1/72 Scale Plastic Model Kit



ProfiPACK

No other aircraft is as intimately connected with the rise and fall of the German Luftwaffe in the course of the WWII as the Messerschmitt Bf 109. A very progressive design at the time of its invention, it had plenty of room for further development.

The history of the Bf 109 begins with the requirement L.A. 1432/33 issued by Reich Ministry of Aviation (RLM) in late March 1933. It called for the development of a single-engined monoplane fighter. Proposals were submitted by Arado, Heinkel, Focke -Wulf and Bayerische Flugzeugwerke. The design bureau of the last-mentioned company was led by its technical director Willy Messerschmitt, who was riding a wave of popularity based on the success of his liaison aircraft, the Bf 108. Messerschmitt's goal was to create an aircraft with the best possible performance for the specified weight and size. Over the following months, several prototypes were built that served first and foremost in development flights and further modifications. The aircraft was relatively small, and compared to the prevailing trends of the time, sported several quite revolutionary features such as low wing design, retractable landing gear, wing with a thin airfoil, wing slats, landing flaps, weapons firing through the propeller hub, and so on. Even the enclosed cockpit and [the method of] (not needed) the airframe structure design were not usual just four years prior to the beginning of the Second World War. At its conception, the Bf 109 was a very promising asset despite some powerplant troubles. These were solved by the introduction of the DB 601. This engine, together with its extrapolated development DB 605, is umbilically connected to the success of the Bf 109. These two -row, twelve-cylinder inverted V engines powered several tenths of thousands of 109s in over 25 versions and variants.

From Spanish War to the Reich Defence

The first combat use of Bf 109 occurred during Spanish Civil War, where three developmental Bf 109s were deployed in December 1936. The main reason of revealing the modern fighter to the world was quite down-to-earth: To validate its abilities in modern aerial combat. Shortly thereafter, production aircraft in the form of the Bf 109B-1 began to reach 2.J/88, the Legion Condor. The desire of Germany to demonstrate its aerial prowess to potential foes was advanced further in international sport meets. The triumph attained in Zurich in the summer of 1937 was complemented several months later by grabbing the speed record of 379.63 mph (610.95 km/h). In very short order, the progressive developments represented by the C, D and E versions appeared. Despite this, the delivery of the aircraft to combat units did not sustain the rate desired by military brass. Even by August 1938 the Bf 109 accounted for less than half of the 643 front line fighters in service. The next months saw an increase in these rates. By the time of the invasion of Poland (which saw the participation of only a little more than 200 aircraft) the Luftwaffe possessed the best fighter produced in continental Europe. So the fighter wing of the Luftwaffe entered the Polish campaign, the Blitzkrieg against the West, and the Battle for France with both a qualitative and quantitative advantage. With one foot in the door that was the English Channel, the Luftwaffe embarked on the attacks on Britain in the summer months of 1940. Here, the first weakness of the Bf 109 emerged: The inability to carry drop tanks that would have enabled the type to effectively escort bombers to England. This was one of the factors responsible for the defeat of the Luftwaffe in the Battle of Britain.

Experience gained in 1940 led to the development of the F version prior to the spring of 1941. The elegance of the Bf 109 crested with the "Friedrich". Following a largely defensive stance over the Channel and northern France, the Bf 109F took on a more offensive role in Operation Barbarossa in the east, and in northern Africa. In later duties with the "Jagdwaffe" during the second phase of the war in the east, and in the "Defence of the Reich" from 1943 to 1945, the Bf 109s served in the form of the G version, followed by the K. Even if it was clear that the development of the Bf 109 had reached its limits by the end of the war, the aircraft was still able to keep pace with the foes that it encountered. Besides its primary purpose as a fighter, the Bf 109 also appeared as a fighter-bomber, reconnaissance platform, night fighter, trainer and rammjäger.

Postwar service

The disappearance of the Bf 109 from the skies over Europe was not spelled out by the end of the war. Several examples stayed in Swiss service up to 1949 and many flew in the air force of Czechoslovakia in both original form with a DB 605 powerplant and as an aircraft built out of necessity with surplus Jumo 211s. The latter type also served as the first fighter to fight for the independence of the newly formed state of Israel. Finland retired the type as recently as 1954, and Spain did not retire their HA-1109-1112, re-engined Bf 109s, until 1967.

The kit: Bf 109F-2

The Bf 109F series (Friedrich) was a major improvement of the Bf 109E. There were numerous aerodynamical changes, giving the Bf 109 the shape, which was close to the "definitive" appearance. The engine cowling was completely redesigned and was more rounded and streamlined. The spinner was larger, and its shape transitioned smoothly into the line of the front fuselage. The oil cooler radiator below the nose was also streamlined. The wing lost its typical rectangle shape as a new rounded wingtips were developed. The armament was also revised and consisted of two .312 in (7.92 mm) MG 17 machine guns mounted on top of the engine and one 15 mm MG 151 cannon firing through the propeller spindle. The new aircraft was well received as it was the best handling Bf 109 of them all according to many pilots. The F-2 version was using VDM 9-11207 propeller driven by the DB 601N engine. The first Bf 109F-2s arrived in October 1940 and the production ran until August 1941. During that period some 1,230 of the Bf 109F-2 were produced.

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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 dobre 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

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OPTIONAL VOLBA

J BEND

OHNOUT

SAND

BROUSIT

OPEN HOLE VYVRTAT OTVOR

SYMETRICAL ASSEMBLY SYMETRICKÁ MONTÁŽ \oslash

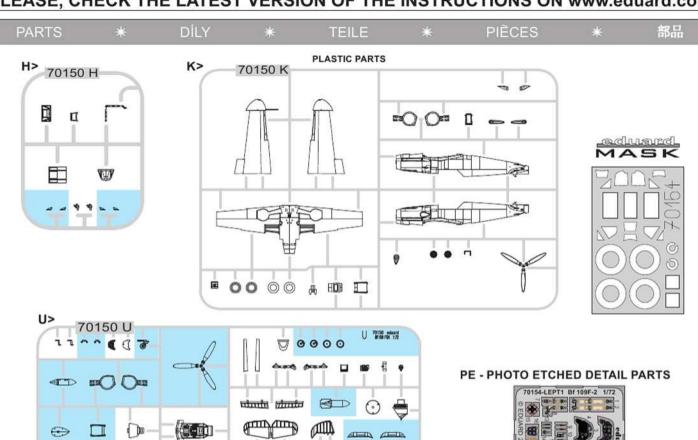
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REVERSE SIDE OTOČIT

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APPLY EDUARD MASK AND PAINT POUŽÍT EDUARD MASK NABARVIT

PLEASE, CHECK THE LATEST VERSION OF THE INSTRUCTIONS ON www.eduard.com



-Parts not for use, -Teile werden nicht verwendet, -Pièces à ne pas utiliser, -Tyto dily nepoužívejte při stavbě, - 使用しない部品

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COLOURS * BARVY * FARBEN * PEINTURE * 色

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11111

	GSi Creos (GUNZE)	
Ī	Mr.GOLOR	AQUEOUS
BLACK	C2	H2
FLAT WHITE	C62	HII
FLAT BLACK	C33	H12
RED BROWN	C41	H47
RLM70 BLACK GREEN	C18	H65
RLM74 DARK GRAY	C36	H68
RLM75 GRAY	C37	H69
RLM02 GRAY	C60	H70
TIRE BLACK	C137	H77
CLEAR RED	C47	H90
CLEAR GREEN	C138	H94
LIGHT GREEN	C319	H319

(7)

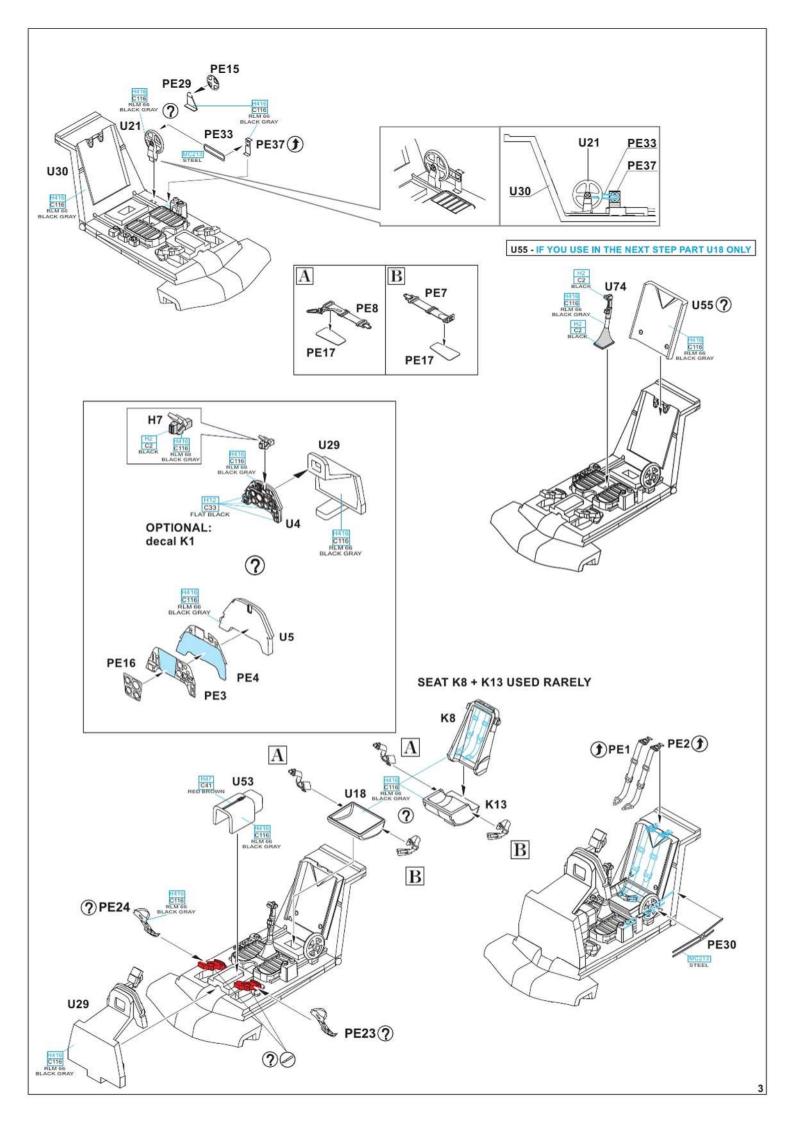
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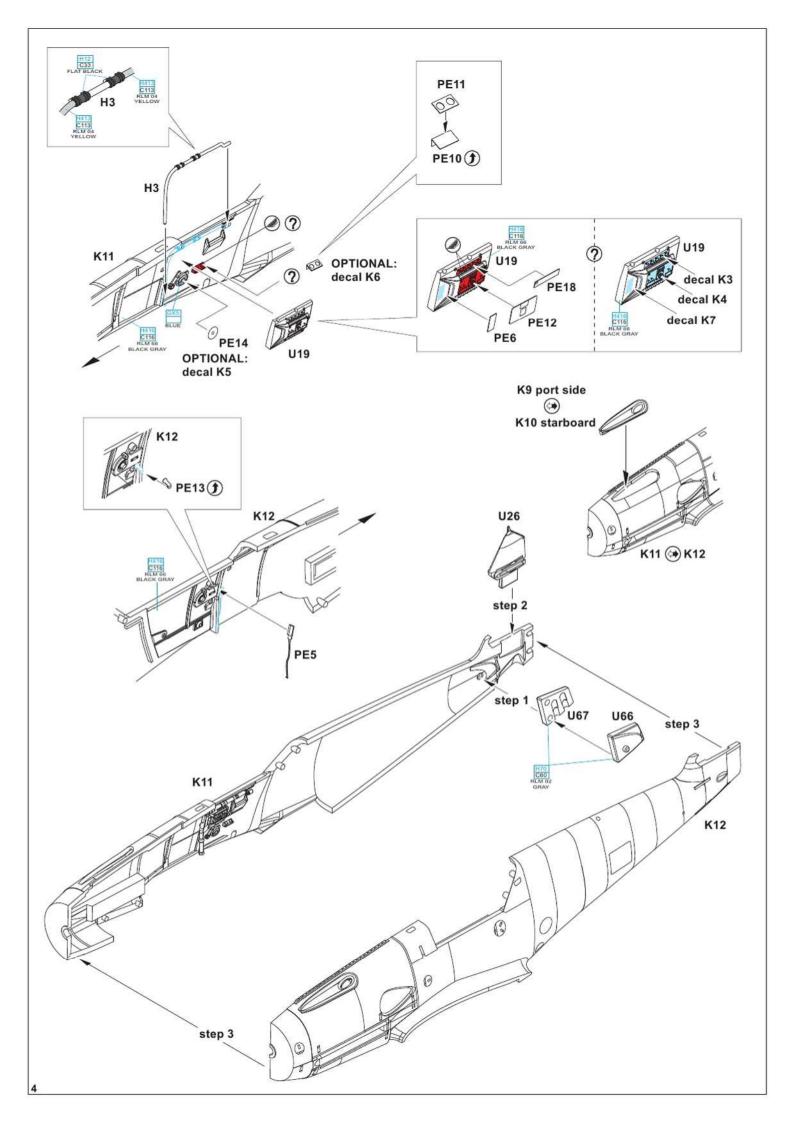
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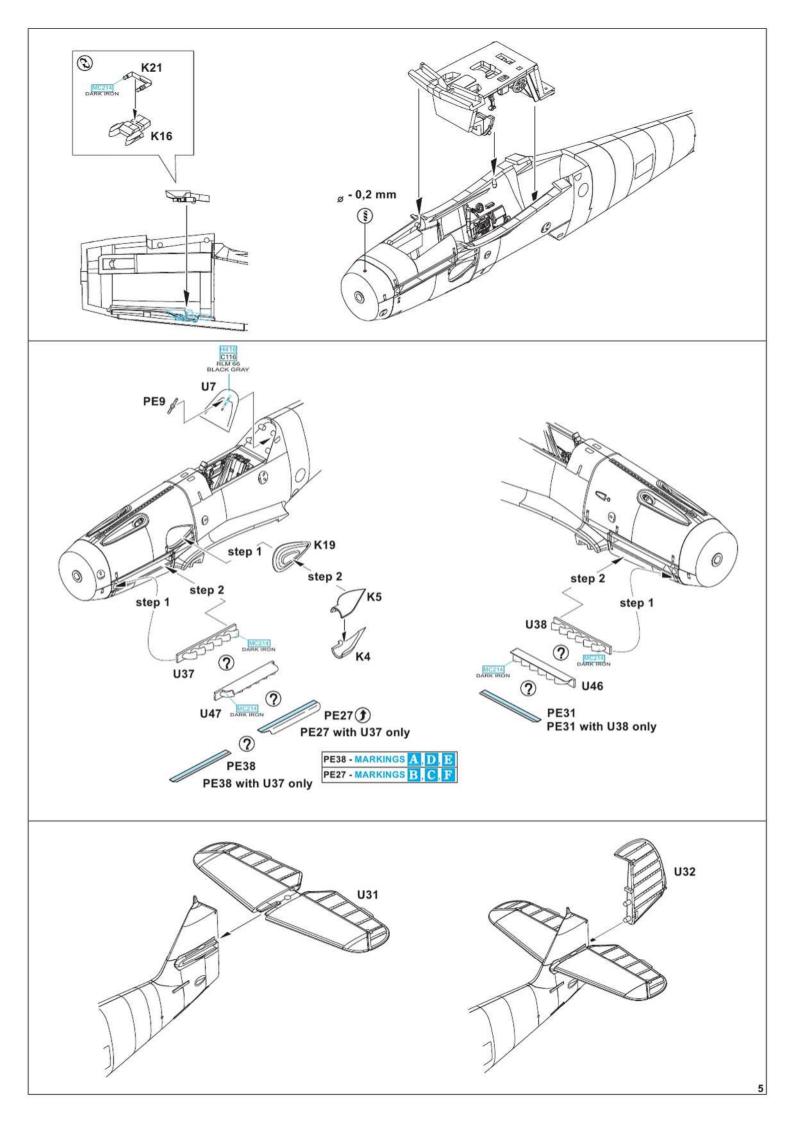
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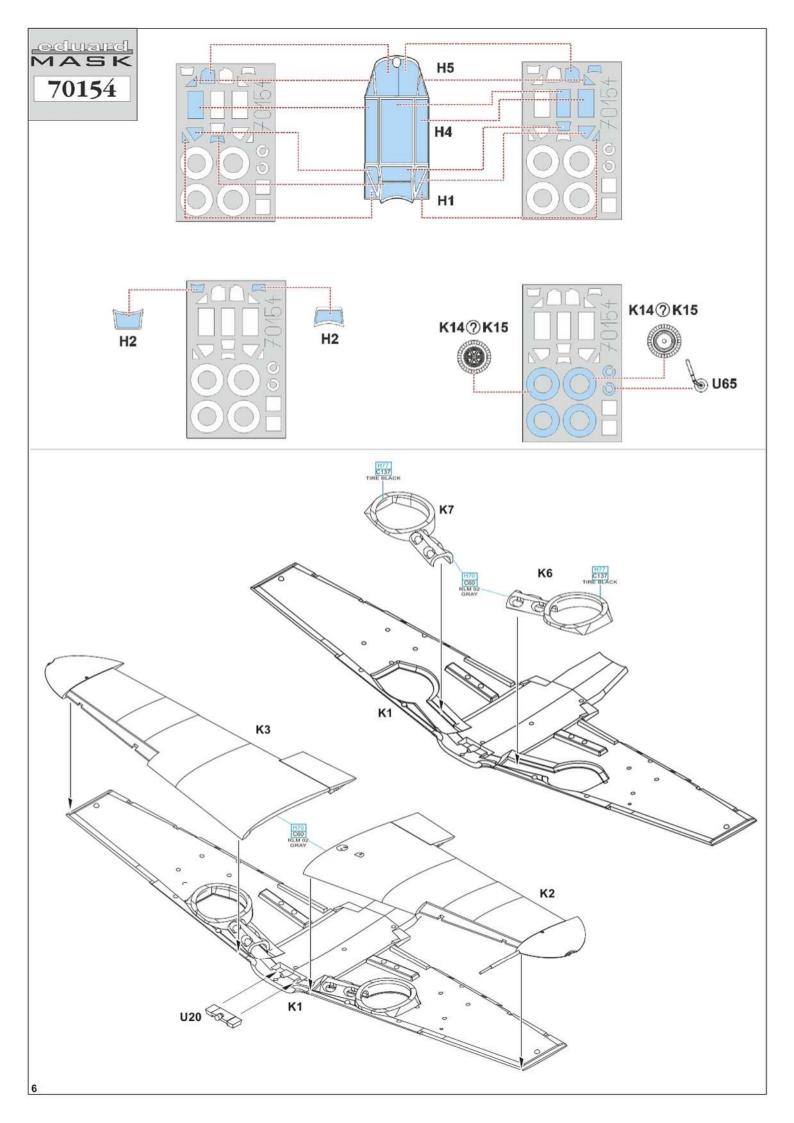
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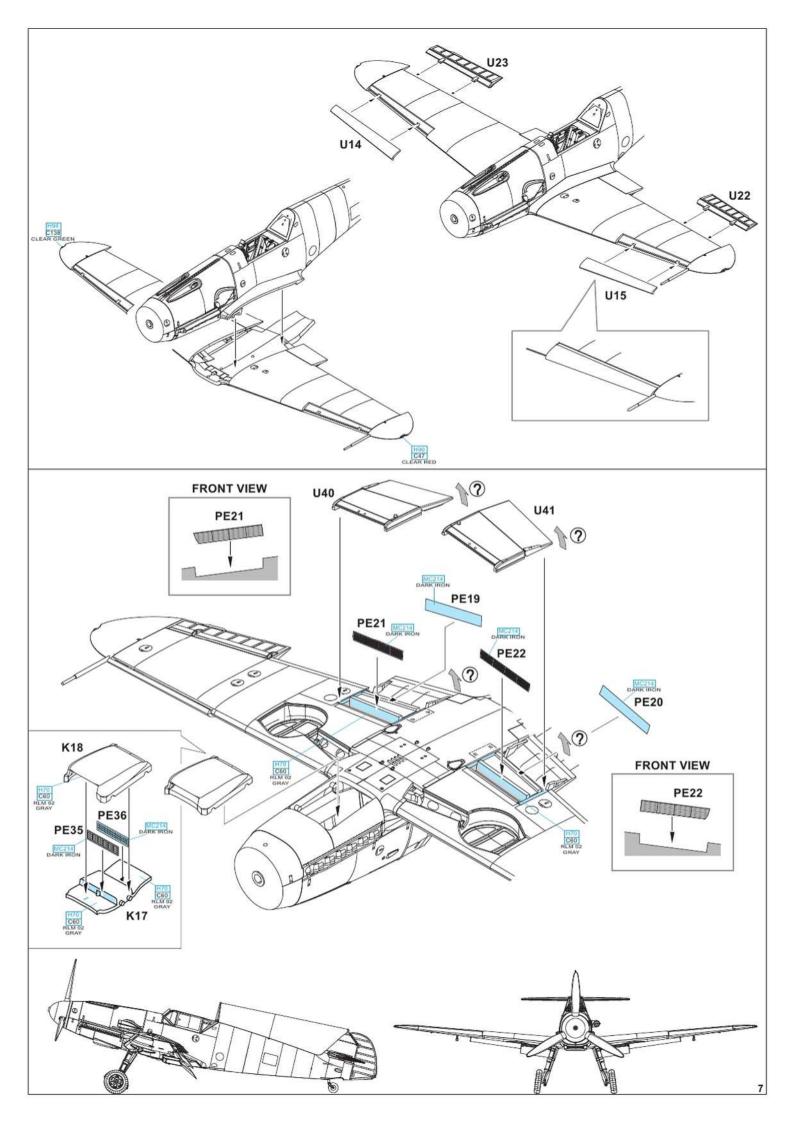
GSi Creos (GUNZE)		
AQUEOUS	Mr.COLOR	
H413	C113	RLM04 YELLOW
H414	C114	RLM23 RED
H416	C116	RLM66 BLACK GRAY
H417	C117	RLM76 LIGHT BLUE
Mr.META	LCOLOR	
MG213		STEEL
MG214		DARK IRON
Mr.COLOR SU	PER METALLIC	
SM201		SUPER FINE SILVER
Mr.COL	OR GX	
GX05		SUSIE BLUE

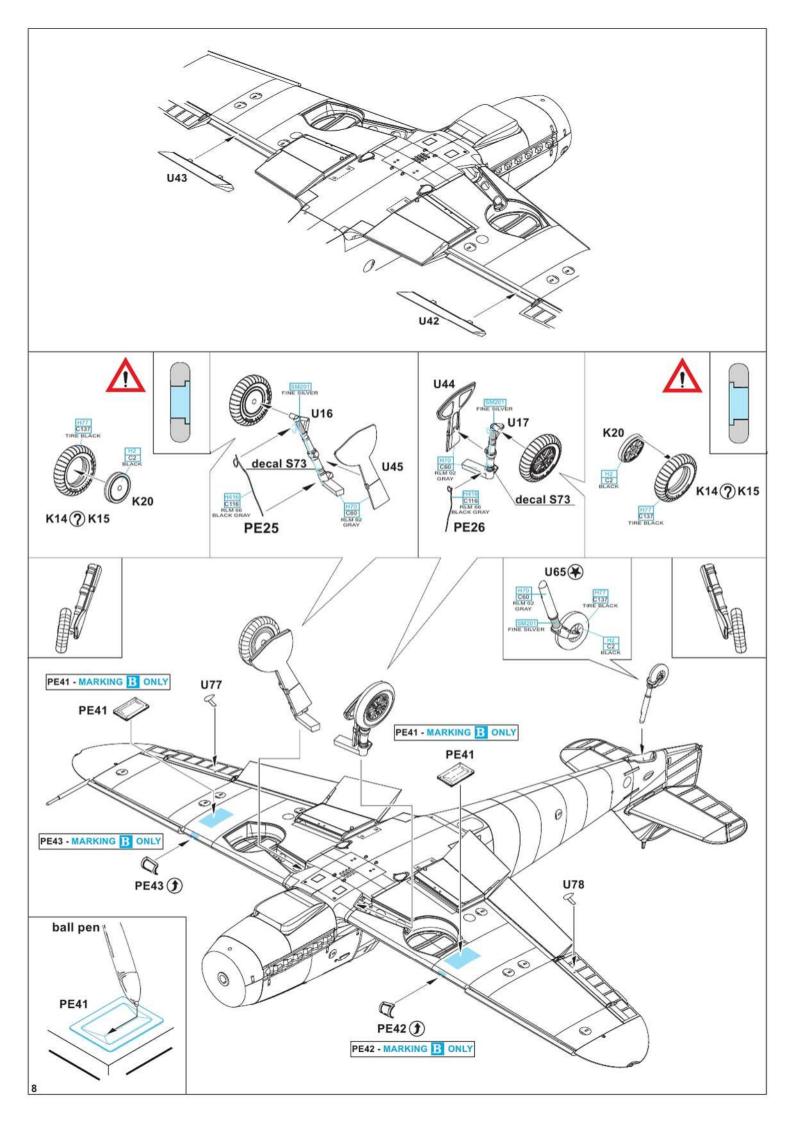


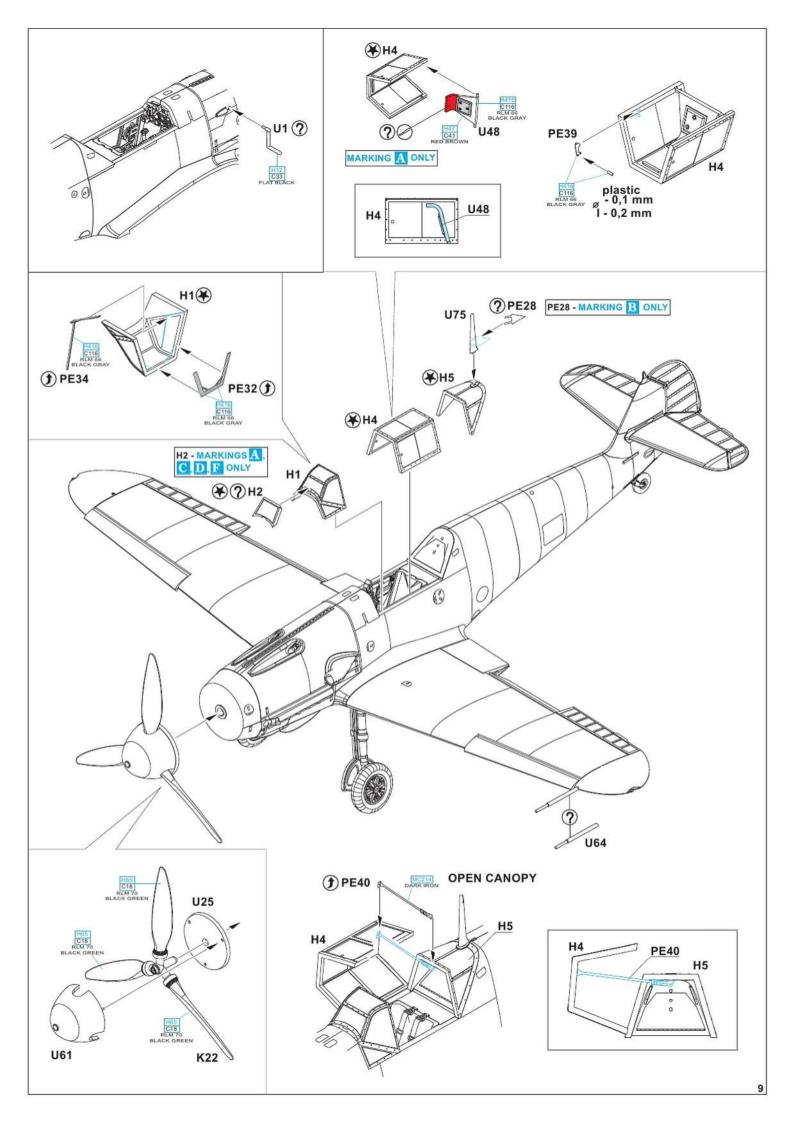






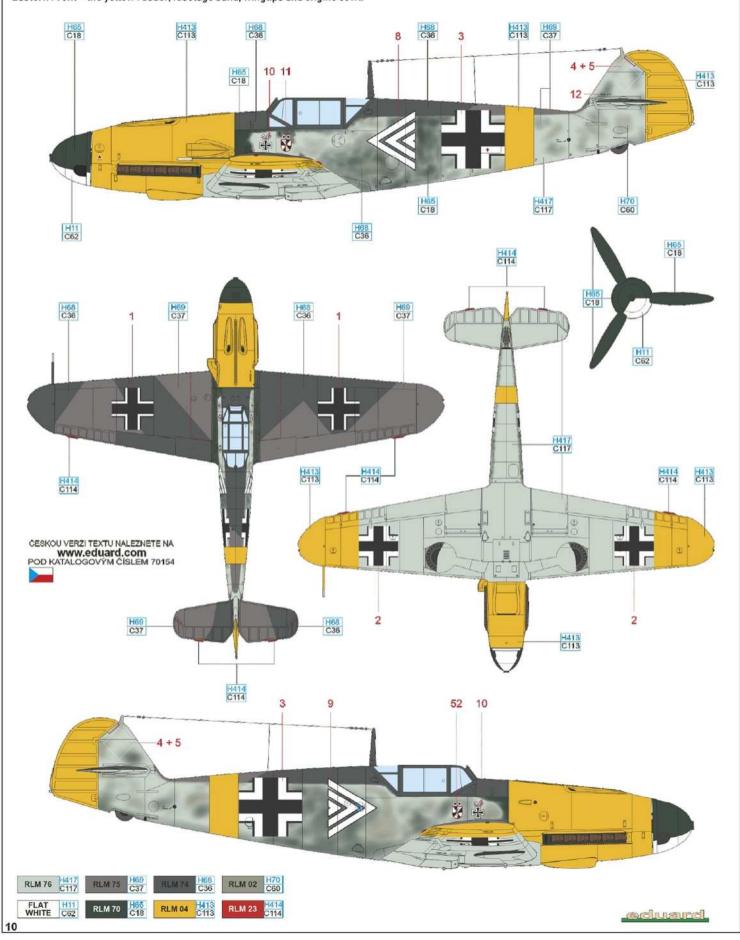






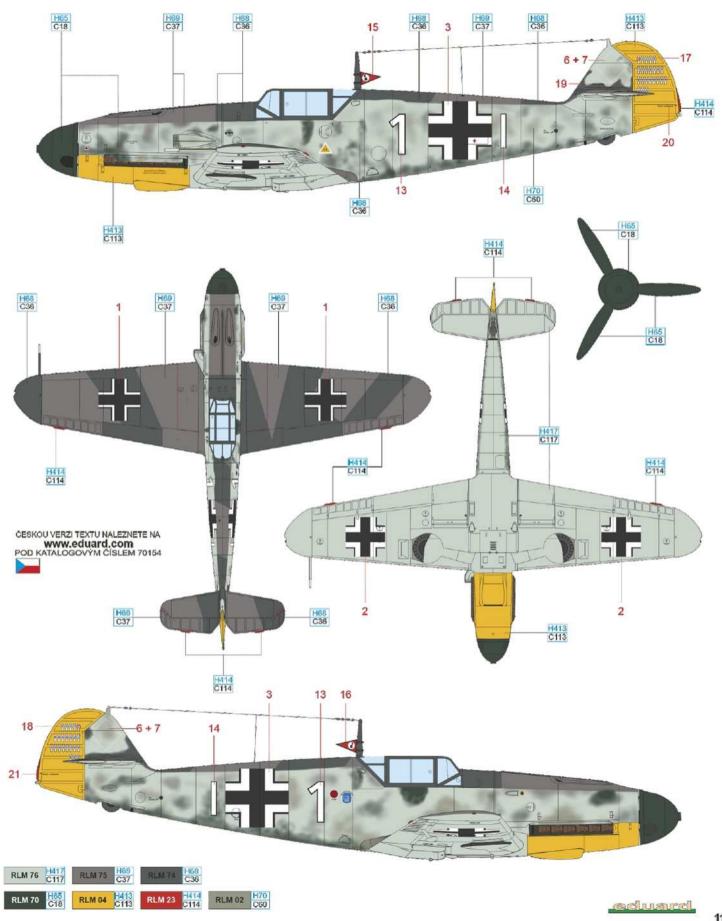
A WNr. 8117, Maj. Günther Lützow, CO of JG 3, Polonnoye, the Soviet Union, Summer 1941

Günther "Franzl" Lützow began his service career in the skies over Spain when, serving in the Legion Condor, he downed five enemy aircraft during the Civil War. His combat victories mounted over the course of the Second World War while serving in the ranks of JG 3, JG 51 and JV 44. He ended up with a total of 110, gained over more than 300 combat flights. His life was ended by Thunderbolts of the 365th FG. The P-47 pilots shot down the Me 262 flown by Lützow, and his damaged Schwalbe crashed into the Danube. For his service, Lützow was awarded the Knight's Cross with Oak Leaves and Swords. This aircraft, wearing the standard scheme composed of RLM 74/75/76 with non-standard Geschwader CO markings, was flown by Günther Lützow in the initial phases of the war against the Soviet Union. The camouflage scheme was supplemented by the usual quick recognition markings carried on the Eastern Front – the yellow rudder, fuselage band, wingtips and engine cowl.



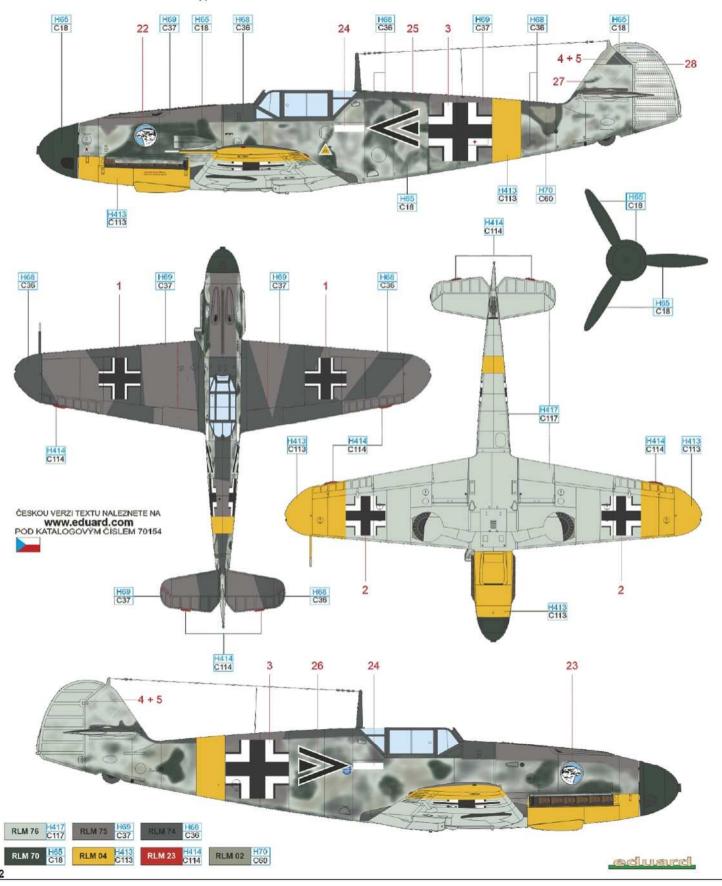
WNr. 6720, Oblt. Egon Mayer, CO of 7./JG 2, St. Pol-Brias, France, September 1941

Egon Mayer fought the entire Second World War as a member of the famous JG 2. He began his career as a fighter pilot at the end of 1939 in the Battle of France, continued in the Battle of Britain, and later fought over occupied France until March 2, 1944, when he was shot down by Thunderbolts of the 358th FS while on an escort mission near Montmedy in France. Over the course of 353 combat flights, he achieved 102 victories, all of them at the Western front. He was posthumously awarded the Knight's Cross with Oak Leaves and Swords. The depicted aircraft was flown by Egon Mayer over the second half of 1941 during the defense of occupied French territory against British aerial attacks. This "Friedrich" was painted in RLM 74/75/76, typical for Luftwaffe fighters of the time. With this aircraft Mayer achieved one victory over a Spitfire on September 20, 1941, but he had to belly-land it at Arques due to the damage sustained in combat.



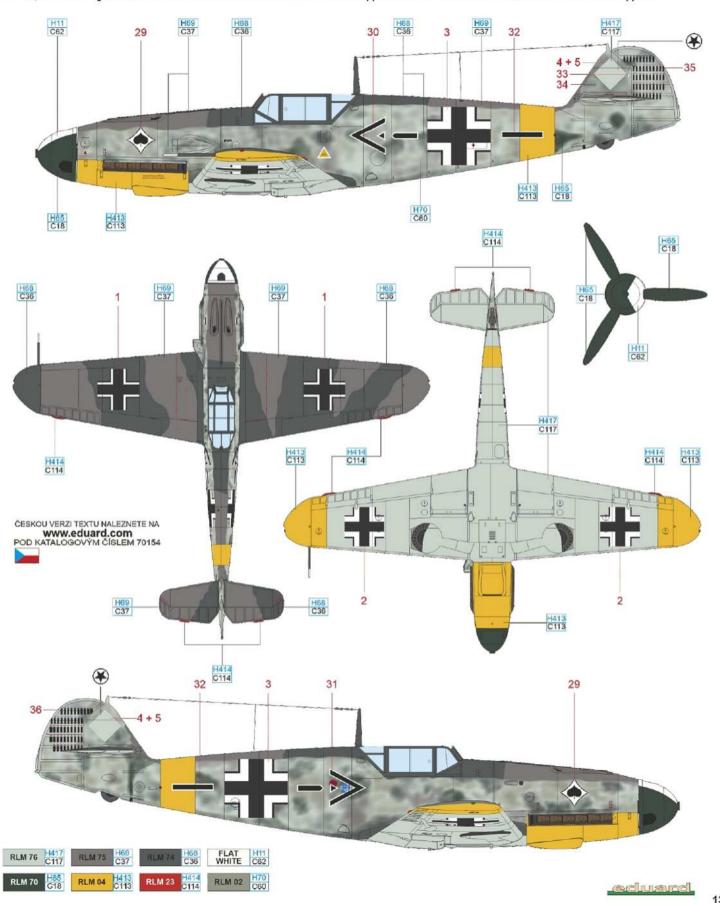
C WNr. 6797, Hptm. Hartmann Grasser, CO of II./JG 51, Orel-North, the Soviet Union, Autumn 1942

Hartmann Grasser was born on August 23, 1914, in Graz, Austria. For political reasons he left in 1934 to live in Germany and joined the Luftwaffe in 1936. At the beginning of the war in Poland he flew with 3./JGr 152 (3./ZG 2). In mid-September 1939, the unit was moved to the French border and there he shot down a French observation balloon. He shot down his first enemy aircraft, a French Curtiss H75, on September 24, 1939. In the fighting over France and in the Battle of Britain he shot down six more opponents and was assigned to the staff of JG 51 in October 1940. On the first day of Operation Barbarossa, he shot down a Tupolev SB-2 and in the following months the number of Soviet aircraft shot down by him increased. Grasser then became commander of 5./JG 51 in August and the next month he was awarded the Knight's Cross and took command of II./JG 51. After he achieved his 45th kill on January 24, 1942, he was shot down in combat himself and seriously wounded in the eye. He was treated until May 1942 and scored his 50th kill on May 21. In November 1942 he was transferred with II./JG 51 to Tunisia. At that time, he had 92 kills on his account and added 11 more till the end of the war, as he served in senior staff positions from June 1943. After the war he was a prisoner of war in the USSR until 1949. His Eastern Front aircraft was camouflaged by RLM 74/75/76 shades. On the nose, there was the emblem of JG 51, staff markings and identification elements of the Eastern Front. On the left side of the rudder the kill marks were applied.



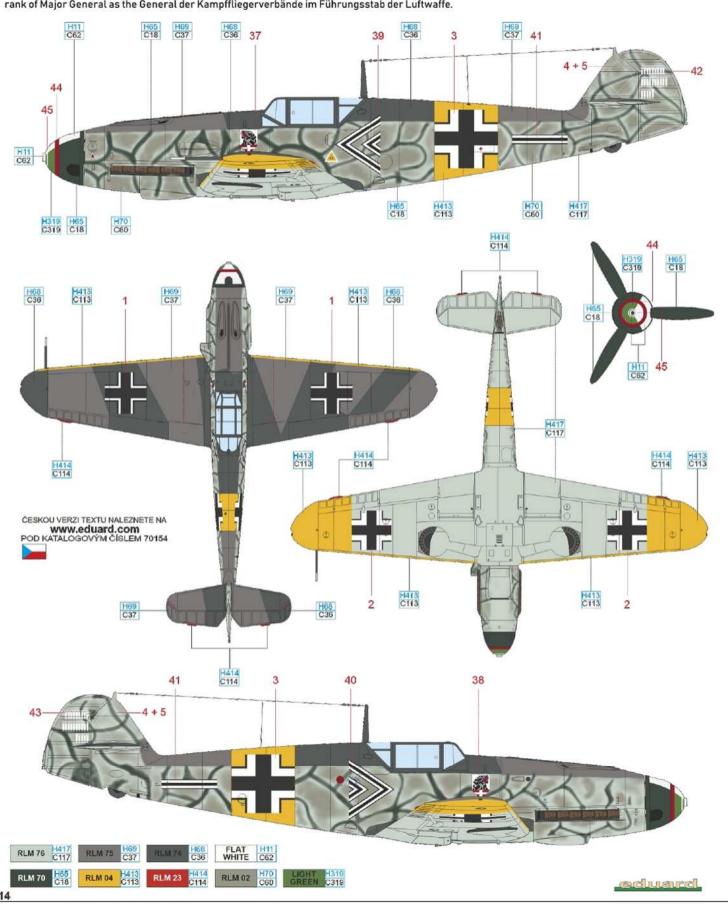
WNr. 8326, Maj. Günther von Maltzahn, CO of JG 53, Bila Tserkva, the Soviet Union, July 1941

Günther "Henri" von Maltzahn was born on October 20, 1910 in Wodarg, Pomerania. He started his military career in 1931 as a member of a cavalry regiment. In 1935 he was transferred to the Luftwaffe. At the beginning of the war he was in command of II./JG 53 at the rank of Hauptmann. After achieving ten victories, he was promoted to Major and appointed as Kommodore of JG 53 in October 1940. At the end of the year, he was awarded the Knight's Cross. After the attack on the USSR, he achieved his 42nd victory on July 24, 1941 and received the Oak Leaves to the Knight's Cross. From the autumn of 1941 until June 1943, he led Geschwader in the Mediterranean. During aerial combat over Malta, he was shot down off Valletta on May 11, 1942 and was rescued from the sea by the crew of Dornier Do 24. In total, he achieved 68 victories. He had to relinquish command of JG 53 after he contracted malaria and served in senior staff positions in Italy and Germany until the end of the war. He was one of the Luftwaffe's most prominent figures and did not hesitate to be publicly critical of the German command. He died in Düsseldorf in June 1953. His aircraft was camouflaged by RLM 74/75/76 shades. On the nose the emblem of JG 53, staff markings and identification elements of the Eastern Front were applied. On both sides of the rudder the kill marks were applied.



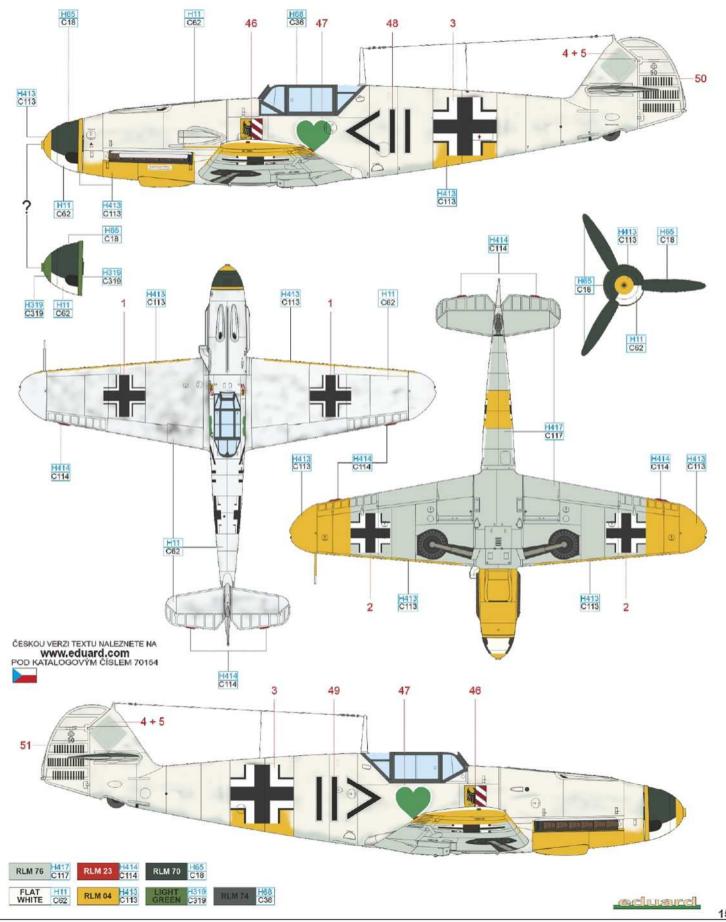
Hptm. Dietrich Hrabak, CO of II./JG 54, Ostrov, the Soviet Union, July 1941

Dietrich Adolf "Dieter" Hrabak was born on December 19, 1914, in Gross-Deuben near Leipzig. He originally served in the navy and joined the Luftwaffe in 1935. At the beginning of the war he commanded 1./JG 76 and was shot down during the Polish campaign on September 3, 1939, but escaped capture. He achieved his first aerial victory on May 13, 1940, when he shot down a French twin-engine reconnaissance Potez 630. In total, he scored six kills in the French campaign. In the Battle of Britain, as the commander of II./JG 54, he scored 10 kills and was awarded the Knight's Cross in October 1940. He flew on the Eastern Front from the first day of the attack on the USSR. This aircraft dates from this period and was camouflaged with RLM 74/75/76 shades, darkened on the sides with RLM 02 patches and RLM 70 stripes. On both sides of the rudder kill marks were painted. Hrabak was appointed Kommodore of JG 52 fighting in the southern part of the Eastern Front in November 1942 and achieved his 100th victory on August 2, 1943. He was awarded the Oak Leaves Cluster in November. In October 1944 he became Kommodore of JG 54 and at the end of the war he managed to evacuate a significant part of this unit from Kuronsk in the Baltic. In total, he achieved 125 victories. After the war he participated in the formation of the Bundeswehr and retired in 1970 in the rank of Major General as the General der Kampffliegerverbände im Führungsstab der Luftwaffe.



Hptm. Hans Philipp, CO of I./JG 54, Krasnogvardeysk, the Soviet Union, March 1942

Hans "Fips" Philipp, an ace with 206 kills to his credit over the course of some 500 sorties, was born on March 17, 1917, in Meissen. He joined the Luftwaffe in 1936. At the beginning of the Second World War, he served with I./JG 76, redesignated II./JG 54 in July 1940. As a member of this unit, he participated in the fighting over Britain and the Balkans. He also took part in Operation Barbarossa and was appointed CO of JG 1 in April 1943. For his combat success he was awarded the Knight's Cross with Oak Leaves and Swords. Philipp was shot down on October 8, 1943, and did not survive his attempt to bail out. The aircraft flown by Hans Philipp was camouflaged with white color over the upper and side surfaces to better suit the conditions of the winter of 1942 in the vicinity of Leningrad. The Group Commander marking was carried on the fuselage, as were the II. Gruppe and JG 54 (Green Heart) identifiers. Both sides of the rudder carried kill marks. The landing gear covers were removed due to their tendency to pile up snow.



Bf 109F-2

STENCILING POSITIONS

