

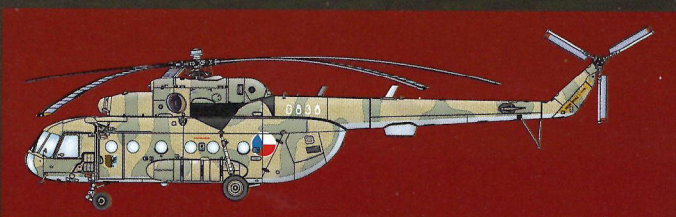


Mi-17 Hip 河馬



1/48 UNASSEMBLED MODEL KIT

INSTRUCTIONS



Mi 17 Hip

米-17直升機

The Mi 17 (in the NATO code Hip) is a versatile medium category helicopter that is among the most widespread helicopters in the world and is still flying in more than 65 countries around the world. This type arose from the development of the Mi 8 helicopter and represents its second generation.

The first prototype of the Mi 8 helicopter took off in the Soviet Union in 1961, initially as a single-engine type. The development then continued in the twin-engine version, and from 1965 its serial production took place. Its significant modernization, designated by the manufacturer as Mi 8 MT (modernized transport), began mass production in 1977. For export, this type was designated as Mi 17. The most significant changes compared to the original Mi 8 of the first generation include the use of TV3-117 type engines and the relocation of the balancing rotor to the left side. It was produced in many modifications. In the second half of the nineties, it was replaced by the third generation designated by the manufacturer as Mi 8 AMT, designated as Mi 171 for export.

In the course of their life, these machines were also modernized in various ways. The most significant change was the use of significantly larger tanks on both sides of the fuselage, additional armoring for helicopters used in the wars in Afghanistan, additional installation of various sensors and antennas of new electronic systems. Some machines have changed their appearance several times during their use.

The kit represents the Mi 17 type of the first series, which were characterized by small tanks on the sides of the fuselage. These helicopters gradually replaced the older Mi 4 helicopters in the air forces of the Warsaw Pact countries and supplemented or replaced the fleets of the original Mi 8. Of course, they were also supplied to many other air forces around the world.

Mi 17 (v kódu NATO Hip) je univerzální vrtulník střední kategorie, který patří mezi nejrozšířenější vrtulníky na světě a dodnes létá ve více než 65 zemích světa. Tento typ vznikl vývojem vrtulníku Mi 8 a představuje jeho druhou generaci.

První prototyp vrtulníku Mi 8 vzletl v Sovětském svazu v roce 1961, původně jako jednomotorový typ. Vývoj pak pokračoval již v dvumotorovém provedení a od roku 1965 probíhala jeho sériová výroba. Jeho výrazná modernizace označovaná výrobcem Mi 8 MT (modernizovaný transportní) se začala sériově vyrábět v roce 1977. Pro export byl tento typ označen jako Mi 17. K nejvýraznějším změnám oproti původnímu Mi 8 první generace patří použití motorů typu TV3-117 a přemístění vyrovnávacího rotoru na levou stranu. Vyráběl se v mnoha modifikacích. V druhé polovině devadesátých let jej nahradila třetí generace označená výrobcem jako Mi 8 AMT, pro export označovaná jako Mi 171.

V průběhu jejich života byly i tyto stroje nejrůznějšími způsoby modernizovány. Nejvýraznější změnou bylo použití výrazně větších nádrží na obou stranách trupu, přídatné pancéřování u vrtulníků používaných ve válkách v Afganistánu, dodatečná montáž nejrůznějších čidel a antén nových elektronických systémů. Některé stroje svůj vzhled změnily i několikrát během svého používání.

Stavebnice představuje typ Mi 17 prvních sérií, které se vyznačovaly malými nádržemi na bocích trupu. Tyto vrtulníky postupně nahradily v letectvech států Varšavské smlouvy starší vrtulníky Mi 4 a doplnily či nahradily i flotily původních Mi 8. Byly samozřejmě dodávány i do mnoha dalších letectev po celém světě.

米-17 (北約代碼“河馬”)是一種多功能中型直升機，是世界上使用最廣泛的直升機之一，目前仍在全球超過65個國家/地區飛行。這種類型源於米-8直升機的開發，代表了它的第二代。

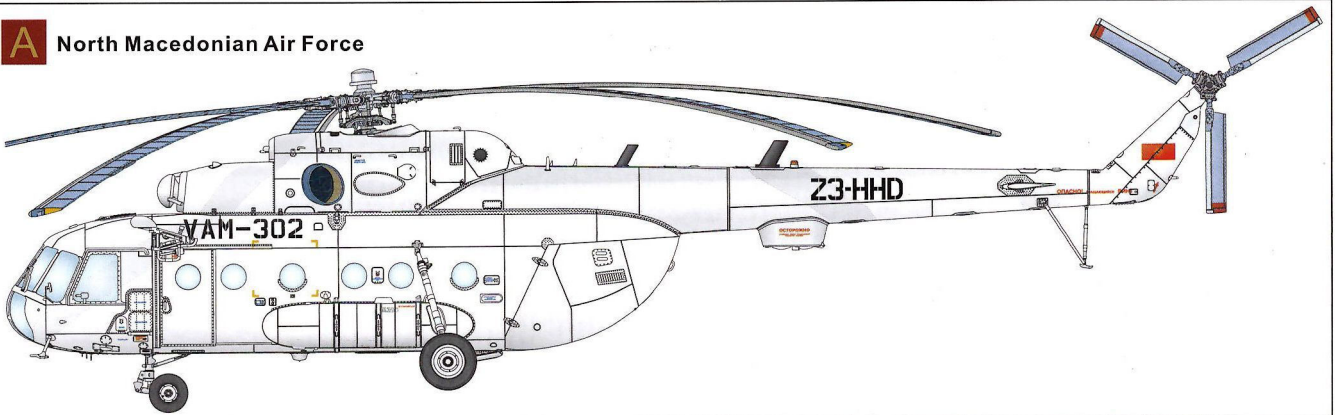
米-8直升機的第一架原型機於1961年在蘇聯起飛，最初是單引擎類型。然後開發了雙引擎版本，並從1965年開始進行批量生產。它的重大現代化，由製造商指定為米-8 MT (現代化運輸)，於1977年開始大量生產。對於出口，這種類型被指定為米-17。與第一代原始米-8相比，最顯著的變化包括使用TV3-117型發動機並將平衡轉子移至左側。它是在許多修改中產生的。上世紀九十年代後半期，被廠商指定為米-8 AMT的第三代代號，外銷指定為米-171。

在他們的生命過程中，這些機器也以各種方式進行了現代化改造。最顯著的變化是機身兩側使用了更大的油缸，為阿富汗戰爭中使用的直升機增加了裝甲，額外安裝了各種傳感器和新電子系統的天線。有些機器在使用過程中多次改變外觀。

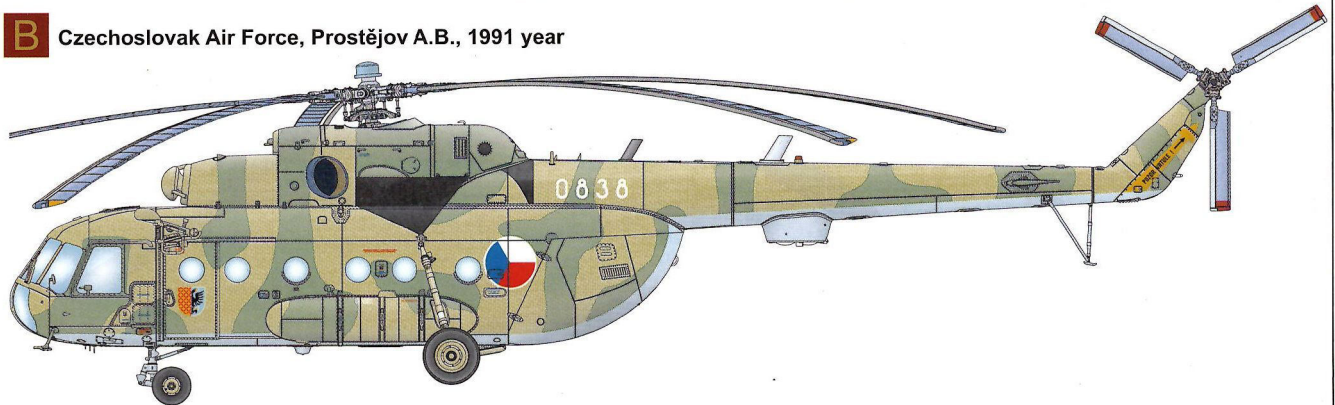
該機型代表了米-17的第一個系列，其特點是機身側面的小型油缸。這些直升機逐漸取代了華約國家空軍中較老的米-4直升機，並補充或替代了原米-8的機隊。當然，它們也供應給了世界各地的許多其他空軍。

This kit provides a choice of 3 types of markings. Select one before assembly.
 本模型提供3種塗裝，請於組裝前選擇合適的塗裝。

A North Macedonian Air Force



B Czechoslovak Air Force, Prostějov A.B., 1991 year



C Czech Air Force, Píerov A.B.

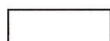
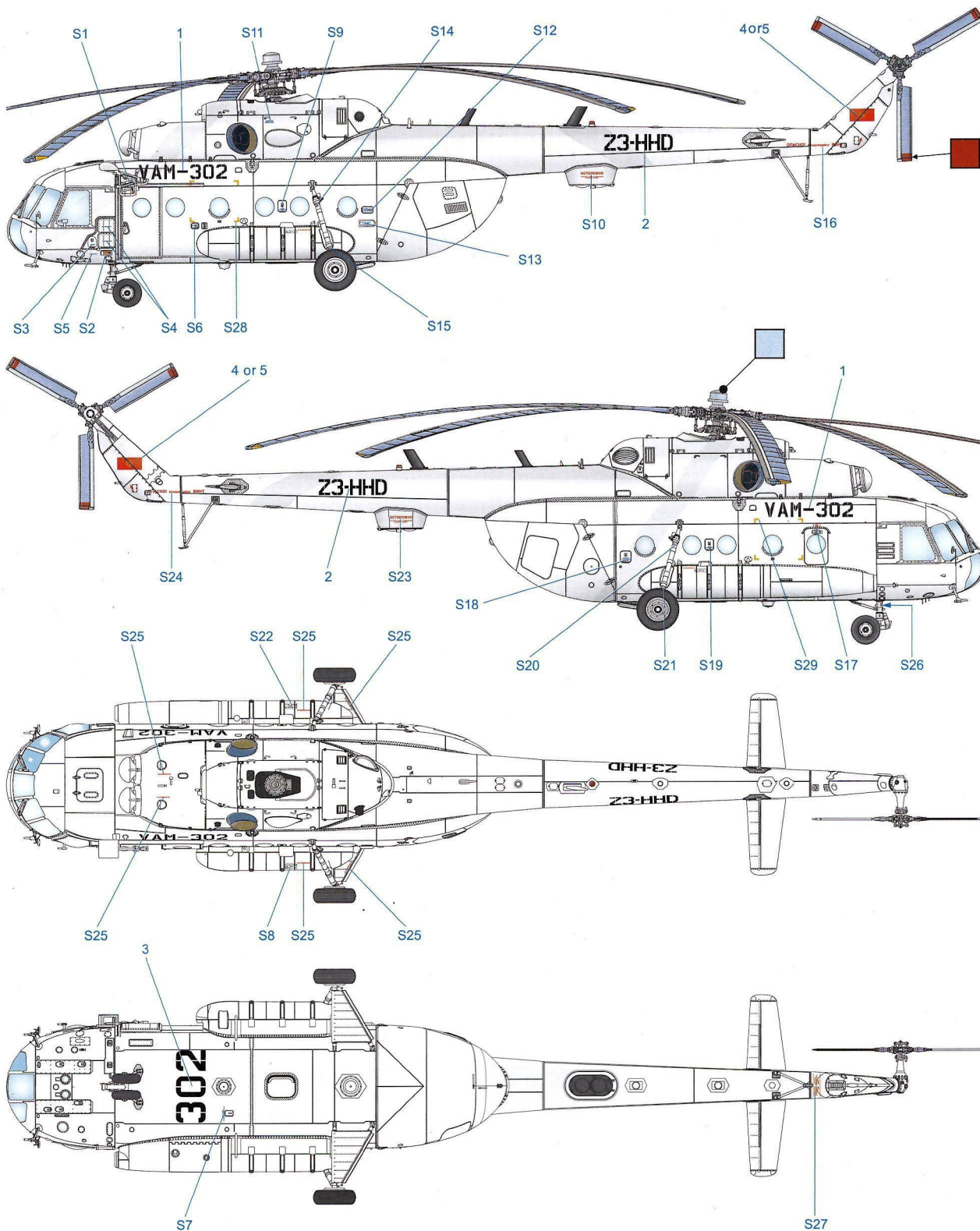


- ★ 產品不適合8歲以下的兒童。
- ★ 產品中含有帶尖點的小零件。
- ★ 對於3歲以下兒童當心因窒息產生的危害。

NOT SUITABLE FOR CHILDREN UNDER 8 YEARS OF AGE
 BEWARE: CONTAINS SMALL, SHARP PARTS
 CHOKING HAZARD FOR THOSE UNDER 3 YEARS!

PAINT AND COLOR USED

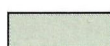
1	紅色 Red	C3	2	綠色 Green	FS 14090	C6	3	銀色 Silver	FS 17178	C8	
4	中性灰 Neutral Grey	FS 36495	C13	5	消光黑 Flat Black	FS 37038	C33	6	棕色 Tan	FS 10115	C44
7	原野灰 Field Gray	FS 36165	C52	8	燒鐵色 Burnt Iron	FS 26132	C61	9	消光白 White	FS 37875	C62
10	米白色 White	FS 17875	C69	11	超空藍 Air Superiority Blue	FS 35450	C74	12	亮紅 Red	FS 31350	C79
13	鈷藍色 Blue	FS 35052	C80	14	黃色 Yellow	FS 33538	C113	15	黑灰色 Black Grey	RAL 7021	C116
16	亮藍色 Light Blue	FS 35526	C117	17	灰綠色 Greyish Green	FS 36595	C128	18	輪胎黑 Tire Black	FS 25049	C137
19	中戰艦灰色 Medium Gunship Grey	FS 36118	C305	20	中灰色 Medium Grey	FS 36270	C306	21	灰色 Grey	FS 36375	C308
22	綠松石綠 Interior Turquoise	FS 14115	C391	23	內飾藍色 Interior Blue	FS 15200	C392	24	綠色 Green	FS 34096	C340



FS 37875 C62



FS 31350 C79



FS 35526 C117

Decal No.4

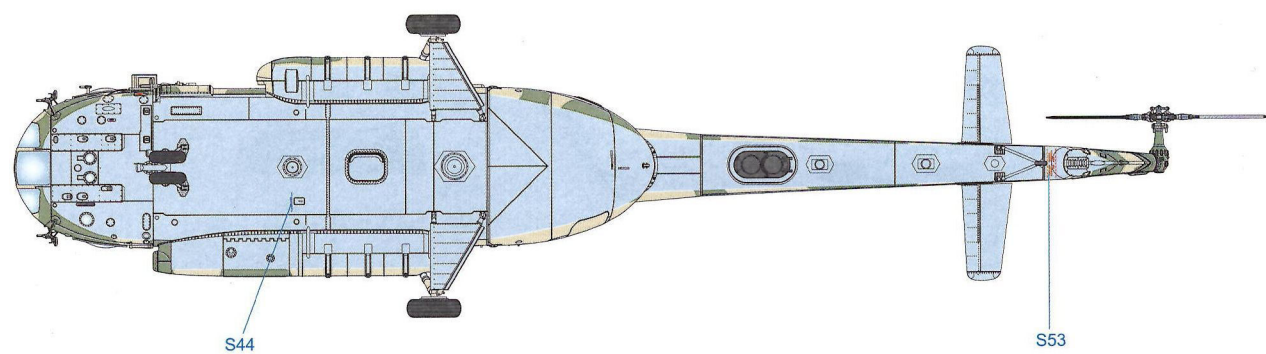
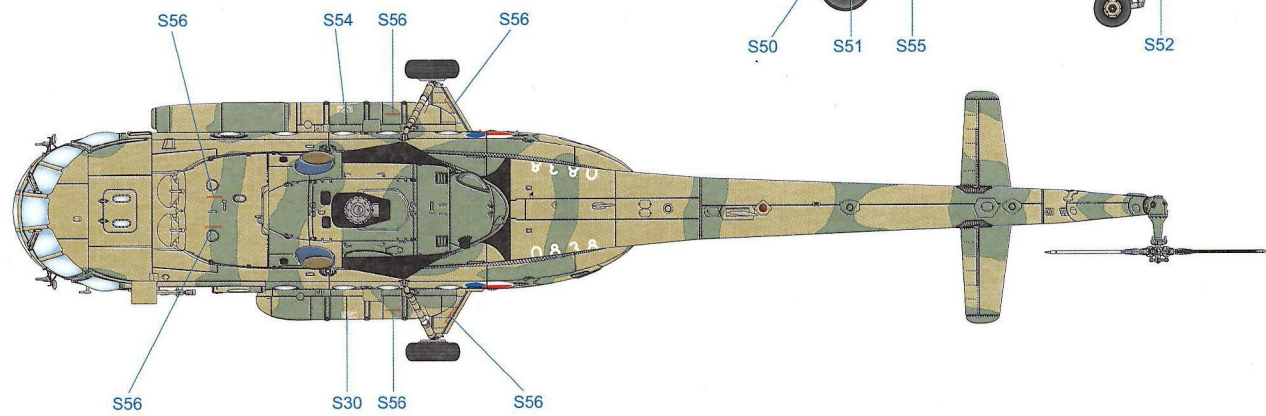
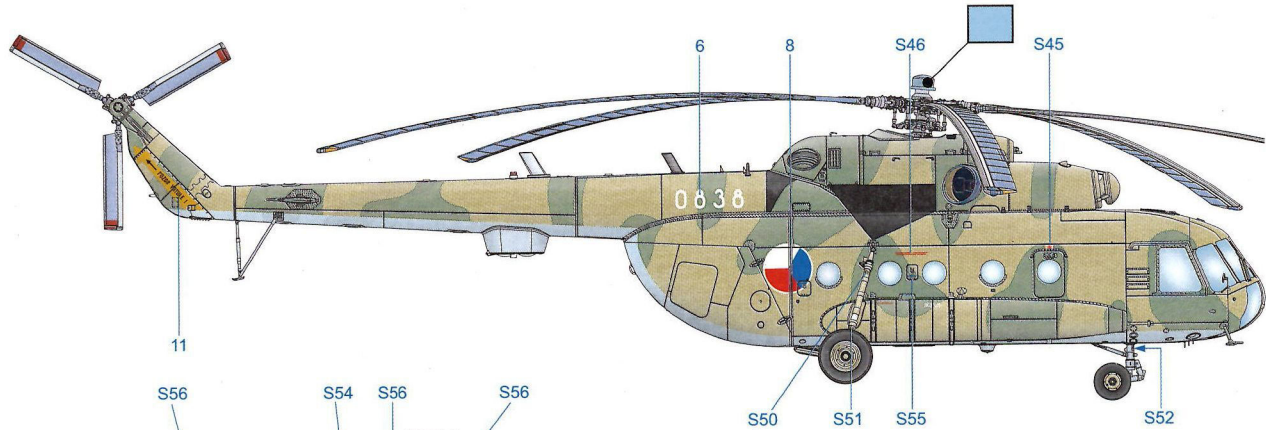
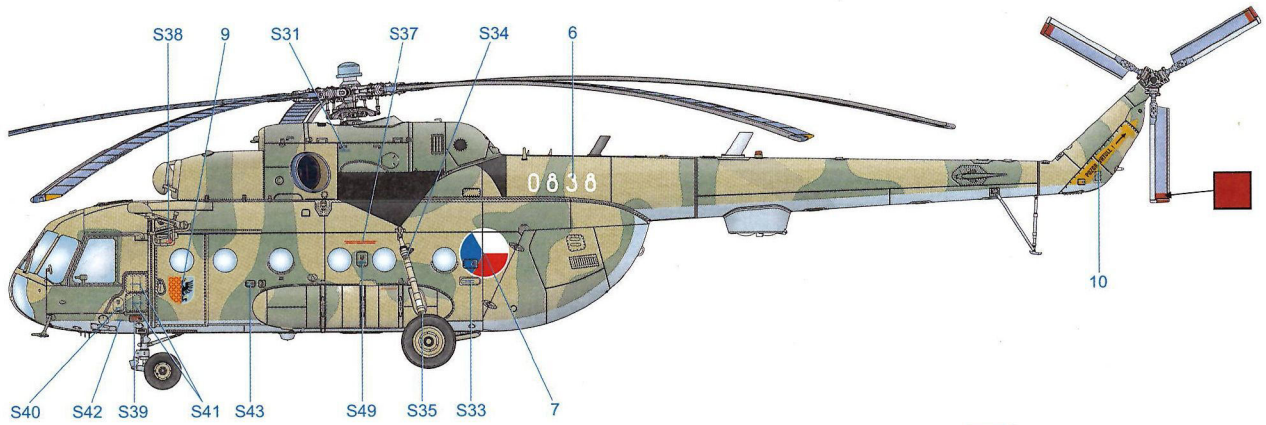


Old Macedonian flag (from June 1994 to October 1995)

Decal No.5



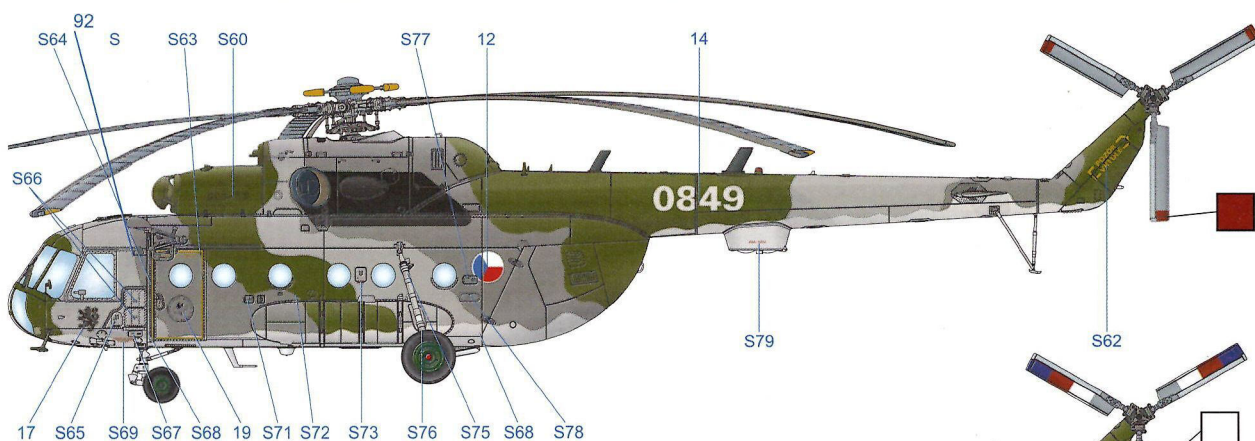
New Macedonian flag (from October 1995)



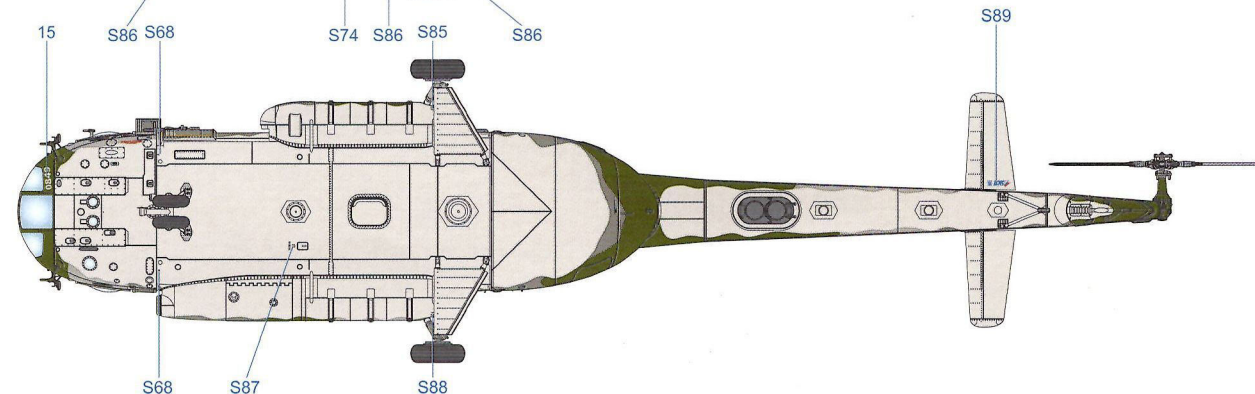
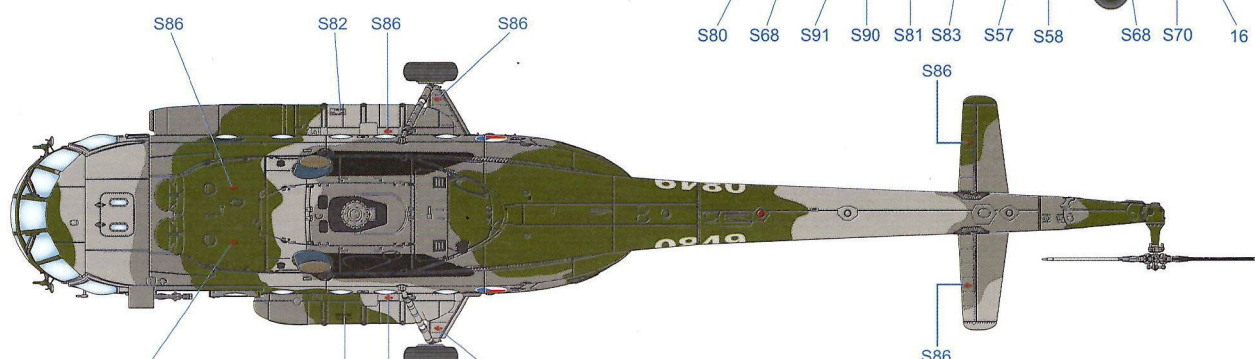
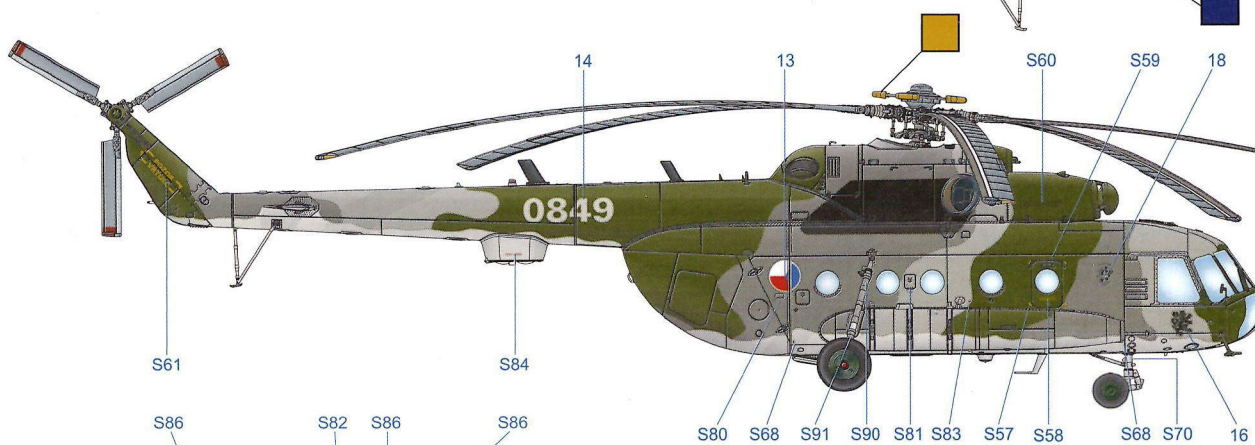
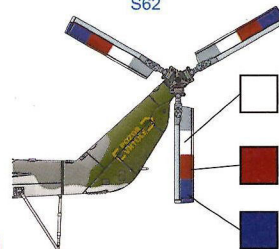
	FS 35450	C74		FS 36595	C128
	FS 31350	C79		FS 36165	C52
	FS 35526	C117			

This machine participated in the first performance of Czechoslovakia. Air Force in Western Europe in Payerne, Switzerland in September 1991

Czechoslovak Air Force, Prostějov A.B., 1991 year



This machine flew in 2002 with the tricolour on the tail rotor blades.

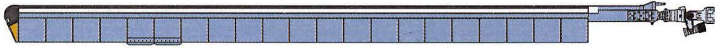


	FS 37875	C62		FS 33538	C113		FS 36118	C305
	FS31350	C79		FS36375	C308		FS34096	C340
	FS35052	C80		FS 36270	C306		RAL 7021	C116

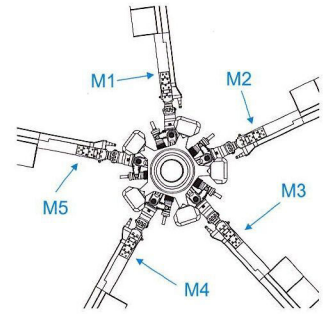
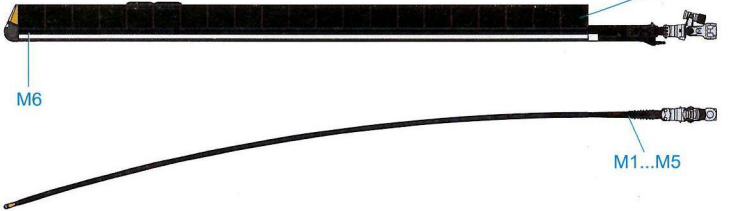
Czech Air Force, Prerov A.B.

Blades of the Main Rotor

Top

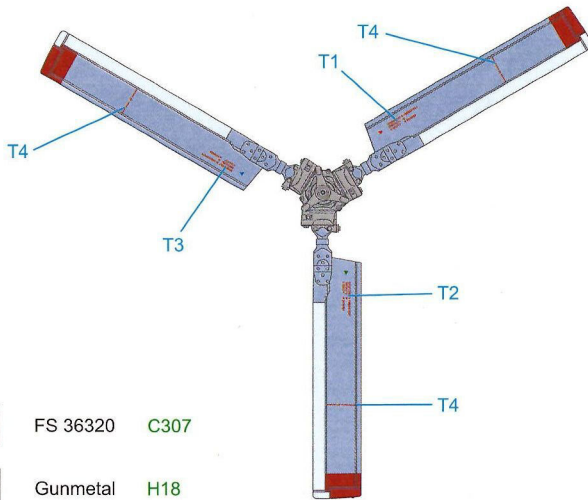


Bottom



	FS 36320	C307		FS 36373	C308
	FS 37038	C33		FS 33538	C113

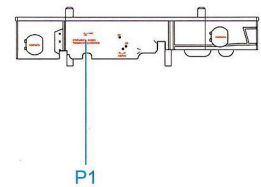
Tail Rotor



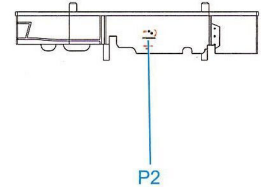
	FS 36320	C307
	Gunmetal	H18
	Steel	C28

Pylons

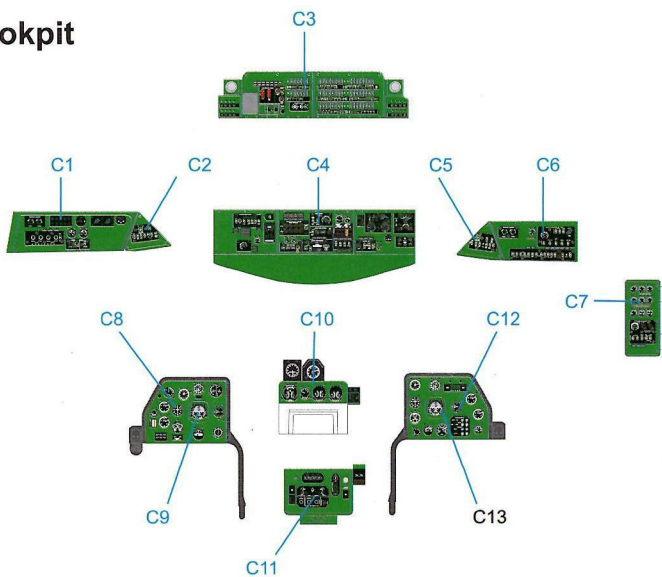
Left Side



Right Side



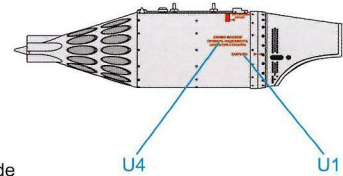
Cockpit



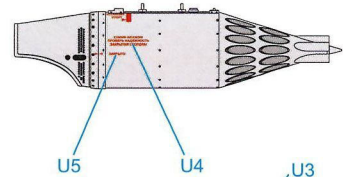
	FS 37038	C33		FS 14115	C391
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UB-32 Rocket Pod

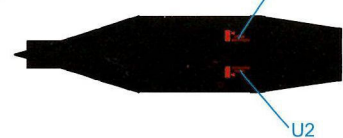
Left side



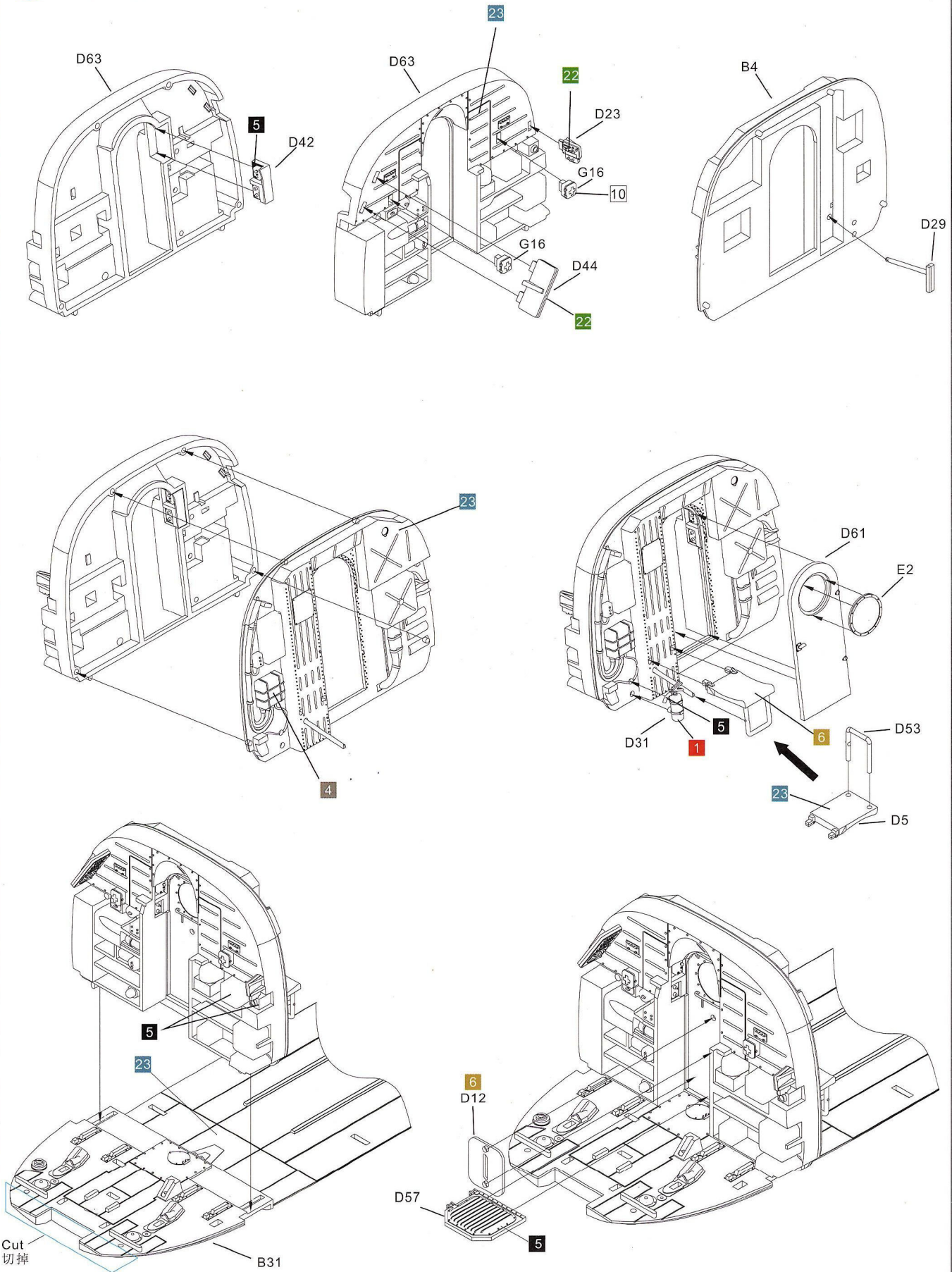
Right side



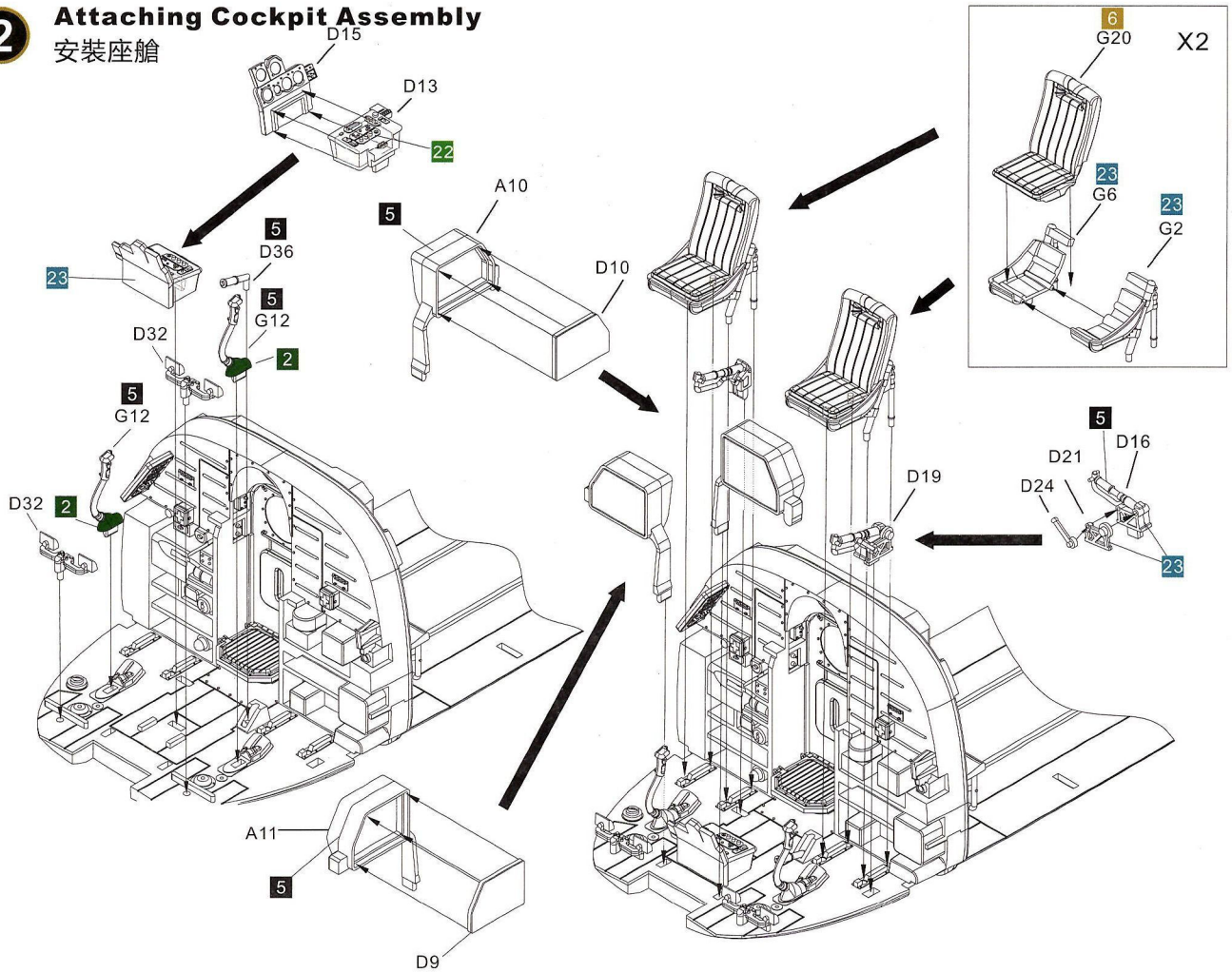
Top view



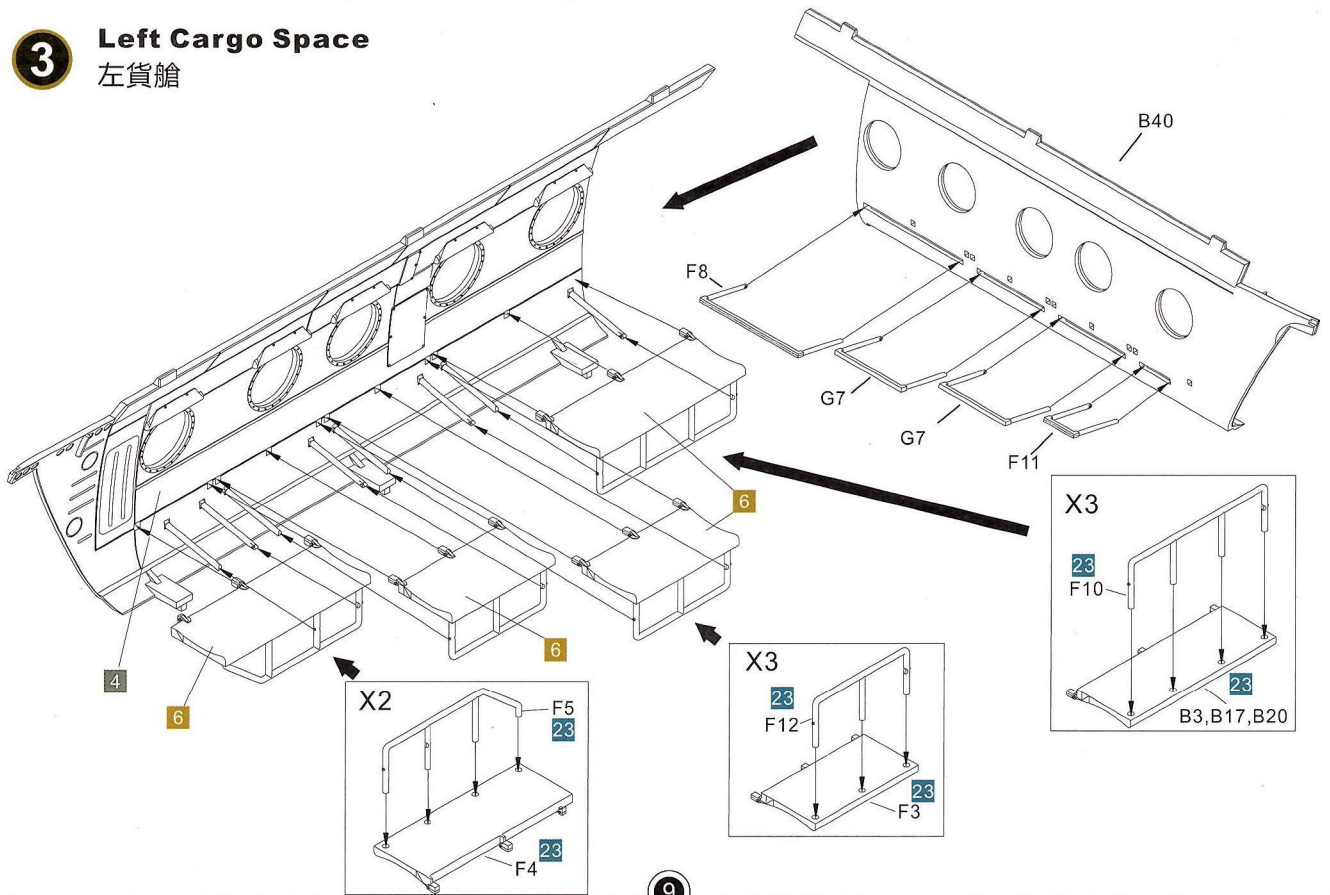
1 Main Fuselage
安裝座艙隔板



2 Attaching Cockpit Assembly 安裝座艙

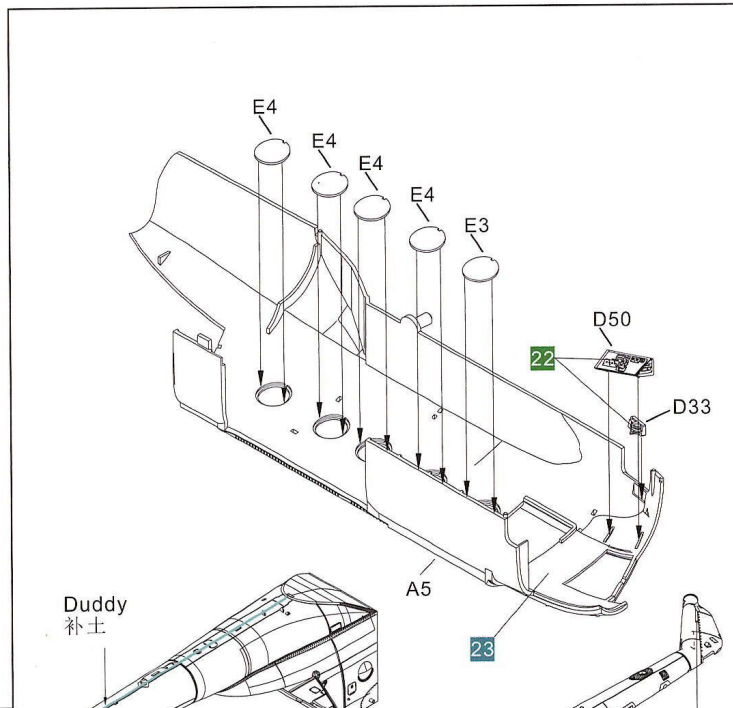
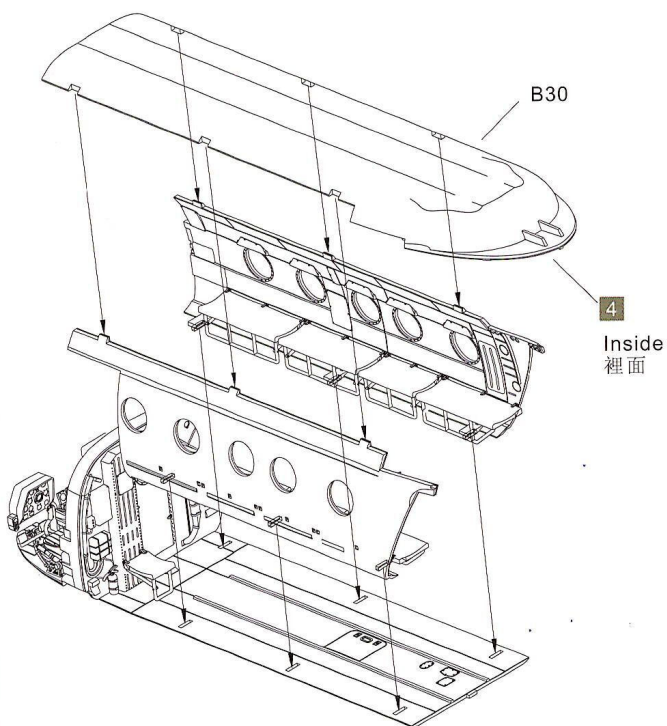
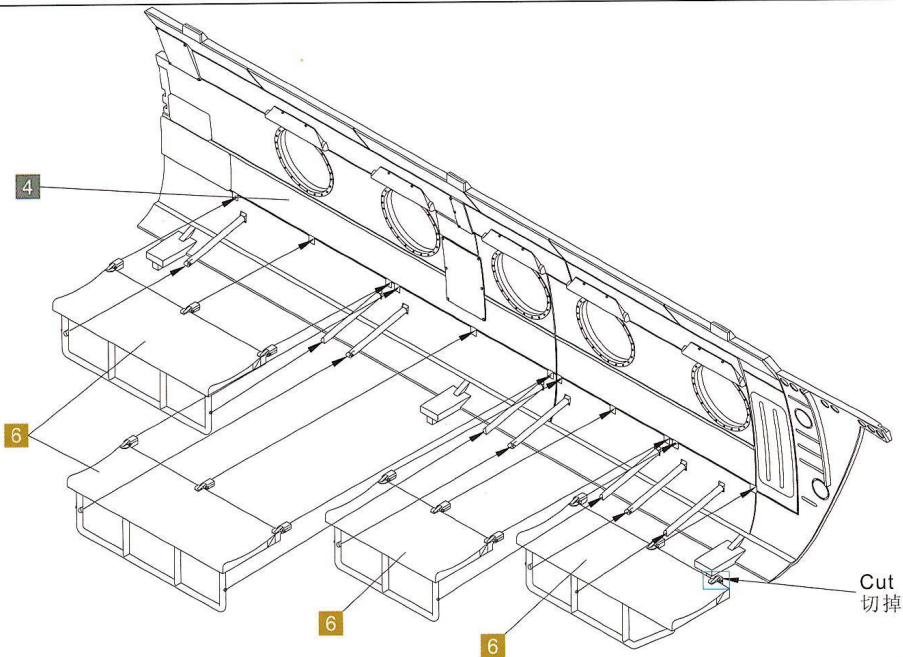
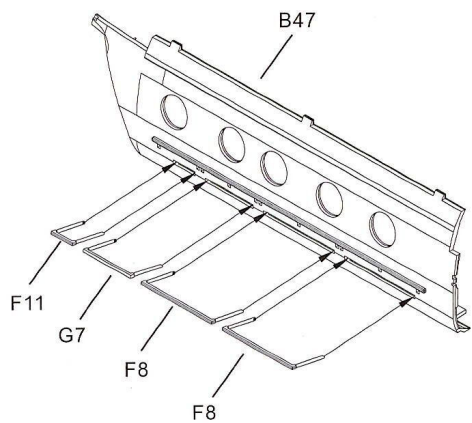


3 Left Cargo Space 左貨艙



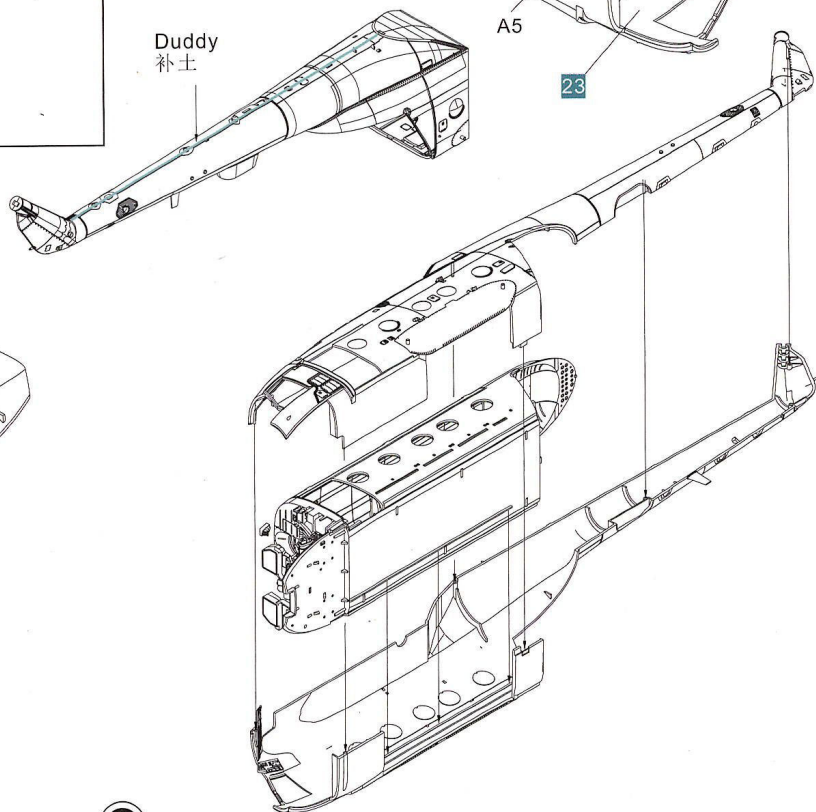
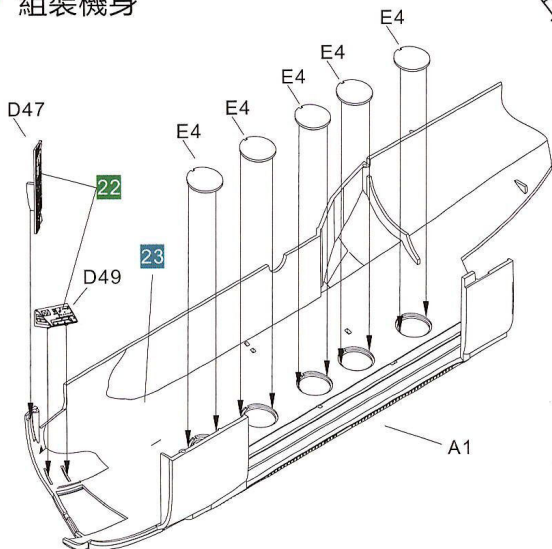
4 Right Cargo Space

右貨艙

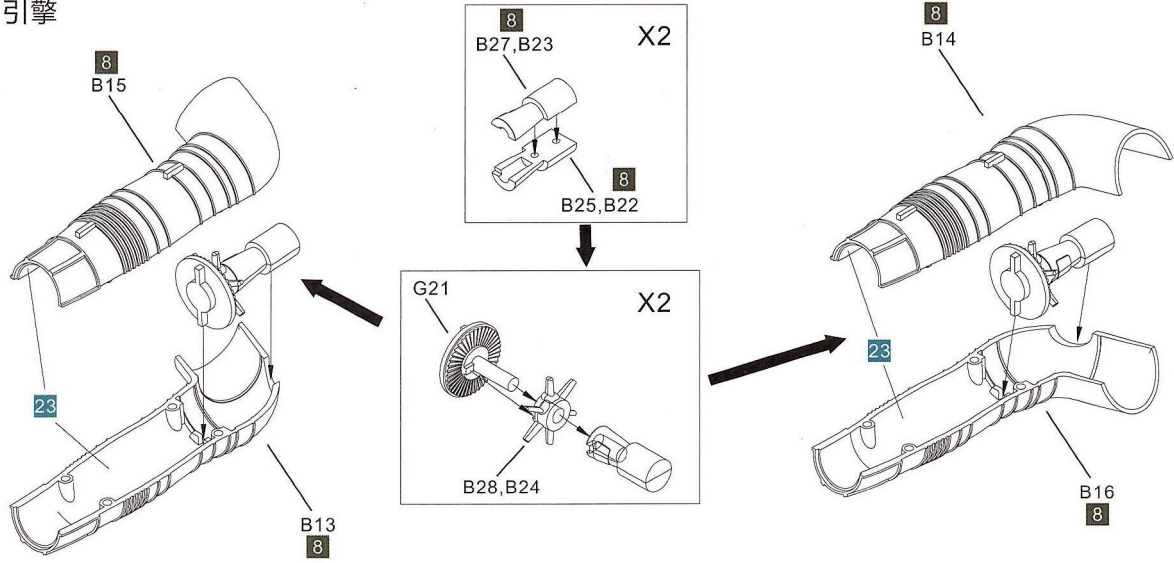


5 Attaching Fuselage

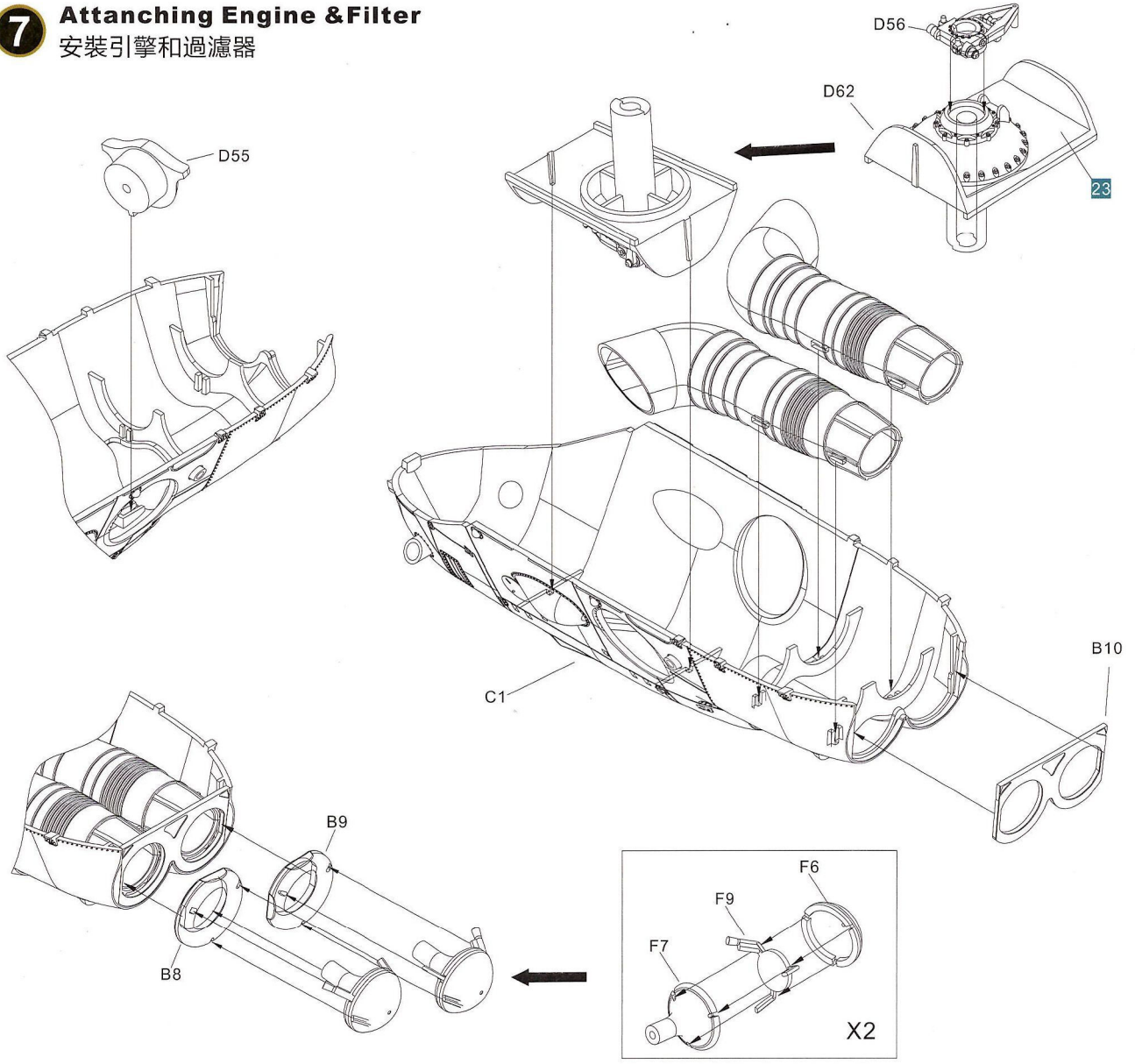
組裝機身



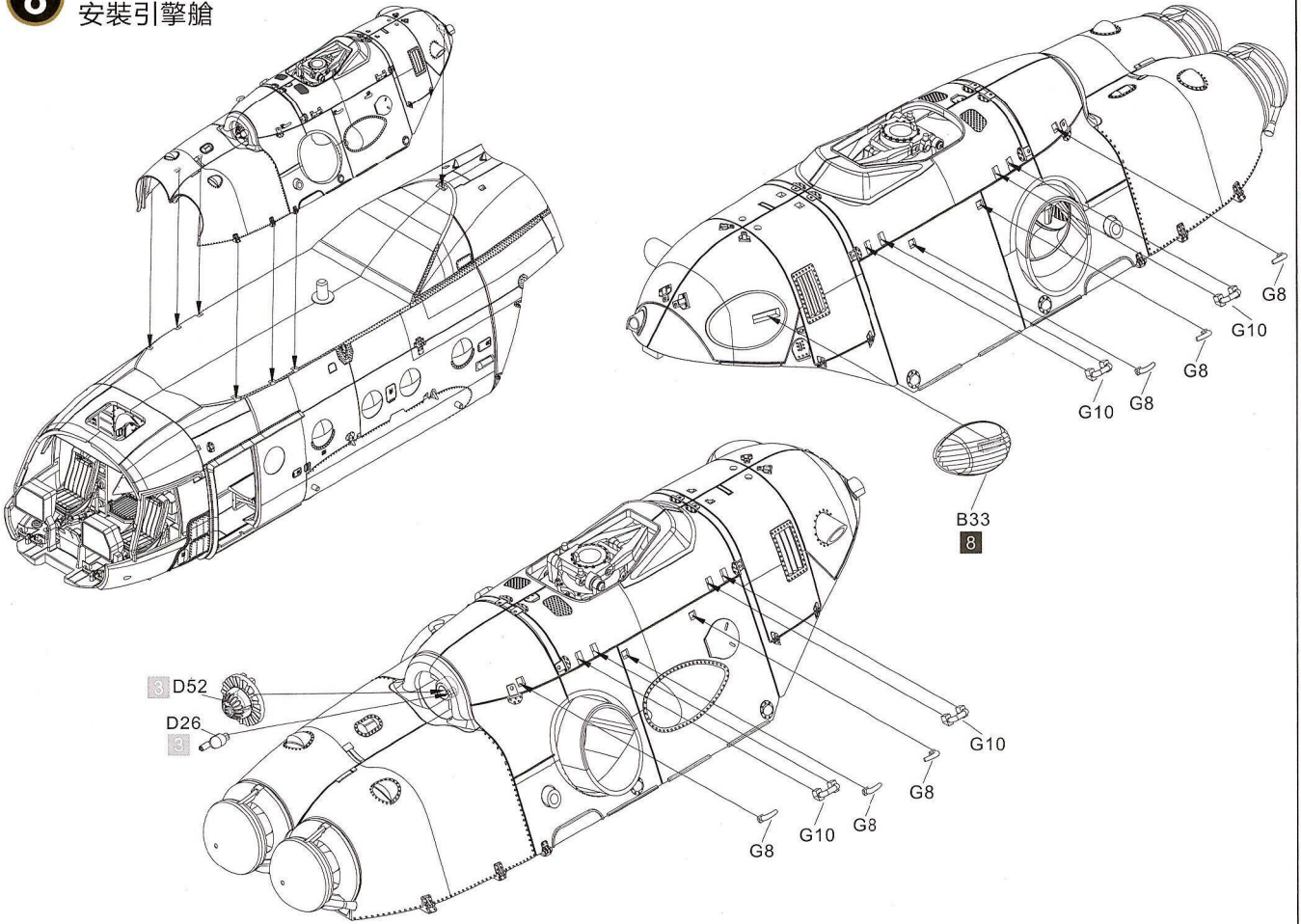
6 Engine
引擎



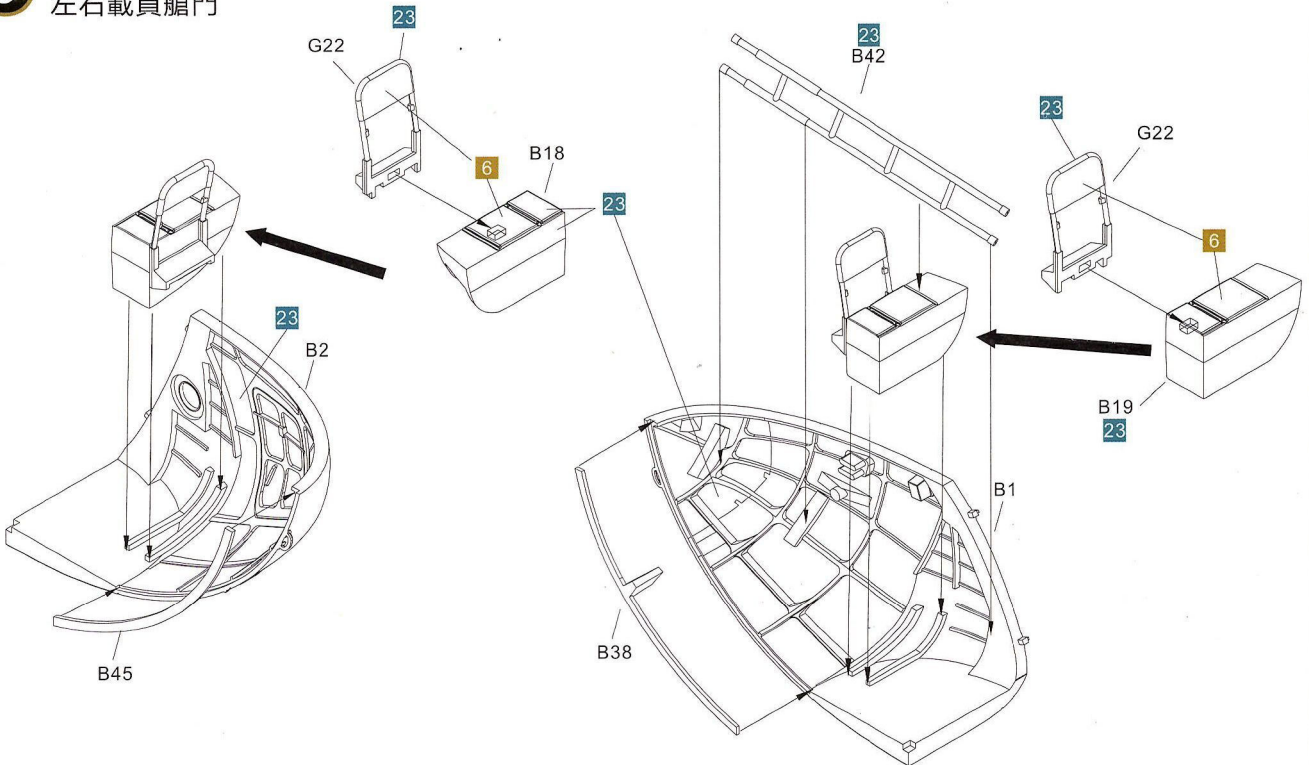
7 Attaching Engine & Filter
安裝引擎和過濾器



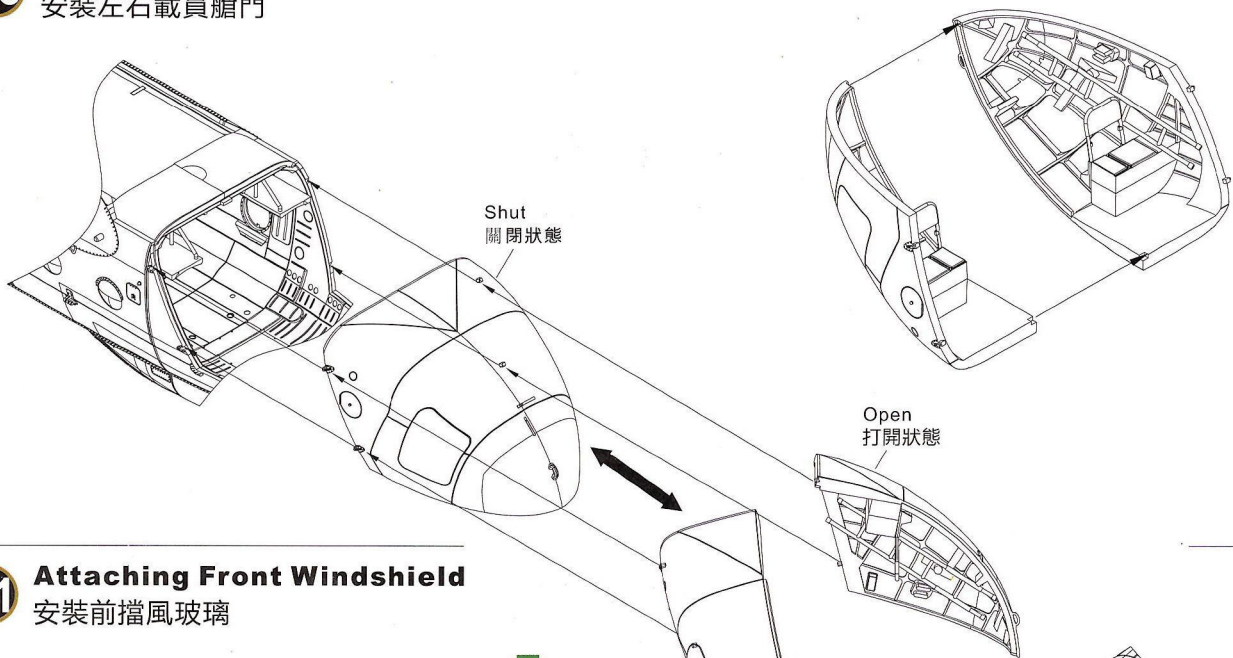
8 Engine + Gearbox
安裝引擎艙



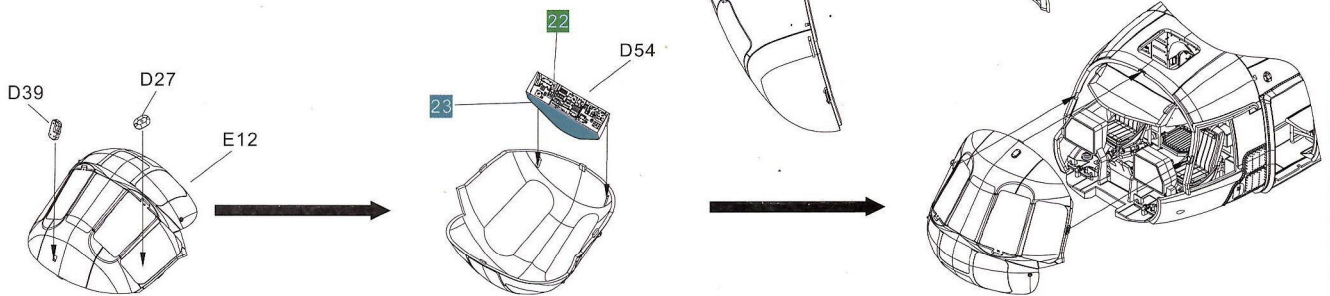
9 Left & Right Troop Door
左右載員艙門



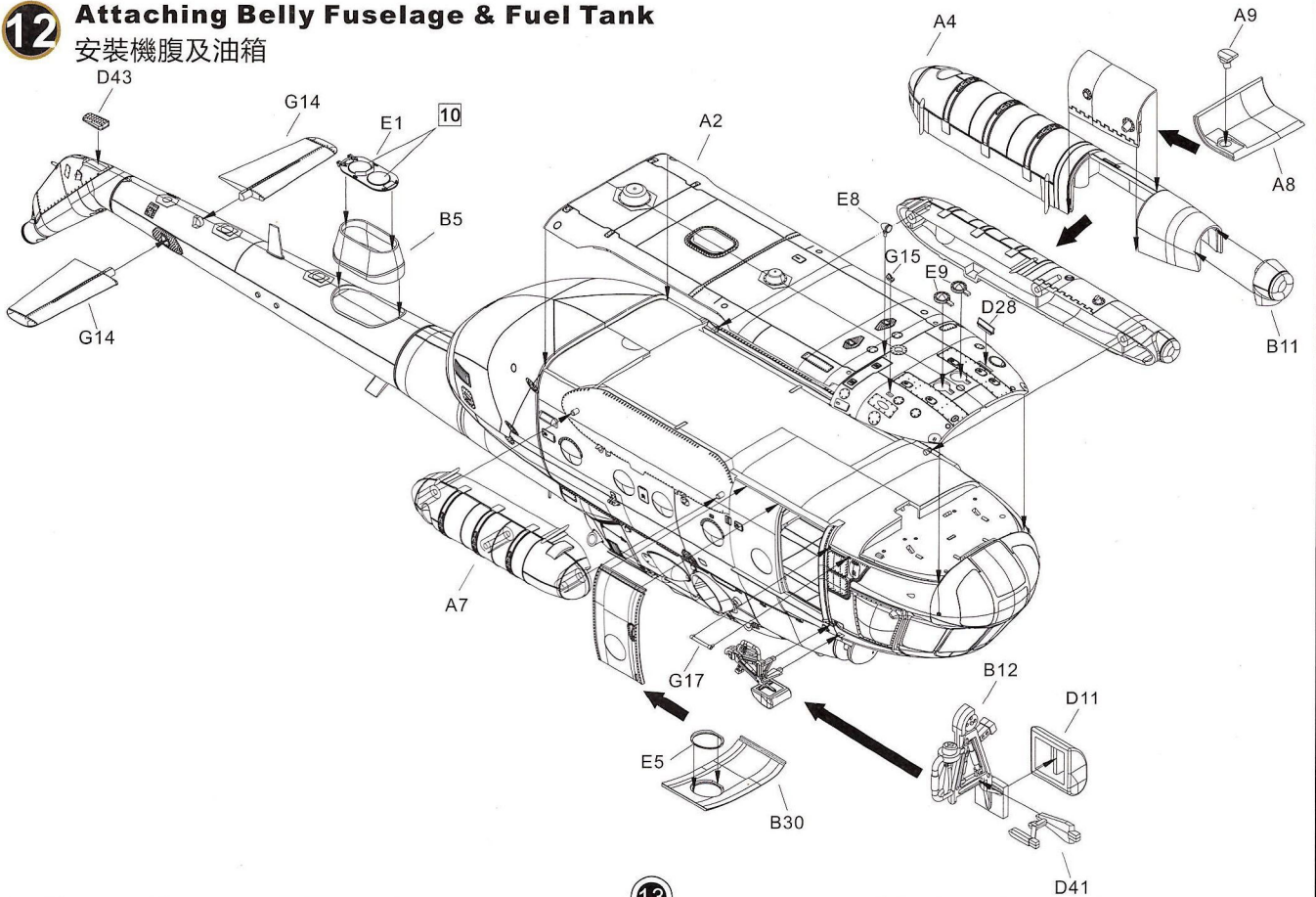
10 Attaching Left & Right Troop Doors
安裝左右載員艙門



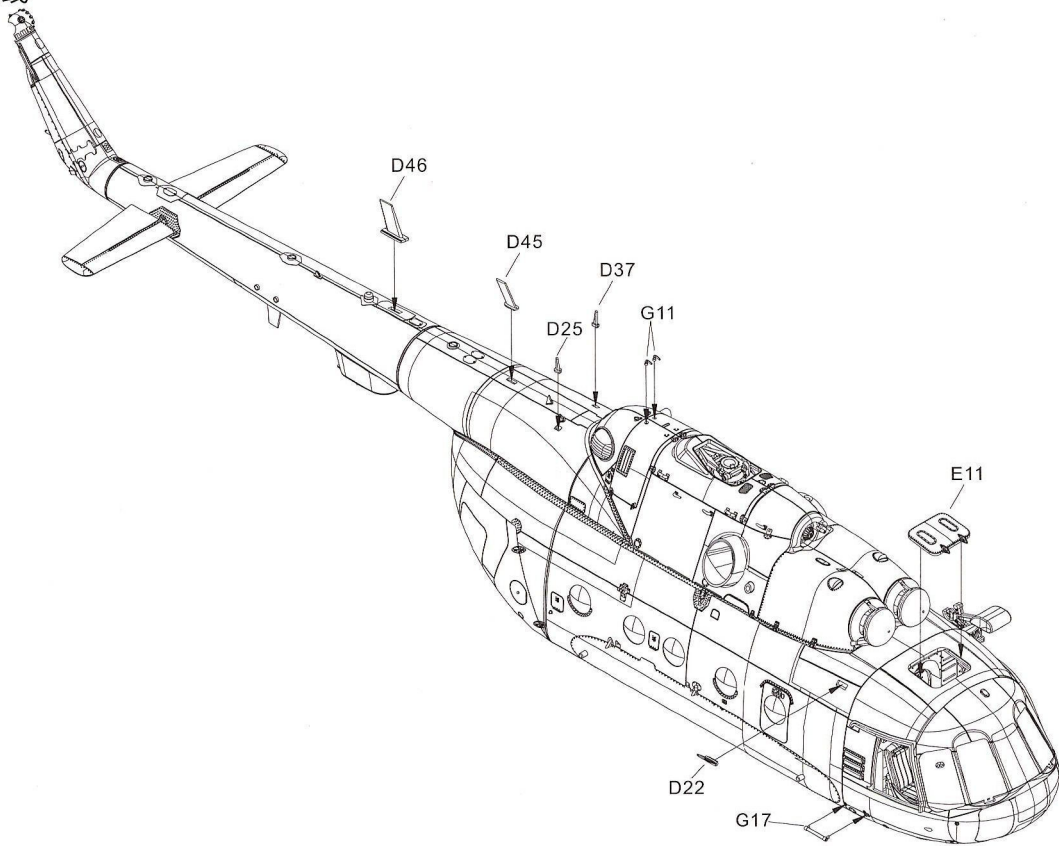
11 Attaching Front Windshield
安裝前擋風玻璃



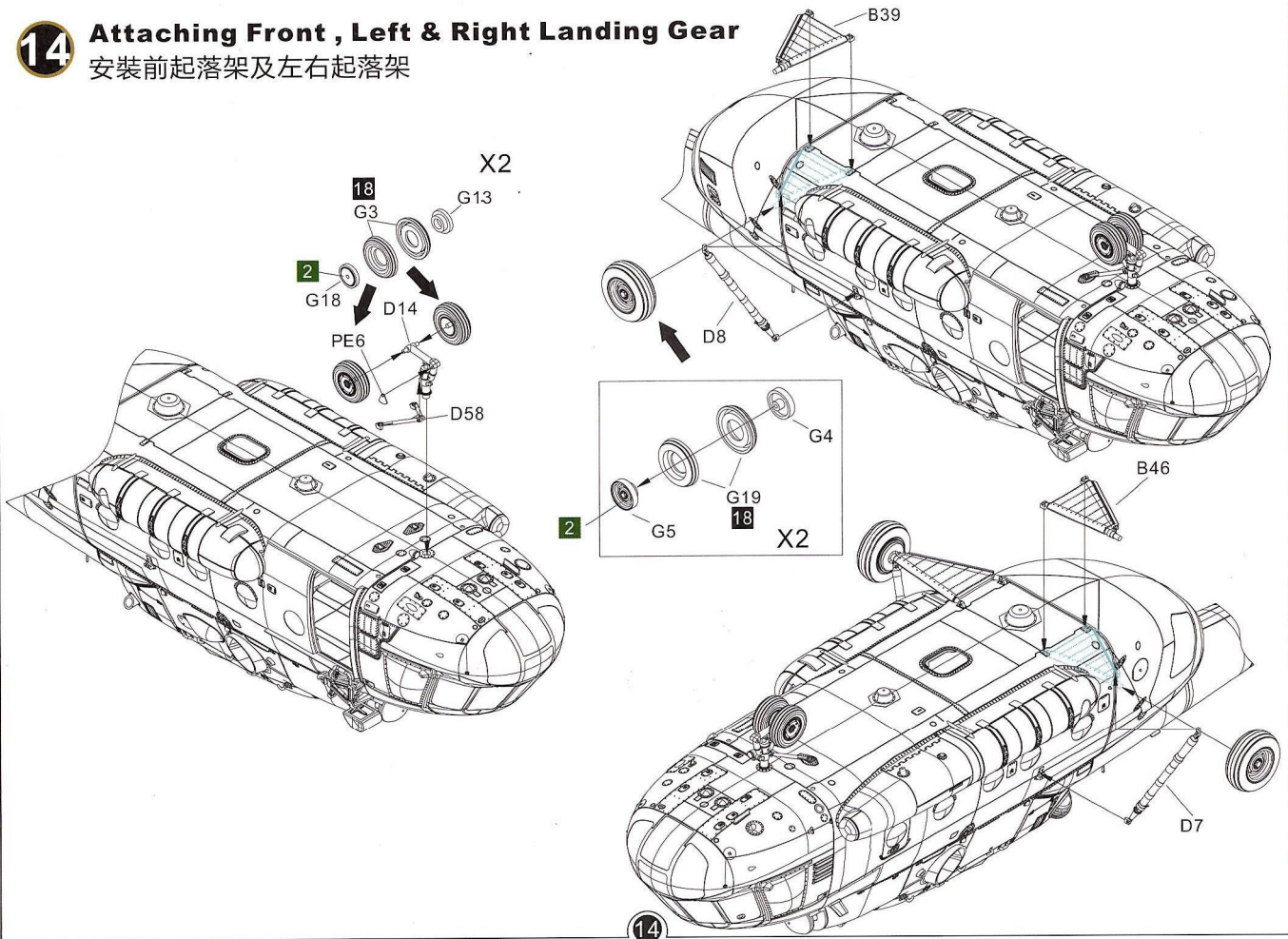
12 Attaching Belly Fuselage & Fuel Tank
安裝機腹及油箱



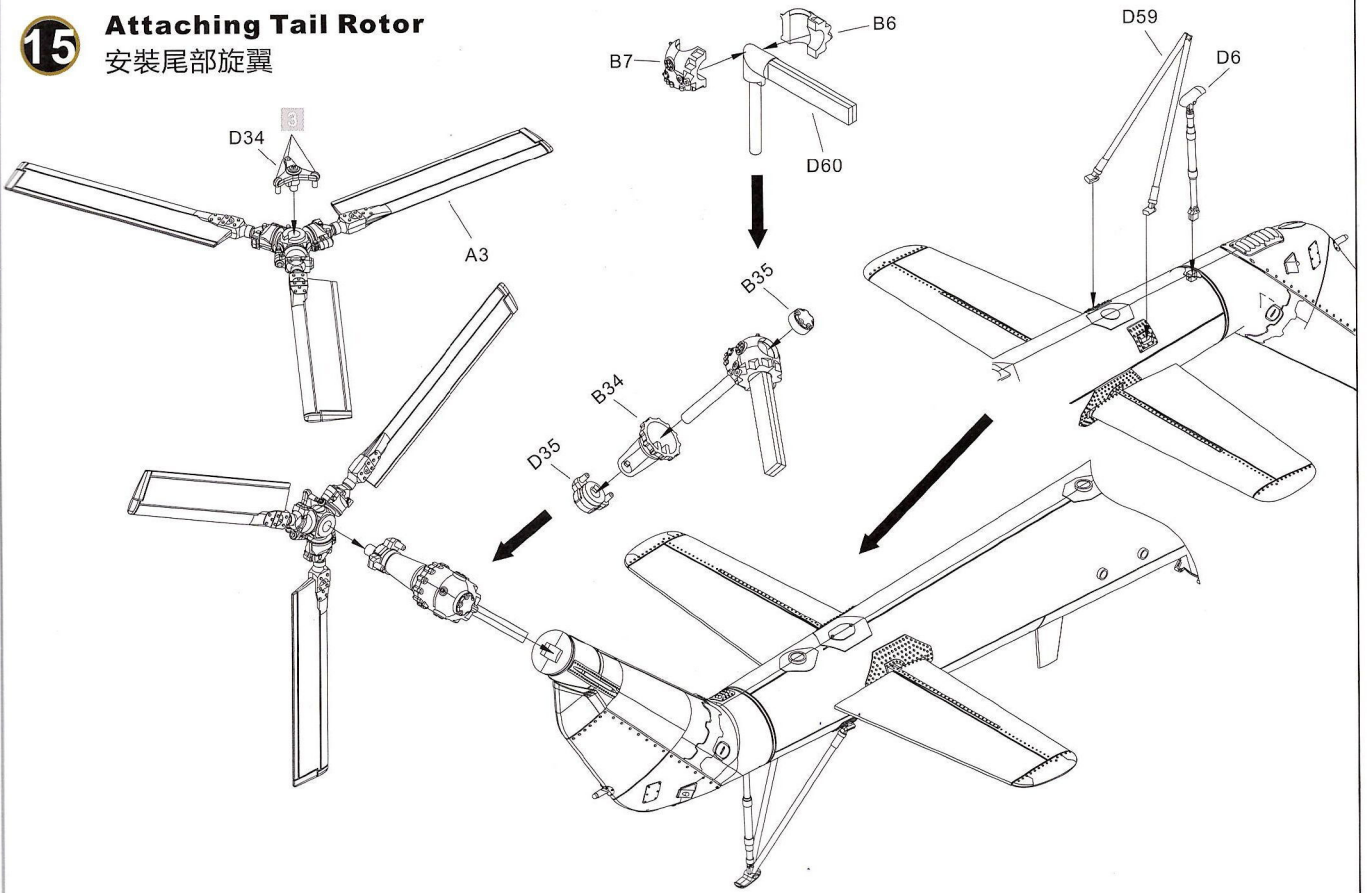
13 Attaching Antennas
安装天线



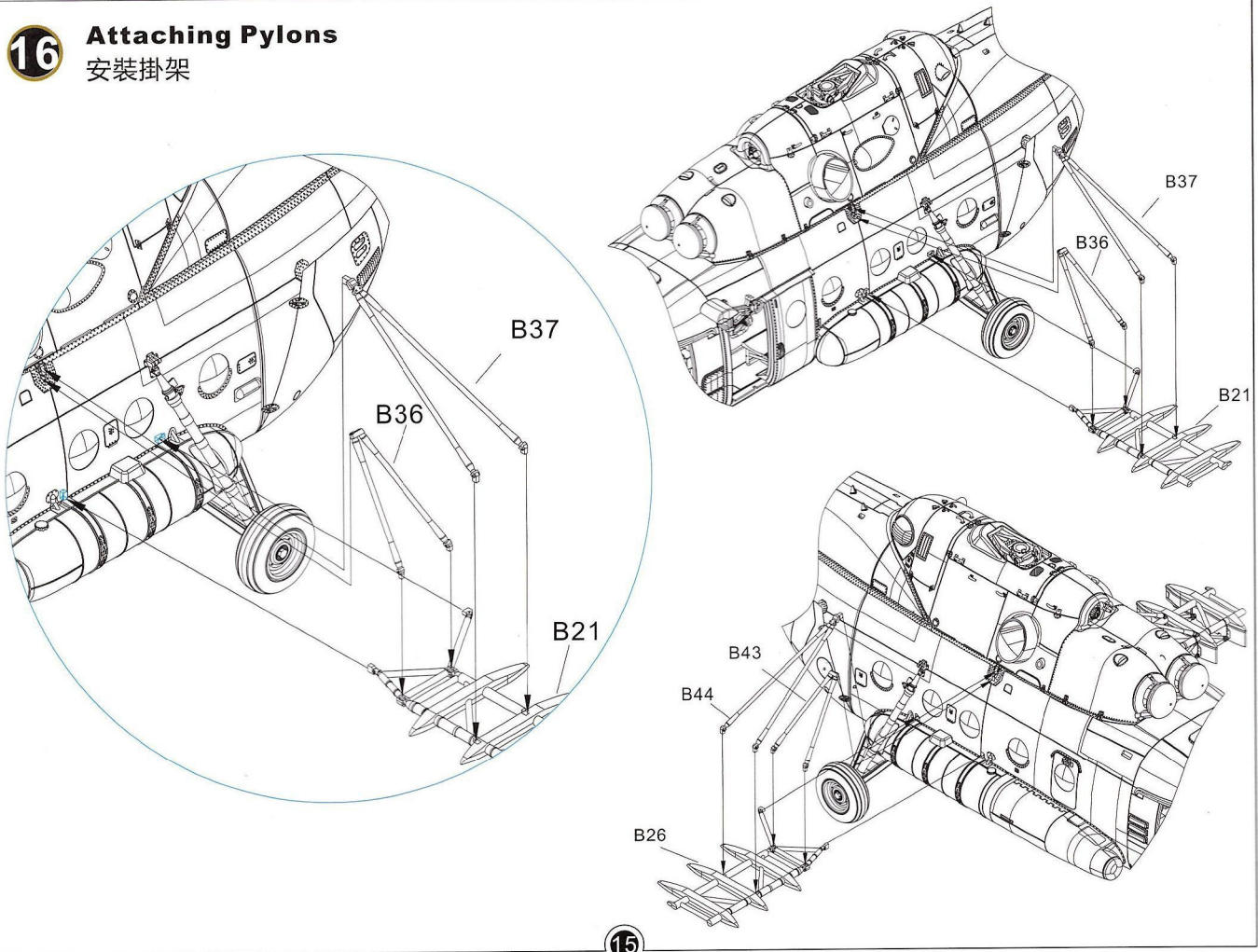
14 Attaching Front, Left & Right Landing Gear
安装前起落架及左右起落架



15 Attaching Tail Rotor 安裝尾部旋翼



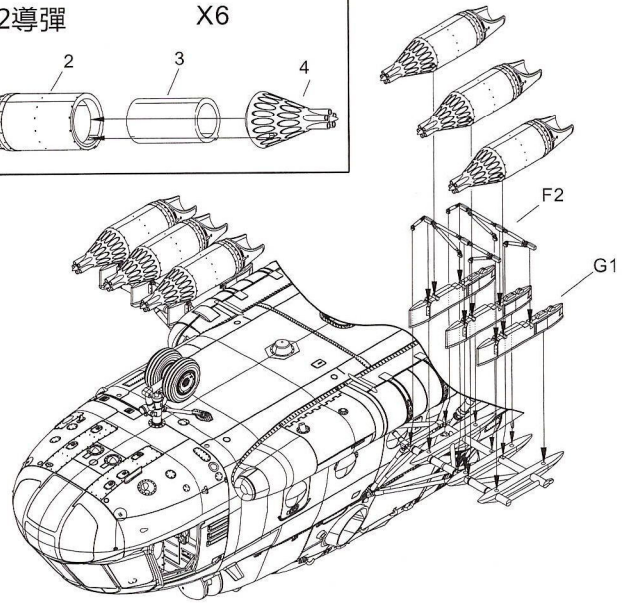
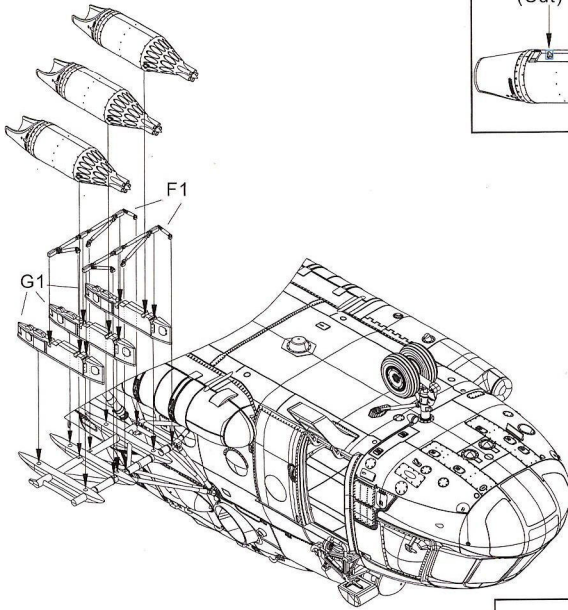
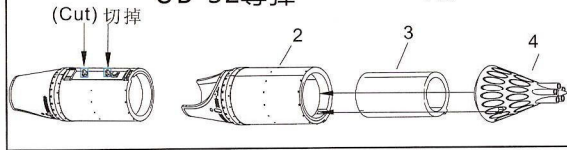
16 Attaching Pylons 安裝掛架



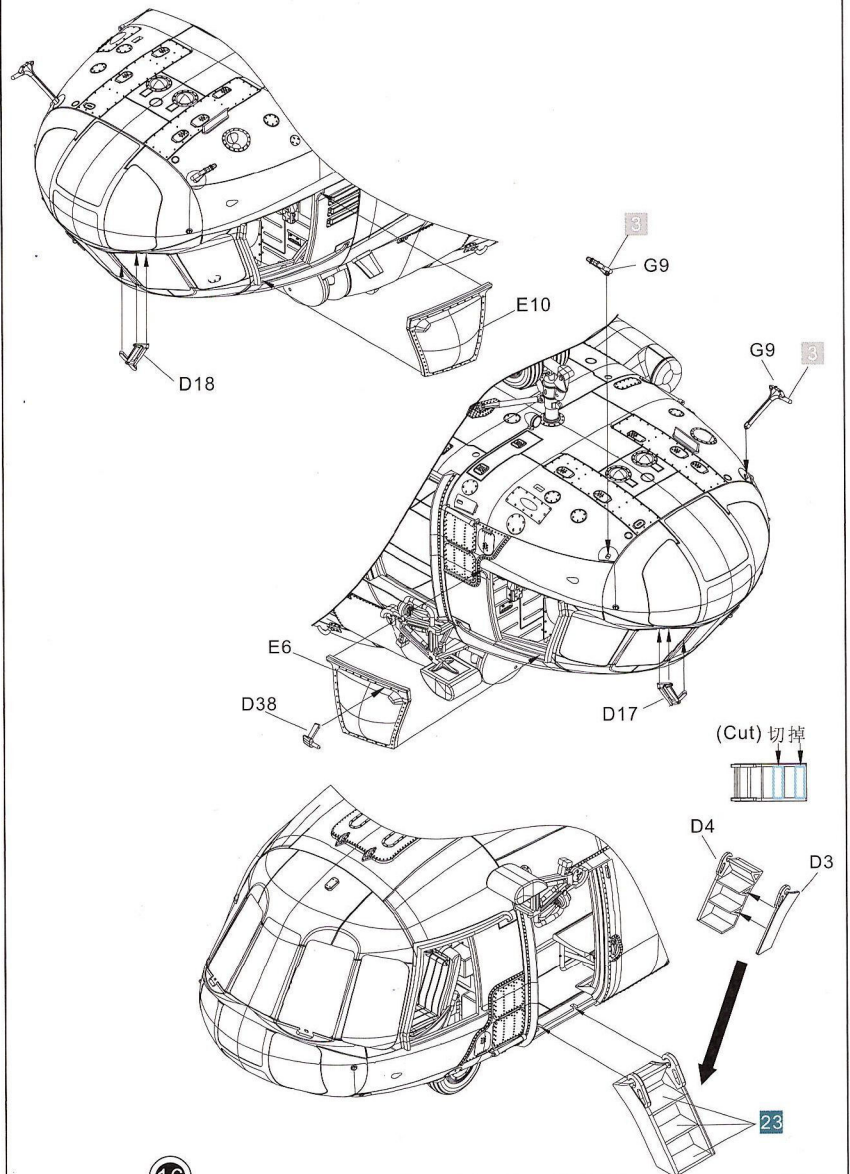
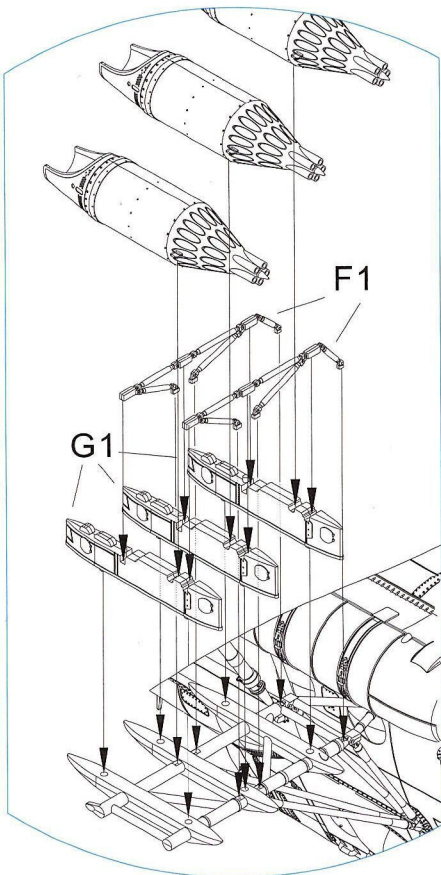
17 Attaching Missile Launcher
安裝導彈發射裝置

Missile UB-32
UB-32導彈

X6

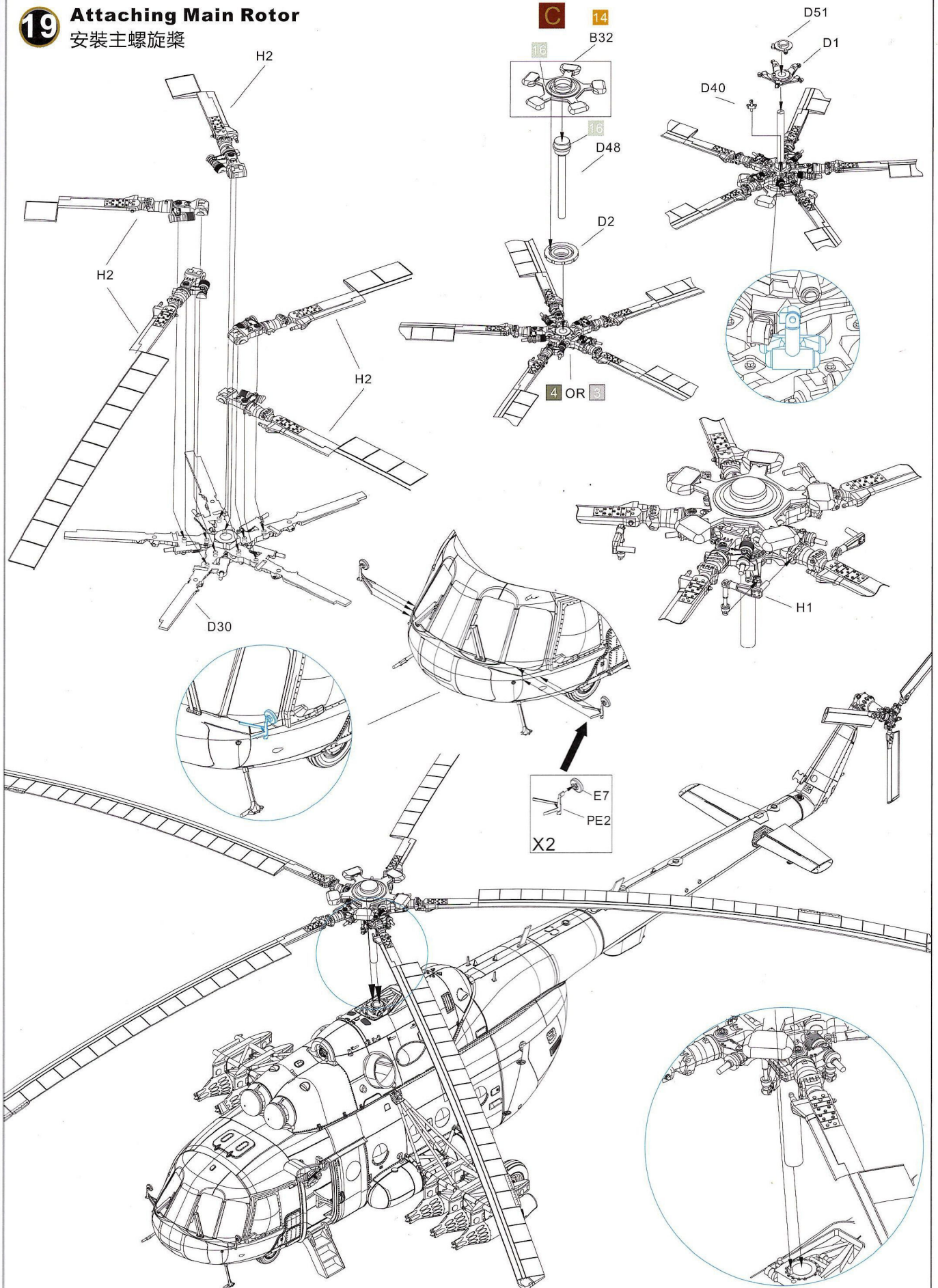


18 Attaching Windows & Ladder
安裝左右側窗及梯子

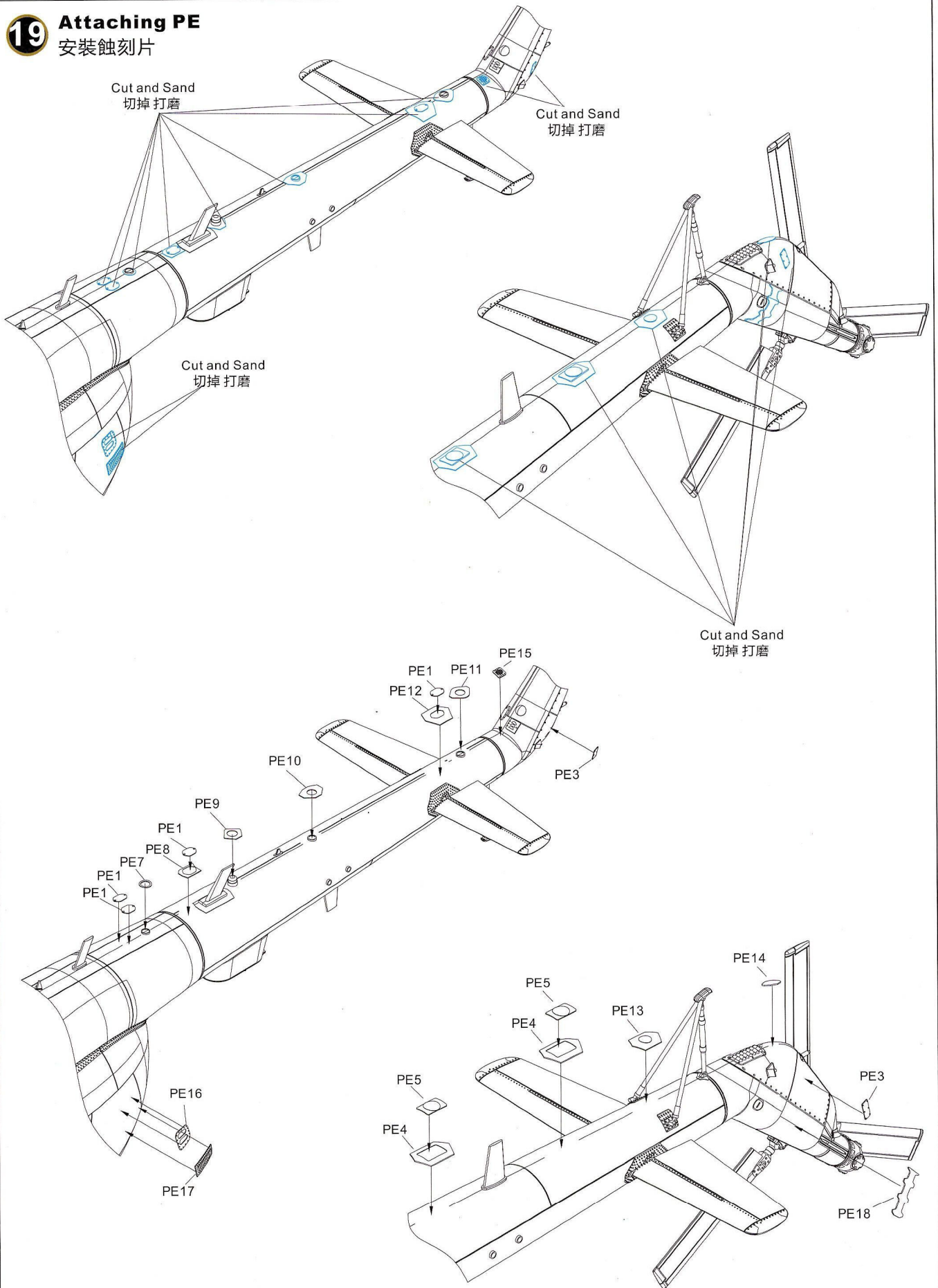


19 Attaching Main Rotor

安裝主螺旋槳

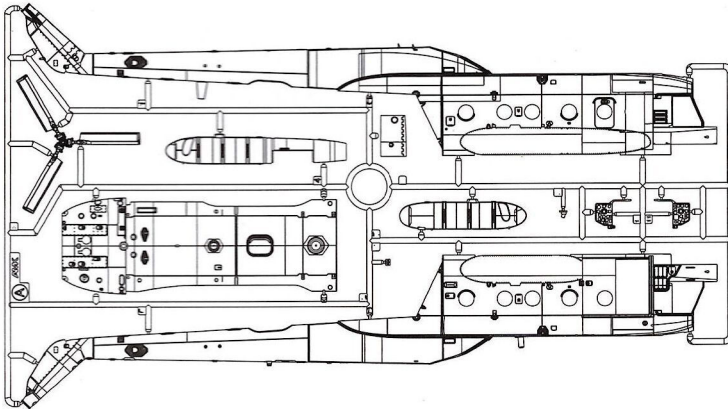


19 Attaching PE 安裝蝕刻片

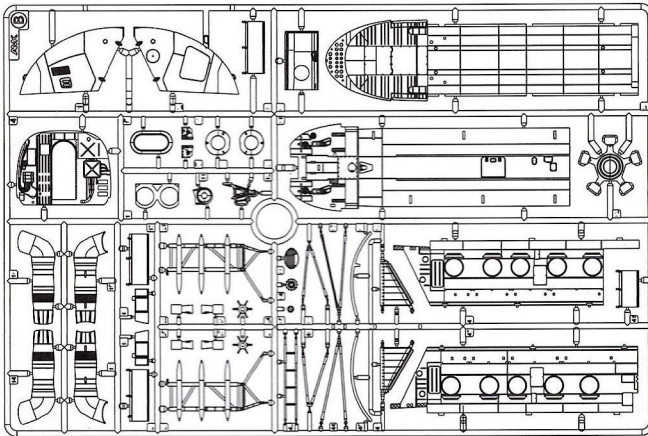


PARTS

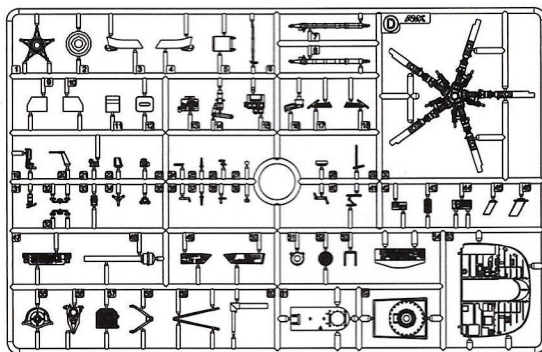
A PARTS X 1
88A007-01



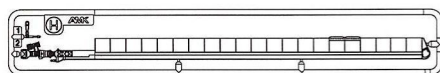
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88A007-02



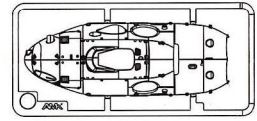
D PARTS X 1
88A007-04



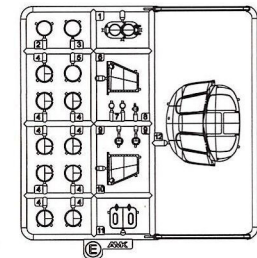
H PARTS X 5
88A007-08



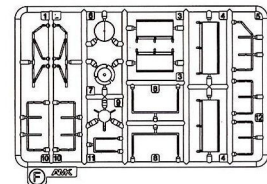
C PARTS X 1
88A007-03



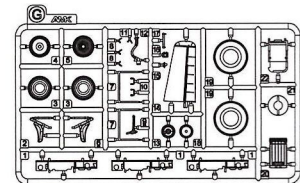
E PARTS X 1
88A007-05



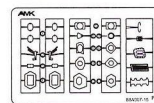
F PARTS X 2
88A007-06



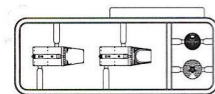
G PARTS X 2
88A007-07



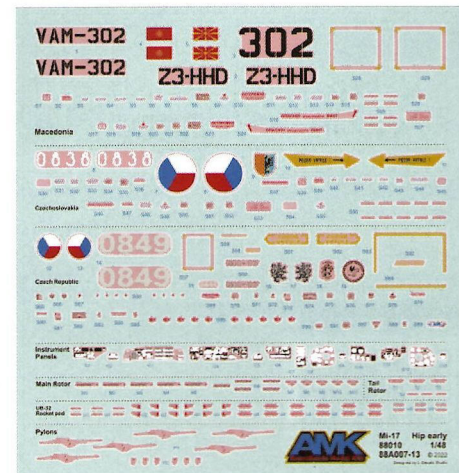
PE PARTS X 1
88A007-15

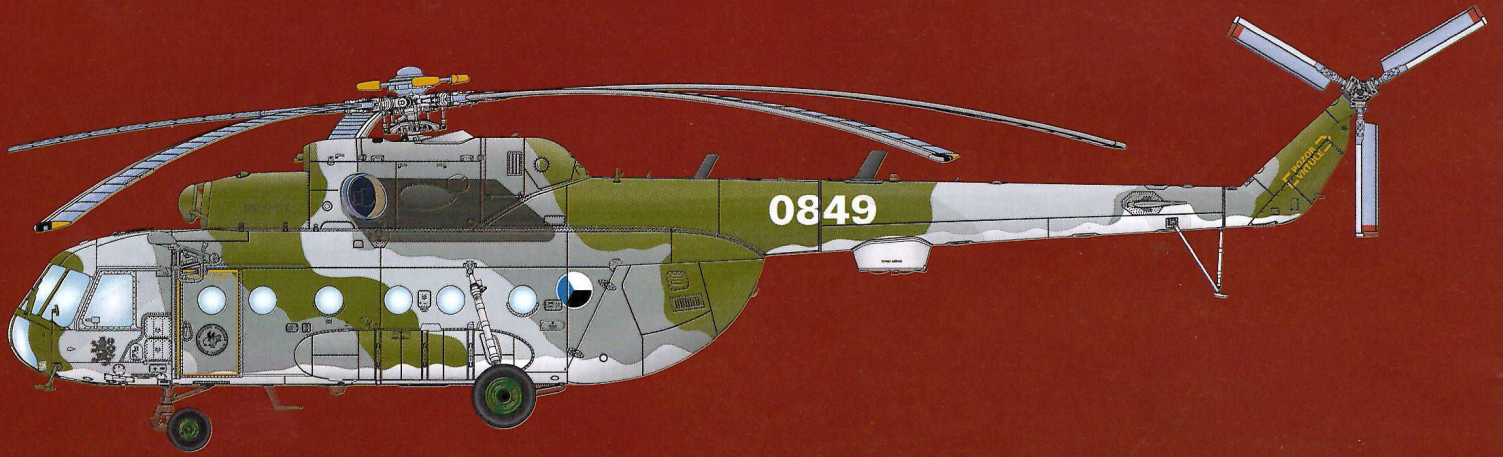


PARTS X 6
99010



PARTS X 1
88A007-13





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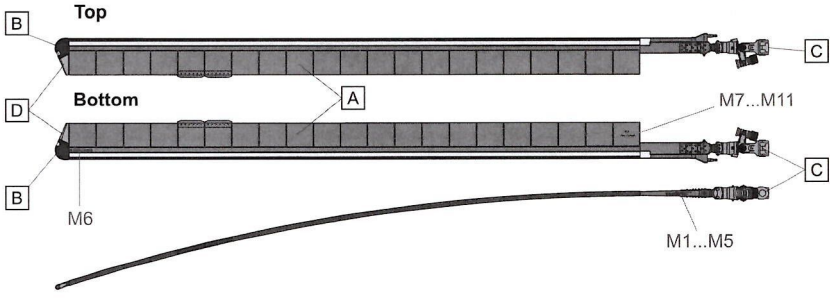
MADE IN CHINA

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Mi-17 Hip
1/48 SCALE

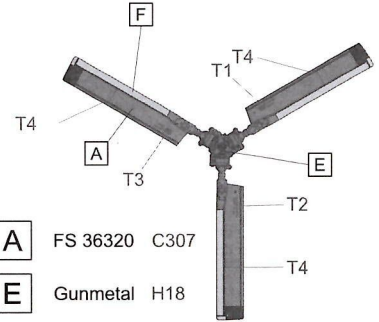


Correction



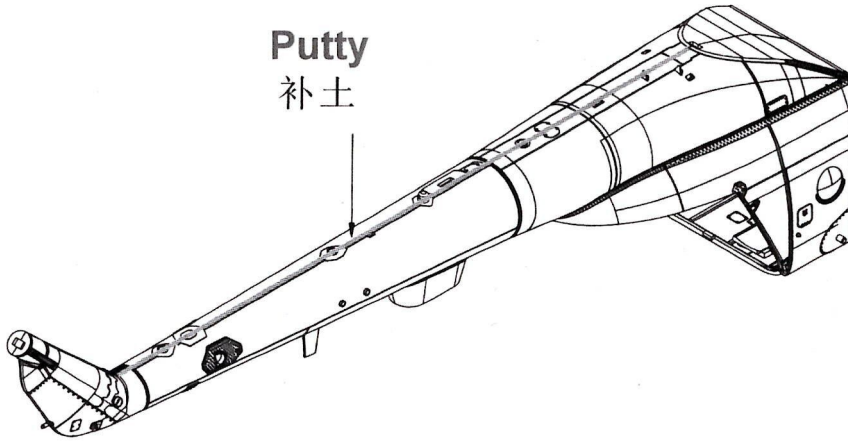
- A** FS 36320 C307
- B** FS 37038 C33

- C** FS 36373 C308
- D** FS 33538 C113

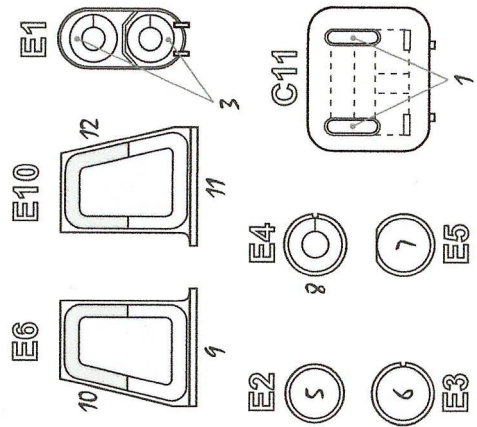
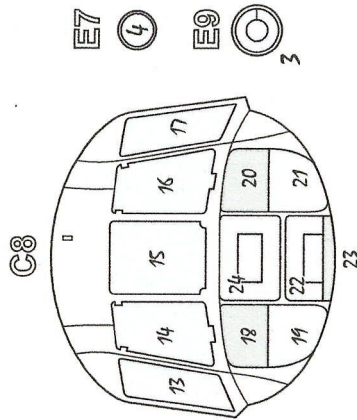
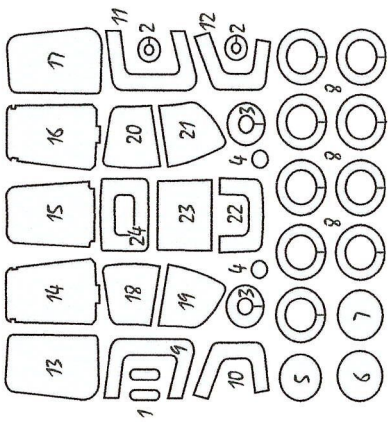


- A** FS 36320 C307
- E** Gunmetal H18
- F** Steel C28

Putty 补土



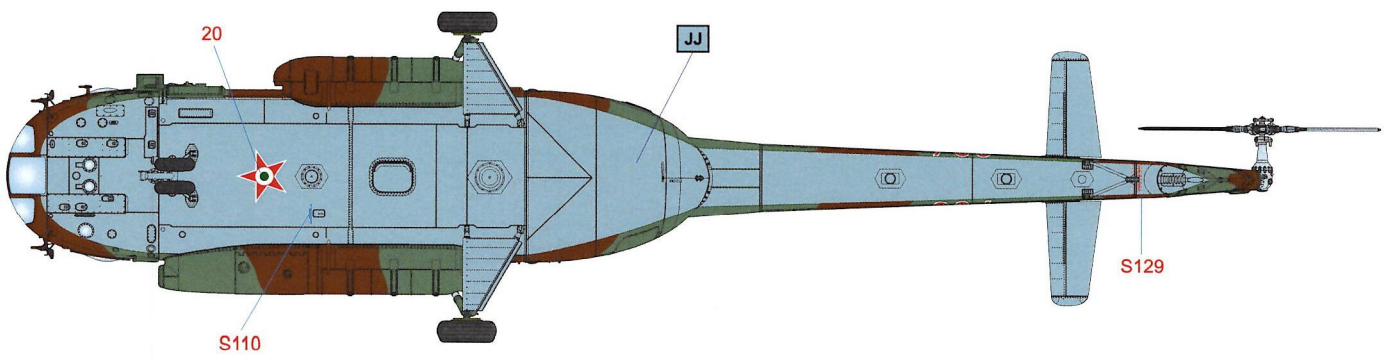
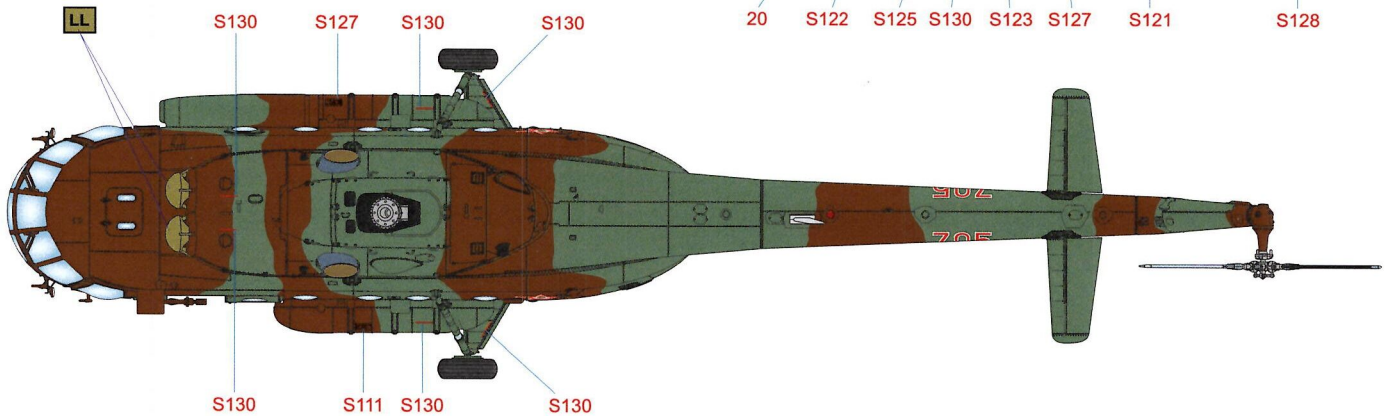
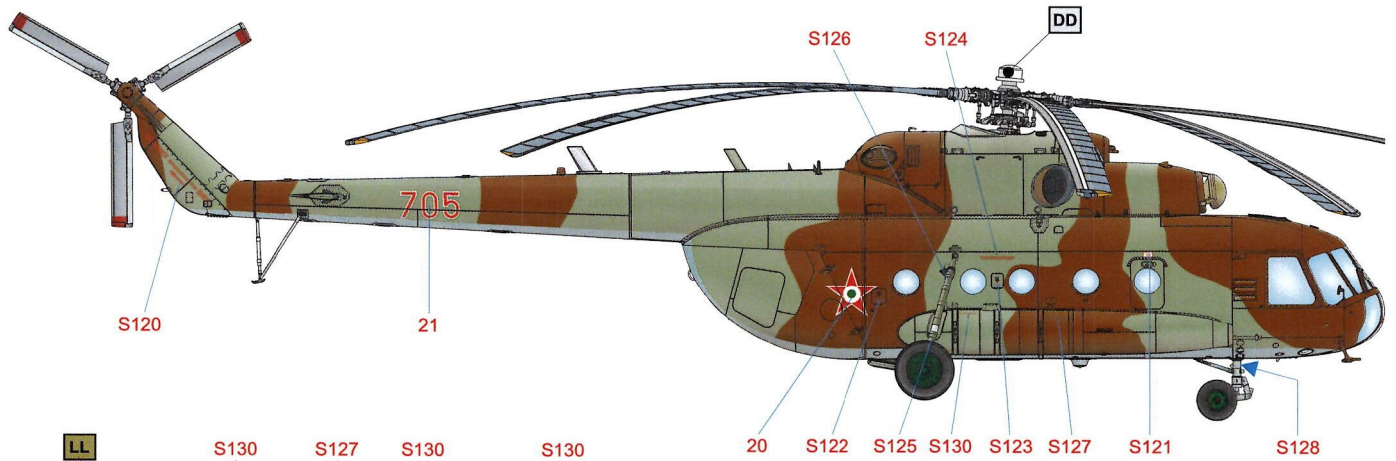
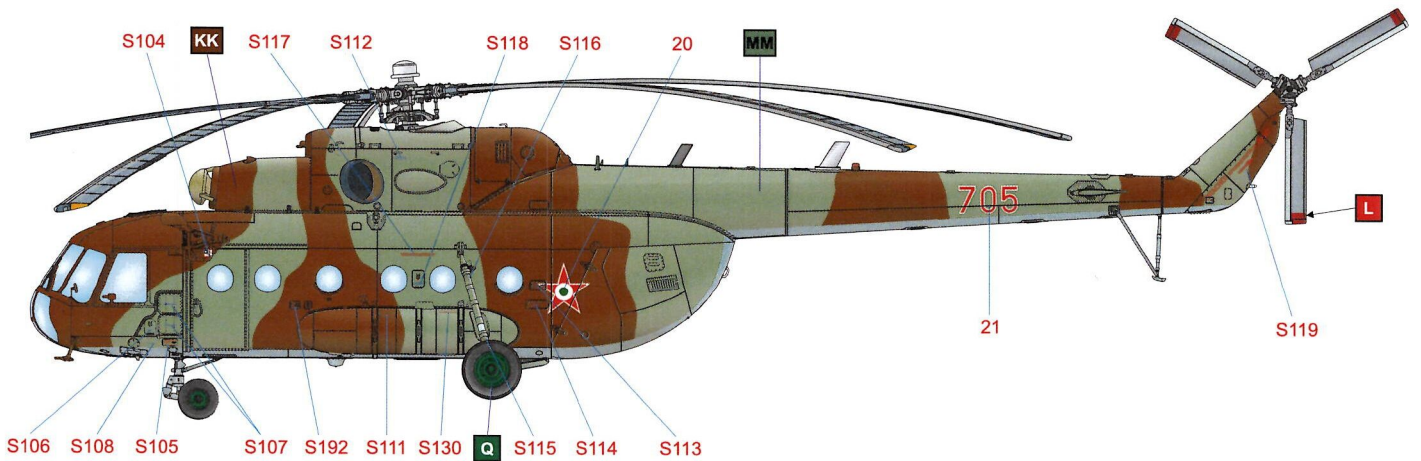
ANNETRA 48001-5 Mi-17 Hip



□ Liquid mask

48002

Letectvo Maďarské lidové republiky, konec 80. let
Hungarian Air Force, end of 80th years



L	Q	DD	JJ	KK	LL	MM
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AK-Interactive	RC005	AK2302	RC253	RC316	RC066	RC314	RC232
Gunze	C79	C66	C338	C117	C42	C336	C312