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 in 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 of the second generation aircraft equipped with an onboard radar included the PF, FL, PFM and R, production of which which peaked at the end of the sixties. The third generation started production in 1968, which included such versions as the M, SM, MF, SMT and 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 over the years was put into service with some fifty countries. 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. MiG-21 of various versions became famous also thanks to the wide use by the North Vietnamese AF during the Vietnam War. Thanks to the high volume of use, the highest number of fighter aces produced on the type was in Vietnam. The type was used as an interceptor with the Soviet Union and other members of the Warsaw Pact into the eighties, when it began to be displaced by the MiG-29 Fulcrum.

You can build the MiG-21PF from this kit, the second generation of the MiG-21. The first second generation type was the MiG-21P, introduced in 1960, followed by the MiG-21PF, produced from 1962 until 1968 at the Gorky and Moscow production plants. The MiG-21PF, as well as the MiG-21P, was developed as an air superiority fighter. Unlike the first generation MiG-21Fs, the second generation aircraft were equipped with an onboard TSD-30T (RP-21M Safir) radar. The cannon was removed, the only weapons being a pair of RS-2US or R-3S AA missiles. The design featured wider wheels, and rocket assisted take-off allowed operations from frontline airfields. Latter development led to the MiG-21PFM with modernized wing, simultaneously produced from 1963 until 1968. The NATO code name for the MiG-21PF was Fishbed D.

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 započetím 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 ✶ SYMBOLES ✶ 記号の説明

OPTIONAL VOLBA

BEND OHNOUT

SAND BROUSIT

OPEN HOLE VYVRTAT OTVOR

SYMETRICAL ASSEMBLY SYMETRICKÁ MONTÁŽ

REMOVE ODŘÍZNOUT

REVERSE SIDE OTOČIT

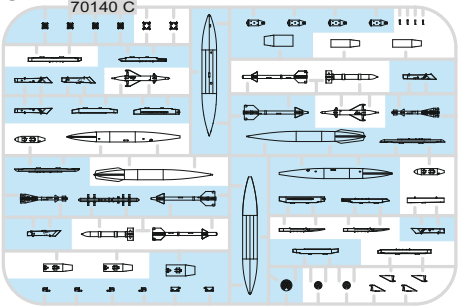
APPLY EDUARD MASK AND PAINT POUŽÍT EDUARD MASK NABARVIT

PARTS ✶ DÍLY ✶ TEILE ✶ PIÈCES ✶ 部品

PLASTIC PARTS

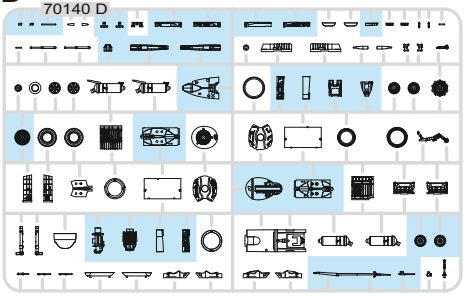
C>

70140 C



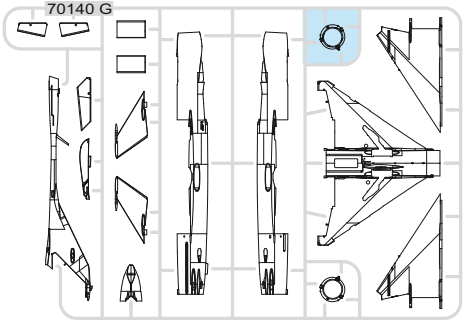
D>

70140 D



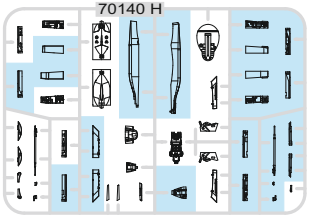
G>

70140 G



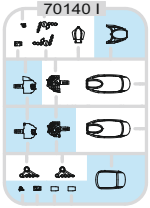
H>

70140 H



I>

70140 I



-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

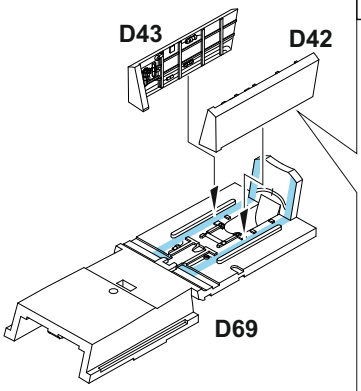
COLOURS ✶ BARVY ✶ FARBEN ✶ PEINTURE ✶ 色

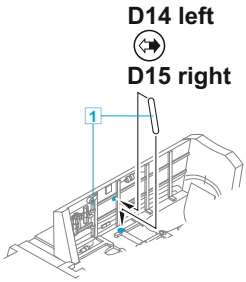
GSi Creos (GUNZE)		MISSION MODELS	
AQUEOUS	Mr.COLOR	PAINTS	
H1	C1	MMP-001	WHITE
H3	C3	MMP-003	RED
H4	C4	MMP-007	YELLOW
H5	C5	MMP-048	BLUE
H11	C62	MMP-001	FLAT WHITE
H12	C33	MMP-047	FLAT BLACK
H26	C66		BRIGHT GREEN
H27	C66		TAN
H47	C41	MMP-012	RED BROWN
H51	C11	MMP-063	LIGHT GULL GRAY
H67	C115	MMP-057	LIGHT BLUE
H70	C60	MMP-056	GRAY
H77	C137	MMP-040	TIRE BLACK
H81	C55	MMP-023	KHAKI
H84	C42		MAHOGANY
H90	C47		CLEAR RED

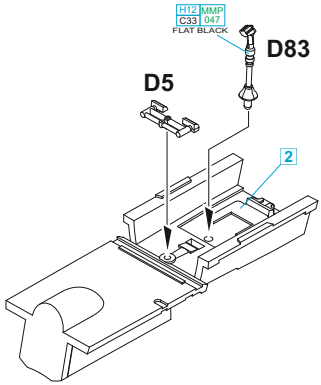
GSi Creos (GUNZE)		MISSION MODELS	
AQUEOUS	Mr.COLOR	PAINTS	
H94	C138		CLEAR GREEN
H305	C305	MMP-084	GRAY
H308	C308		GRAY
H315	C315	MMP-069	GRAY
H332	C332		LIGHT AIRCRAFT GRAY
H337	C337		GRAYISH BLUE
H422	C122	MMP-053	LIGHT GREEN
	C136	MMP-032	RUSSIAN GREEN
	C391		INTERIOR TURQUOISE GREEN
Mr.METAL COLOR		METALLICS	
MC213		MMM-006	STEEL
MC214		MMM-001	DARK IRON
MC218		MMM-003	ALUMINIUM
Mr.COLOR SUPER METALLIC		METALLICS	
SM201		MMC-001	SUPER FINE SILVER

1 = H70 MMP C60 056 GRAY - MARKING A
SM201 MMC 001 FINE SILVER - MARKING B

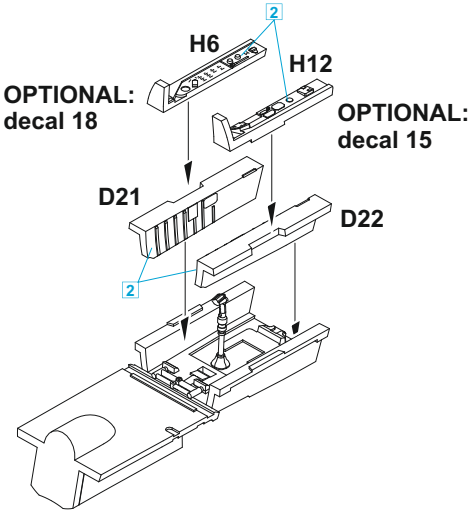
2 = C391 INT. GREEN - MARKING A
H308 MMP C308 073 GRAY - MARKING B

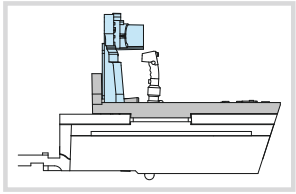


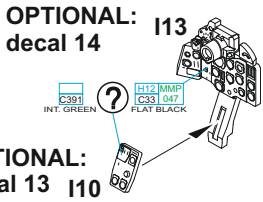


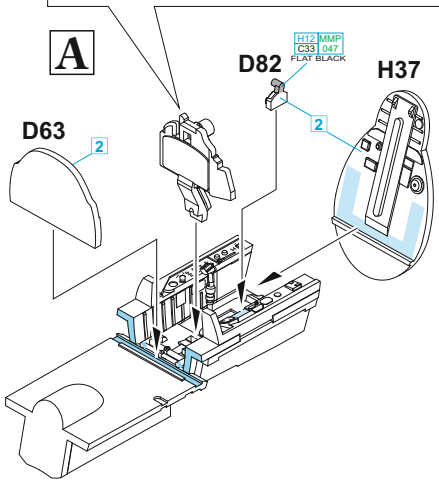


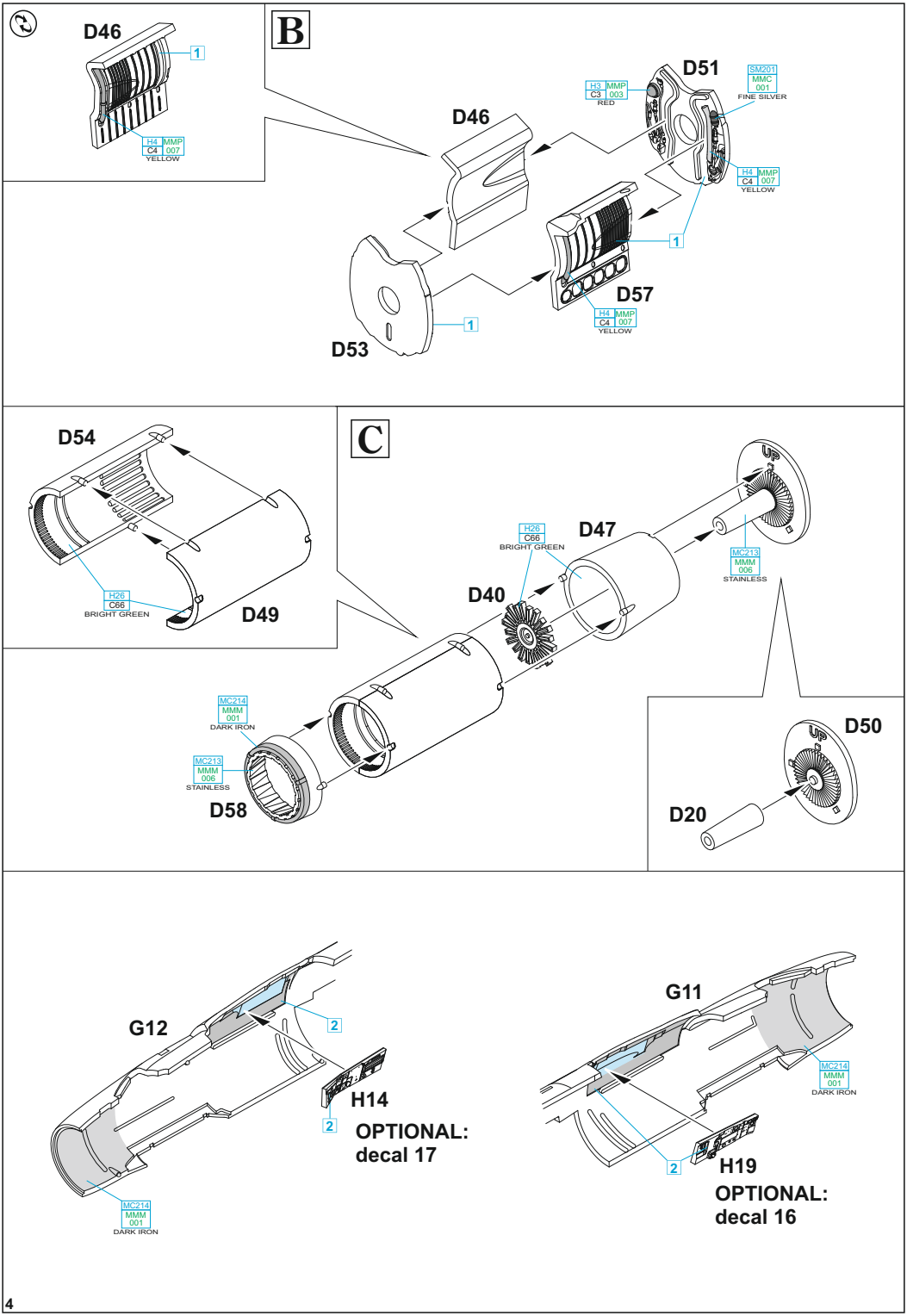
C391 INT. GREEN - MARKING A ONLY

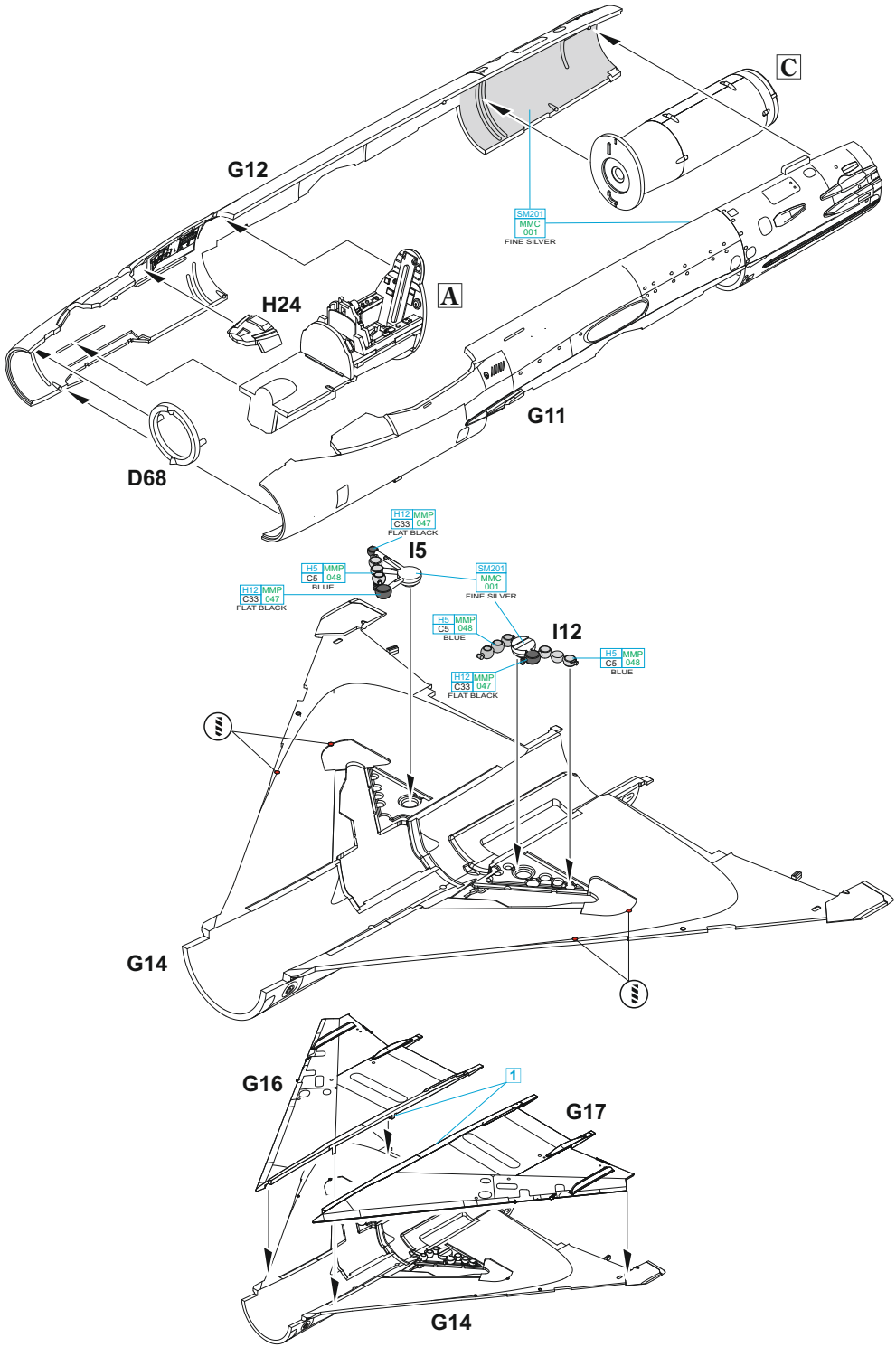


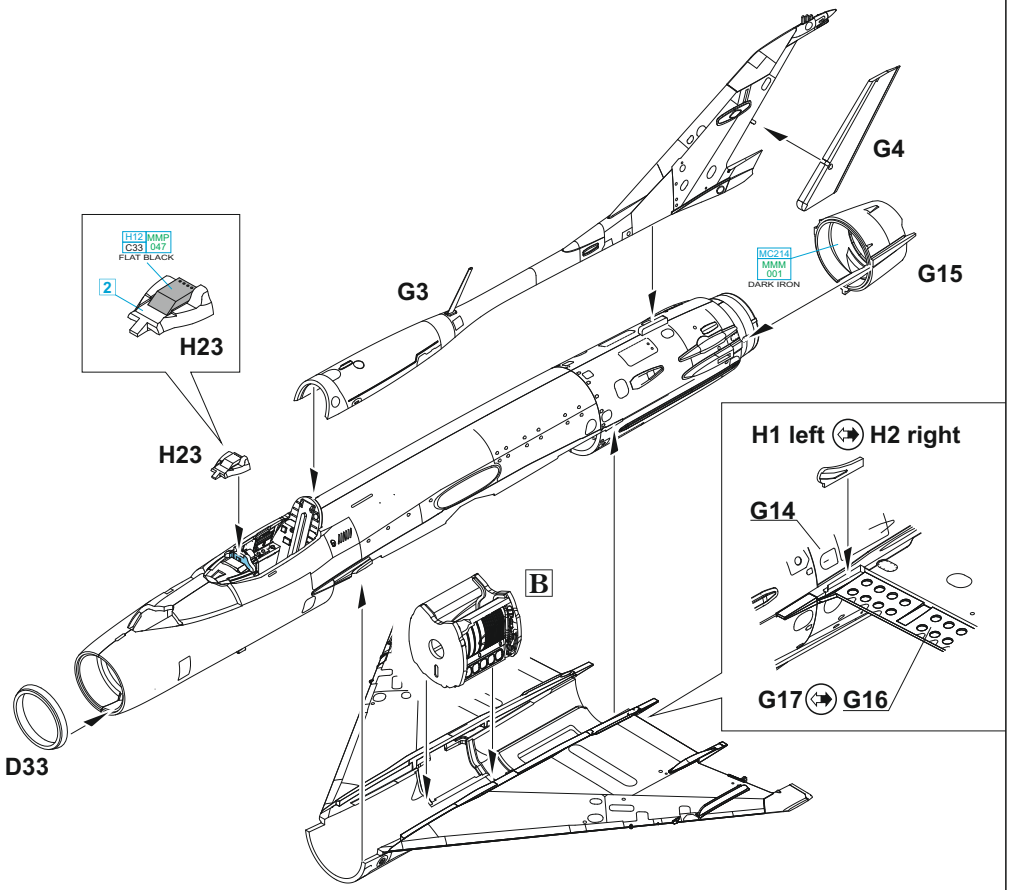


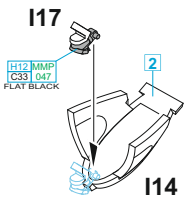


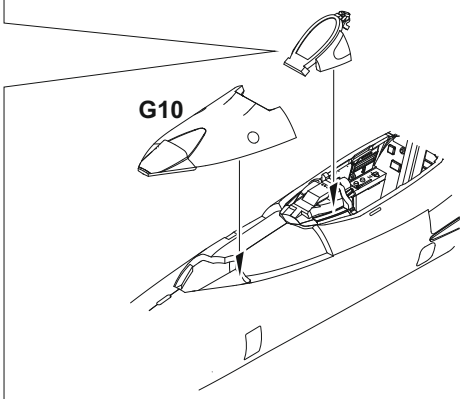


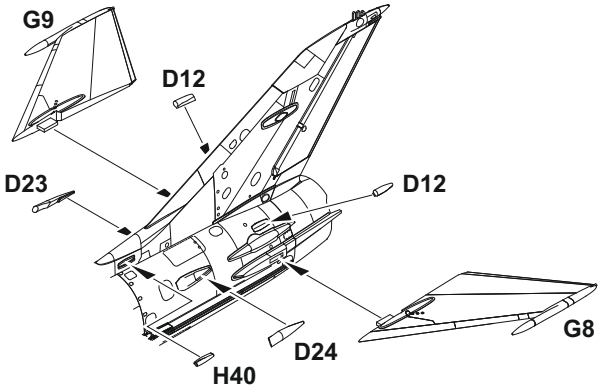

D46
1
H4 MMP C4 007 YELLOW
B
D46
D51
H3 MMP C3 003 RED
SM201 MMC 001 FINE SILVER
H4 MMP C4 007 YELLOW
1
D57
H4 MMP C4 007 YELLOW
1
D53
C
D54
H26 C66 BRIGHT GREEN
D49
H26 C66 BRIGHT GREEN
D47
D40
MC213 MMM 006 STAINLESS
MC214 MMM 001 DARK IRON
MC213 MMM 006 STAINLESS
D58
D50
D20
G12
2
H14
2
OPTIONAL: decal 17
MC214 MMM 001 DARK IRON
G11
MC214 MMM 001 DARK IRON
2
H19
OPTIONAL: decal 16

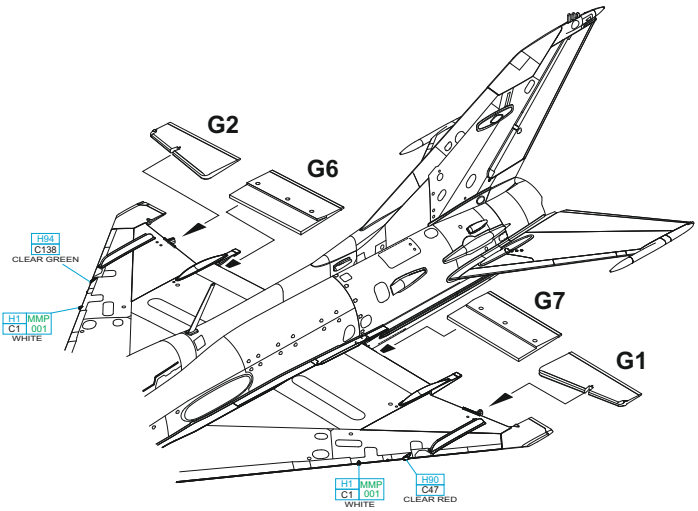

G12
C
SM201
MMC
001
FINE SILVER
H24
A
G11
D68
H12 MMP
C33 047
FLAT BLACK
I5
H5 MMP
C5 048
BLUE
SM201
MMC
001
FINE SILVER
H12 MMP
C33 047
FLAT BLACK
H5 MMP
C5 048
BLUE
I12
H5 MMP
C5 048
BLUE
H12 MMP
C33 047
FLAT BLACK
G14
G16
1
G17
G14

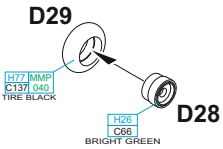

G4
G15
G3
H12 MMP
C33 047
FLAT BLACK
2
H23
MC214
MMM
001
DARK IRON
H23
H1 left H2 right
G14
B
G17 G16
D33

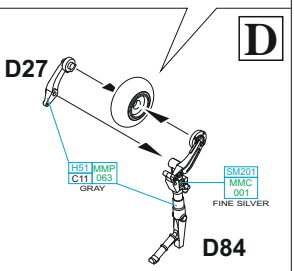

I17
H12 MMP
C33 047
FLAT BLACK
2
I14

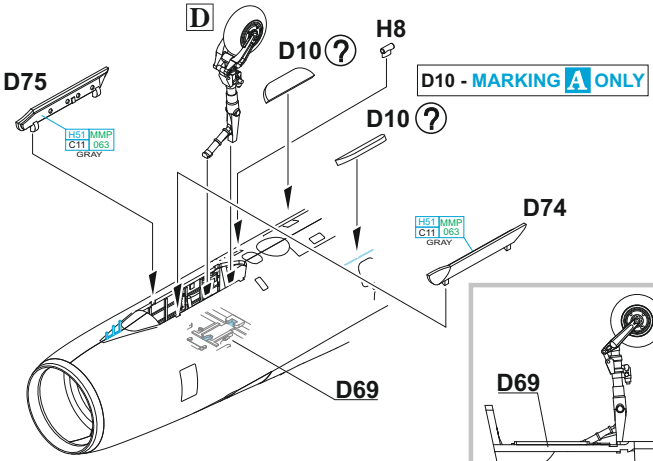

G10

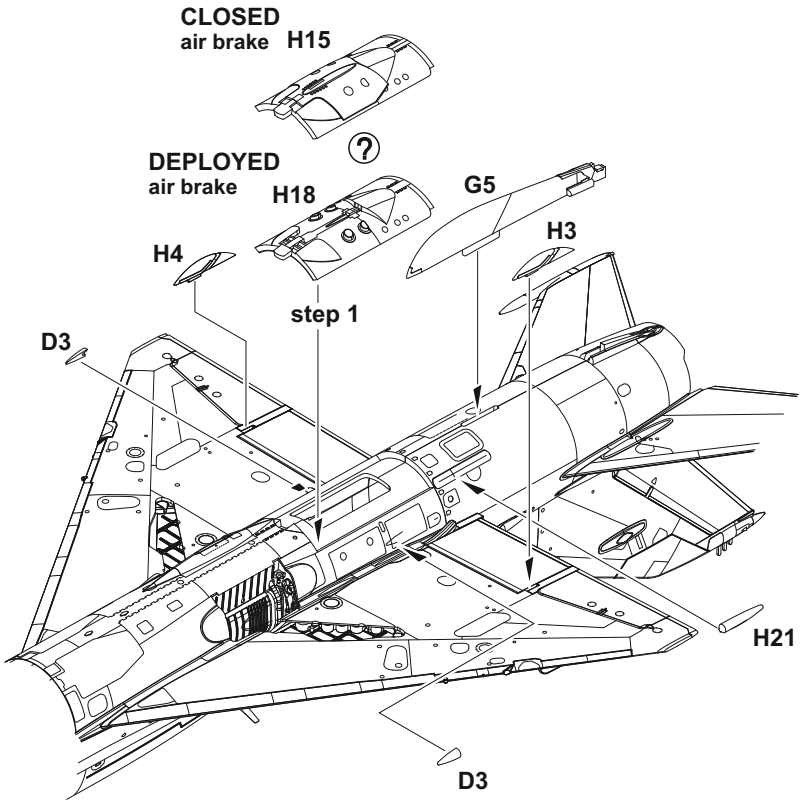

G9
D12
D23
D12
G8
D24
H40


G2
G6
H94
C138
CLEAR GREEN
H1 MMP
C1 001
WHITE
G7
G1
H1 MMP
C1 001
WHITE
H90
C47
CLEAR RED

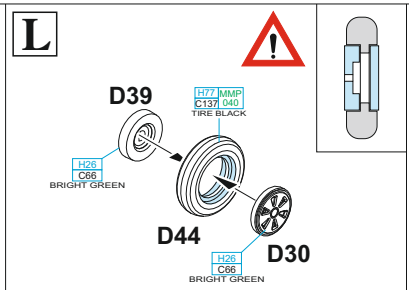

D29
H77 MMP
C137 040
TIRE BLACK
H26
C66
BRIGHT GREEN
D28

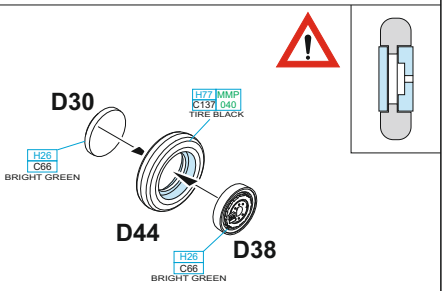

D
D27
H51 MMP
C11 063
GRAY
SM201
MMC
001
FINE SILVER
D84

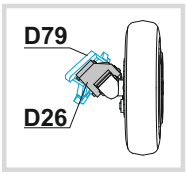

D
D10
H8
D10 - MARKING A ONLY
D75
H51 MMP
C11 063
GRAY
D10
D74
H51 MMP
C11 063
GRAY
D69
D69

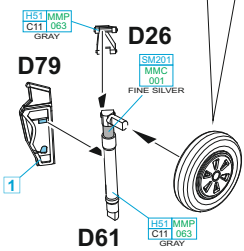

CLOSED
air brake
H15
DEPLOYED
air brake
H18
G5
H3
H4
step 1
D3
H21
D3

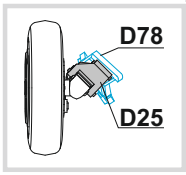

28°
D79
D78

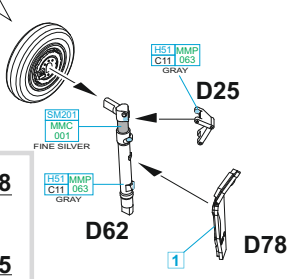

L
D39
H77 MMP C137 040 TIRE BLACK
H26 C66 BRIGHT GREEN
D44
D30
H26 C66 BRIGHT GREEN

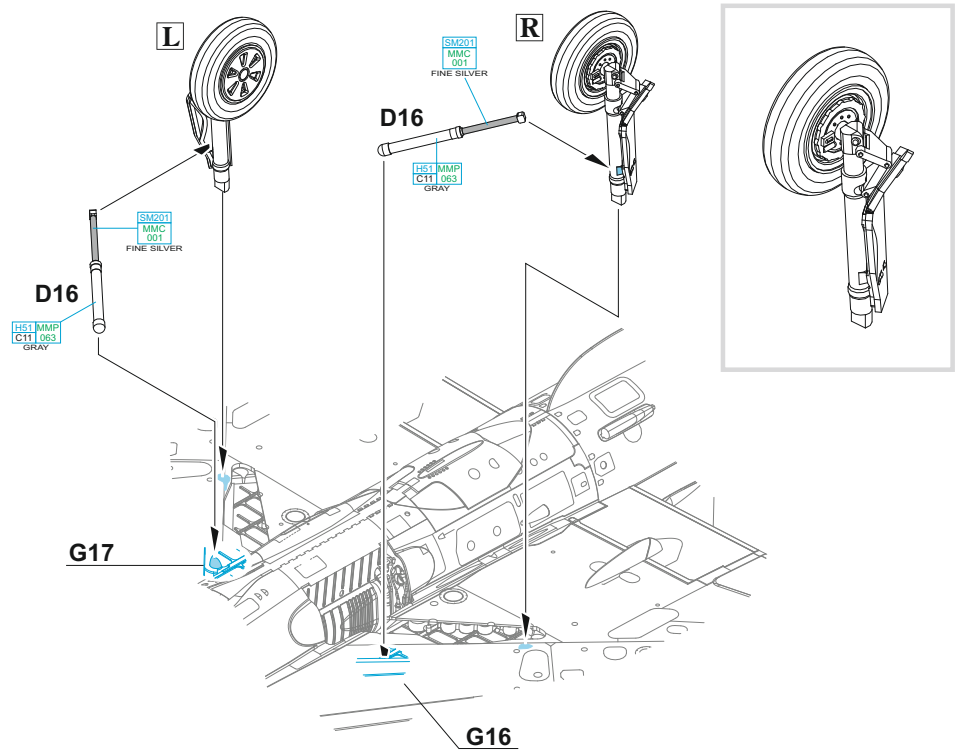

R
D30
H77 MMP C137 040 TIRE BLACK
H26 C66 BRIGHT GREEN
D44
D38
H26 C66 BRIGHT GREEN

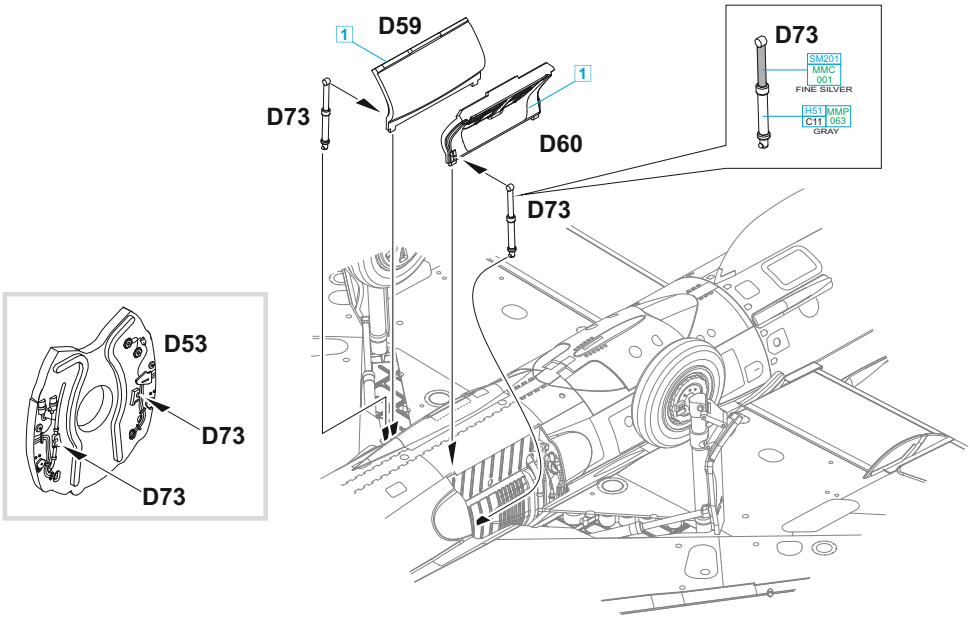

D79
D26

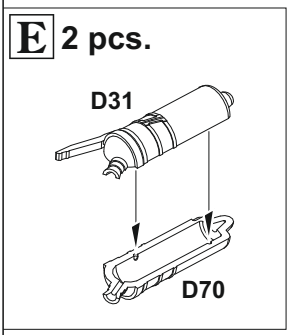

H51 MMP C11 063 GRAY
D26
D79
SM201 MMC 001 FINE SILVER
1
D61
H51 MMP C11 063 GRAY

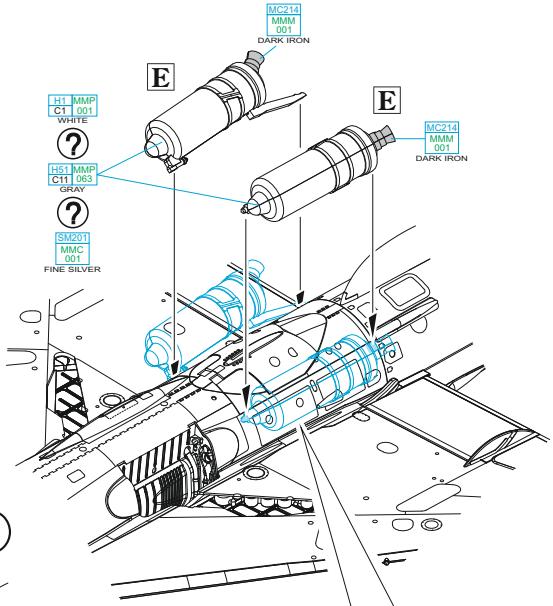

D78
D25

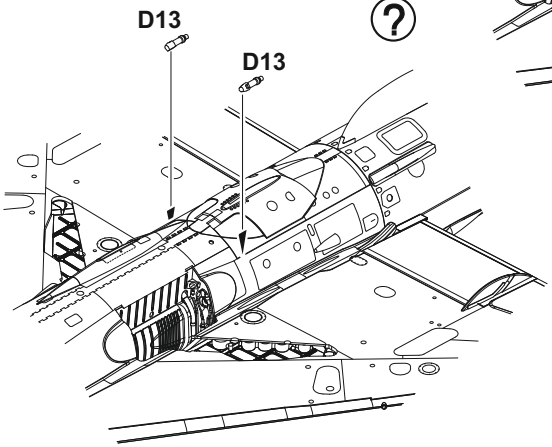

H51 MMP C11 063 GRAY
D25
SM201 MMC 001 FINE SILVER
H51 MMP C11 063 GRAY
D62
1
D78

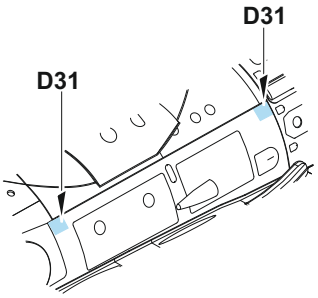

L
R
SM201
MMC
001
FINE SILVER
D16
H51 MMP
C11 063
GRAY
D16
SM201
MMC
001
FINE SILVER
H51 MMP
C11 063
GRAY
G17
G16

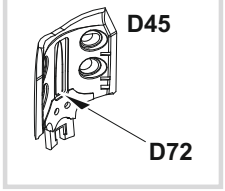

1
D59
1
D73
D60
D73
D73
SM201
MMC
001
FINE SILVER
H51 MMP
C11 063
GRAY
D53
D73
D73

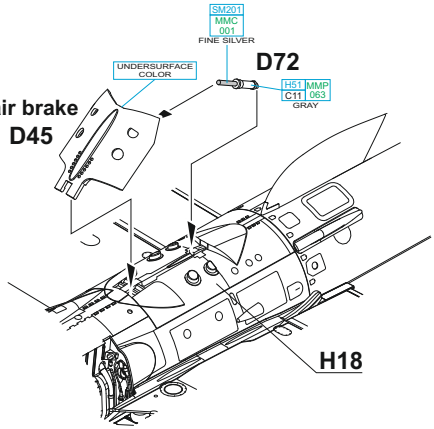

E 2 pcs.
D31
D70

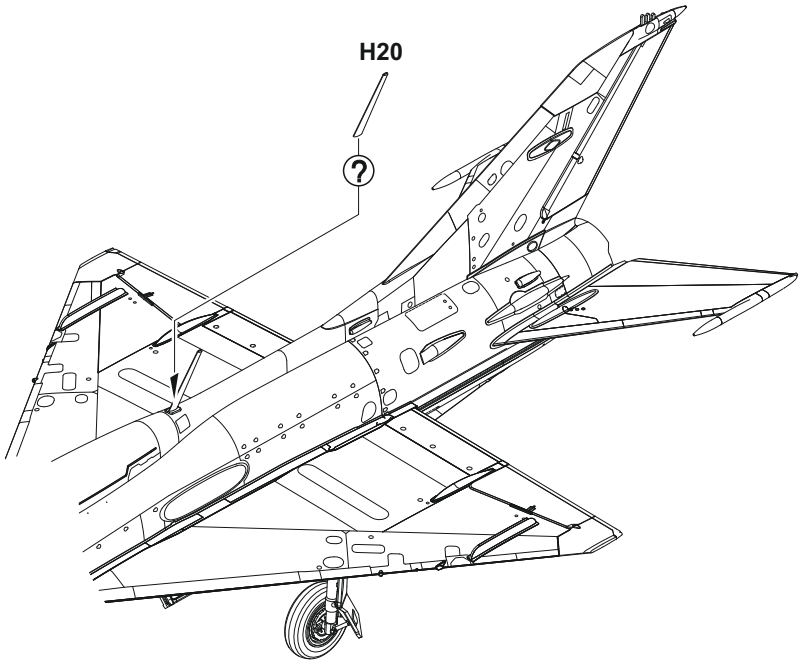

MC214
MMM
001
DARK IRON
E
E
H1
MMP
C1
001
WHITE
MC214
MMM
001
DARK IRON
H51
MMP
C11
063
GRAY
SM201
MMC
001
FINE SILVER


D13
D13

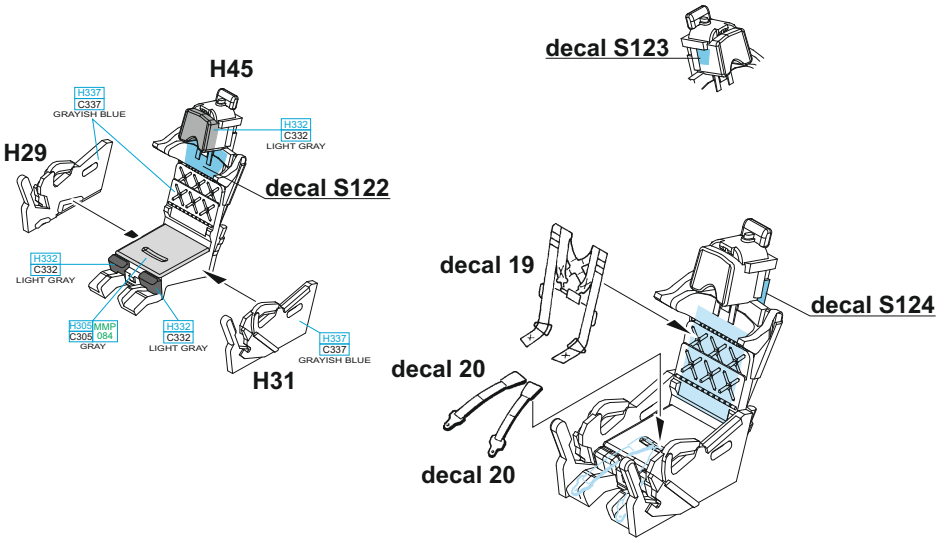

D31
D31

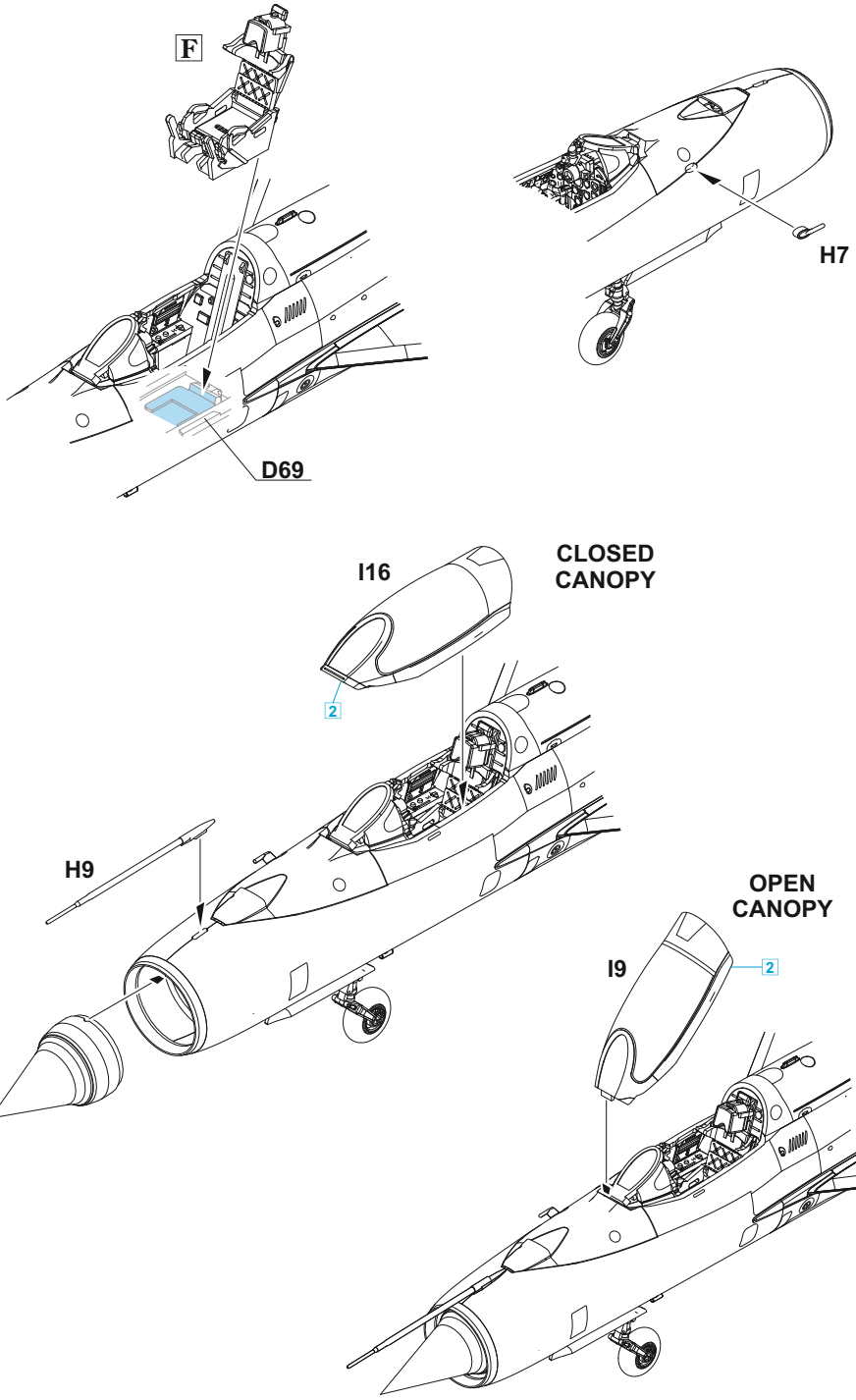

D45
D72


SM201
MMC
001
FINE SILVER
UNDERSURFACE
COLOR
D72
H51
MMP
C11
063
GRAY
DEPLOYED air brake
D45
H18

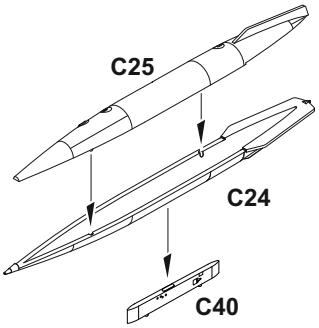

H20
?

F

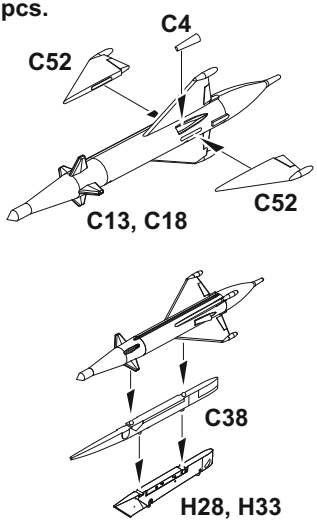

H45
H337
C337
GRAYISH BLUE
H332
C332
LIGHT GRAY
H29
decal S122
H332
C332
LIGHT GRAY
H305MMP
C305 084
GRAY
H332
C332
LIGHT GRAY
H337
C337
GRAYISH BLUE
H31
decal S123
decal 19
decal S124
decal 20
decal 20


F
D69
H7
I16
CLOSED
CANOPY
2
H9
D56
OPEN
CANOPY
I9
2

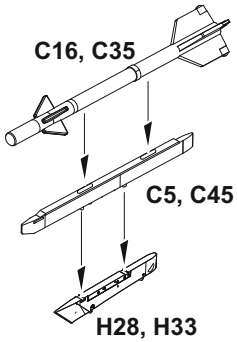
EXTERNAL FUEL TANK 490 l
PŘÍDAVNÁ NÁDRŽ 490 l



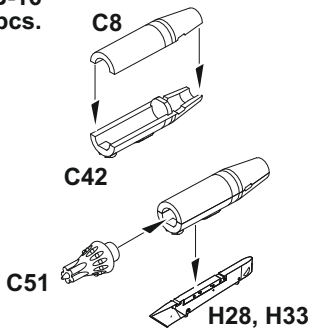
RS-2US
2 pcs.



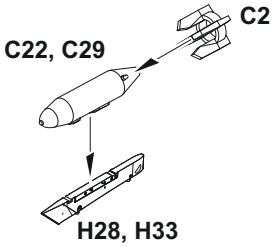
R-3S
2 pcs.



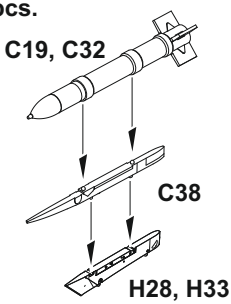
UB-16
2 pcs.

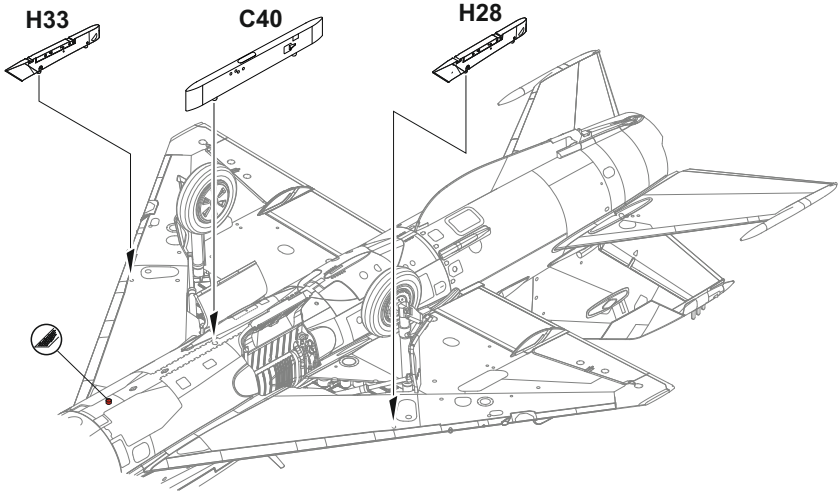


FAB 250
2 pcs.



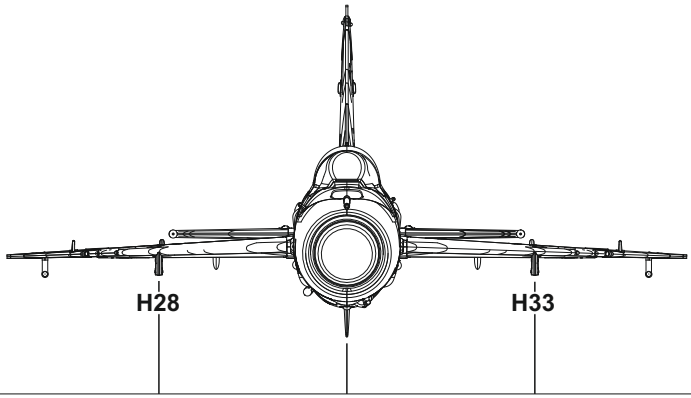
S-24
2 pcs.





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

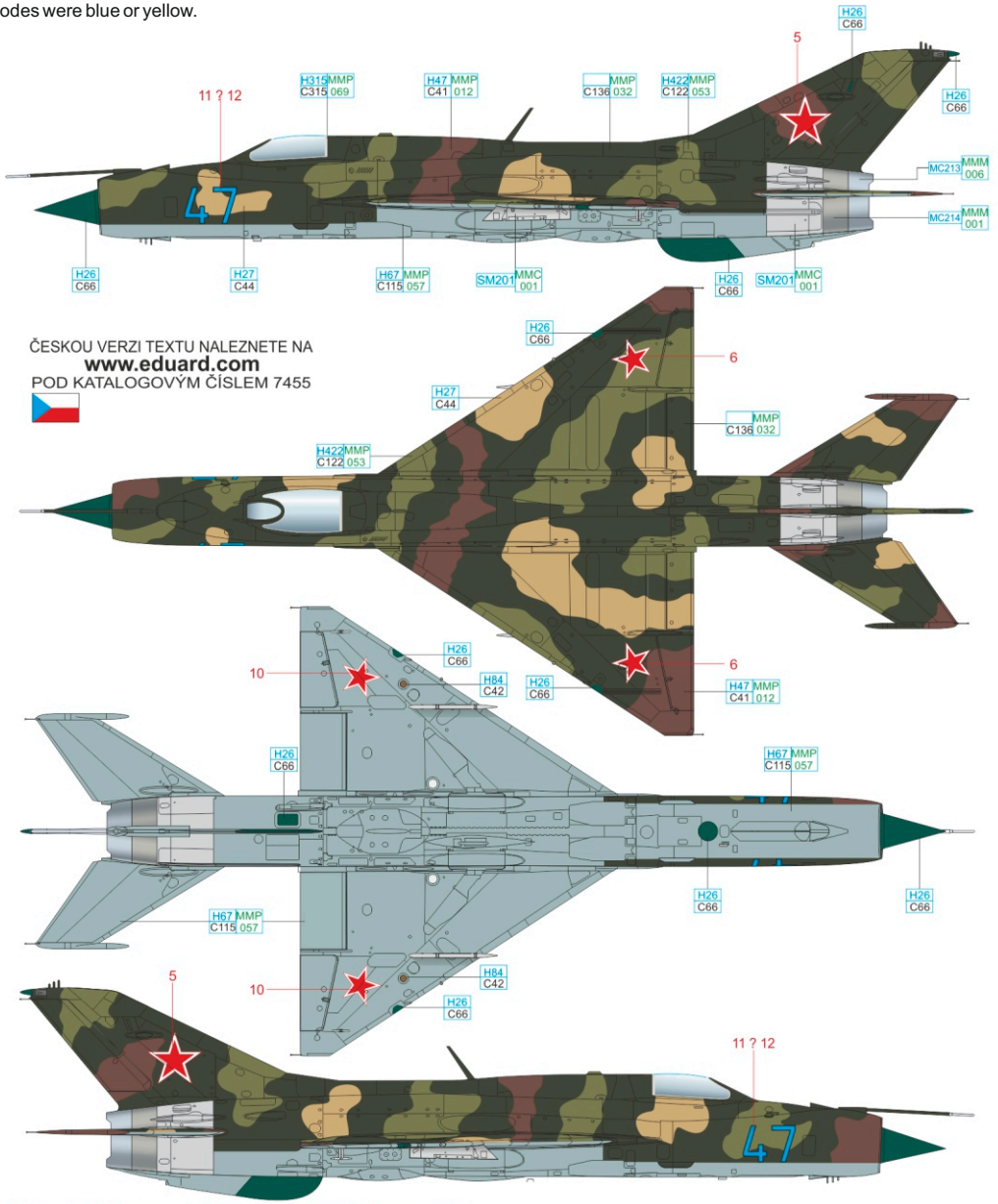
PRO VOLBU VÝZBROJE A PŘÍDAVNÝCH NÁDRŽÍ SE DRŽTE DOKUMENTACE KONKRÉTNÍHO STROJE.



EXTERNAL FUEL TANK 490 l	C40	
2x RS-2US	C38	C38
2x R-3S	C5	C45
2x S-24	C38	C38
2x FAB 250		
2x UB-16		

A Kacha Higher Military Aviation School of Pilots, Kotelnikovo air base, Soviet Union, 1979

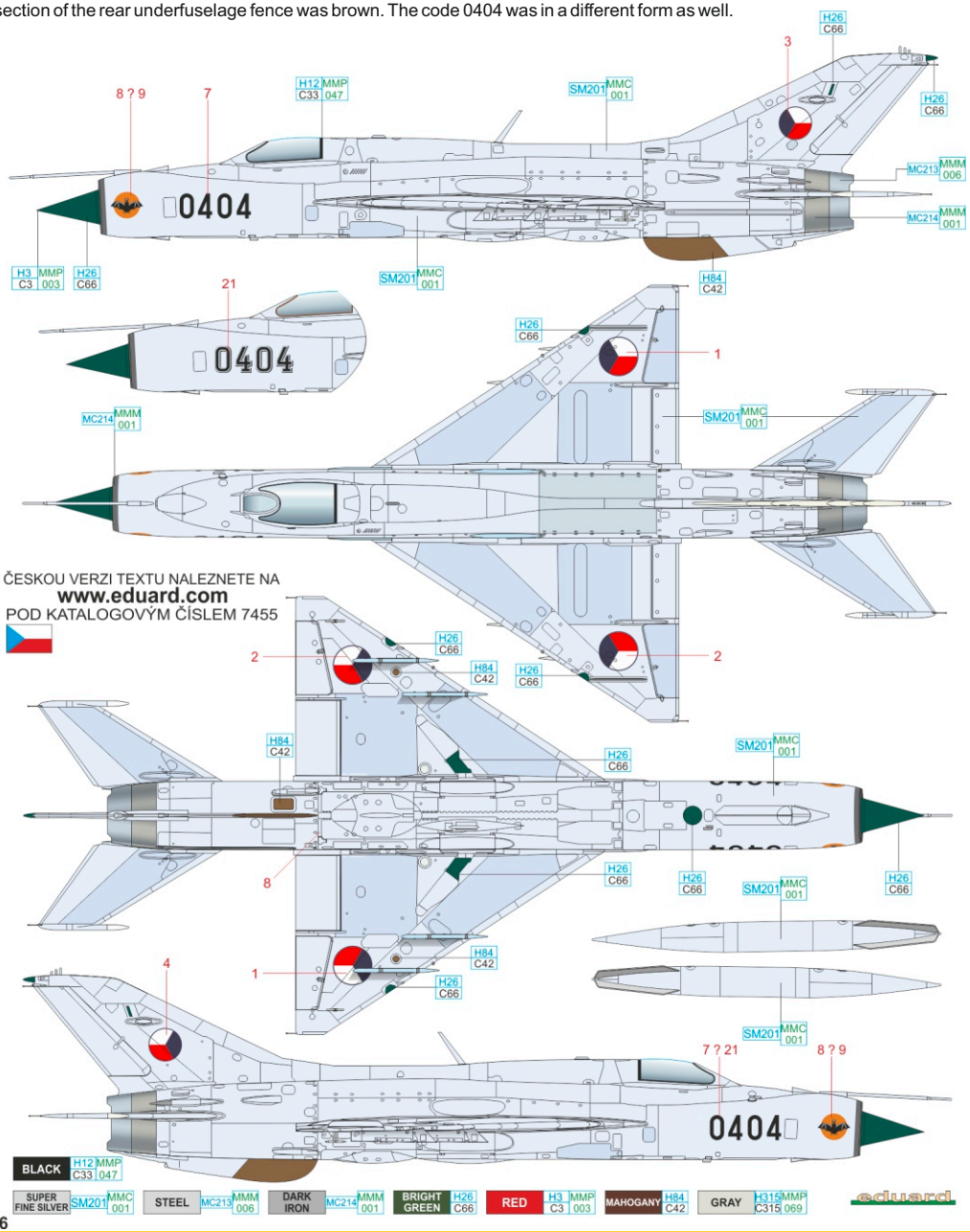
The history of this school goes back to 1910, when a Flight Officer Academy was established at Sevastopol. It continued to function after the socialist revolution, and in 1925 acquired the name of an Armenian Bolshevik revolutionary, Alexander Fyodorovich Myasnikov (also known by the Armenian Myasnikian), who died tragically in March 1925, in a crash of a Junkers F.13. During the course of the Second World War, the school was moved to the Saratov Region to avoid the approaching front, and in 1954, it moved to Stalingrad (known as Volgograd from 1961). It was disbanded in 1998. This MiG-21, used by the Kachinsky Pilot School, was camouflaged in 1979 in two shades of green and two shades of brown on the upper surfaces, while the lower surfaces were in a light blue. Going from black and white photographs, it can not be determined whether the fuselage codes were blue or yellow.



RED BROWN H47 MMP C41 012	LIGHT GREEN H422 MMP C122 053	GREEN MMP C136 032	TAN H27 C44	SUPER FINE SILVER SM201 MMC 001	STEEL MC213 MMM 006	DARK IRON MC214 MMM 001	BRIGHT GREEN H26 C66	MAHOGANY H84 C42	GRAY H315 MMP C315 069	BLUE H67 MMP C115 057	

B 2nd Squadron, 1st Fighter Air Regiment, Planá at České Budějovice, Czechoslovakia, 2nd half of 1968 – 1st half of 1969

In 1964, the 1st slp (Fighter Regiment) traded in its MiG-19PM and S models for the newer MiG-21PF. In the summer of 1968, the groundcrews placed the insignia consisting of a bat over an orange disc on the fronts of the aircraft. This aircraft was one of a group of MiG-21PFs with which Czechoslovak pilots took off for live fire exercises in the Soviet Union. In the summer of 1969, the 2nd Squadron unit insignia that was the bat was replaced by a devil, and the orange disc remained. This guise of the unit marking also remained on the aircraft for only a year, and unit insignias were ordered removed from all aircraft in August 1970. Besides allowing the building of this aircraft as it appeared in the 1968/69 period, we offer the possibility of modelling it from the 2nd Squadron of the 9th slp in Bechyne, to where it was transferred in September 1985, and where it remained until retirement in the spring of 1989. By this time, the aircraft had a turquoise interior, and the wells were sprayed green-grey, while the front section of the rear underfuselage fence was brown. The code 0404 was in a different form as well.

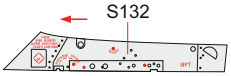


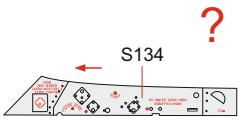
FUSELAGE PYLON
PODTRUPOVÝ PYLON

C40

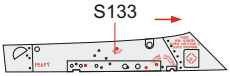
EXTERNAL FUEL TANK 800 l
PŘÍDAVNÁ NÁDRŽ TANK 800 l

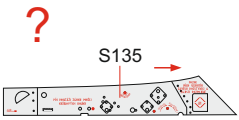
LEFT PYLON
LEVÝ PYLON





RIGHT PYLON
PRAVÝ PYLON





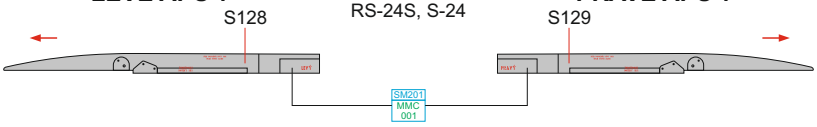
UB-16, FAB 250

LEFT APU-7
LEVÉ APU-7

C38

RS-24S, S-24

RIGHT APU-7
PRAVÉ APU-7

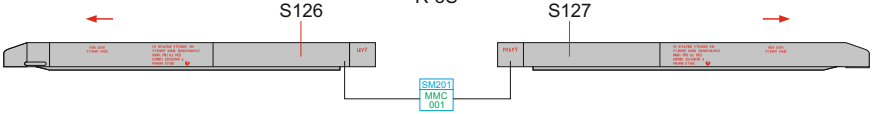


LEFT APU-13
LEVÉ APU-13

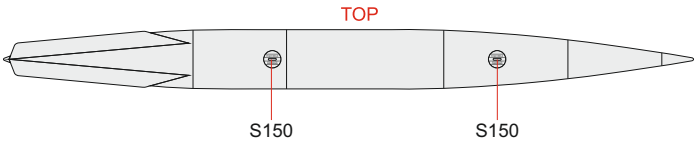
C5, C45

R-3S

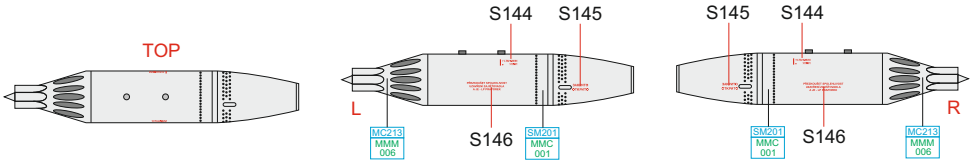
RIGHT APU-13
PRAVÉ APU-13



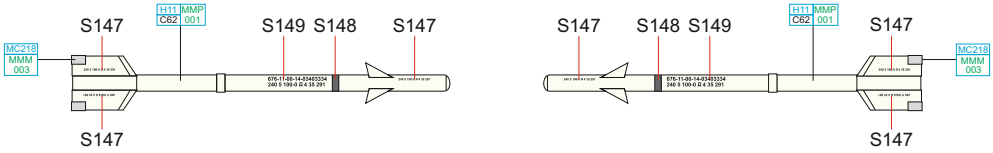
EXTERNAL FUEL TANK 800 l
PŘÍDAVNÁ NÁDRŽ TANK 800 l



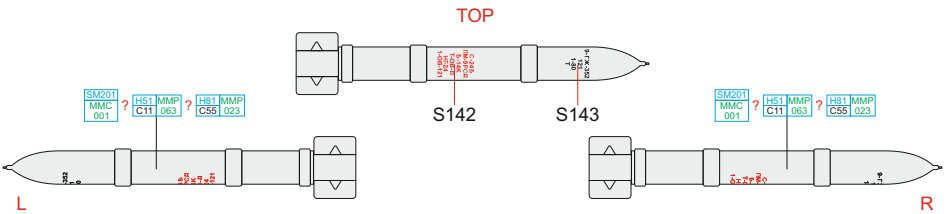
UB-16



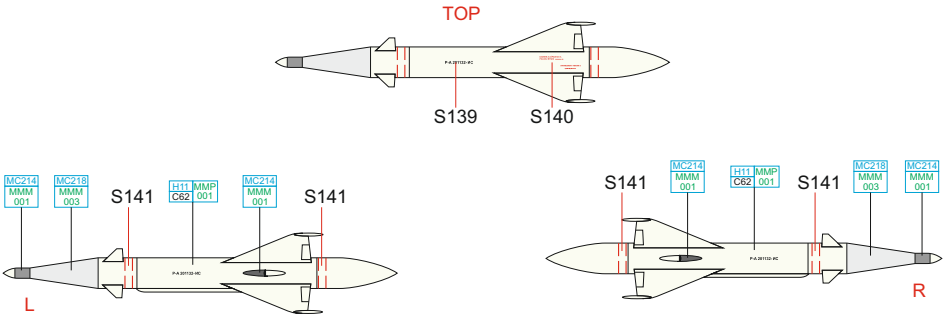
R-3S



S-24

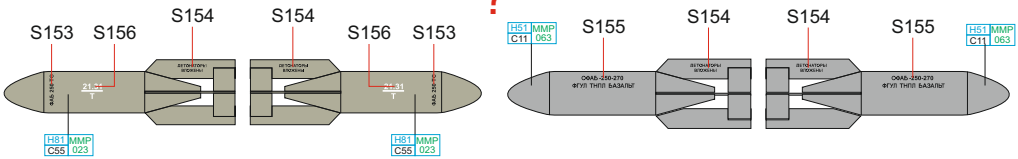


RS-2US



FAB 250

?



S1 - S161 - MARKING B

S1 - S161 - MARKING A

S1 - S161 - FOR UPPER SURFACES ON MARKING A