

1/48 SCALE L4810 WWII USAAF NORTHROP P-61B

'BLACK WIDOW' LAST SHOOT DOWN 1945

二战美国陆军航空队 诺斯罗普P-61B“黑寡妇”型战斗机 “最后的击坠” 1945

G.W.H.®



The famous Northrop P-61 Black Widow was the first operational U.S. military aircraft designed specifically for night interception.

In Nov 1940, according to the requirements of USAAC, Northrop began comprehensive design work on an aircraft which was to become the world's first dedicated night fighter. On 11th January 1941, the USAAF ordered two prototypes named XP-61 for flight testing. On 10th March, 13 YP-61s were ordered for Operational Suitability Tests. The P-61 was about the same size as a medium bomber and had a peculiar appearance: A long fuselage gondola built between two engine nacelles and tail booms. It was equipped with Pratt & Whitney R-2800-10 Double Wasp 18-cylinder radial engines, producing 2,000 hp (1,491 kW) each. At the end of the booms there were two vertical fins connected by a horizontal tailplane. The fuselage housed the radar at the front, a three-man crew, and the weapons system. The aircraft was armed with four 20mm M2 cannons and four .50cal (12.7 mm) M2 Browning machine guns. 2900 kg bombs could be loaded as well to accomplished missions such as interception, bombing, and scouting.

P-61编号“黑寡妇”，是美国诺斯罗普公司研制的著名战斗机，也是世界上第一种实用的夜间型战斗机。

1940年11月，根据美国陆航的要求，诺斯罗普飞机公司提出的一个夜间战斗机计划获得了通过，并开始实施。1941年1月11日，陆航订购了两架XP-61原型机，紧接着于同年3月10日又订购13架YP-61作战适用性试验机。作为第一款夜间战斗机，P-61尺寸相当于中型轰炸机，外形结构奇特，机翼上两台2000马力R-2800“黄蜂”发动机向后延伸构成双后机身，尾端是双垂尾由中间安装的水平尾翼连接，中央机舱有机头雷达、驾驶舱和末端的射击员舱。武器装备有4门机炮和4挺机枪，还可携带2900千克炸弹，能完成截击，轰炸和侦察任务。虽然P-61投入现役已经是二战末期，但是它的身影却活跃在欧洲、地中海、太平洋、中国和印度。战争中的P-61夜间战斗机中队共击落了127架敌军飞机和18枚V1型火箭。

Once the Black Widow did get into action in late WWII, it was successful against a variety of targets in the European, Mediterranean, Pacific Theater, and Chinese Theater of Operations. The combat successes of P-61 NFS included 127 enemy fighter planes and bombers, and 18 V-1 buzz bombs. Until the end of WWII, Northrop produced 706 aircraft of the P-61 series. There are only 2 aircrafts preserved: one is in National Museum US Air Force in Dayton, Ohio, USA and one is located in the China Aviation Museum in Beijing, China.

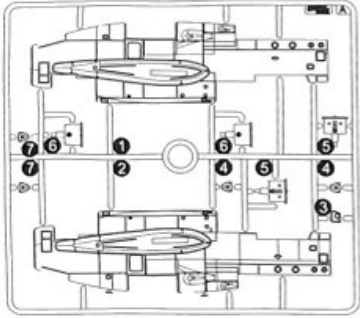
In the box art you can find a P-61B-2 named "Lady in the Dark" (s/n 42-39408) of the 548th NFS. The aircraft piloted by Lt. Robert W. Clyde and R/O Lt. Bruce K. LeFord on 14 August/15 August 1945 claimed a Nakajima Ki-44 "Tojo." It should be noted, though, that the destruction of the "Tojo" came without a shot being fired. After the pilot of the "Tojo" sighted the attacking P-61, he descended to wave-top level and began a series of evasive maneuvers which ended with his aircraft striking the water and exploding. The same P-61 had a similar incident the next day, after the official end of hostilities.

到战争结束时，诺斯罗普公司一共生产了706架飞机，目前世界上仅存有两架，一架收藏在美国俄亥俄州代顿的美国空军博物馆，另一架在中国的北京航空学院。

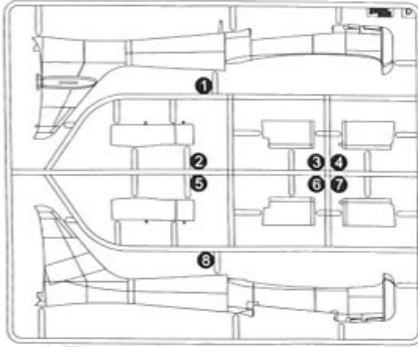
封绘编号239408是一架隶属于第548夜间战斗机中队被命名为“黑暗中的女士”的P-61B-2战机。机组成员是驾驶员Robert W. Clyde中尉和雷达操作员Bruce K. LeFord中尉。在1945年8月14日/15日声称击落一架日军中岛二式战斗机“Tojo”。但必须注意的是二式战斗机坠毁前未发一炮，该机飞行员发现P-61后，就下降到海平面高度并试图开始一连串的规避动作，但因高度太低导致撞击海面引发爆炸。因此官方始终没有确认Robert W. Clyde中尉和Bruce K. LeFord中尉的这一可能是二战最后的击落敌机的战果。该机在第二天，即战争正式结束后，竟然发生同样的事故。

零件表 PARTS LIST パーツリスト

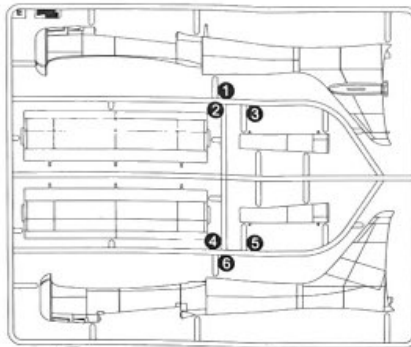
A PARTS×1



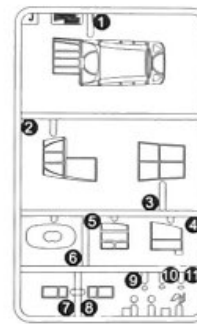
D PARTS×1



E PARTS×1



J PARTS×1



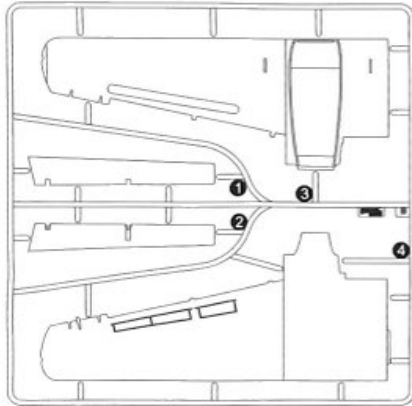
K PARTS×1



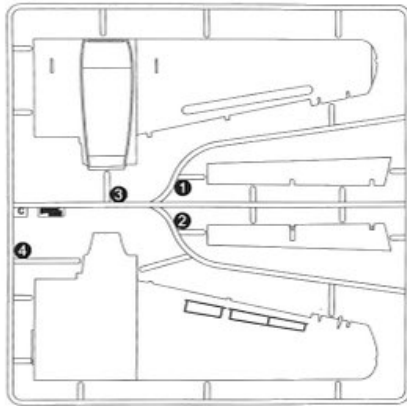
N PARTS×2



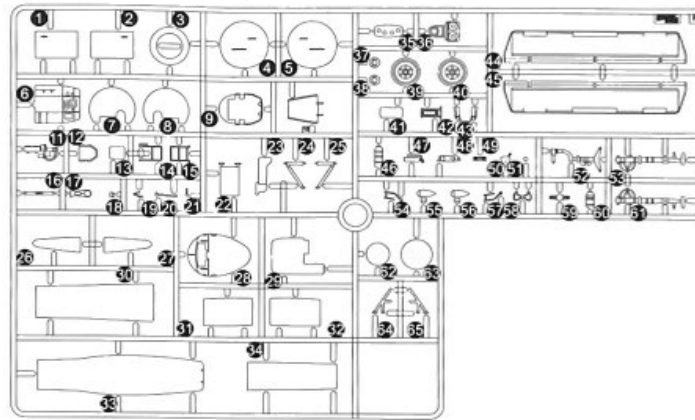
B PARTS×1



C PARTS×1



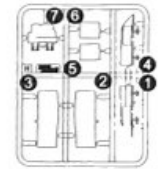
F PARTS×1



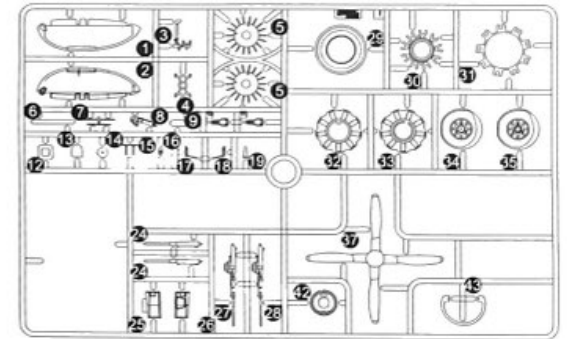
M PARTS×2



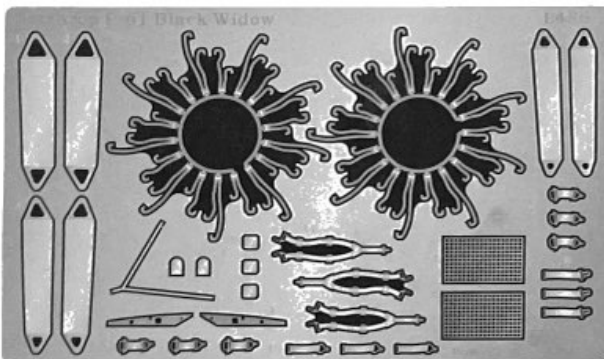
H PARTS×1



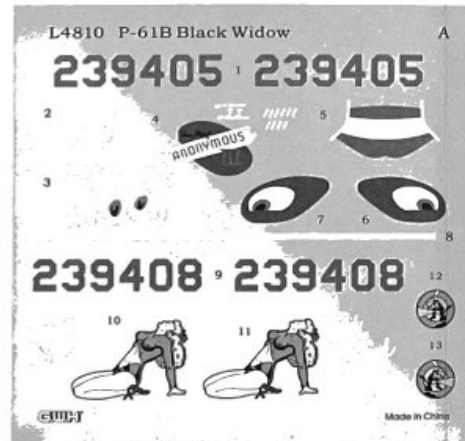
I PARTS×2



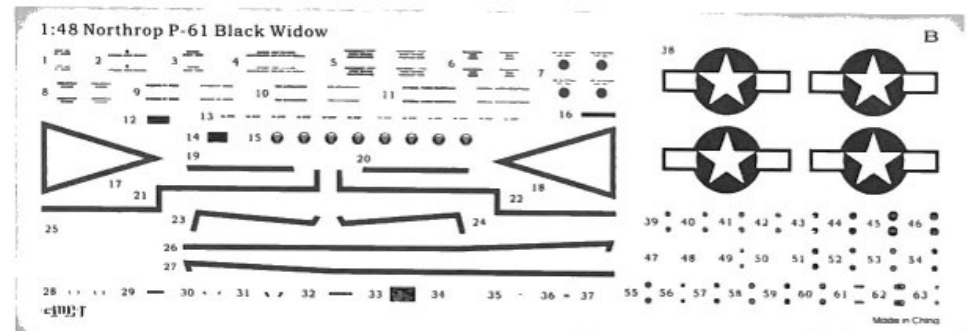
PE PARTS×1



DE A PARTS×1



B PARTS×1



G.W.H.

注意事項 CAUTION 組み立てのご注意

- (1) 勿子近火处使用胶水或油漆, 并打开窗户保持空气流通。
- (2) 涂料的号码请参考本栏以下的说明。本品本身不包括胶水和涂料。
- (3) 自板件中取出部件时, 应用模型专用剪, 并用介刀或小锉除去多余胶料。
- (4) 各图形的含义可参考本栏以下说明。

- (1) When you use glue or paint, do not use near a open flame, and use in a well-ventilated room
- (2) See below for the color list. Glue and paint are not included in the kit.
- (3) When you take parts off the runner frame, use the modeling scissors and trim excess plastic with a cutter or a file
- (4) See below for the meaning of symbols

- (1) 接着剂や塗料は火の近くで使わないで下さい。使用の際は換気をよくして下さい。
- (2) 塗料指定のは下記のとおりです。接着剂や塗料は入っていませんので別に求めて下さい。
- (3) 部品のランナーから切り離す時は模型用ハサミ等を使い、余分な部分はカッターやヤスリ等で仕上げして下さい。
- (4) 組立図のサインマークは下の説明を御覧下さい。

图形含义 CAUTION マーク

填平 FILL HOLE 穴を埋めて下さい	水印粘紙 APPLY DECAL デカールを貼って下さい	切除 CUT OFF 切り取って下さい	配重块 COUNTER WEIGHT 重り	制作两组 MAKE TWO SET 2個作って下さい	另一例相同制作 DO THE SAME ON THE OPPOSITE 反対側も取り付けます
胶水 CEMENT 接着して下さい	钻孔 OPEN HOLE 穴を開けて下さい	选择使用 OPTIONAL どちらを選んで下さい	不用胶水 NO CEMENT 接着しないで下さい	注意 BE CAREFUL 注意して下さい	瞬間胶 INSTANT GLUE FOR METAL 瞬間接着剂 (金属用)

所使用工具 RECOMMENDED TOOLS 専用工具

塑胶件用模型胶水 Cement プラスチック用接着剂	模型用剪钳 Side cutters 模型用ニッパー	模型用镊子 Tweezers ピンセット
模型用瞬間胶水 Instant Cement 瞬間接着剂	模型用刻刀 Modeling knife 模型用ナイフ	模型用锉刀 Diamond file 模型用ヤスリ

水贴纸使用说明 DECAL APPLICATION スライドマークの貼り方

- (1) 用模型剪刀或刻刀切下所需的图案部分。
- (2) 将水贴纸浸泡在温水中10秒左右取出放置于戏水的干布上。
- (3) 手拿替水贴纸基的一角, 用模型镊子小心夹住浮起的水贴图案移至模型表面准确位置。
- (4) 用手指适当沾水均匀涂于水贴图案表面, 使其延展移动至精确位置。
- (5) 用柔软吸水的干布将水贴图案中的气泡向一边挤出, 使水贴在模型表面保持平整。

- (1) Cut off decal from sheet.
- (2) Dip the decal in tepid water for about 10 sec. and place on a clean cloth.
- (3) Hold the backing sheet edge and slide decal onto the model.
- (4) Move decal into position by wetting decal with finger.
- (5) Press decal down gently with a soft cloth until excess water and air bubbles are gone.

- (1) 貼りたいマークをハサミで切り抜きます。
- (2) マークをぬるま湯に10秒ほど浸してからタオル等の布の上に置きます。
- (3) 台紙のはしを手で持ち、貼るところにマークをスライドさせてモデルに移して下さい。
- (4) 指に少し水を付けてマークを濡らしながら、正しい位置にずらしします。
- (5) 柔らかな布でマークの内側の気泡を押し出しながら、押しつけるようにして水分をとります。

蚀刻片使用说明 PHOTO-ETCHED PARTS エッチングパーツ

- (1) 使用蚀刻片专用剪刀或模型专用刻刀将蚀刻片零件切割下待用。
 - (2) 切割下的零件上有蚀刻片的残留连接点部分, 使用模型专用锉刀细心打磨干净。
 - (3) 蚀刻片部分在涂装之前必须使用专用的模型金属底漆打底。
- 注意事项: 蚀刻片很薄外延较为尖锐, 有刮伤手的可能, 在使用之时请务必小心。

- (1) Cut off photo-etched parts using a modeling knife.
- (2) Carefully remove any excess using a file.
- (3) Apply metal primer prior to painting. Attention, please: Extra care should be taken to avoid personal injury when handling photo-etched parts.

- (1) 切り離す時はカッターナイフを使用してパーツを切り離します。
 - (2) 切り出した時、部品に出張った部品が残っている場合は、ヤスリなどで丁寧に削り落とします。
 - (3) 塗装が必要なパーツは下地にメタルプライマーを吹き付けてから塗装します。
- ご注意 エッチングパーツは大変薄く、手などを切り恐れがあります。取扱いには十分注意して下さい。

涂装色表 PAINT REQUIRED カラー番号リスト

C1000 GSI CREOS CORP. HOBBY COLOUR

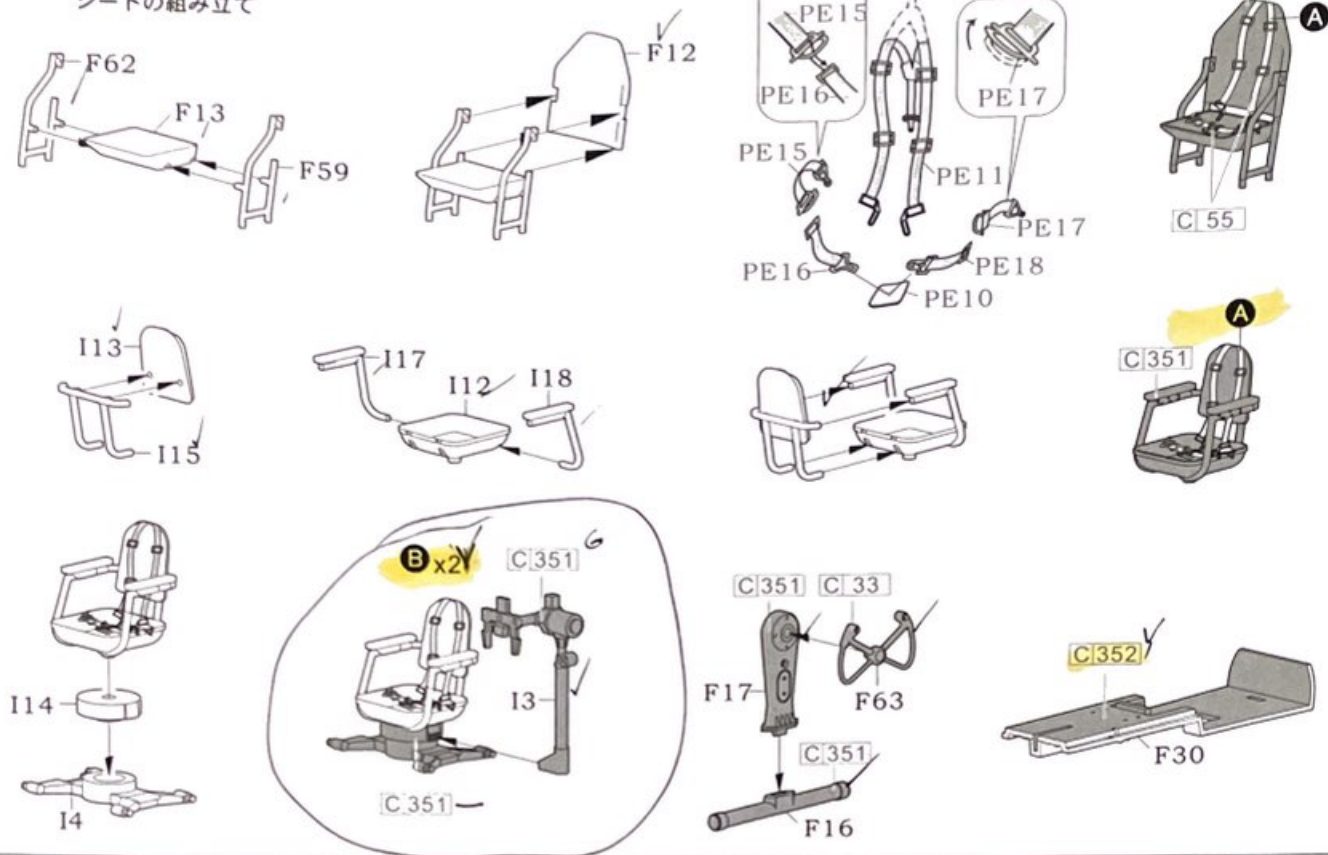
C 3	红色	Red	C 4	黄色	Yellow
C 8	银色	Silver	C 12	橄欖褐	Olive Drab
C 13	中灰	Neutral Gray	C 28	黑铁色	Steel
C 33	哑黑色	Flat Black	C 47	透明红色	Clear Red
C 55	卡其色	Khaki	C 61	烧铁色	Burnt Iron
C 78	金属黑	Metal Black	C 92	半光黑	Semi Gloss Black
C 137	轮胎黑	Tire Black	C 138	透明绿色	Clear Green
C 316	白色	White	C 339	引擎灰色	Engine Gray
C 340	原野绿	Field Green	C 351	71.016 美军机内绿色	Zinc-Chromate Type I
C 352	71.107 美军机内黄色	Chromate Yellow Primer			

1

座椅组装

Seat Assembly

シートの組み立て

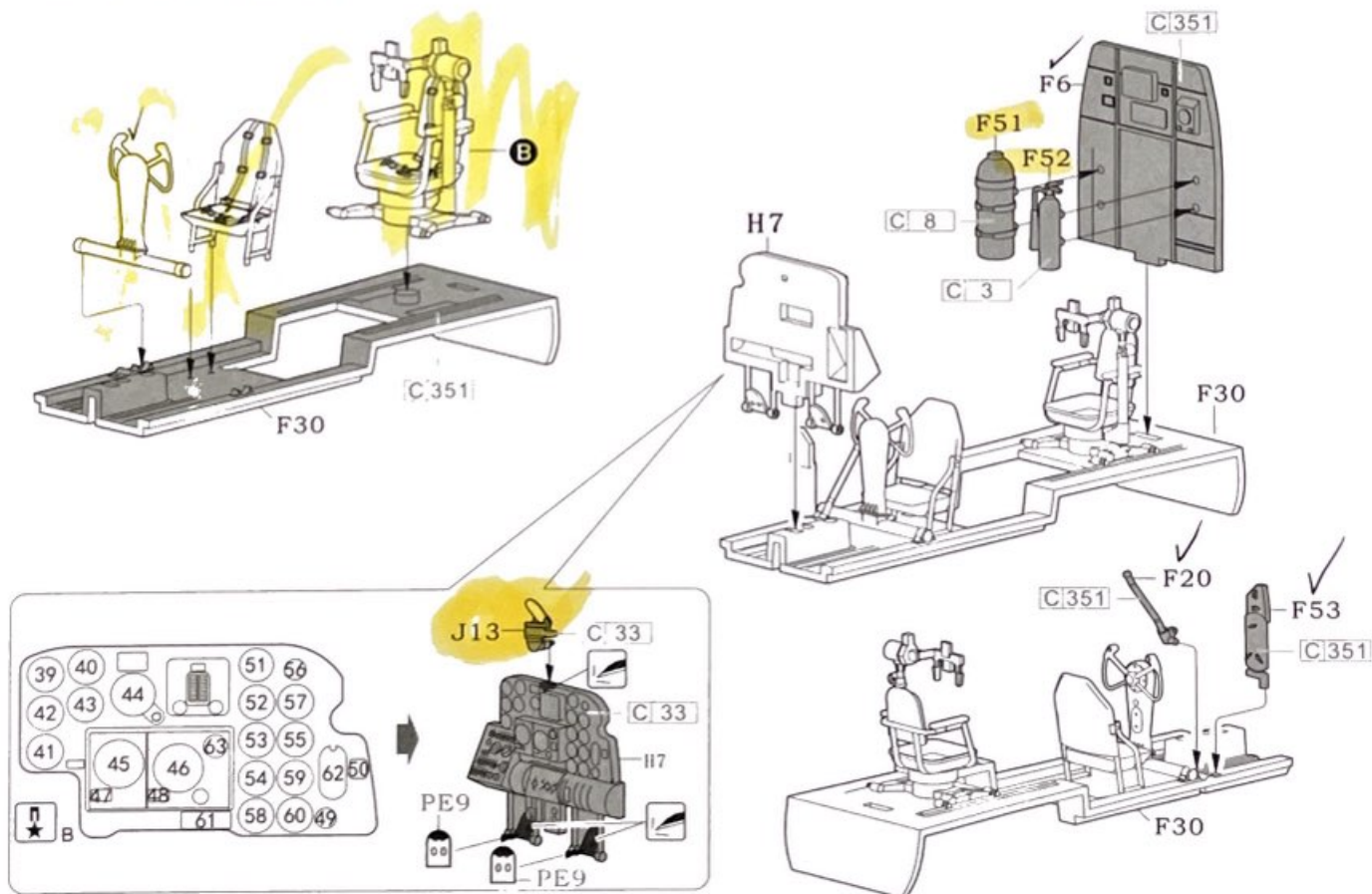


2

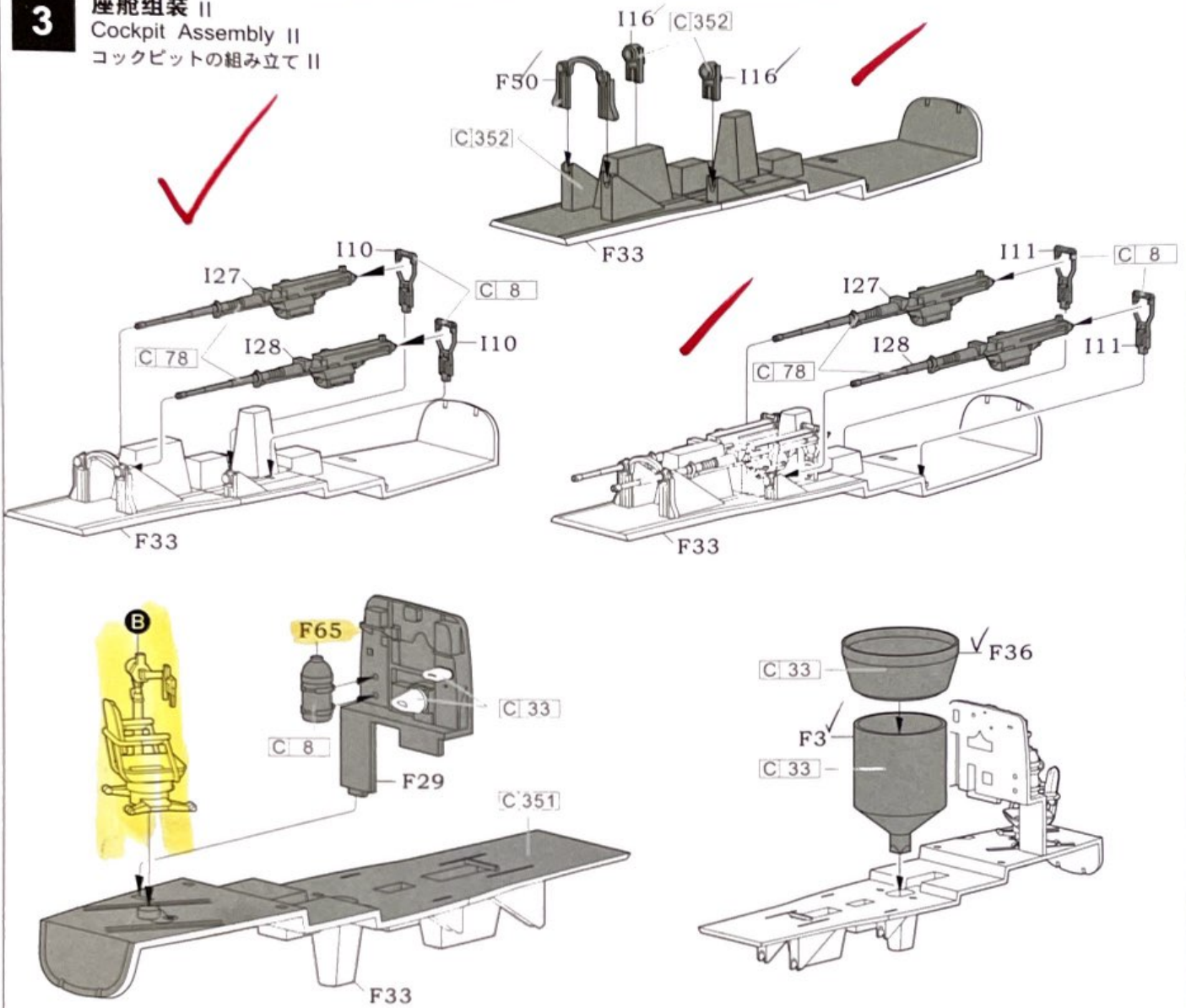
座舱组装

Cockpit Assembly

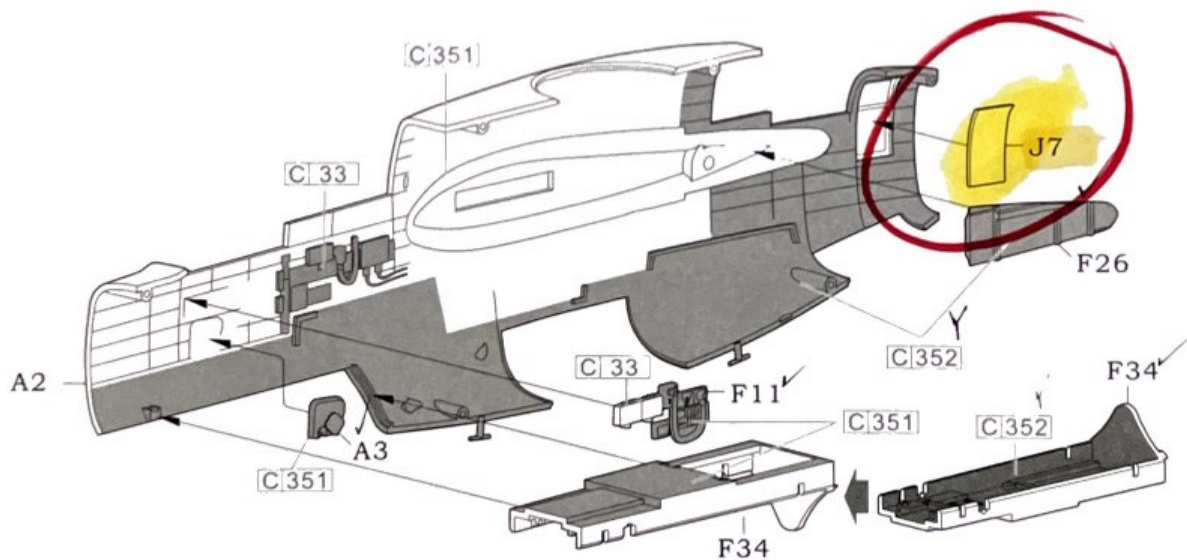
コックピットの組み立て



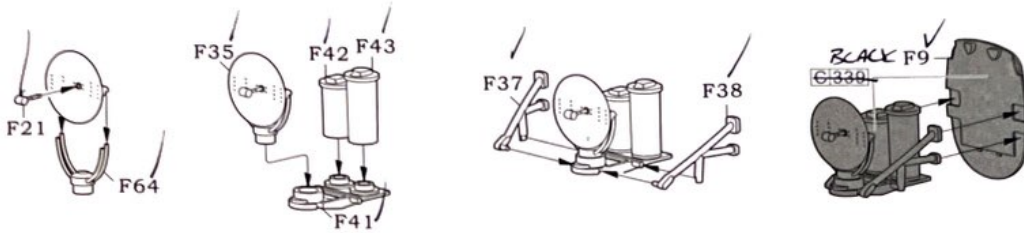
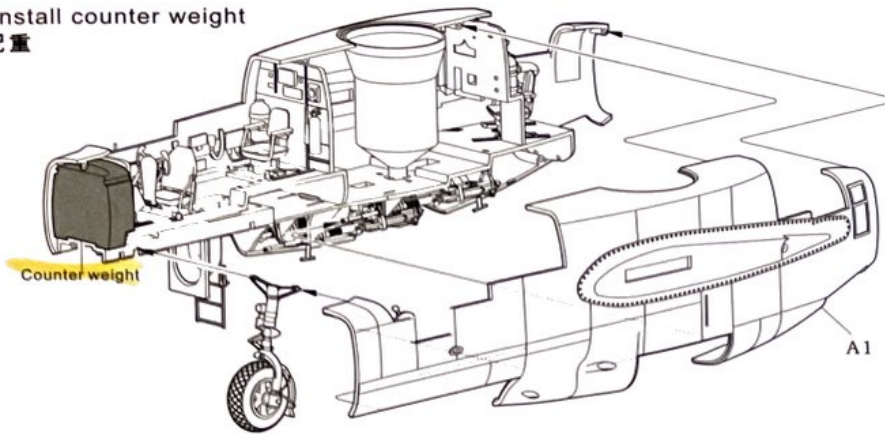
3 座舱组装 II
Cockpit Assembly II
コックピットの組み立て II



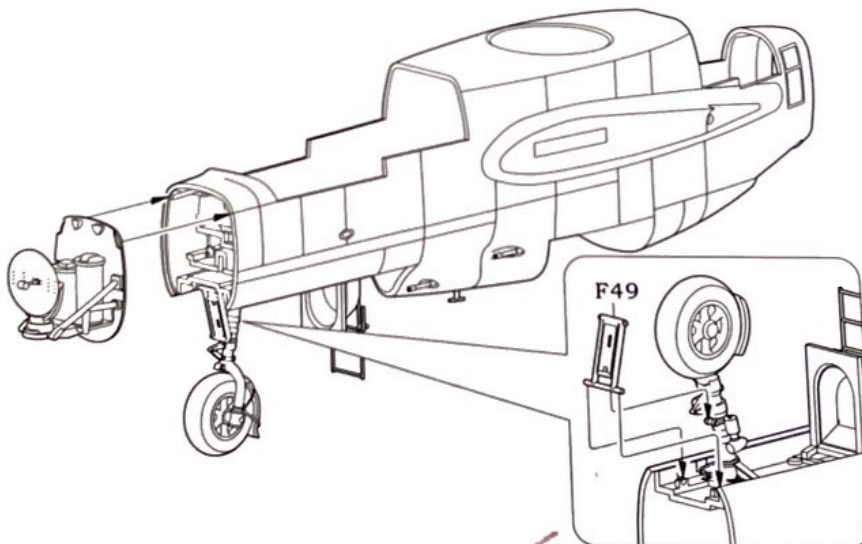
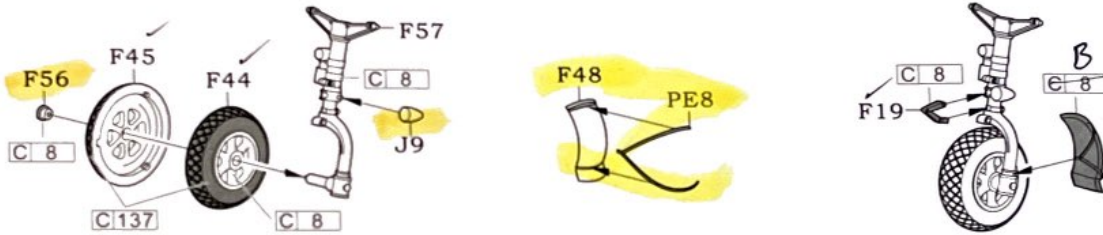
4 前机身组装
Forward Fuselage Assembly
機首の組み立て



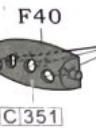
Please install counter weight
 请使用配重



5 起落架组装
 Landing Gear Assembly
 脚部の組み立て

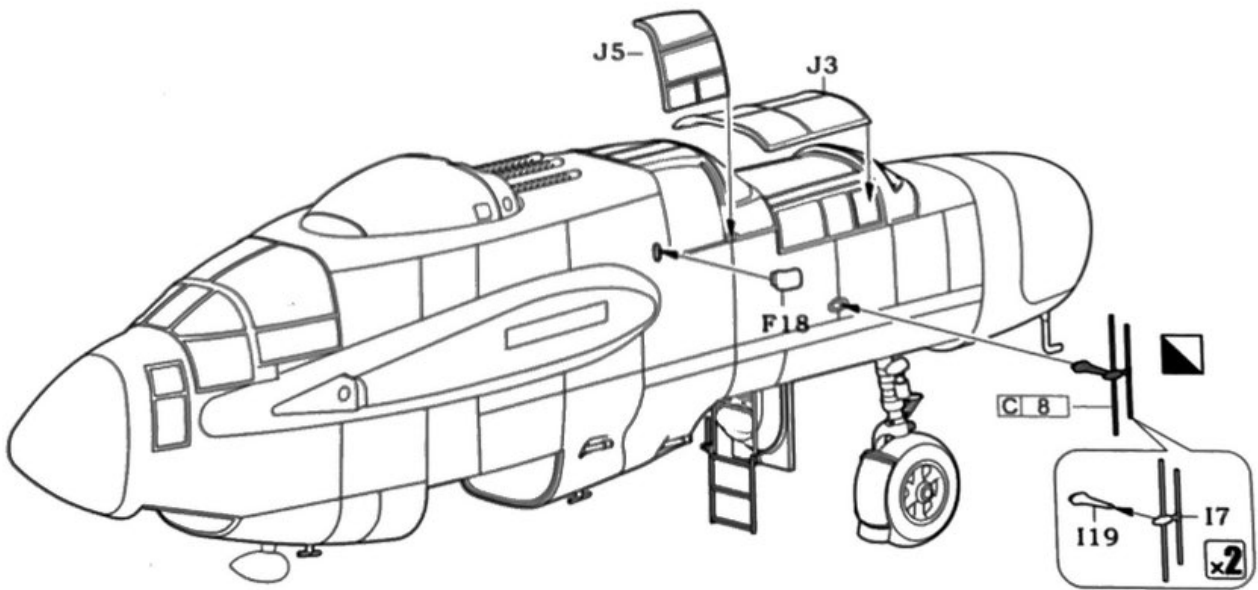
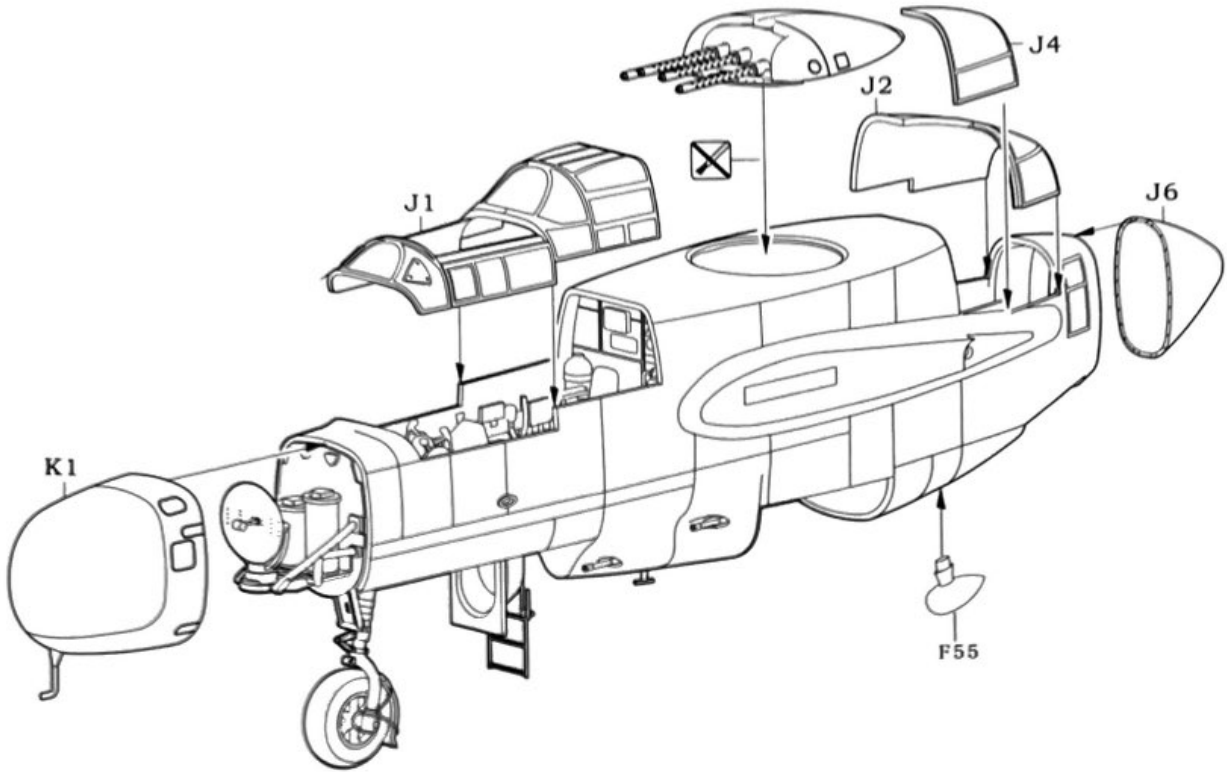
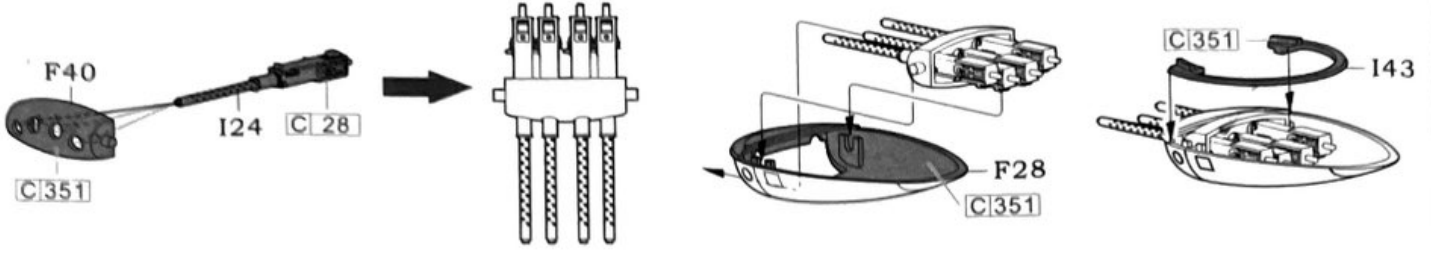


6 座舱
 Ca
 キヤ



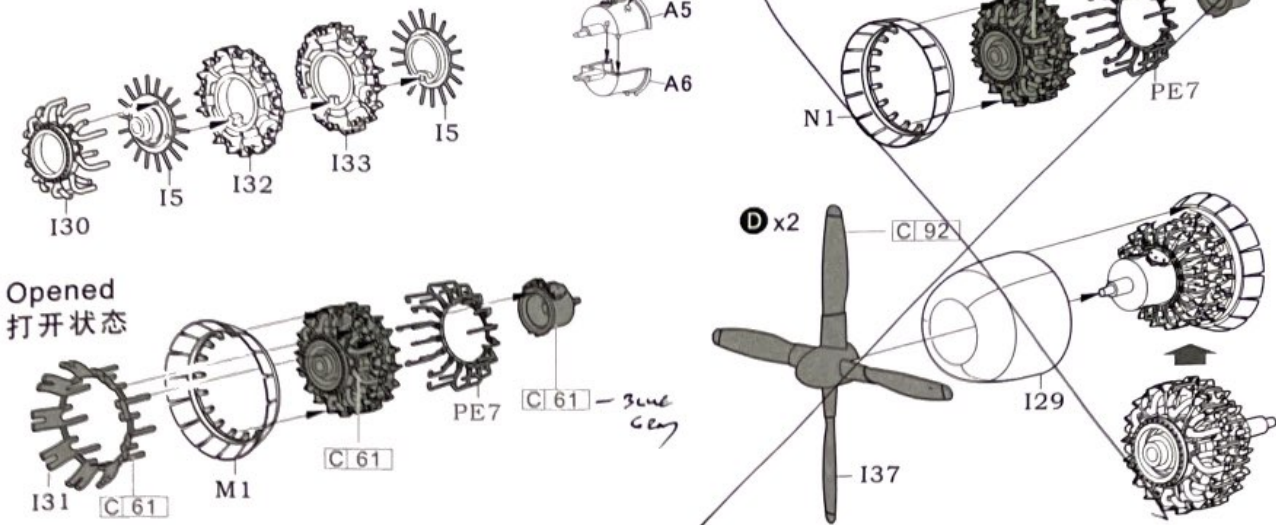
6

座舱舱盖组装
Canopy Assembly
キャノピーの組み立て



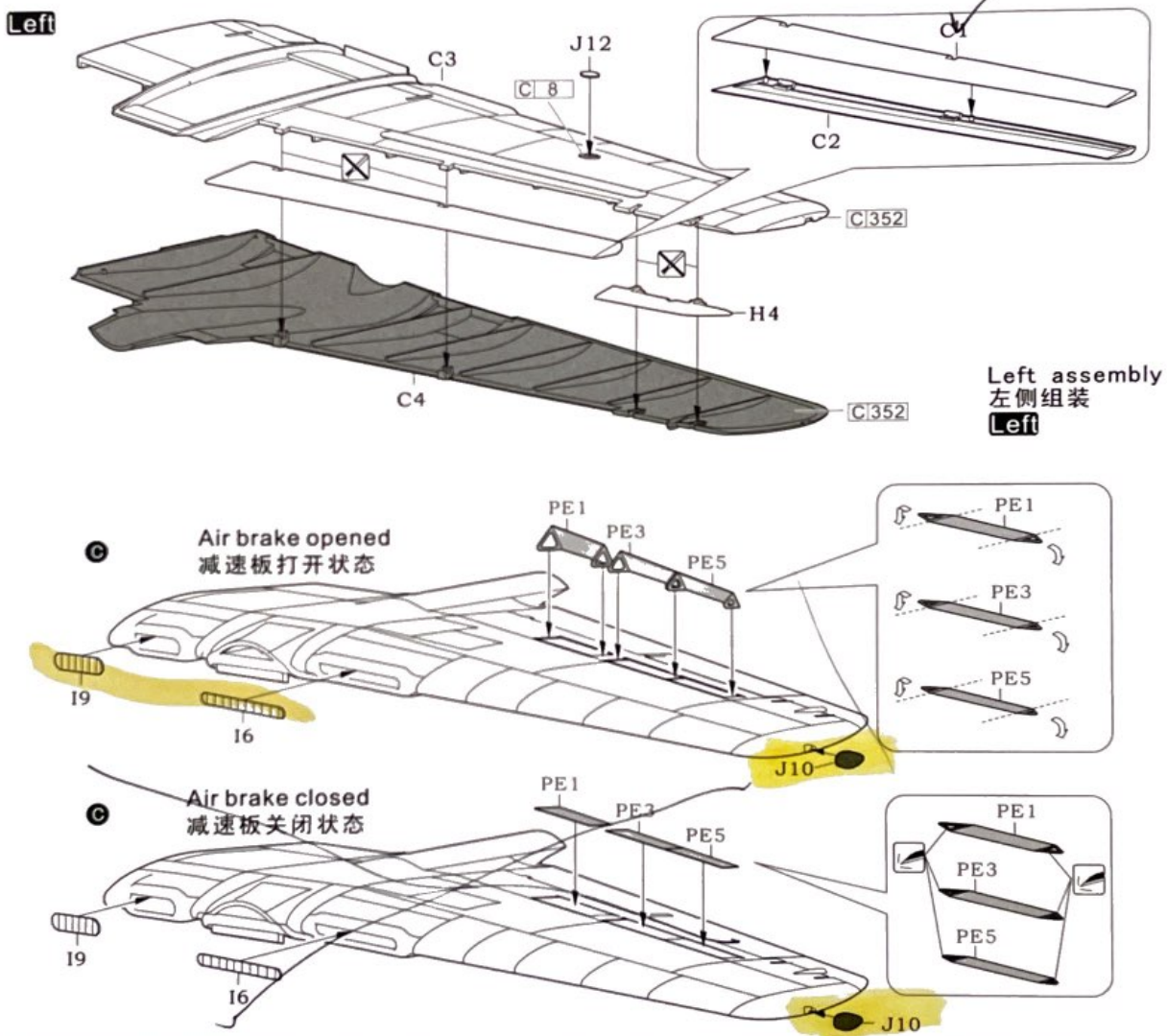
7

发动机组装 Engines Assembly エンジンの組み立て



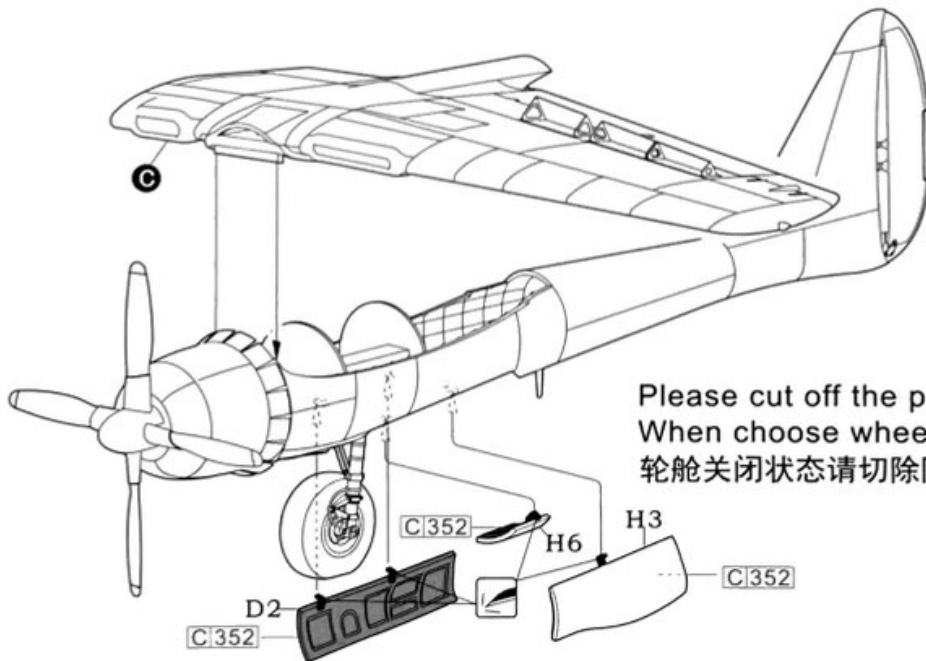
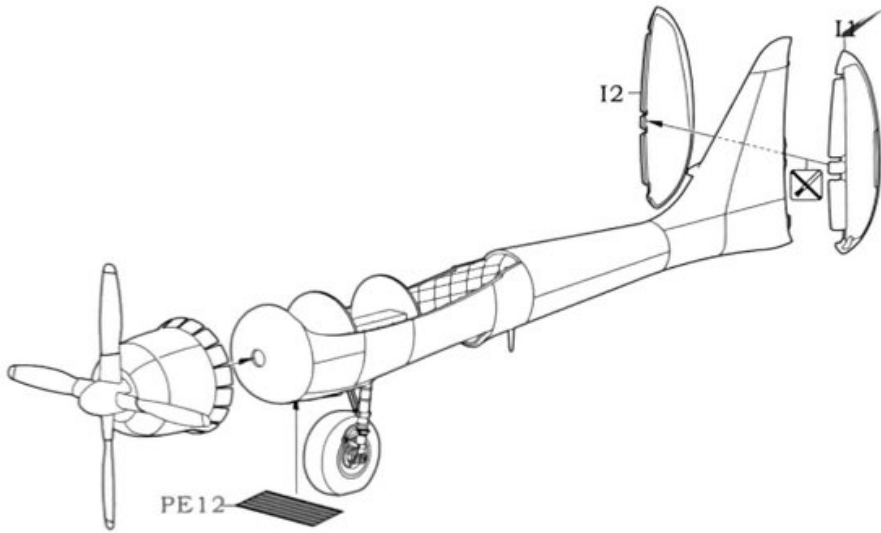
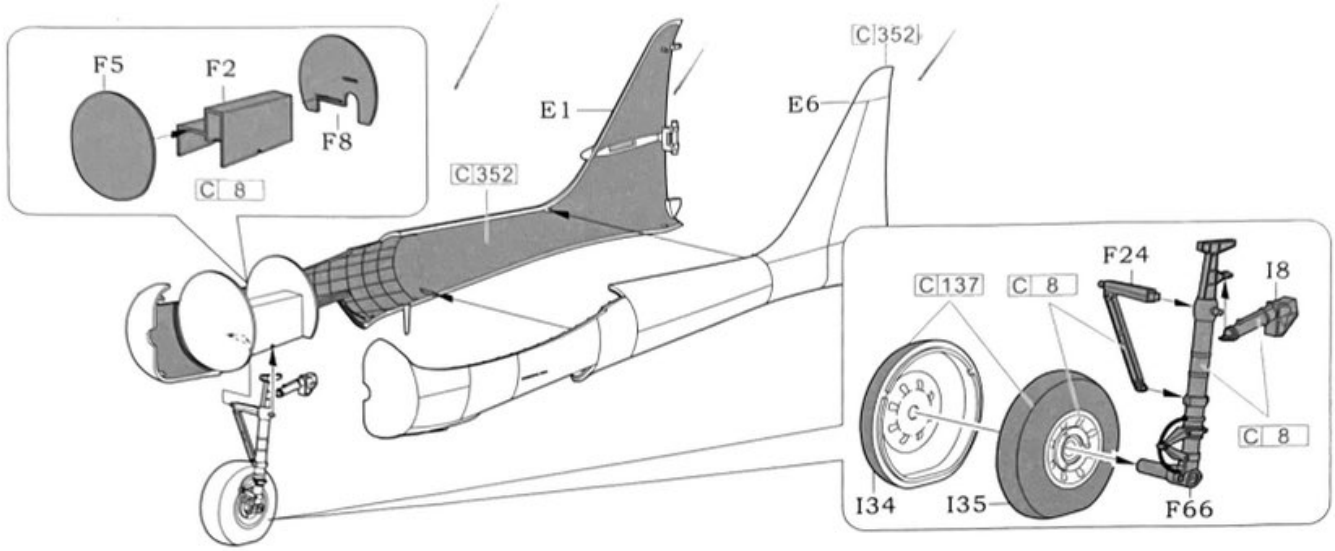
8

下机身组装 Lower Hull Assembly 機体下面の組み立て



9

机身组装
Body Assembly
機首の組み立て

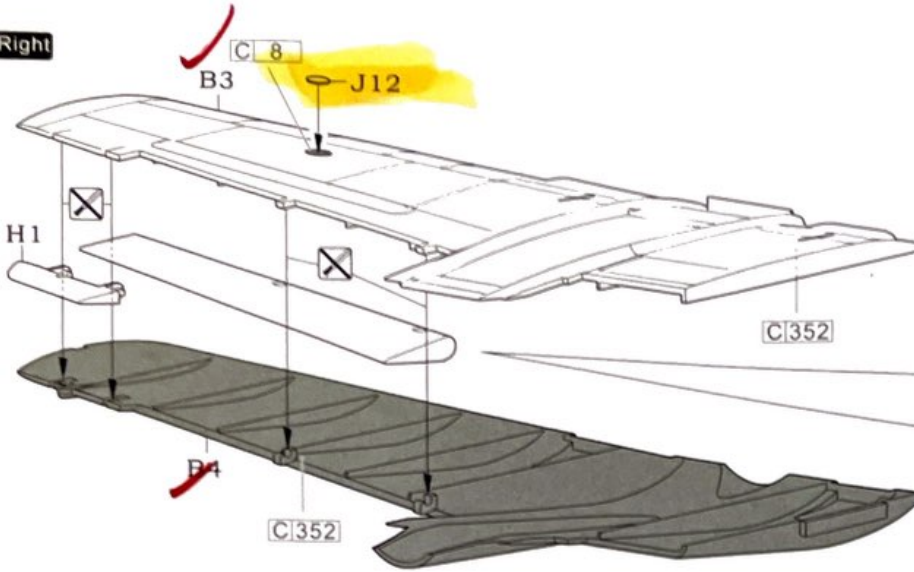


Please cut off the part in shadow
When choose wheel bay door closed
轮舱关闭状态请切除阴影部分

10

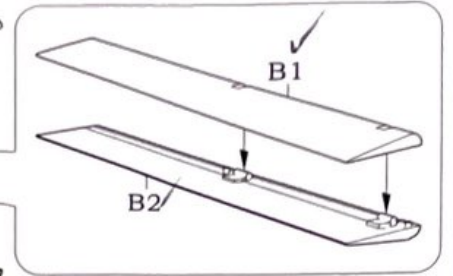
下机身組装 Lower Hull Assembly 機体下面の組み立て

Right

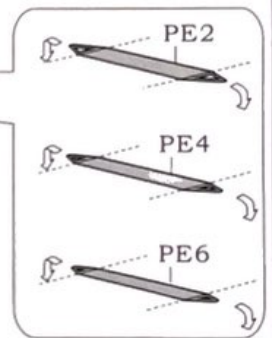
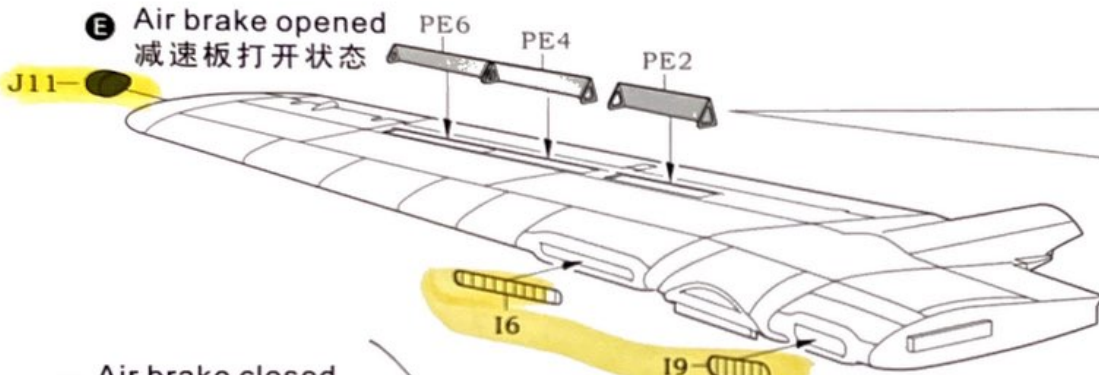


Right assembly
右侧組装

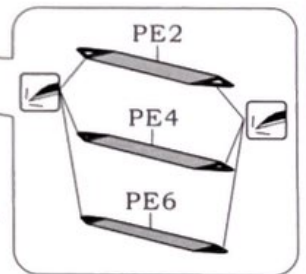
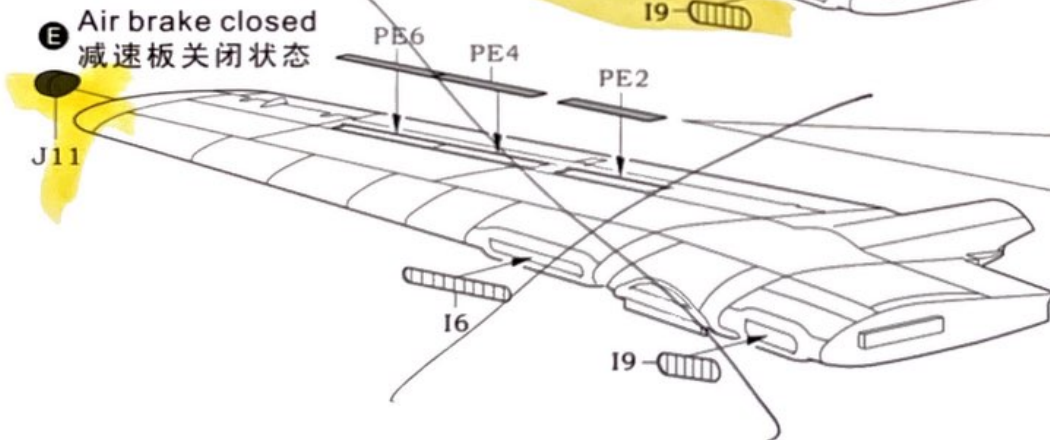
Right



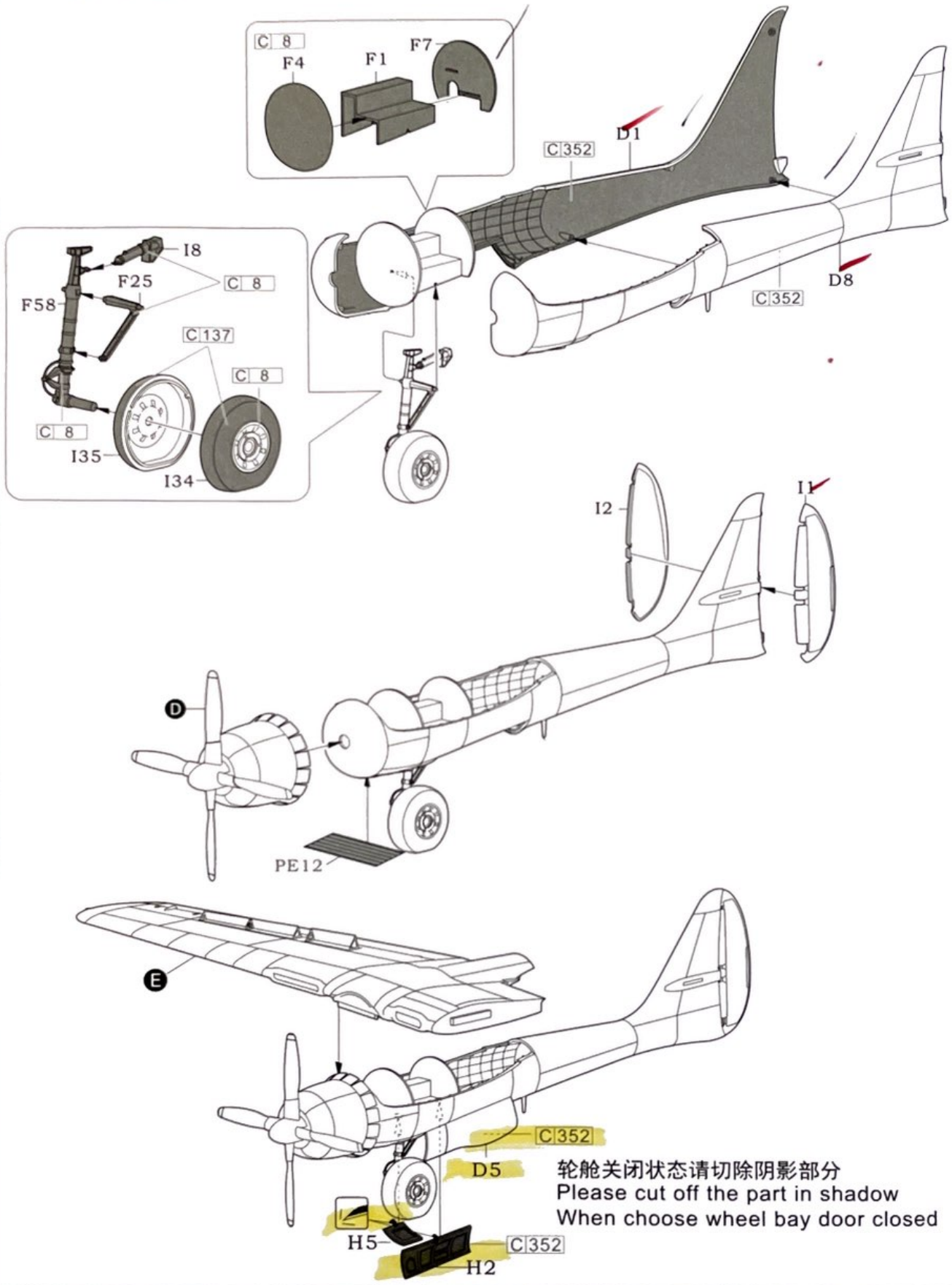
E Air brake opened
减速板打开状态



E Air brake closed
减速板关闭状态



11 机身组装
Body Assembly
機首の組み立て

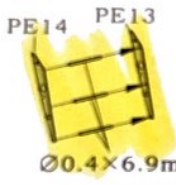
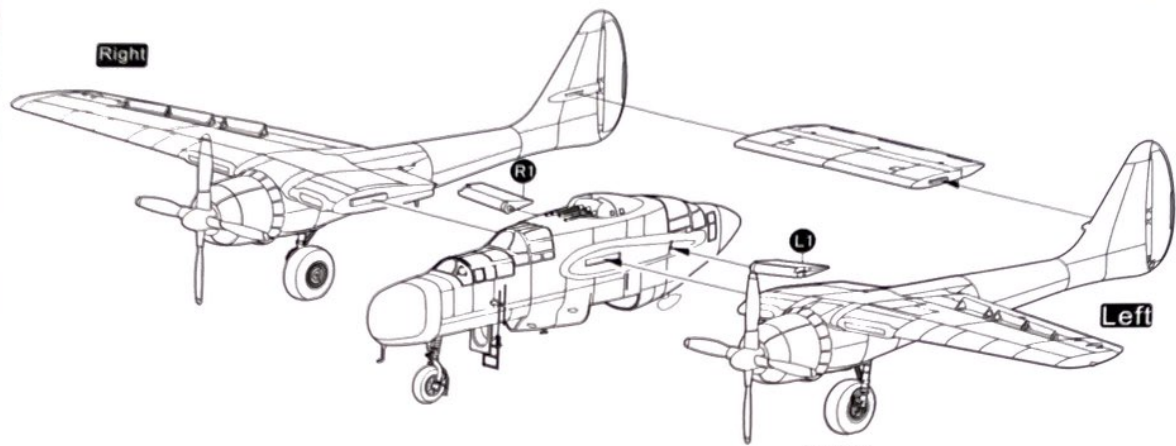
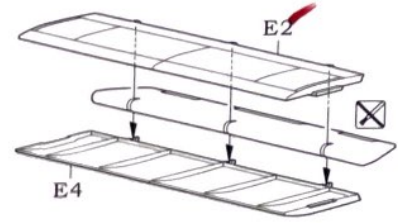
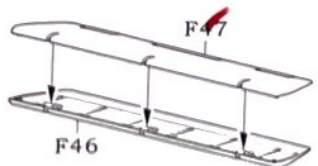
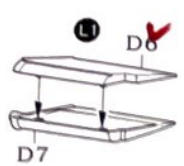
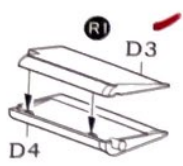


轮舱关闭状态请切除阴影部分
Please cut off the part in shadow
When choose wheel bay door closed

12

飞机机身组装 I Fuselage Assembly I

胴体の組み立て I



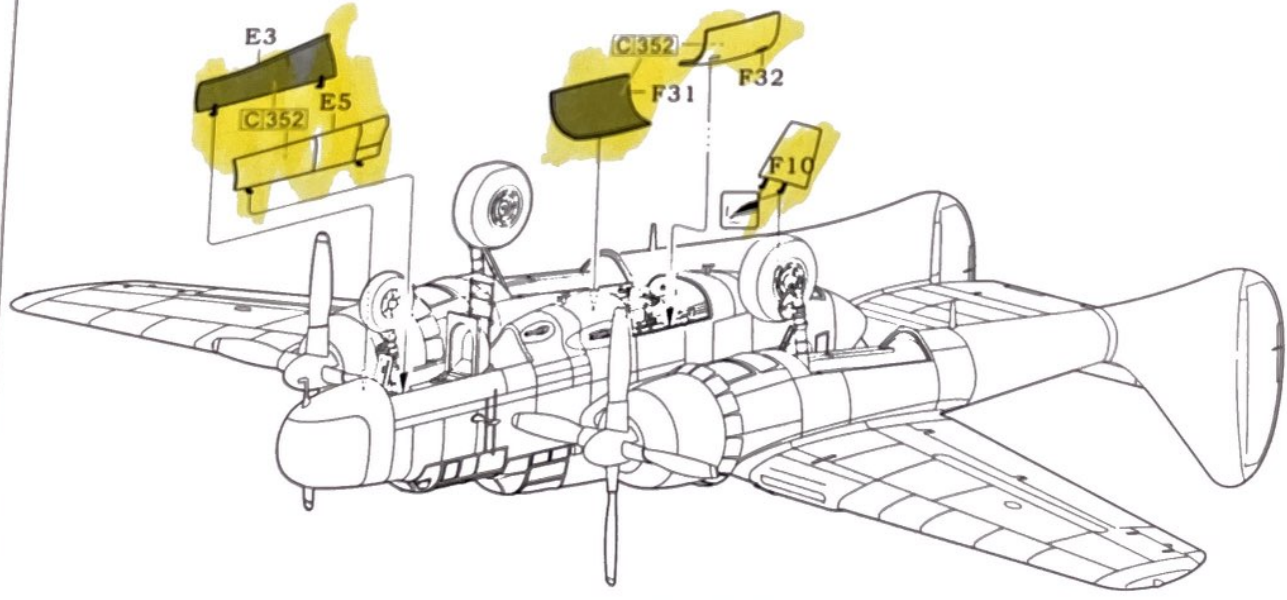
塑胶棒
Ø0.4×6.9mm Plastic beams round



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停靠状态轮舱组装 Parking State Assembly

停止状態の組み立て



P-61B-2 42-39408 Lady in the Dark, 548th NFS, Iwo Jima, Spring 1945

P-61B-2, 编号42-39408, 绰号黑夜小姐, 548夜间战斗机中队, 硫磺岛, 1945年春

