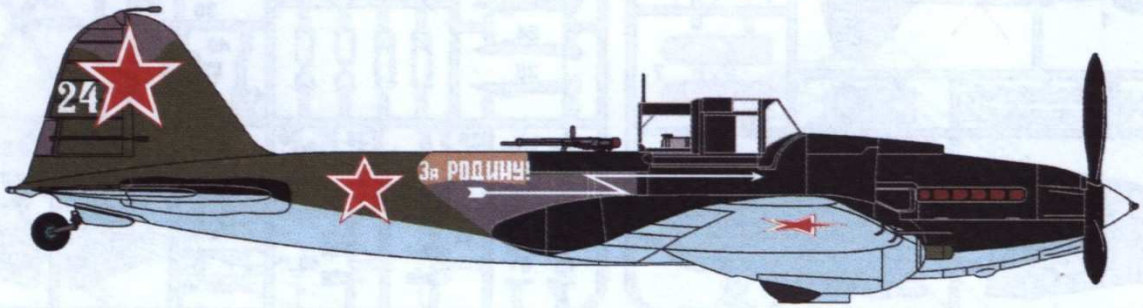
KPM0137



KOVOZÁVODY PROSTĚJOV

Iljušin Il-2

Historie

Ve středním úseku fronty, však získala první bojové úspěchy. Il-2 snesly prudkou palbu zbraní menších ráží, spolehlivě dolétly na mateřské základny i se značným poškozením a nevyžadovaly ani náročnou údržbu, ani upravené rozjezdové plochy. Z bojových zkušeností však bylo zřejmé, že bude znovu nutné zasáhnout do konstrukce a vytvořit místo pro zadního střelce. Navíc kvůli narůstajícímu nedostatku hliníku se začal trup a později i křídla vyrábět ze dřeva. To mělo za následek výšení hmotnosti a z toho pramenící pokles výkonů. Velké množství jednomístných Il-2 v polních podmínkách upraveno tak, aby mohly nést střelce z velkorážního kulometu.

Prototyp verze Il-2m2 prošel státními zkouškami v červenci 1942. Obranu zadní polosféry zajišťoval střelec-radista-pozorovatel, který ovládal pohyblivý kulomet UBT ráže 12,7 mm. Jeho kabina nebyla pancéřována, tudíž střelci měli 7× vyšší ztráty než piloti. Bitevníky Il-2 byly od počátku roku 1943 vybaveny motory AM-38F. Jejich standardní výzbrojí byly 2 kanóny ráže 20 nebo 23 mm, 2 kulomety ráže 7,62 mm, 8 neřízených reaktivních střel ráže 82 mm nebo až 600 kg bomb, jeden UBK ráže 12,7 mm. Další novou výzbrojí byly tzv. PTAB, byly to kumulativní bomby o hmotnosti 1,5 kg (dle jiných zdrojů 2,5 kg). bombičky byly rozsévány ze zásobníků DAG-10, kde jich bylo 192 kusů,. Šturmoviky se osvědčily také u pobřežních jednotek sovětského námořního letectva, kde útočily na plavidla nepřítele svými běžnými zbraněmi, ale i torpédy. Výroba šturmoviků se neustále stupňovala, roku 1943 byl téměř každý třetí letoun vyrobený v SSSR právě Šturmovik. .

TECHNICKÁ DATA: / TECHNICAL DATA:

Délka/Length:	11,60 m
Rozpětí/Wing span:	14,60 m
Výška/Height:	4,20 m
Nosná plocha/Wing area:	38,5 m2
Hmotnost prázdná/Empty weight:	3990 - 4260 kg
Vzletová hmotnost/Take-off weight:	5310 - 5790 kg
Motor/Powerplant:	dvanáctiválec Mikulin AM-38
Max. rychlost/Max. speed:	414 km/h v 3000 m
Dolet/Range:	640 až 720 km
Dostup/Service	5500 až 7800 m
Výzbroj/Armament:	2x 20mm ŠVAK, VJa-23, PTkanon 11-P-37,
Dostup/Service	2x 7,62 ŠKAS, UBT 12,7 mm
	RS-82 nebo RS132, PTAB, torpéda

POUŽITÉ PODKLADY: / REFERENCES USED:

Iljušin Il-2 Jakab Publishing
Ilustrovaná historie letectví
4+ Ilyushin Il-2 Shturmovik
Internet
personal files/osobní sbírky

History

The Iljushin Il-2 battleplane was designed to meet the increasing demand for planes able to cooperate with land troops. The plane was designed in the late 1930s by Sergej Iljushin, who offered the Russian air force a single-engine, two-seat plane with strong armor and heavy armament. The CKB-55 prototype took off for the frst time on October 7, 1939. Its entire front, up to the gunner´s position, was covered with stream lined armor. The wings were all-metal, while the back part of the fuselage was made of wood. The plane was powered by a Mikulin AM-35 engine. Though the plane performed satisfactorily in flght, the pilots criticized it – in particular for its low speed, poor fight range and insufficient armament of four machine guns. Instead, they required a one-seat plane with stronger armor, two cannons, two machine guns as well as larger fuel tanks. All of these alterations were carried out, through the plane lost some of its ability to defend itself and thus required the protection of accompanying fghters. With a more powerful AM-38 engine, the CKB-57 modifed prototype took off on October 12, 1940. Before testing was completed, it was put into series production under the designation of Il-2 as an all-metal plane. Starting in May 1941, it was delivered to the Russian air force.

Within the month before Russia was invaded by the Germans, Russian pilots could not by the thoroughly trained to operate the new planes. This fact – along with the absence of fghter protection – resulted in heavy losses in fghting with the Luftwaffe. It was soon recognized that the rear machinegunner was a must. In addition, a lack of aluminium necessitated the replacement of aluminium by wood in the production of fuselages and wings. As a result the plane became heavier and more diffcult to maneuver. The need for the plane to protect itself was so urgent that before the production of the modifed IL-2m3 two-seater commenced, many one-seat planes were converted into two-seaters in the feld. The performance of the two-seat "shturmoviks" was poorer that of their one-seat predecessor. They did not become popular until a thorough revision of battle tactics. Its fame was based, among other things, on how many of them were produced – a total of 36,163 planes in all versions were completed.

REALIZAČNÍ TÝM: / REALISATION TEAM:

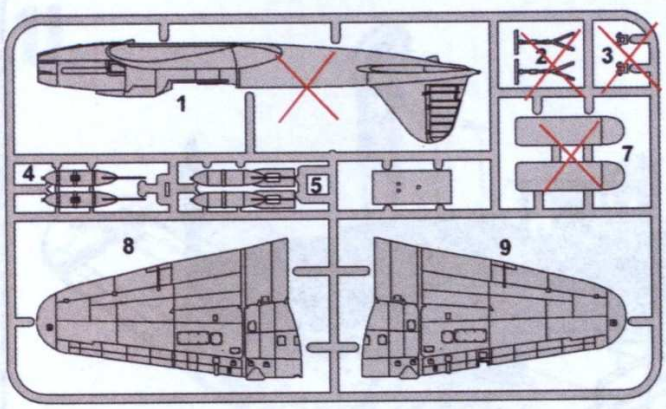
Koordinace výroby: Production coordination:	Petr Muzikant
Předlohový model: Master model:	VD Směr PRAHA Petr Muzikant
Titulní kresba: Box art:	Zdeněk Macháček
Návod: Instruction leaflet:	JardaŠ
Grafika a návrh obtisků: Graphic design, decals:	JardaŠ
Tisk obtisků: Decal printer:	Petr Muzikant
Konzultanti: Consultants:	Slavomír Goldemund Miroslav Balous Václav Šorel Jaroslav Velc Michal Ovčáčík Pavel Šipka

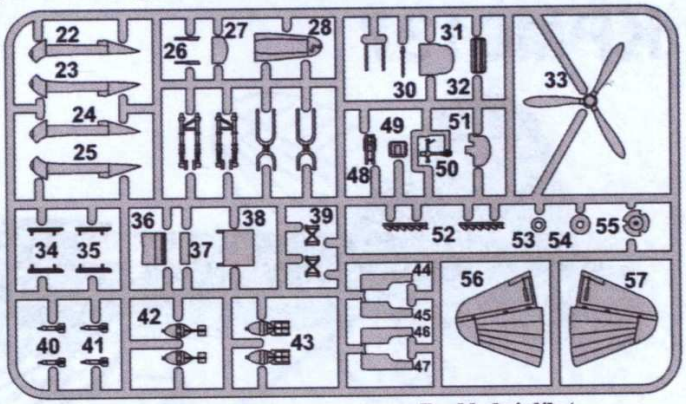
VOLITELNÉ / OPTIONAL — VYVRTAT / DRILL HOLE — SYMETRICKY / SYMMETRICAL — ODSTRANIT / REMOVE

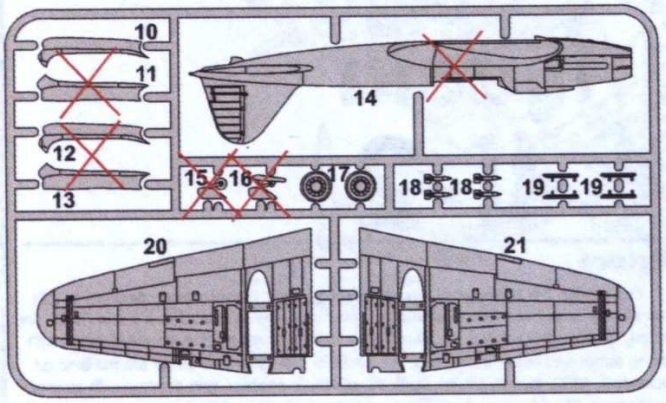
Před zahájením stavby si prostudujte návod. Používejte pouze vhodné nářadí, lepidlo a barvy. Během práce nejezte a nepijte. POZOR - obsahuje malé součásti, které mohou mít ostré hrany. Není vhodné pro děti.

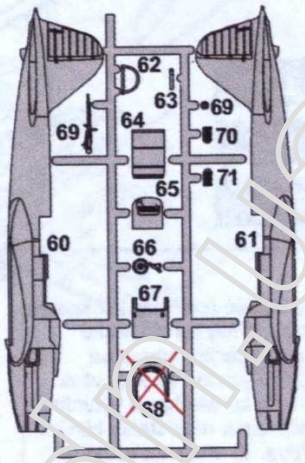
Read carefully the instruction leaflet before assembly. Use proper tools, glue and paints. Do not eat and drink during the work. WARNING - contains small parts with possible sharp edges. Not suitable for children.

Plastikové díly - Plasie parts

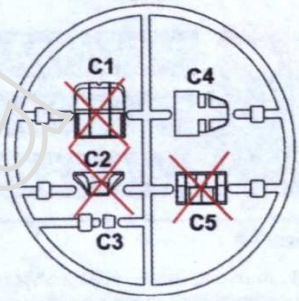


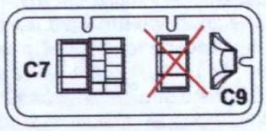






Průhledné díly/
Clear parts





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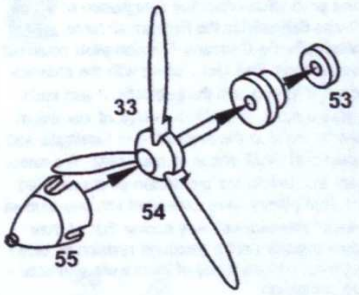

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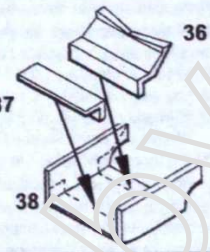

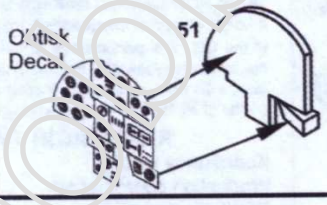

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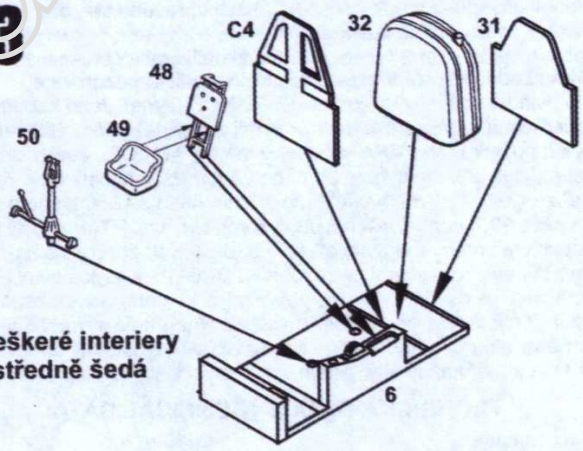
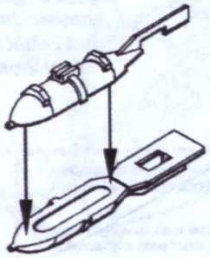


Veškeré interiery
středně šedá

4



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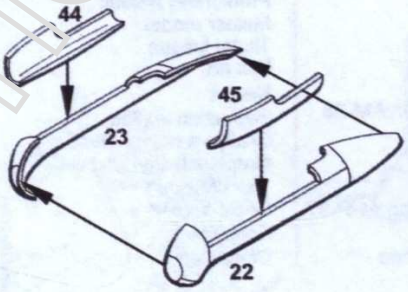

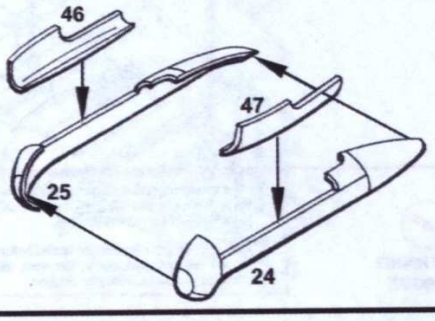

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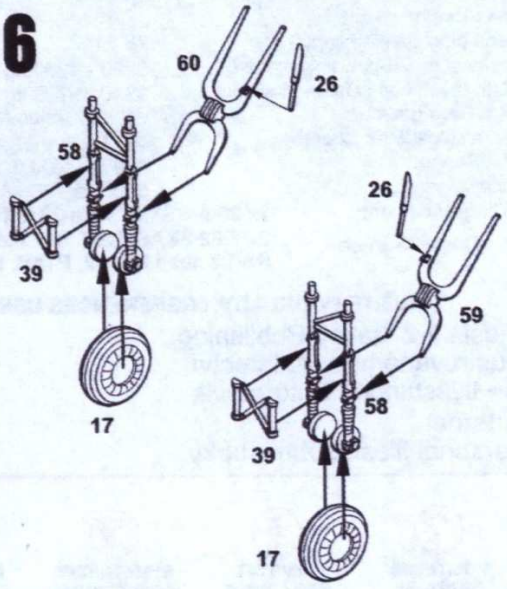

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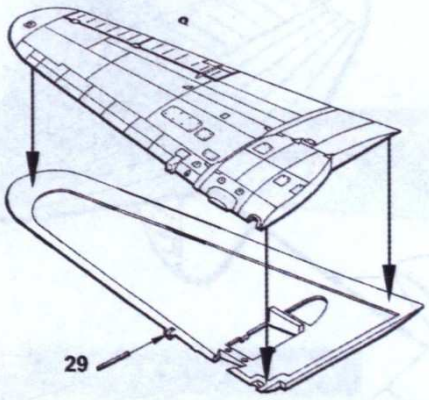

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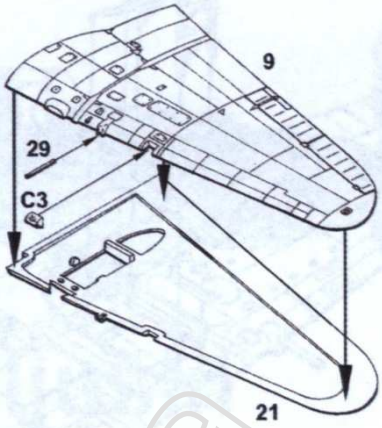

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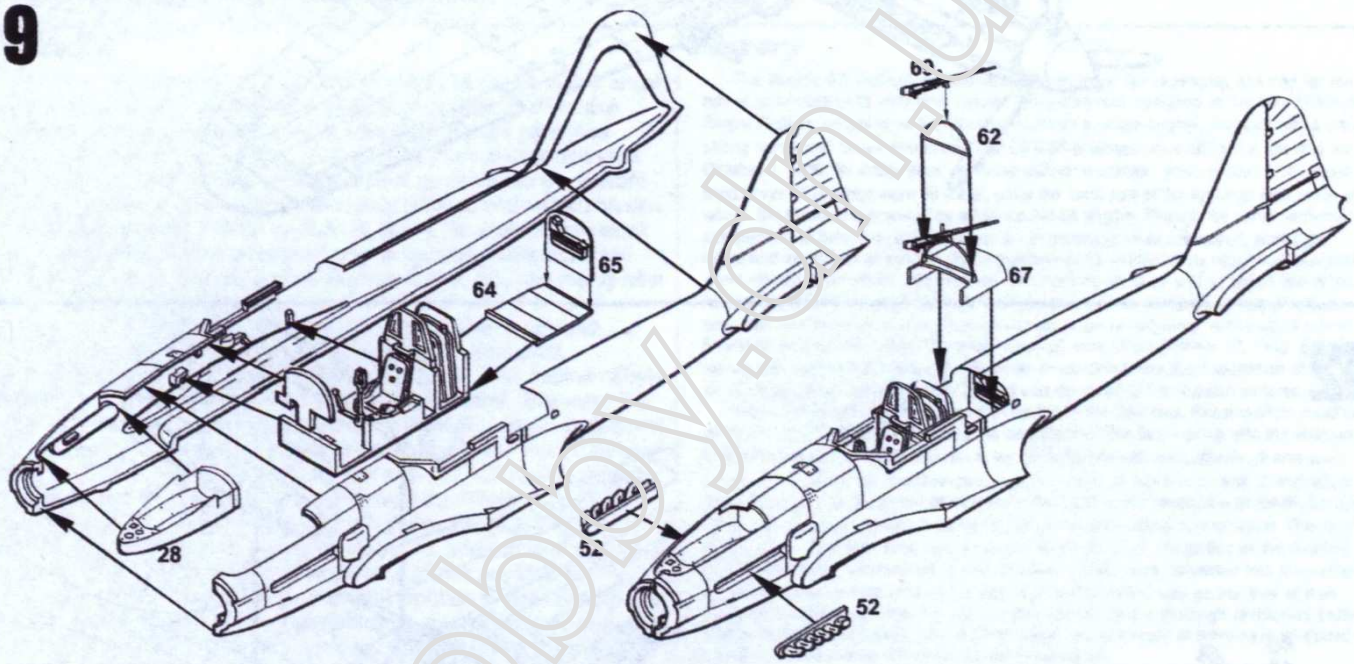

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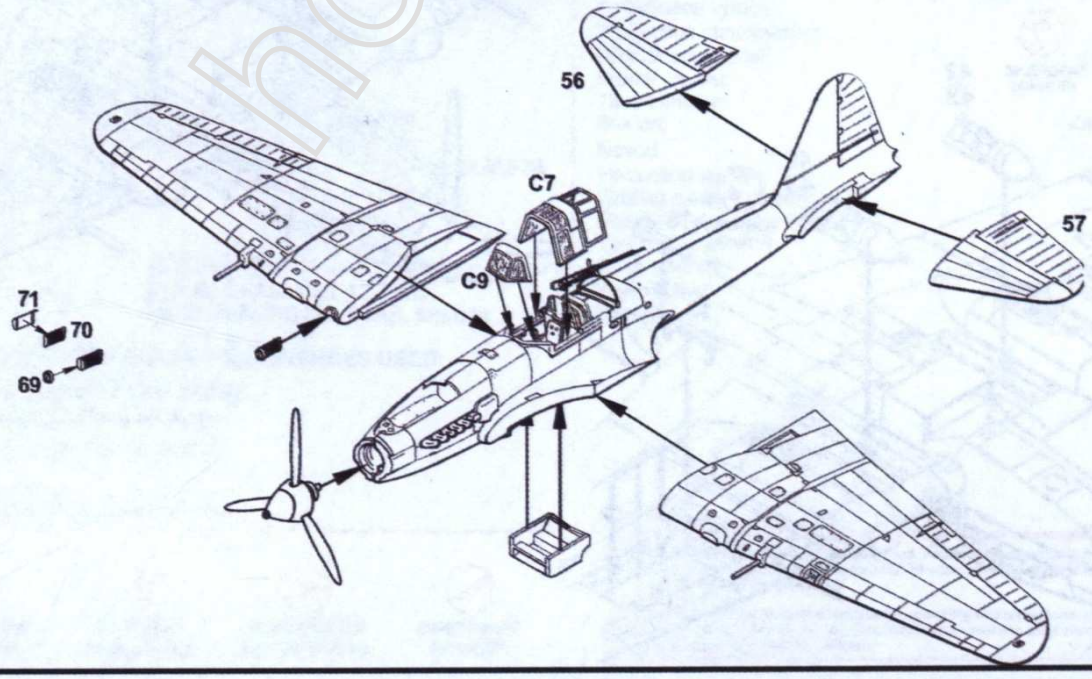

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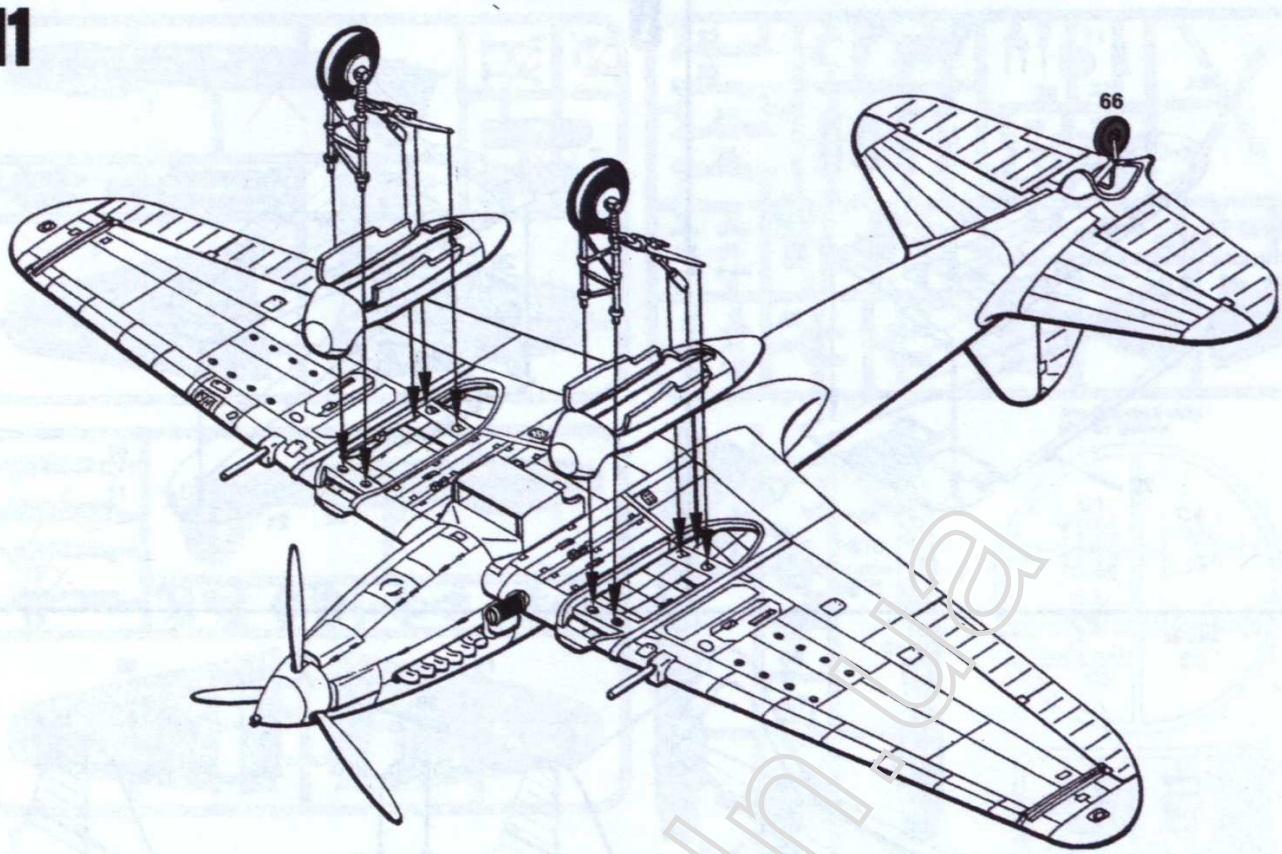

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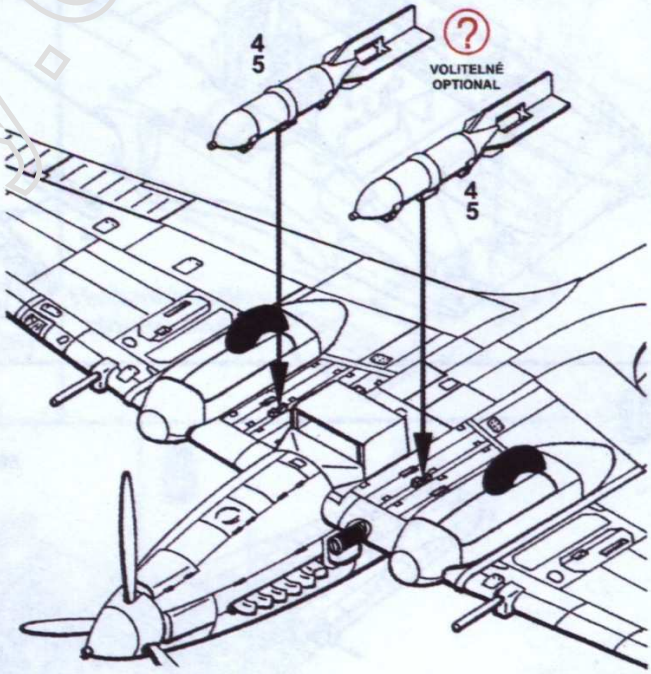

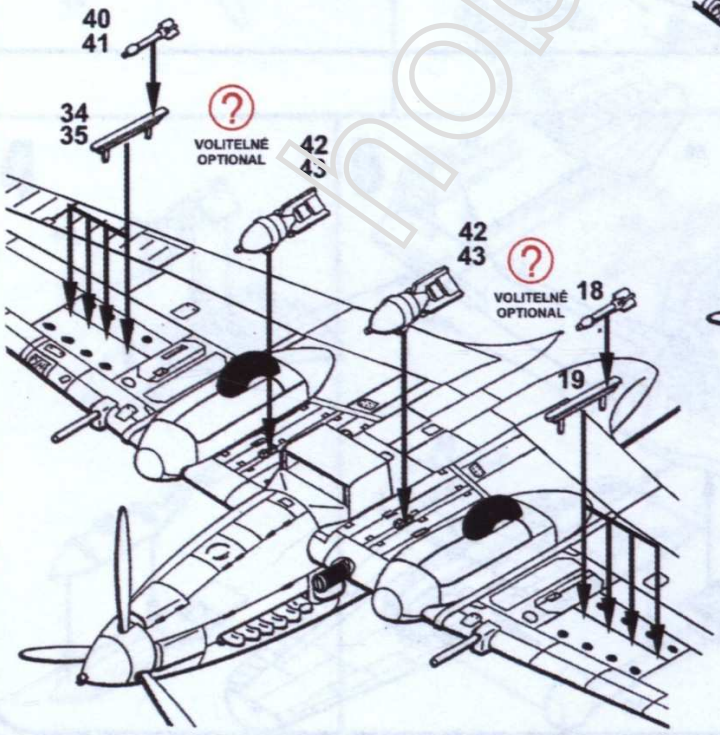

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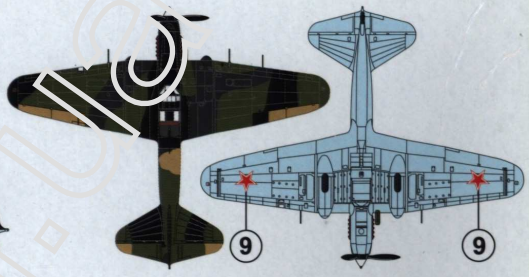
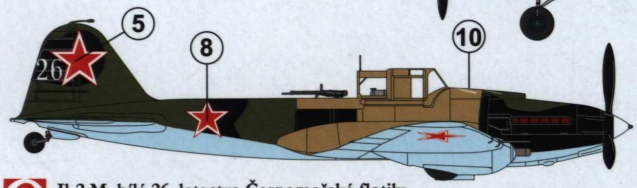
KOVOZÁVODY PROSTĚJOV

Zbarvení & Označení
Colours & Markings

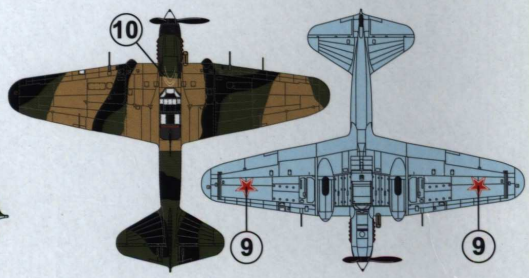
118 R18 Světlá Hnědá / Light Brown
102 R11 Zelená / Green
32 R6 Šedá / Grey
65 R31 Světle modrá / Light Blue
33 Černá / Black
34 Bílá / White
53 32 Barva hlavní / Gunmetal
160 N22 Výfuky / Exhaust Tubs

1 **Il-2 M, bílá 24, letectvo Černomořské flotily**
Il-2 M, White 24, Black Sea Fleet

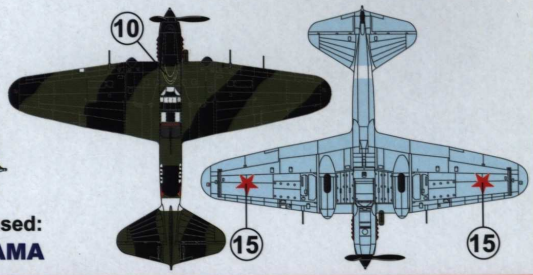




2 **Il-2 M, bílá 26, letectvo Černomořské flotily**
Il-2 M, White 26, Black Sea Fleet



3 **Il-2, bílá 100, Hrdina SSSR, kapitán V.B.Jemeljaněnko, 7. gardový bitevní letecký pluk, 1943**
Il-2, White 100, Hero of the USSR, Capitain V.B.Emelyanenko, 7.Guar[illegible] Attac[illegible] Air Regiment, 1943



Použité barvy: / Paints used:
HUMBROL / AGAMA

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