

## 1/72 SCALE PLASTIC KIT

**ProfiPACK**  
edition

# #70141



### INTRO

The MiG-21 was one of a long list of Mikoyan-Gurevich products to be integrated into the armed forces of the Soviet Union, the Warsaw Pact, and allied client states. Its predecessors included such notable types as the MiG-15, MiG-17 and the supersonic MiG-19. The roots of this project reach back to the first half of the fifties. In 1954, the Ye-1 project came to an end, and was quickly picked up by the Ye-2. Both had a swept wing. The first machine to feature the delta wing was the Ye-4, which first took to the air on June 16th, 1955. It was also demonstrated a year later at the Moscow airfield Tushino. The first of the new line to enter production was the MiG-21F, which together with the MiG-21P and F-13 represented the first generation of the MiG-21, and was in production through the end of the fifties and the beginning of the sixties. Subsequent versions included the PF, FL, PFM, R the production of which peaked at the end of the sixties. The third generation started production in 1968, which included such versions as M, SM, MF, SMT, bis among others. Simultaneously, two-seat training versions were also produced designated MiG-21U, UM and US. Production of the MiG-21 ended in 1985, and was put into service with some fifty nations. Over the course of the cold war, the opponents of the MiG-21 included the likes of the Northrop F-5 Freedom Fighter and the Dassault Mirage III. NATO assigned it the reporting name 'Fishbed'. It became the most produced supersonic fighter in terms of quantity. The new machines came off Soviet production lines in Moscow, Gorky and Tbilisi. The MiG-21F-13 was also built under license in Czechoslovakia and the MiG-21FL, M and bis in India by Hindustan Aeronautics Ltd. The Soviet Union produced 10,645 examples of all versions, 194 were built in Czechoslovakia and 657 in India. Outside of the Soviet Union, the type flew with a long list of nations on all continents with the exception of Australia. The MiG-21 participated in combat in Vietnam, the Indo-Pakistan wars, the Cuban participation in Angola and in the Arab world's attempt to eliminate Israel. Thanks to the high volume of use, the highest number of aces produced on the type was in Vietnam. The top of the ladder is occupied by Nguyen Van Coc with nine kills. The type serving as an interceptor served with the Soviet Union and other nations of the Warsaw Pact into the eighties, when it began to be displaced by the MiG-29 Fulcrum.

This kit presents an opportunity for you to build a model of a MiG-21MF supersonic jet fighter in a way it was produced in Gorky factory, where the production of the MF variant was moved from Moscow factory after their start with MiG-23s. The design of the fighter planes made in Gorky differed in several details from the Moscow design. The first reason for that was the unification of some features with the previously made aircraft in Gorky, the MiG-21bis, and the second reason was the use of former technological procedures followed by Gorky factory. These fighter jets were exported to German Democratic Republic, Poland, Czechoslovakia, Romania and Bulgaria. Production of this version finished after two years.

MiG-21MFs were powered by Tumanskij R-13-300 turbojet engine with additional combustion chamber and carried an RP-21 radar. The armament constituted of a twin-barreled GSch-23-2L 23mm autocannon with 200 rounds of ammunition. The racks carried a combination of FAB bombs with 500kg warhead, UB-16-57U launchers and R-3S rockets, Ch-66, S-24, including R-60 air-to-air missile and its infrared homing variant R-60M. The NATO code for MiG-21MFs was "Fishbed-J".

ATTENTION



UPOZORNĚNÍ



ACHTUNG



ATTENTION



注意



Carefully read instruction sheet before assembling. When you use glue or paint, do not use near open flame and use in well ventilated room. Keep out of reach of small children. Children must not be allowed to suck any part, or pull vinyl bag over the head.



Před započítím stavby si pečlivě prostudujte stavební návod. Při používání barev a lepidel pracujte v dobře větrané místnosti. Lepidla ani barvy nepoužívejte v blízkosti otevřeného ohně. Model není určen malým dětem, mohlo by dojít k požití drobných dílů.

INSTRUCTION SIGNS



INSTR. SYMBOLY



INSTRUKTION



SINNBILDEN



SYMBLES



記号の説明

OPTIONAL  
VOLBABEND  
OHNOUTSAND  
BROUSITOPEN HOLE  
VYVRTAT OTVORSYMMETRICAL ASSEMBLY  
SYMETRICKÁ MONTÁŽREMOVE  
ODRŽNOUTREVERSE SIDE  
OTOCITAPPLY EDUARD MASK  
AND PAINT  
POUŽIT EDUARD MASK  
NABARVIT

PARTS



DÍLY



TEILE

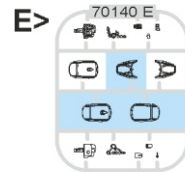
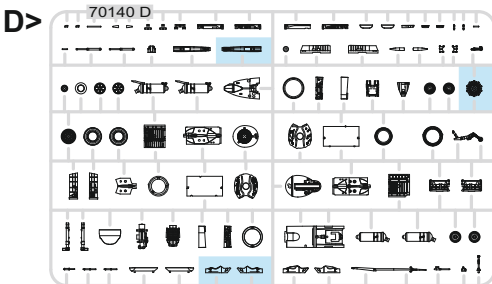
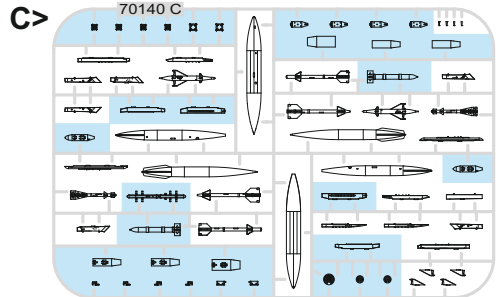
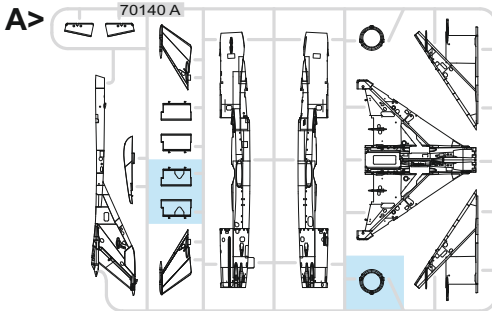
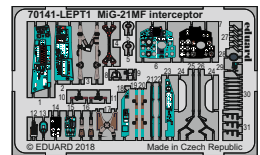
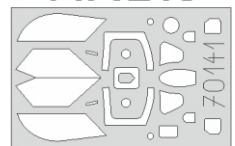


PIÈCES



部品

## PLASTIC PARTS

PE - PHOTO ETCHED  
DETAIL PARTSeduard  
MASK

-Parts not for use. -Teile werden nicht verwendet. -Pièces à ne pas utiliser. -Tyto díly nepoužívejte při stavbě. - 使用しない部品

COLOURS



BARVY



FARBEN



PEINTURE

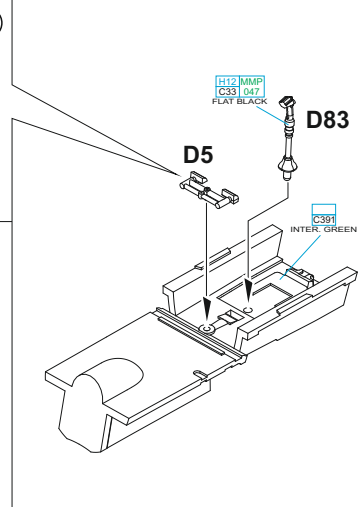
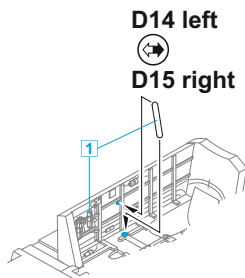
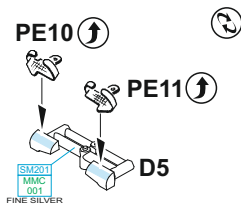
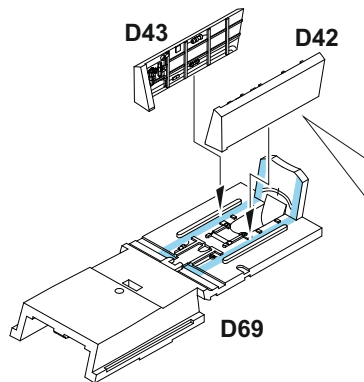


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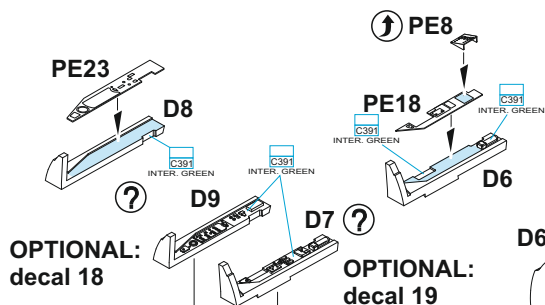
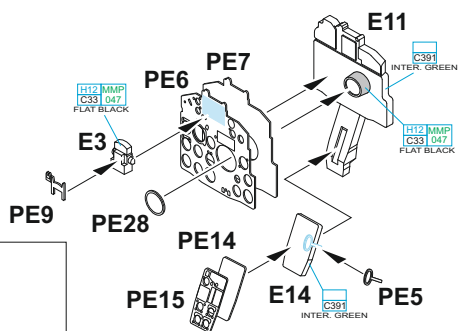
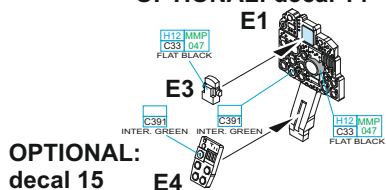
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AQUEOUS	Mr.COLOR	PAINTS	
<a href="#">H1</a>	<a href="#">C1</a>	<a href="#">MMP-001</a>	WHITE
<a href="#">H3</a>	<a href="#">C3</a>	<a href="#">MMP-003</a>	RED
<a href="#">H4</a>	<a href="#">C4</a>	<a href="#">MMP-007</a>	YELLOW
<a href="#">H5</a>	<a href="#">C5</a>	<a href="#">MMP-048</a>	BLUE
<a href="#">H7</a>	<a href="#">C7</a>	<a href="#">MMP-002</a>	BROWN
<a href="#">H11</a>	<a href="#">C62</a>	<a href="#">MMP-001</a>	FLAT WHITE
<a href="#">H12</a>	<a href="#">C33</a>	<a href="#">MMP-047</a>	FLAT BLACK
<a href="#">H16</a>	<a href="#">C64</a>		YELLOW GREEN
<a href="#">H26</a>	<a href="#">C66</a>		BRIGHT GREEN
<a href="#">H44</a>	<a href="#">C51</a>		COBALT BLUE
<a href="#">H47</a>	<a href="#">C41</a>	<a href="#">MMP-012</a>	RED BROWN
<a href="#">H51</a>	<a href="#">C11</a>	<a href="#">MMP-063</a>	LIGHT GULL GRAY
<a href="#">H53</a>	<a href="#">C13</a>		NEUTRAL GRAY
<a href="#">H60</a>	<a href="#">C16</a>		GREEN
<a href="#">H70</a>	<a href="#">C60</a>	<a href="#">MMP-056</a>	GRAY
<a href="#">H77</a>	<a href="#">C137</a>	<a href="#">MMP-040</a>	TIRE BLACK
<a href="#">H78</a>	<a href="#">C38</a>		OLIVE DRAB
<a href="#">H82</a>	<a href="#">C31</a>		DARK GRAY

GSI Creos (GUNZE)		MISSION MODELS	
AQUEOUS	Mr.COLOR	PAINTS	
<a href="#">H84</a>	<a href="#">C42</a>		MAHOGANY
<a href="#">H90</a>	<a href="#">C47</a>		CLEAR RED
<a href="#">H94</a>	<a href="#">C138</a>		CLEAR GREEN
<a href="#">H302</a>	<a href="#">C302</a>		GREEN
<a href="#">H310</a>	<a href="#">C310</a>	<a href="#">MMP-060</a>	BROWN
<a href="#">H320</a>	<a href="#">C320</a>		LIGHT BLUE
<a href="#">H332</a>	<a href="#">C332</a>		LIGHT AIRCRAFT GRAY
<a href="#">H414</a>	<a href="#">C114</a>	<a href="#">MMP-003</a>	RED
<a href="#">H417</a>	<a href="#">C117</a>	<a href="#">MMP-051</a>	GRAY
	<a href="#">C35</a>		SKY BLUE
	<a href="#">C391</a>		INTERIOR GREEN
Mr.METAL COLOR		METALLICS	
<a href="#">MC213</a>		<a href="#">MMM-006</a>	STEEL
<a href="#">MC214</a>		<a href="#">MMM-001</a>	DARK IRON
<a href="#">MC216</a>		<a href="#">MMM-003</a>	ALUMINIUM
Mr.COLOR SUPER METALLIC		METALLICS	
<a href="#">SM201</a>		<a href="#">MMC-001</a>	SUPER FINE SILVER

- 1** =
- MARKINGS A;D**  
H51 MMFP C111 053 GRAY
  - MARKINGS B;E**  
H70 MMFP C601 056 GRAY
  - MARKING C**  
H417 MMFP C117 051 LIGHT BLUE

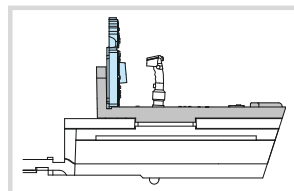
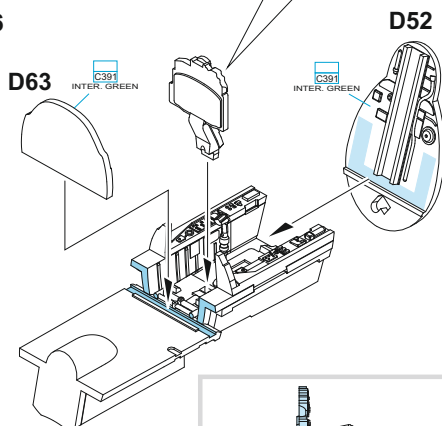
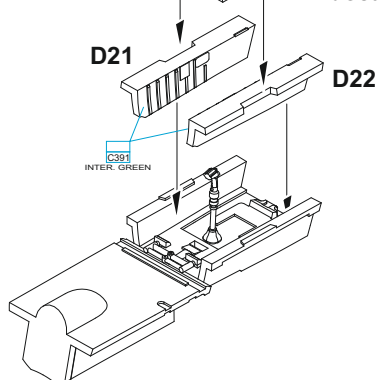


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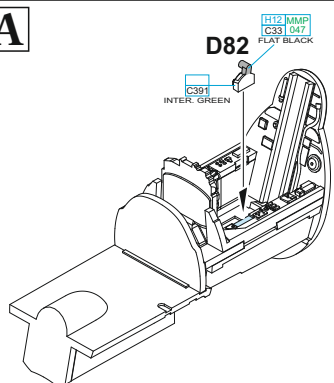


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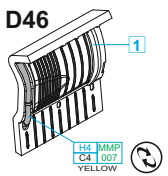
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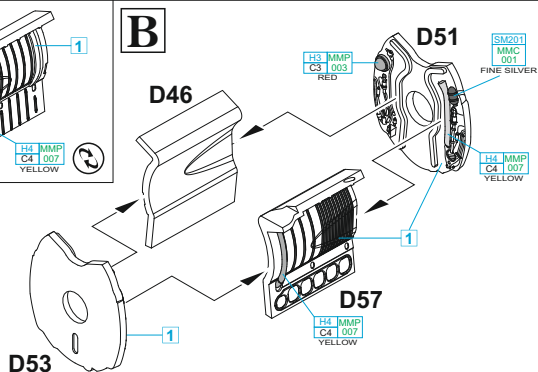
**A**



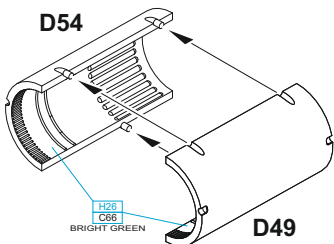
**D46**



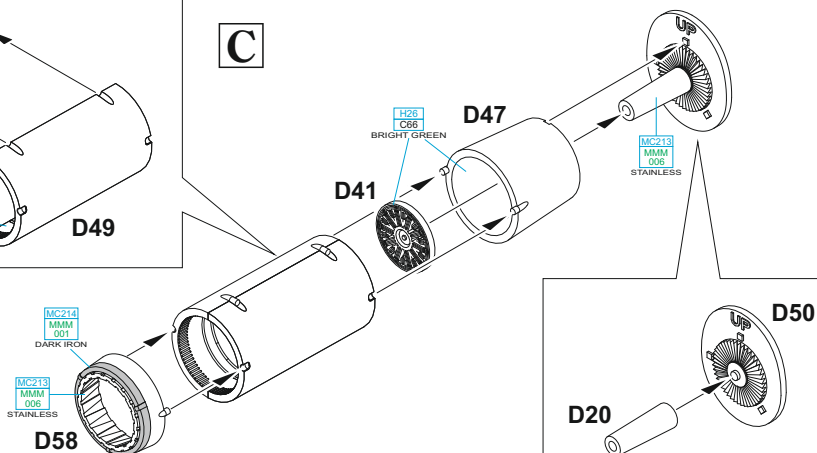
**B**



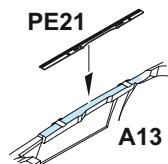
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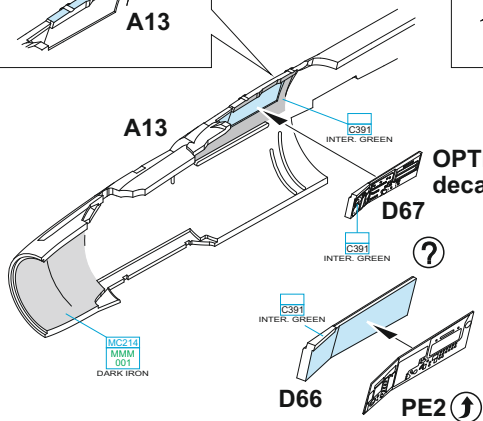
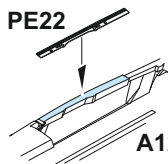
**C**



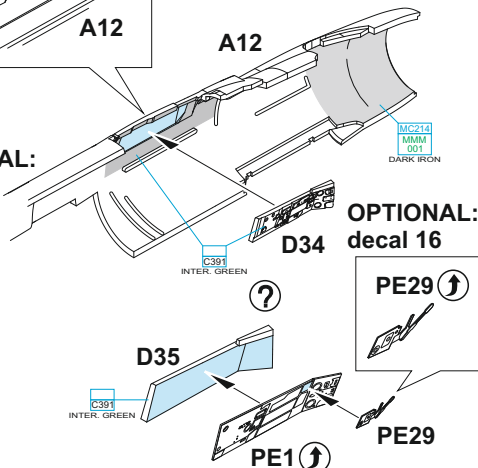
**PE21**



**PE22**

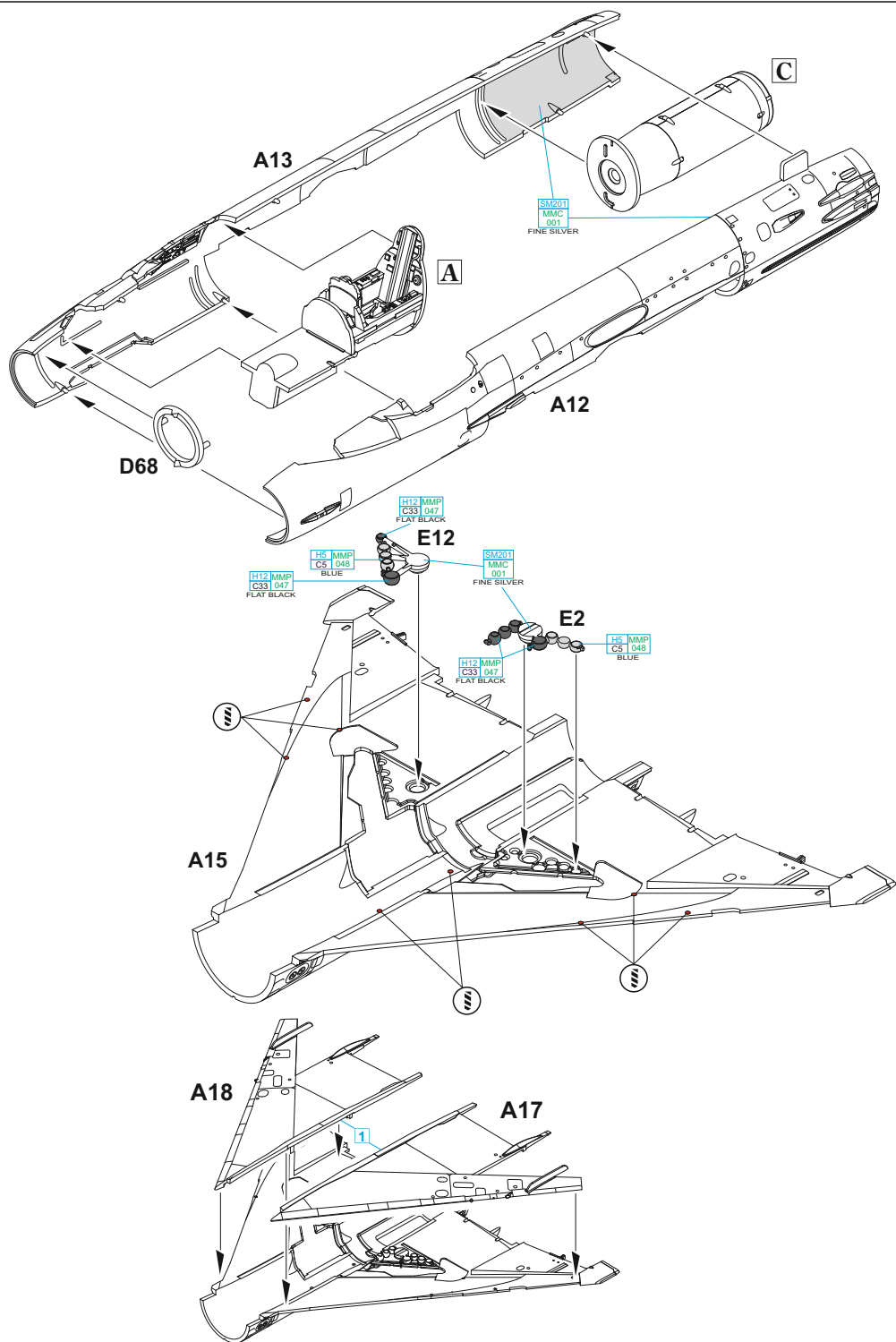


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decal 17**

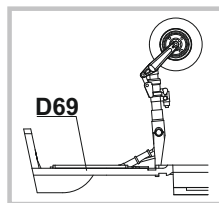
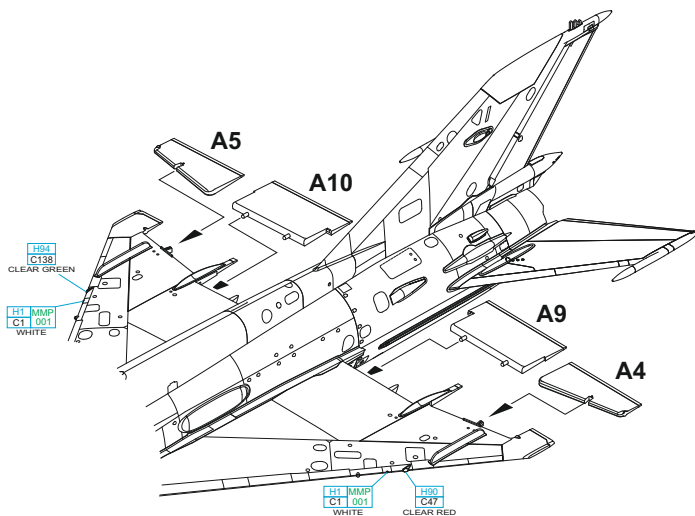
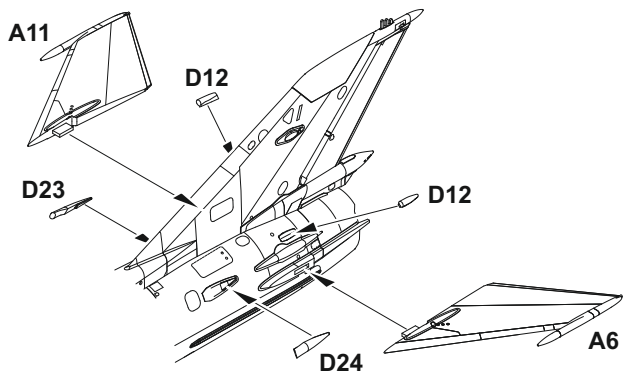


**OPTIONAL:  
decal 16**









D29

H177 MMP  
C137 040  
TIRE BLACK

H28 C66  
BRIGHT GREEN

D28

D27

**D**

H51 MMP  
C111 063  
GRAY

H70 MMP  
C601 056  
GRAY

SA2201  
MMC  
001  
FINE SILVER

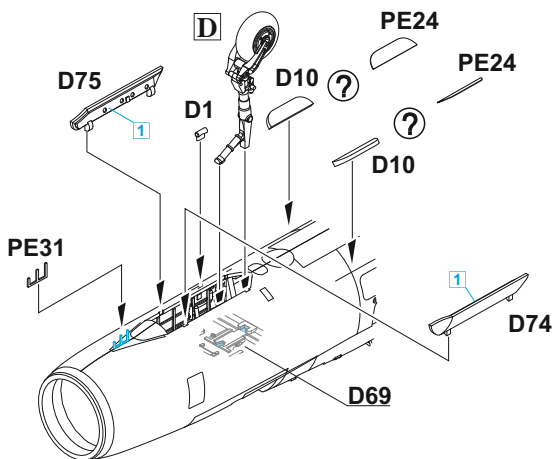
D84

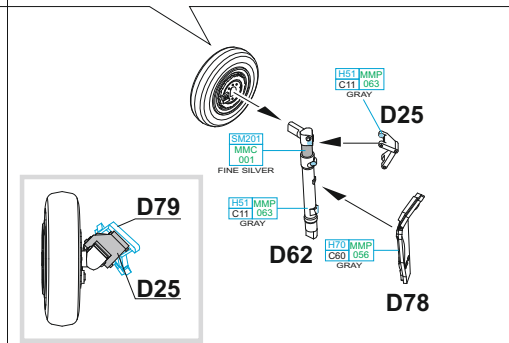
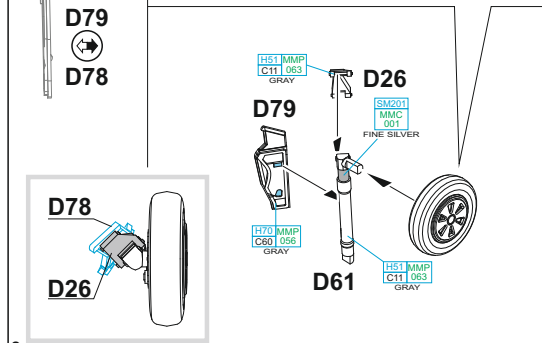
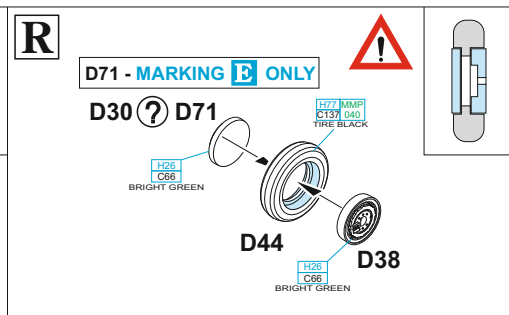
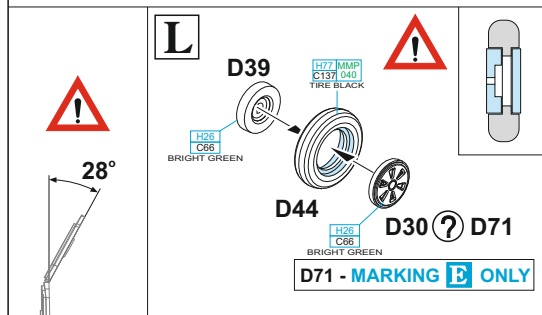
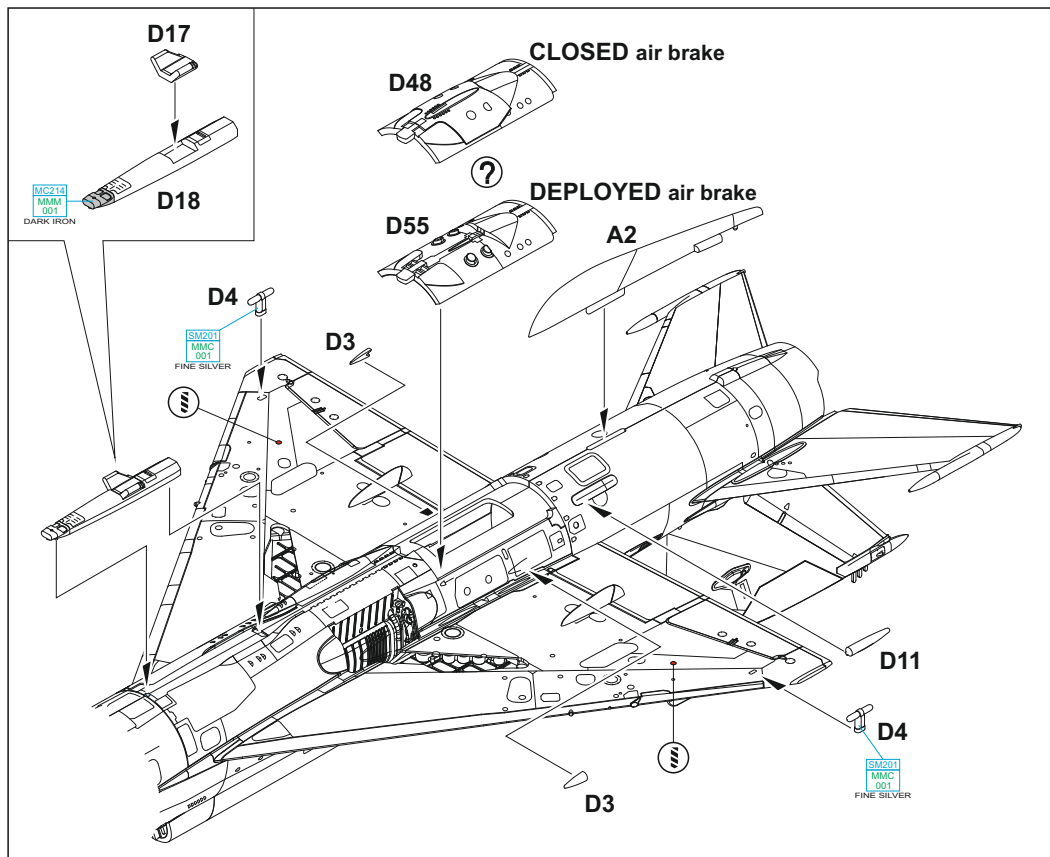
H51 MMP  
C111 063  
GRAY

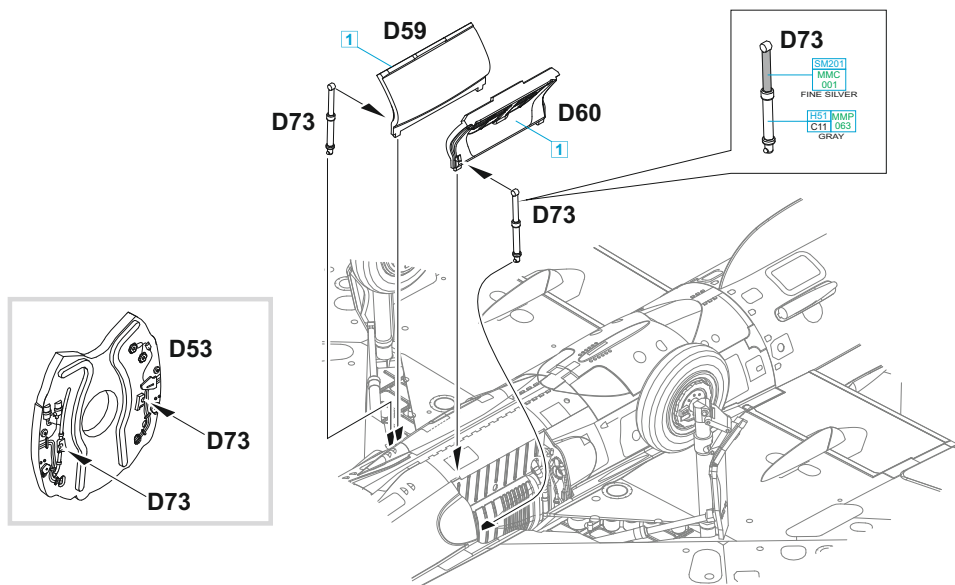
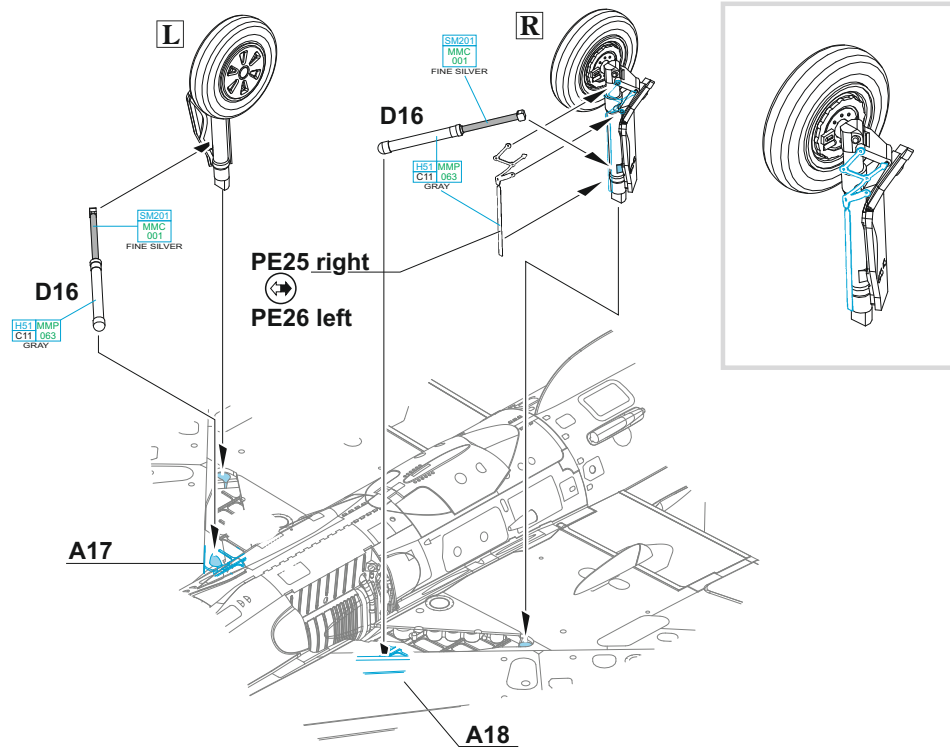
- MARKINGS **A;D**

H70 MMP  
C601 056  
GRAY

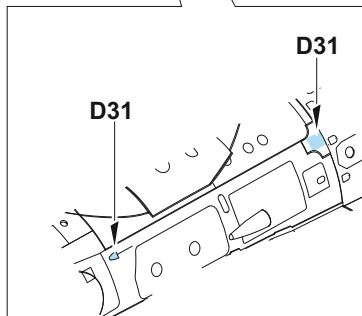
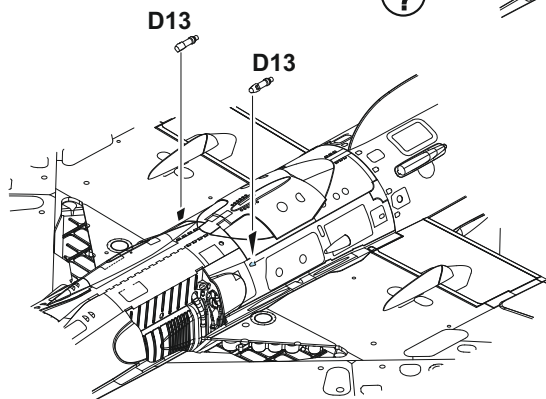
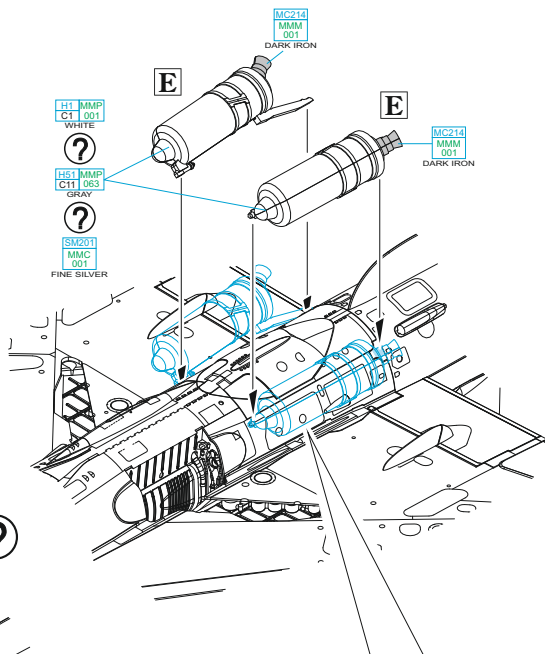
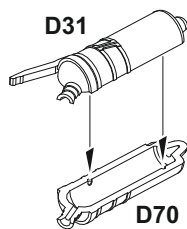
- MARKINGS **B;C;E**



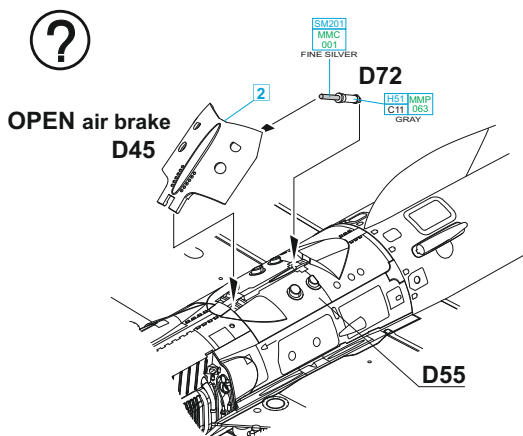
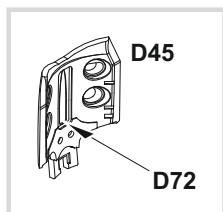


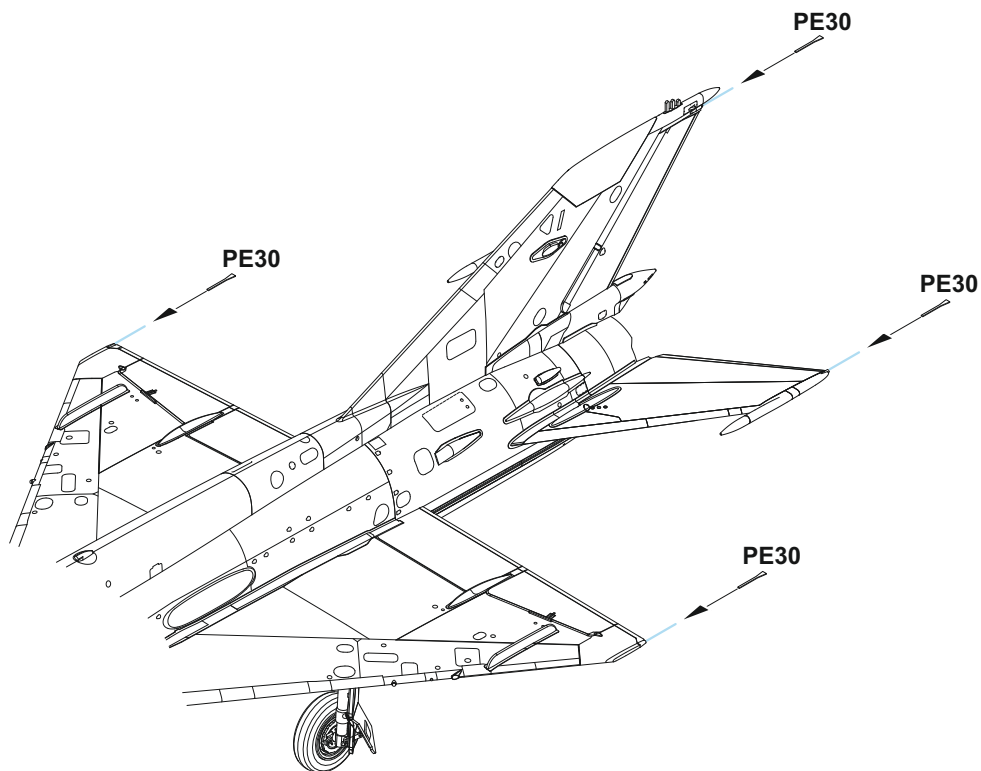


**E 2 pcs.**



- 2** =
- H31 MMP C11 063 GRAY - MARKINGS **A**; **D**
  - H4 MMP C4 007 YELLOW - MARKINGS **B**; **E**
  - H317 MMP C117 051 LIGHT BLUE - MARKING **C**



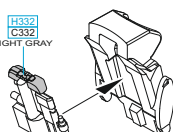


**F**



**D65**

**H52  
C32**  
LIGHT GRAY



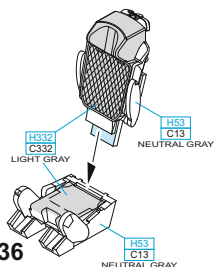
**D64**

**H53  
C13**  
NEUTRAL GRAY

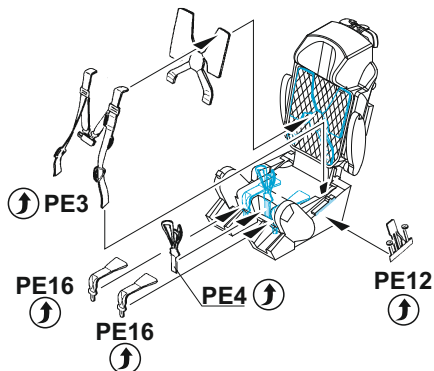
**D36**

**H52  
C32**  
LIGHT GRAY

**H53  
C13**  
NEUTRAL GRAY



**PE17**



**PE16**



**PE16**



**PE4**



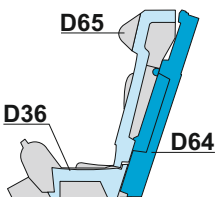
**PE12**



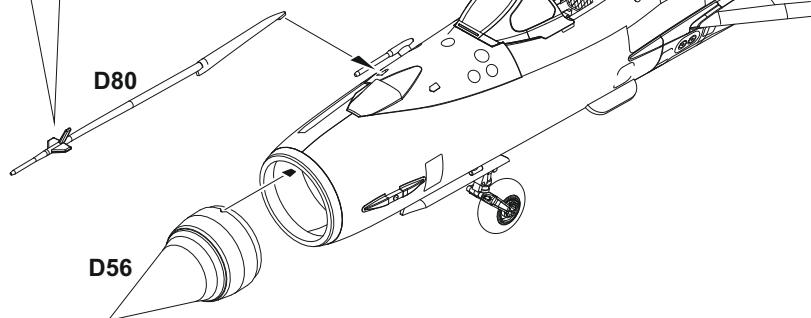
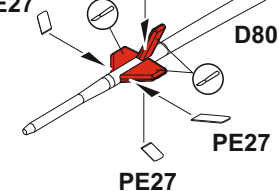
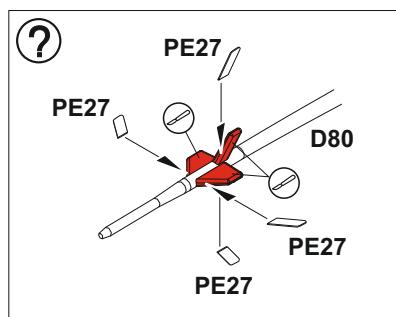
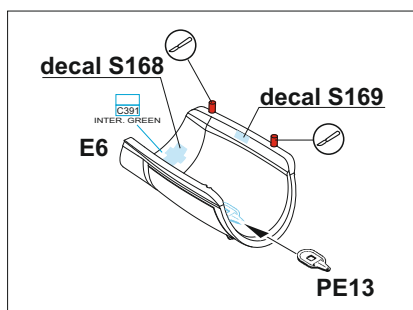
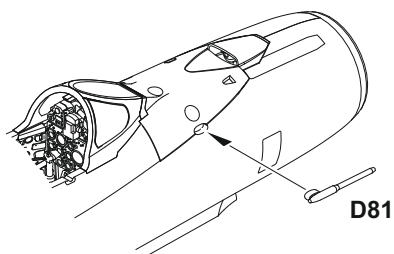
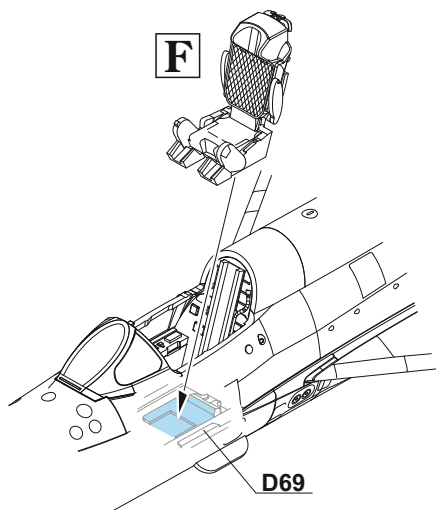
**D36**

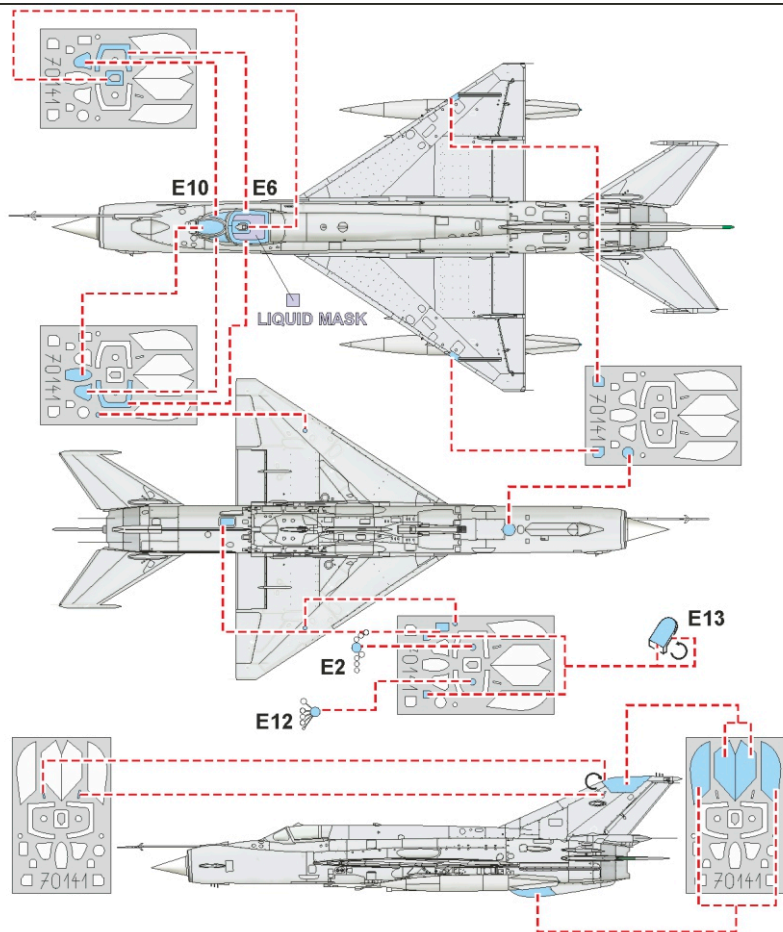
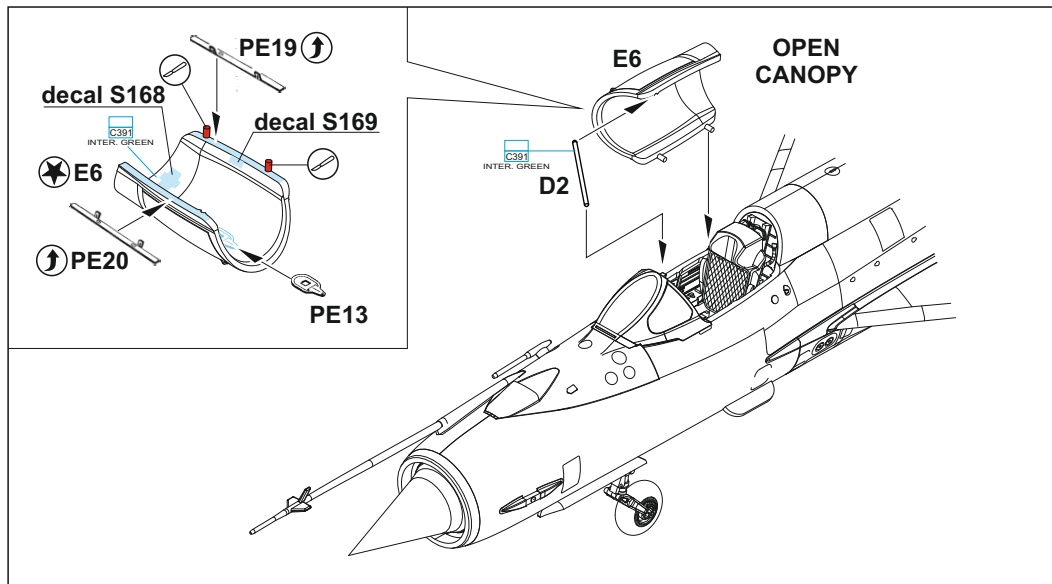
**D65**

**D64**

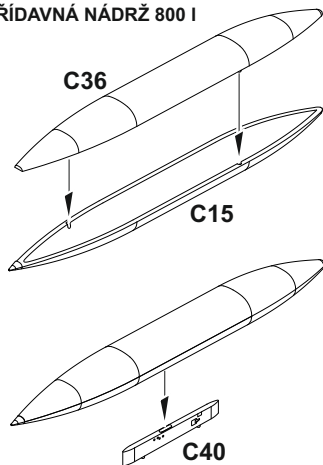




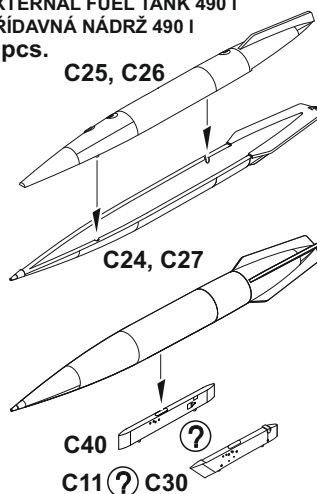




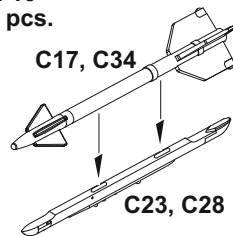
**EXTERNAL FUEL TANK 800 I  
PŘÍDAVNÁ NÁDRŽ 800 I**



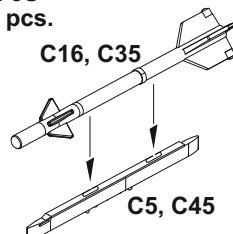
**EXTERNAL FUEL TANK 490 I  
PŘÍDAVNÁ NÁDRŽ 490 I**  
2 pcs.



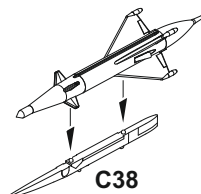
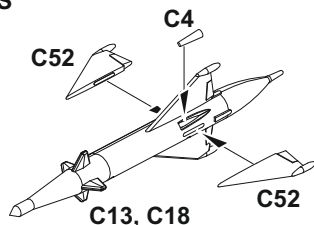
**R-13**  
2 pcs.



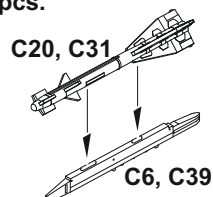
**R-3S**  
2 pcs.



**RS-2US**  
2 pcs.



**R-60**  
2 pcs.



**EXTERNAL  
FUEL TANK PYLONS  
ZÁVĚSNÍK  
PŘ. NÁDRŽE**  
C30

UNDERSURFACE  
COLOR



**EXTERNAL  
FUEL TANK PYLONS  
ZÁVĚSNÍK  
PŘ. NÁDRŽE**  
C40 C10

UNDERSURFACE  
COLOR



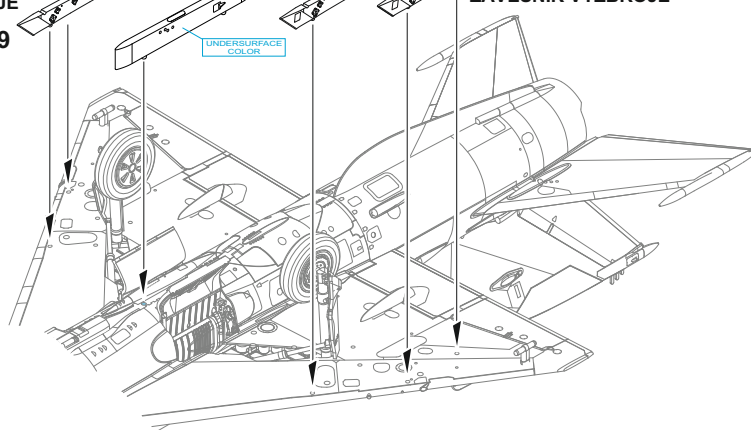
**EXTERNAL  
FUEL TANK PYLONS  
ZÁVĚSNÍK  
PŘ. NÁDRŽE**  
C11

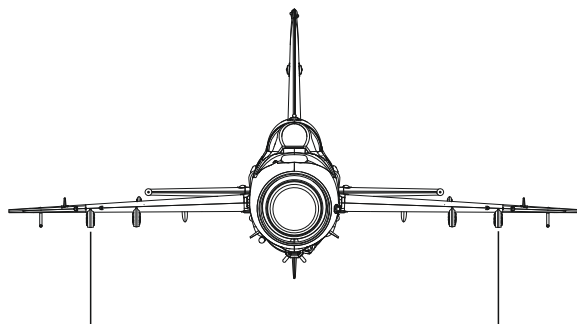
UNDERSURFACE  
COLOR

**WEAPON PYLONS  
ZÁVĚSNÍK VÝZBROJE**  
C9



**WEAPON PYLONS  
ZÁVĚSNÍK VÝZBROJE**





**EXTERNAL  
FUEL  
TANK 800 l**

|| C40



**EXTERNAL  
FUEL  
TANK 490 l**

|| C40



**EXTERNAL  
FUEL  
TANK 490 l**

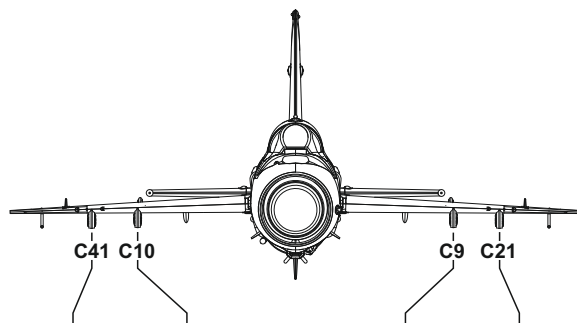
|| C11



|| C30



## TYPICAL ARMAMENT FOR QUICK REACTION ALERT DUTY



**2x RS-2US**

|| C5



|| C38



|| C38



|| C45



**2x R-3S**

**2x RS-2US**

|| C23



|| C38



|| C38



|| C28



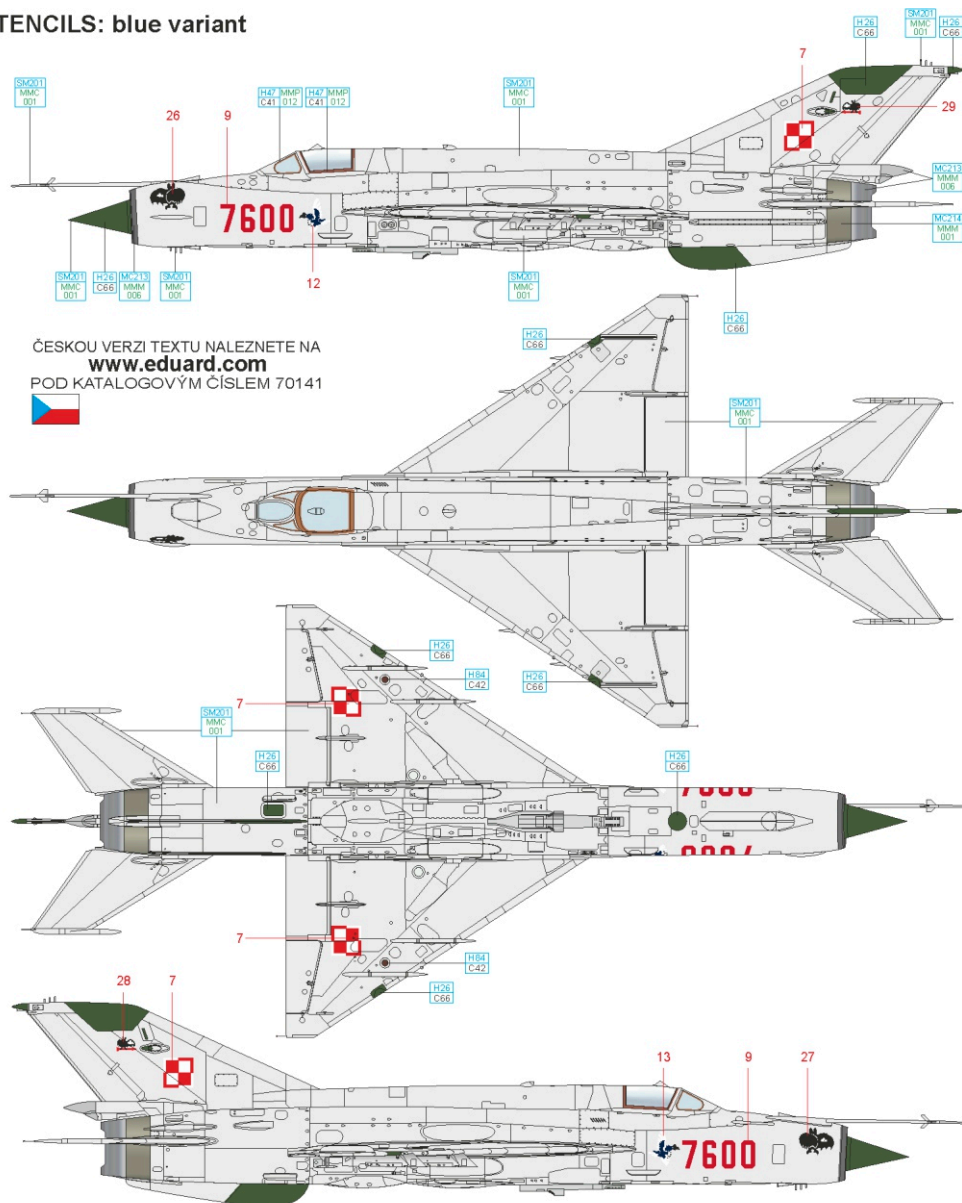
**2x R-13**

**TO CHOOSE WEAPON AND EXTERNAL FUEL TANK  
OPTION PLEASE FOLLOW YOUR REFERENCE.**

**PRO VOLBU VÝZBROJE A PŘÍDAVNÝCH NÁDRŽÍ SE DRŽTE  
DOKUMENTACE KONKRÉTNÍHO STROJE.**

The aircraft with a production number 96007600 was handed over to the Polish Air Force in December 1975, it was then sent to the 34th Pułk Lotnictwa Myśliwskiego at Gdynia-Babie Dół Base. It then served by other squadrons. From May 13th, 1989 it was used by 2nd Eskadra Lotnictwa Myśliwskiego, located at Mierzęcice Air Base. The 2nd ELM used the plane until October 1998. In 1999, the aircraft was sold to the USA, where it could have been seen until its heavy damage caused by the hurricane in the autumn 2008 in Texas Lone Star Flight Museum in Galveston. MiG-21MF No. 7600 was painted in aluminium paint with Polish national insignia on the aft surfaces and on the undersides of the wing. The nose of the aircraft had a 2nd ELM sign; its smaller version was painted on the vertical stabilizer. There is an 11th PLM sign behind the red number 7600.

## STENCILS: blue variant

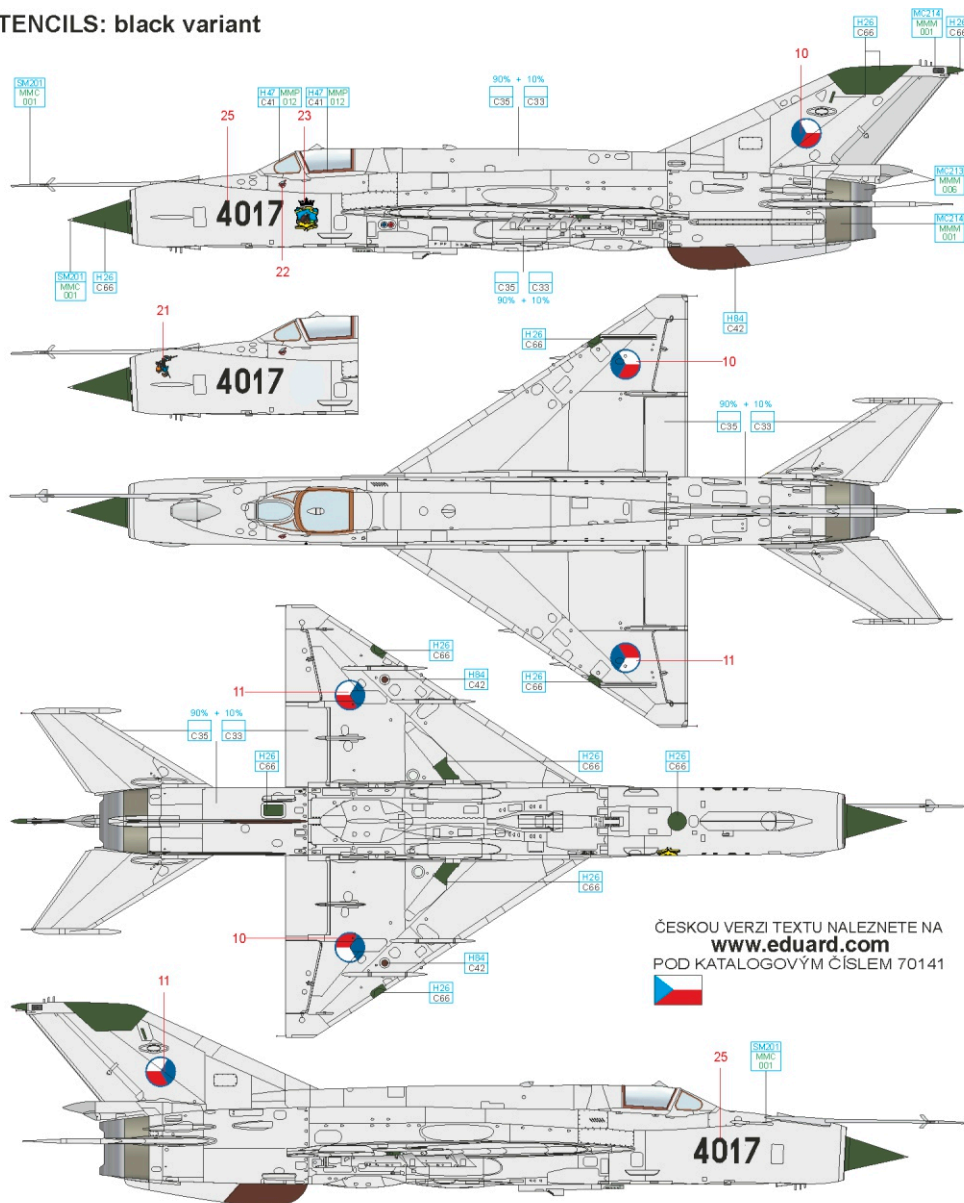


ČESKOU VERZI TEXTU NALEZNETE NA  
**www.eduard.com**  
POD KATALOGOVÝM ČÍSLEM 70141



This MiG-21MF from České Budějovice (1. slp – 1st Fighter Air Regiment) was handed over to 9. slp (9th Fighter Air Regiment) in Bechyně in 1988. The technician, Vladimír Daňo, painted a sign portraying a squirrel onto the aircraft. He did the same to other aircraft in his care (4x MiG-21MF, 1x MiG-21UM and 1x L-29). After the command ordering him to remove the squirrel sign, the sign was covered by gray colour and the nose of the aircraft got another sign, this time a duck with a sword. An aircraft bearing this kind of sign was handed over from 1st Squadron of 9. sbolp (9th Fighter-Bomber Air Regiment) to 82. sslt (82nd Independent Fighter Squadron) in Ostrava Mošnov. After a short stay there, the plane was deposited to LOZ Lině. In 1999 it was upgraded to an MFN standard and put back into operation again.

## STENCILS: black variant



ČESKOU VERZI TEXTU NALEZNETE NA  
**www.eduard.com**  
POD KATALOGOVÝM ČÍSLEM 70141

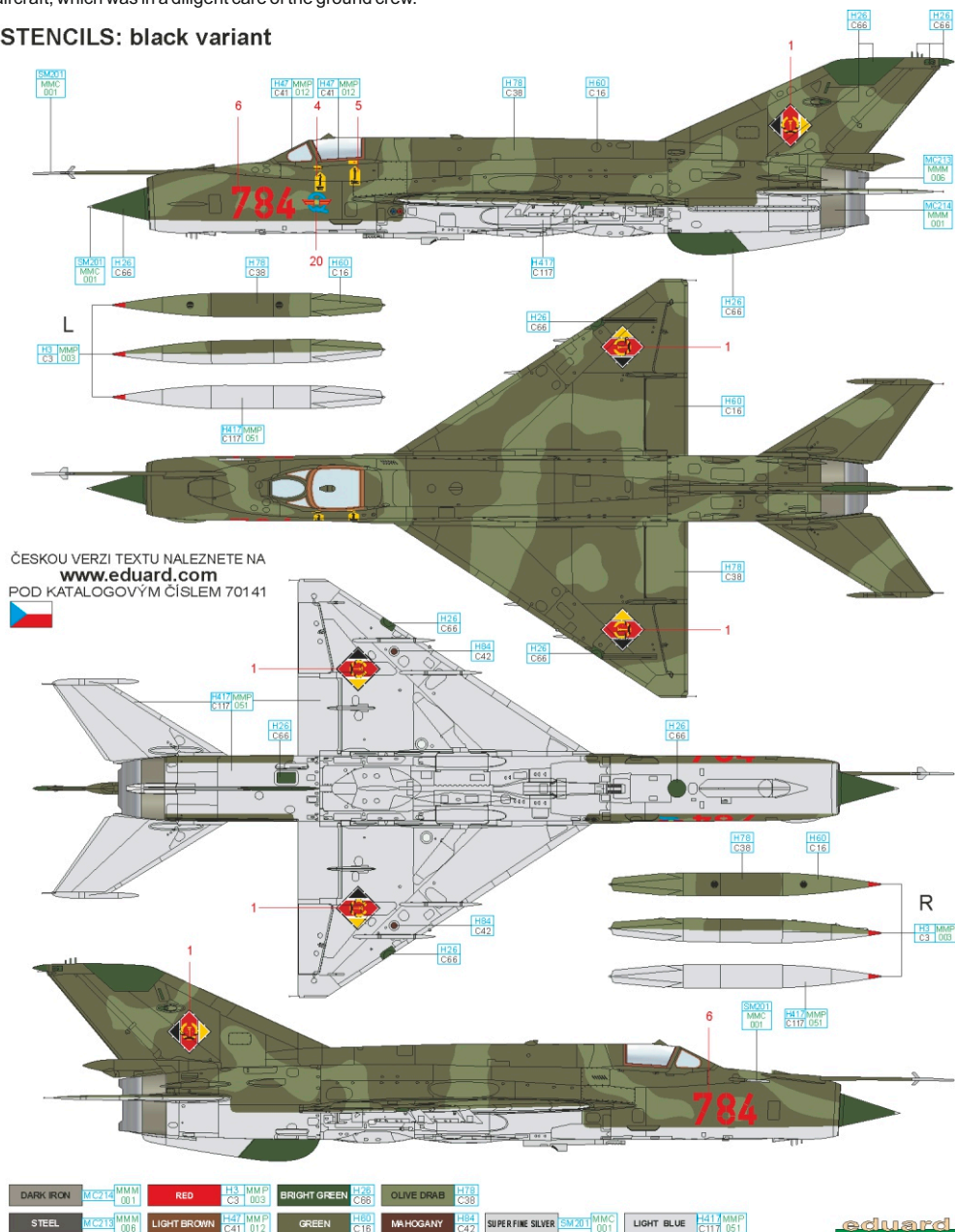


DARK IRON	MC214	MMM001	MAHOGANY	H94C42
STEEL	MC213	MMM006	BRIGHT GREEN	H26C66
			LIGHT GRAY	C35
			BLACK	C33
			SUPER FINE SILVER	SM201MMC001
			LIGHT BROWN	H47C41MM01012



On December 14th, 1954 the 3rd Kommando of the 1st Aeroklub was established in Cottbus; on August 24th 1956, it was renamed to Fliegergeschwader 3. The same year, following the use of training aircraft, Yak-11 and 18, it was equipped with MiG-15s. The first MiG-21s in an F-13 variant went to the first military unit in 1962. On March 1st, 1971 this unit was bestowed on the honorary name after Russian astronaut, Wladimir Komarow, who died in 1967 while performing an emergency landing of a spacecraft. In 1988, a scheduled change of the then used MiG-21MFs for MiG-29s that were substituted by "21s" took place at two out of three Staffels. The camouflage of the Eastern German Aircraft No. 784 is formed by two shades of green on the upper surfaces; the undersides are camouflaged by light blue. Underneath the cockpit there is a so-called Q-mark, a marking of the aircraft, which was in a diligent care of the ground crew.

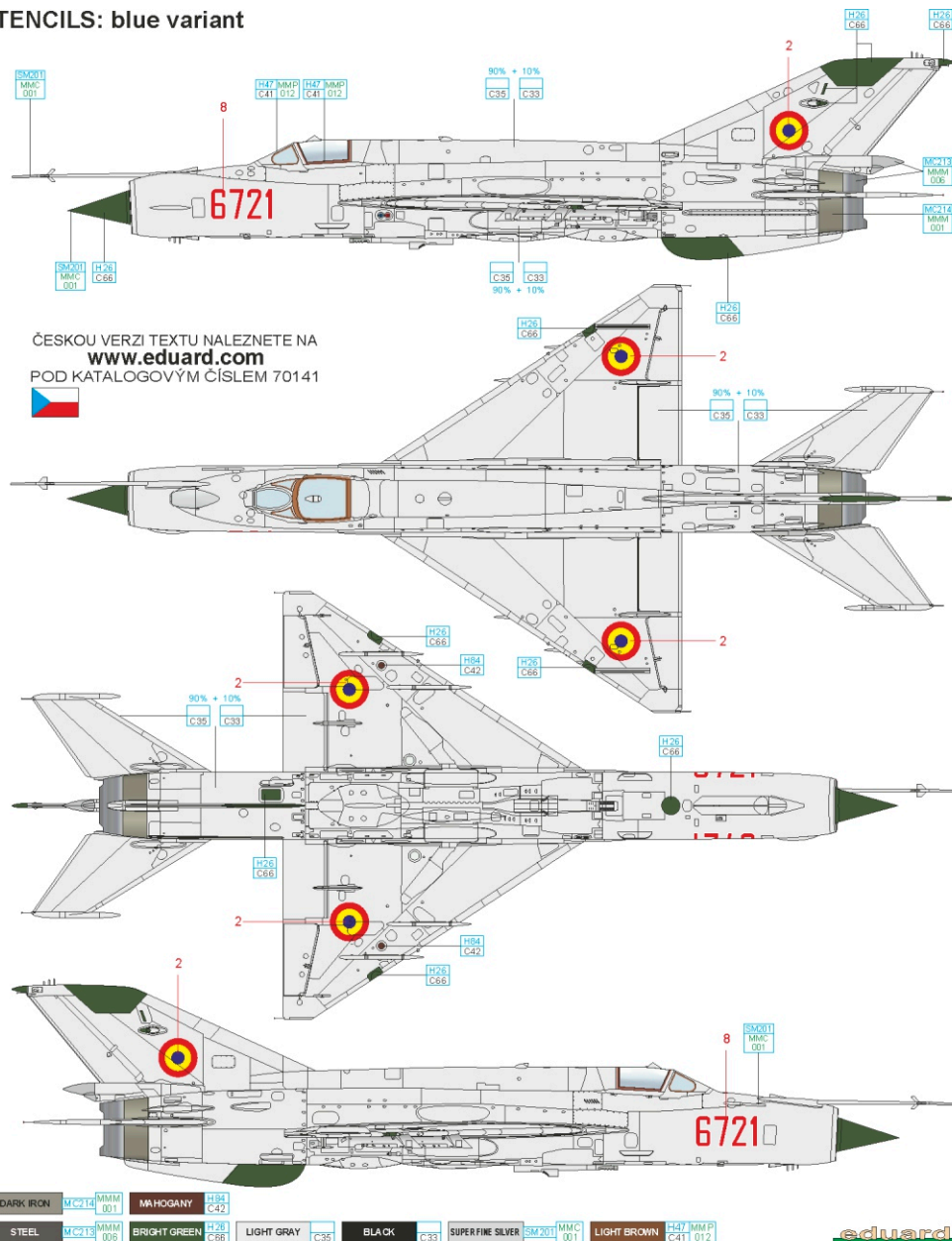
## STENCILS: black variant





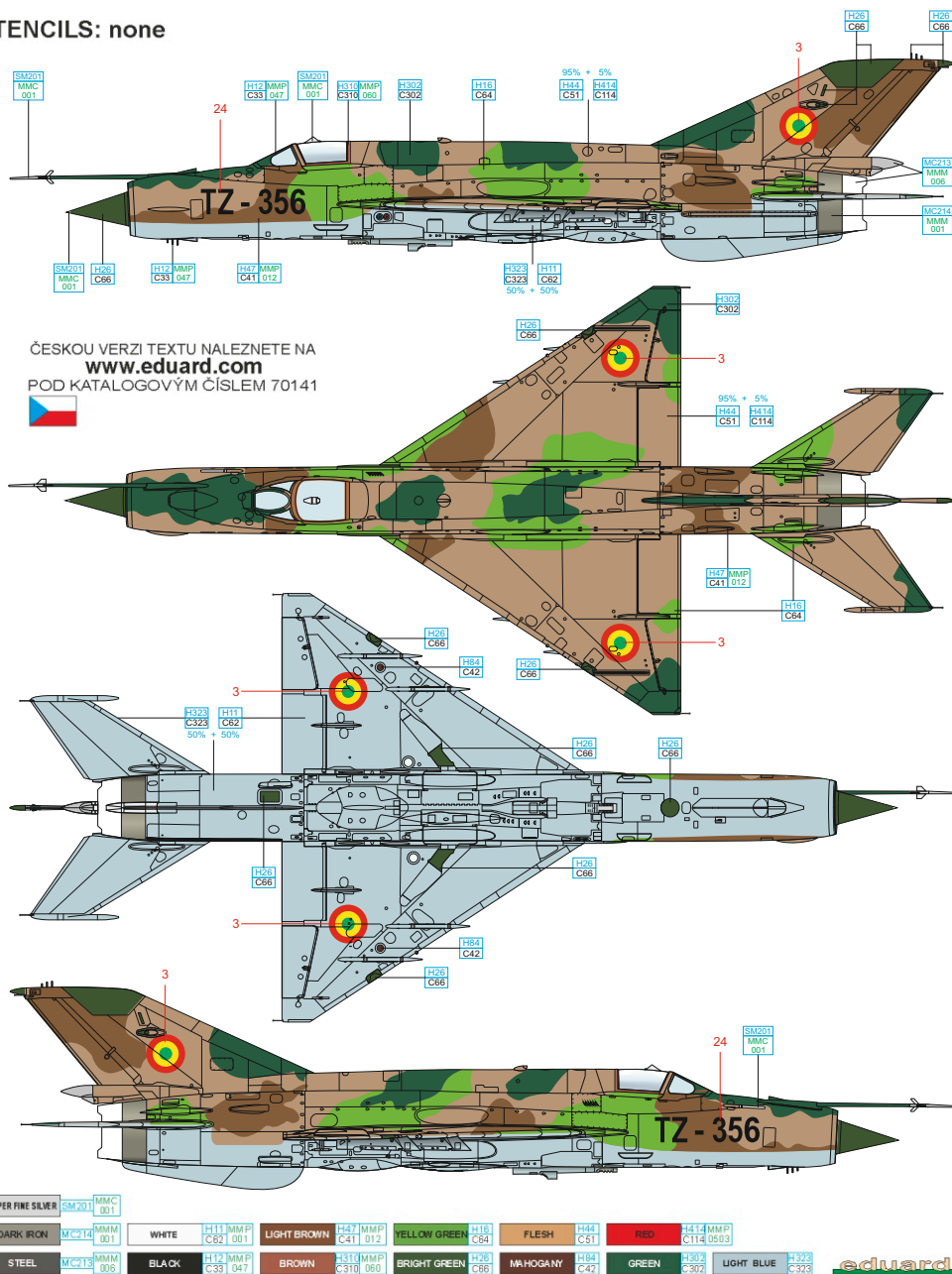
The first aircraft of the MF version were supplied to then Socialistic Republic of Romania in 1972. These aircraft first served along with the older versions of MiG-21 and MiG-15, which they consequently substituted. From 1975, the aircraft produced in plant No. 21 in Gorky were supplied to Escadrila de Aviație Vânătoare, which was renamed to Regimentul 71 Aviație Vânătoare on June 30th, 1986. On June 9th, 1987 this unit was transferred from Devesel Base to Câmpia Turzii Base from where the aircraft has been taking off till nowadays. On November 22nd, 2006 Cpt. Cdr. Dan Ghica, crashed with this aircraft near to the town of Beliu, he did not survive the crash. Like other aircraft produced in Plant 21 in Gorky, this aircraft was supplied in gray colour on all surfaces. There were Romanian national insignia on traditional six positions on the aircraft accompanied by the last four digits of the production number, in red colour, placed on the nose of the aircraft.

## STENCILS: blue variant

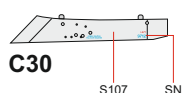


Following the write off of the MiG-21s from the Czech Air Force in the mid 2005, the MiG-21MFs No. 5508 and 5512, along with the MiG-21UM No. 9341, were purchased by The Republic of Mali. After the transfer of the aircraft to the Senou Airbase, all three fighter planes were assembled by a group of Czech specialists encompassing two pilots, and then there were test flights performed and the planes were handed over to Malian Air Force. The final phase of the mission included the fly-by of Tz-356 MiG piloted by Malian pilot above the capital city of Bamako. The Tz-356 aircraft, as the aircraft No. 5512 was marked, had a camouflage in a form of two shades of green and two shades of brown colour on the upper surfaces and the sides. The undersides were painted blue. The usual six positions of the MiG aircraft bore the Malian national insignia.

**STENCILS:** none

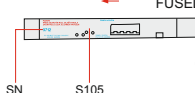


LEVÝ VNĚJŠÍ PALIVOVÝ  
PYLON  
LEFT OUTSIDE  
UNDERWING TANK PYLON



SN - SERIAL NUMBER  
MALÉ NA DRÁK LETOUNU  
STŘEDNÍ NA ZÁVĚSNÍKY  
VELKÉ NA RAKETNICE

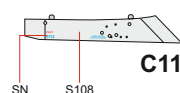
PODTRUPOVÝ PYLON  
FUSELAGE PYLON



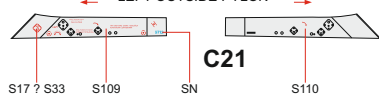
SN - SERIAL NUMBER  
SMAL TO AIRFRAME  
MEDIUM TO PYLONS  
LARGE TO ROCKET LAUNCHERS



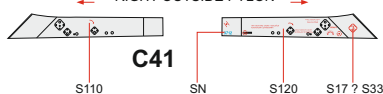
PRAVÝ VNĚJŠÍ PALIVOVÝ  
PYLON  
RIGHT OUTSIDE  
UNDERWING TANK PYLON



LEVÝ VNĚJŠÍ PYLON  
LEFT OUTSIDE PYLON



PRAVÝ VNĚJŠÍ PYLON  
RIGHT OUTSIDE PYLON



LEVÝ VNITŘNÍ PYLON  
LEFT INSIDE PYLON

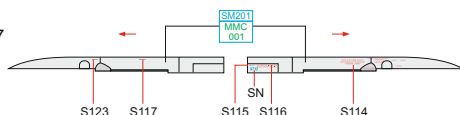
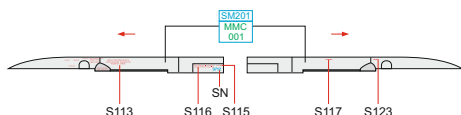


PRAVÝ VNITŘNÍ PYLON  
RIGHT INSIDE PYLON



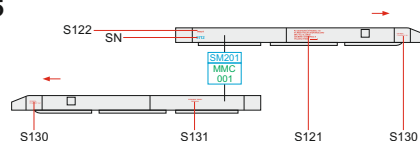
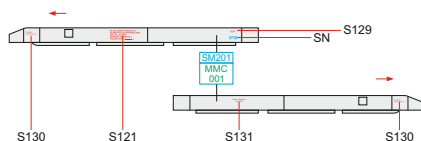
**C38**

APU-7



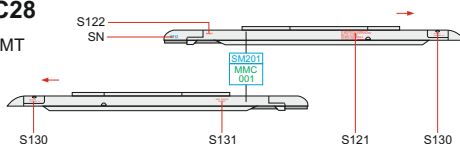
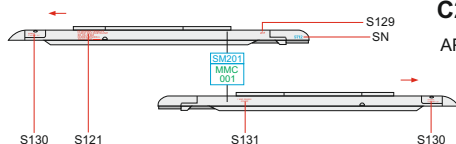
**C5, C45**

APU-13



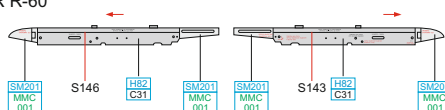
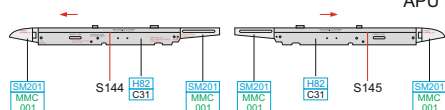
**C23, C28**

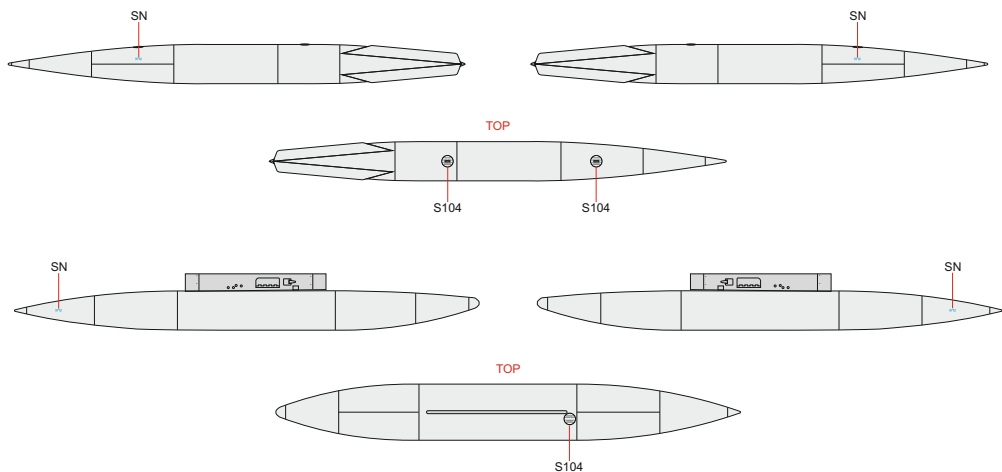
APU-13MT



**C6, C39**

APU FOR R-60





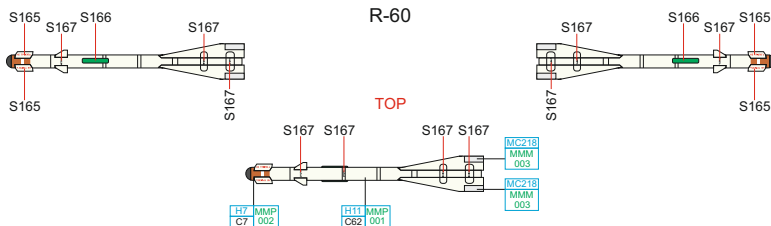
R-3S



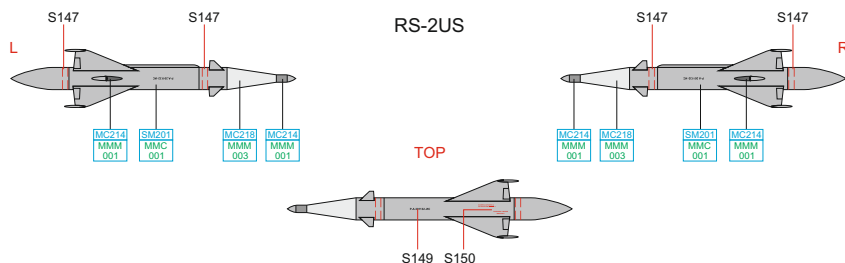
R-13

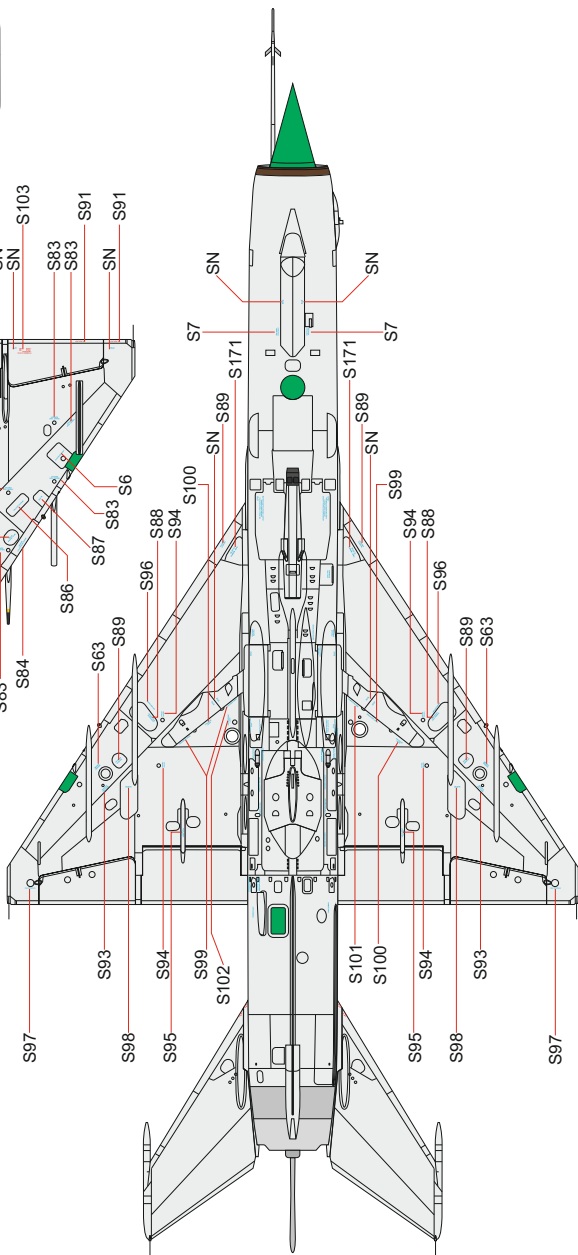
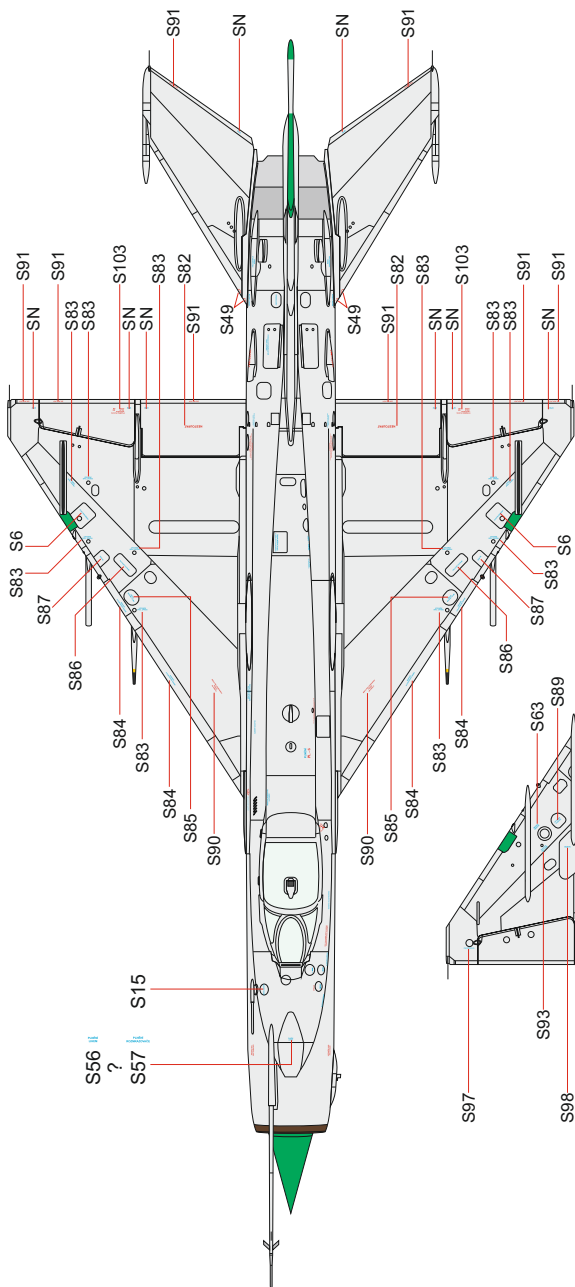


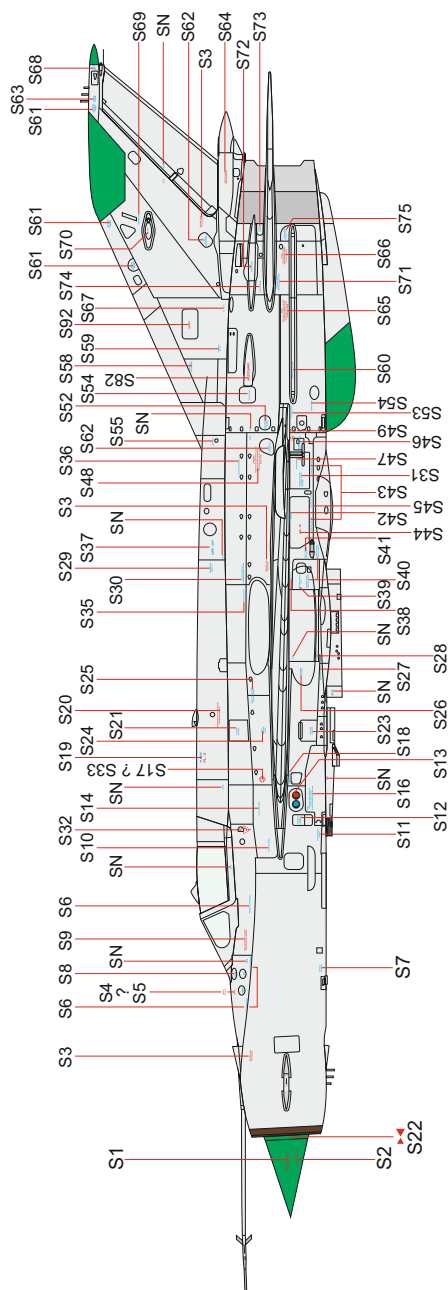
R-60



RS-2US







**SN - SERIAL NUMBER**  
 SMAL TO AIRFRAME  
 MEDIUM TO PYLONS  
 LARGE TO ROCKET LAUNCHERS

**SN - SERIAL NUMBER**  
 MALÉ NA DRAK LETOUNU  
 STŘEDNÍ NA ZÁVĚSNÍKY  
 VELKÉ NA RAKETNICE

