

SIO
Models

F-14D

SUPER TOMCAT



1/48

UNASSEMBLED MODEL KIT

INSTRUCTIONS



F-14D SUPER TOMCAT

雄貓戰鬥機

The final variant of the Grumman F-14 was the F-14D "Super Tomcat". The F-14D variant was first delivered in 1991 where the original TF-30 engines were replaced with General Electric F110-400 engines, similar to those aboard the F-14B.

The F-14D also included updated digital avionics systems including a digital cockpit and replaced the AWG-9 with the newer AN/APG-71 radar. Other systems included the Airborne Self Protection Jammer (ASPJ), Joint Tactical Information Distribution System (JTIDS), SJU-17(V) Naval Aircrew Common Ejection Seats (NACES) and Infra-red search and track (IRST) situated in the chin pod.

The GE F110-400 engine provided increased thrust and additional endurance to extend range or to provide enhanced duration "On Station". The new engines also increased thrust and improved The Rate of Climb by 61%.

Although the F-14D was to be the definitive version of the Tomcat, not all fleet units received the D variant. In all, a total of 37 new aircraft were completed, and 18 F-14A models were upgraded to D-models. An upgrade to the F-14D's computer software allowed for AIM-120 AMRAAM missile capability but was later terminated leaving air-to-air missiles as the AIM-9 Sidewinder, AIM-54 Phoenix and AIM-7 Sparrow.

Starting in 2005, some F-14Ds received the ROVER III upgrade allowing eyes in the sky at home or in the Command Post.

The aircraft also proved an outstanding Strike Fighter employing a capability present from the initial design work, but rarely employed. At peak employment, thirty Navy squadrons Tomcats flew combat missions during the Gulf War and in missions over Iraq and Afghanistan from 2001 until the F-14's retirement in 2006.

As an air-to-ground platform, the Tomcat is capable of deploying an large array of air-to-ground ordnance (Mk.80 bombs, LGBs and JDAM) in various configurations, while simultaneously carrying the AIM-7, AIM-9 and AIM-54 air-to-air missiles. The F-14D also carries the LANTIRN targeting system that allows delivery of various laser-guided bombs for precision strikes in air-to-ground combat missions and for battle damage assessment. With its Fast Tactical Imagery (FTI) system the Tomcat can transmit and receive targeting/reconnaissance imagery in-flight to provide time sensitive strike capability. This F-14D is also capable of carrying the Tactical Air Reconnaissance Pod System (TARPS) providing in-theater tactical reconnaissance.

該機是由美國格魯曼公司研製的一款第三代雙發可變後掠翼重型戰鬥機。其D改型相較A型升級為F-110發動機使其擁有更高的推重比和更長的滯空時間，升級了航電系統並用更新的AN/APG-71雷達取代了AWG-9雷達，機鼻在保持優秀制空能力前提下F-14D升級了對地攻擊能力。該機可以掛載藍盾吊艙進行精確對地偵查/攻擊任務。

美海軍共裝備50餘架F-14D型戰鬥機。其中18架F-14A型升級為D型，剩餘則為新製造的戰鬥機。第1架F-14D於1990年2月交付，全部配備了Tape 115B電腦軟體，具有用常規炸彈，衛星制導炸彈，鐳射制導炸彈執行對地攻擊任務的能力，並在海灣戰爭中發揮重要作用。

F-14戰鬥機於1970年12月21日原型機首飛。在2006年9月22日，F-14戰鬥機正式退役。除伊朗擁有少量可用的雄貓外，該戰機已從美軍全部退役。但因其擁有鮮明的時代特徵和不俗的戰力，至今仍是眾多軍事愛好者津津樂道的話題。



- 產品不適合8歲以下的兒童。
- 產品中含有帶尖點的小零件。
- 對於3歲以下兒童當心因窒息產生的危害。

NOT SUITABLE FOR CHILDREN UNDER 8 YEARS. CONTAINS FUNCTIONAL SHARP POINTS CONTAINS SMALL PARTS. BEWARE OF CHOKING HAZARD OF CHILDREN UNDER 3 YEARS.

PAINT AND COLOR USED

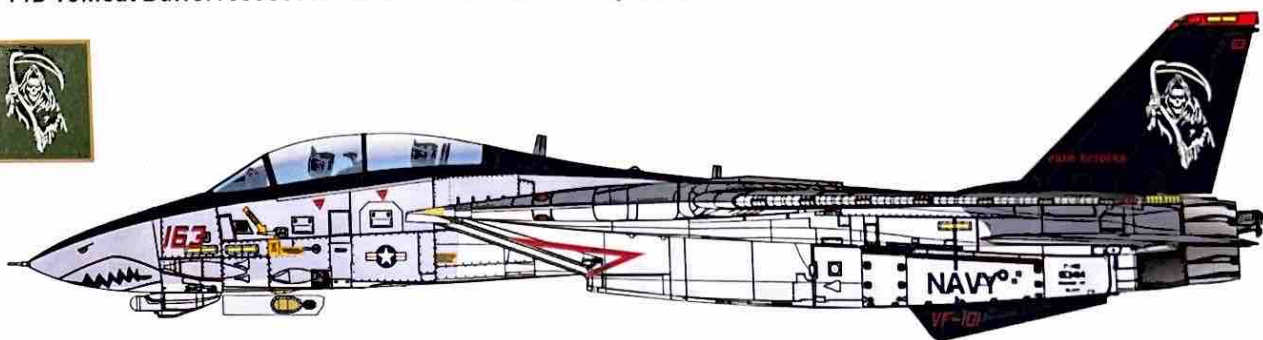
1	白色 White		2	透明紅 Clear Red	C47	3	消光黑 Flat Black	FS 37038	C33
4	紅色 Red	FS 11350 C329	5	透明藍 Clear Blue	C50	6	灰白色 Grayish White	FS 17875	C316
7	黃色 Yellow	FS 13538	8	卡其色 Khaki	FS 34097	9	銀色 Silver	FS 17178	C8
10	灰色 Gray	FS 36231	11	燒鐵色 Burnt Iron	FS 34097 C61	12	透明綠 Clear Green		C138
13	橄欖色 Olive Drab	FS 34129	14	車胎黑 Tire Black	FS 25049 C137	15	透明黑 Clear Black		



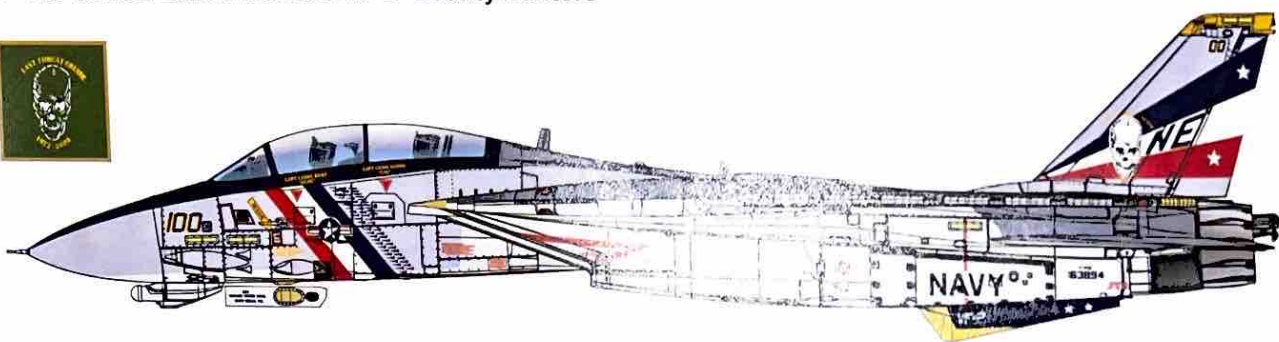
This kit provides a choice of 2 types of markings. Select one before assembly.

本模型提供2種塗裝，請於組裝前選擇合適的塗裝。

A F-14D Tomcat BuNo.163900 AD 155 of VF-101 'Grim Reapers' 2005

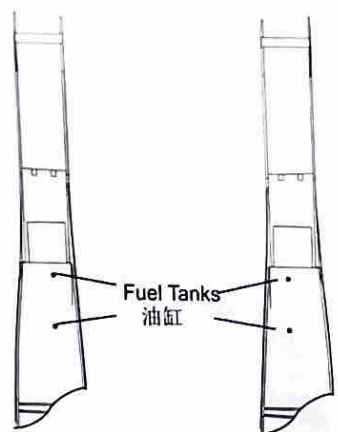
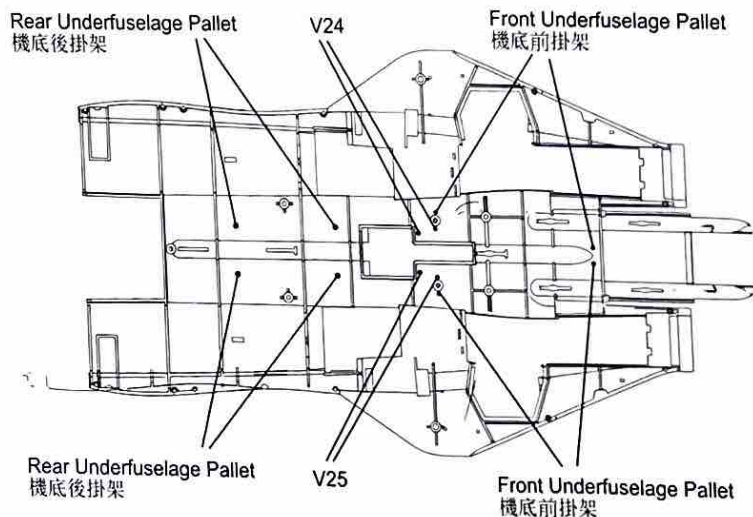


B F-14D Tomcat BuNo.158985 of VF-2 'Bounty Hunters'



Drilling Holes

鑽孔



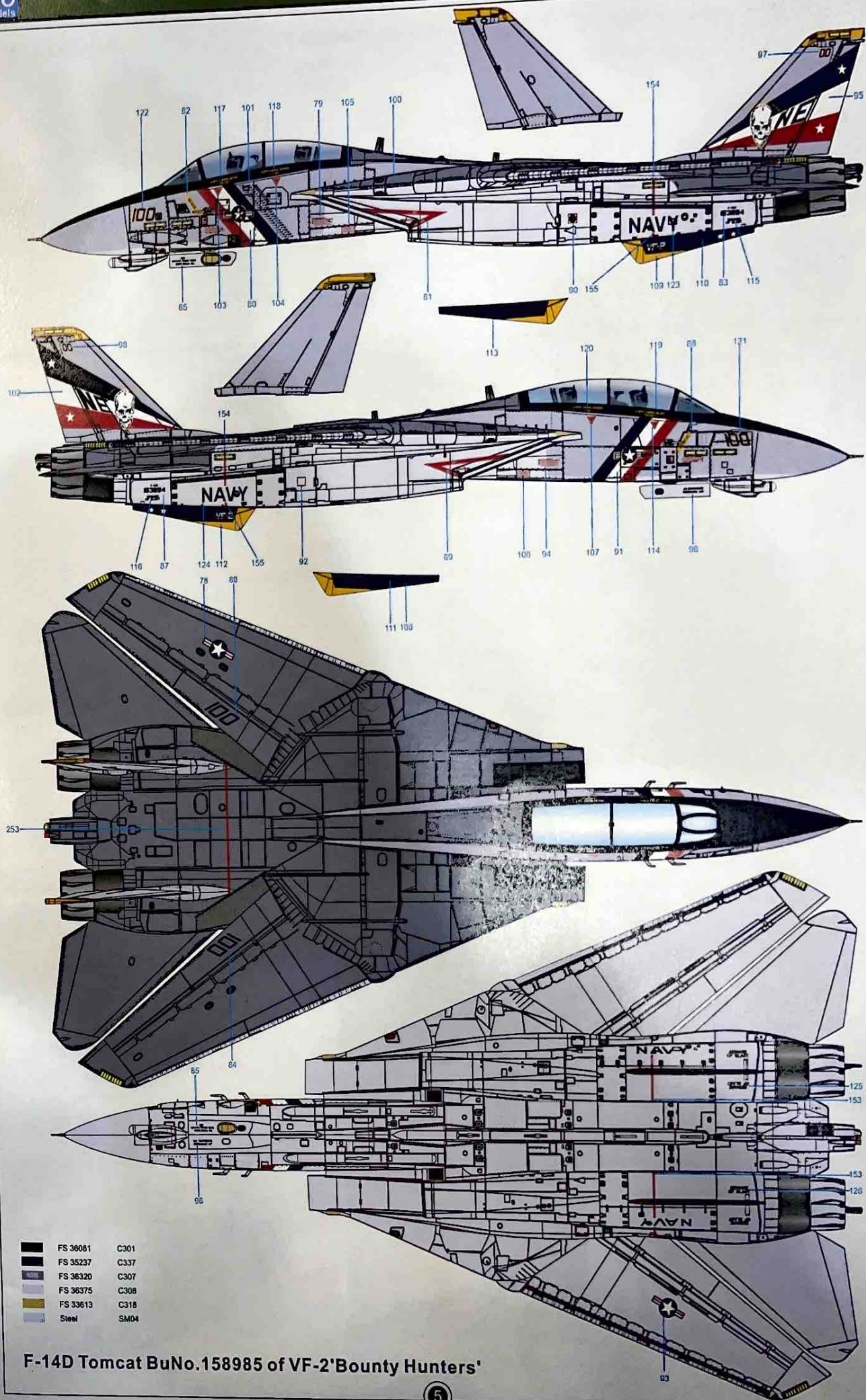
Part E

Part F



- FS 15045 C326
- FS 35237 C337
- FS 36320 C307
- FS 36376 C308
- FS 33613 C318
- Steel SM04

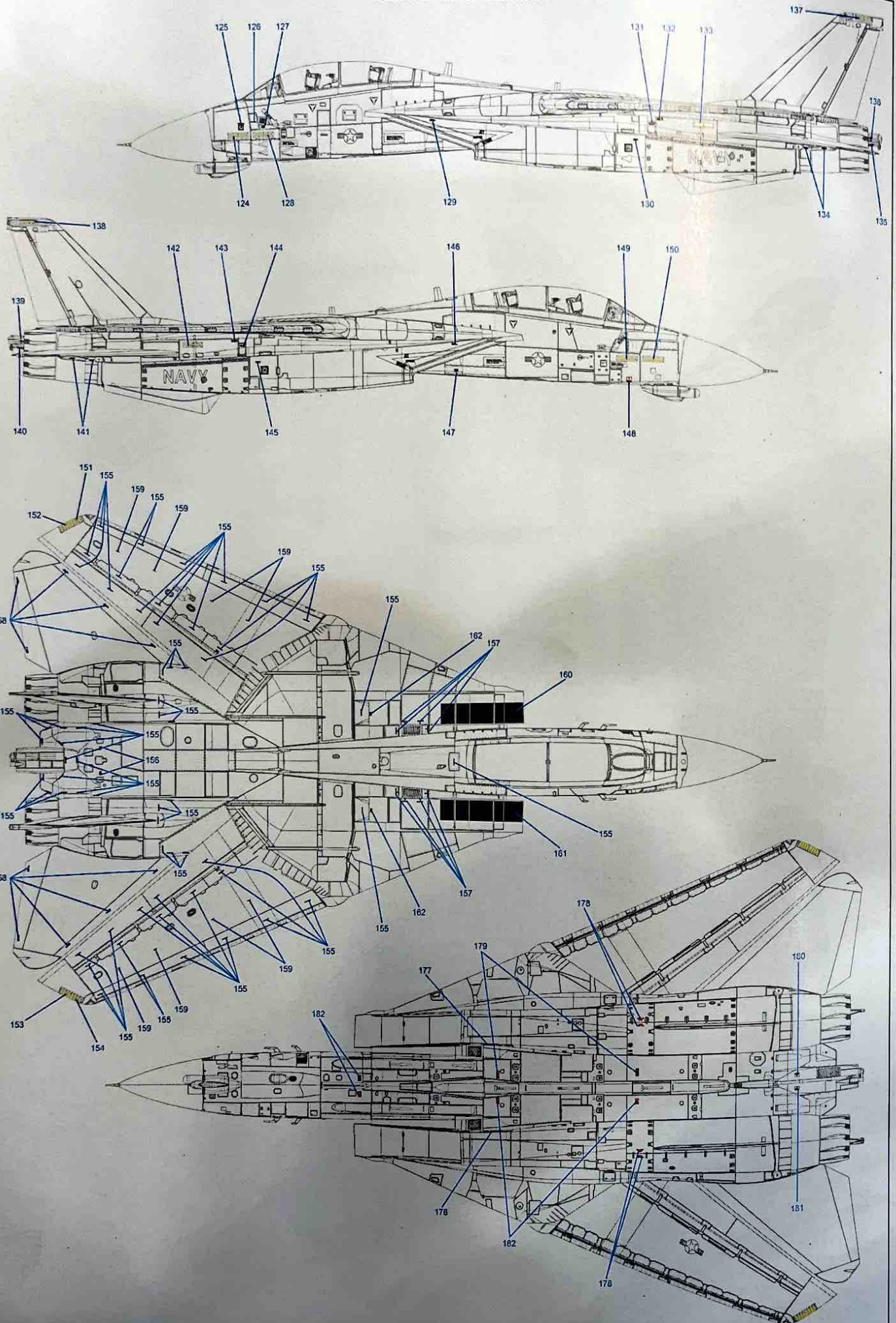
F-14D Tomcat BuNo. 163900 AD 155 of VF-101 'Grim Reapers' 2005



- FS 39081 C301
- FS 35237 C337
- FS 36320 C307
- FS 36375 C308
- FS 33613 C318
- Steel SM04

F-14D Tomcat BuNo.158985 of VF-2'Bounty Hunters'

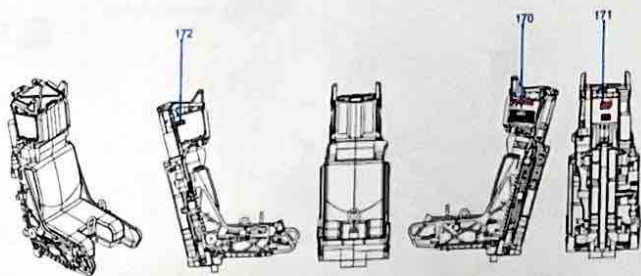
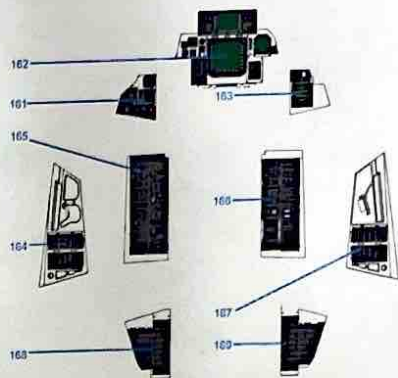
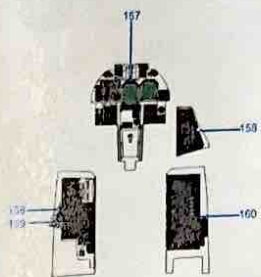
Stencil data scheme



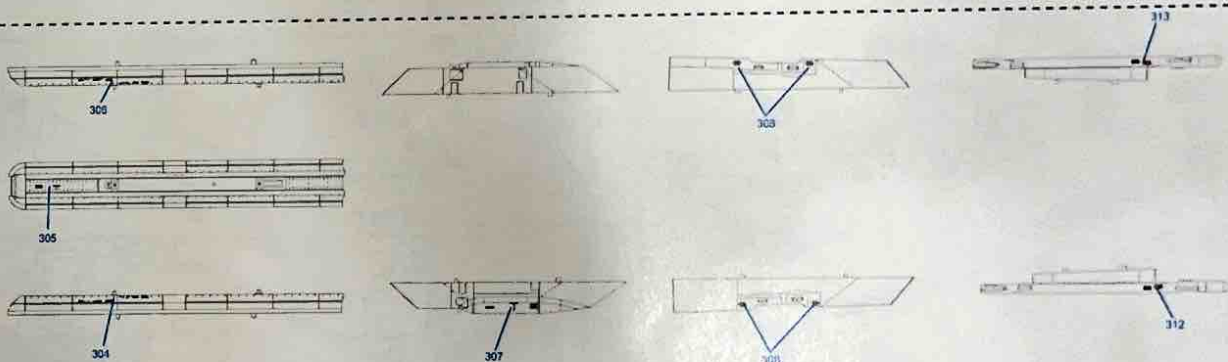
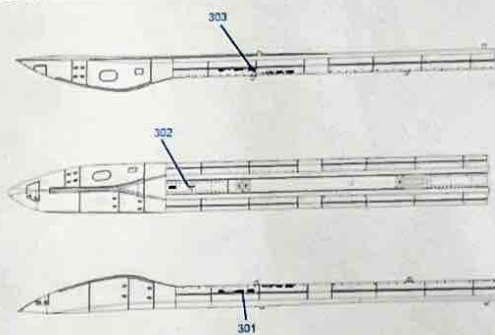
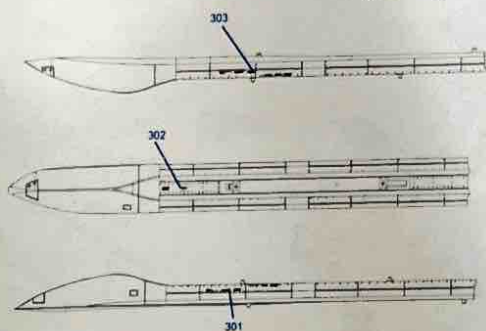
Ejection seats

Front cockpit

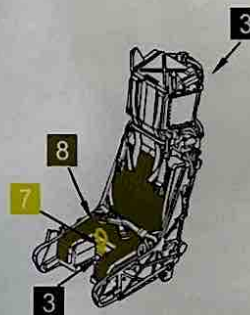
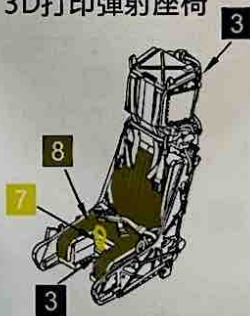
Aft cockpit



Pylons, adapters and launchers

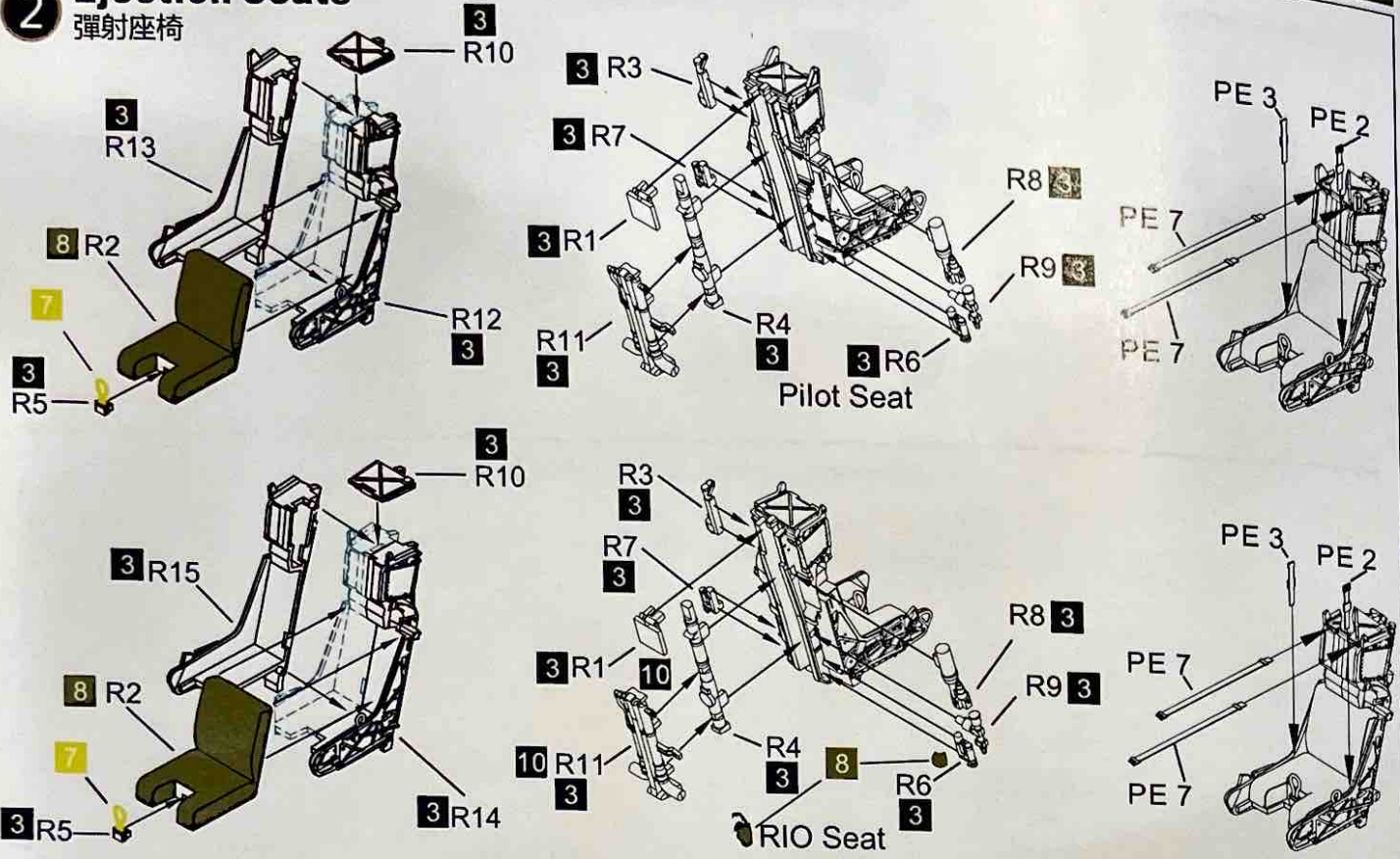


1 3D Printed Ejection Seats
3D打印彈射座椅



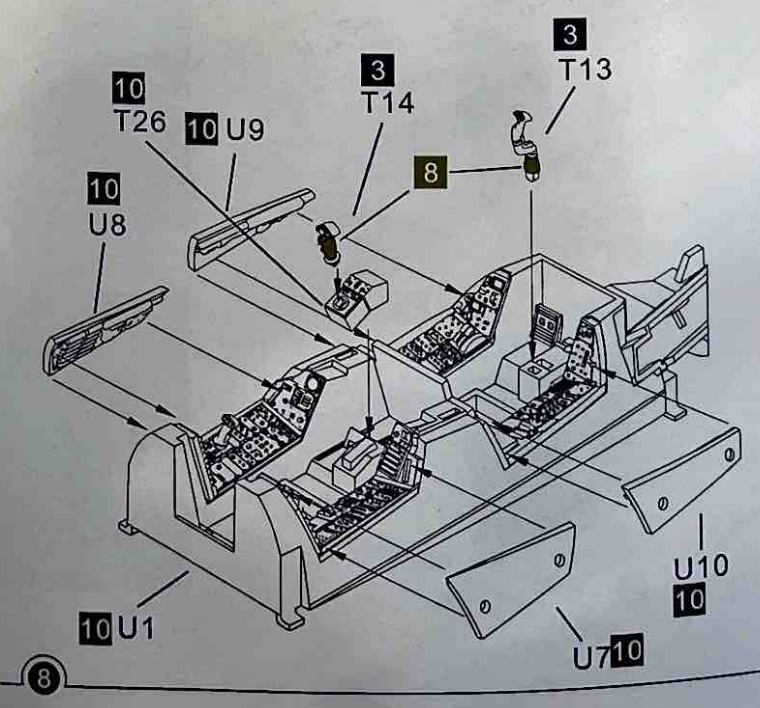
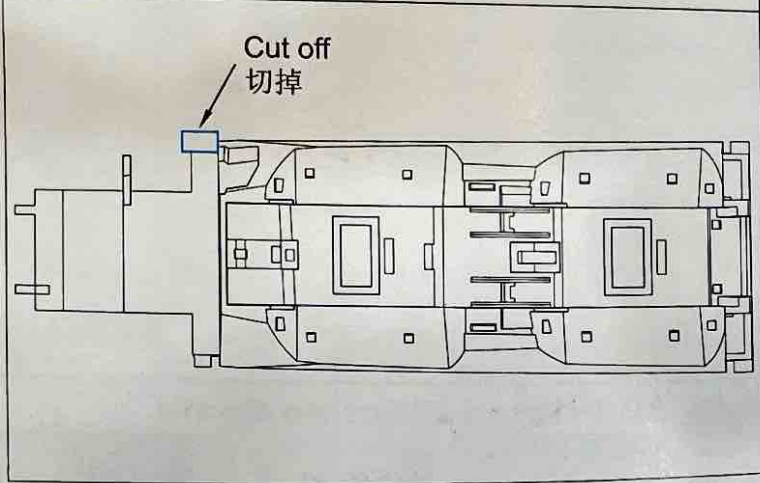
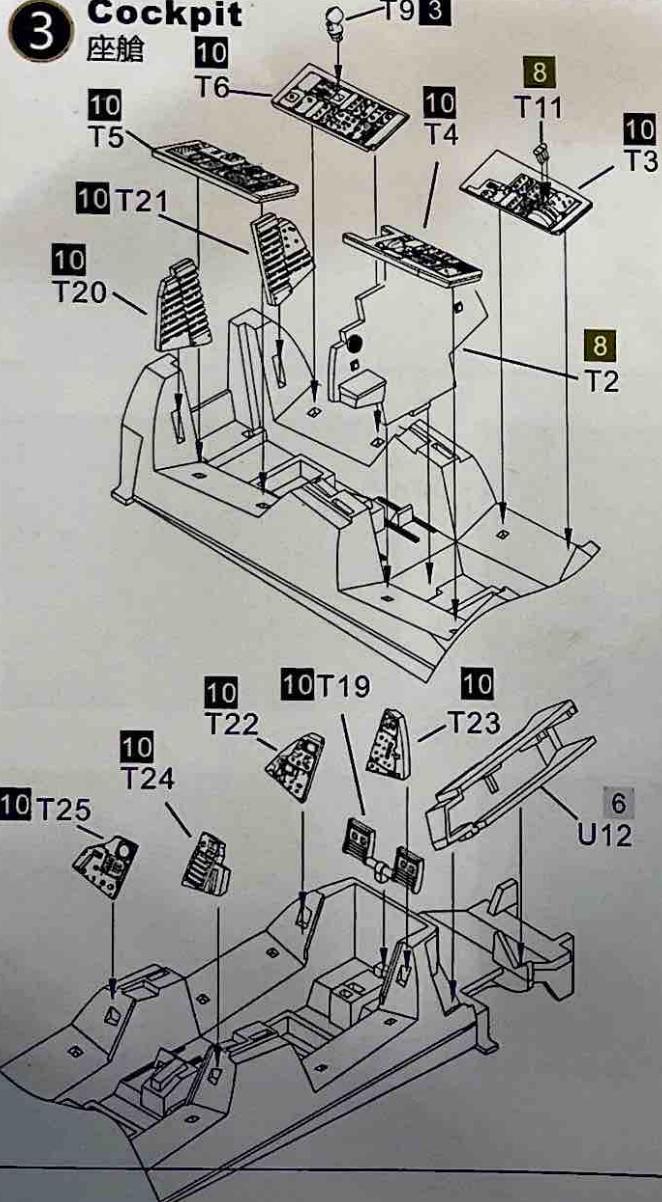
2 Ejection Seats

彈射座椅

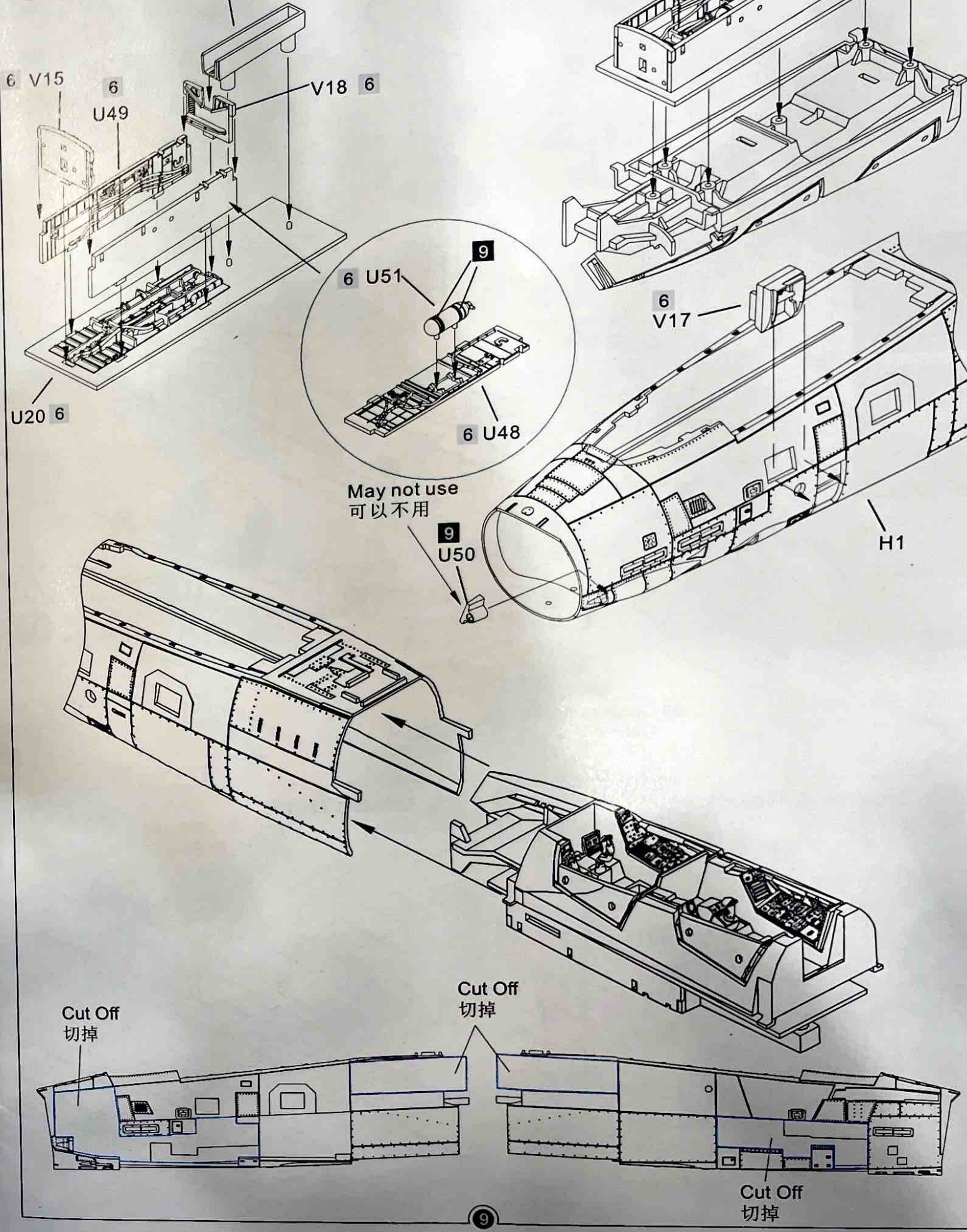


3 Cockpit

座艙



4 Front Fuselage 前機身



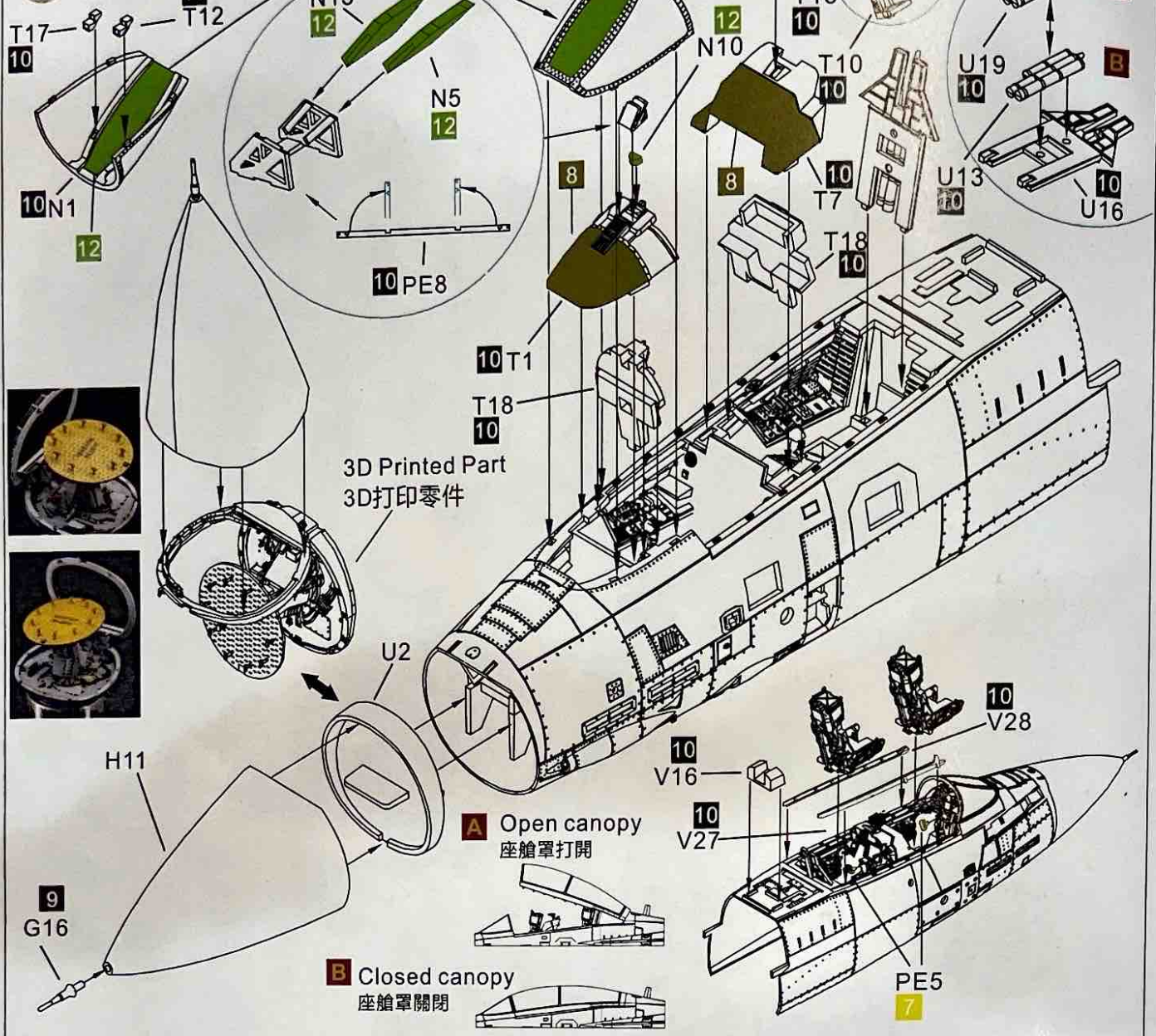
May not use
可以不用

Cut Off
切掉

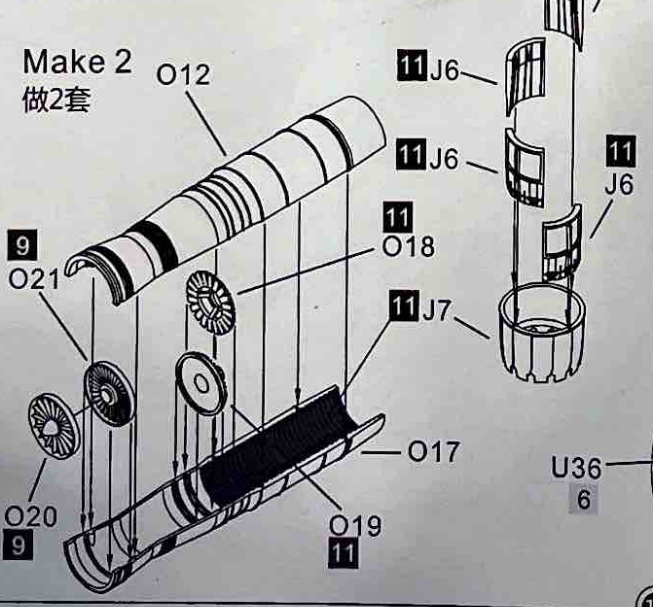
Cut Off
切掉

Cut Off
切掉

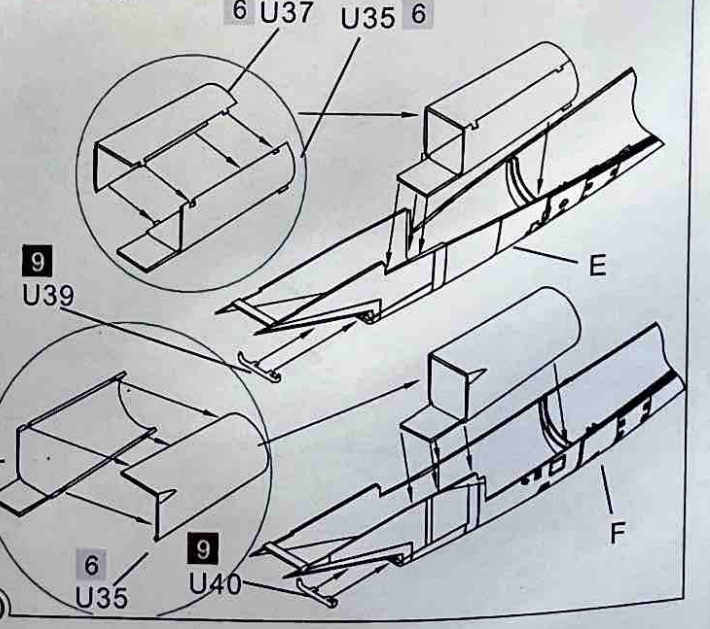
5 Front Fuselage 前機身



6 Engine & Nozzle 引擎&噴口

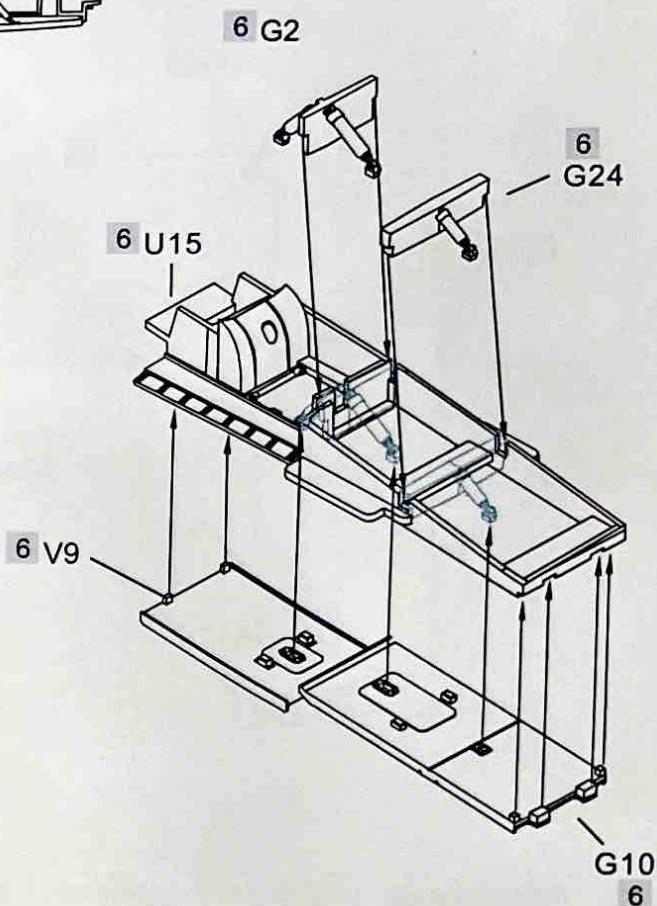
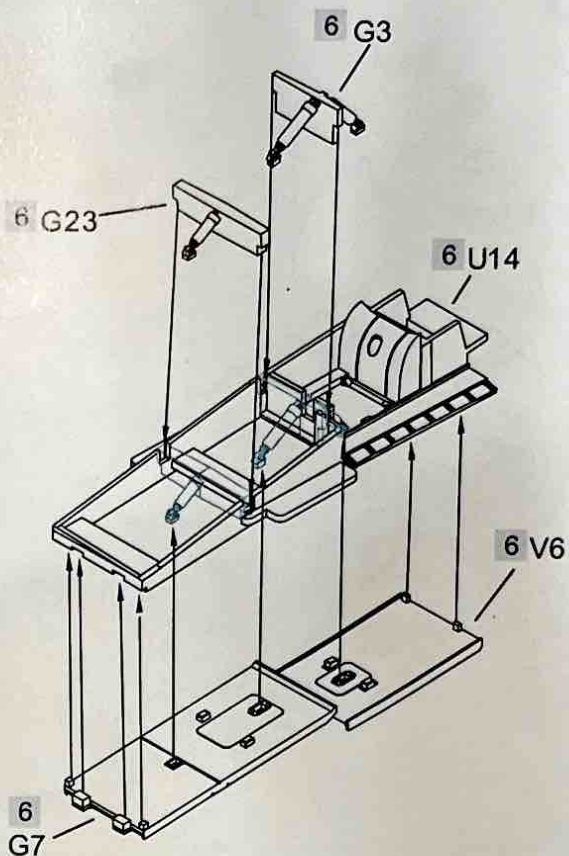


7 Intake Trunk 進氣口



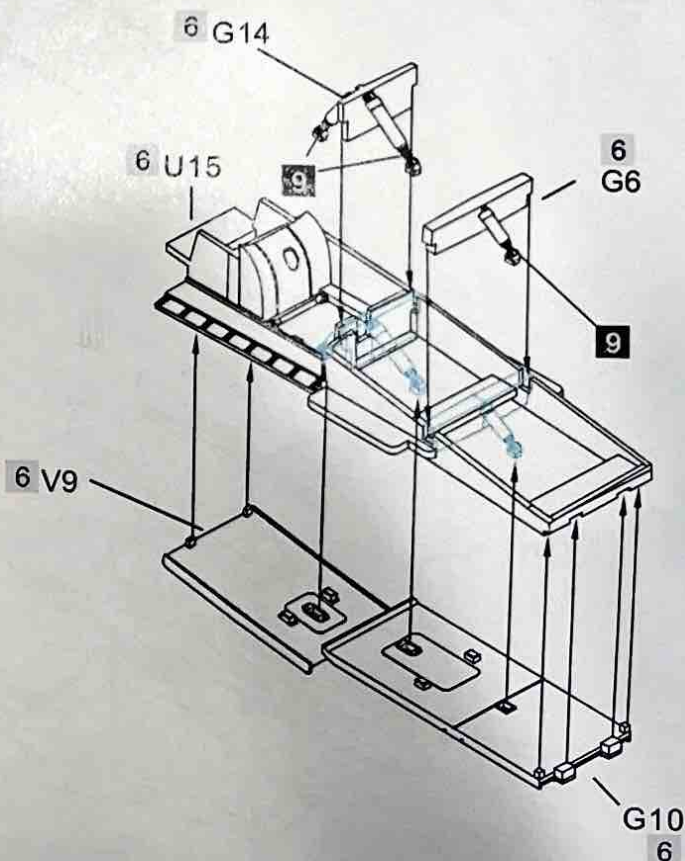
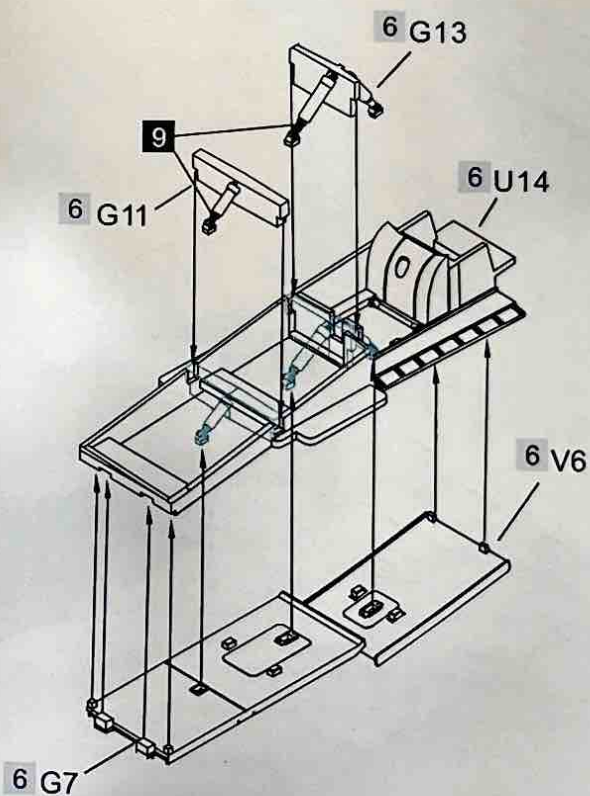
8 Attaching Intake Ramps
組裝氣底壓板

Subsonic Speeds
亞音速



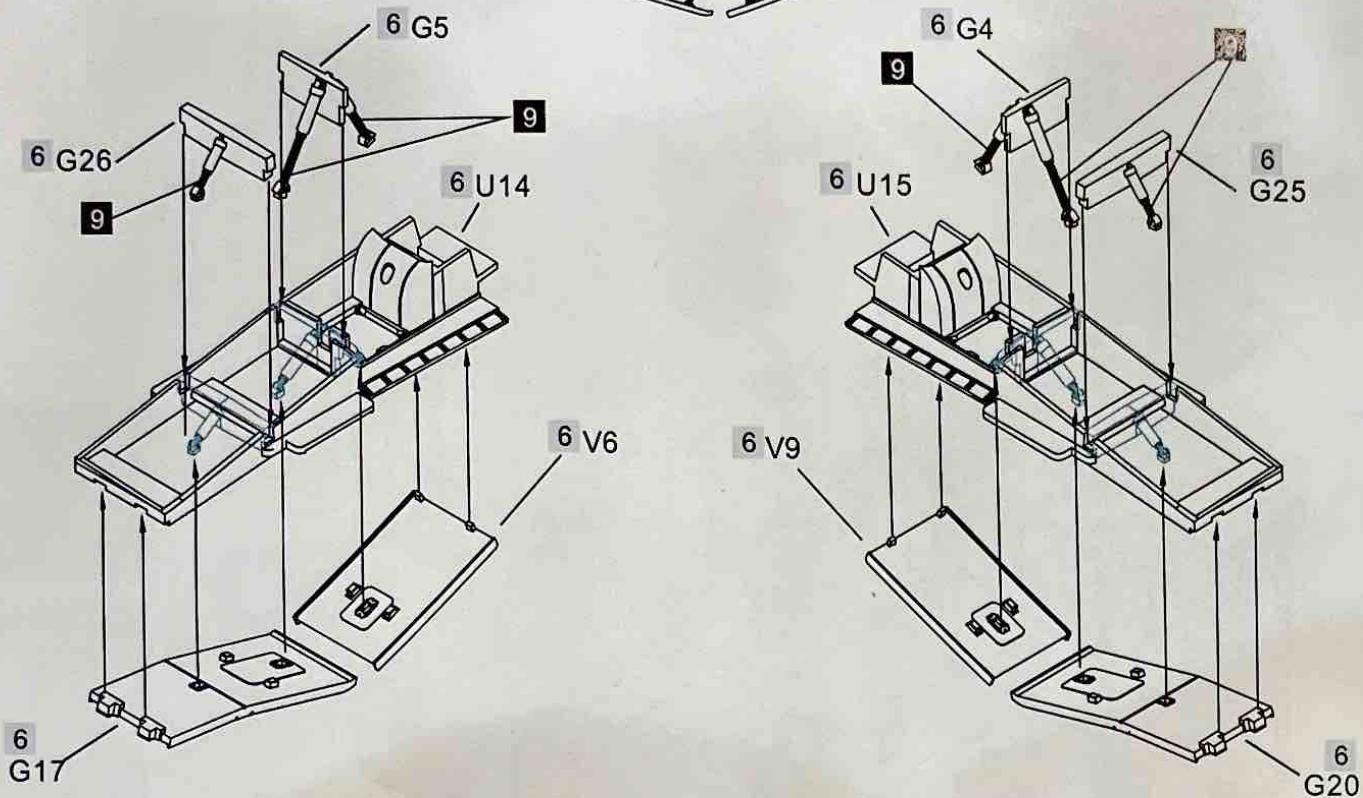
9 Attaching Intake Ramps
組裝氣底壓板

Subsonic Speeds
跨音速



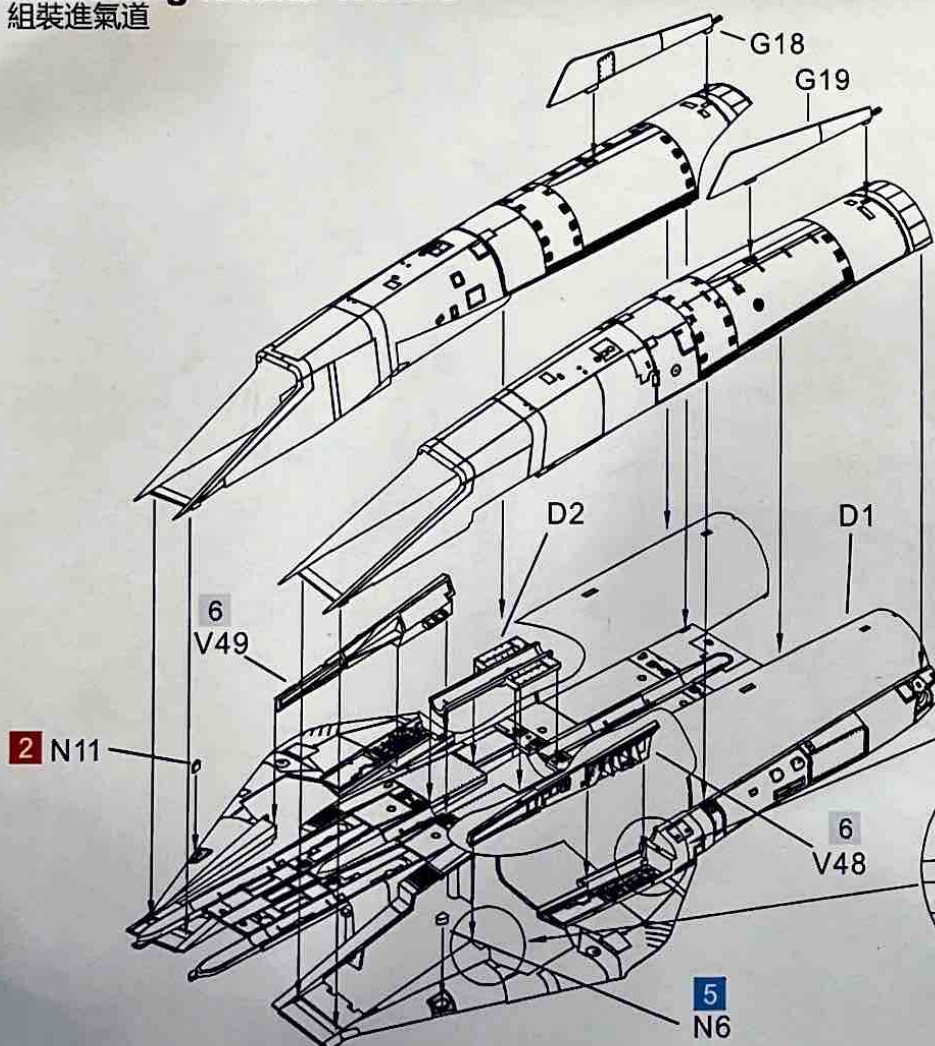
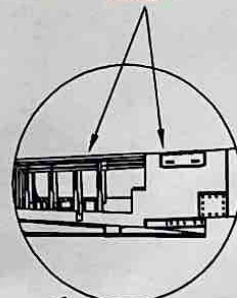
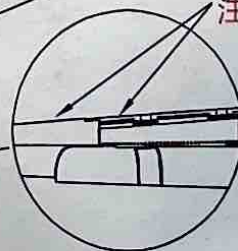
10 Attaching Intake Ramps

組裝氣底壓板

Supersonic Speeds
超音速

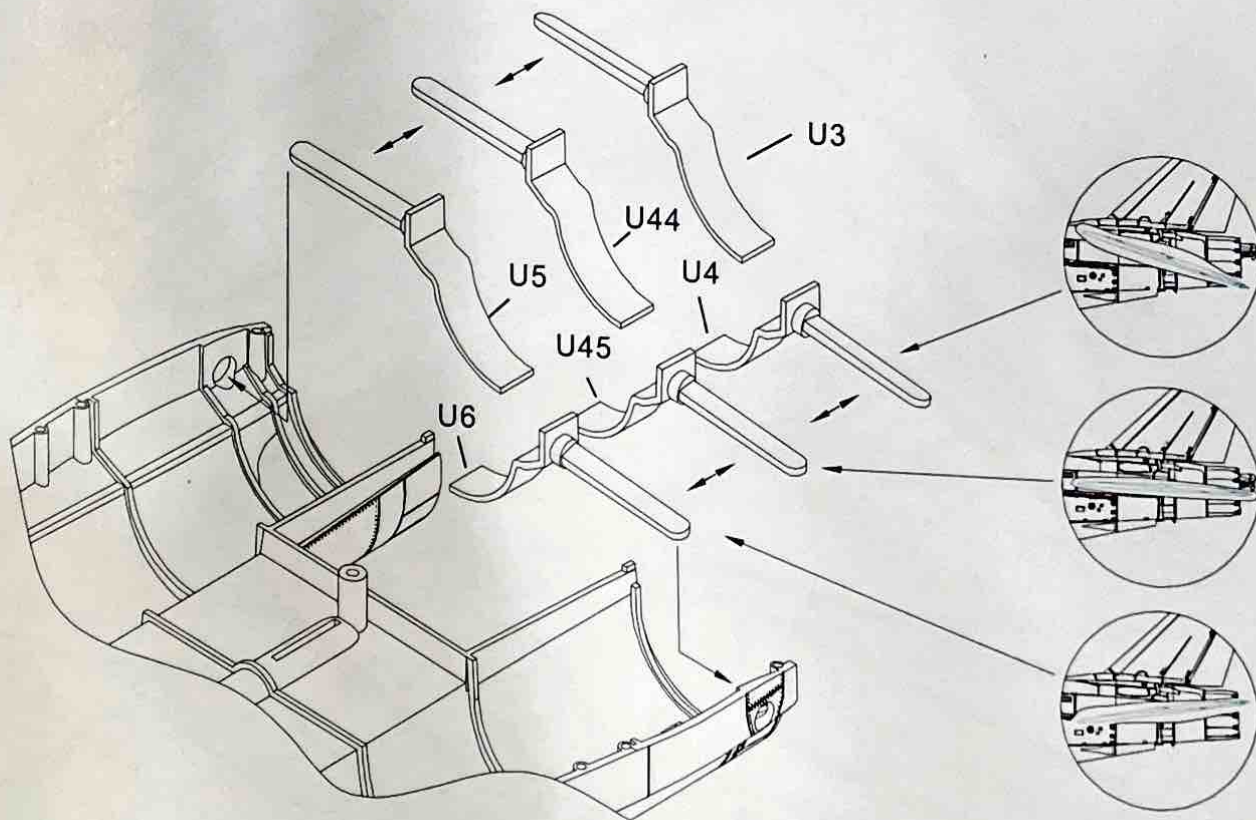
11 Attaching Intake Trunks

組裝進氣道

Note!
注意!Note!
注意!

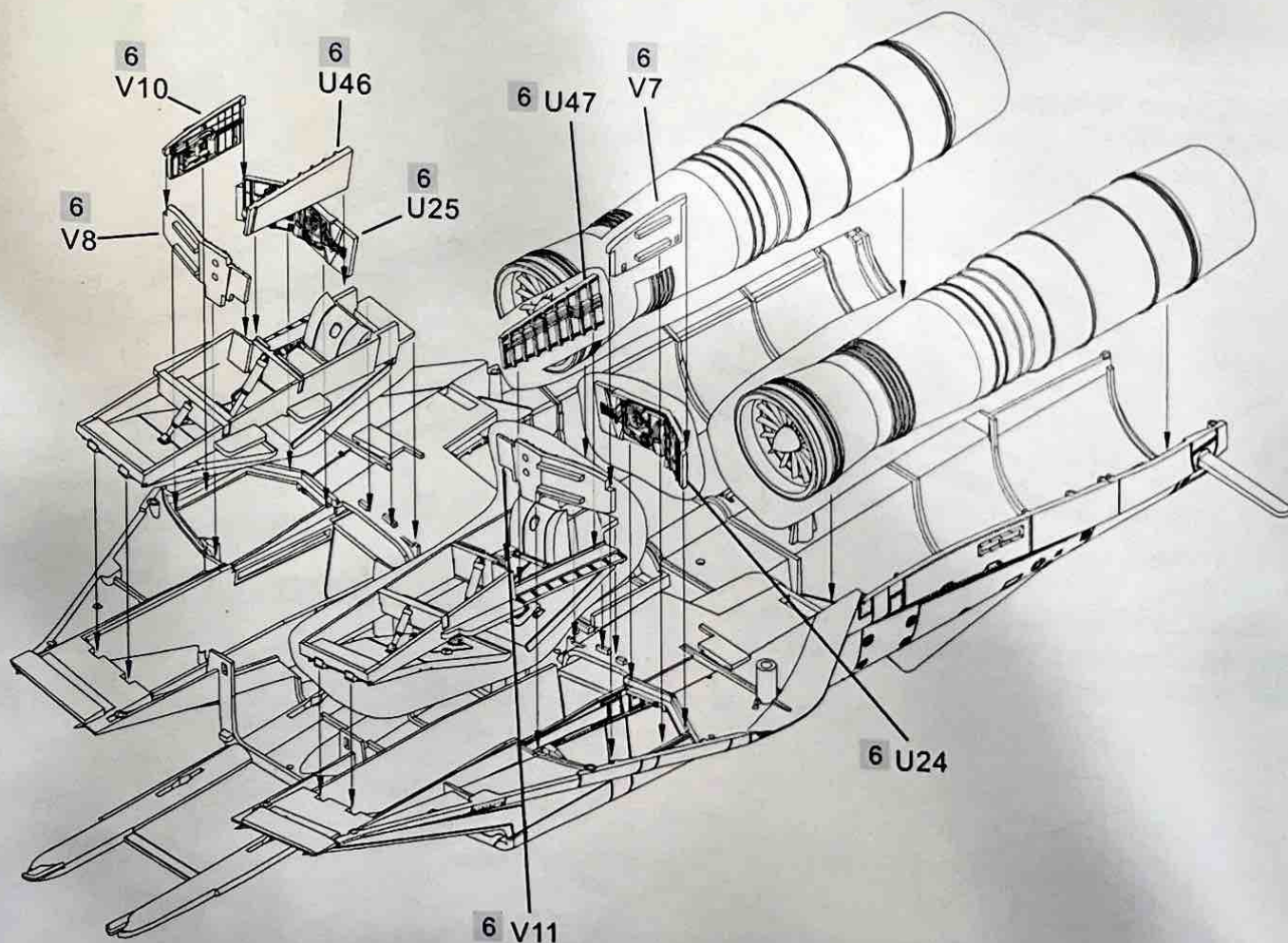
12 Horizontal Tail Wing Positions

水平尾翼狀態

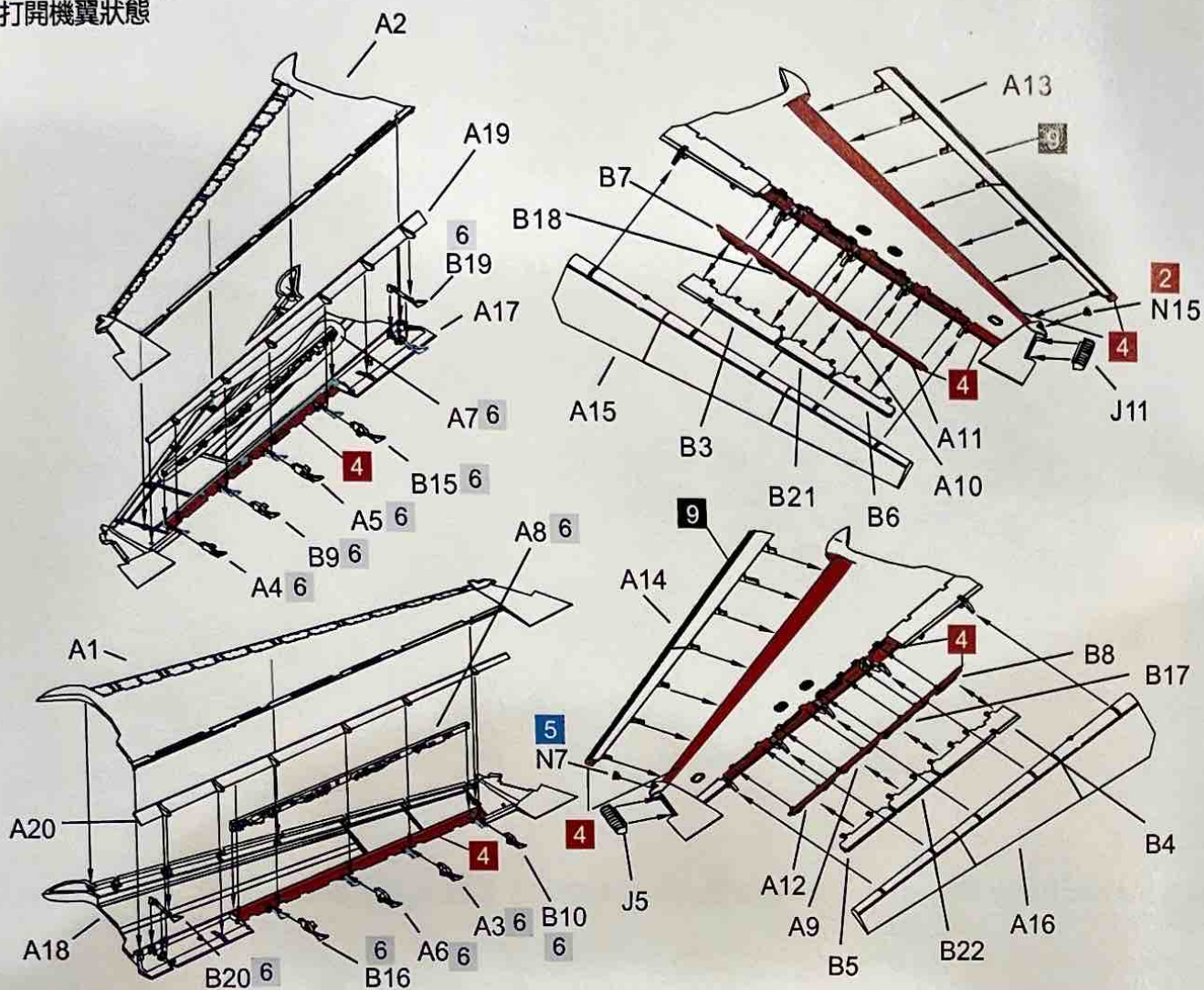


13 Attaching Engine, Intake Ramps & Main Landing Gear Bay

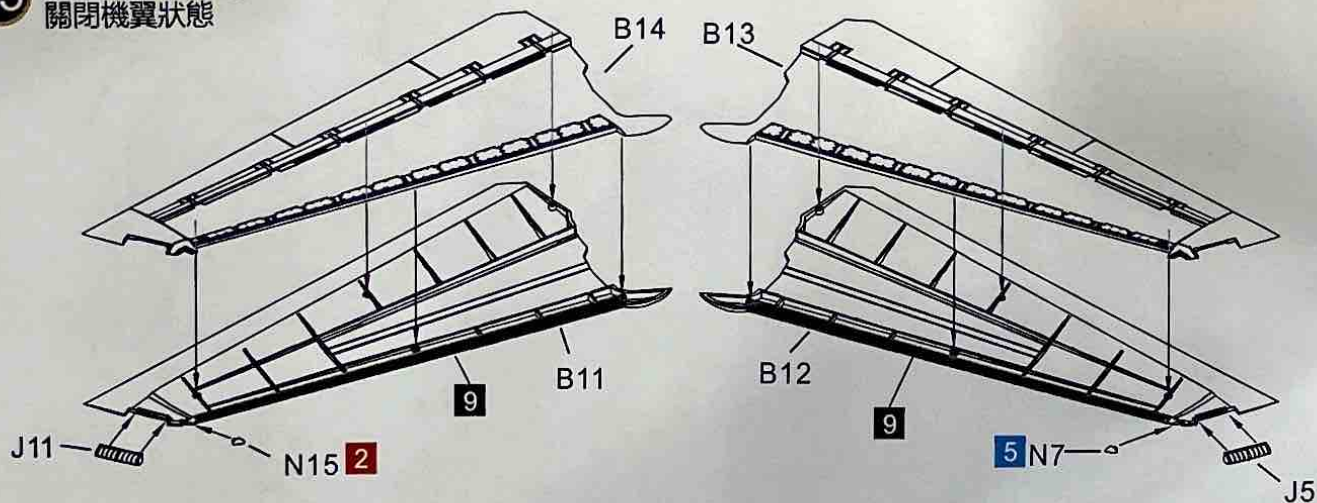
組裝引擎，氣流壓板&主起落架艙



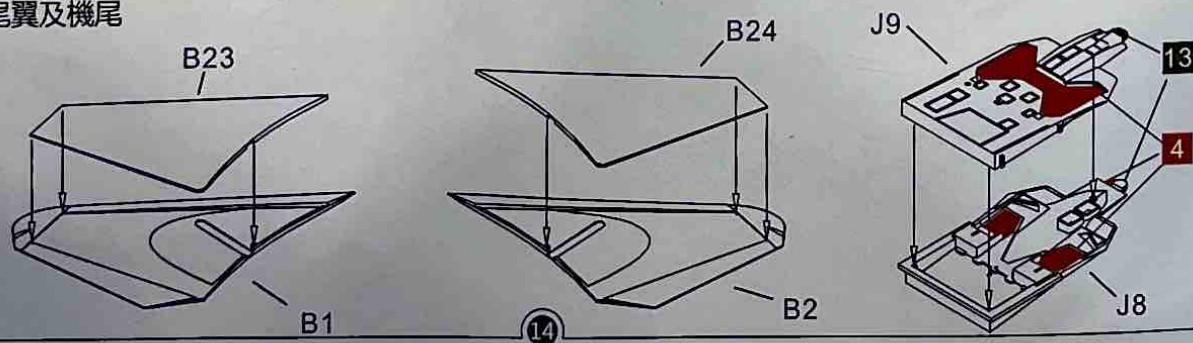
14 Open Wings 打開機翼狀態



15 Close Wings 關閉機翼狀態

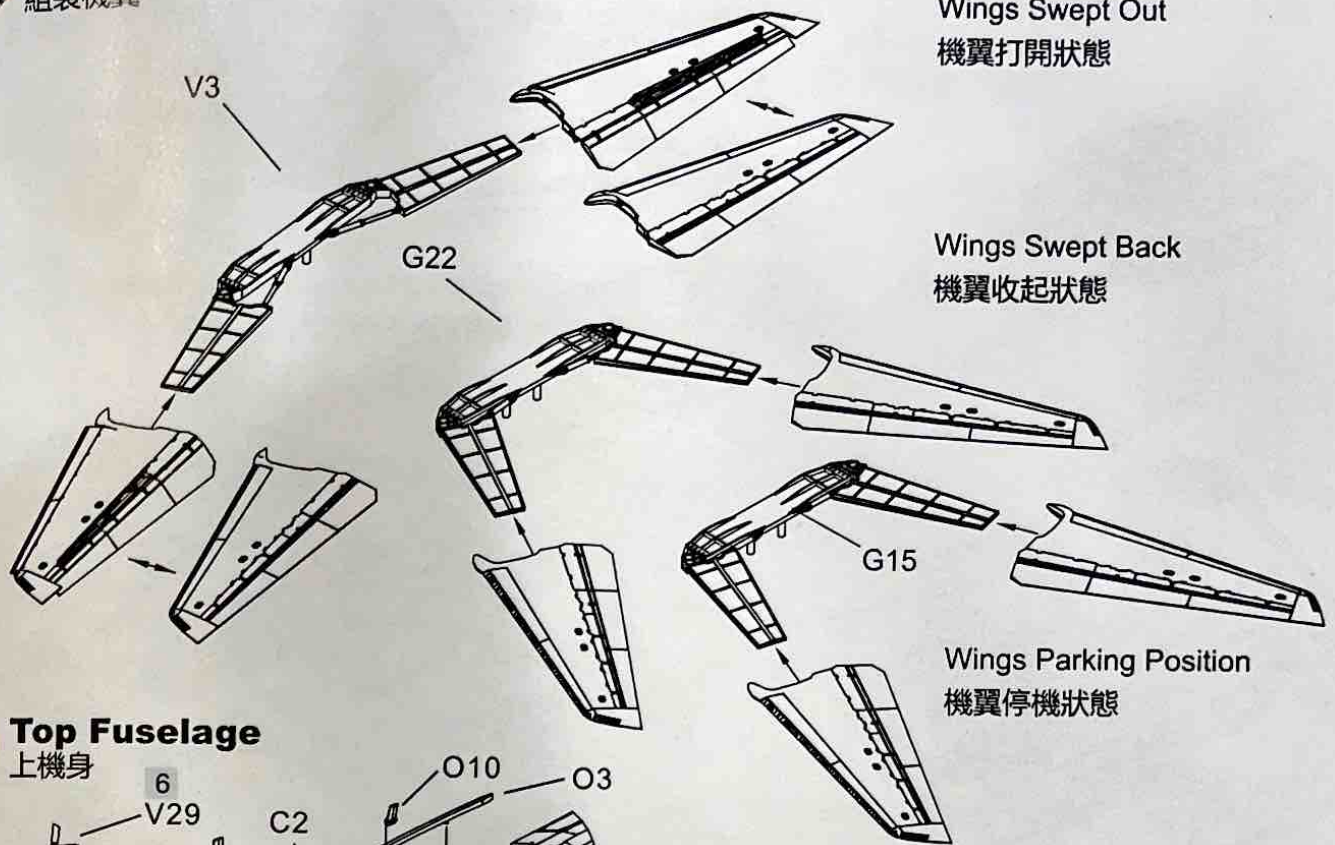


16 Horizontal Tail Wing & Tail 水平尾翼及機尾



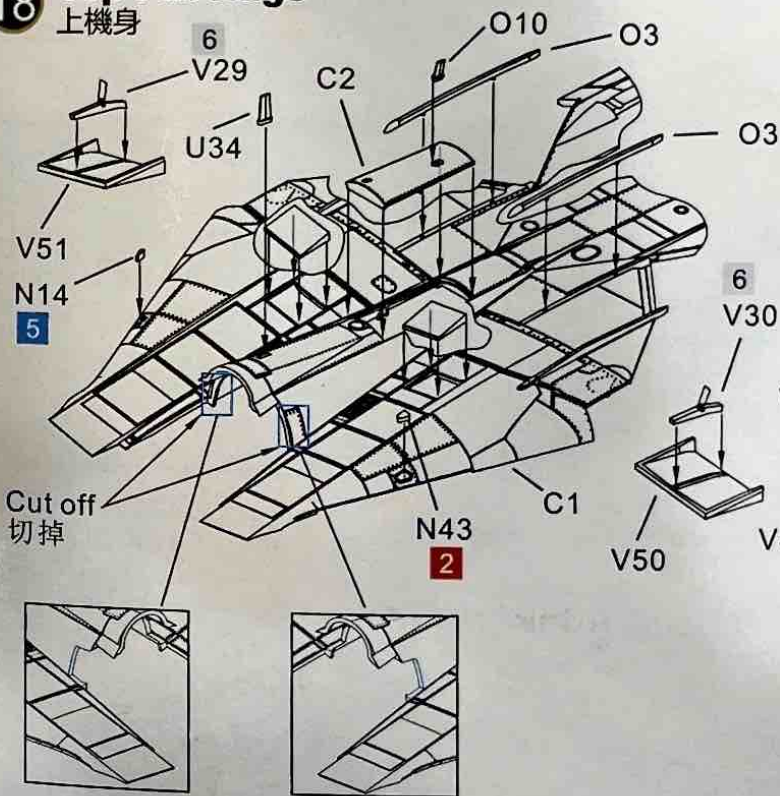
17 Attaching Wings

組裝機翼



18 Top Fuselage

上機身



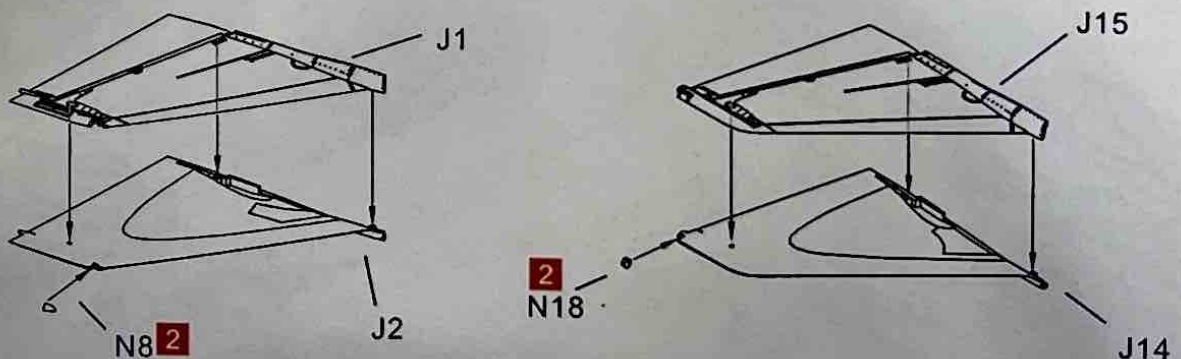
Wings Swept Back
機翼收起狀態

Wings Swept Out
機翼打開狀態



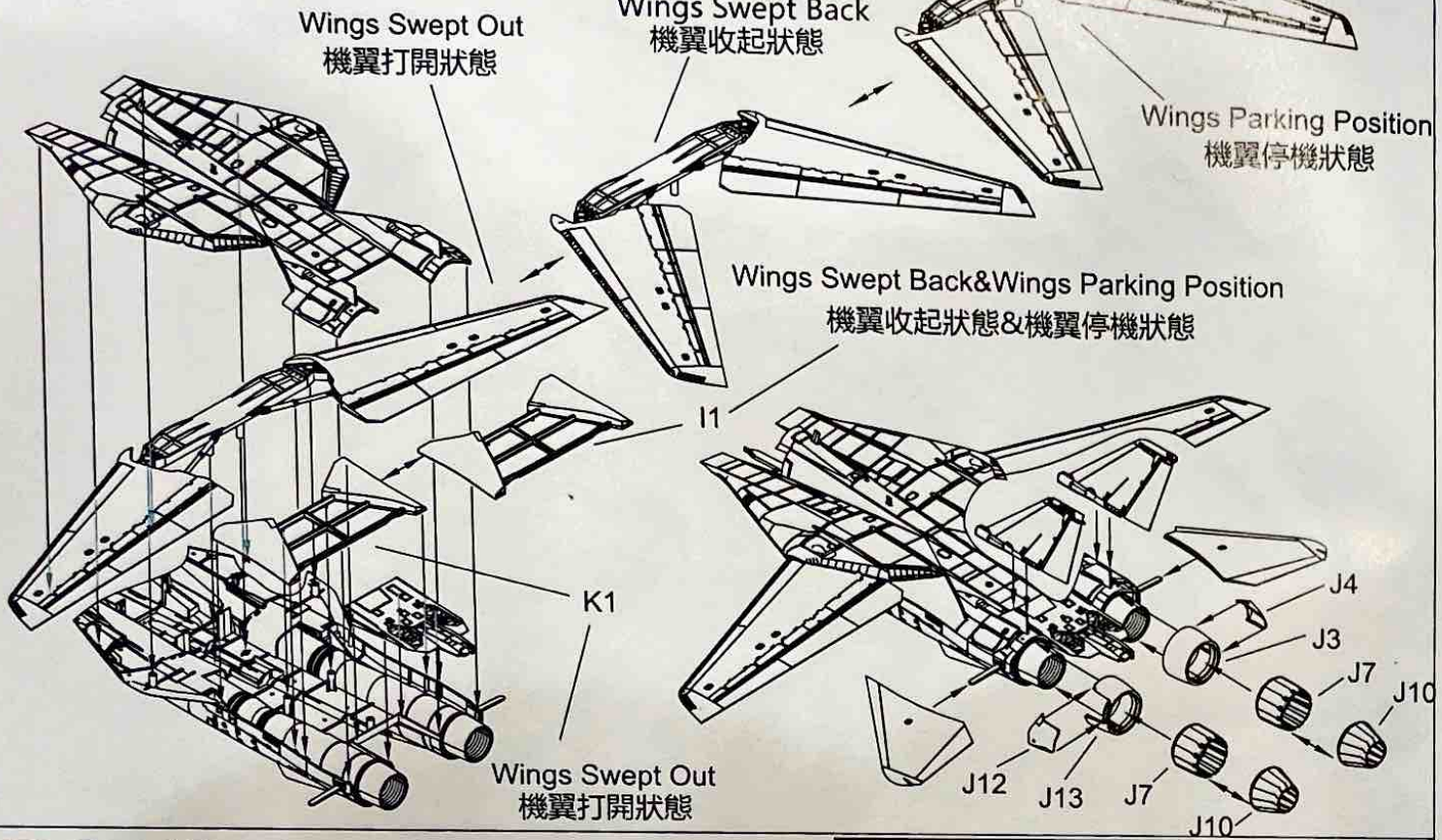
19 Vertical Tail Wings

垂直尾翼



20 Closing Fuselage & Attaching Nozzles

組合機身 & 組裝尾噴口

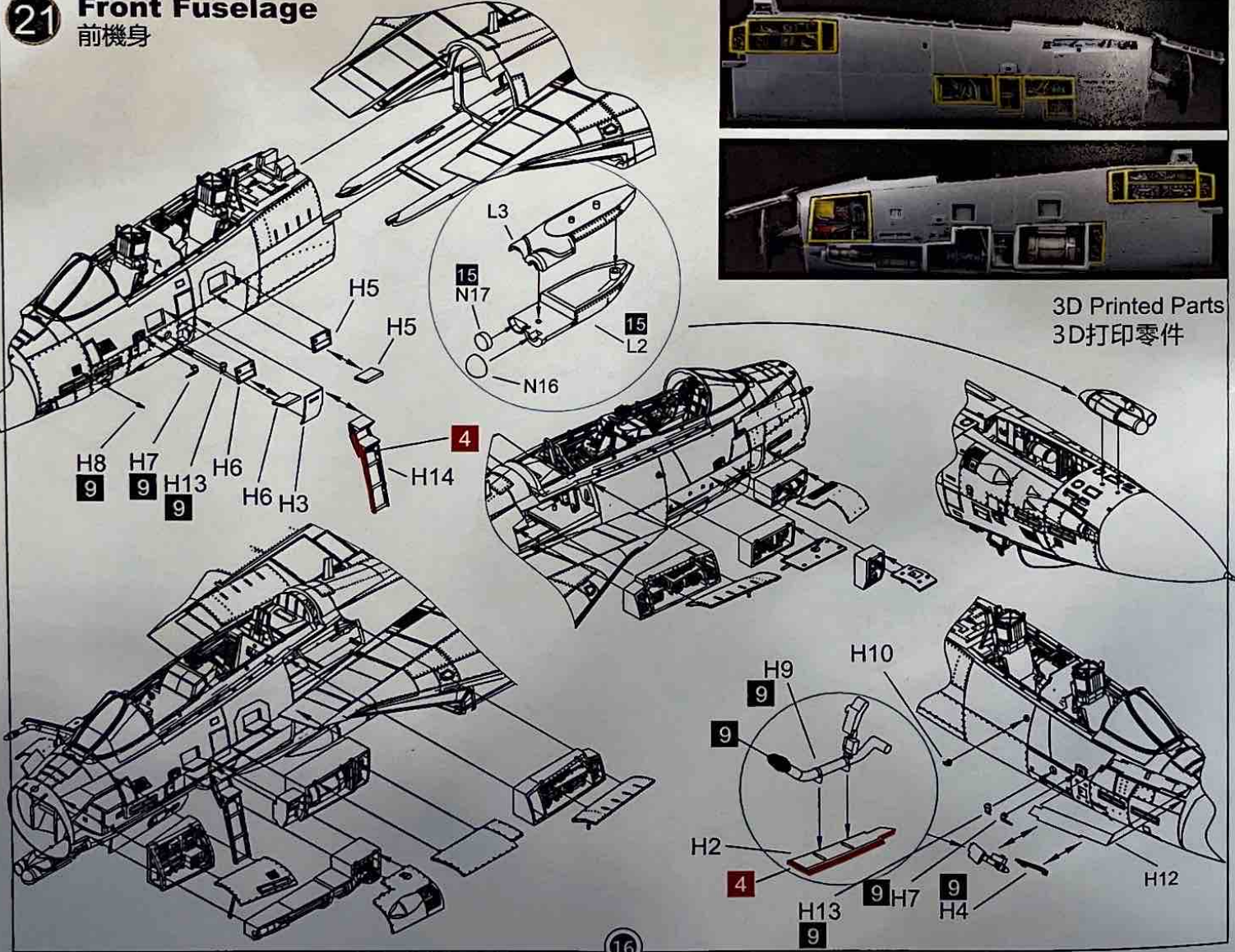


21 Front Fuselage

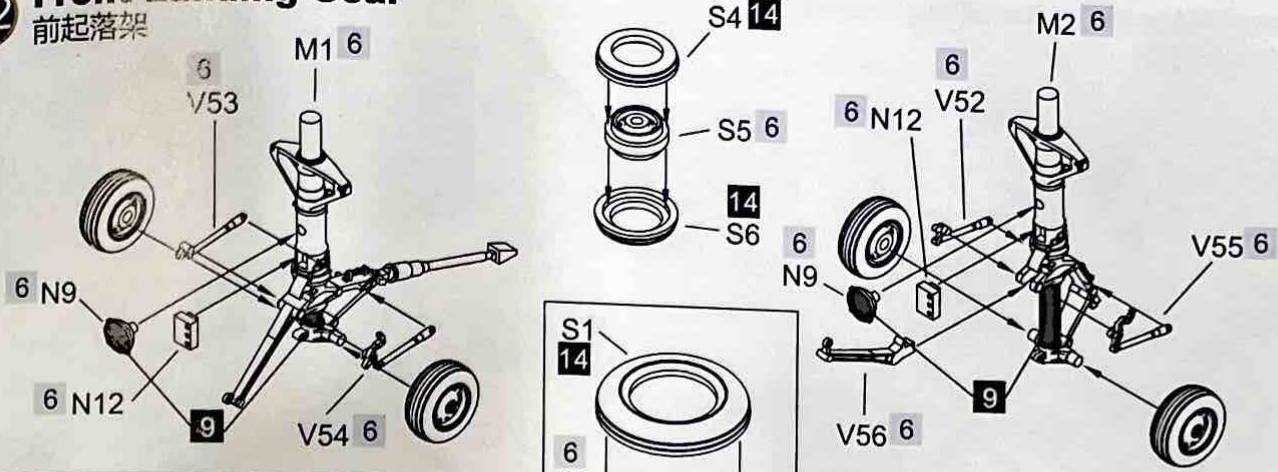
前機身



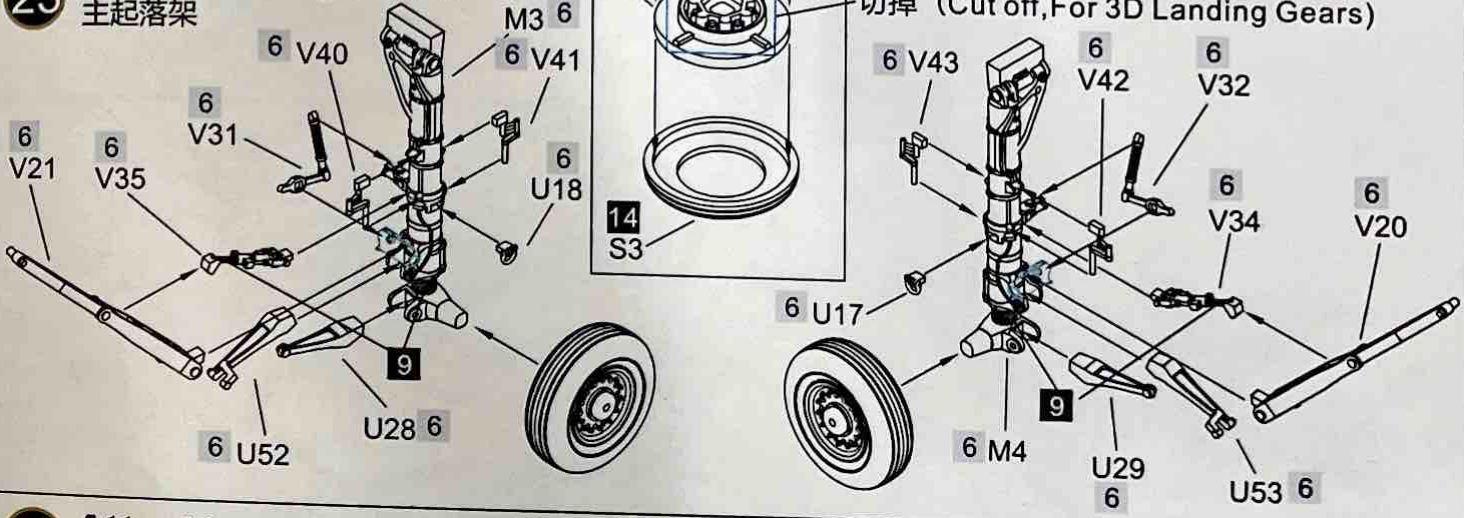
3D Printed Parts
3D打印零件



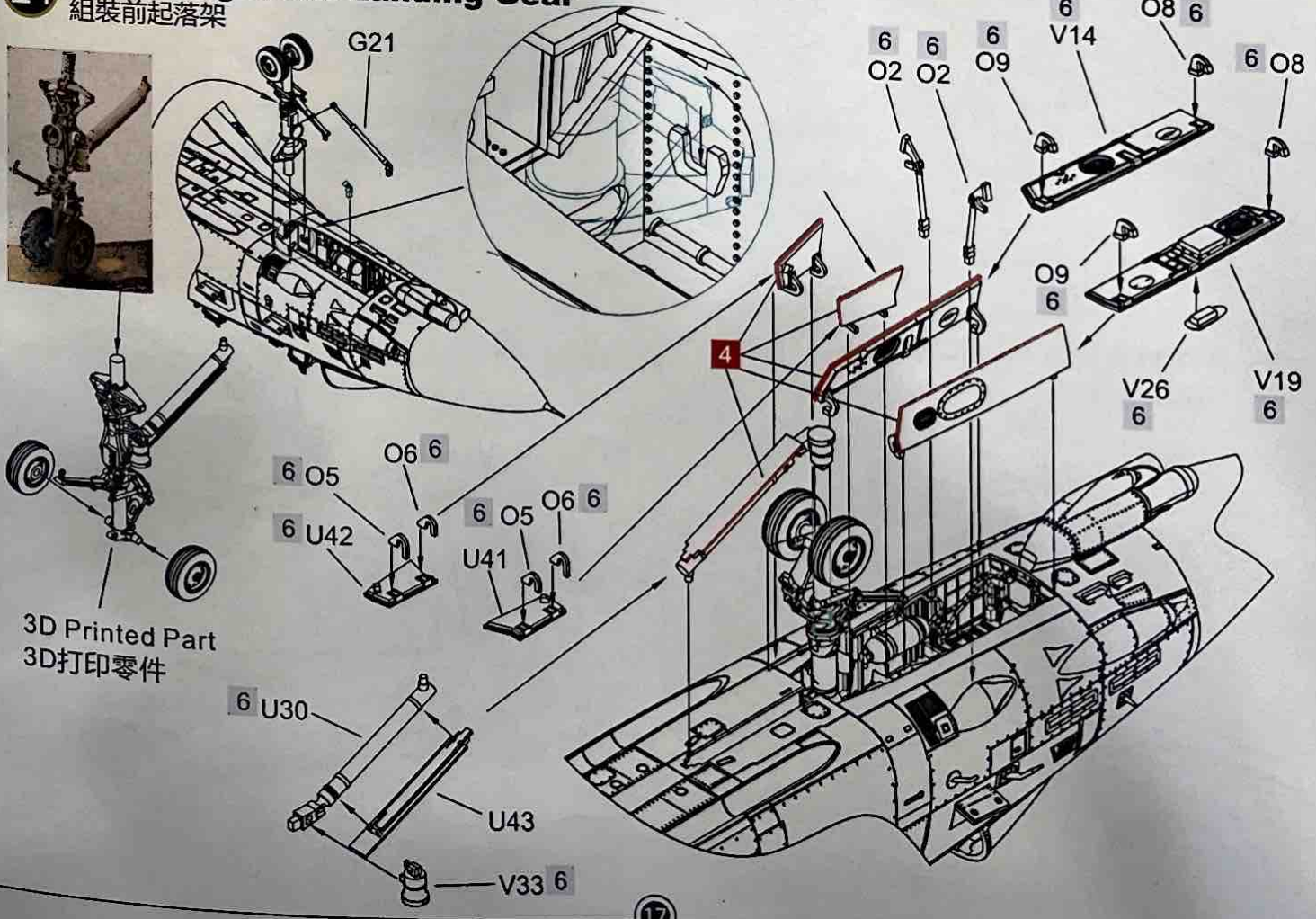
22 Front Landing Gear 前起落架



23 Main Landing Gears 主起落架

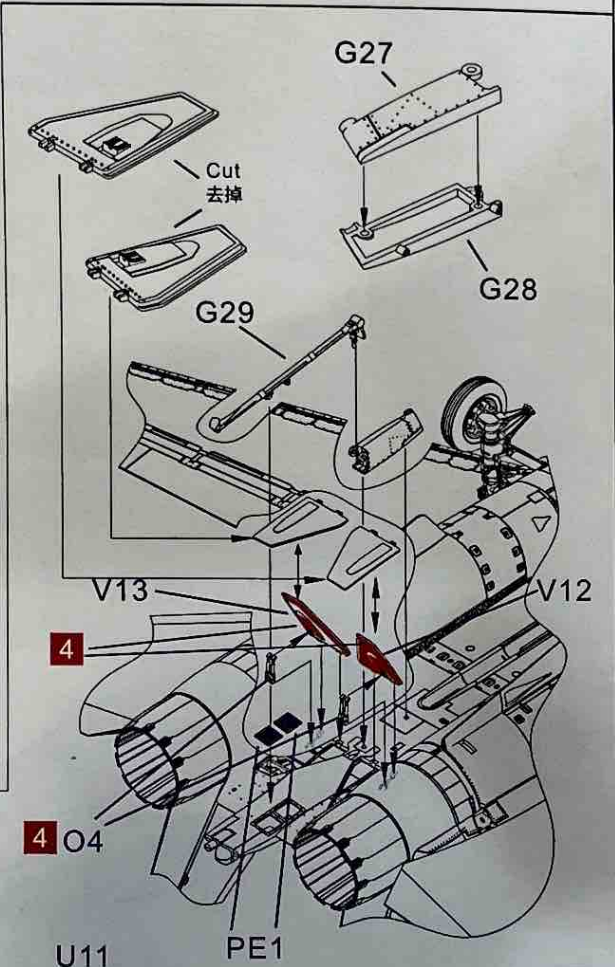
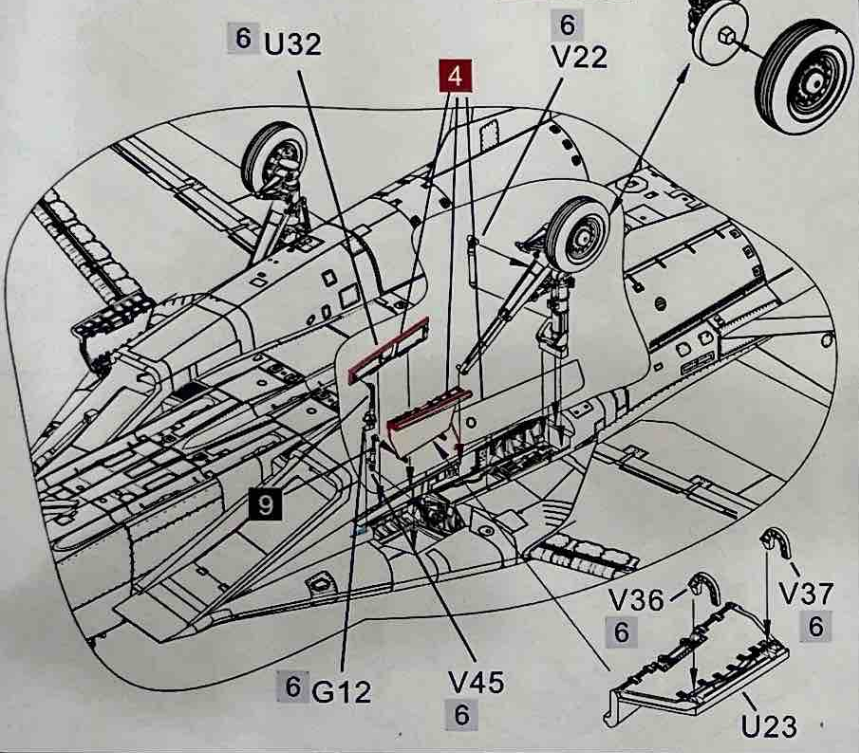
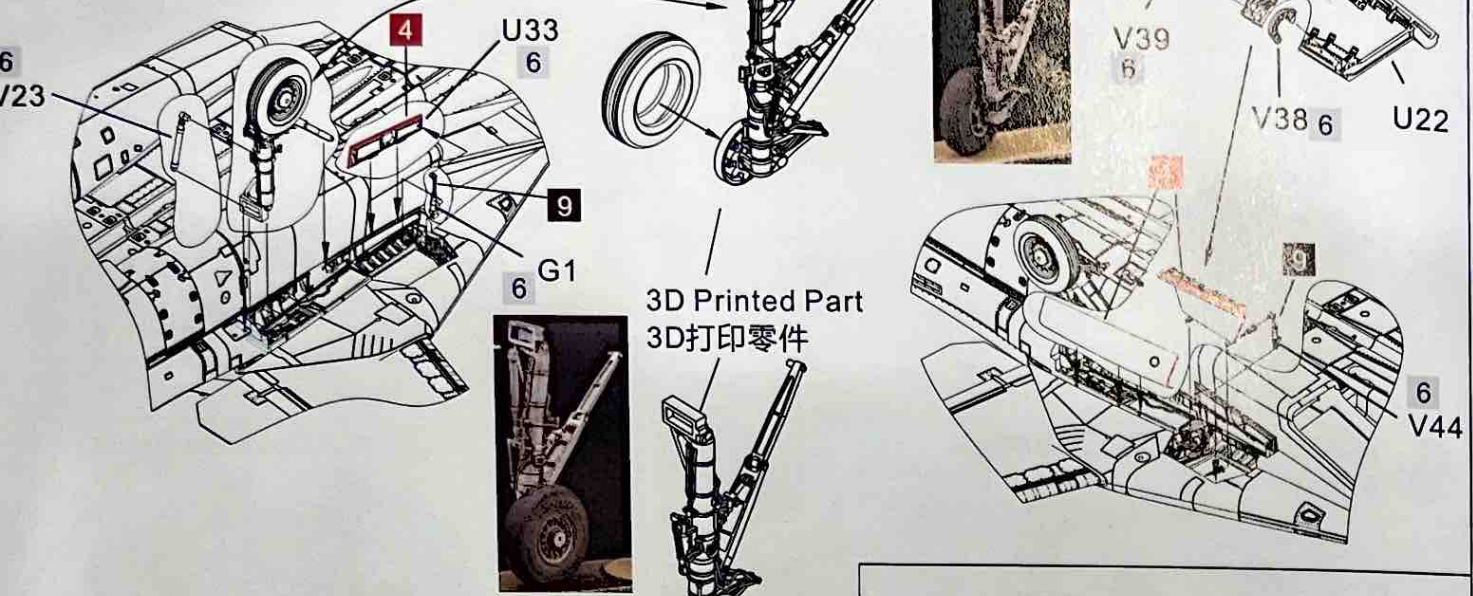


24 Attaching Front Landing Gear 組裝前起落架



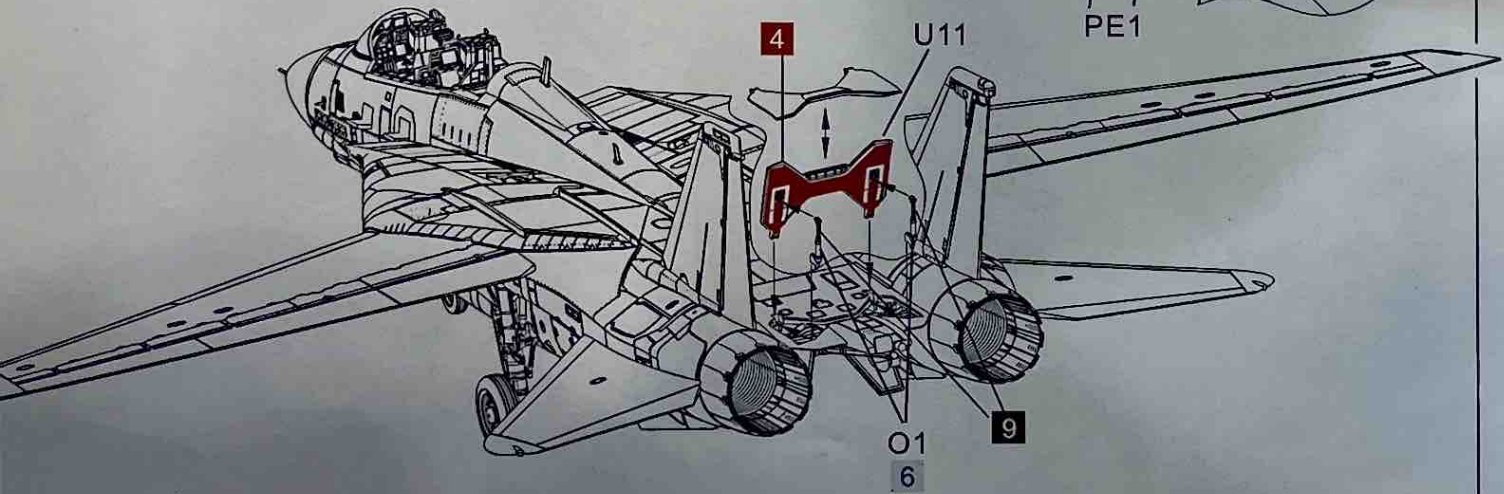
25 Attaching Main Landing Gears

組裝主起落架

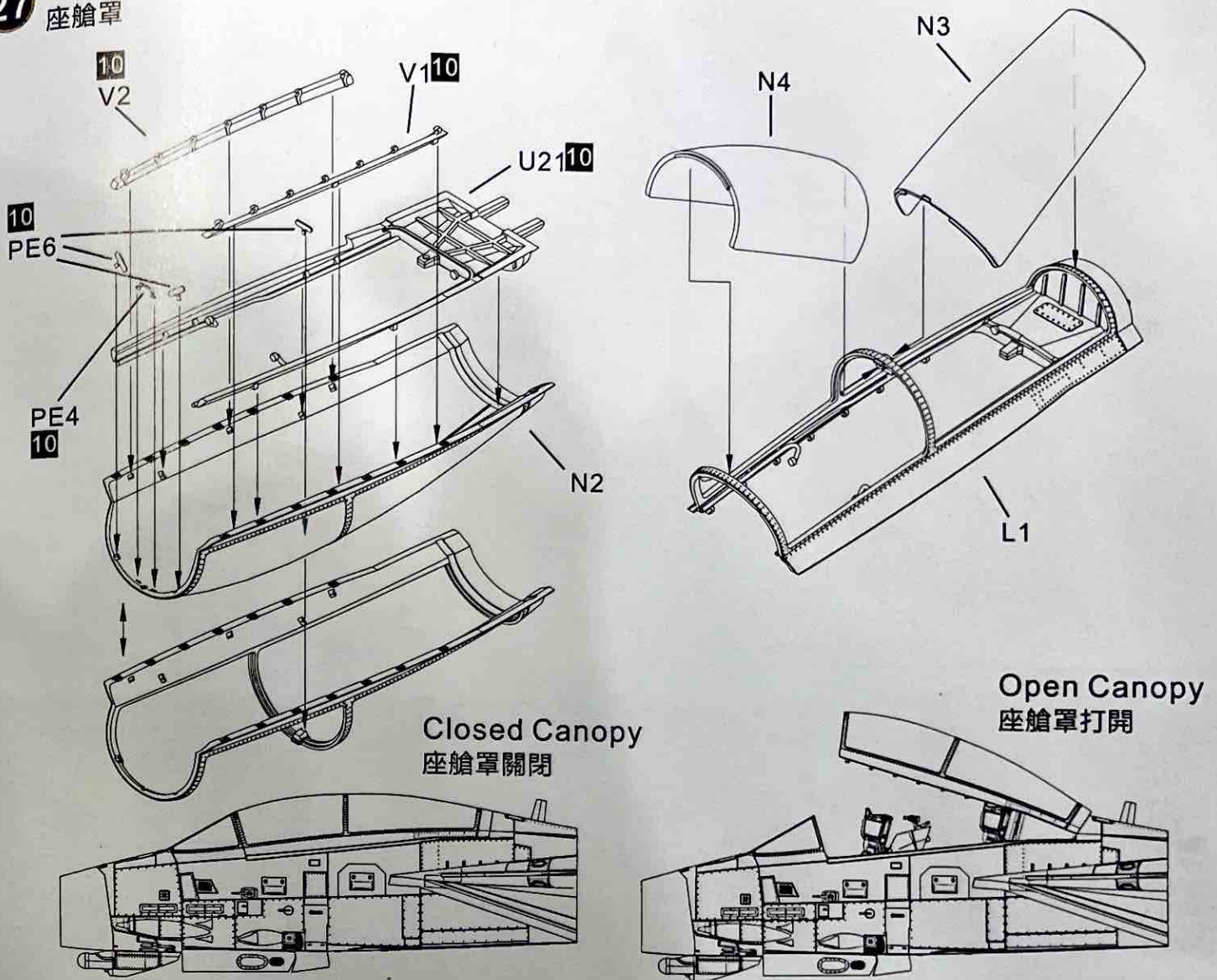


26 Attaching Air Brakes

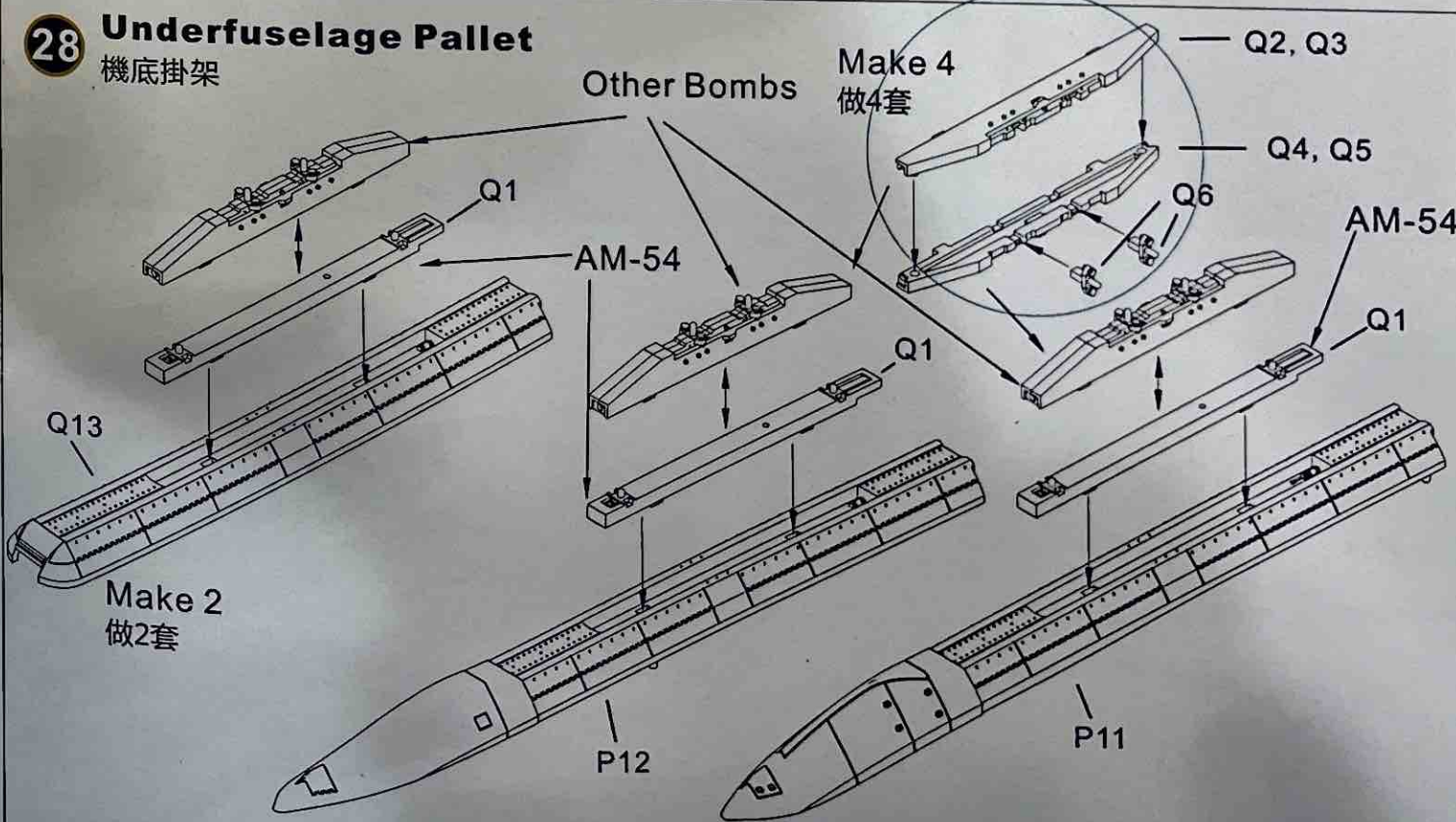
組裝減速板



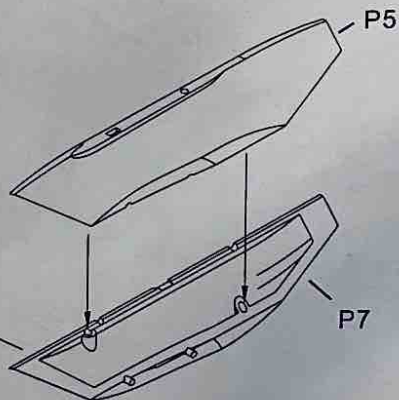
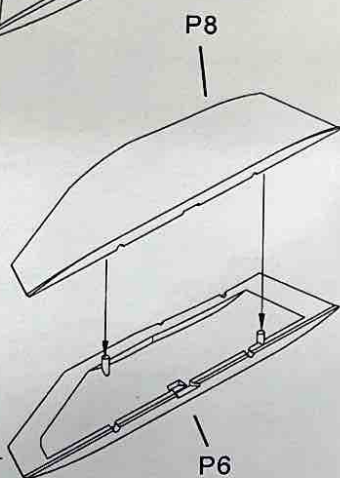
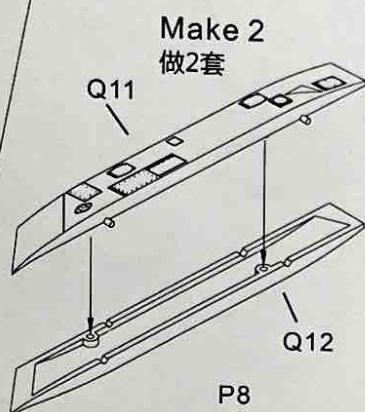
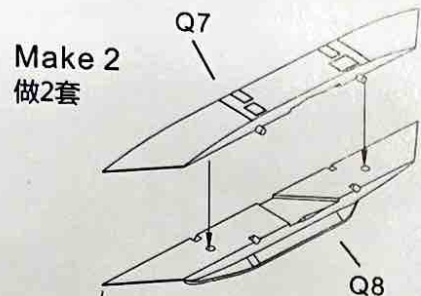
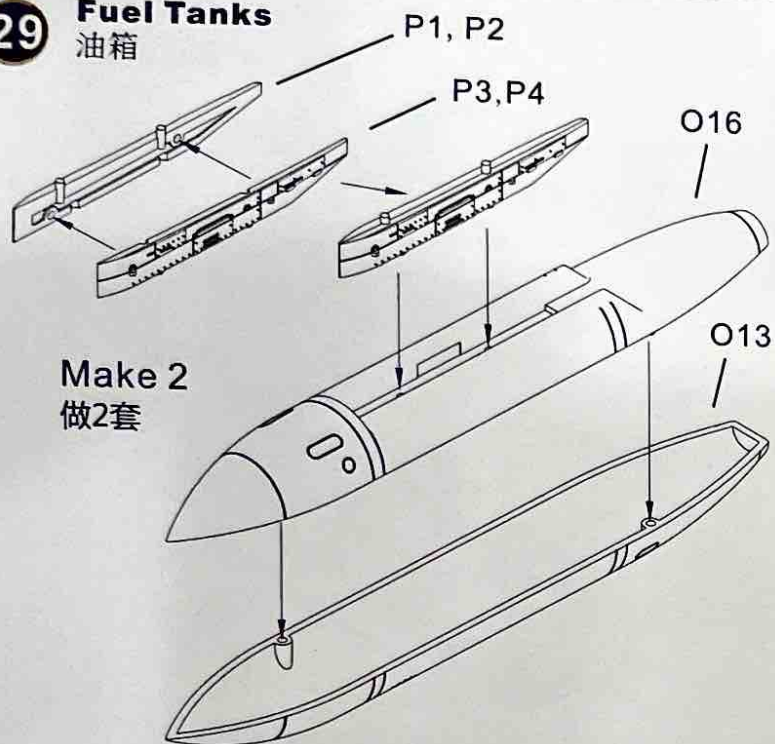
27 Canopy 座艙罩



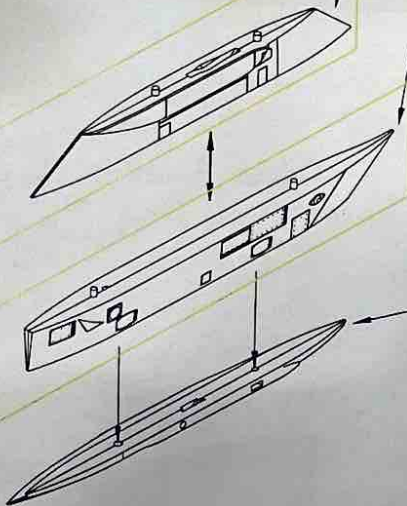
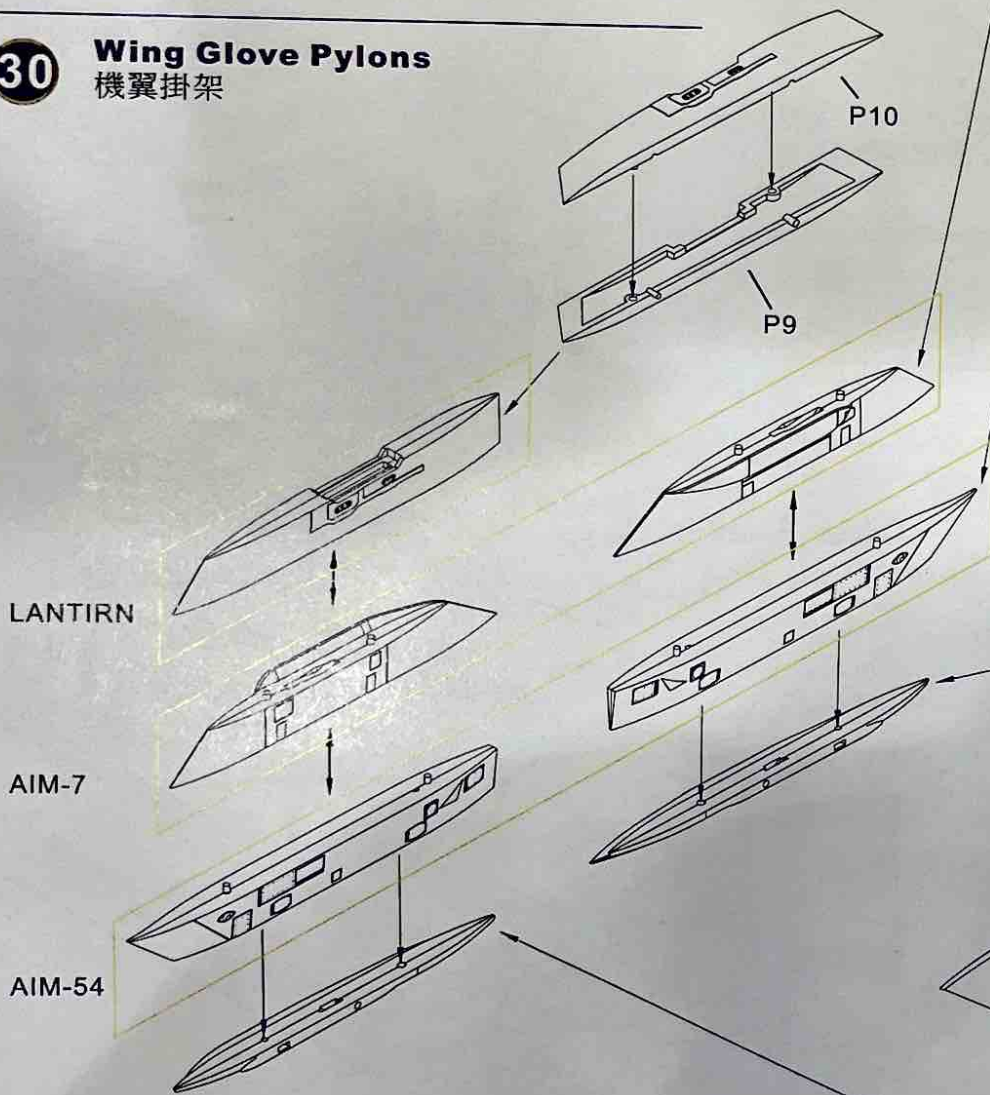
28 Underfuselage Pallet 機底掛架

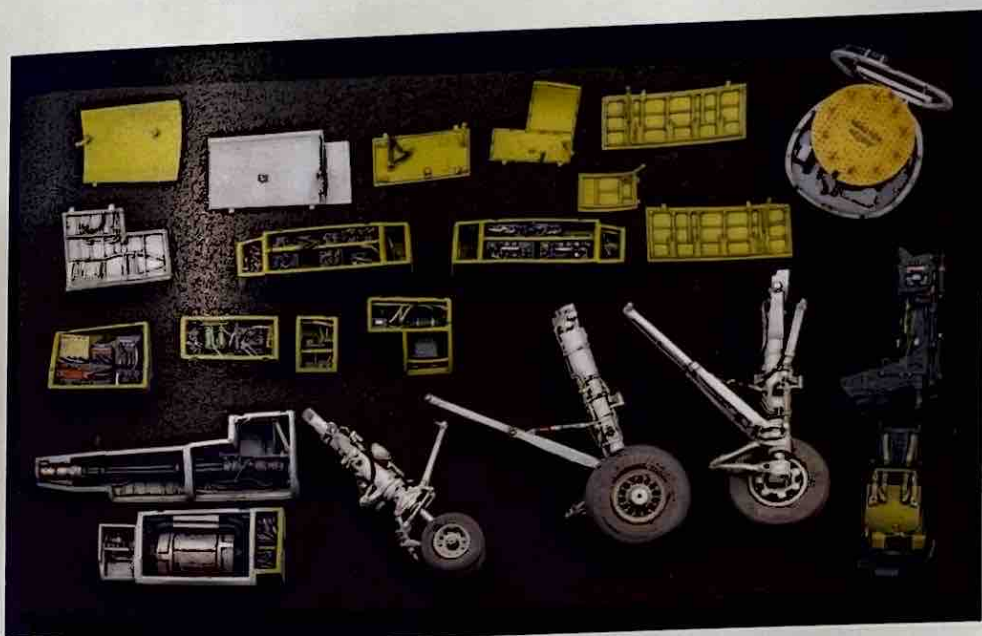
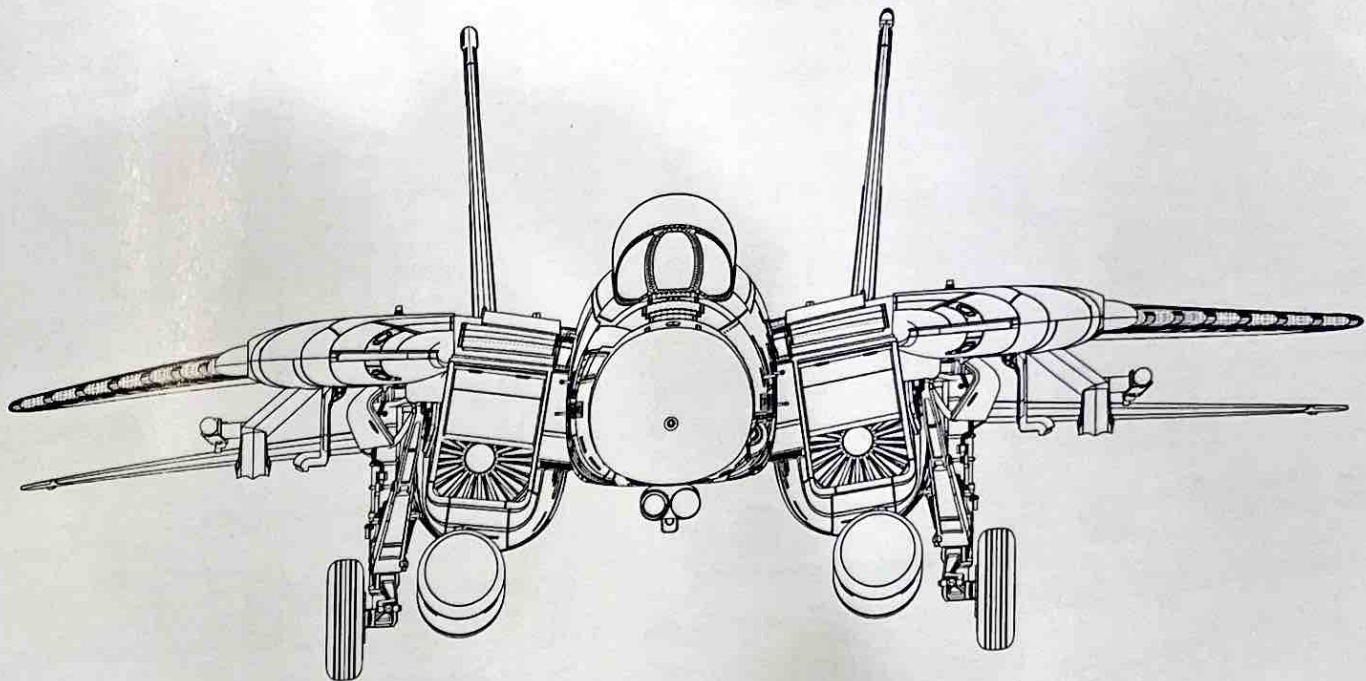


29 Fuel Tanks 油箱



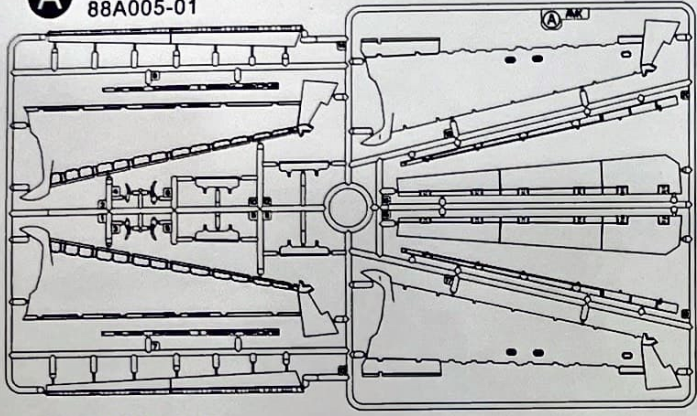
30 Wing Glove Pylons 機翼掛架



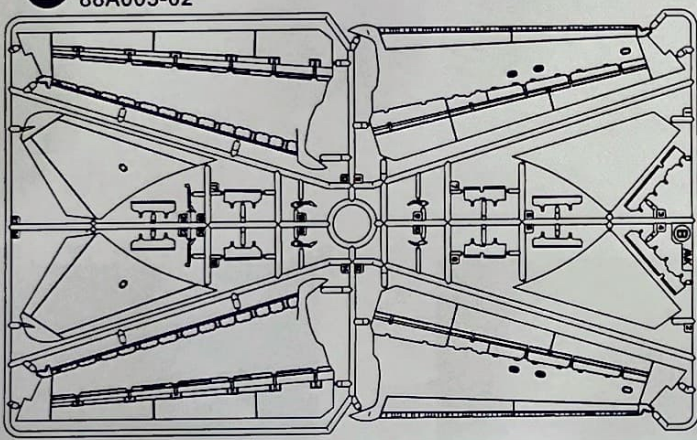


PARTS

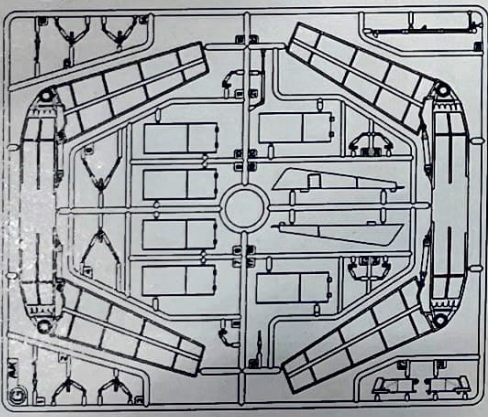
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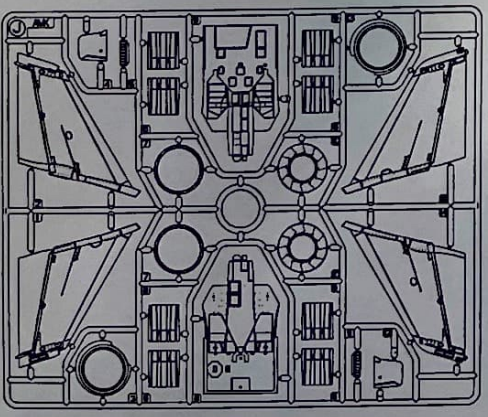
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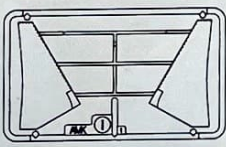
C PARTS X1
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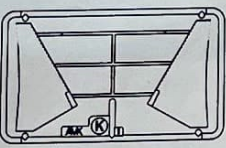
J PARTS X1
88A005-10



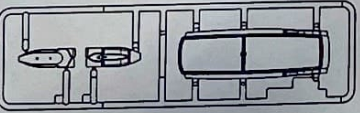
K PARTS X1
88A005-11



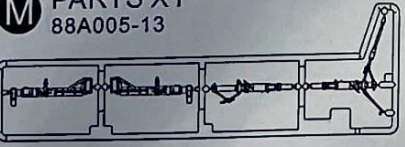
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88A005-09



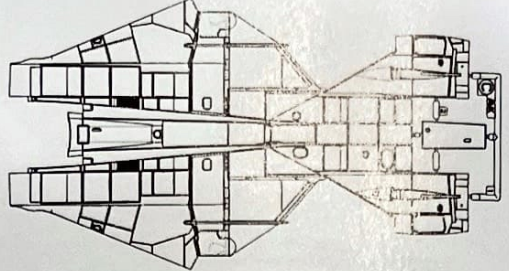
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88A005-12



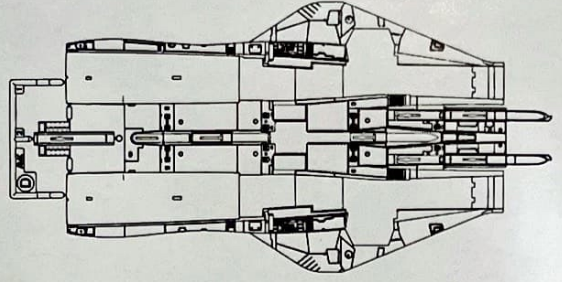
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88A005-13



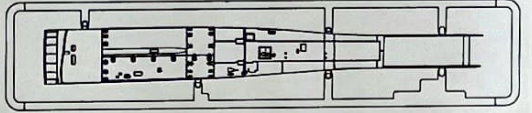
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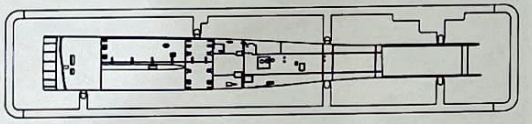
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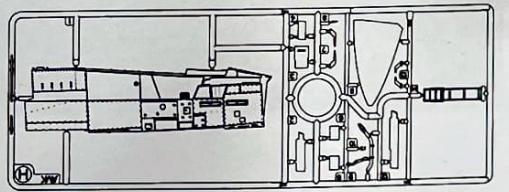
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88A005-05



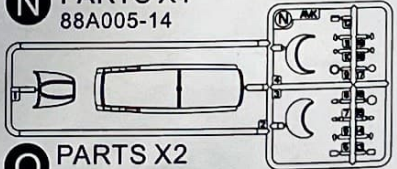
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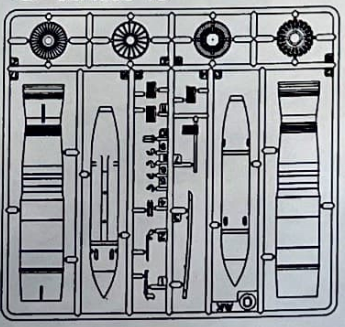
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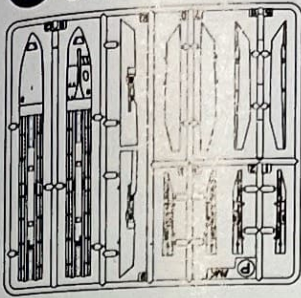
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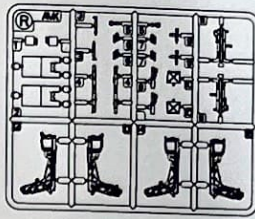
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88A005-15



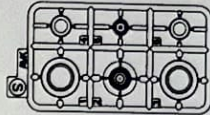
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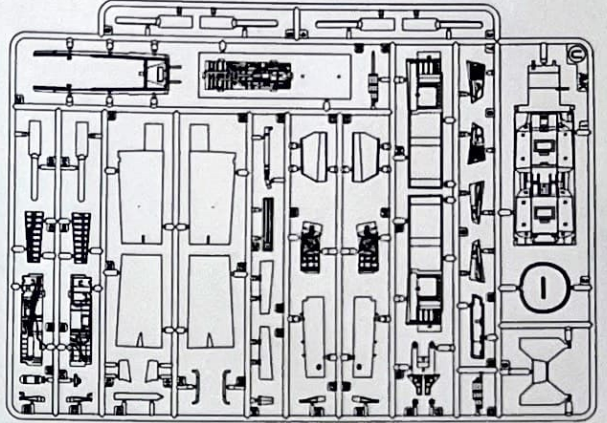
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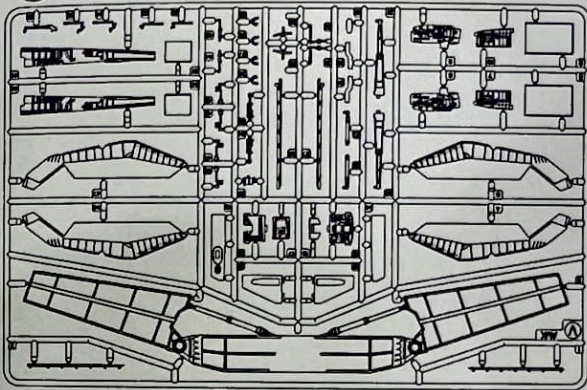
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88A005-19



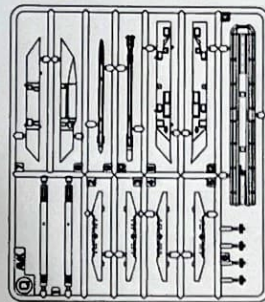
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88A005-21



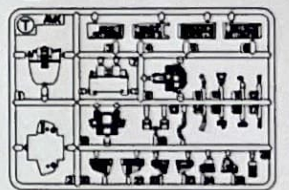
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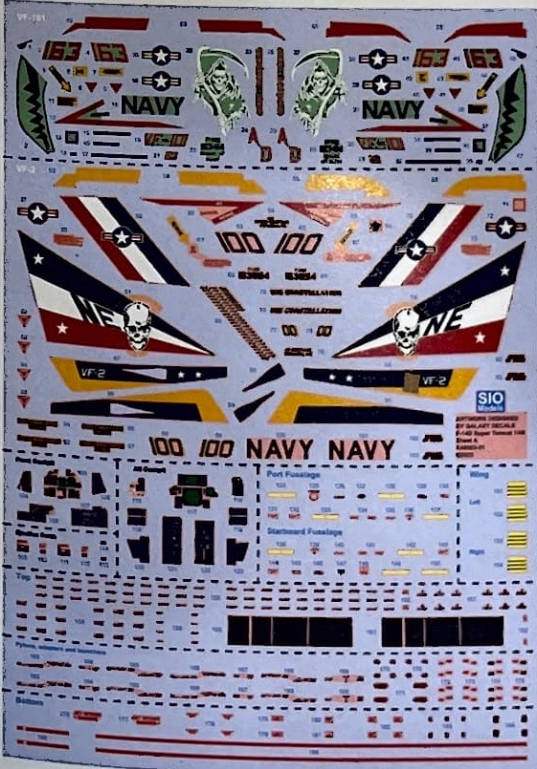
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88A005-17



T PARTS X1
88A005-20



PARTS X1
88A005-34



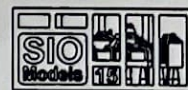
G1 PARTS X 1
48001-G1



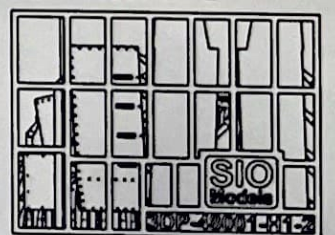
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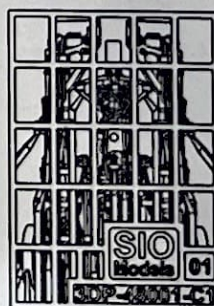
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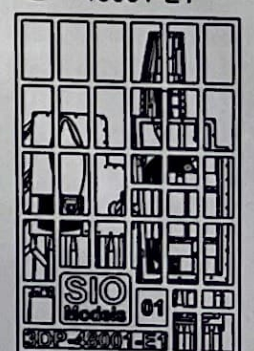
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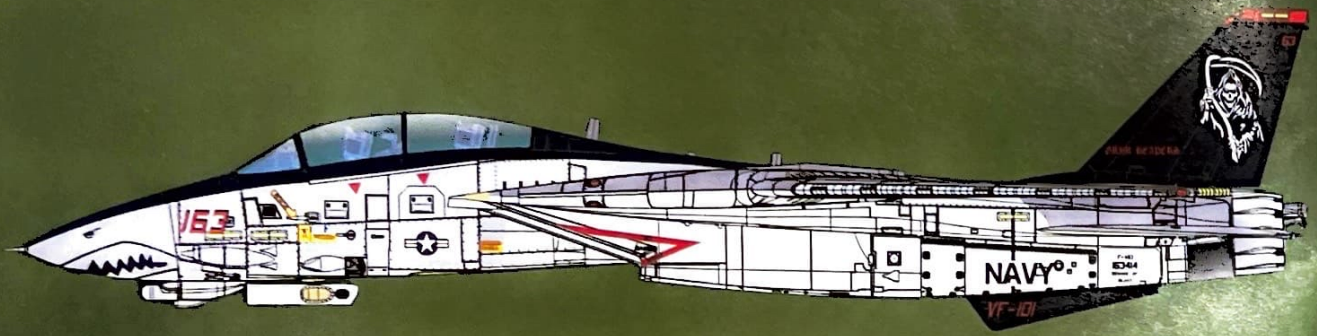
C1 PARTS X 1
48001-C1



E1 PARTS X 1
48001-E1



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