

Su-7BKL 'Fitter' A

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ART BY ADAM MARCINIAK

G-13

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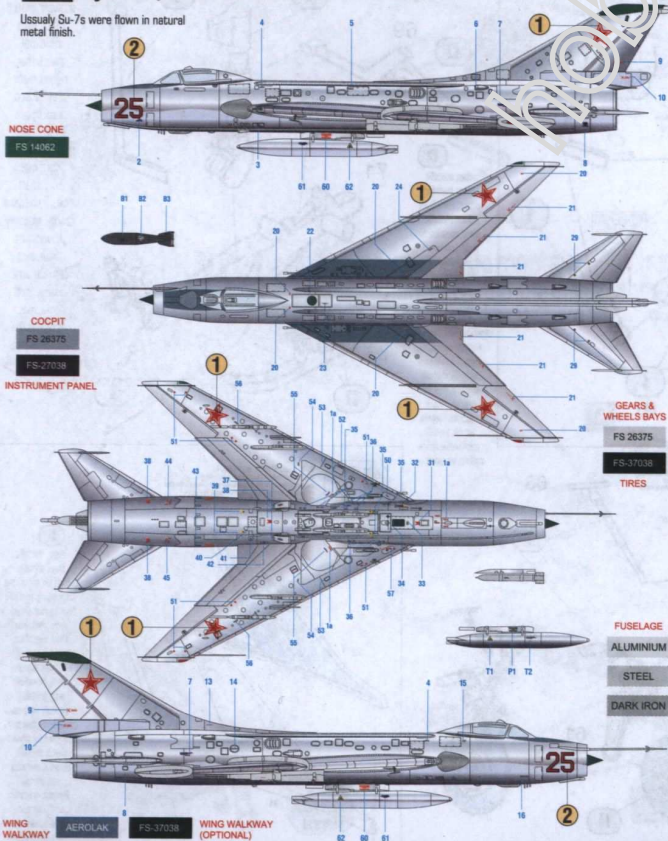
Short history of the aeroplane. The appearance of one of the most successful fighter-bombers that came into existence in the sixties, the Suchoj's Su-7, featured the still more and more exacting demands that had been put on jet-propulsion aircrafts in the fifties, as well as the start of supersonic era. 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 laterly as the SU-7 - was finished in Summer 1955 and test flown in that 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 altitude up to 19 km. The public tests were started in 1957. After completion of the letters was taken the decision on series production of that aircrafts and the machine 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 across 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: 20000m (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 markeringen gids •ESP. Pintura y Guia de Marcas •POR. Pintura e Guia de Marcas •I. Pittura e Guida Marcature •SWE. Målning och märkning Guide •FIN. Maalaus ja merkinnät opas

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

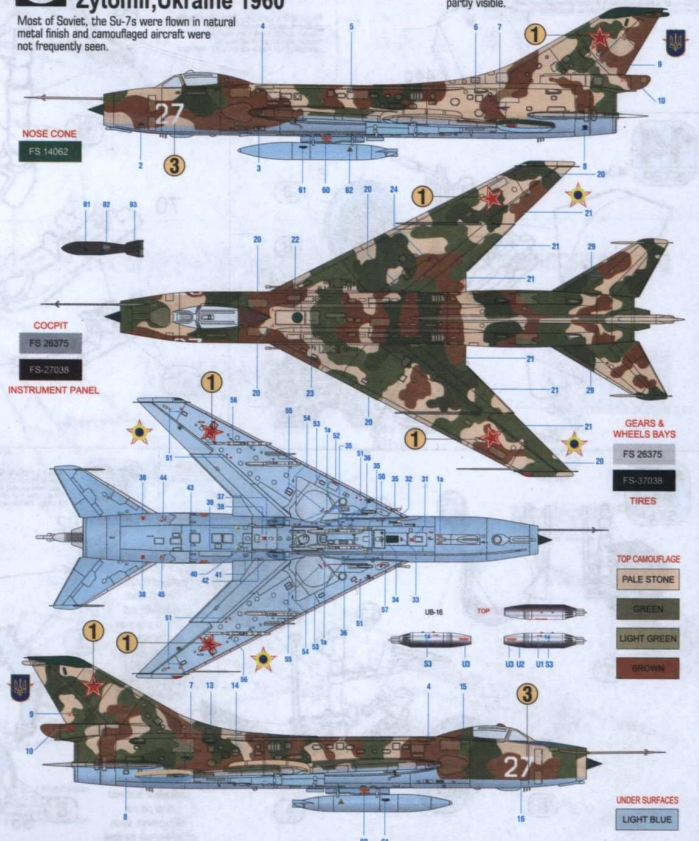
Usually Su-7s were flown in natural metal finish.



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

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

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



GB.Assembly instruction

- D.Montageanleitung
- PL.Instrukcja montazu
- F.Notice de montages
- Cz.Montażni návod
- Инструкция по монтажу

1 STEP

88 87

10 STEP

43 43a 43b 43c

Rt. Main Gear Outer Door Installation
Instalacja Uszy Wewnętrzne prawego podwozia
Bausatz der Hauptfahrwerk-Äußerer (Rechts)
Fijación de la Parte exterior de trazo principal (derecha)
Puerta del engranaje principal exterior derecho

11 STEP

44a 44b 44c 44

Left Main Gear Outer Door Installation
Instalacja Uszy Wewnętrzne lewego podwozia
Bausatz der Hauptfahrwerk-Äußerer (Links)
Fijación de la Parte exterior de trazo principal (izquierda)
Puerta del engranaje principal exterior izquierdo

14 STEP

43c 57 G H I 43b

15 STEP

44c 57 G H I 44b

2 STEP

90 89 91

S-5 Missile Installation
Zamontowanie rakiety S-5
Einbau der Raketen S-5
Einhub de la misale S-5

H Dunkelgrün, matt
Dark green, matt
Vert foncé, mat
Donkergroen, mat
Verde oscuro, mate
Verde escuro, mate
Tumma vihreä, matta
Mörkgrön, matt
Tumma-zeleń, matowy
Právo okolo, mat
Коричневый, матовый
Tmavozelená, matná
Stížkzöld, matt
Temnozielena, brez leska
verde închis, mat
Тъмно зелено, матово
Тёмно-зелёный, матовый

6 STEP

17 19 20 21 L N C

Ejection Seat Assembly
Montage des Sièges
Zusammenbau der Katastrophensitze
Montage des Sitze
Montaje del Asiento

Seat Painting
Malanje Farby Sedla
Anmalung des Sitzes
Pintura do Assento

FS-15450 Light Blue Grey
FS-20061 Brown
FS-15450 Light Blue Grey

8 STEP

12 13 15 16 22 23 9 10 11 E F G K

Cockpit Floor Assembly and Installation
Montage et Installation du Sol
Zusammenbau und Einbau des Cockpit-Deckens
Montaje de la Suela

12 STEP

66 68 70 72 73 D I

Right Main Landing Gear Assembly
Montage Pousada principal derecha
Bausatz der Hauptfahrwerk-Rechts
Fijación de trazo principal (derecha)
Instalación del engranaje principal (derecha)

FS-26440 Light Blue Grey

16 STEP

60 61 62 63 56 C H I

Nose Landing Gear Assembly
Montage Pousada Principal
Zusammenbau des Bugfahrwerks
Montaje de trazo Avant
Montaje del engranaje

H light green, matt
lichtgrün, matt
doposzlony, matowy
Vert clair, mat
lichtgroen, mat
Verde celeste, mate
Verde celeste, mate
Verde celeste, opaco
lysojgrön, matt
vaaleamvihreä, matta
lysgrön, matt
svetlozelená, mat
svetlozelená, mat
Právo okolo, mat
Коричневый, матовый
Tmavozelená, matná
svetlozelená, brez leska
verde pal, mat
светло-зеленый, матовый
світло-зелений, матовый

3 STEP

86 85

2x

4 STEP

98 96

2x

7 STEP

24 25 26 27 D B K

Intake Assembly and Installation
Montage et Installation du Ventilateur
Zusammenbau des Saugventilators
Montaje de Instalación de Ventilador

FS-36270 Medium Grey
FS-2 Green

9 STEP

4 5 6 7 8 E F

Jet Engine Assembly
Montage du Moteur à Turbine
Zusammenbau des Strahltriebwerks
Montaje del Motor de Reacción

Exhaust Nozzle Installation
Instalación del Escape
Bausatz der Düse Abgas
Fijación de la No de Escape
Instalación de la boquilla de escape

13 STEP

69 71 72 73 D I C

Left Main Landing Gear Assembly
Montage Pousada principal izquierda
Zusammenbau des Hauptfahrwerks (Links)
Assemblage de trazo principal (izquierda)
Montaje del engranaje principal (izquierda)

C schwarz, matt
black, matt
noir, mat
zwart, mat
negro, mate
preto, fosco
nero, opaco
svart, matt
musta, himmeä
sort, matt
черный, матовый
szary, matowy
mauro, mat
siyah, mat
černá, matná
fekete, matt
črna, mat
negru, mate
черен, матово
чорний, матовый

D silber, metallic
silver, metallic
argent, métallique
zilver, metallic
plata, metalizado
prata, metálico
argento, metalico
silver, metallic
hopea, metallikoito
solv, metallisk
solv, metallic
серебристый, металлик
srebro, metaliczny
oupri, metalico
gümüş, metalik
stříbrná, metaliza
eozist, metal
srebno, metallic
argint, metallic
сребро, метален
срібло, металевий

17 STEP

31 32 49 F

Tail Fin Parts Assembly
Montage des Parties Arrière
Zusammenbau des hinteren Seitenleitwerks
Montaje de las Partes Verticales

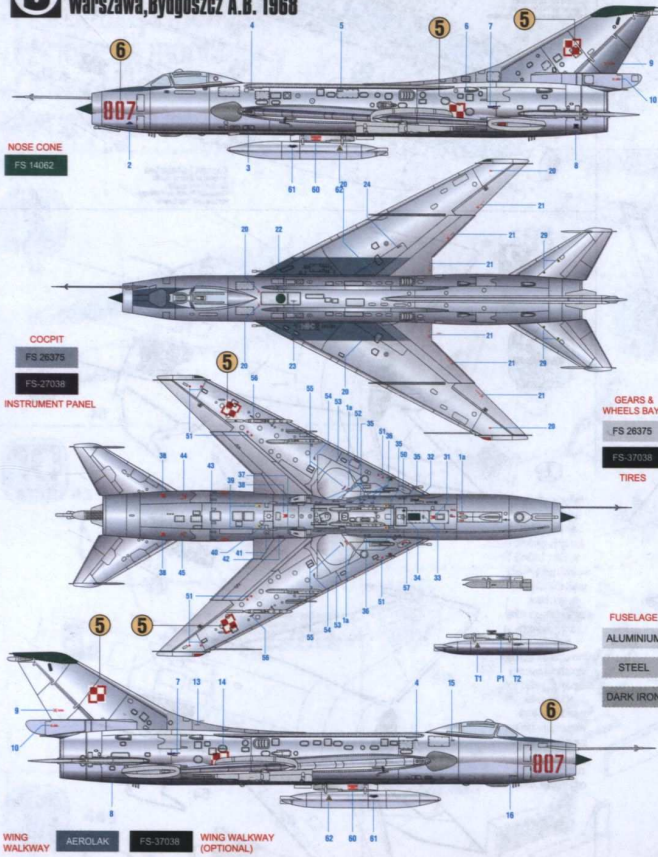
F Eisen, metallic
steel
coloris fer, métallique
ijzerkleur, metallic
ferroso, metalizado
ferro, metalico
feno, metalico
järnfarv, metallic
teszkavasárny, metallic
jern, metallic
jern, metallic
stalny, metaliczny
zelazo, metaliczny
okolo, metalico
demir, metallic
železná, metaliza
vas, metal
železná, metallic
otet, metallic
stomana, metalen
stal, metalen

I aluminium, metallic
aluminium, metallic
aluminium, métallique
aluminium, metallic
aluminio, metalizado
aluminio, metalico
aluminio, metalico
aluminium, metallic
aluminium, metallikoito
aluminium, metallisk
aluminium, metallic
aluminium, metal
алюминий, метален
aluminium, metalen
aluminium, metalen

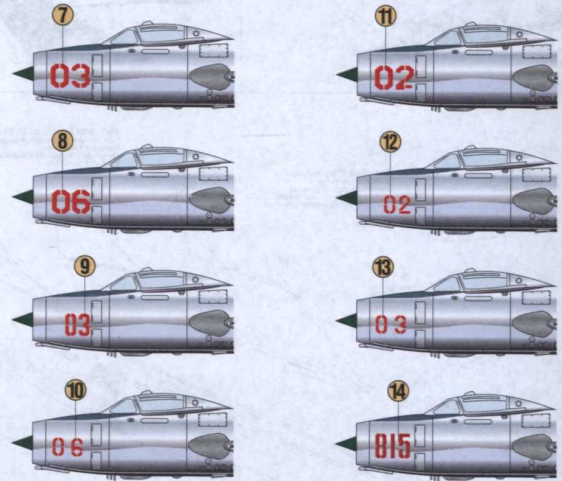
Marking & Painting

●DEN. Bemaling og markeringer Guide ●NOR. Maleri og Markings Guide ●RUS. Окраска и маркировка руководство ●GR. Ζωγραφική και Σημάνσεις 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-Bomber Air Regiment) from Bydgoszcz Air Base.

WKRÓTCE W OFERCIE MODELE Z ROZSZERZONYMI POLSKIMI MALOWANIAMI
1. LIMY-5, 6BIS RÓŻNE KAMUFLAZE ORAZ W KOLORZE DURALUMINIUM
2. LIMY-5P ORAZ LIM-6 RÓŻNE KAMUFLAZE ORAZ W KOLORZE DURALUMINIUM
3. SU-22 OBEMLIĄCZY 3 PODSTAWOWE MALOWANIA ORAZ NAJNOWSZYM SZARYM MALOWANIU DODATKOWO MALOWANIA SPECJALNE



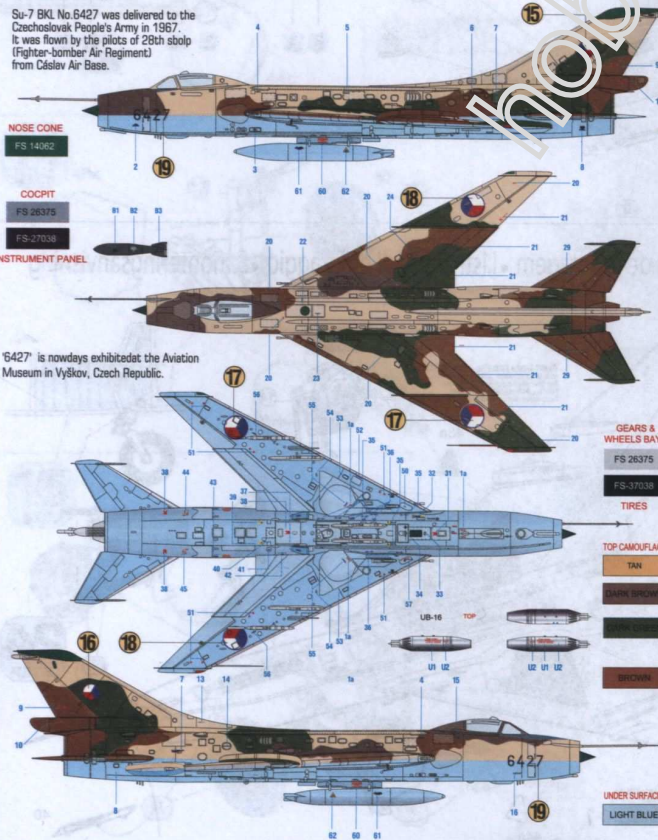
●TUR. Kılavuz Boyama ve Markalama ●H. Festék rendszer és jelölések ●SK. Malovanie a značenie Guide ●Rum. Marcarea si pictura Ghid

●CZ. Živopis a markirovka Rъководство ●UA. Маркування та живопис керівництво

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

Su-7 BKL No.6427 was delivered to the Czechoslovak People's Army in 1967. It was flown by the pilots of 28th sbolp (Fighter-bomber Air Regiment) from Čáslav Air Base.

'6427' is nowadays exhibited at the Aviation Museum in Vyškov, Czech Republic.



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

Su-7 BKLs were delivered in natural metal finish from the Soviet Union, and the camouflage colours were applied during their service with the Czechoslovak army forces.

