

Su-7BKL 'Fitter' A

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ART BY ADAM MARCINIAK

G-13

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Short history of the aeroplane. The appearance of one of the most successful fighter-bombers that came into existence in the sixties, the Suchoj's Su-7, featured the still more and more exacting demands that had been put on jet-propulsion aircrafts in the fifties, as well as the start of supersonic era. The Paul Suchoj's designing department resumed its work activities at the beginning of the fifties after several years of forced interruption. One of the first jobs in that time was designing the supersonic delta-wing fighter-bomber suitable both for bomb-attacks and reconnaissance. The first prototype - designated later as the SU-7 - was finished in Summer 1955 and test flown in 8th September that year by the test pilot A. Koczetkov. The strong jet propulsion engine, Type AL-7F, enabled the aircraft to exceed high the sonic speed as well as to reach the flight attitudes up to 19 km. The public tests were started in 1957. After completion of the latters was taken the decision on series production of that aircrafts and the mechine was then accepted within the frame of the Soviet Air Forces armament. The fighter-bomber was developed from the initial fighter version. The Type Su-7B fighter-bombers were demonstrated in public for the first time in 1961 on the occasion of fly -past at Tushino where a formation of 21 aircrafts of that type flew past. The Su-7 represented a new quality within the frame of Soviet's armament and later on of all Warsaw Pact and friendly countries - thanks to the fact of the aircraft reliability and many other features. Several other up-dated versions occurred during the sixties - the SU-7BM, BMK, BKL. The aircraft is able manoeuvring even under reduced visibility conditions and at night by virtue of its abundant radionavigation equipment. Four hangers arranged under the wings, respectively, and two ones under the fuselage enable to suspend various combinations of armament including either guided or unguided rocket missiles, blocks with unguided rockets, bombshells of various weights, additional tanks, special containers, etc. In order to shorten the take-off distance, two Type PRS 1 500 solid propellant booster rockets can be used each of them having the thrust of 29,4 kN those rockets being hung from the rear portion of fuselage. Two Seat version designated Su-7U was designed for training purposes.

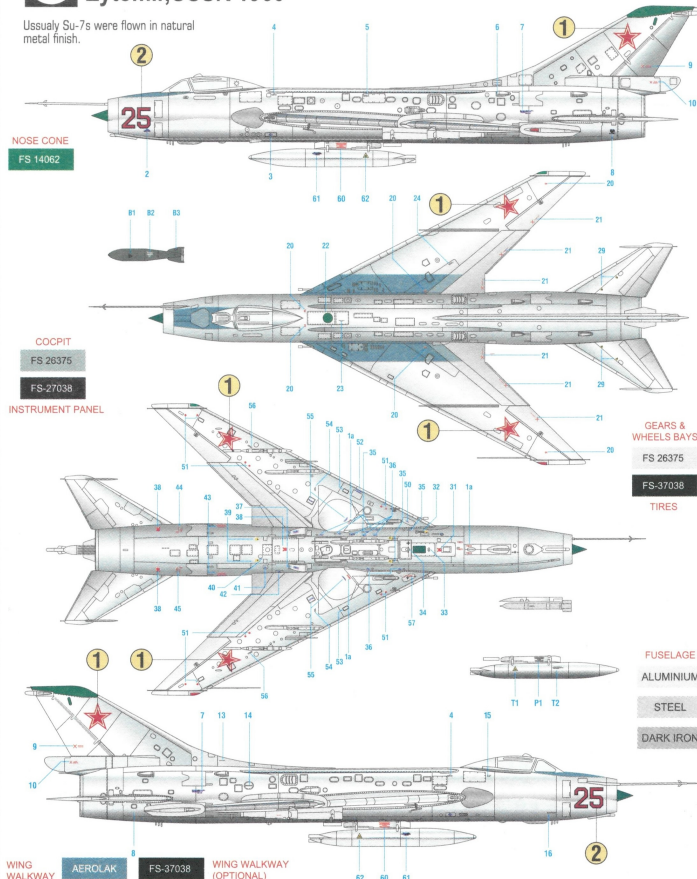
Basic tactic and technical data: • Dimensions: Span: 9,30m (30'6"), Length: 16,60m (55'2"), Height: 5m(16'3") • Weights: Empty weight: 8000kg (18000lb), Maximum Take - off weight: 14000kg (27000lb); • Performances: Maximum speed: at 13 125 ft: 2300 km/h(697mh) Ceiling: 18 000m(52000ft), Maximum range: 1450km(900 miles); • Armament: 2x cannon NR-23.

●GB. Marking and Painting Guide ●D. Markierung und Bemalanleitung ●PL.Oznaczenie i Malowanie ●F. Peinture et marquage Guide ●NL. Schilderen en markeren gids

●ESP. Pintura y Guía de Marcas ●POR. Pintura e Guia de Marcas ●I. Pittura e Guida Marcature ●S. Målning och märkning Guide ●FIN. Maalaus ja merkinnät opas

1 Su-7BKL Военновъздушни сили, BBC Zytomir, USSR 1960

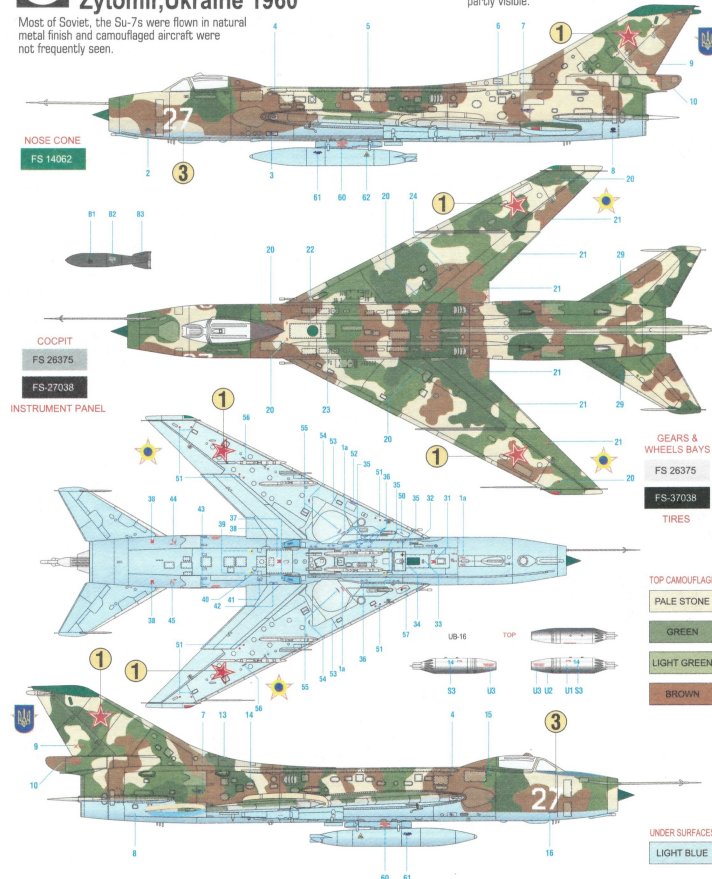
Usually Su-7s were flown in natural metal finish.



2 Su-7BKL Военновъздушни сили, BBC Zytomir, Ukraine 1960

After Ukraine indepedece, Ukrainian roundels were painted on soviet wethered roundels partly visible.

Most of Soviet, the Su-7s were flown in natural metal finish and camouflaged aircraft were not frequently seen.



- D.Montageanleitung
- PL.Instrukcja montażu
- F.Notice de montage
- Cz.Montážní návod
- Инструкция по монтажу.

1 STEP

88

87

2

STEP

H Dunkelgrün, matt
Dark green, matt
Vert foncé, mat
Donkergroen, mat
Verde oscuro, mate
Verde scuro, opaco
Mörkgrön, matt
Tummanvihreä, matta
Mörkgrön, matt
Mörkgrön, matt

Темно-зеленый, матовый
Сімейозелений, матовий
Прісвоно скоуро, мат
Койу яєлі, мат
Тімаозеліа, матріа
Ščernozelá, matt
Темно-зелен, брез лєска
verde închis, mat
Тімно зелєно, матово
Тімно-зелєний, матовий

9-5 Missile Installation
Заставляючі ракету 5-5
Einbau der Raketen 5-5
Instalatare de la racheta 5-5

2x

[illegible]

12 STEP

Right Main Landing Gear Assembly
Rechts-Prinzipal-Landegerüst (Rechts)
Bausatz der Hauptfahrwerk (Rechts)
Flapion de train principal (droite)
Instalación del engranaje principal (derecho)

The diagram illustrates the assembly of the right main landing gear. It features several key components labeled with letters and numbers:

- 57**: A circular component, likely a wheel or fairing, with sub-labels **C** and **H**.
- I**: A small rectangular component, possibly a pin or clip, shown near the wheel assembly.
- 66**: A long, angled structural member.
- 69**: A smaller angled member that connects to the main structure.
- 70**: A large, complex bracket or support structure.
- 73**: A component with two vertical pins, likely a shock absorber or strut.
- D**: Multiple instances of a small, curved component, possibly a spring or a guide, shown at various points of assembly.

16 STEP

Nose Landing Gear Assy
 Nosowa Podwozie Przodowe
 Zusammenbau des Bugfahrers
 Montaje de Train Avant
 Montajul de egruajno

44c
 light green, matt
 jasnozielony, matowy
 Vert clair, mat
 lichtgroen, mat
 Verde celeste, mate
 Verde celeste, mate
 Verde celeste, opaco
 lüsgrün, matt
 vaaleanvihreä, matta
 lysedegren, matt
 lysegrønn, matt
 светло-зеленый, матовый
 Праісно зялёты, мат
 gik yeşil, matt
 svethlezzilý, matná
 világoszöld, matt
 svetlozelená, brez leska
 verde pai, matt
 svetlozeleno, matov
 гeйтo, лeзeнeй, матовий

62
 60
 56

(H)
 (I)
 (I)
 (C)

3 STEP **2x**

86 84 85

4 STEP **2x**

98 99 7

7 STEP

Seat Assembly and Installation
Montaje e instalación de la silla

10g

25

ES-2
Green

9 STEP

Jet-Engine Assembly
 Monteur: Shinka (Strömungs-)
 Zusammenbau des Strahltriebwerks
 Montage le turbo-moteur
 Montage le moteur de réaction

4

6

E

F

FS-3000
Gum

13 STEP

Left Main Landing Gear Assembly
 Montage Links-Hauptfahrwerks
 Zusammenbau des Hauptfahrwerks (links)
 Assemblage du train principal (gauche)
 Montaje del engranaje principal (izquierda)

68

71

72

73

FS-26440
 Left Gull Brw

silver, metallic
 silver, metalique
 zilver, metallic
 plata, metalizado
 prata, metalico
 argento, metalico
 silver, metalico
 hopas, metalakito
 solvi, metalak
 solvi, metalick
 cerebriksniy, metallanuk
 srebro, metaliczny
 osnyj, metalukko
 gumis, metalik
 stibna, metaliza
 ezist, metall
 srebrna, metalik

D



I

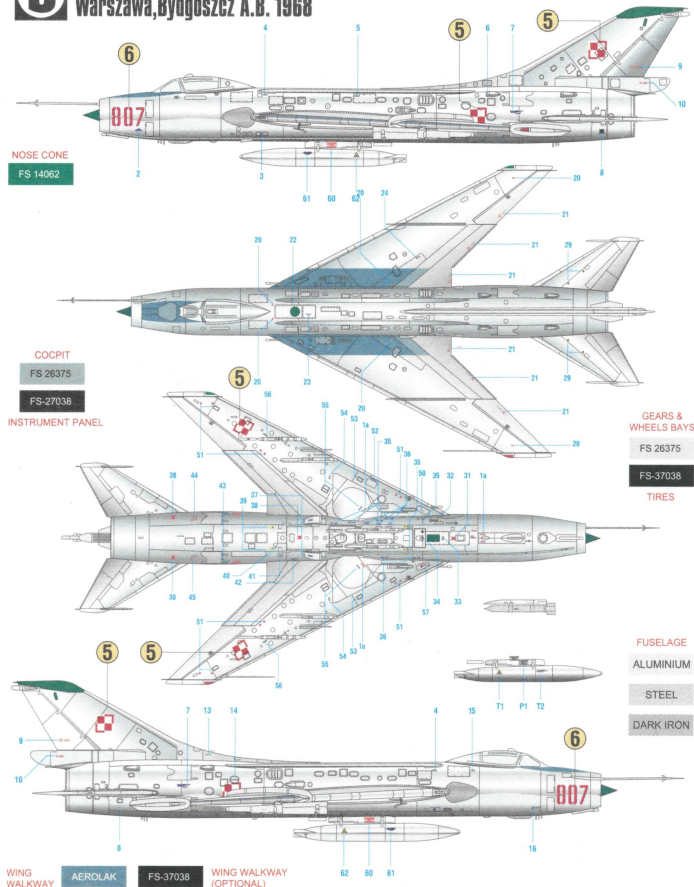
aluminium, metallik 99
aluminium, metallic
aluminium, métalque
aluminium, metallic
aluminio, metalizado
aluminio, metálico
aluminio, metallico
aluminium, metallic
alumiini, metallikilto
aluminium, metalak
aluminium, metallik
алюминиевый, металл
aluminium, metallczyń
олюминую, металл
aluminium, metall
hliníková, metaliza
aluminium, metall
aluminium, metall
aluminio, metallic
алюминий, метален
алюминий, металевий

I
 68
 72
 I

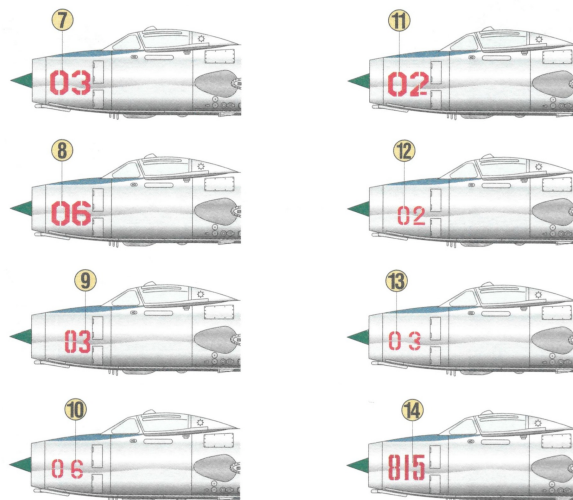
Marking & Painting

•DEN. Bemaling og markeringer Guide •NOR. Maleri og Markings Guide •RUS. Окраска и маркировка руководство •GR. Ζωγραφική και Σημειώσεις Οδηγός •CZ. Malování a značení

3 Su-7BKL 5 Pułk Lotnictwa Myśliwsko-Bombowego (Ludowe Lotnictwo Polskie), Warszawa, Bydgoszcz A.B. 1968



4 Su-7BKL 5 Pułk Lotnictwa Myśliwsko-Bombowego (Ludowe Lotnictwo Polskie), Bydgoszcz A.B. 1968 (8 dodatkowych malowań)



Su-7 BKL No.6427 was delivered to the Polish People's Aviation in late 1960's. It was flown by the pilots of 28th sbolp (Fighter-Momber Air Regiment) from Bydgoszcz Air Base.



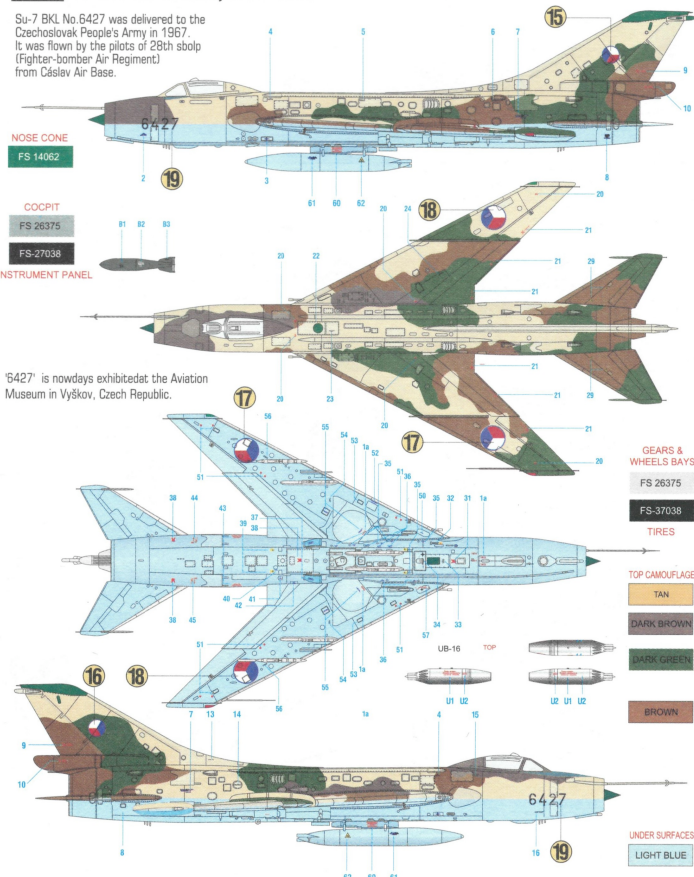
WKRÓTCE W OFERCIE MODELE Z ROZSZERZONYMI POLSKIMI MALOWANIAM
1. LIMI-5.6BIS RÓŻNE KAMUFLAŻE ORAZ W KOLORZE DURALUMINIUM
2. LIMI-5P ORAZ LIMI-6 RÓŻNE KAMUFLAŻE ORAZ W KOLORZE DURALUMINIUM
3. SU-22 DBEMLUJĄCYM 3 PODSTAWOWE MALOWANIA ORAZ NAJNOWSZYM SZARYM MALOWANIU. DODATKOWO MALOWANIA SPECJALNE



•TUR. Kılavuz Boyama ve Markalama •H. Festék rendszer és jelölések
•SK. Malovanie a značení Guide •Rum. Marcarea și pictura Ghid

•BUL. Живопис и маркировка Ръководство •UA. Маркування та живопис керівництво

5 Su-7BKL, Czechoslovak People's Army, 20th Fighter-bomber Air Regiment, Náměst nad Oslavou, 1984-1989



6 Su-7BKL, Czechoslovak People's Army, 20th Fighter-bomber Air Regiment, Náměst nad Oslavou, 1967-1989

