

NÁVOD / INSTRUCTION Kit No. 72550 Focke Wulf Fw 189 A-2

1/72

CZ - Historie

V roce 1937 vypsallo RLM (Reichsluftfahrtministerium) specifikace na nový průzkumný letoun Luftwaffe. Výběrového řízení se zúčastnily firmy Blohm Voss s asymetrickým letounem BV 141, Arado s jednomotorovým Ar 198 a Focke Wulf s projektem Fw 189. Vítězem se stal Focke Wulf, Arado zůstalo v prototypu a Blohm Voss postavil pouze malou sérii BV 141.

Stejně jako BV 141 vynikal Fw 189 neobvyklým technickým řešením. Hlavní konstruktér Kurt Tank navrhl letoun s centrální trupovou gondolou a s dvěma nosníky ocasních ploch z motorových gondol. To zajistilo tříčlenné osádce vynikající výhled. První prototyp vzletl v červenci 1938 a předseriové stroje Fw 189 A-0 byly dodány v září 1940. Výroba pokračovala první sériovou verzí Fw 189A-1. Byla vyráběna v továrně Focke Wulf v Brémách, kde byla ale výroba brzy zastavena kvůli produkci Fw 190. Od března 1941 dodávala Fw 189 pražská továrna Aero (výroba zastavena v roce 1943). Další Fw 189 se vyráběly až do roku 1944 ve francouzských podnicích v Bordeaux-Mérignac. V druhé polovině roku 1941 nahradily na výrobních linkách verzi A-1 verze A-2 se zesílenou obrannou výzbrojí. V malé sérii byla postavena také cvičná a kurýrní verze B, lišící se tvarem trupové gondoly a dalšími detaily. V prototypech byla testovaná bitevní verze, označovaná Fw 189C; první prototyp Fw 189V1 havaroval a ani upravený prototyp Fw 189V-6 nepřesvědčil.

Naprostá většina letounů Fw 189 sloužila na východní frontě. Focke-Wulfy Fw 189A prokázaly, že mají odpovídající výkony, schopnost používat nezaplněná letiště, vynikající obratnost a odolnost. Několik letounů Fw-189A-1 bylo dokonce vybaveno radarem FuG-212 Lichtenstein C-1 a šikmo vzhůru montovaným kanónem a používáno jako noční stíhači v Rumunsku v roce 1944. Fw 189 také sloužily ve slovenském, maďarském a rumunském letectvu.

Specifikace Fw 189A: 2 vzduchem chlazené motory Argus As 410 A-1 o výkonu 465 koňských sil; rozpětí 18,4 m; nosná plocha 38 m²; délka 12,03 m; výška 3,1 m; vzletová hmotnost 3950 kg; max. rychlost 350 km/h; dostup 7300m; max. dolet 670 km.

EN - History

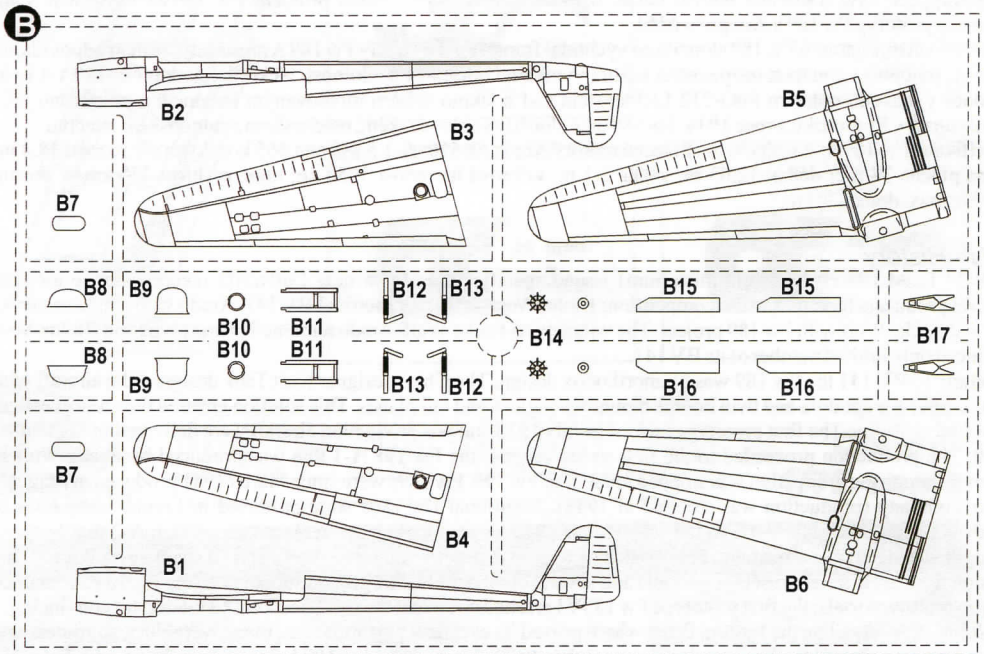
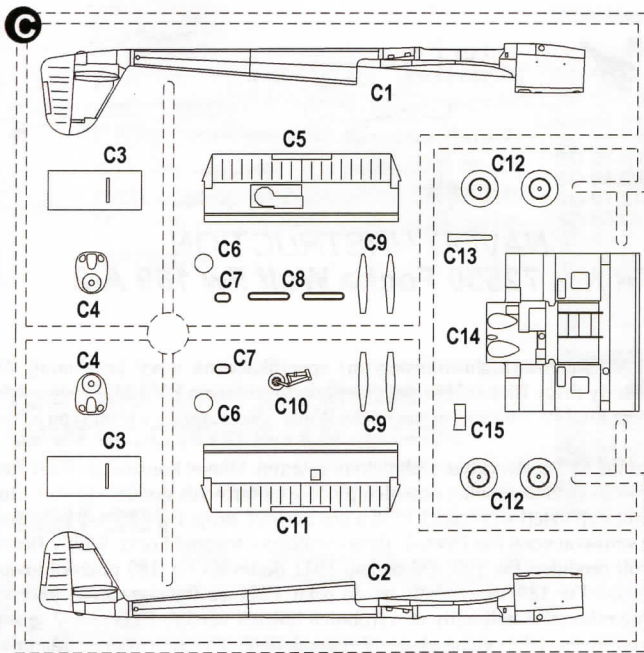
In 1937 RLM (Reichsluftfahrtministerium) issued specifications for a new Luftwaffe reconnaissance aircraft. Several producers took part in the competition; Blohm Voss with asymmetrical BV 141, Arado with single seater Ar 198 and Focke Wulf with Fw 189 project. The winner was Focke Wulf, Arado remained in prototype and Blohm Voss produced only limited number of its BV 141.

Similarly to BV 141 the Fw 189 was of unorthodox design. The Chief designer Kurt Tank designed the aircraft with central fuselage gondola and twin booms mounting engines and tail planes. This solution ensured the crew excellent all-round visibility. The first prototype took off in July 1938 and pre-production aircraft were delivered in September 1940. The production proceeded to the first series version, the Fw 189 A-1 that was produced by Focke Wulf in Bremen though the production was stopped in favor of Fw 190. Fw 189s were since March 1941 produced in Prague's Aero Company (production was stopped in 1943). Additional Fw 189s were produced in French companies in Bordeaux-Mérignac until 1944. In the second half of 1941 version A-1 was replaced by version A-2 that featured strengthened defensive armament. Small batch of version B (trainer and messenger aircraft) was also produced. This version featured different fuselage gondola and several other details. The ground support version Fw 189C remained only in prototype trials; the first prototype Fw 189V1 crashed and event the modified Fw 189V-6 wasn't convincing.

Most Fw 189s served on the Eastern Front where proved its excellent performances, maneuverability, sturdiness and ability of take-offs and landings on the unconsolidated airfields. Several Fw 189A-1s were equipped with FuG-212 Lichtenstein C-1 radar and upward firing cannon and were deployed as a night fighters in 1944 in Romania. Fw 189s also served in Slovak, Hungarian and Romanian air forces.

Fw 189A Specifications:

Powerplant: two 465 hp Argus As 410 A-1 air cooled engines; Span: 18.4 m; Wing Area: 38 m²; Length: 12.03 m; Height: 3.1 m; Take-off Weight: 3950 kg; Max. Speed: 350 km/h; Ceiling: 7300 m; Range: 670 km.



SYMBOLS

[?] MOŽNOST VOLBY
OPTIONAL
NACH BELIEBEN
OPTION

[Metal Drop] POUŽÍŤ LEPIDLO NA KOV
INSTANT GLUE FOR METAL
METALLKLEBER
COLLE A METAL

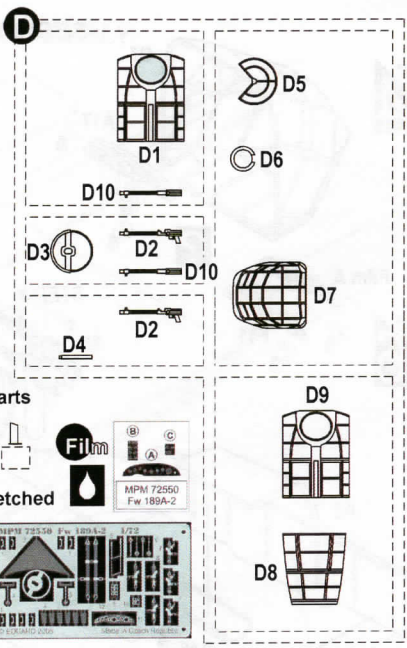
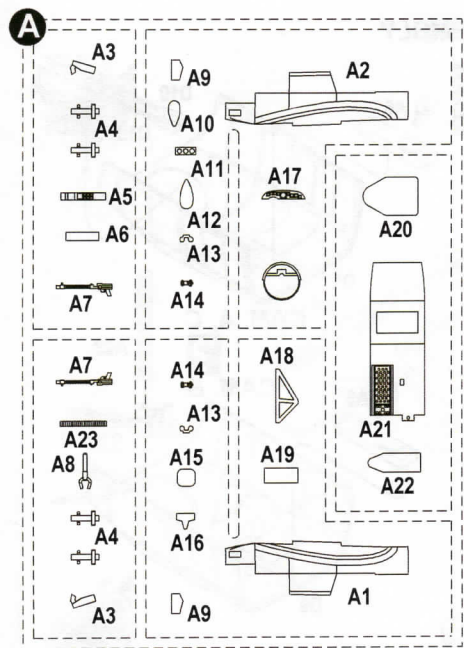
MPM 72550

[Scissors] REZAT/VRTAT
CUT OFF/DRILL
ENTFERNEN
DETACHER

[Hand] ZHOTOVIT NOVÉ
SCRATCH BUILD
FERTIGSTELLEN
ACHEVER

[Bend Arrow] OHNOUT
BEND
BIEGEN
COURBER

GSI
colours code
[A] NATŘIT
COLOUR
FARBEN
PEINDRE



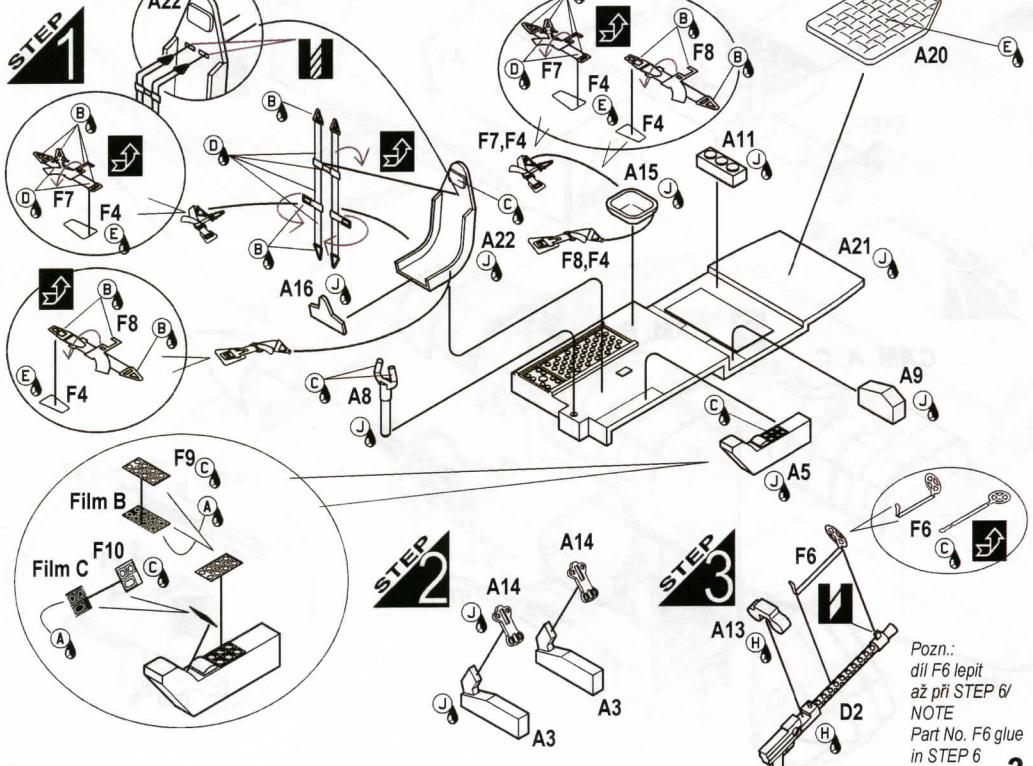
E PUR parts



F Photoetched parts



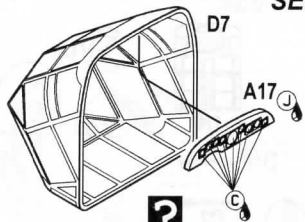
SESTAVA - ASSEMBLY



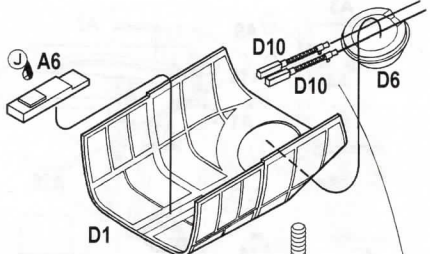
Pozn.:
díl F6 lepit
až při STEP 6/
NOTE
Part No. F6 glue
in STEP 6

SESTAVA - ASSEMBLY

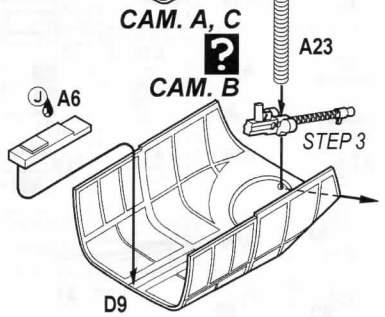
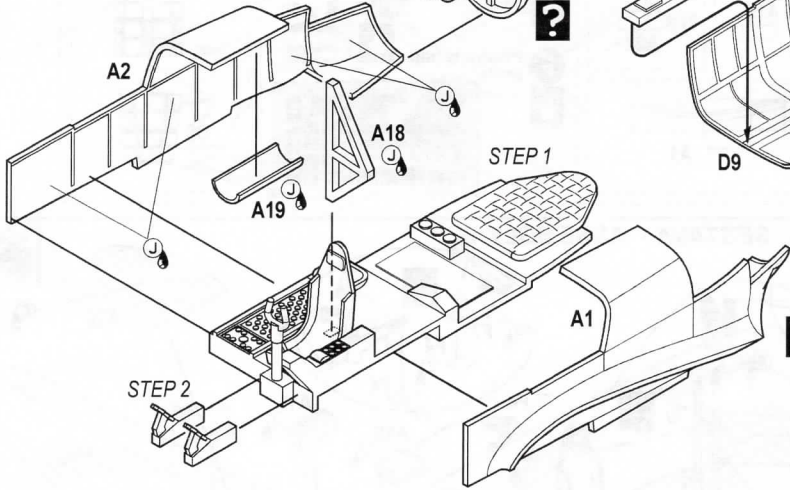
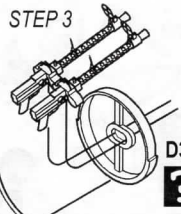
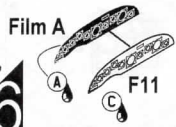
STEP 4



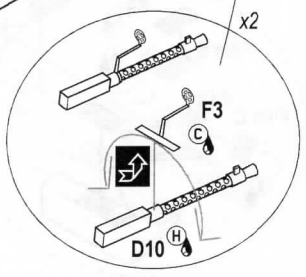
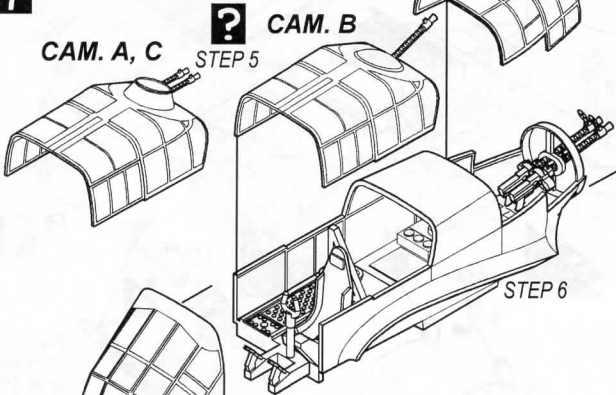
STEP 5



STEP 6



STEP 7

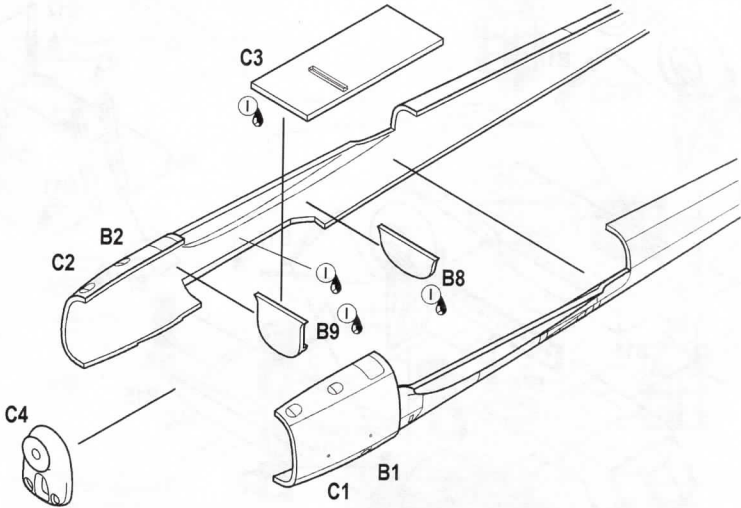


STEP 4

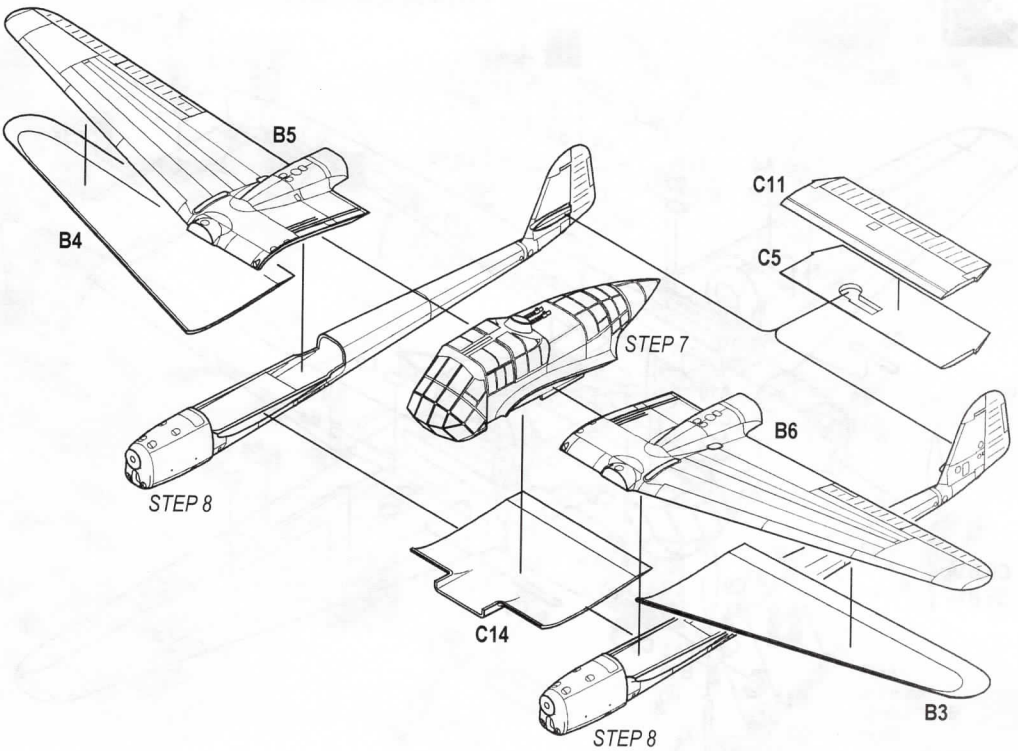
STEP 6

SESTAVA - ASSEMBLY

STEP 8
x2

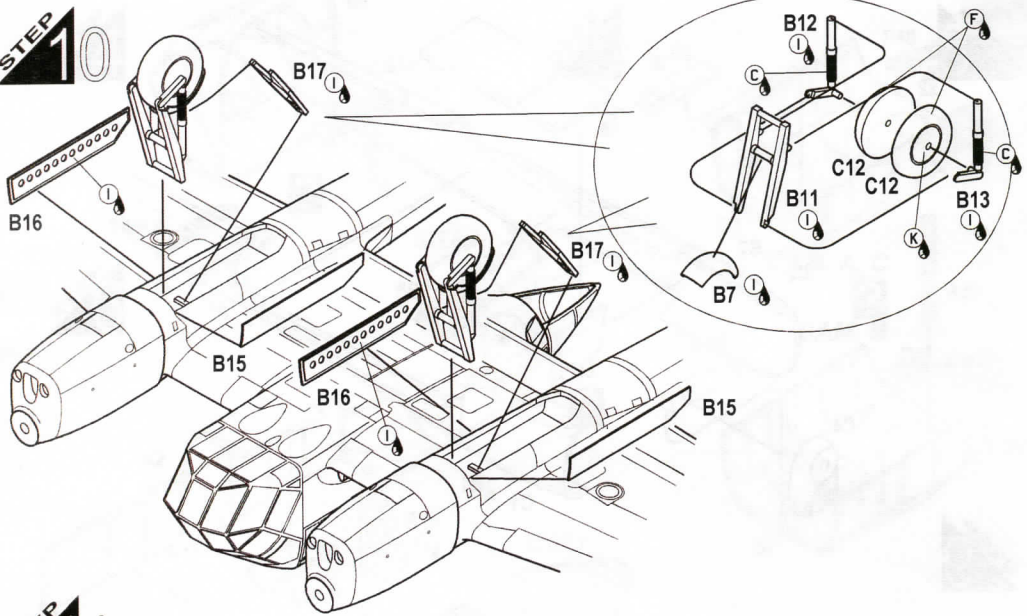


STEP 9

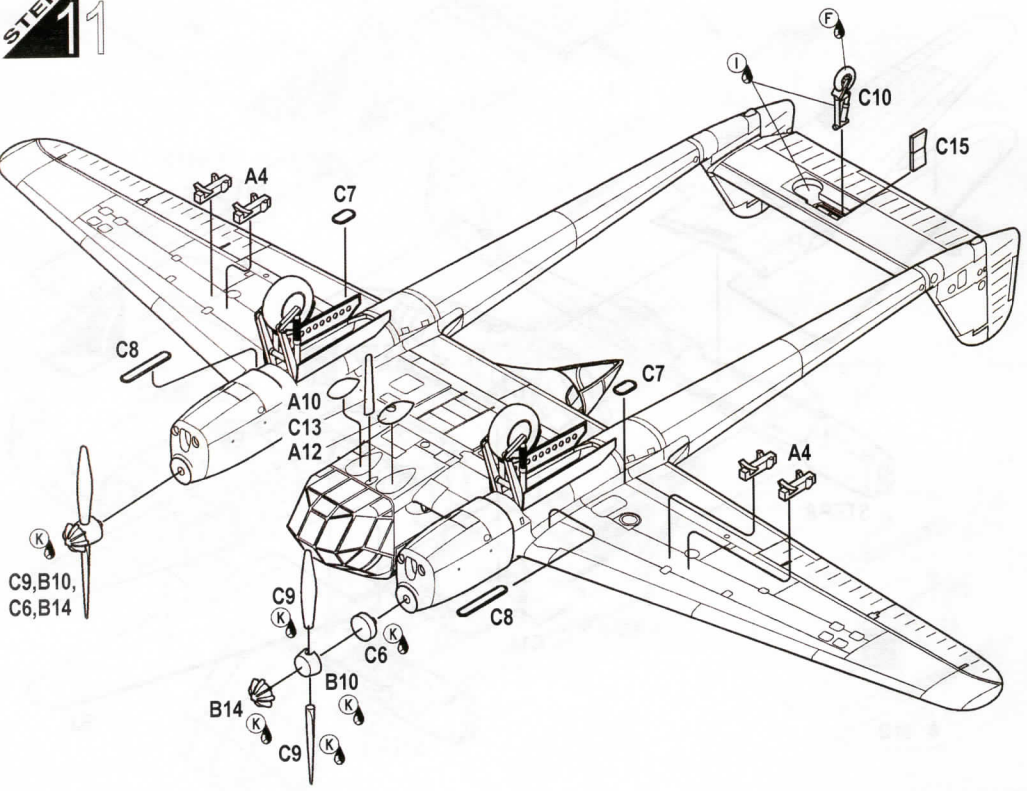


SESTAVA - ASSEMBLY

STEP 10

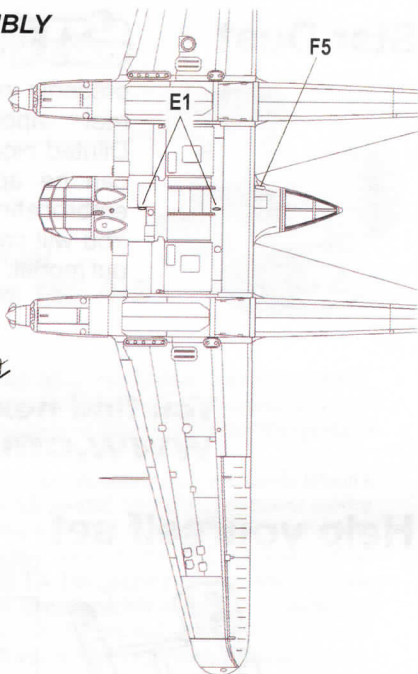
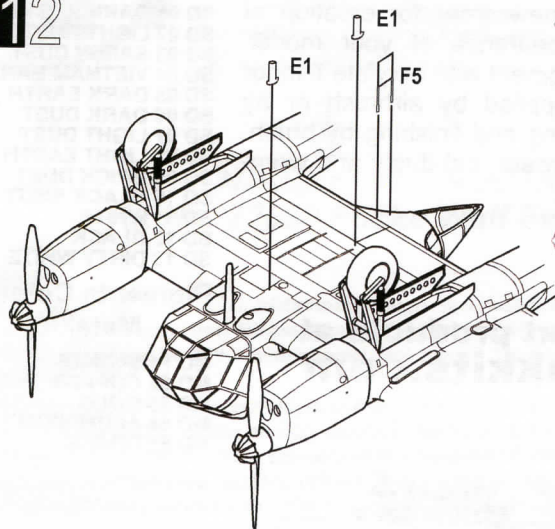


STEP 11

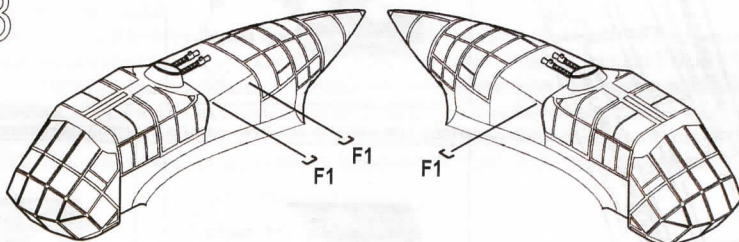


SESTAVA - ASSEMBLY

STEP 12



STEP 13



Barvy GUNZE/ GUNZE Colour No.

A	Bílá/ WHITE	H1/C1
B	Stříbrná/ SILVER	H8/C8
C	Černá/ BLACK	H12/C33
D	Žlutohnědá/ TAN	H27/C44
E	Hnědočervená/ RED BROWN	H47/C41
F	Černá pneum./ TIRE BLACK	H77/C137
H	Tmavý kov/ DARK IRON	MC214
I	RLM 02 Šedá/ GREY	H70/C60
J	RLM 66 Šedá/ GREY	C116
K	RLM 70 Černozelená/ BLACK GREEN	H65/C18

Pozn:

Další použité barvy jsou na stránkách s kamuflážemi

Note:

For next used colours see camouflage pages

Star Dust



presents newcomer for creation of real appearance of your model. Diluted pigment with acrylate thinner can be applied by airbrush or by embrocating and finishing by brush. You will create real dusty and worn-out model.



Pigments Colours Natural

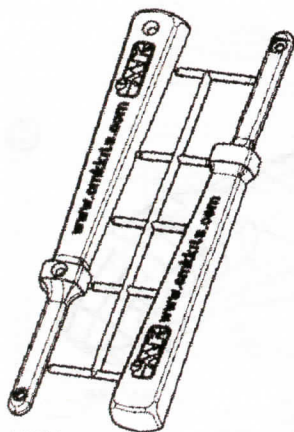
- SD 01 DARK RUST
- SD 02 LIGHT RUST
- SD 03 SANDY DUST
- SD 04 VIETNAM EARTH
- SD 05 DARK EARTH
- SD 06 DARK DUST
- SD 07 LIGHT DUST
- SD 08 LIGHT EARTH
- SD 09 BRICK DUST
- SD 10 BLACK SMUT
- SD 11 WHITE
- SD 12 BLACK
- SD 13 DIRTY WHITE

Pigments Colours Metallic

- MD 51 BRONZE
- MD 52 COPPER
- MD 53 GOLD
- MD 54 ALUMINIUM
- MD 55 BRASS

You find next products at www.cmkkits.com

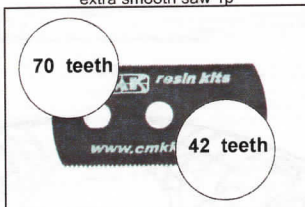
Help yourself set



H1010

Holder for all our saws

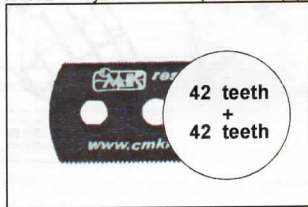
H1000 Ultra smooth and extra smooth saw 1p



H1001 Ultra smooth saw (both sides) 1p



H1002 Very smooth saw (both sides) 1p



limited run plastic kits

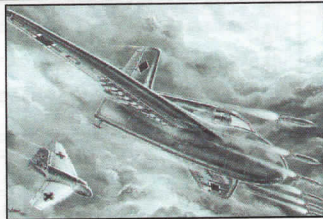
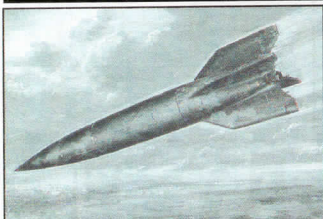
High quality injected plastic kits - short run/ Vstřikované modely - limitovaná série

series
Condor
1/72 scale

C72001 1/72 A4/V2 German missile

C72002 1/72 Messerschmitt Me 163 A

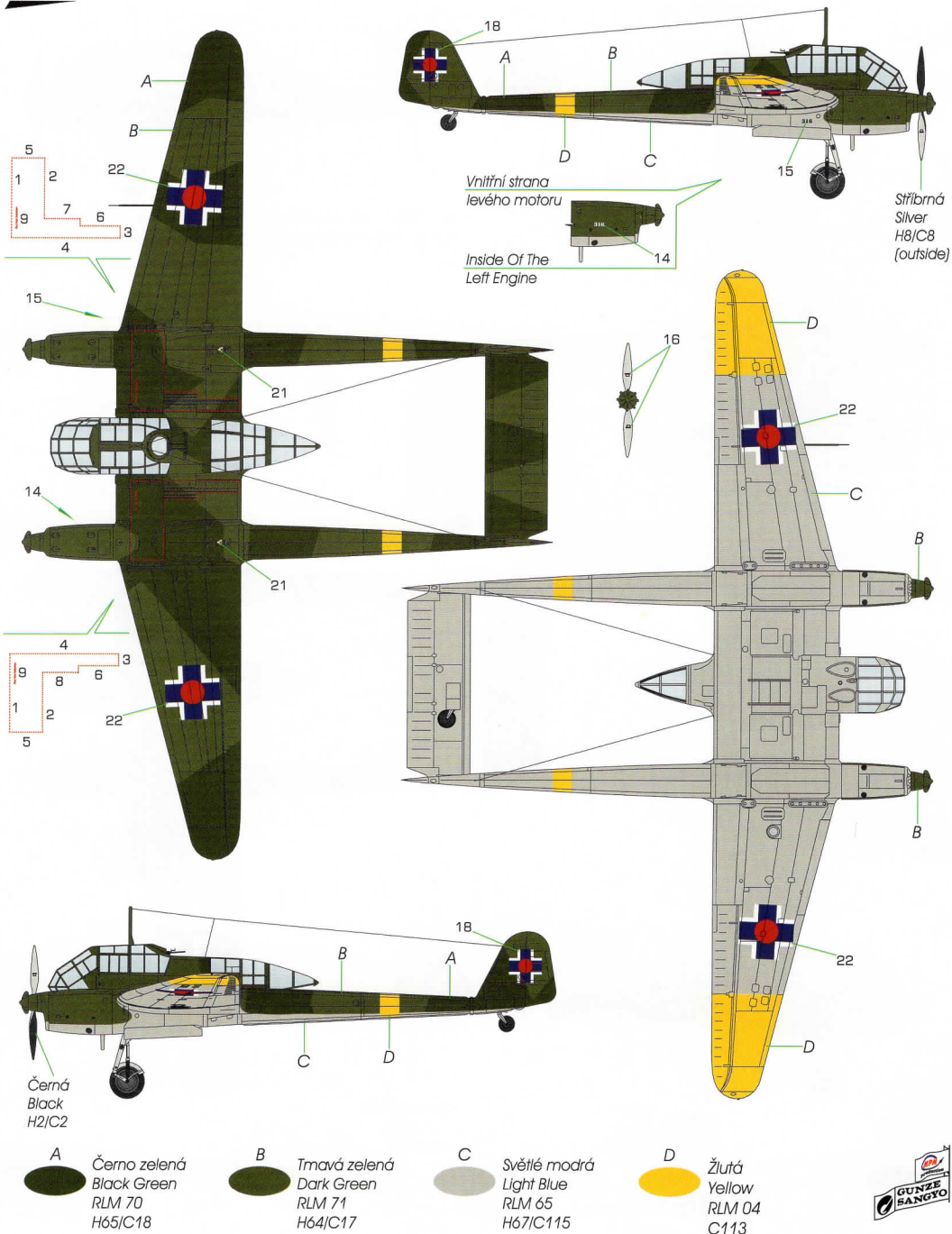
C72003 1/72 Heinkel He 178 V-1



Focke Wulf Fw 189A-2, W. Nr. 2316, 1. zvědná letka Slovenských Vzdušných Zbraní, koniec roku 1943. Letoun později uletěl do SSSR, po vypuknutí SNP se vrátil na Slovensko a řídil činnost Povstalecké letky.

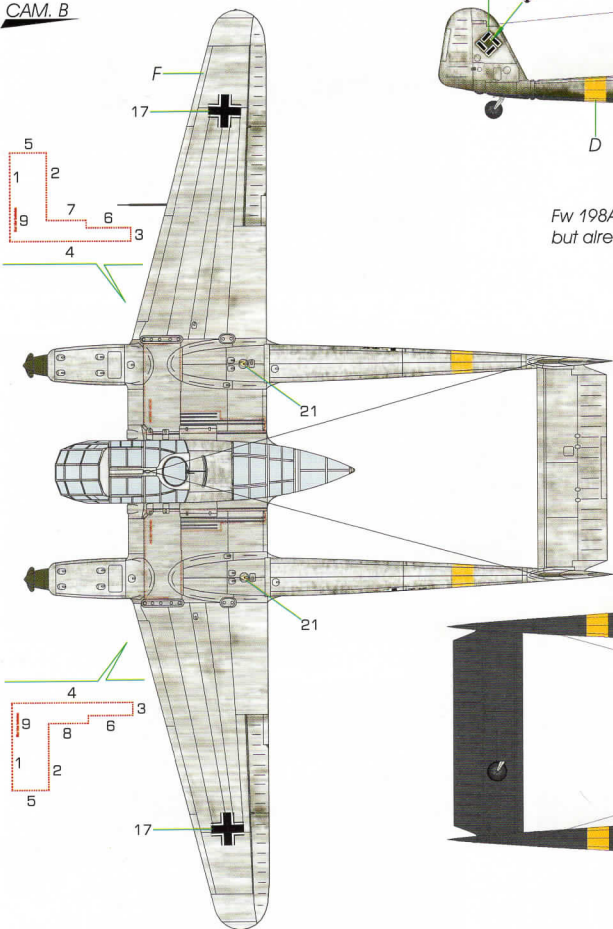
CAM. A

Focke Wulf Fw 189A-2, W. Nr. 2316, 1st Spy Flight, Slovak Air force, end of 1943. Eventually, the aircraft flew off to USSR. When the SNU (Slovak National Uprising) had broken out this aircraft returned to Slovakia and directed the Rebel Flight operations.

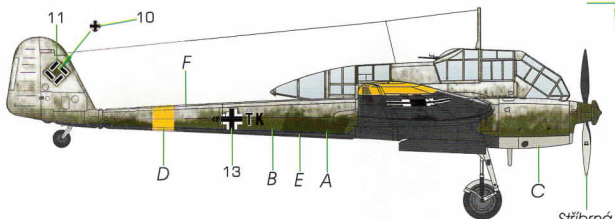


Focke Wulf Fw 189A-2, 4E+TK, jednotka 2.(H)13, východní fronta, zima 1943. Pro noční akce byl letoun zespoda nastříkán černou barvou, kamuflážní barvy shora byly překryty bílou smyvatelnou barvou a silně přes tuto barvu prosvítaly. Stroj patří k první serii Fw 189A-2, ještě s původním hřbetním střelštěm, ale již je vybaven ocasním střelštěm s montáží MG-81Z.

CAM. B

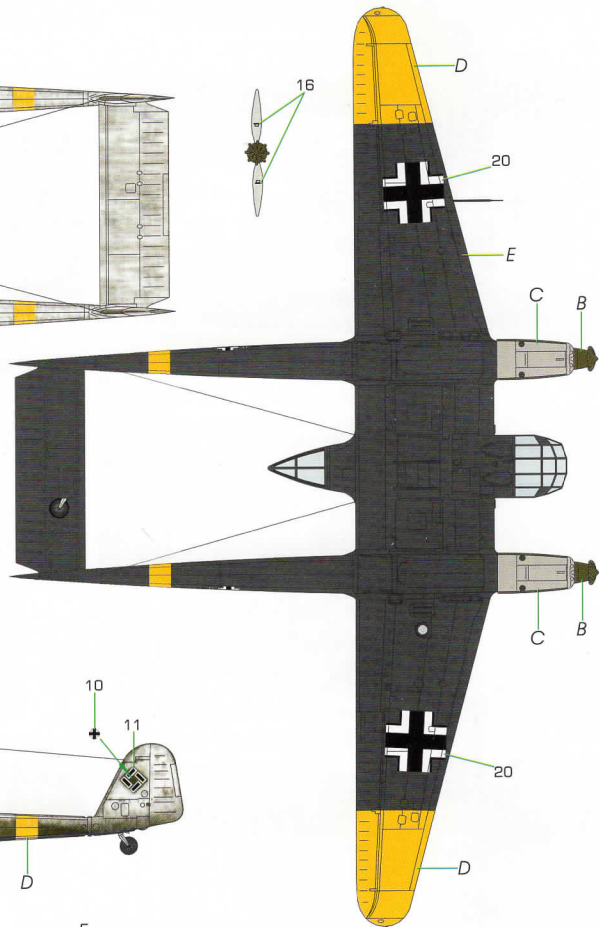


Focke Wulf Fw 189A-2, 4E+TK, Unit 2 (H) 13, East Front, winter 1943. For night operations the lower surfaces of this aircraft were sprayed with black color, upper camouflage was over painted by harshly applied washable white and still the camouflage colors shine through. This aircraft is of the first batch of



Fw 189A-2 with original dorsal gunner's position but already equipped with rear mounted MG-81Z.

Stříbrná
Silver
H8/C8
(outside)



Černá
Black
H2/C2

A Černo zelená
Black Green
RLM 70
H65/C18

E Černá
Black
H12/C33

B Tmavá zelená
Dark Green
RLM 71
H64/C17

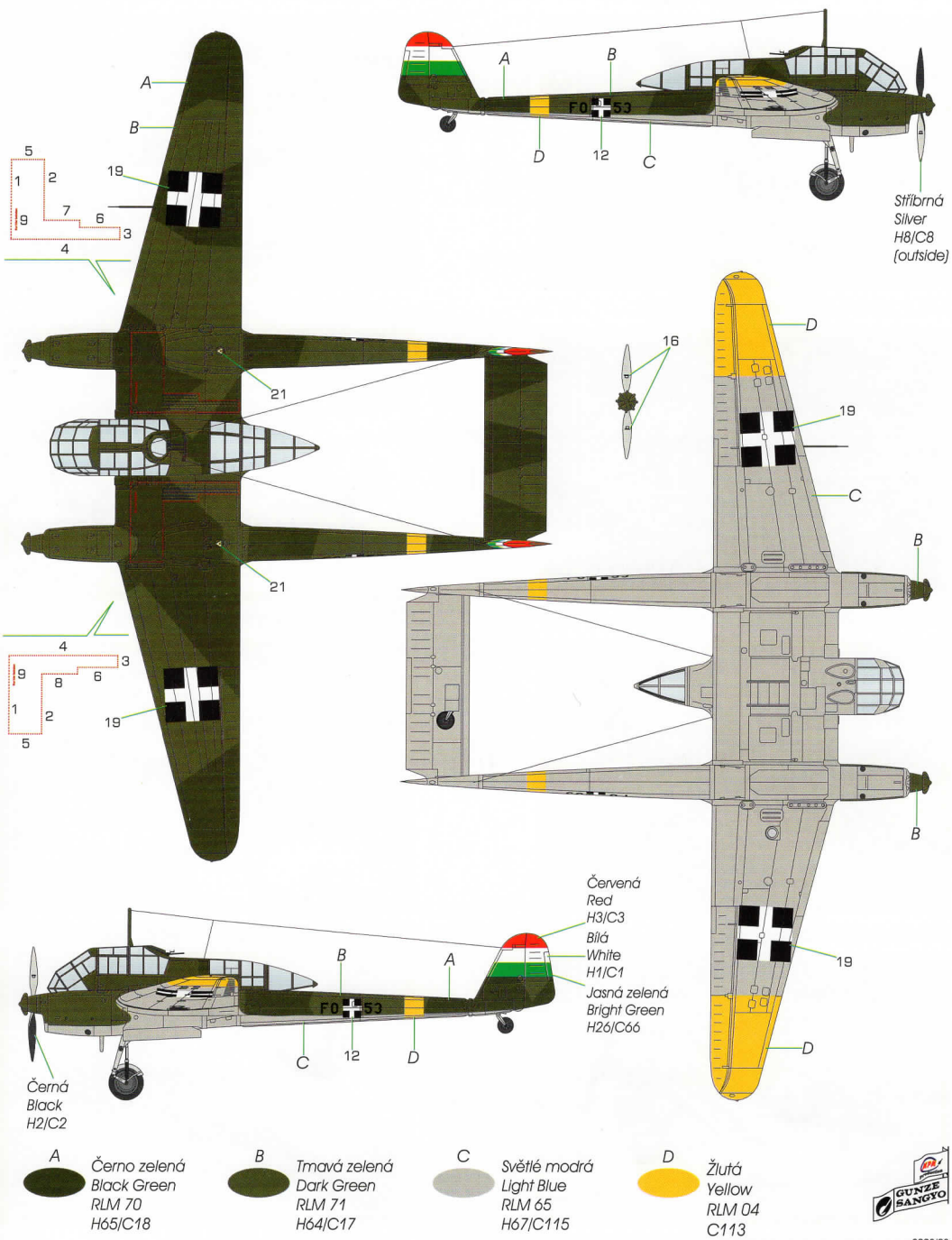
F Venkovní bílá
Off White
H21/C69

C Světlé modrá
Light Blue
RLM 65
H67/C115

D Žlutá
Yellow
RLM 04
C113



CAM. C



Sříbrná
Silver
H8/C8
(outside)

Červená
Red
H3/C3
Bílá
White
H1/C1
Jasná zelená
Bright Green
H26/C66

Černá
Black
H2/C2

A Černo zelená
Black Green
RLM 70
H65/C18

B Tmavá zelená
Dark Green
RLM 71
H64/C17

C Světlé modrá
Light Blue
RLM 65
H67/C115

D Žlutá
Yellow
RLM 04
C113



OTHER AIRCRAFT BY

MPM 
Production



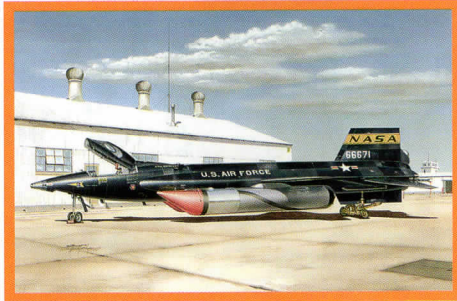
MPM72530 B&P DeLiant Mk. I "HI-tech"



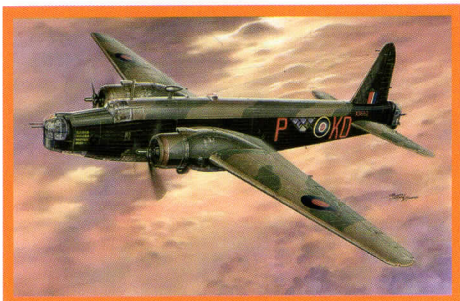
MPM72534 Gloster Meteor FR Mk. 9



MPM72535 Vickers Wellington Mk. II



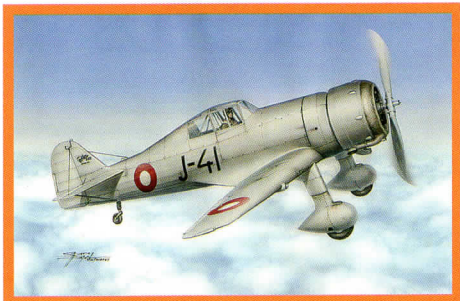
MPM72537 X-15A-2 "HI-tech"



MPM72542 Wellington Mk. III



MPM72543 Gloster Meteor F. Mk.8 "No.77. sq. RAAF"



MPM72544 Fokker D.XXI "Danish Type"



MPM72549 Boston Mk. IVV

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1/72

1/72

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#72550 Focke Wulf FW-189A-2

