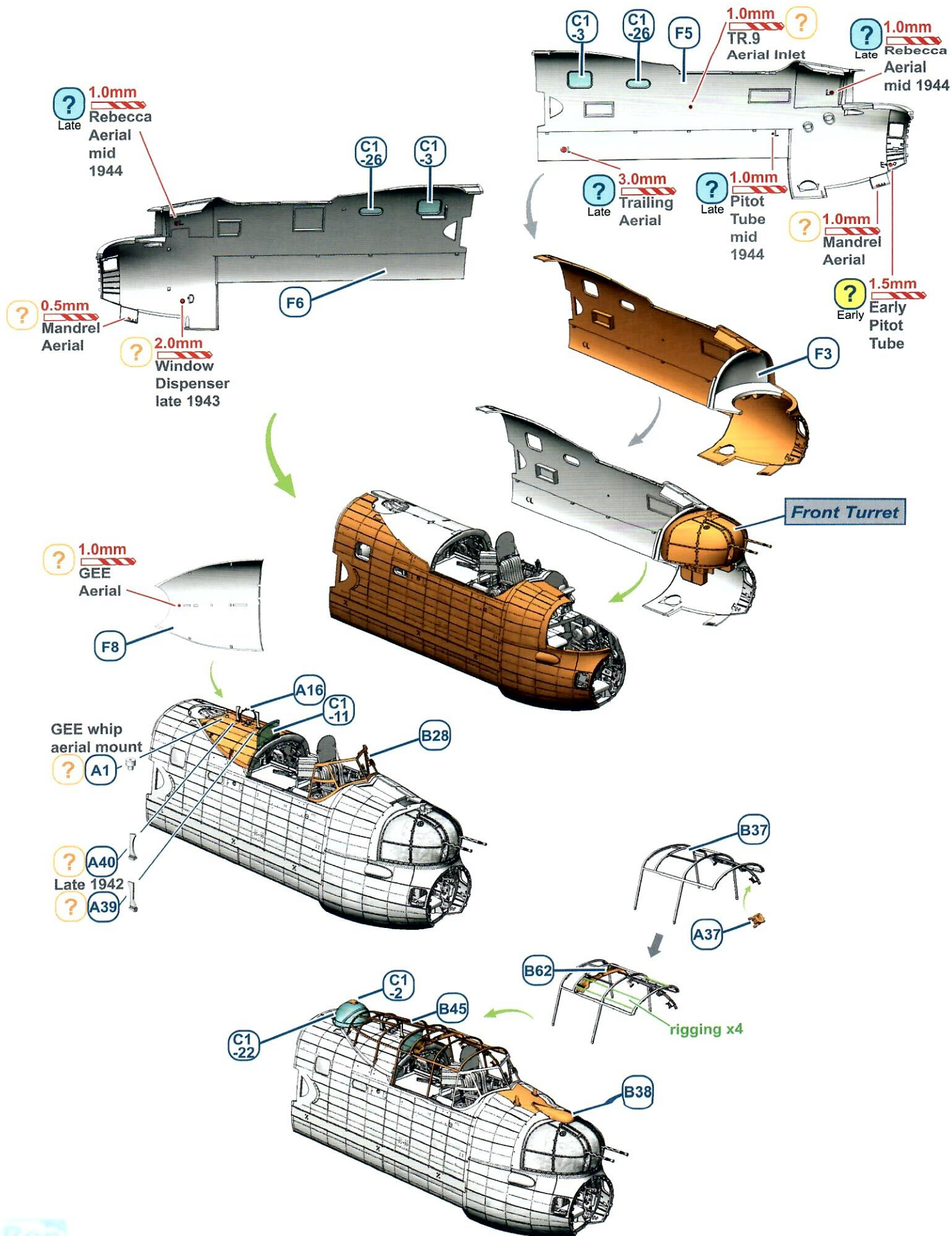
SEAT DOWN



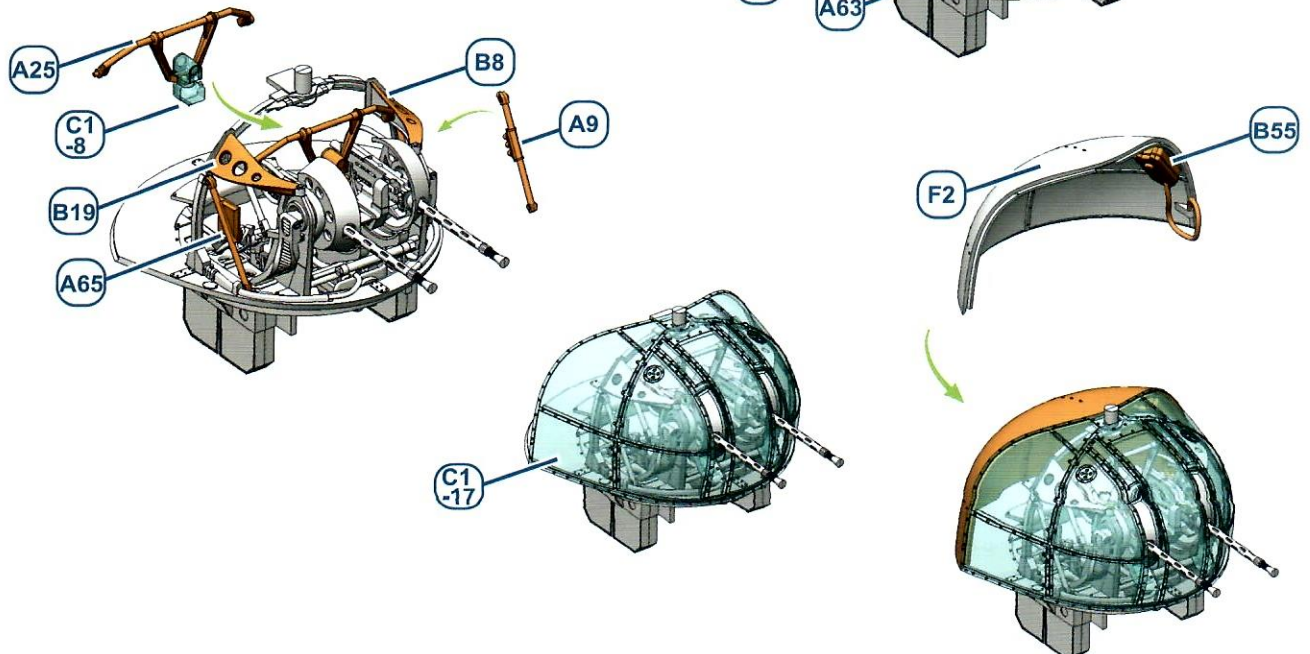
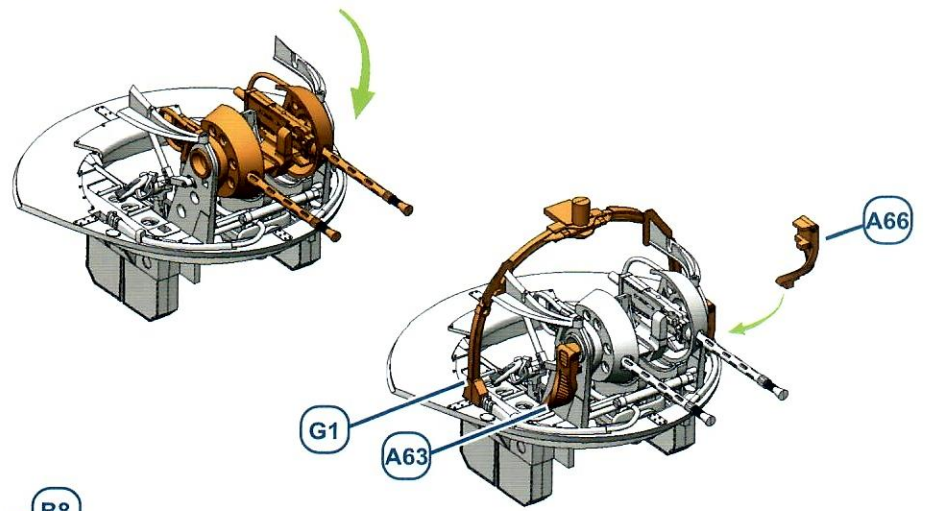
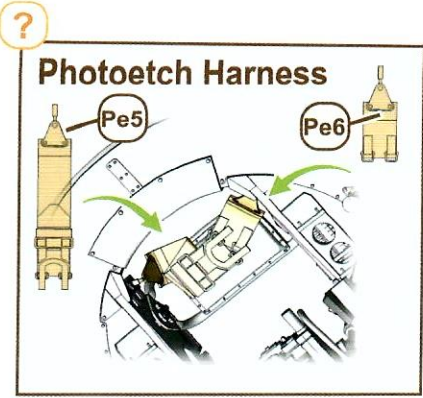
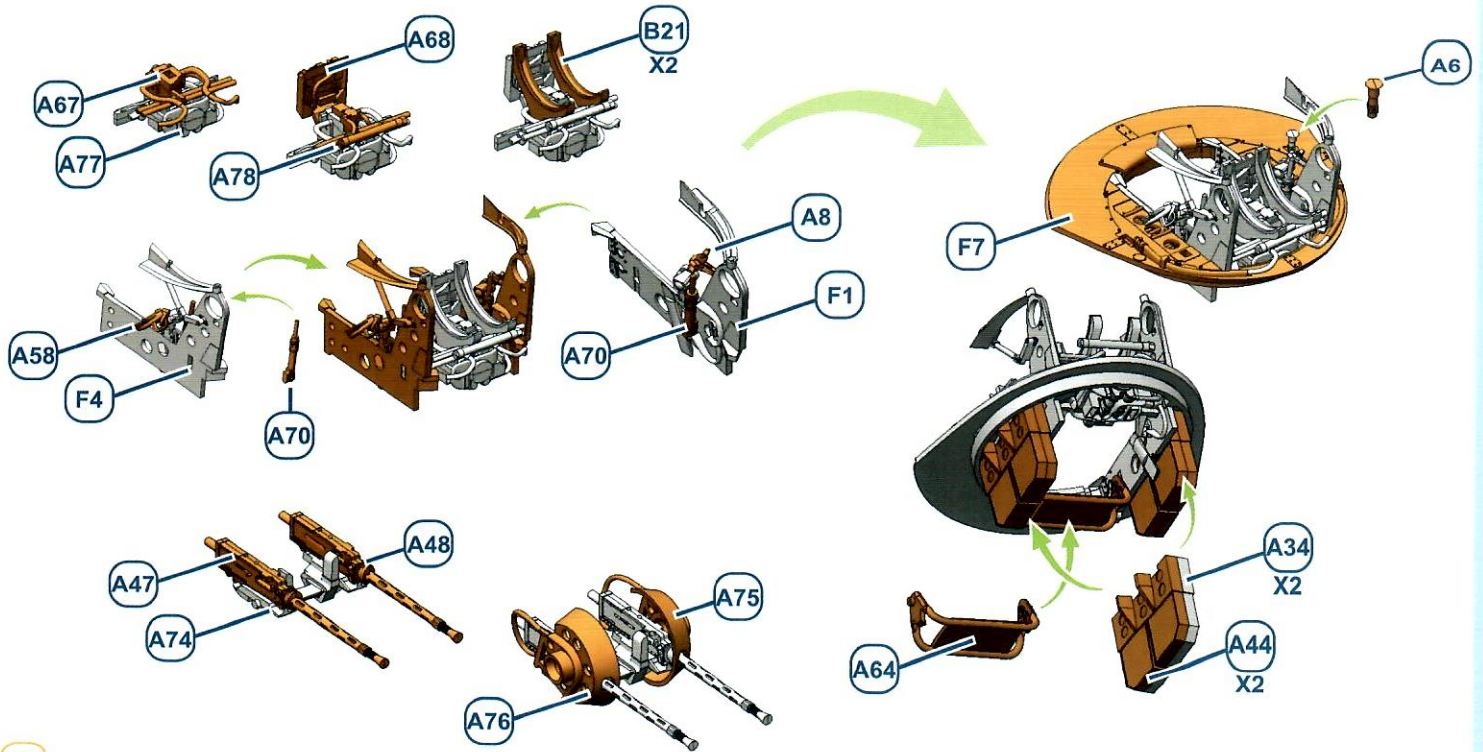
# Bombaimer



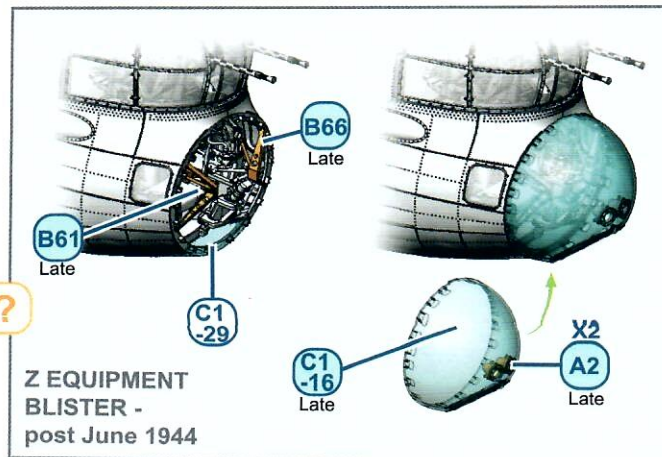
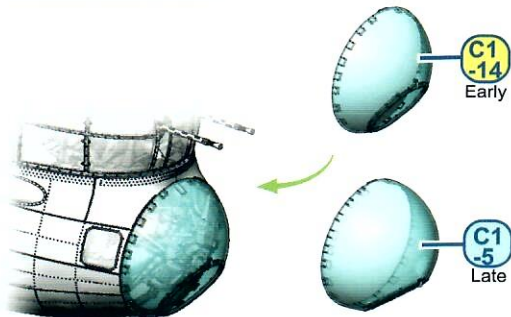
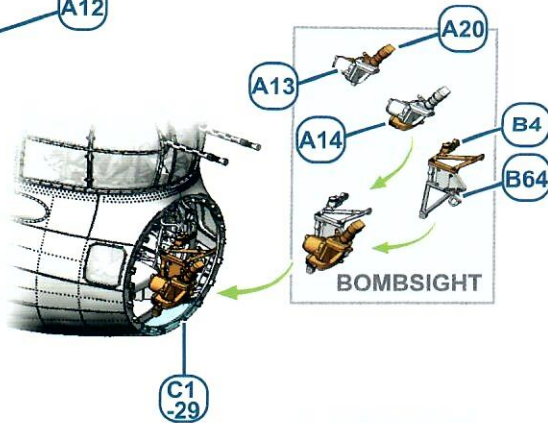
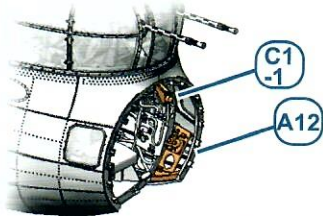
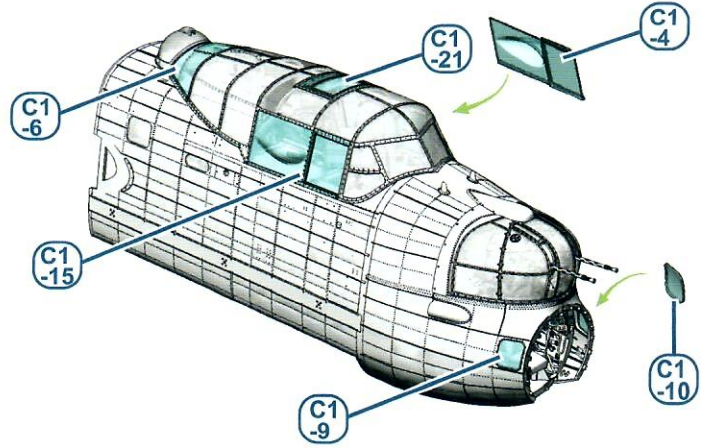
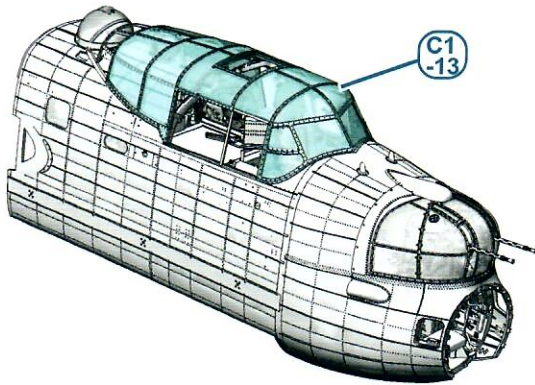
# Nose Assembly



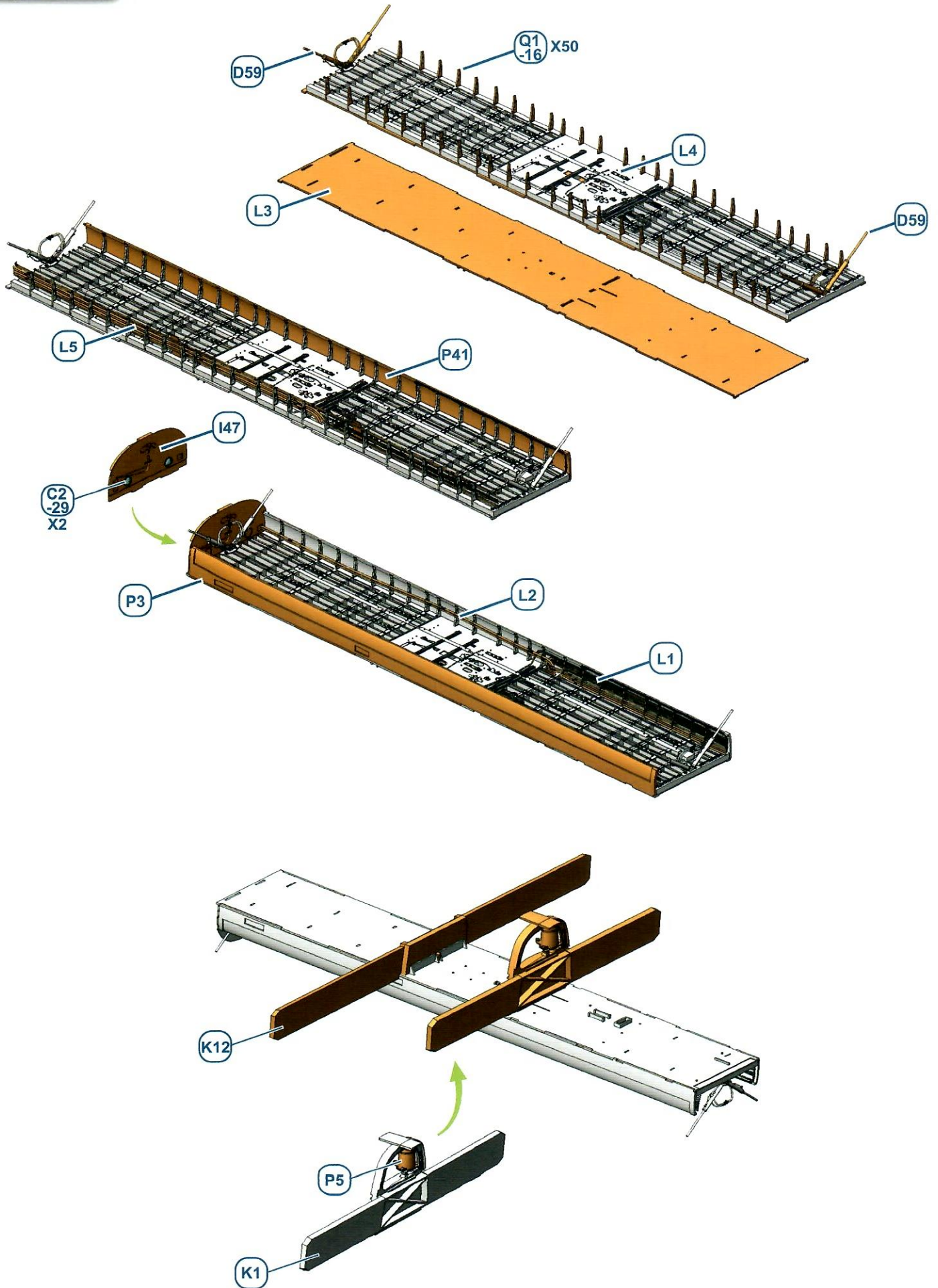
# Front Turret



# Nose Assembly

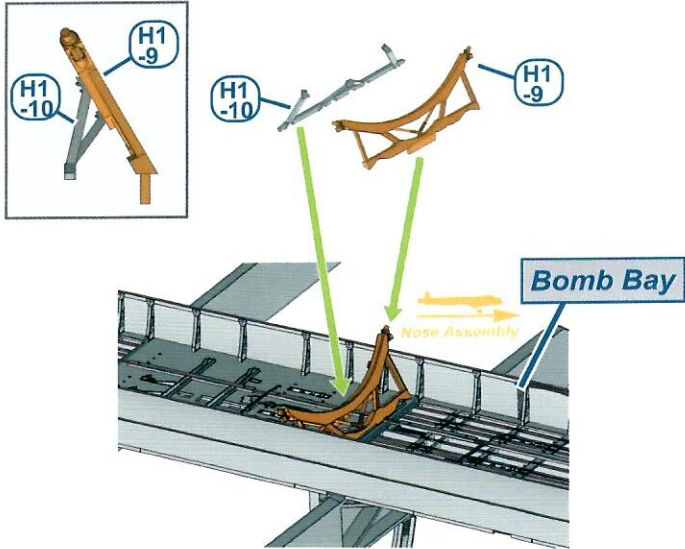


# Bomb Bay

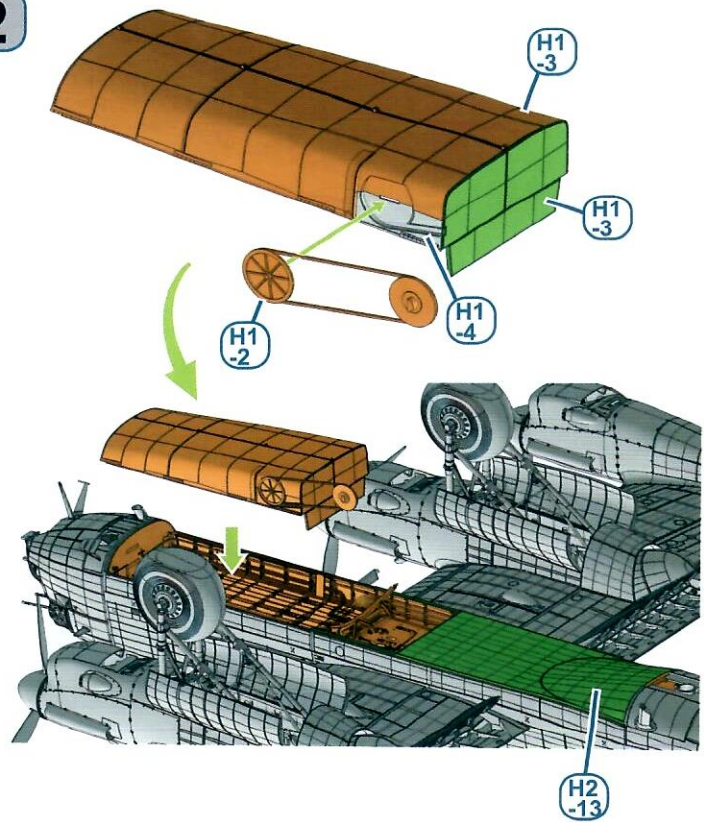


# DAMBUSTERS

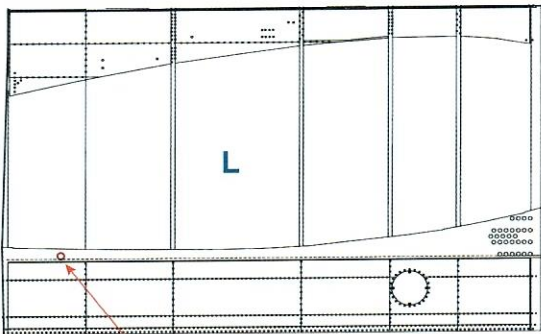
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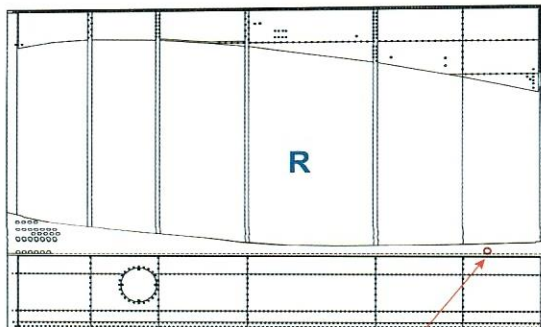
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3

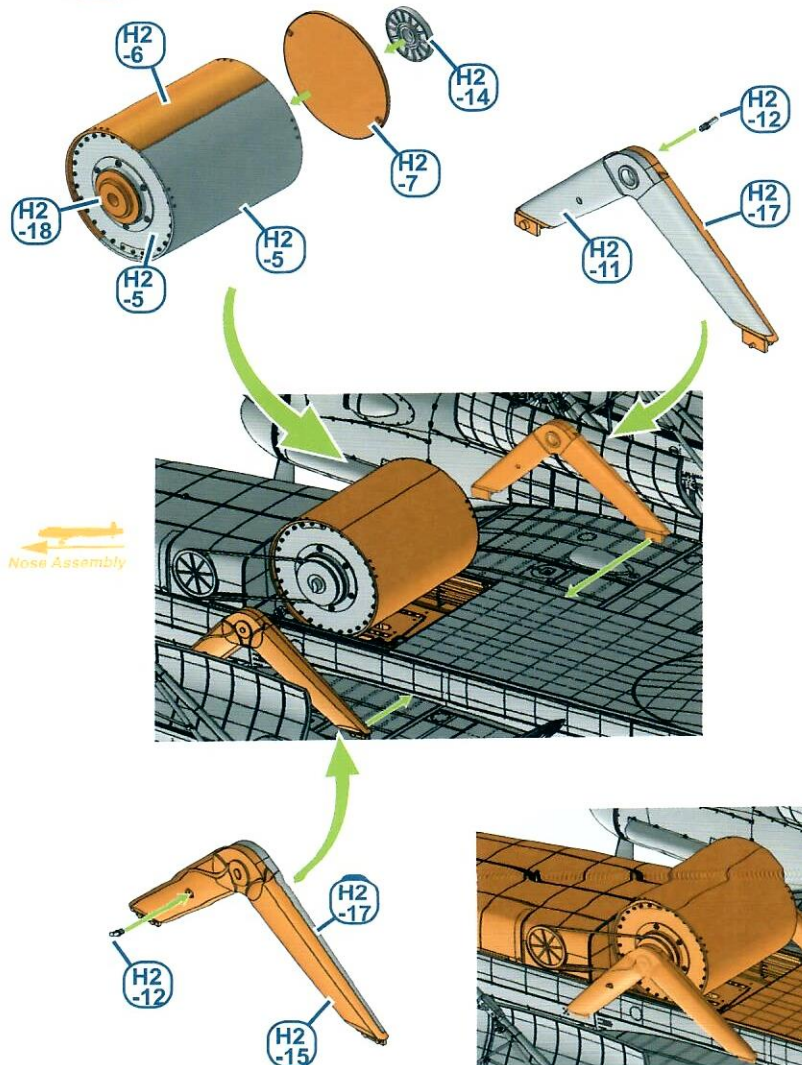


1:1 T-2 please drill here  
請在此鑽孔  
1.0mm

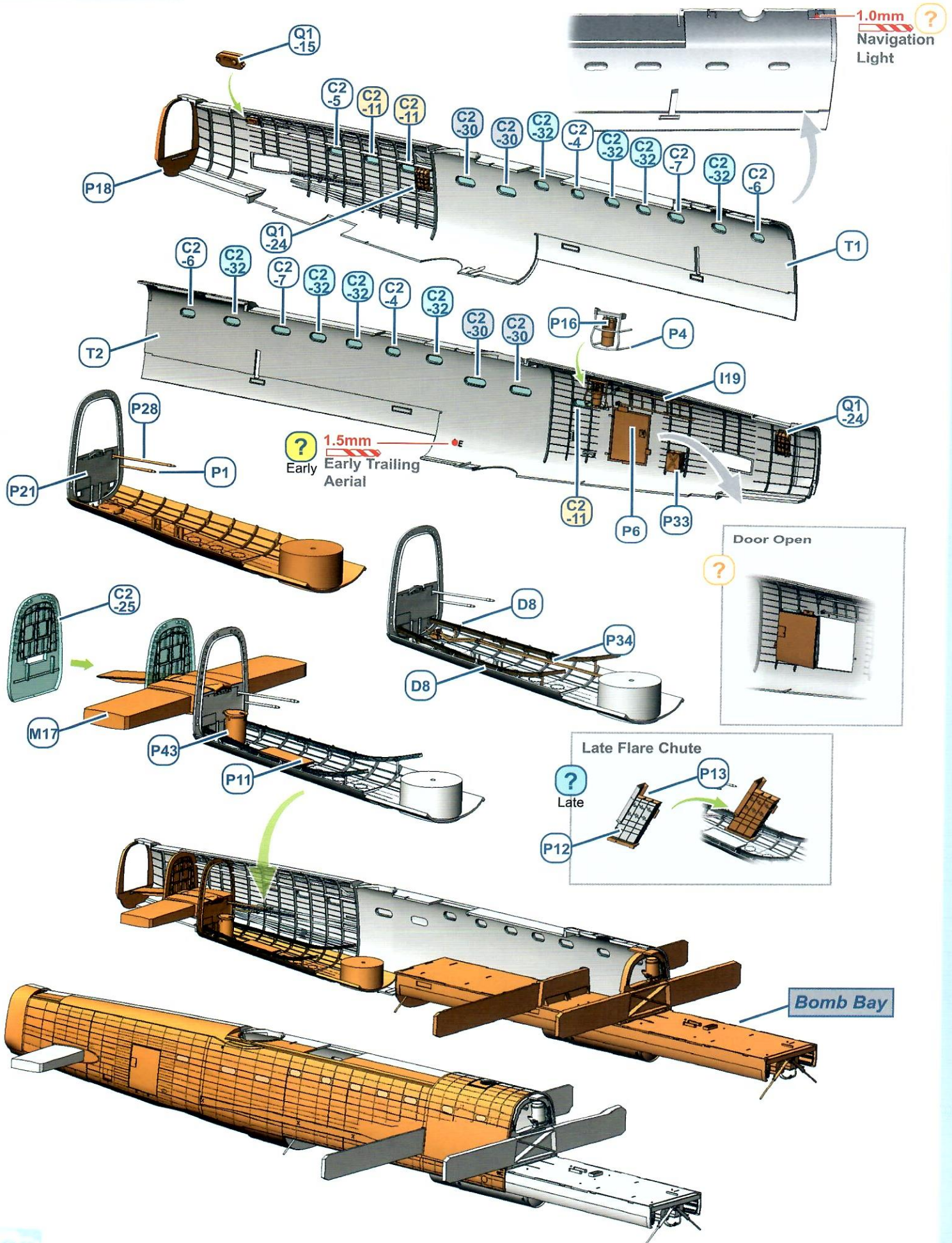


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請在此鑽孔  
1.0mm

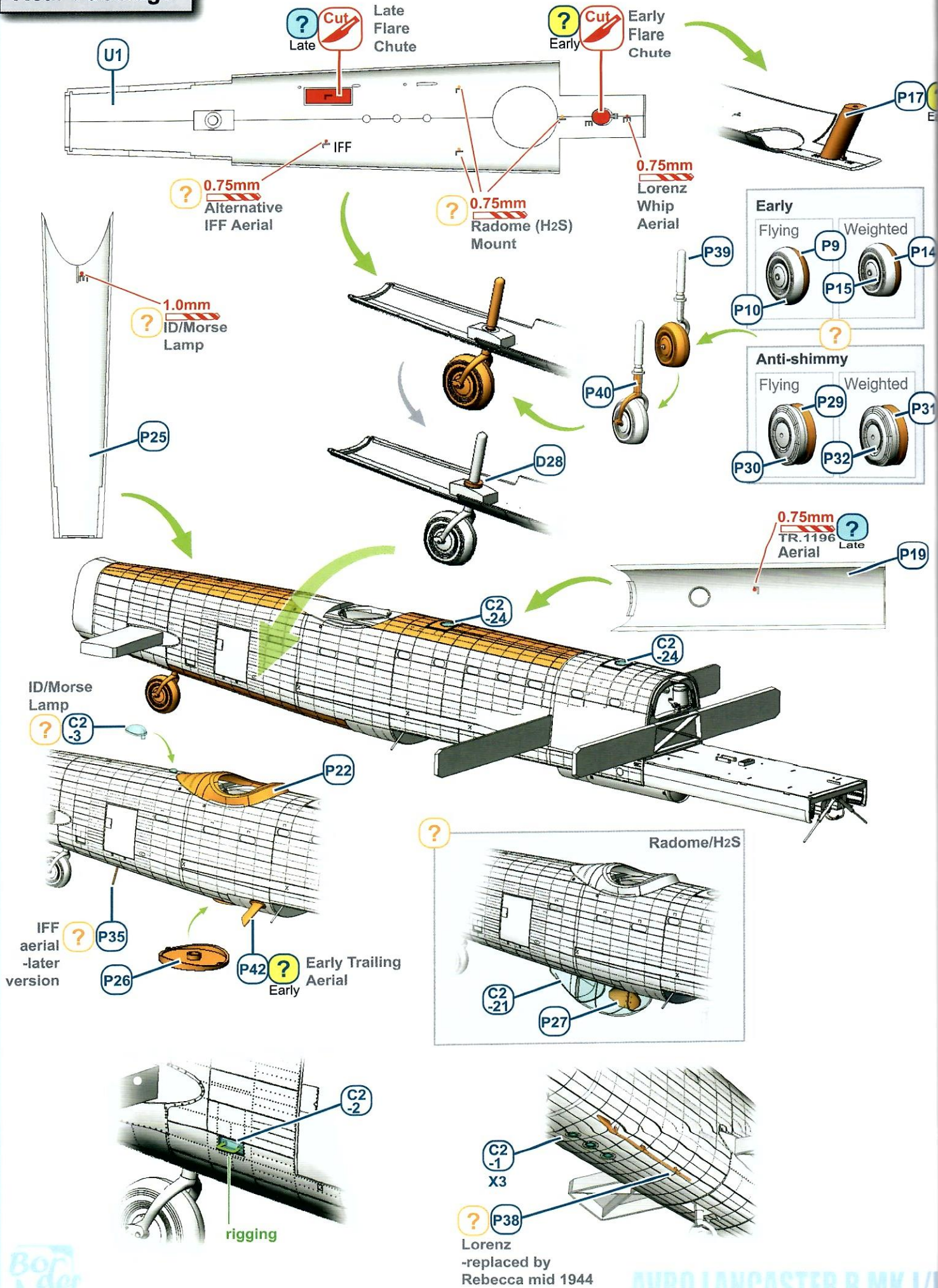
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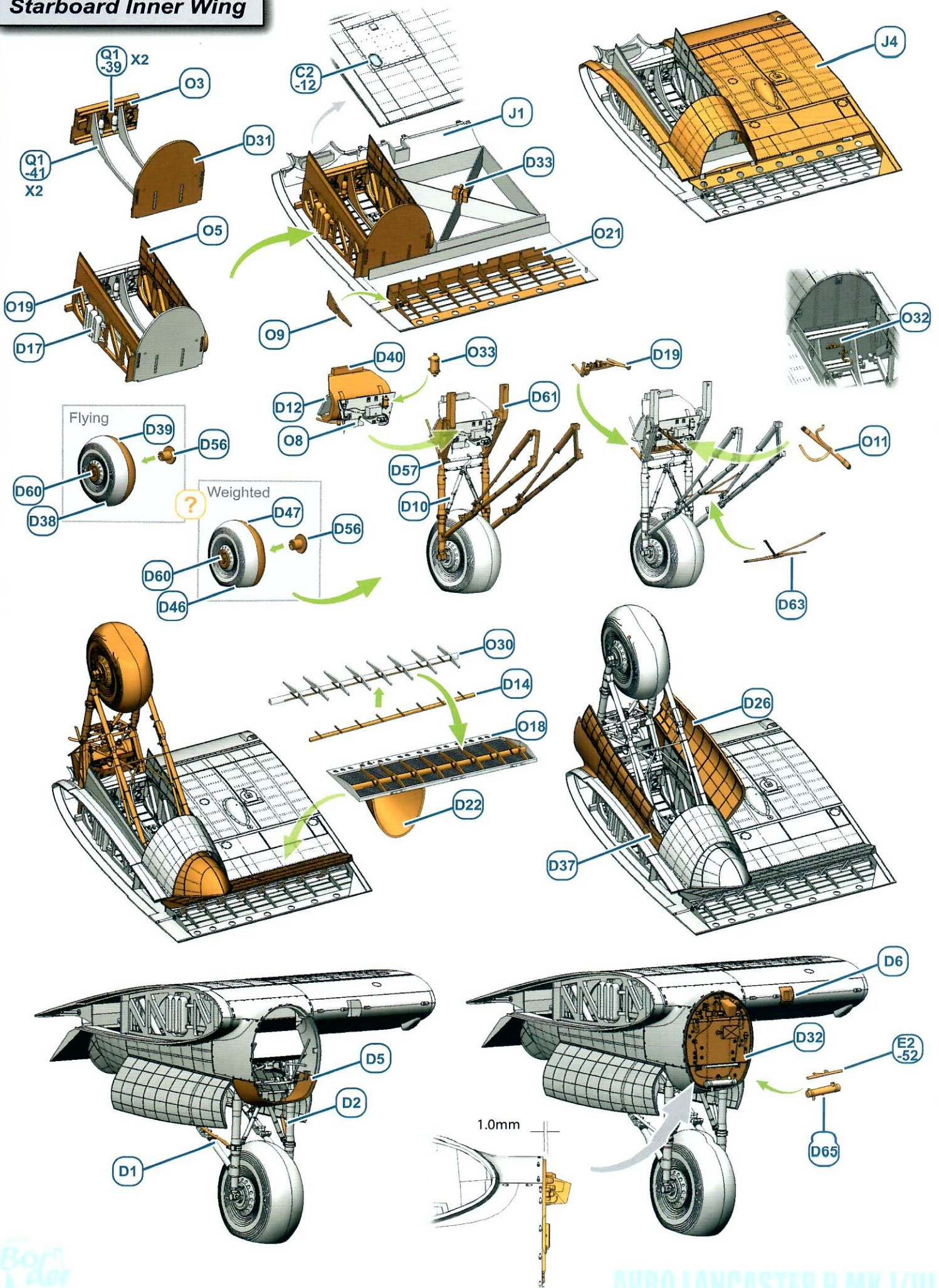
# Rear Fuselage



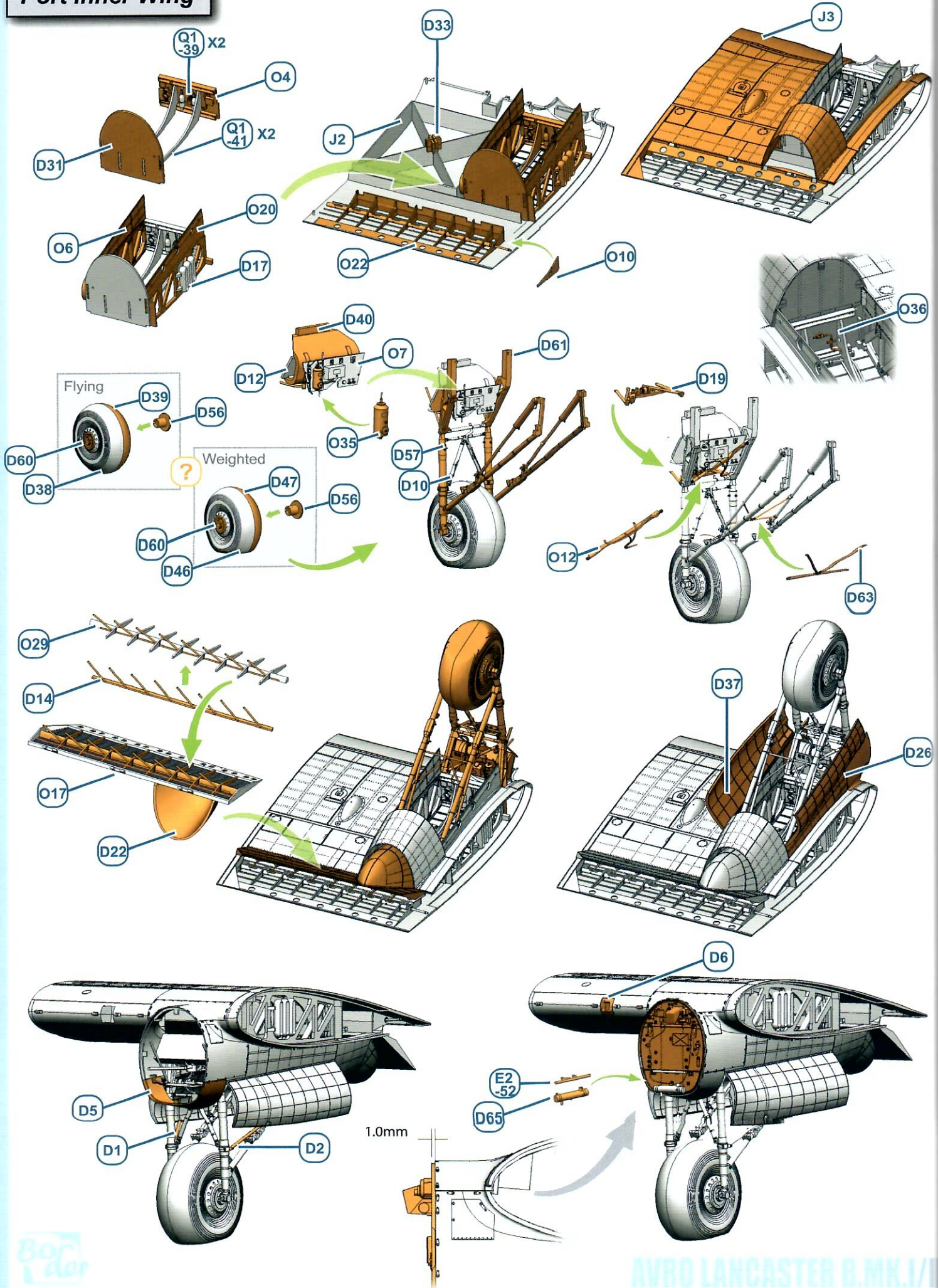
# Rear Fuselage



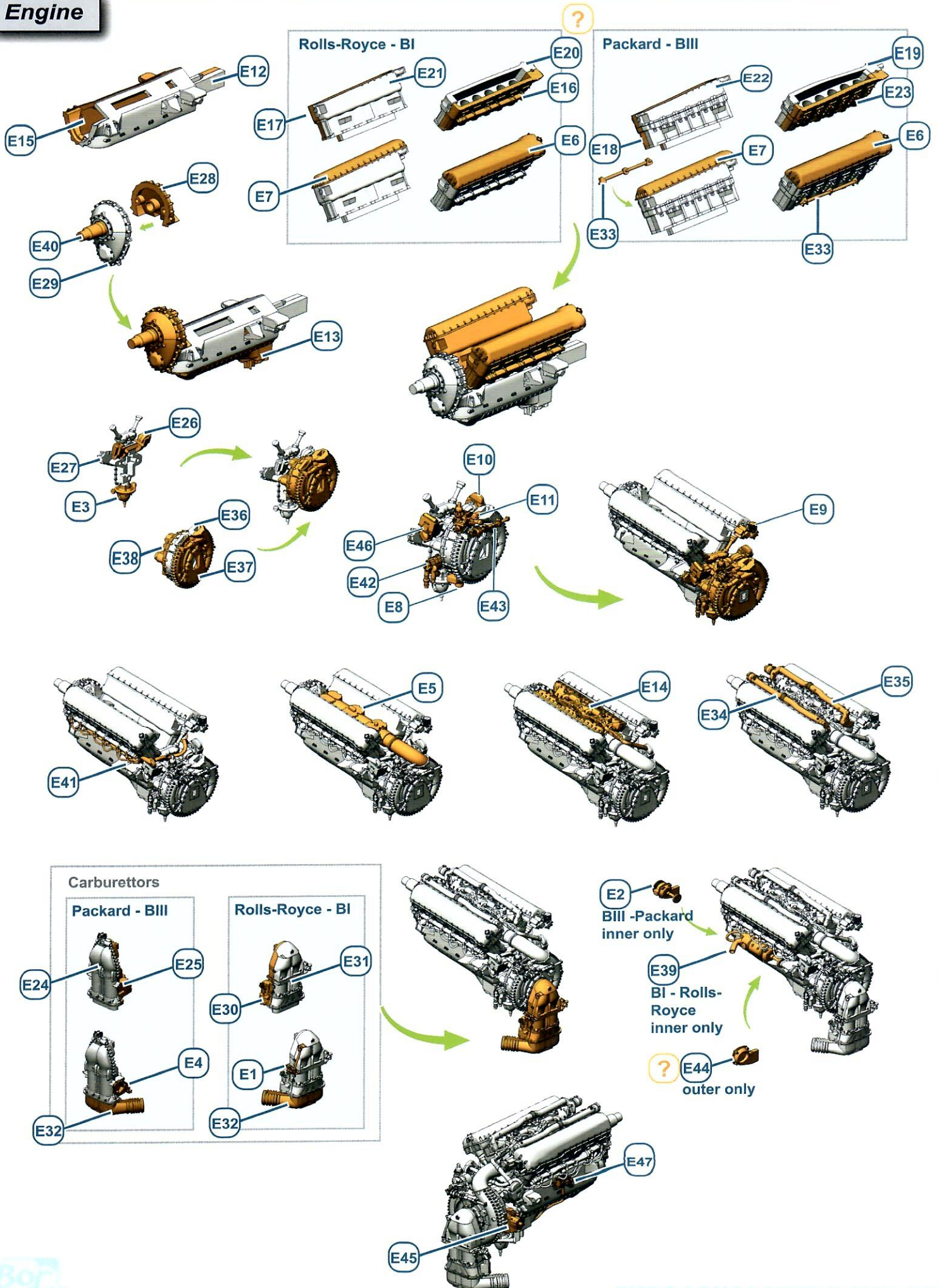
# Starboard Inner Wing



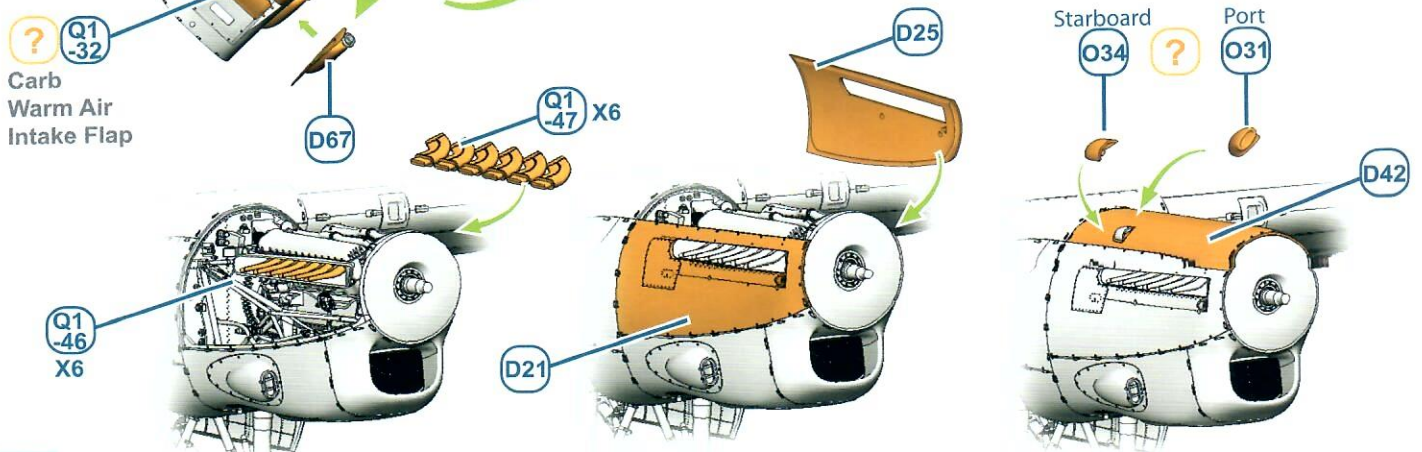
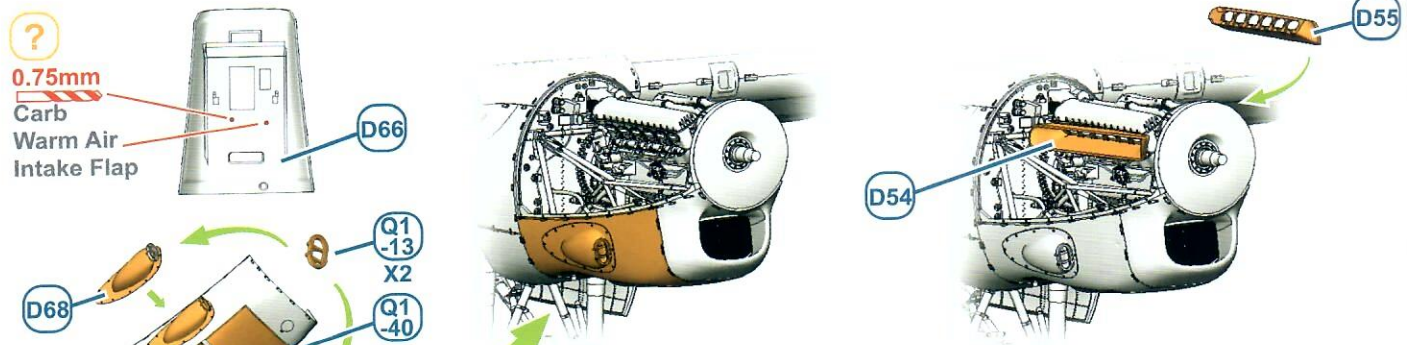
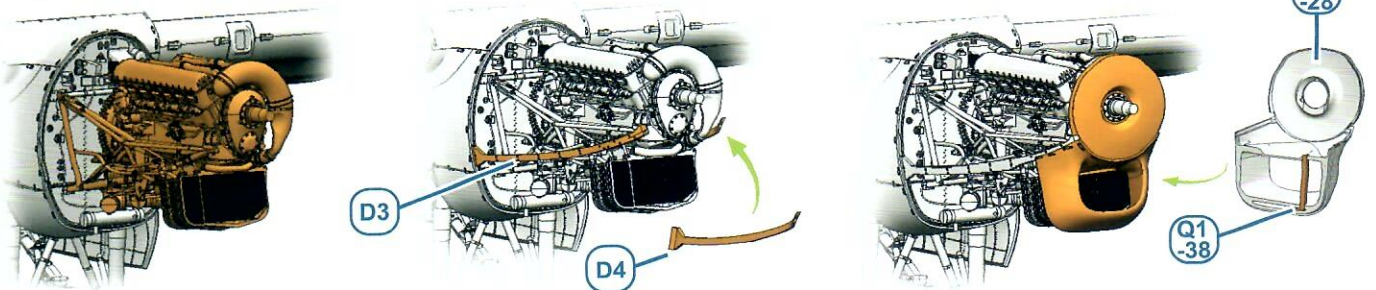
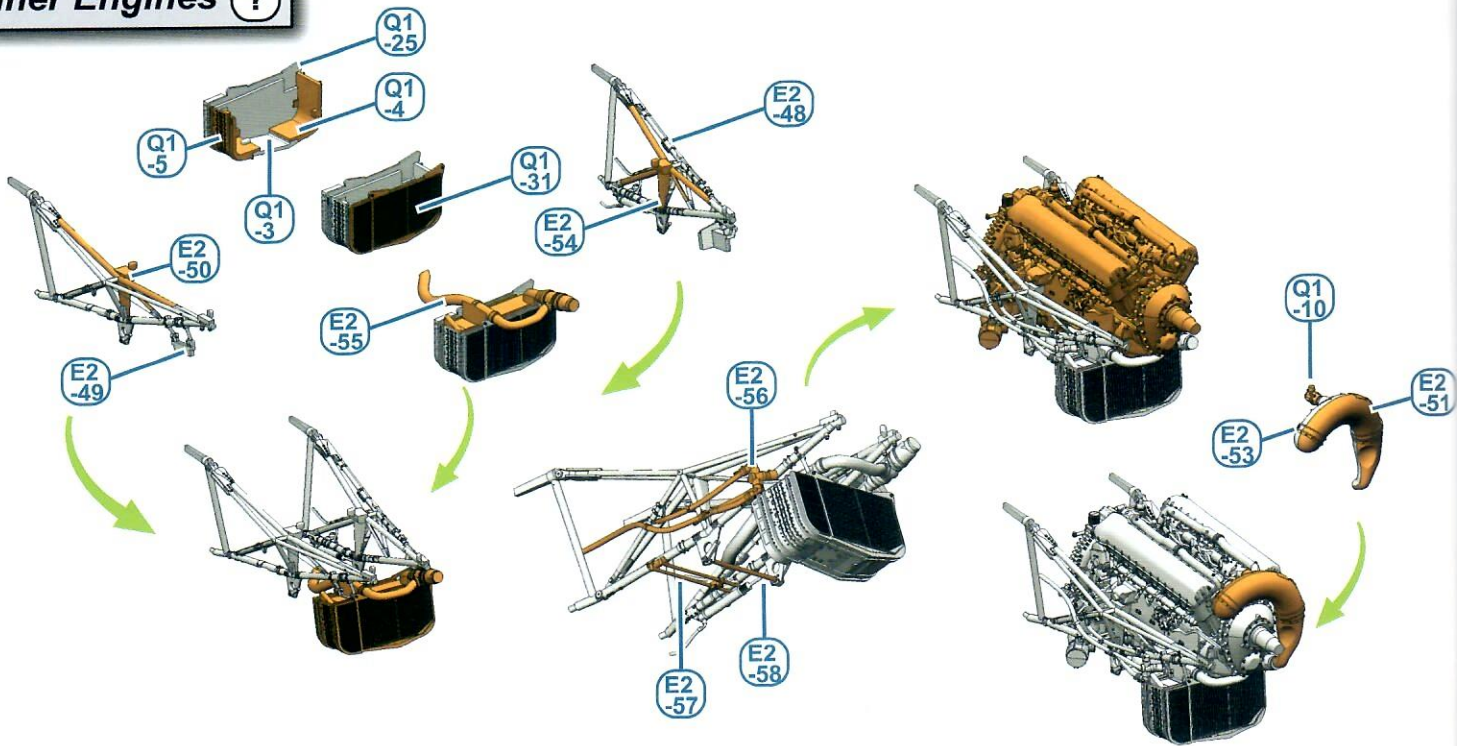
# Port Inner Wing



# Engine

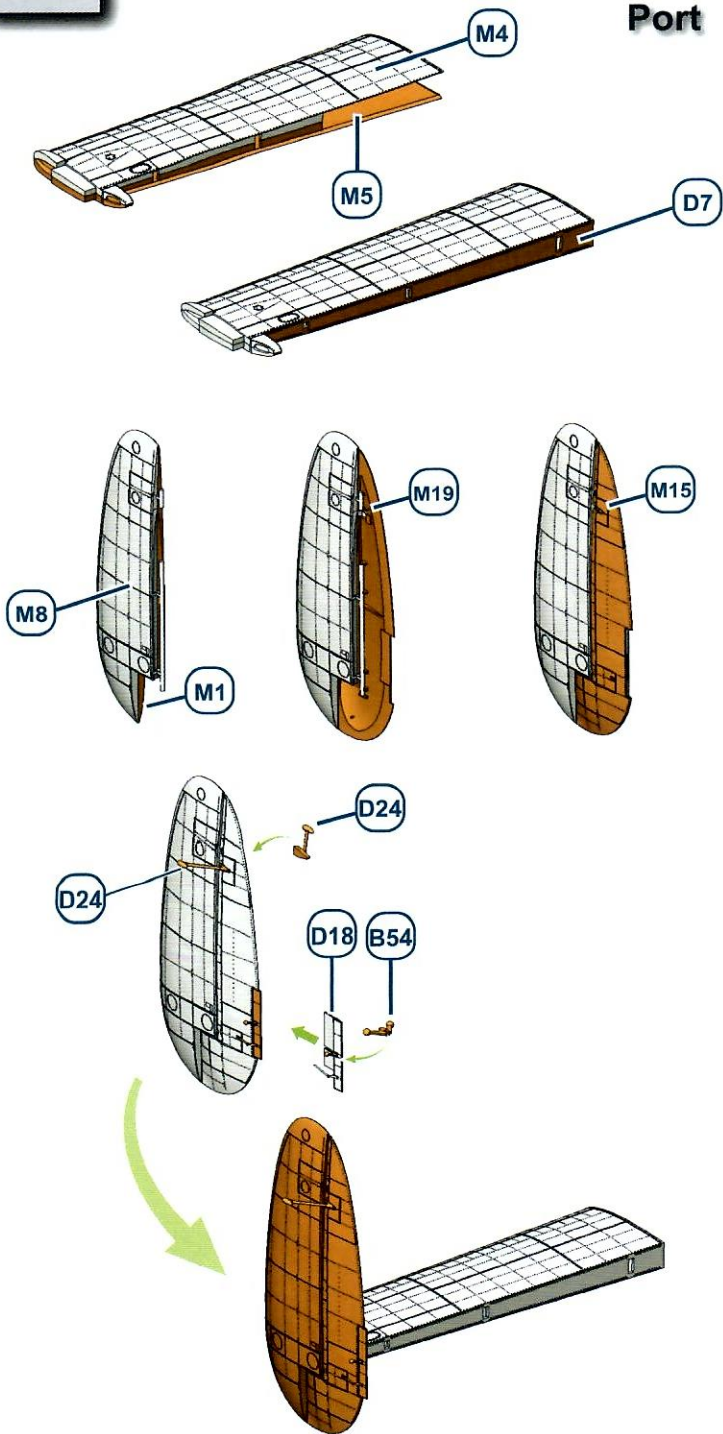


# Inner Engines ?

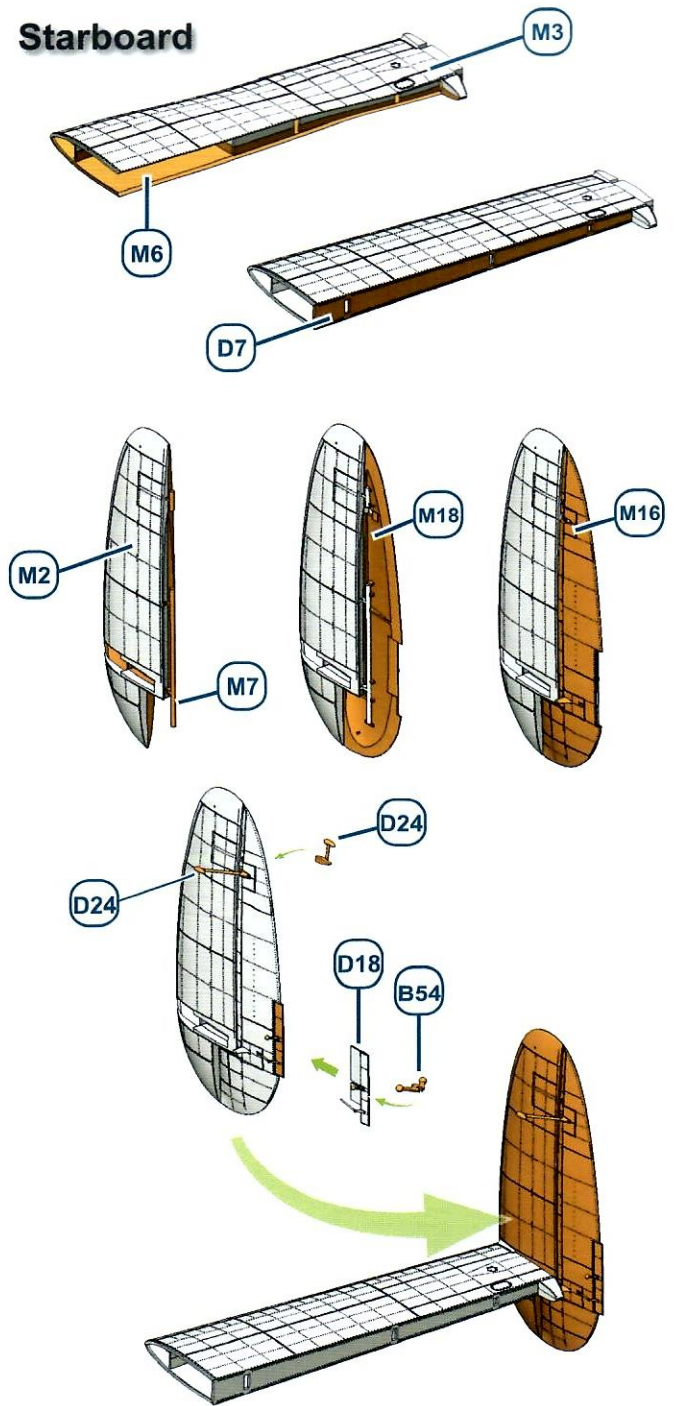


# Tail

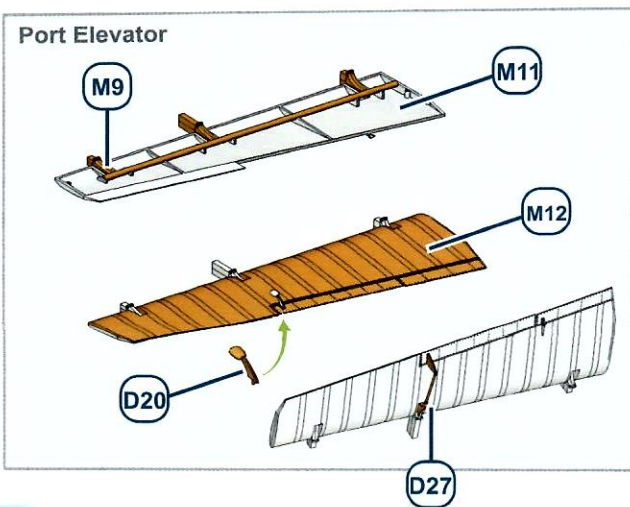
## Port



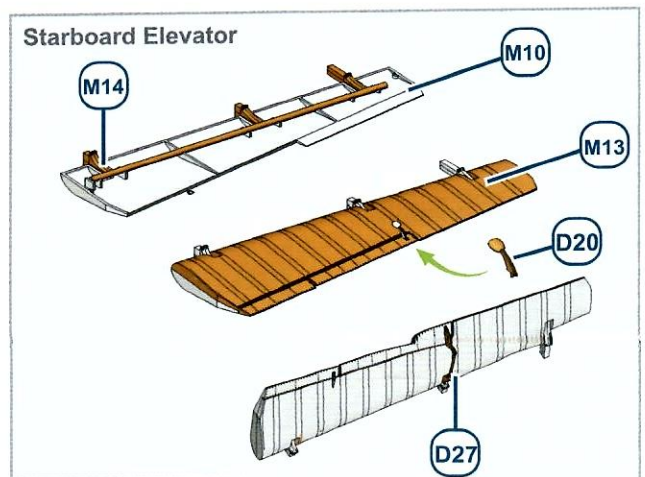
## Starboard



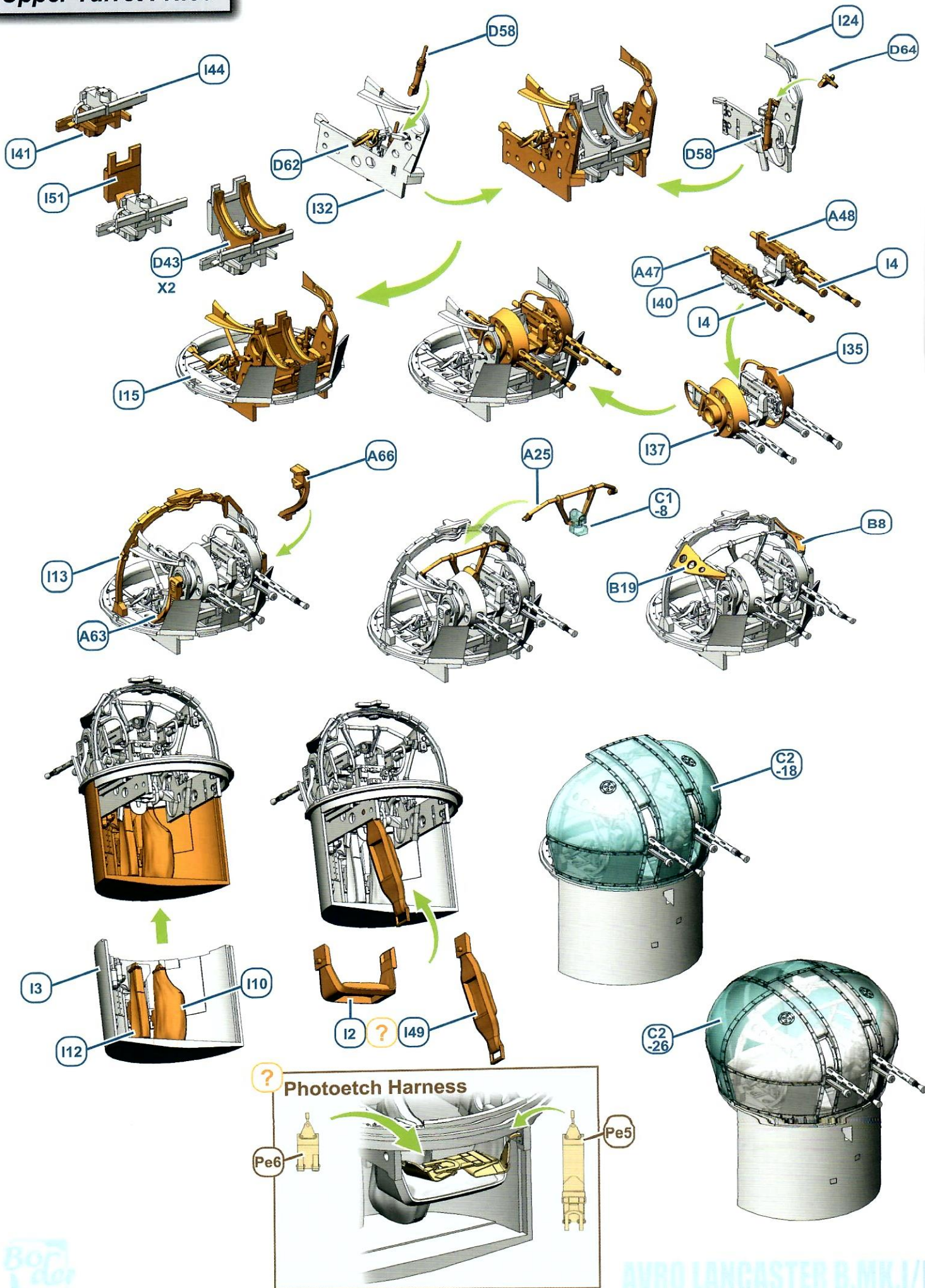
### Port Elevator



### Starboard Elevator



# Upper Turret FN.50

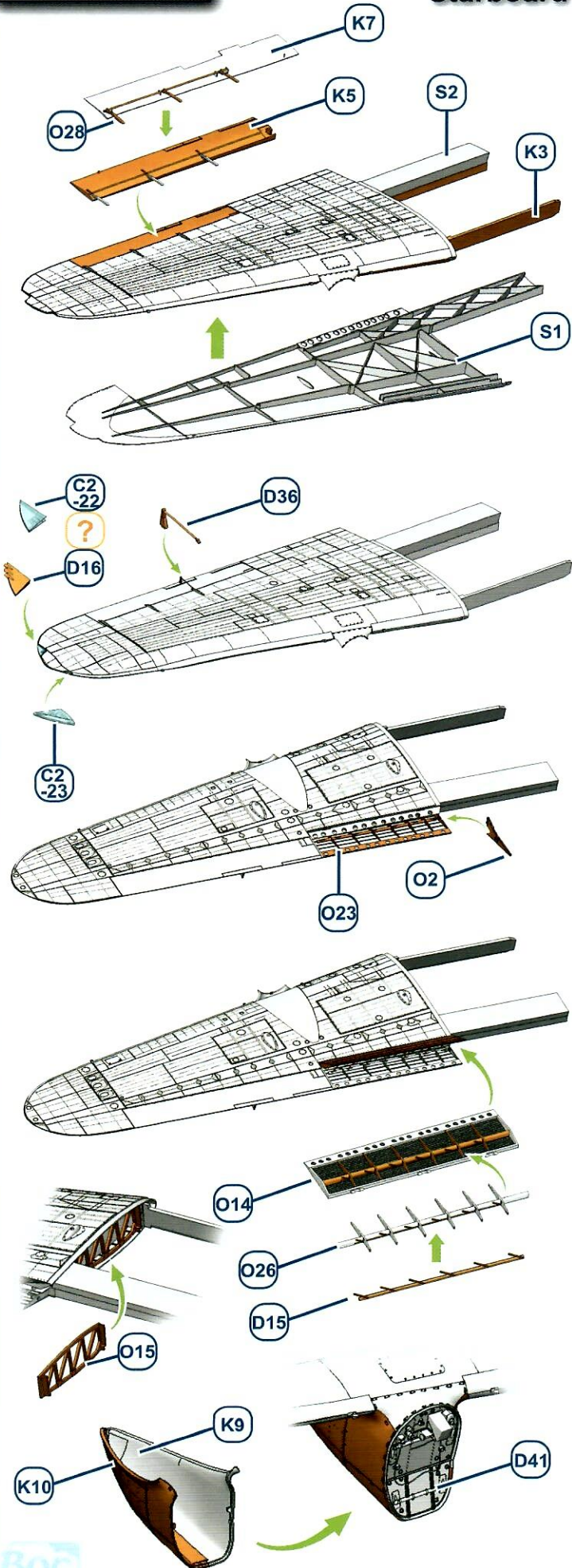




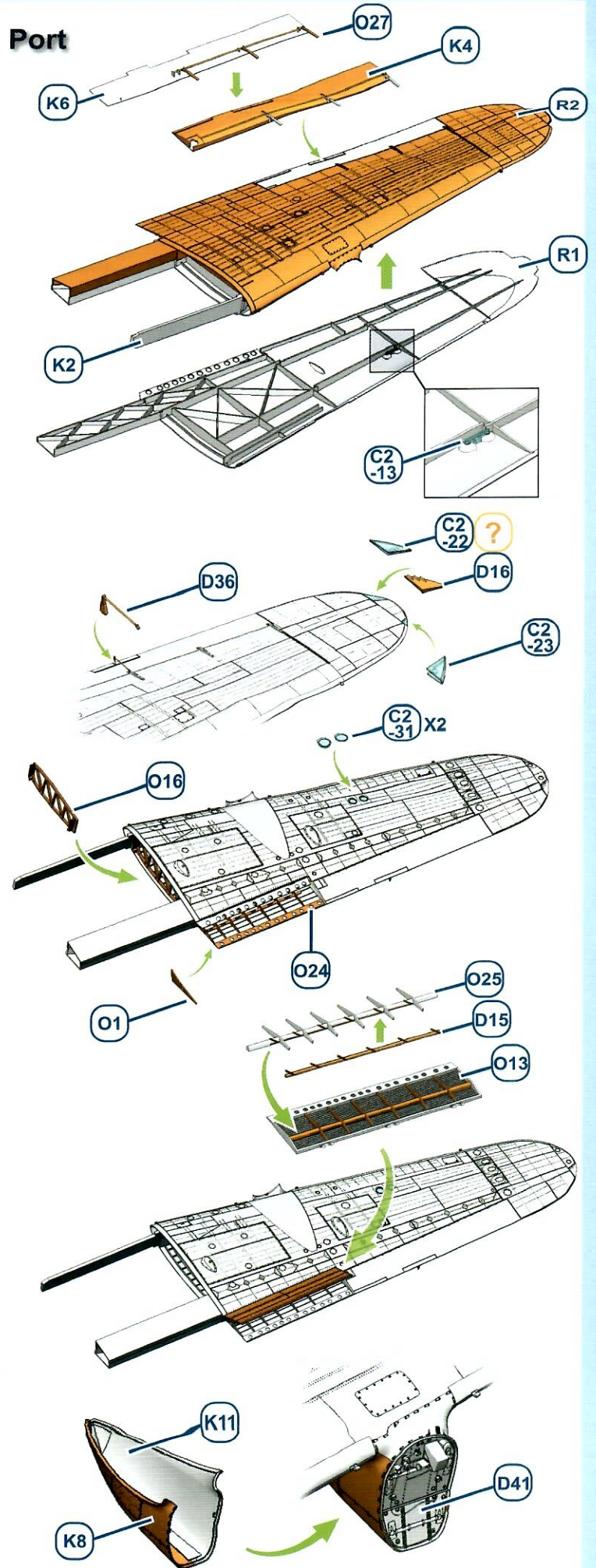


# Outer Wings

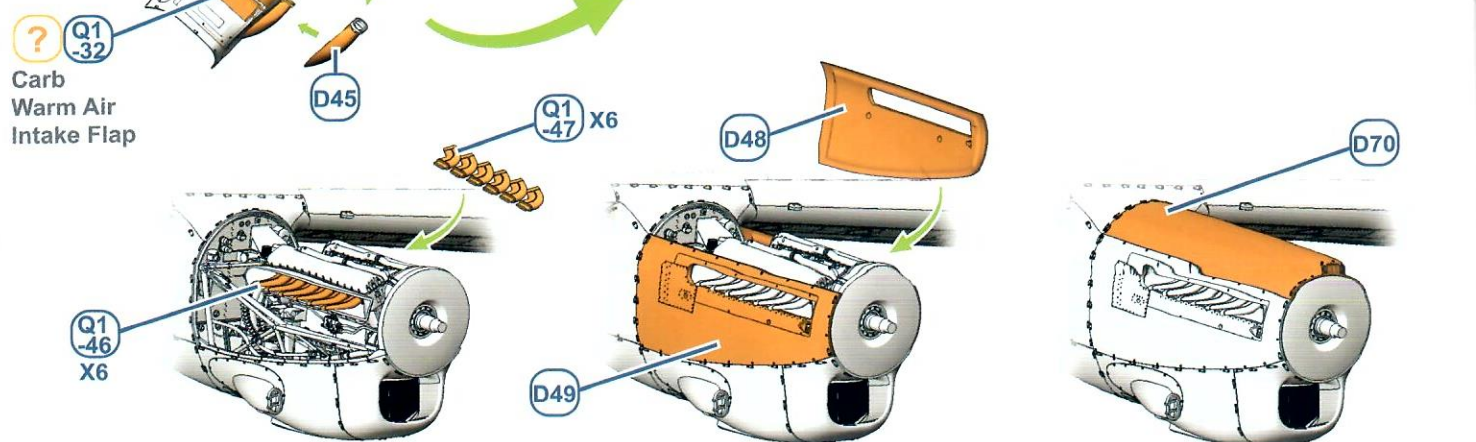
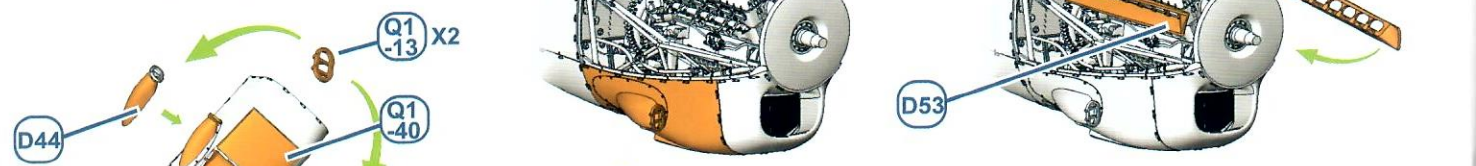
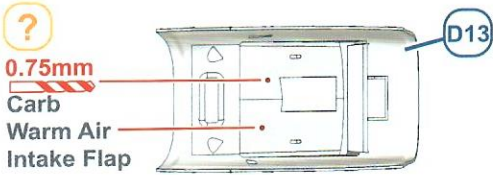
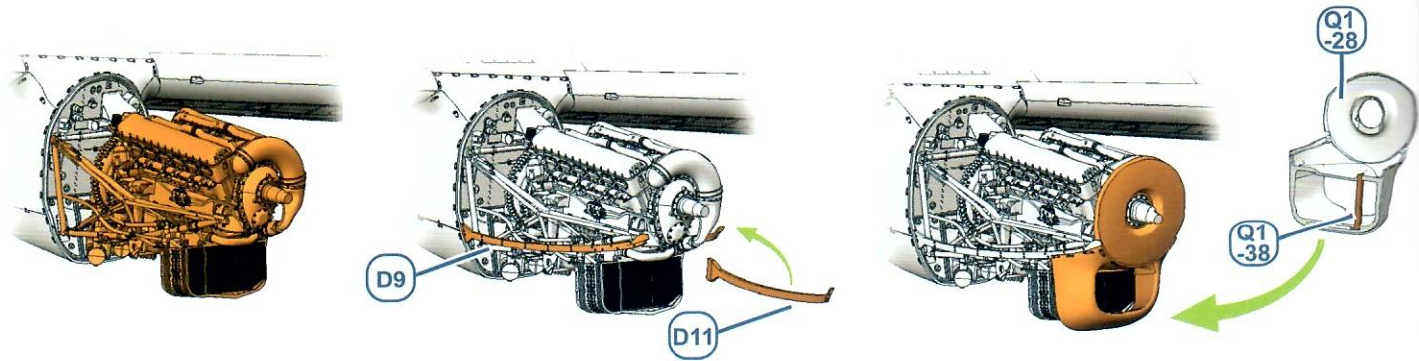
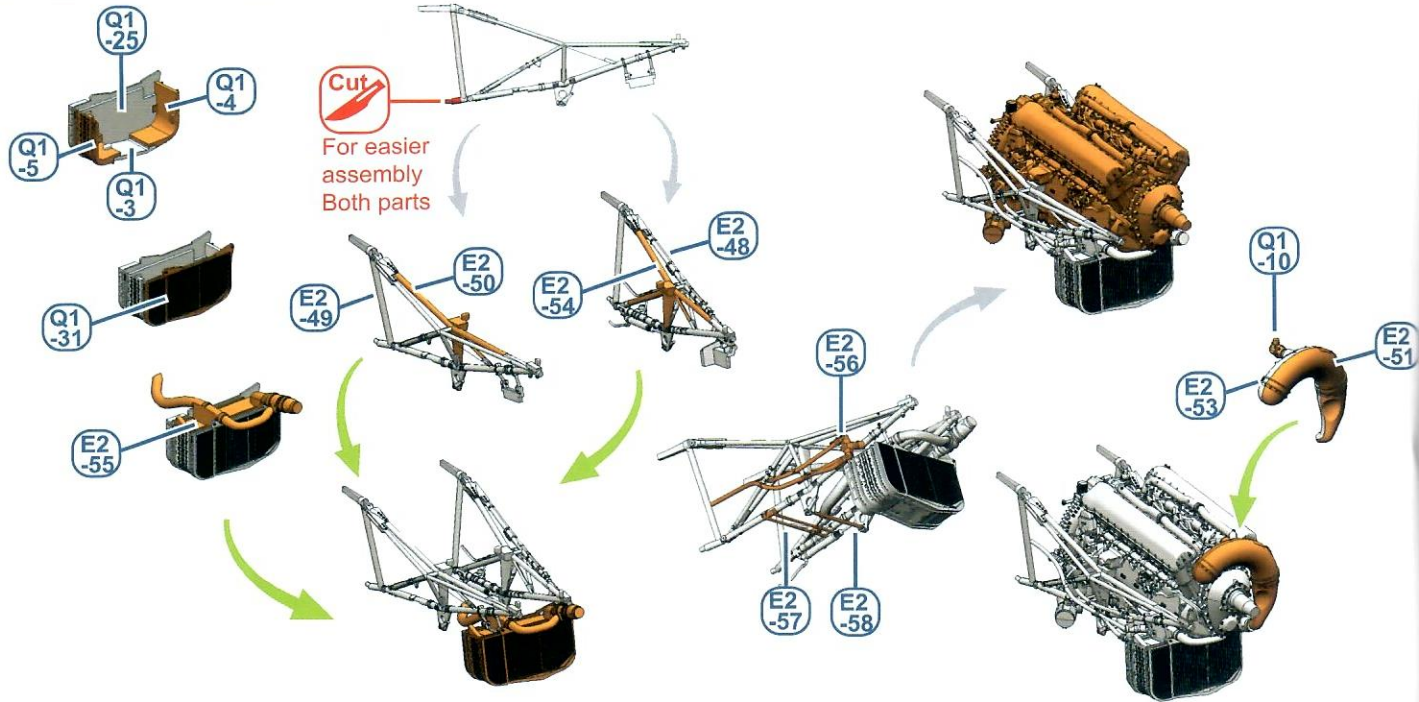
## Starboard



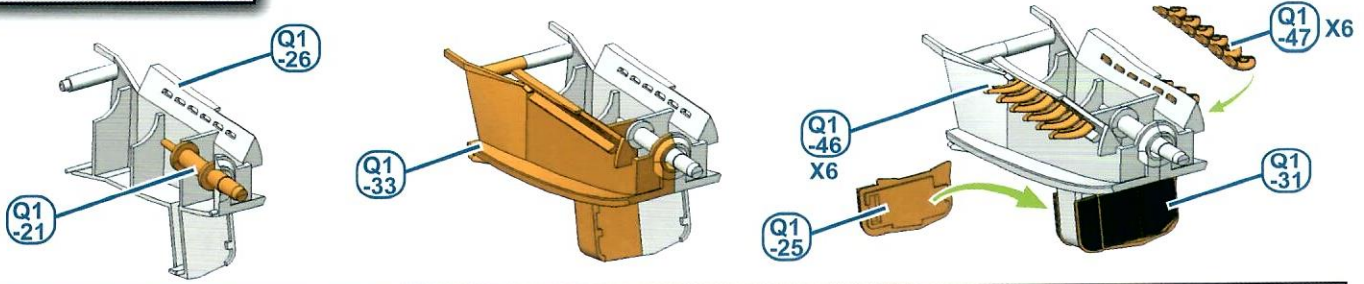
## Port



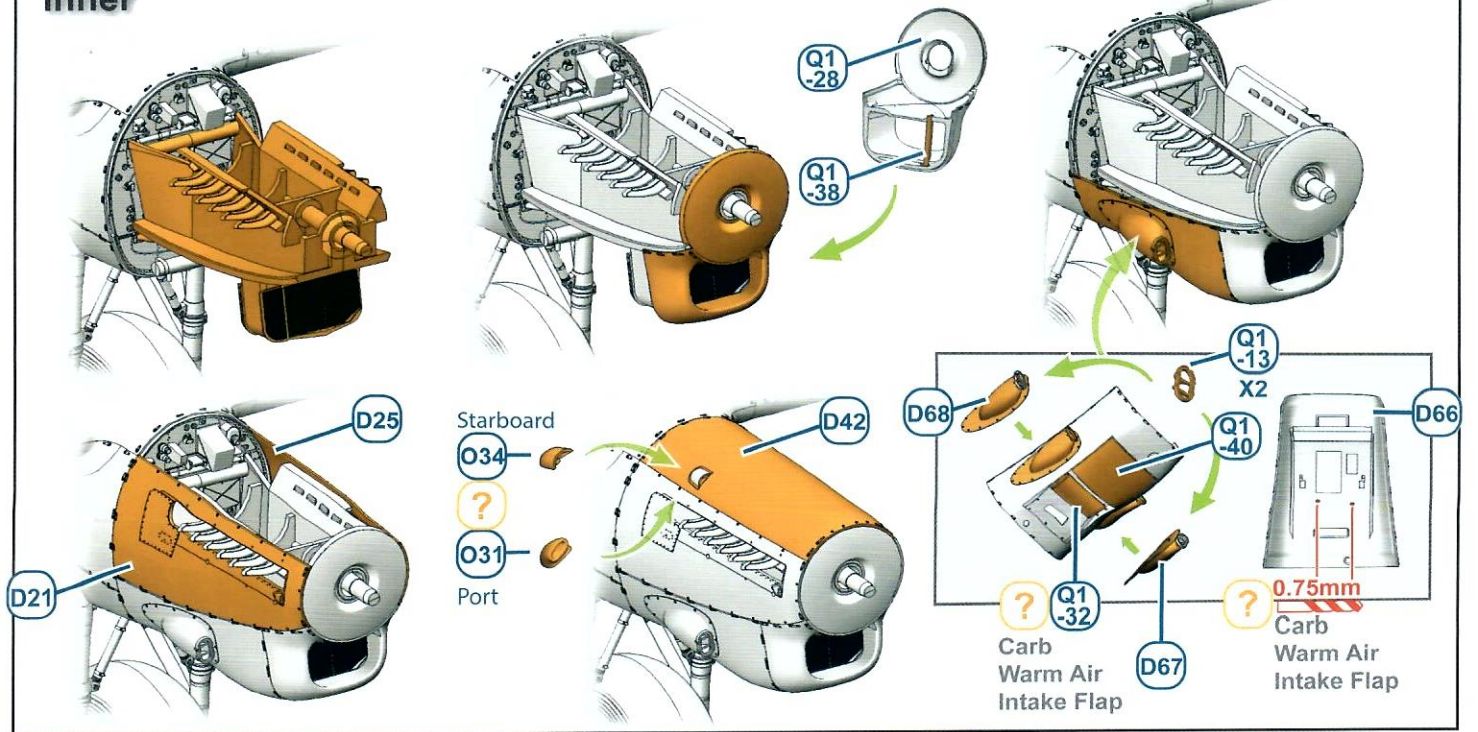
# Outer Engines ?



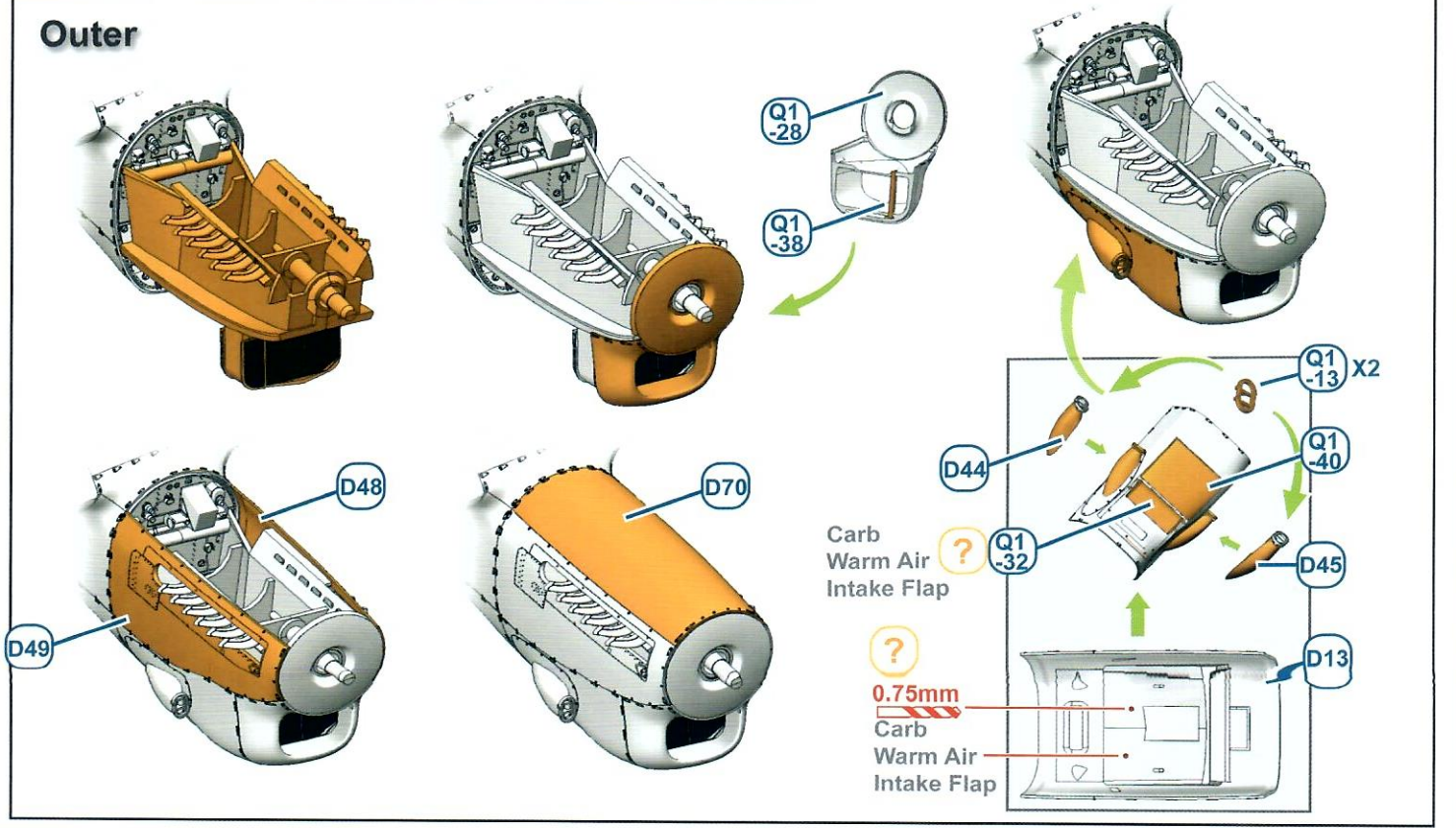
# Dummy Engines ?



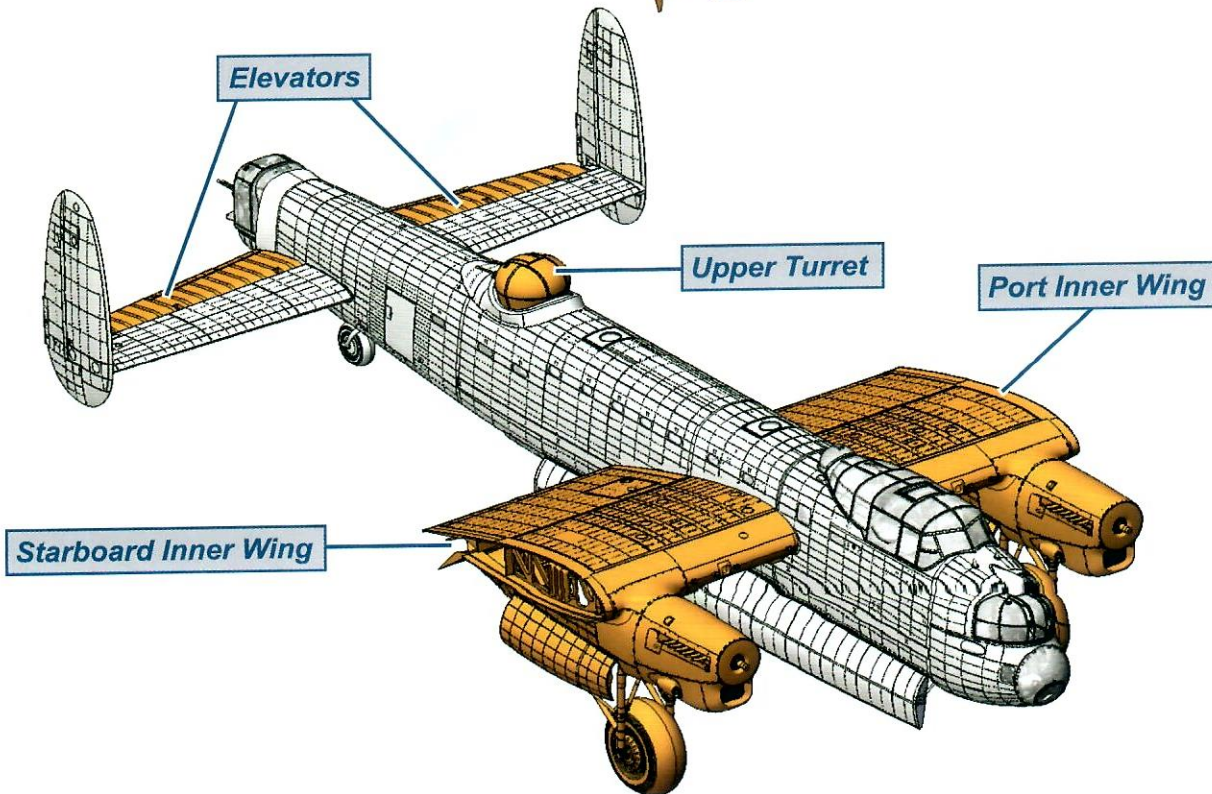
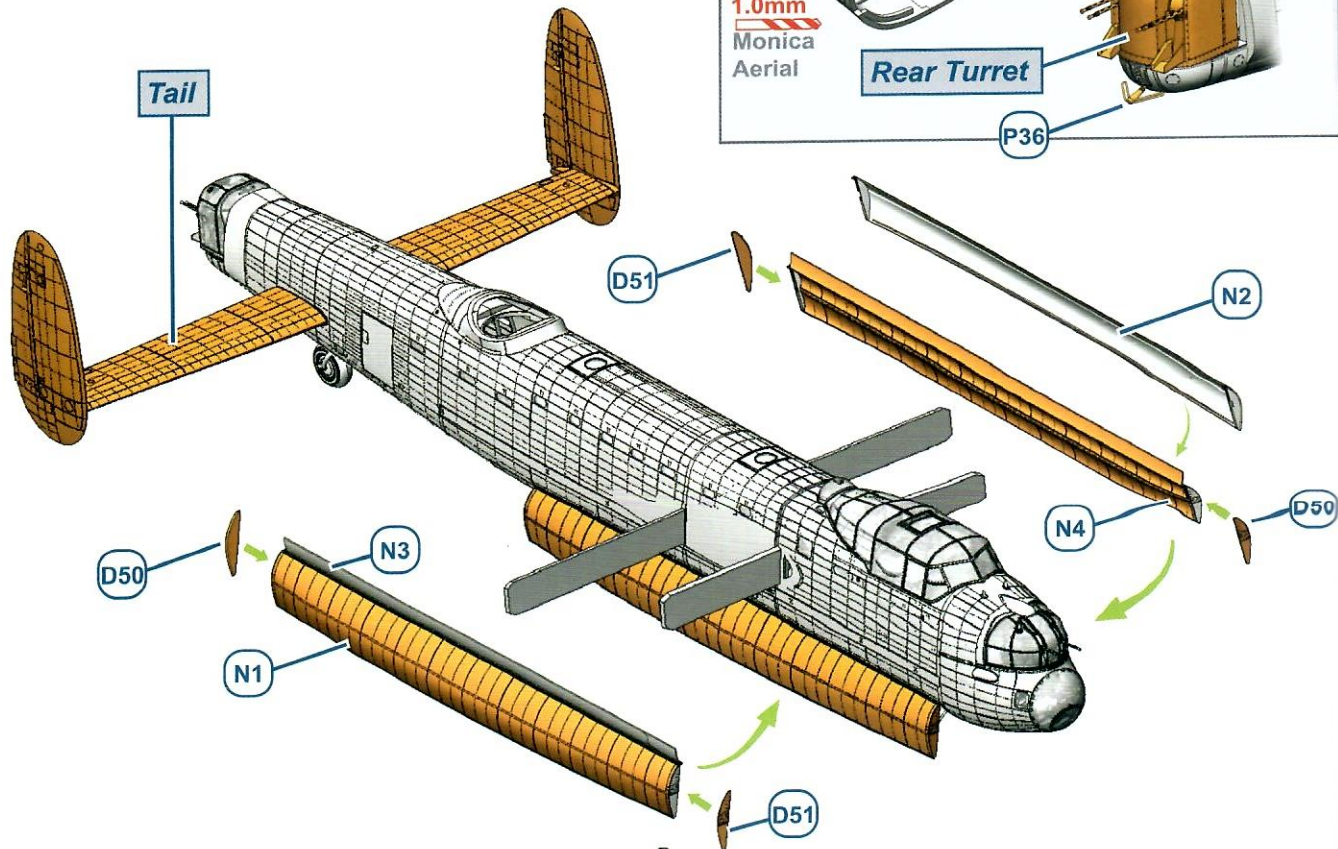
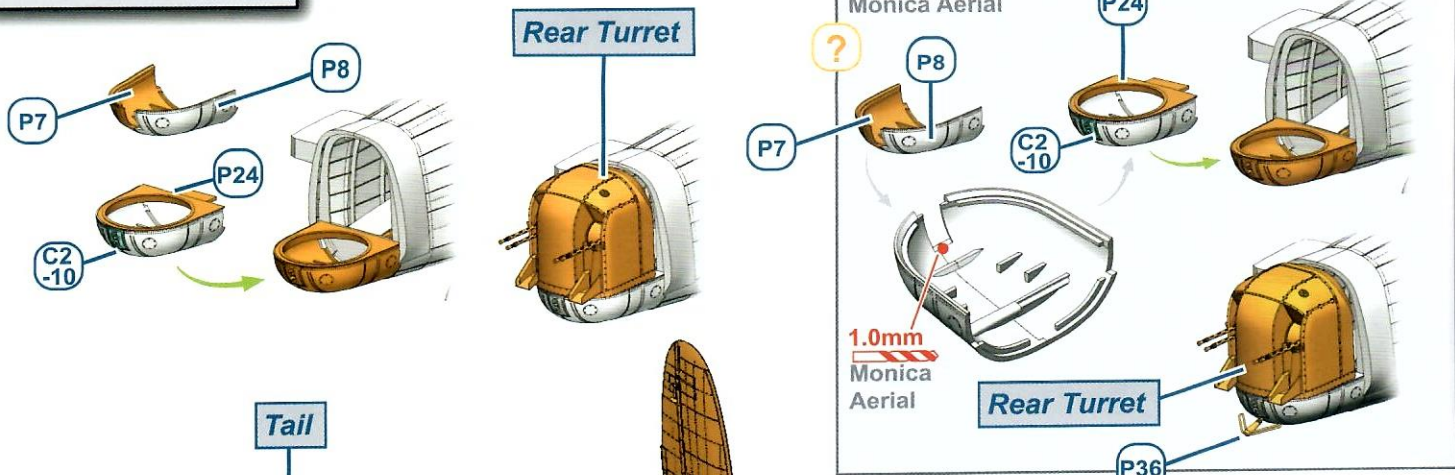
## Inner



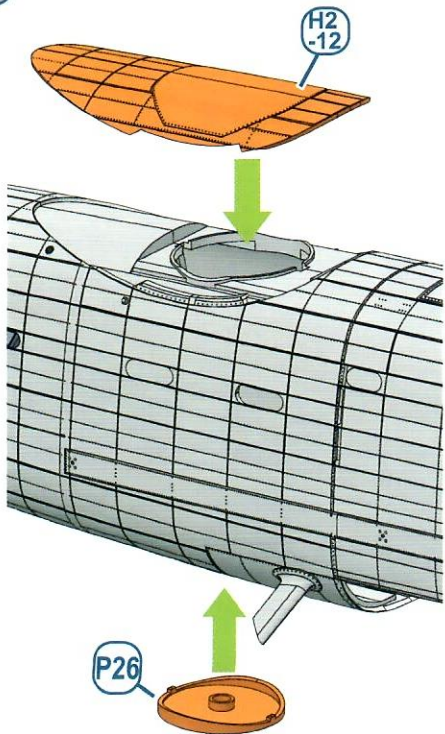
## Outer



# Final Assembly

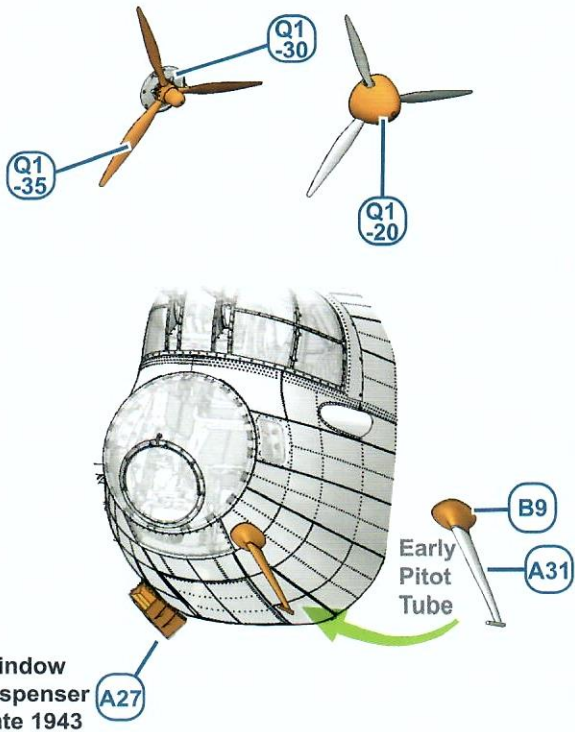


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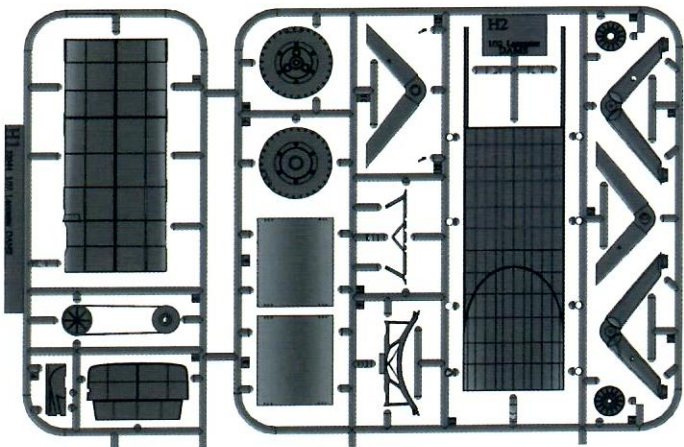


Dambuster only

Needle Propeller X4

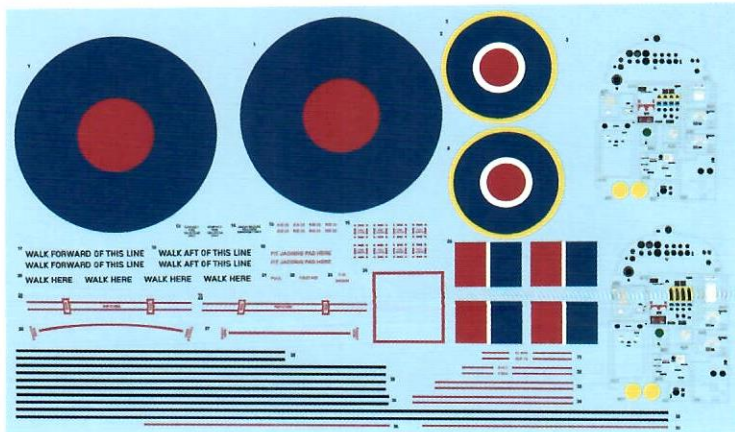


零件 Parts



# DAMBUSTERS

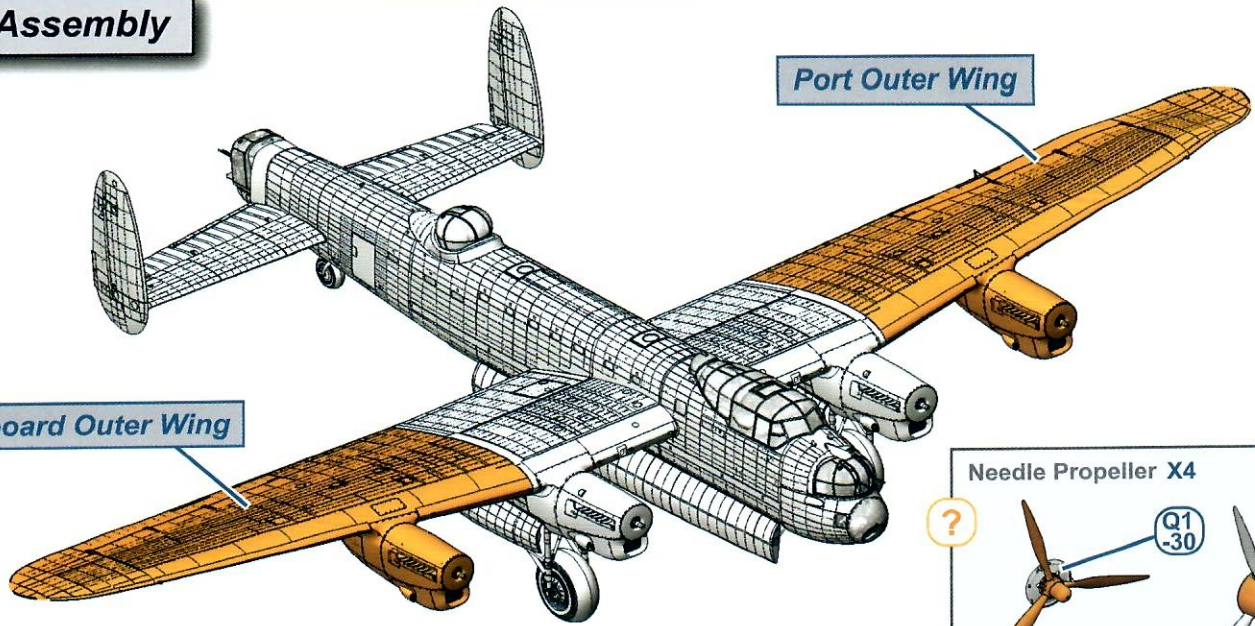
Decal



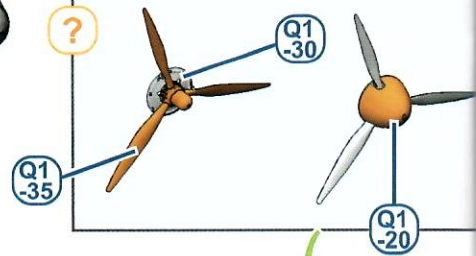
# Final Assembly

Starboard Outer Wing

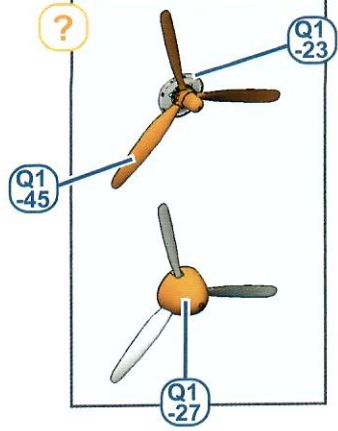
Port Outer Wing



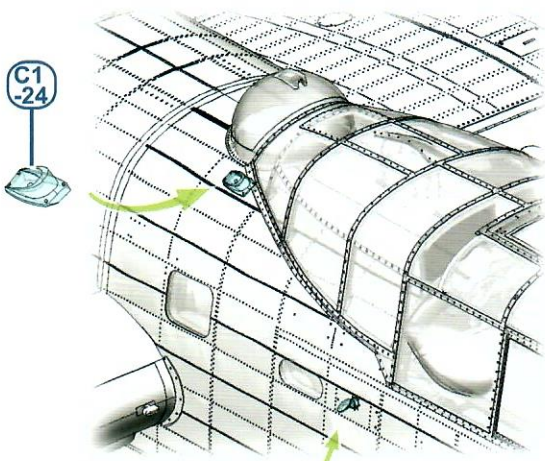
Needle Propeller X4



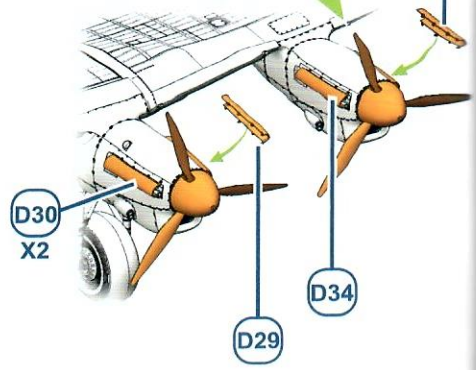
Paddle Propeller X4



C1-24



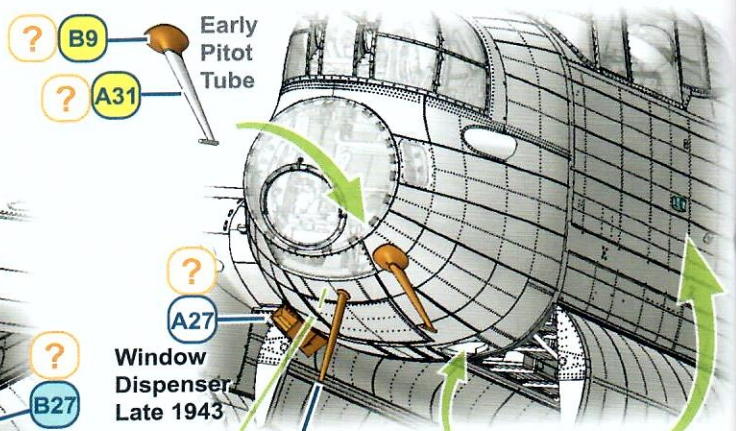
Drift Recorder A1



Rebecca Aerials - mid 1944, replaces Lorenz



Early Pitot Tube B9, A31



Window Dispenser Late 1943

Rigging Mandrel A19

Mandrel Aerial - special airframes only

F24 camera C1-28

F24 camera with cover C1-27

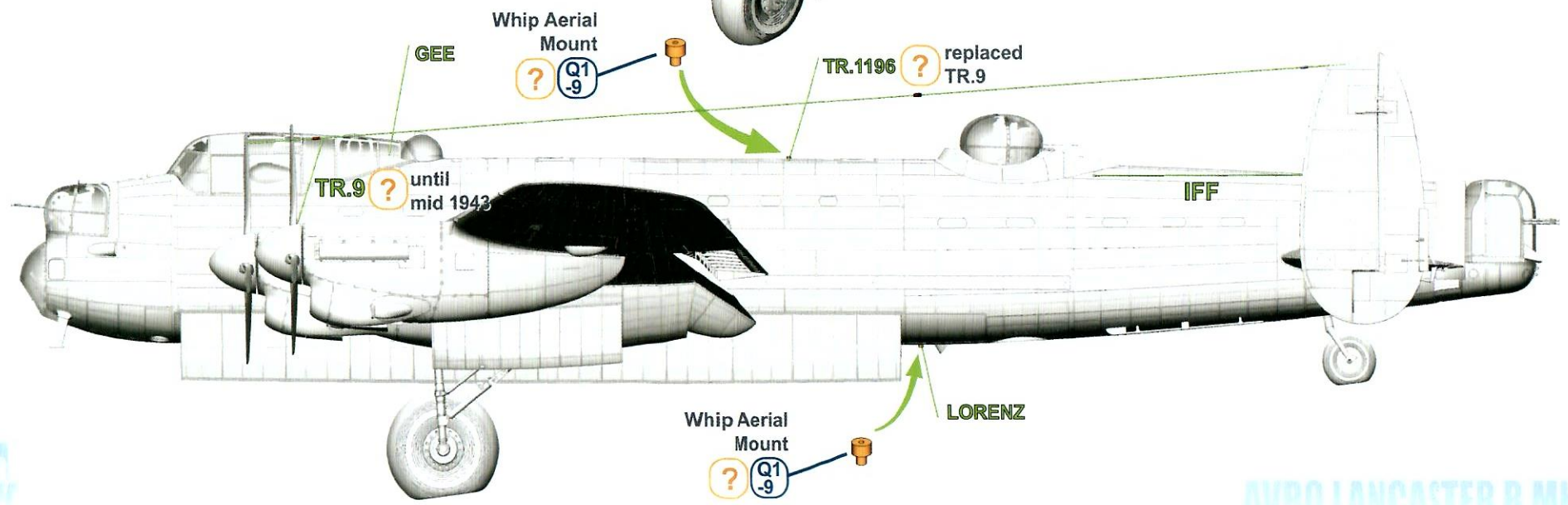
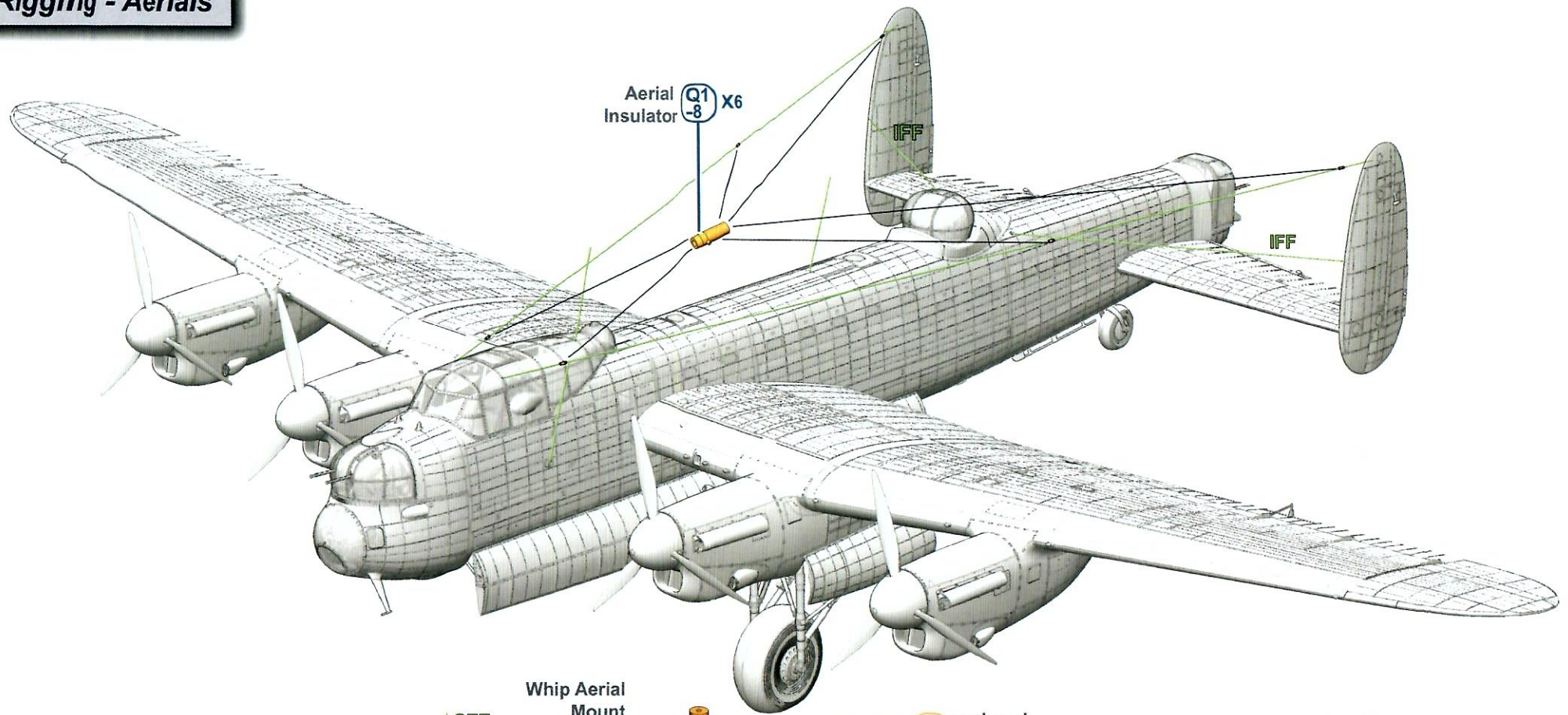
TR9 Aerial Inlet - until mid 1943

Optional External Parts - airframe specific

Late Pitot Tube - mid 1944 A15

Late Trailing Aerial B27

# Rigging - Aerials











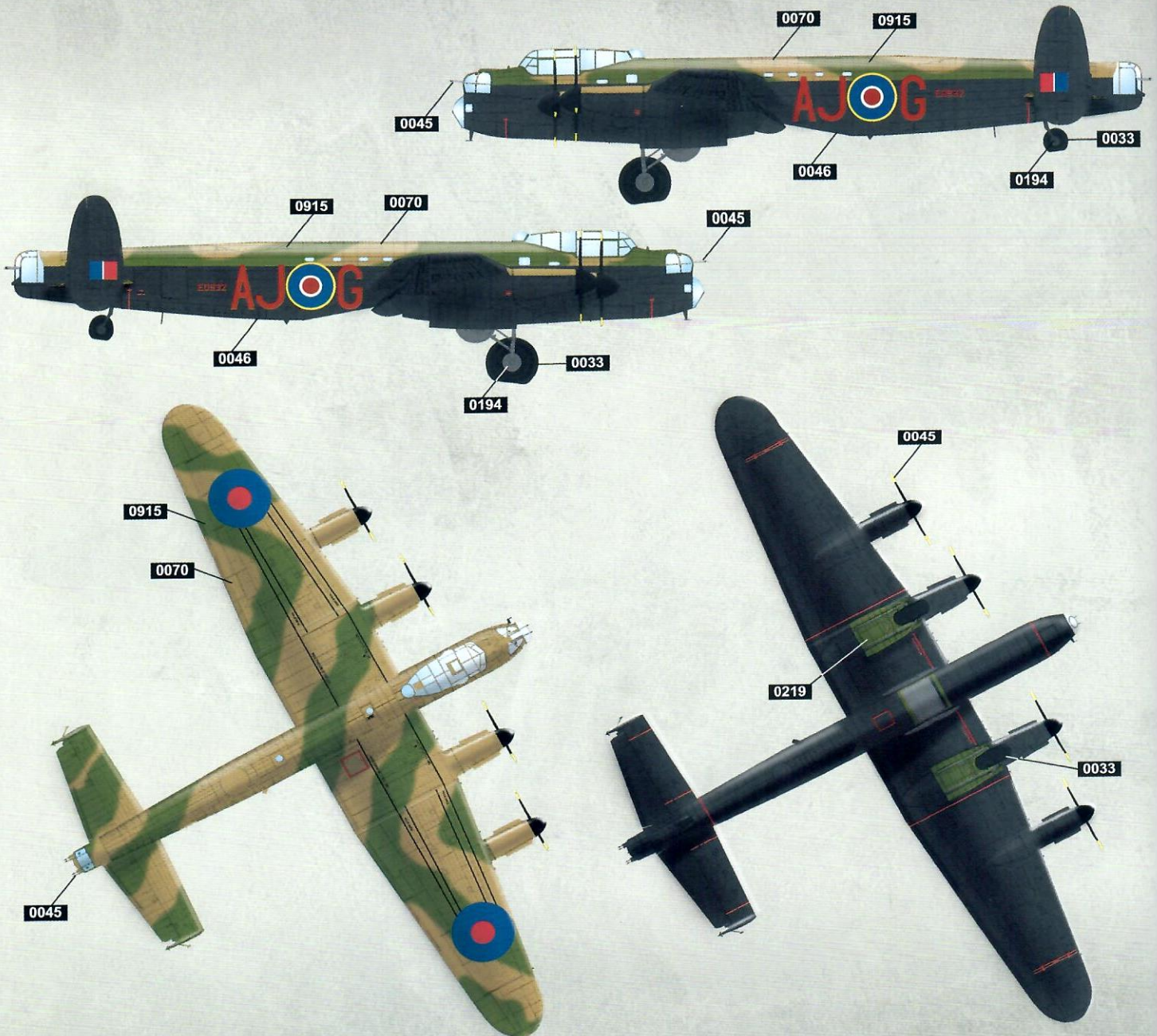
# AVRO LANCASTER

## DAMBUSTER

### PAINTING AND MARKING GUIDE

**BORDER MODEL REF: XXXX LANCASTER B MK.III SPECIAL, ED932, AJ/G, NO. 617 SQUADRON**

- |  |  |  |   |
|--|--|--|---|
|  <b>A.MIG-0033</b> Rubber & Tires                   |  <b>A.MIG-0045</b> Gun Metal      |  <b>A.MIG-0046</b> Matt Black                      |  <b>A.MIG-0125</b> RLM 04 GELB Gold Yellow |
|  <b>A.MIG-0070</b> Medium Brown Dark Earth (BS 450) |  <b>A.MIG-0194</b> Mattu Aluminum |  <b>A.MIG-0219</b> FS 34226 (BS283) Interior Green |  <b>A.MIG-0915</b> Dark Green              |



#### WEATHERING STEPS WITH AMMO PRODUCTS

- |  |   |  |  |
|--|---|--|--|
| <b>1 PANEL LEN WASH</b><br><b>A.MIG-1614</b> PLW Neutral Brown for Green and Brown | <b>3 FUEL STAINS</b><br><b>A.MIG-1801</b> Effects Brusher | <b>5 COCKPIT</b><br><b>A.MIG-3004</b> Europe Earth                       | <b>7 ACRYLIC WASH</b><br><b>A.MIG-0710</b> Neutral Grey for lower surfaces |
| <b>2 PANEL LEN WASH</b><br><b>A.MIG-1615</b> PLW Stone Grey for Black              | <b>4 COCKPIT</b><br><b>A.MIG-1003</b> Interior Wash       | <b>6 ACRYLIC WASH</b><br><b>A.MIG-0705</b> Dark Brown for upper surfaces |  |

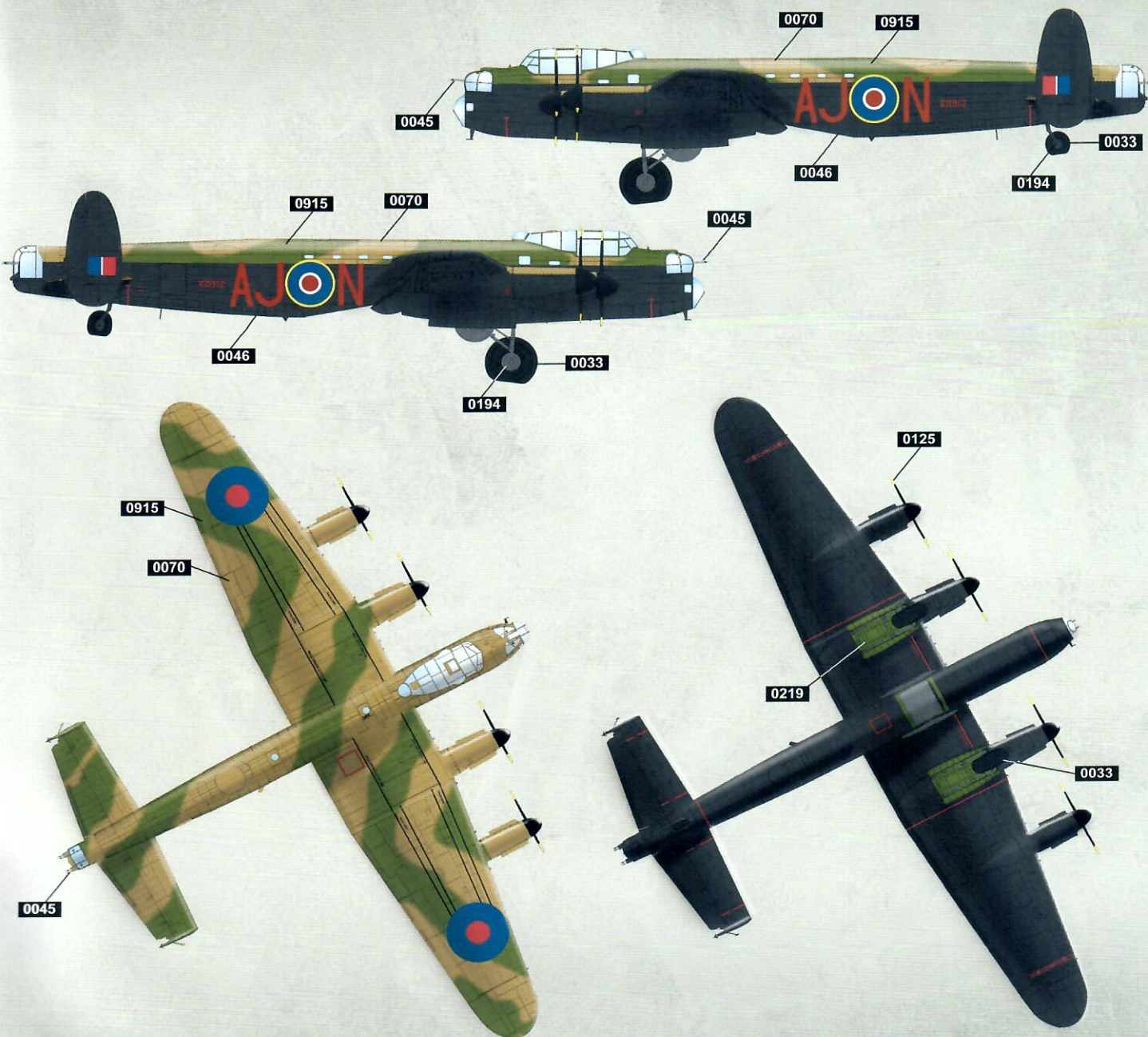
# AVRO LANCASTER

## DAMBUSTER

### PAINTING AND MARKING GUIDE

**BORDER MODEL REF: XXXX LANCASTER B MK.III SPECIAL, ED912, AJ/N, NO. 617 SQUADRON**

- |   |  |   |   |
|---|--|---|---|
|  <b>A.MIG-0033</b> Rubber & Tires                  |  <b>A.MIG-0045</b> Gun Metal      |  <b>A.MIG-0046</b> Matt Black                      |  <b>A.MIG-0125</b> RLM 04 GELB Gold Yellow |
|  <b>A.MIG-0070</b> Medium Brown Dark Earth(BS 450) |  <b>A.MIG-0149</b> Mattu Aluminum |  <b>A.MIG-0219</b> FS 34226 (BS283) Interior Green |  <b>A.MIG-0915</b> Dark Green              |



#### WEATHERING STEPS WITH AMMO PRODUCTS









- |  |   |   |   |
|--|---|---|---|
| <b>1 PANEL LEN WASH</b><br><b>A.MIG-1614</b> PLW Neutral Brown for Green and Brown | <b>3 FUEL STAINS</b><br><b>A.MIG-1801</b> Effects Brush | <b>5 COCKPIT</b><br><b>A.MIG-3004</b> Europe Earth                        | <b>7 ACRYLIC WASH</b><br><b>A.MIG-0710</b> Neutral Grey for lower surfacers |
| <b>2 PANEL LEN WASH</b><br><b>A.MIG-1615</b> PLW Stone Grey for Black              | <b>4 COCKPIT</b><br><b>A.MIG-1003</b> Interior Wash     | <b>6 ACRYLIC WASH</b><br><b>A.MIG-0705</b> Dark Brown for upper surfacers |   |

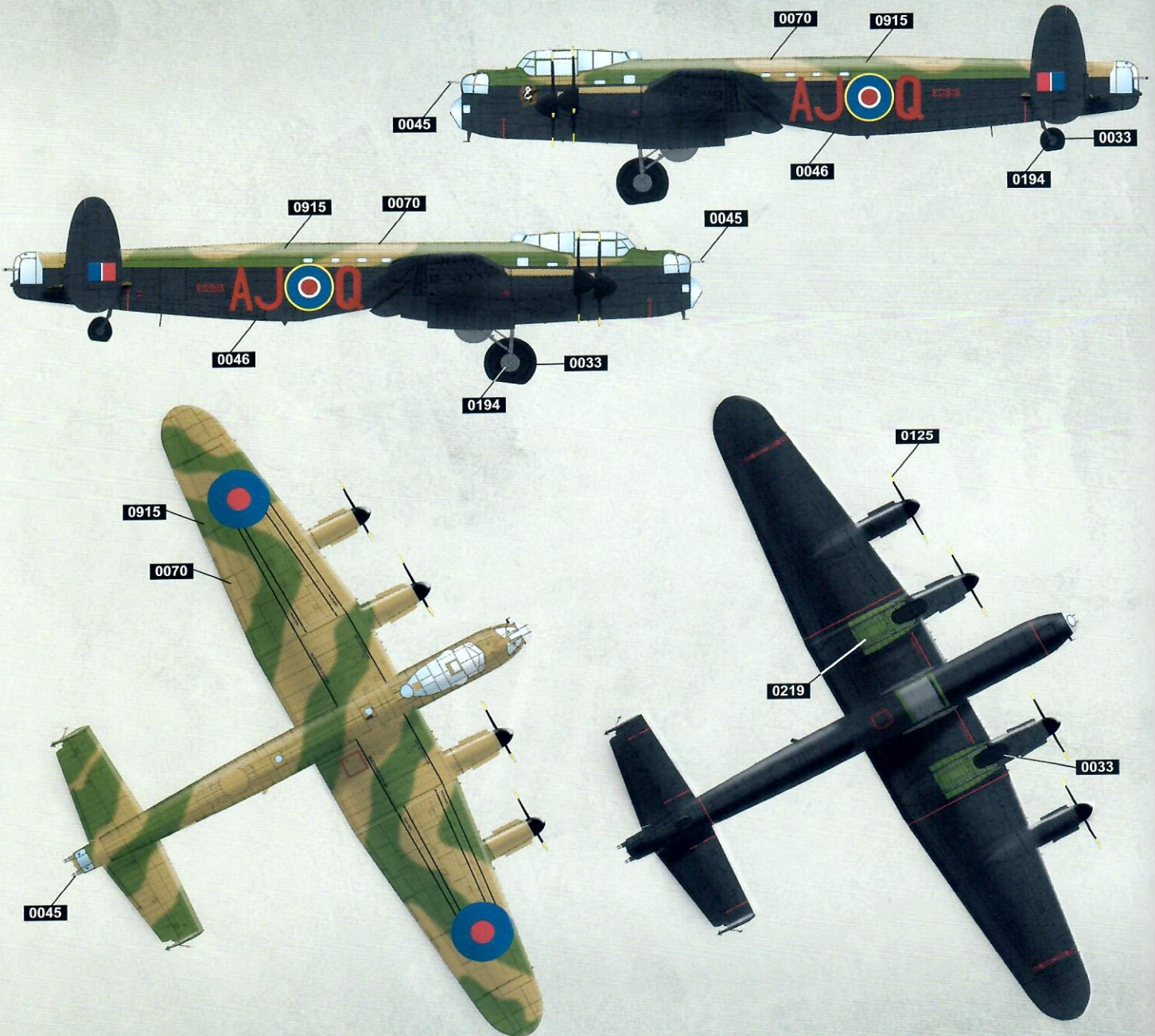
# AVRO LANCASTER

## DAMBUSTER

### PAINTING AND MARKING GUIDE

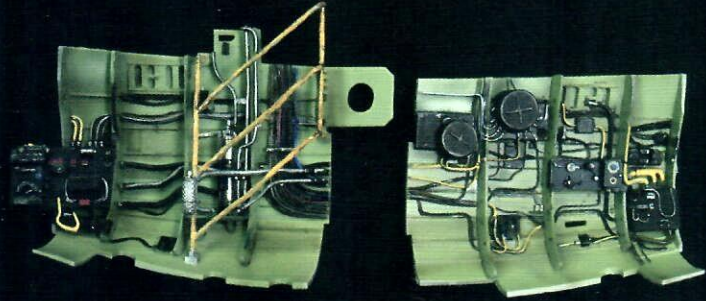
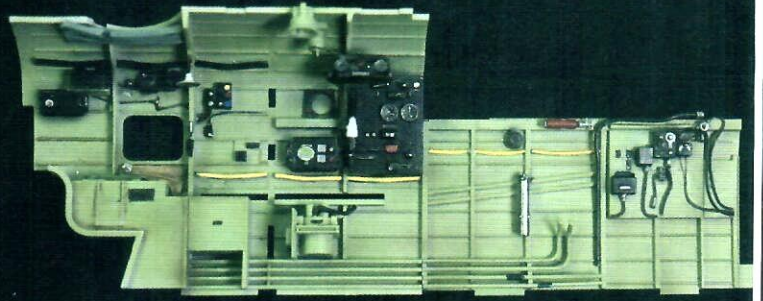
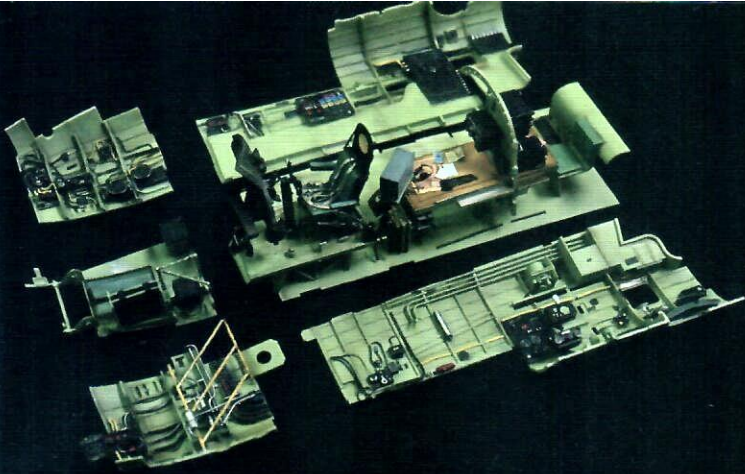
**BORDER MODEL REF: XXXX LANCASTER B MK.III SPECIAL, ED9 15, AJ/Q, NO. 617 SQUADRON**

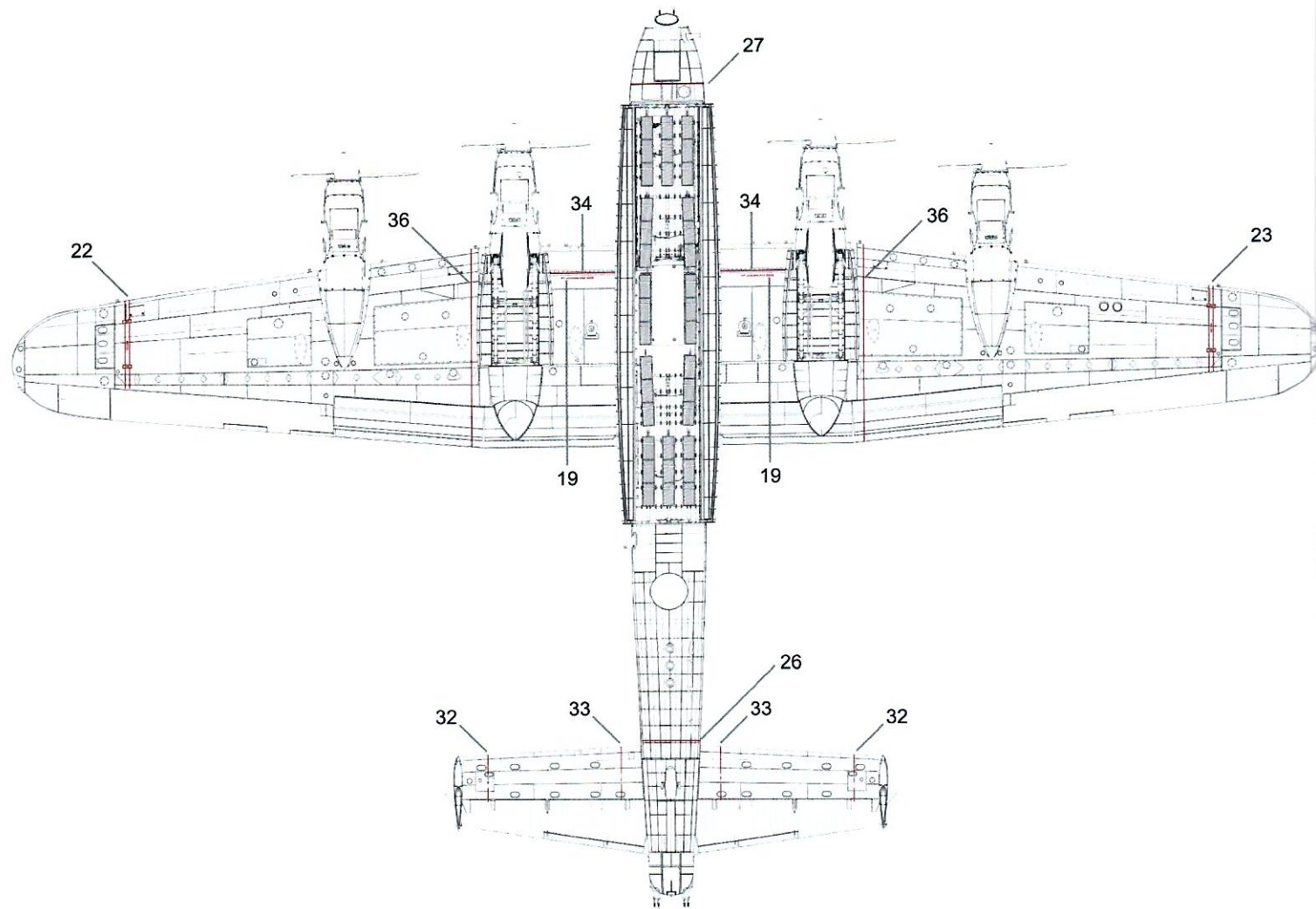
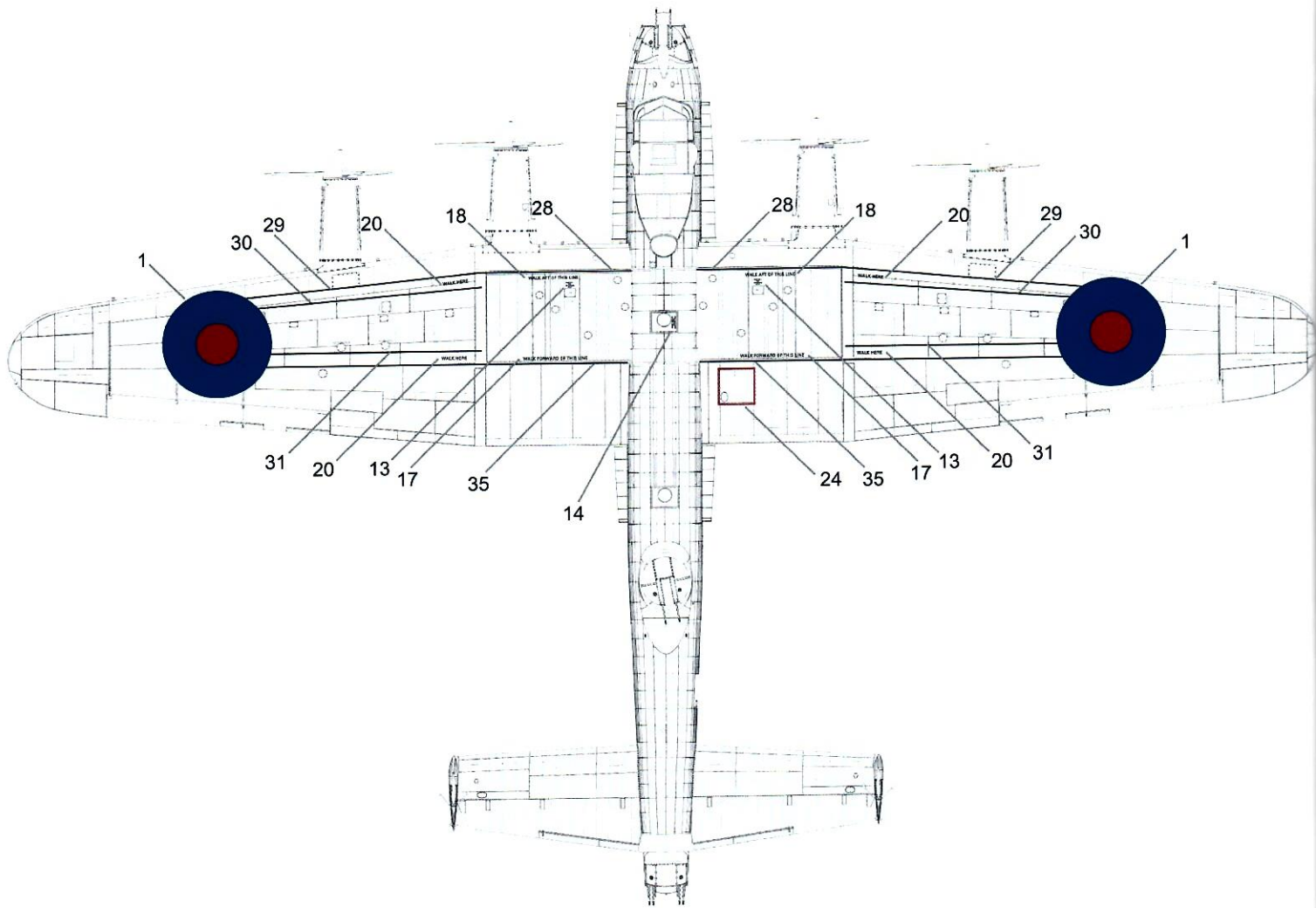
 <b>A.MIG-0033</b> Rubber & Tires	 <b>A.MIG-0045</b> Gun Metal	 <b>A.MIG-0046</b> Matt Black	 <b>A.MIG-0125</b> RLM 04 GELB Gold Yellow
 <b>A.MIG-0070</b> Medium Brown Dark Earth (BS 450)	 <b>A.MIG-0194</b> Mattu Aluminum	 <b>A.MIG-0219</b> FS 34226 (BS283) Interior Green	 <b>A.MIG-0915</b> Dark Green



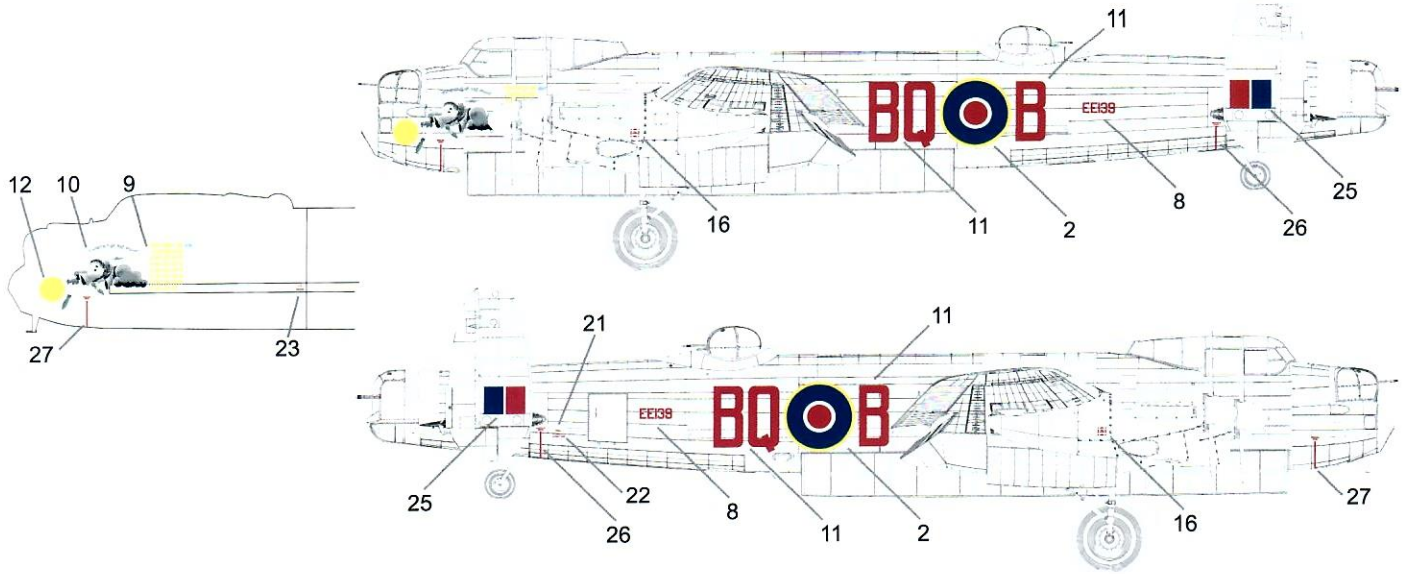
#### WEATHERING STEPS WITH AMMO PRODUCTS

<b>1 PANEL LEN WASH</b> <b>A.MIG-1614</b> PLW Neutral Brown for Green and Brown	<b>3 FUEL STAINS</b> <b>A.MIG-1801</b> Effects Brusher	<b>5 COCKPIT</b> <b>A.MIG-3004</b> Europe Earth	<b>7 ACRYLIC WASH</b> <b>A.MIG-0710</b> Neutral Grey for lower surfaces
<b>2 PANEL LEN WASH</b> <b>A.MIG-1615</b> PLW Stone Grey for Black	<b>4 COCKPIT</b> <b>A.MIG-1003</b> Interior Wash	<b>6 ACRYLIC WASH</b> <b>A.MIG-0705</b> Dark Brown for upper surfaces	

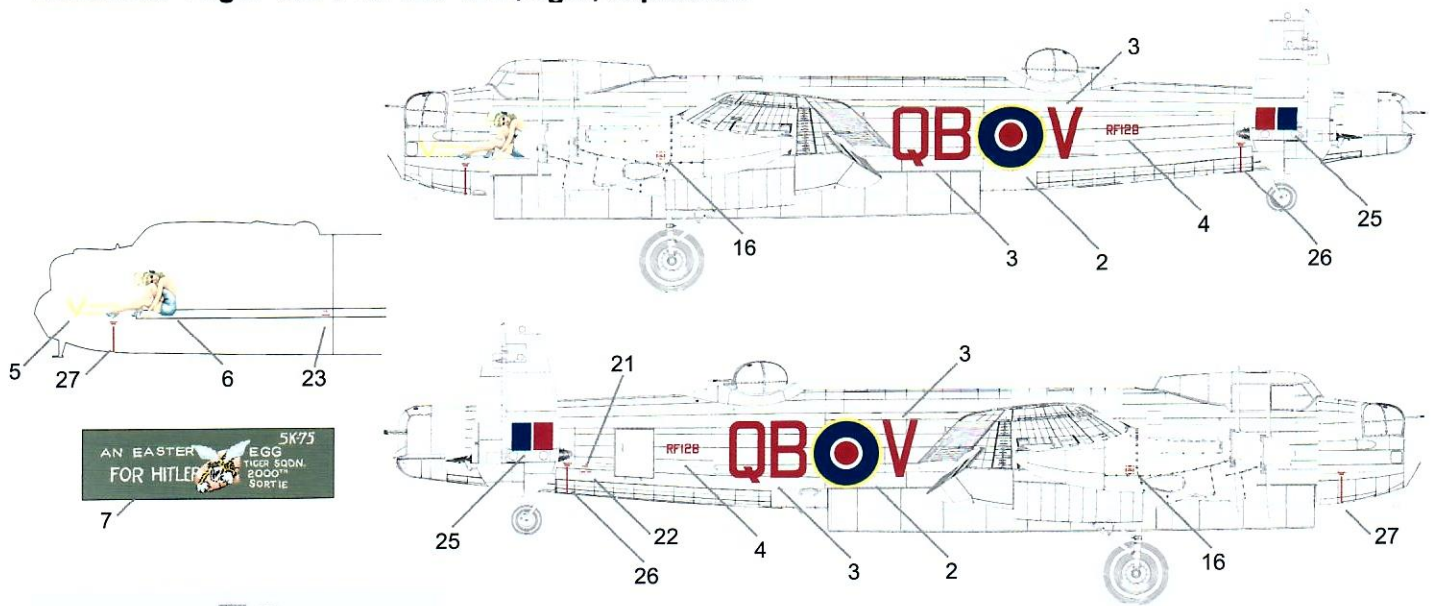




**'Phantom of the Ruhr' BQ-B EE139 100 San Waltham 1944**

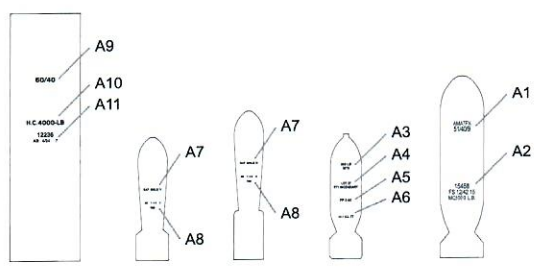
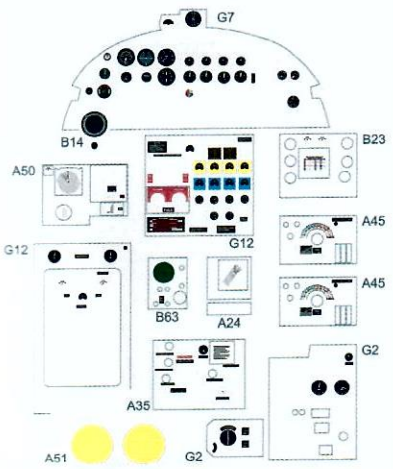


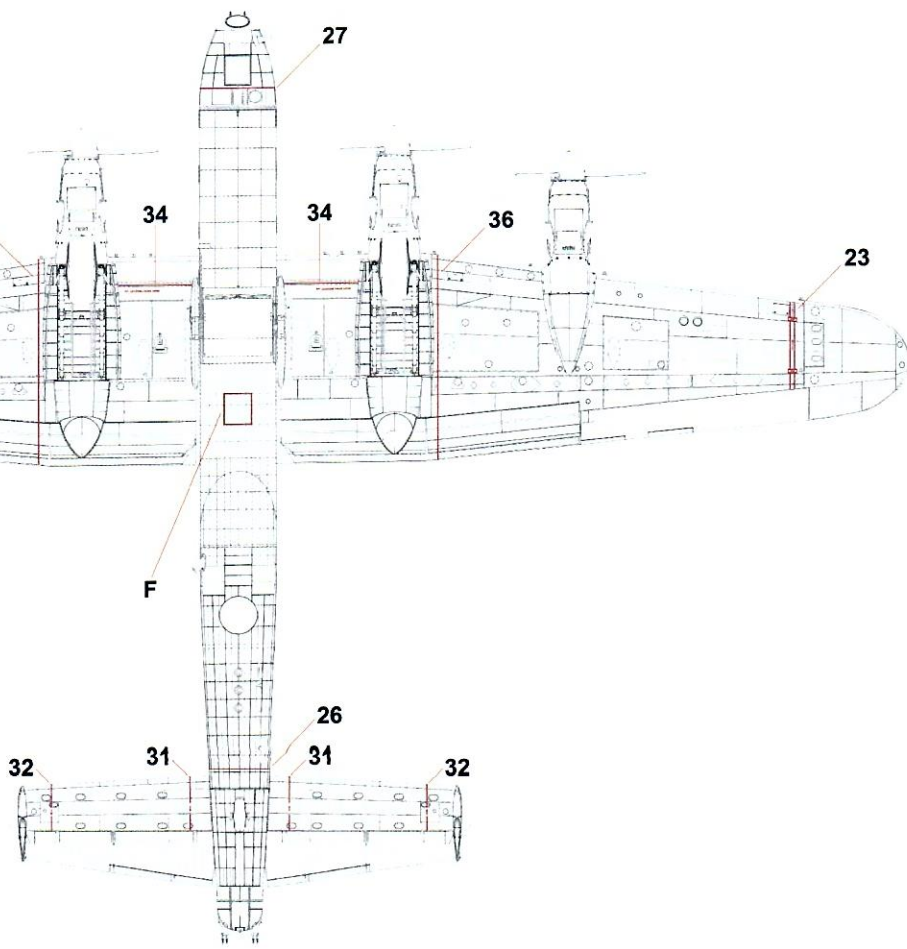
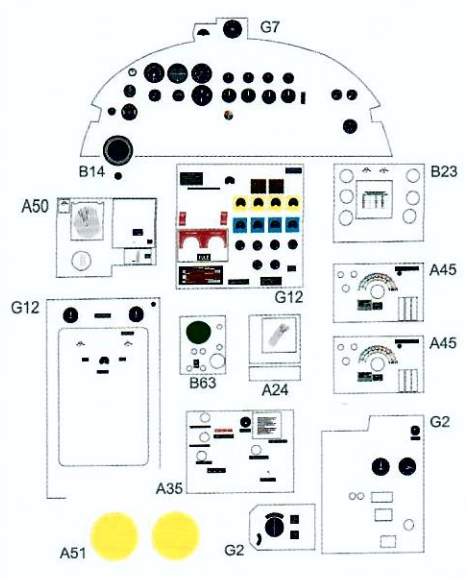
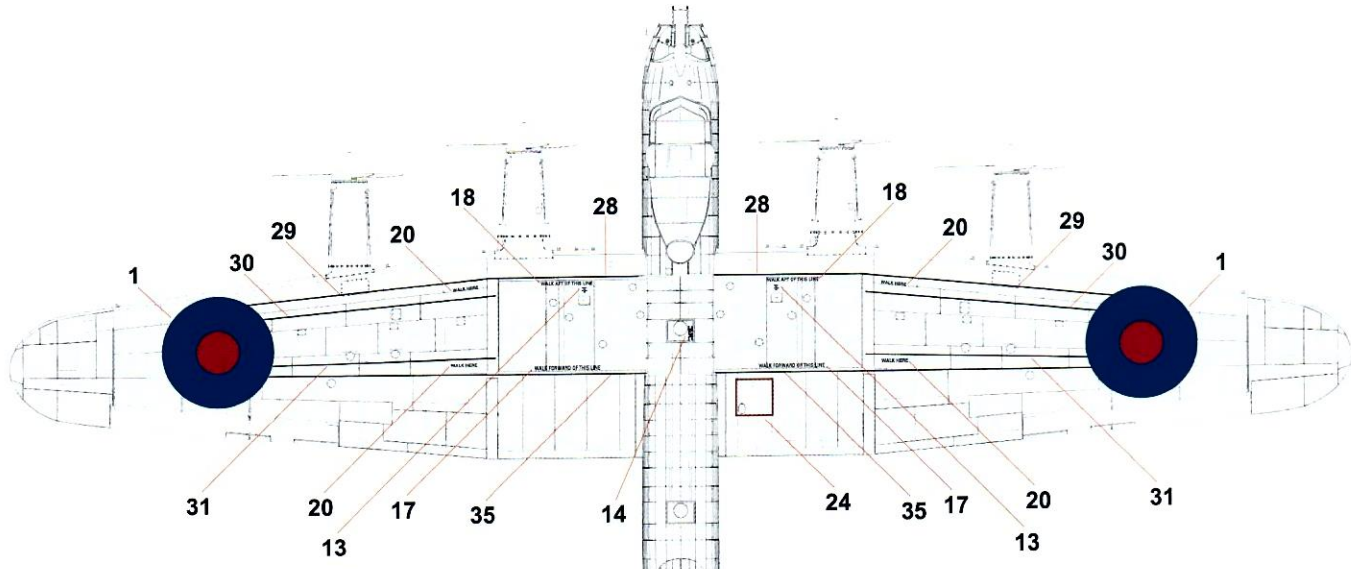
**'Victorious Virgin' QB-V RF128 424 (Tiger) Squadron**

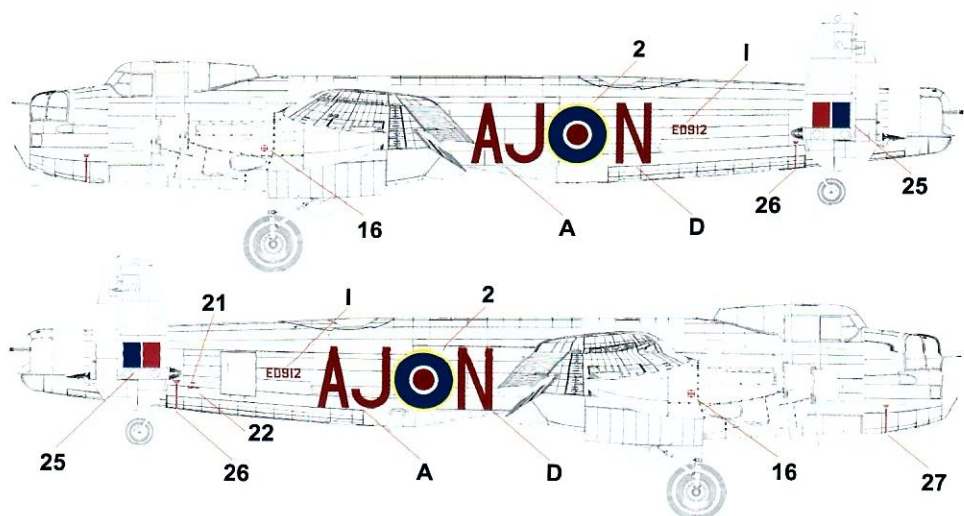
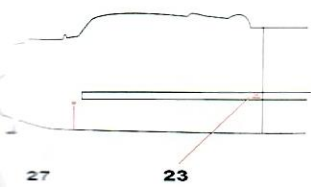
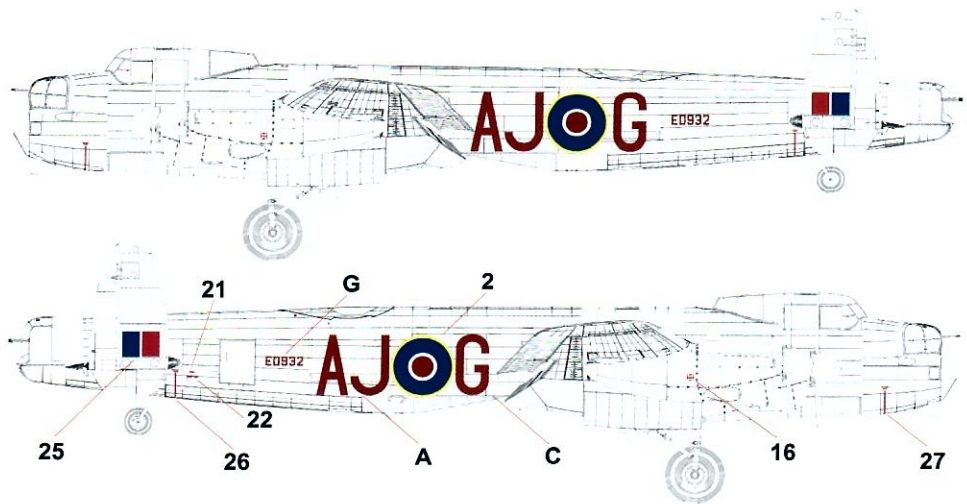
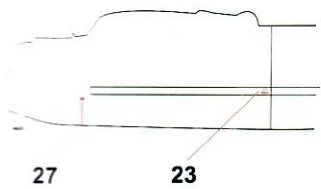
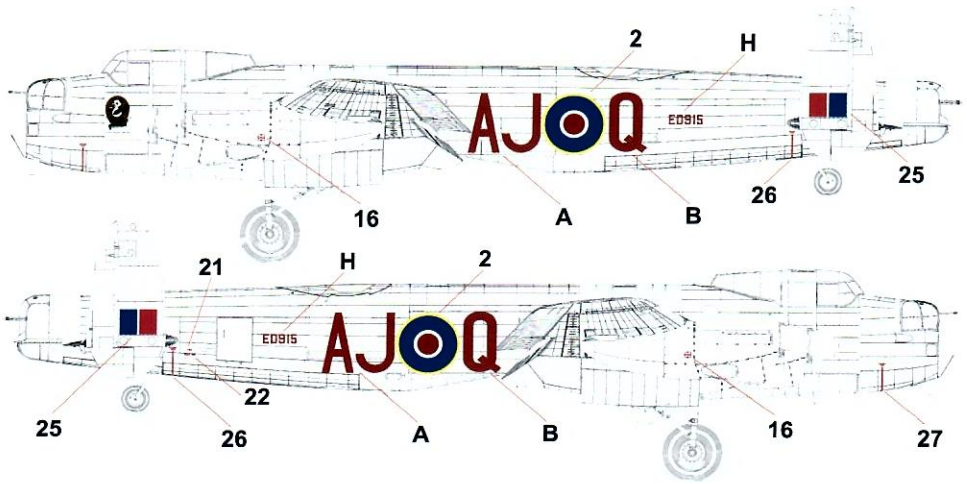
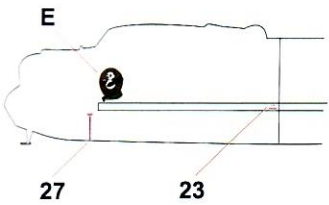


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FOR HITLER

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EGG  
TIGER SQDN.  
2000<sup>th</sup>  
SORTIE







Border



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