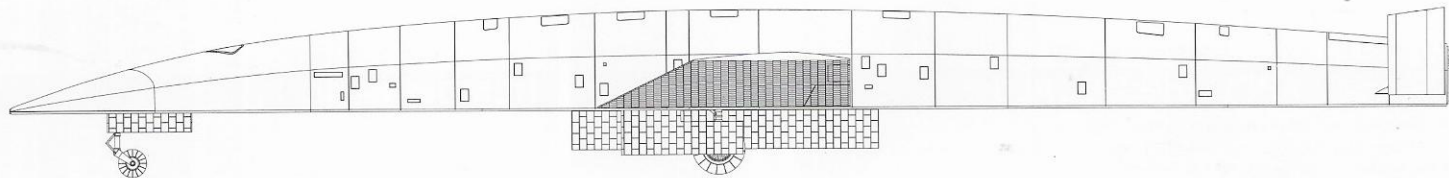


Sänger-Bredt

SILBERVOGEL SUBORBITAL BOMBER 2IN1



Silbervogel or "Silver Bird", was designed by Eugen Sänger and Irene Bredt in the late 1930s as a liquid-propellant rocket-powered sub-orbital bomber to be produced for Nazi Germany in competition for the "Amerika Bomber" concept.

Also known as the RaBo - Raketenbomber or "rocket bomber", the Silbervogel was intended to fly long distances in a series of short hops. The aircraft was to have begun its mission propelled along a 3 km (2 mi) rail track by a large rocket-powered sled to about 1,930 km/h (1,200 mph). Once airborne, it was to fire its own rocket engine and continue to climb to an altitude of 145 km, at which point it would be travelling at about 21,800 km/h (13,500 mph). It would then gradually descend into the stratosphere, where the increasing air density would generate lift against the flat underside of the aircraft, eventually causing it to "bounce" and gain altitude again, where this pattern would be repeated. Because of aerodynamic drag, each bounce would be shallower than the preceding one, but it was still calculated that the Silbervogel would be able to cross the Atlantic, deliver a 4,000 kg (8,800 lb) bomb to the continental United States, and then continue its flight to a landing site somewhere in the Empire of Japan-held Pacific, a total journey of 19,000 to 24,000 km (12,000 to 15,000 mi).

Due to prohibitive costs, the design never went beyond the mock-up wind-tunnel test.

READ BEFORE ASSEMBLY

CAUTION

- Read carefully and fully understand the instructions before commencing assembly. A supervising adult should also read the instructions if a child assembles the model.
- When assembling this kit, tools including knives used. Extra care should be taken to avoid personal injury.
- Keep out of reach of small children. Children must not be allowed to suck any part, or pull vinyl bag over their heads.



Be Careful



Instant Glue for Metal



Optional

PAINTS REQUIRED

Color info and profiles by Mig Jimenez

A.MIG-0231 RLM 65 Hellblau

A.MIG-0232 RLM 71 Dunkelgrün

A.MIG-0204 FS 36118 Medium Gunship Gray

A.MIG-0266 RLM 43 Hellgrau

A.MIG-0046 Matt Black

A.MIG-0049 Red

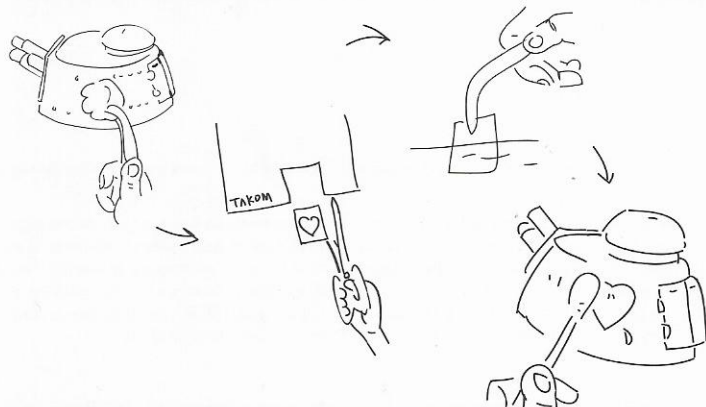
A.MIG-0192 Polished Metal

A.MIG-0217 Green Slate (RLM 02)

A.MIG-0252 RLM 70 Schwartzgrün

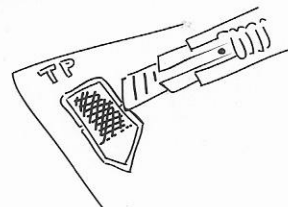
APPLYING DECALS

1. Clean the model surface with a wet cloth.
2. Cut out each decal design from sheet, and dip it in tepid water for 15~20 sec.
3. Hold the backing sheet edge and slide decal onto the model.
4. Move decal into position by wetting decal with finger.
5. Press decal gently down with a soft cloth until excess water and air bubbles are gone.

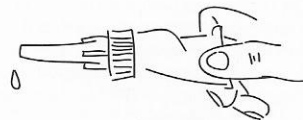


REMOVING PE

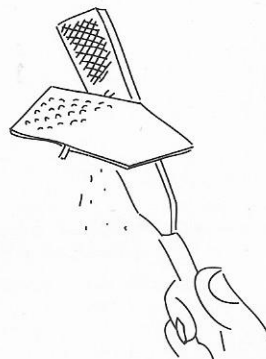
Be careful not to hurt when removing PE parts.



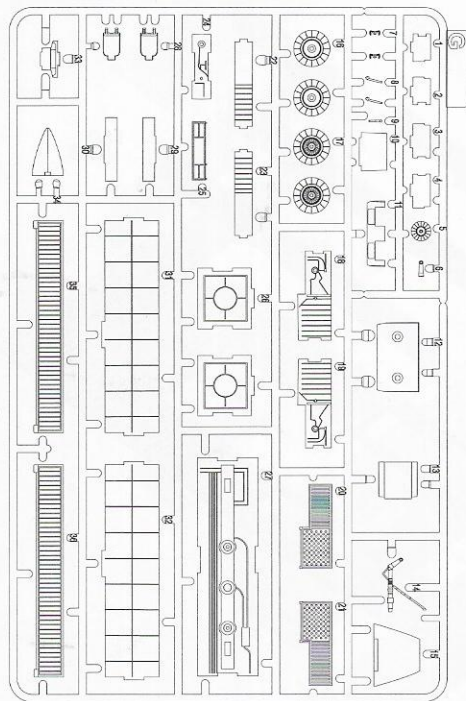
Secure using instant glue (not included).



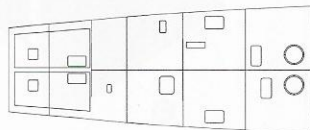
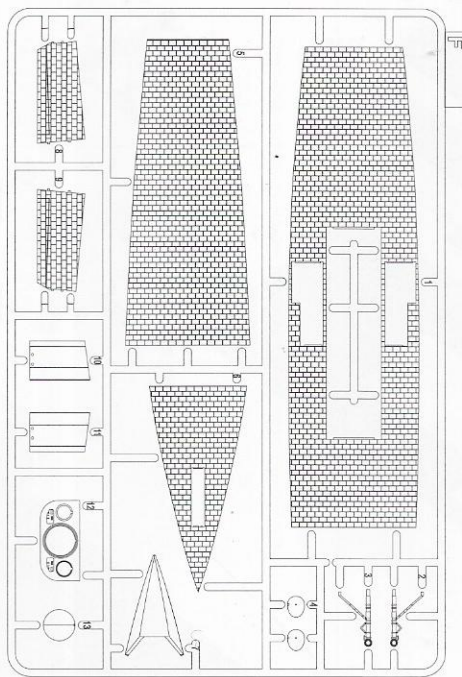
Finish using file.



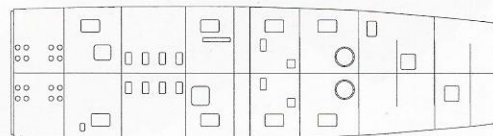
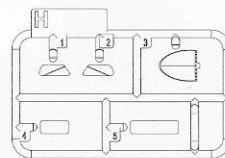
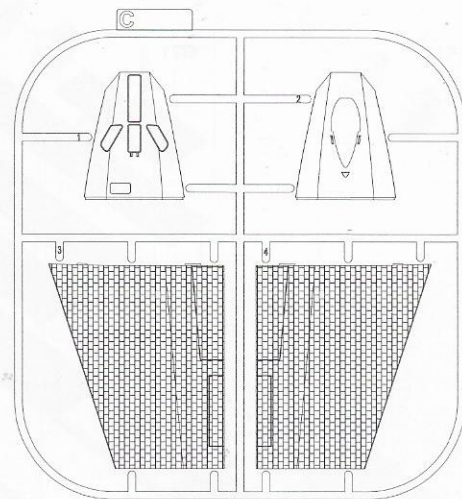
PARTS



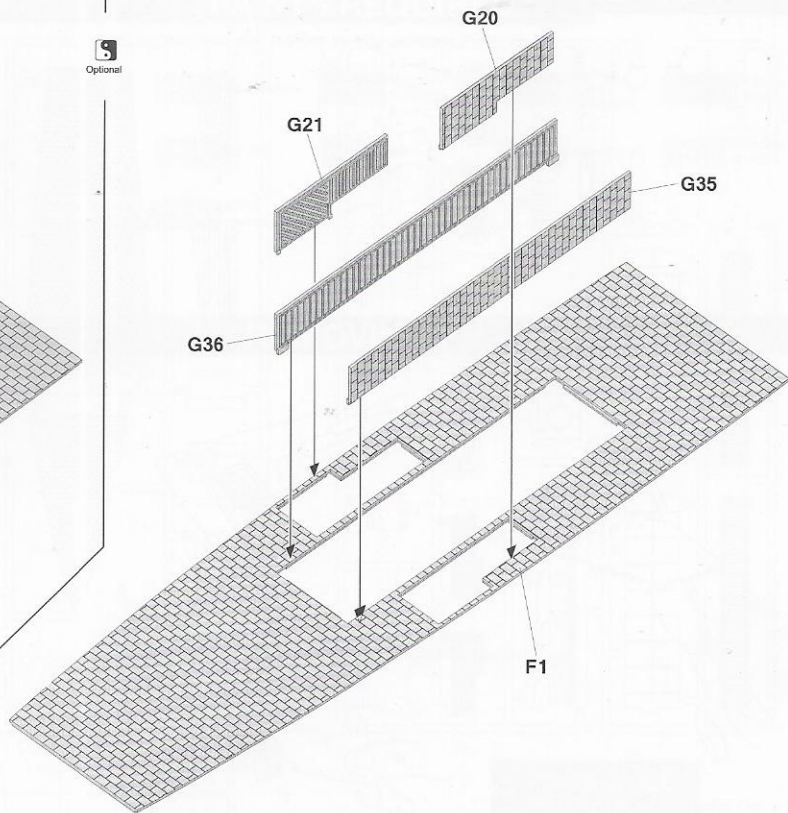
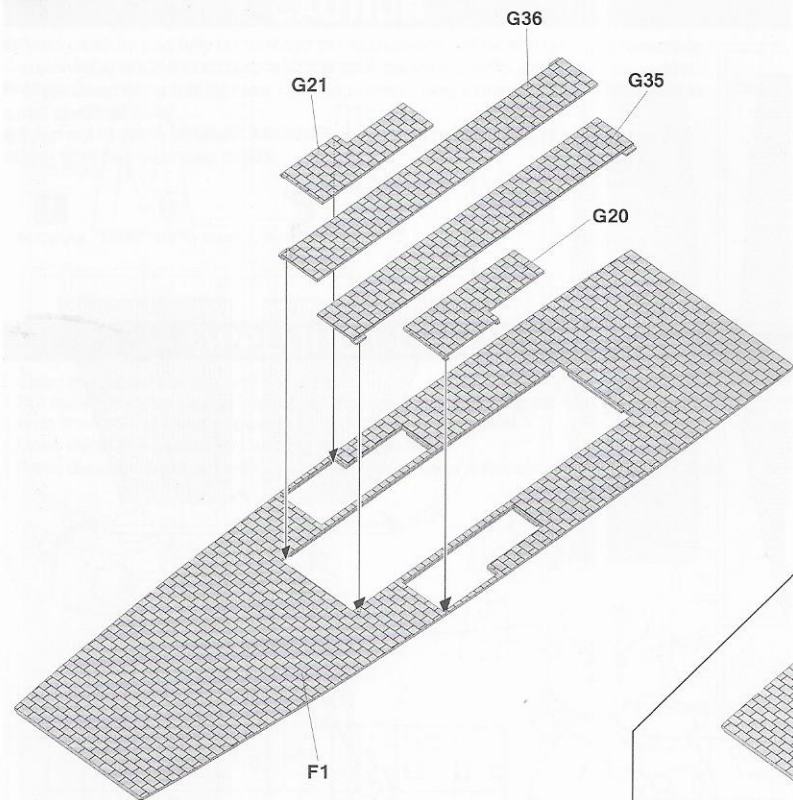
Decal



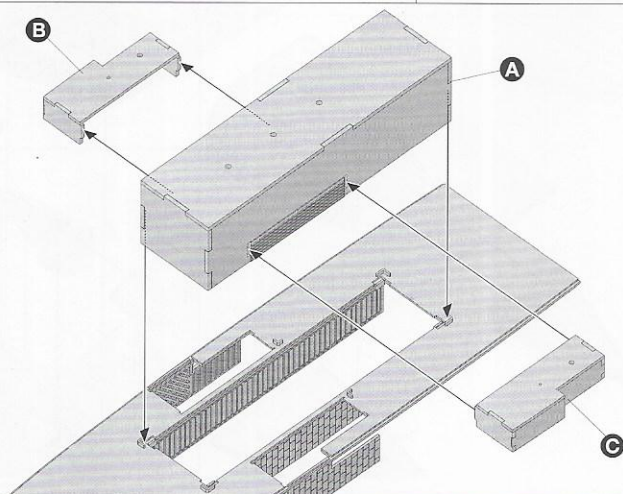
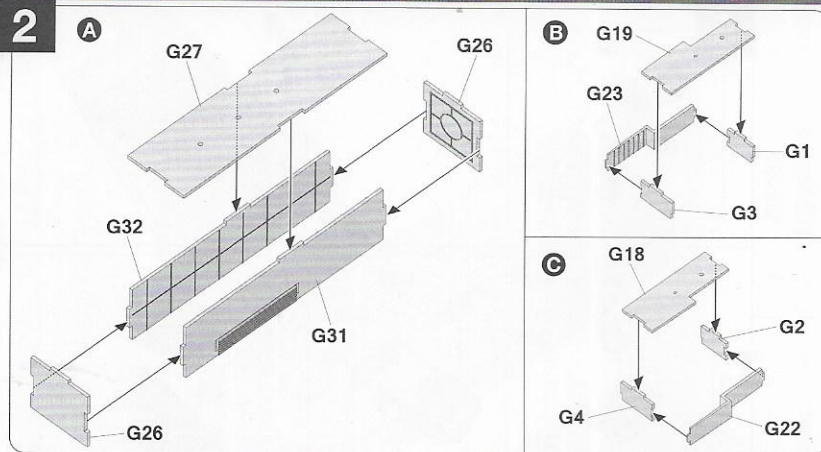
A



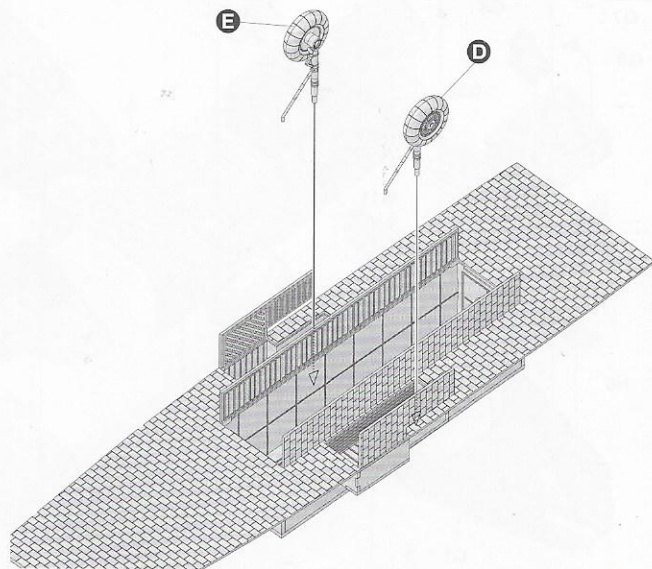
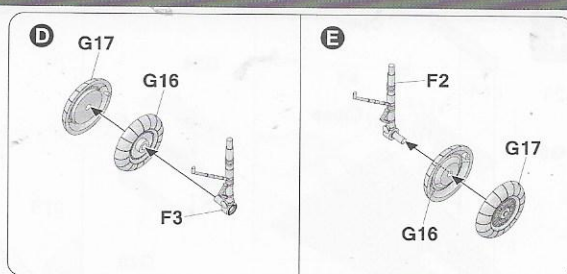
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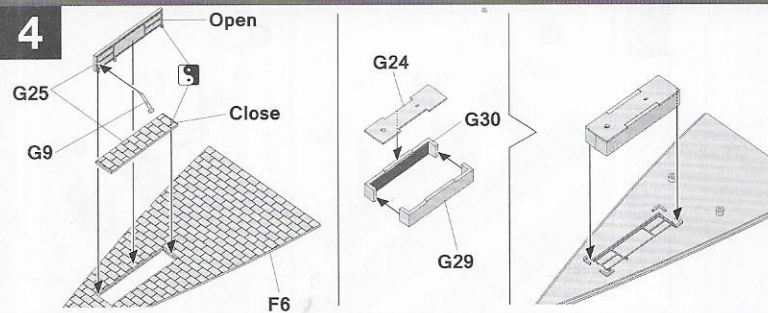
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3



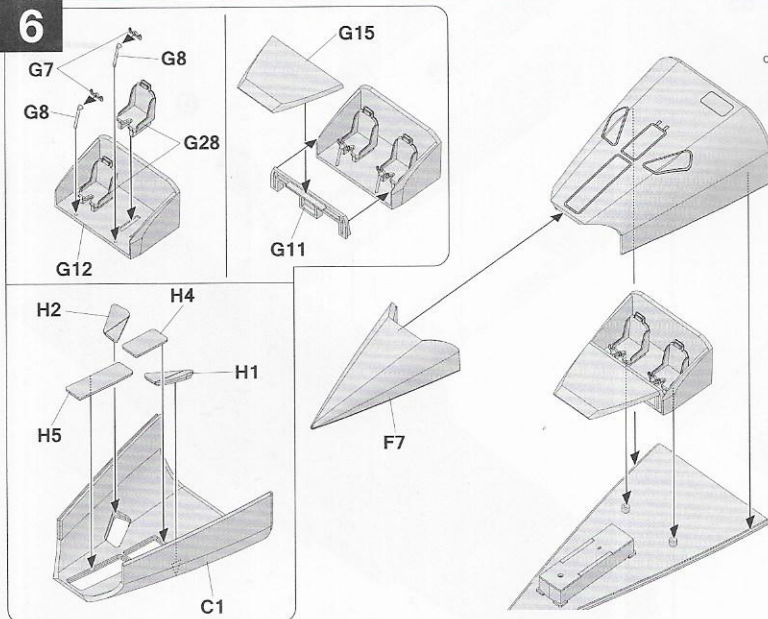
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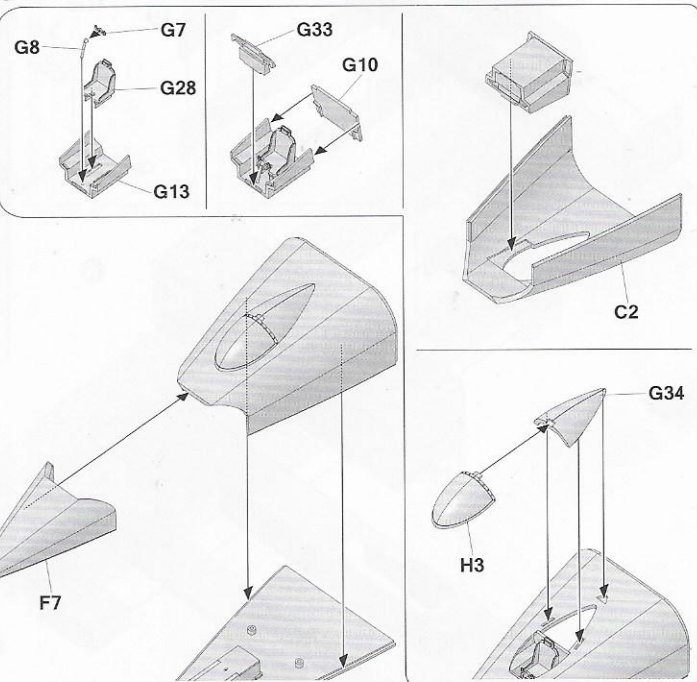
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6

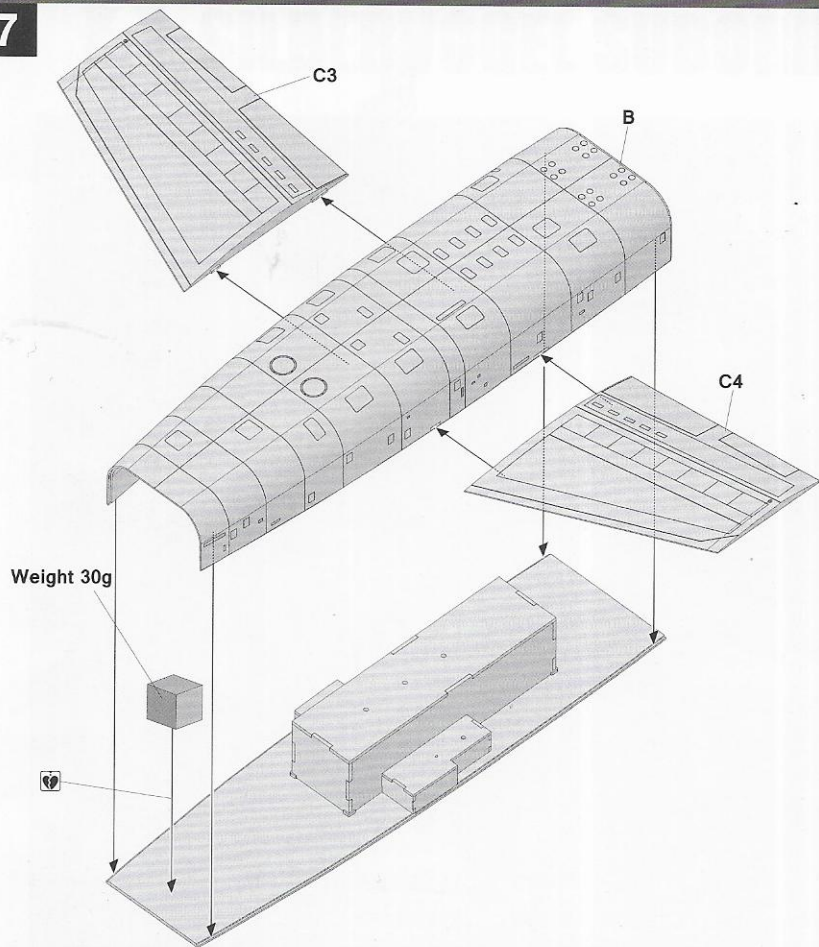


Optional

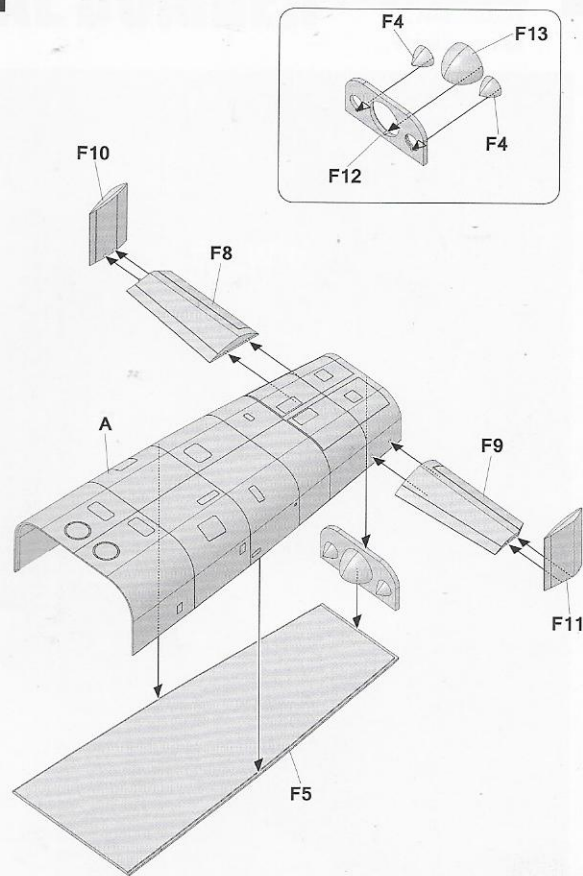


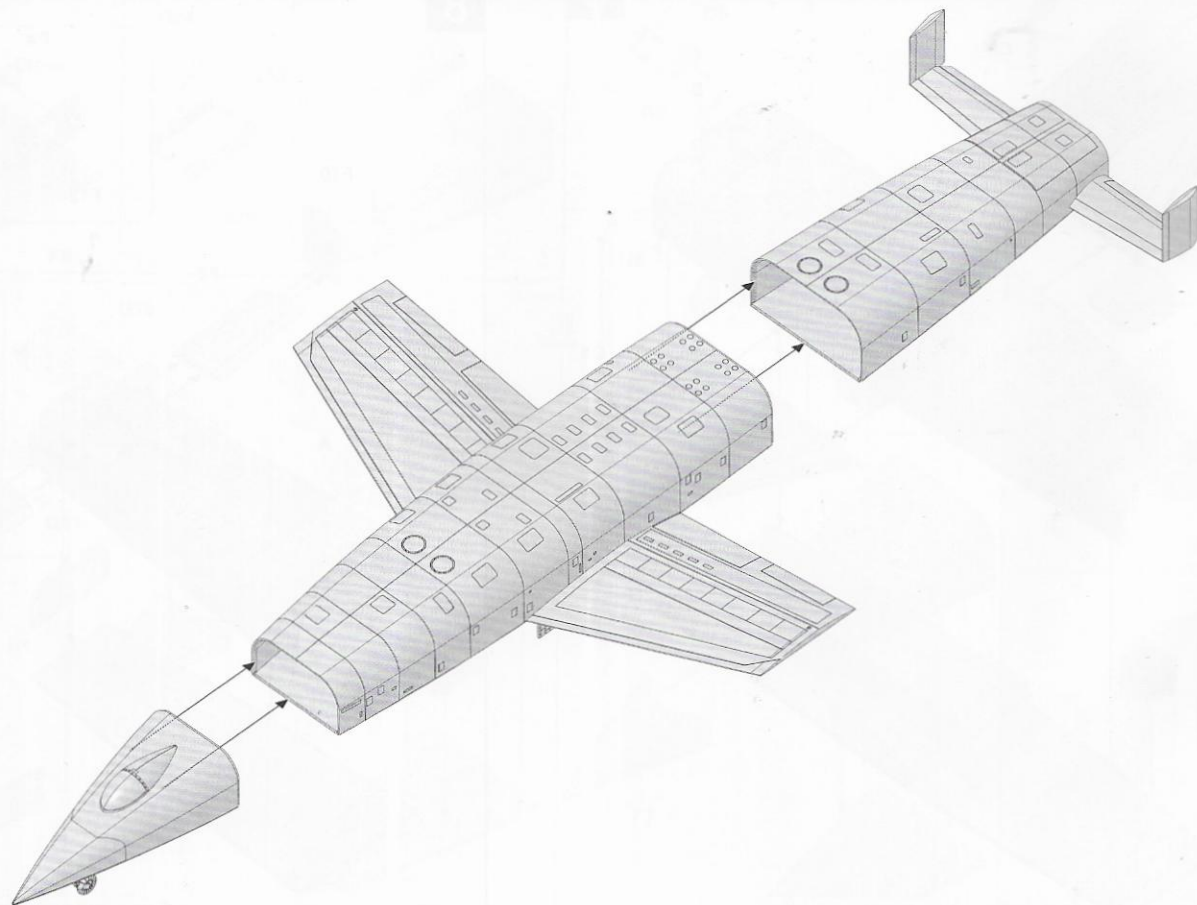
5

7



8





03.03.5017



SILBERVOGEL SUBORBITAL BOMBER



by MIG Jimenez

www.ammo.es

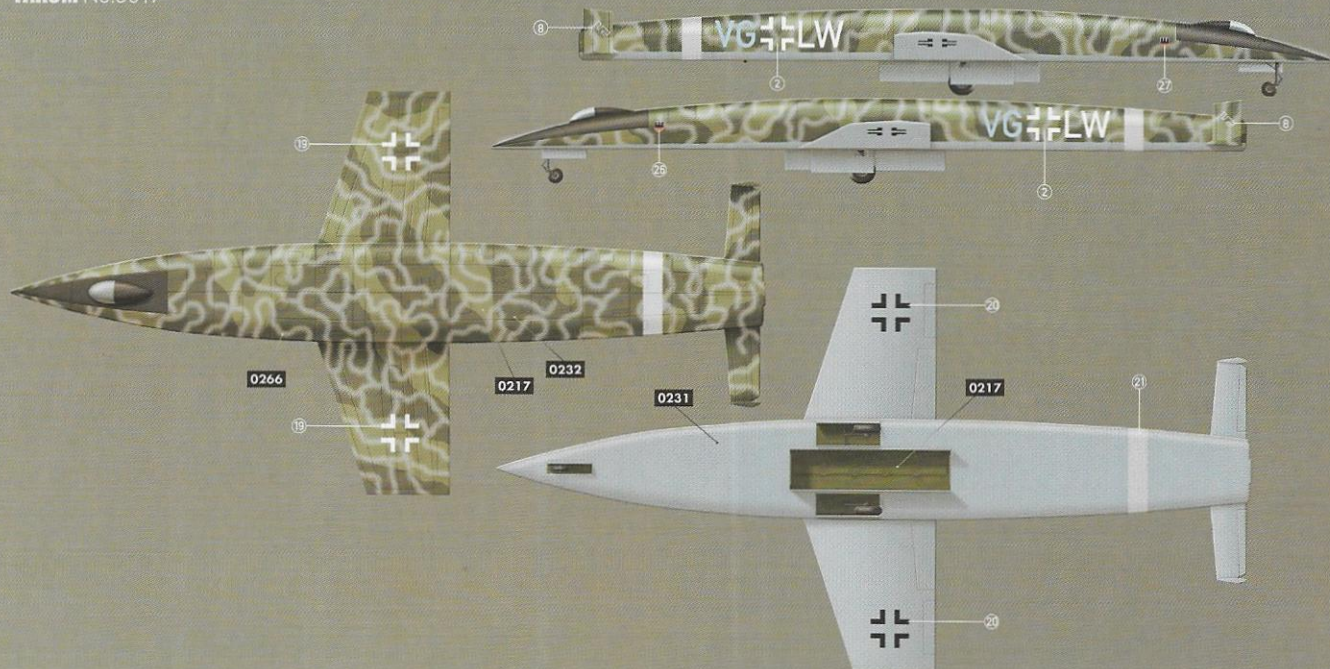
Painting and Marking Guide

TAKOM No.5017

A.MIG-0217 Green Shade
RLM 023

A.MIG-0231 RLM05 Hellblau

A.MIG-0232 RLM71 Dunkelgrün

A.MIG-0255 RLM 03
Hellgrau

WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT

A.MIG-0218 RLM 06 Schwartzgrau

2 INTERIOR WASH

A.MIG-1008 Dark Wash

3 PLW RLM05

A.MIG-1613 Panel Line Wash Blue Grey

4 PLW RLM02

A.MIG-1618 Panel Line Wash Deep Brown

5 PLW RLM71

A.MIG-1612 Panel Line Wash Green Brown

6 SHADERS RLM05

A.MIG-0861 Marine Blue Shading

7 SHADERS RLM02

A.MIG-0858 Ash Black Shading

8 SHADERS RLM71

A.MIG-0866 Dark Green Shading

9 PIGMENTS

A.MIG-2014 Russian Earth

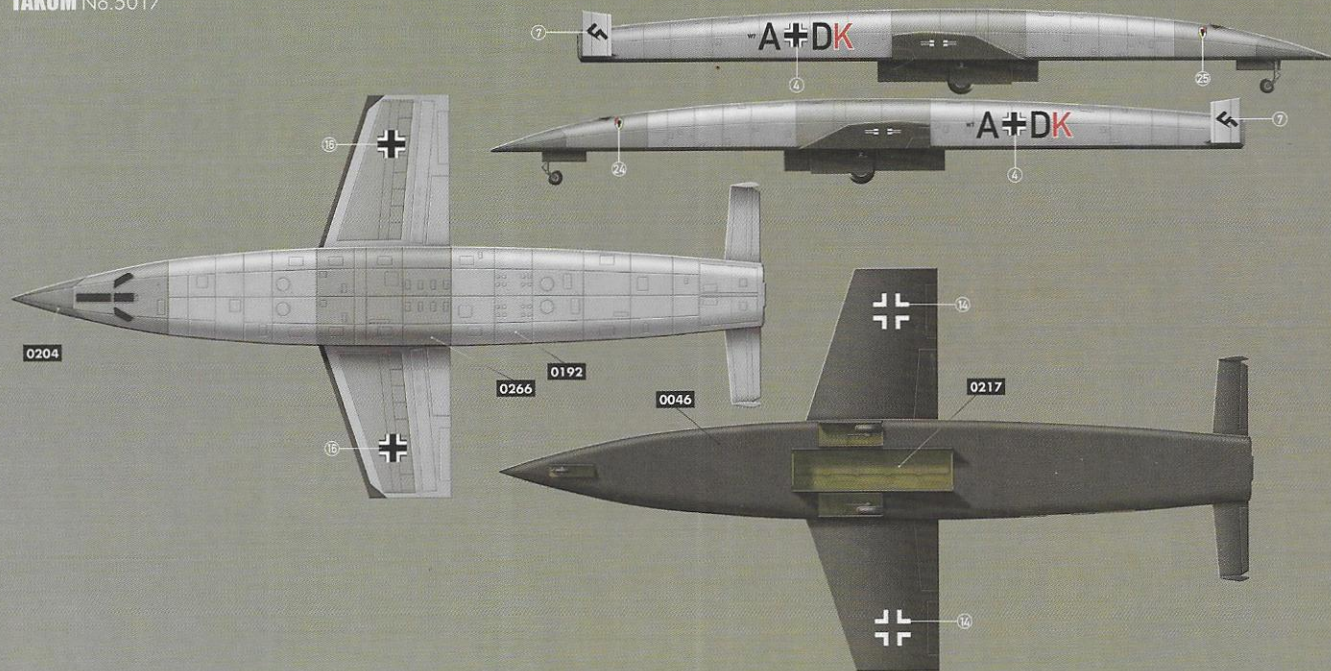
10 FUEL STAINS

A.MIG-1253 Streaking/brushed Oxide

SILBERVOGEL SUBORBITAL BOMBER

Painting and Marking Guide

TAKOM No.5017



WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT

A.MIG-0218 RLM 66 Schwartzgrau

2 INTERIOR WASH

A.MIG-1008 Dark Wash

3 PLW RLM63

A.MIG-1602 Panel Line Wash Deep Grey

4 METAL

A.MIG-1617 Panel Line Wash Blue Black

5 BLACK

A.MIG-1615 Panel Line Wash Stone Grey For Black

6 SHADERS RLM63

A.MIG-0857 Navy Grey Shader

7 SHADERS METAL

A.MIG-0855 Starship Fifth Shader

8 PIGMENTS

A.MIG-3011 Airfield Dust

9 FUEL STAINS

A.MIG-1253 Streaking/rudder Grime

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SILBERVOGEL SUBORBITAL BOMBER

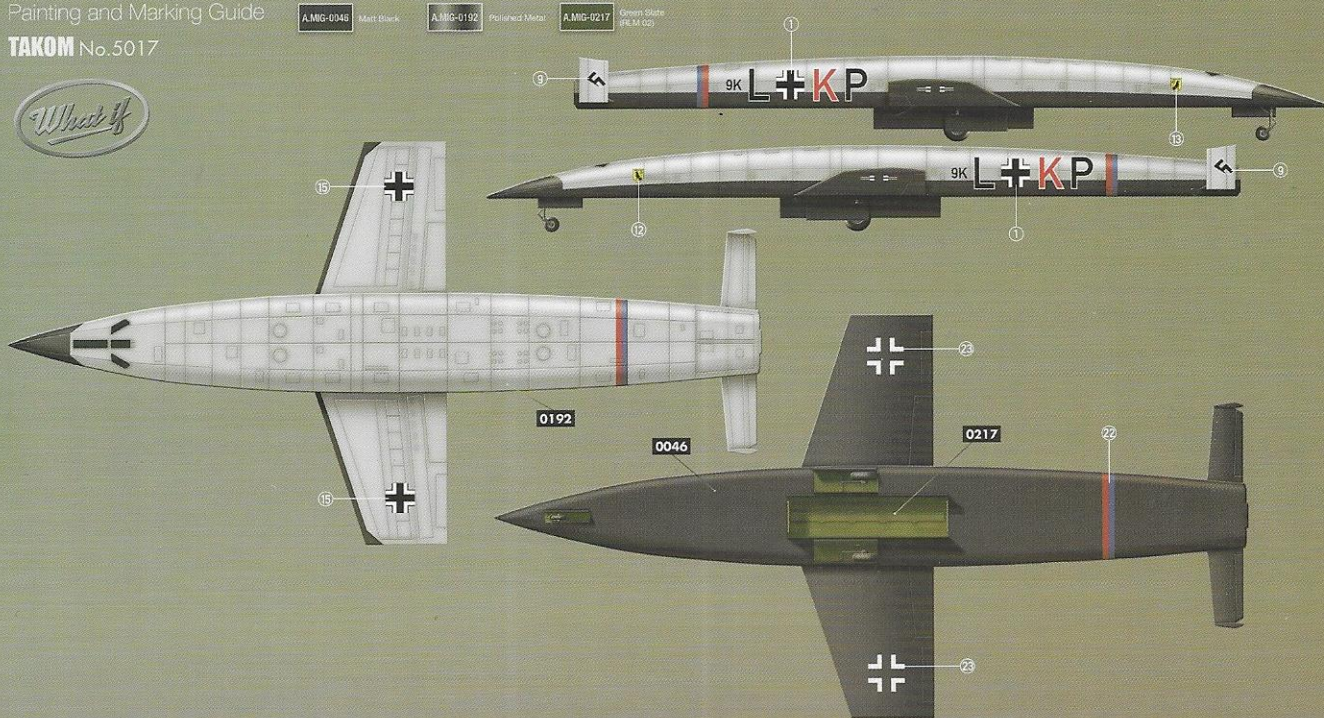


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WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT

A.MIG-0218 RLM 66 Schwartzgrau

2 INTERIOR WASH

A.MIG-1008 Dark Wash

3 METAL

A.MIG-1617 Panel Line Wash
Blue Black

4 BLACK

A.MIG-1616 Panel Line Wash Stone
Grey For Black

5 SHADERS METAL

A.MIG-0855 Starship Filth Shader

6 PIGMENTS

A.MIG-3011 Airfield Dust

7 FUEL STAINS

A.MIG-1253 Streakingrusher Grime

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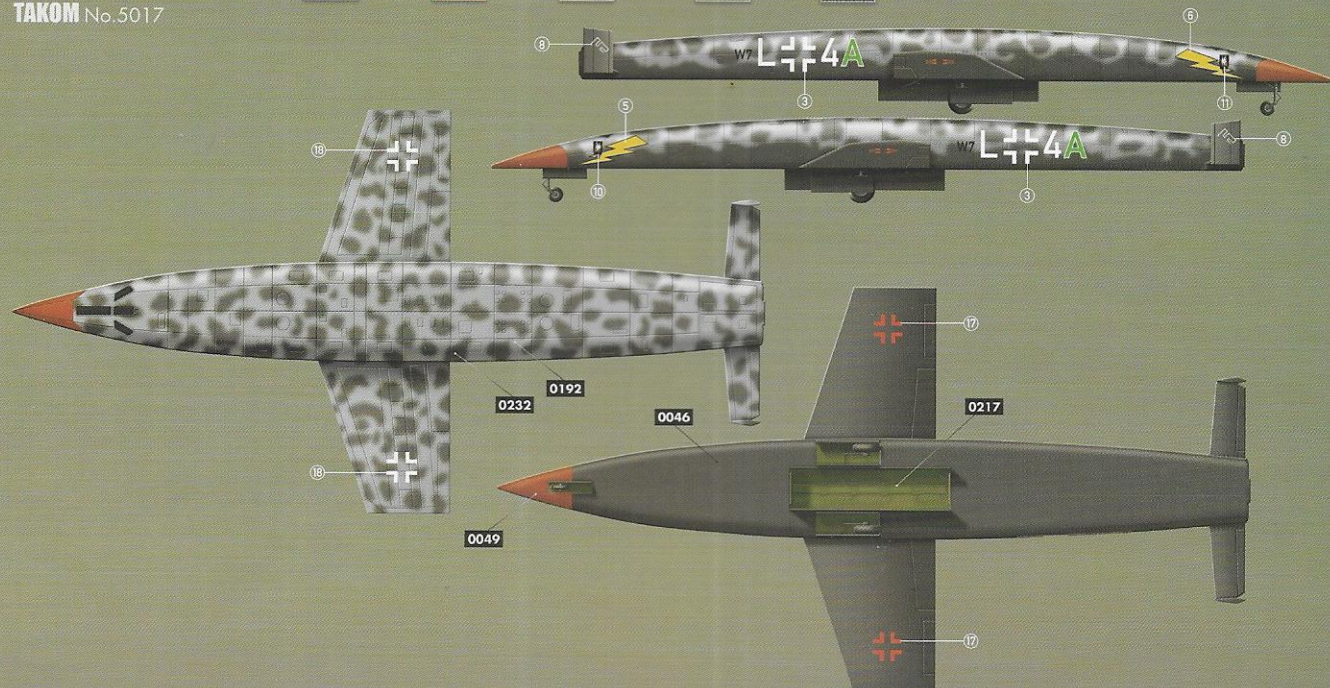
A.MIG-0046 Matt Black

A.MIG-0049 Red

A.MIG-0192 Polished Metal

A.MIG-0217 Green Slate (RLM 02)

A.MIG-0232 RLM 70 Schwartzgrün



WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT

A.MIG-0218 RLM 66 Schwartzgrün

2 INTERIOR WASH

A.MIG-1008 Dark Wash

3 METAL

A.MIG-1617 Panel Line Wash Blue Black

4 PLW RLM70

A.MIG-1618 Panel Line Wash Deep Brown

5 BLACK

A.MIG-1615 Panel Line Wash Stone Grey For Black

6 SHADERS METAL

A.MIG-0855 Starship Fifth Shader

7 Shaders RLM70

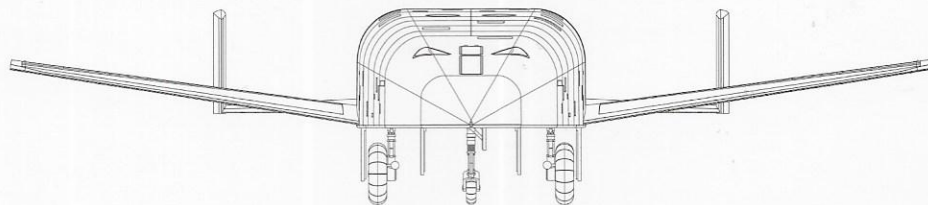
A.MIG-0858 Ash Black Shader

8 PIGMENTS

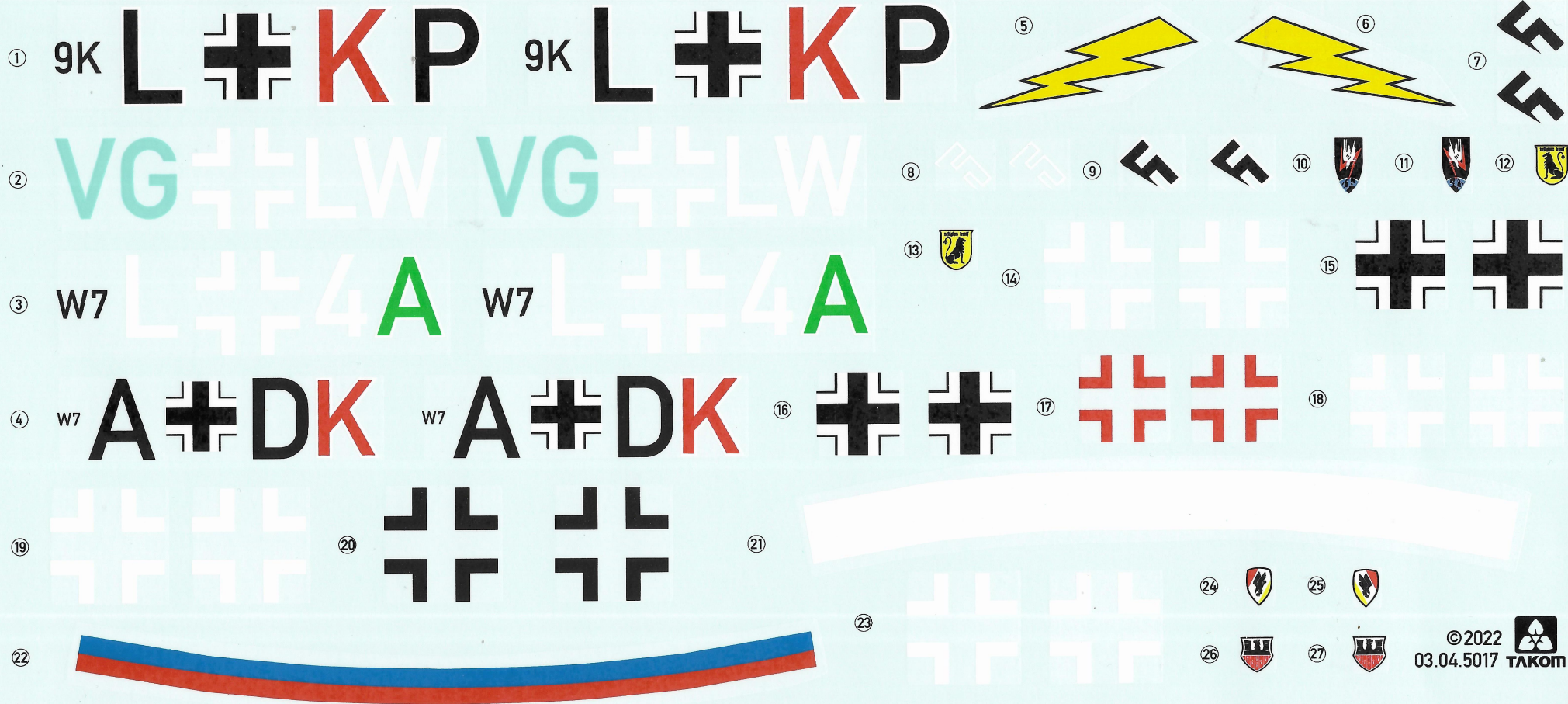
A.MIG-3011 Airfield Dust

9 FUEL STAINS

A.MIG-1253 Streakingbrusher Gdme



You can find TAKOM on Facebook.com

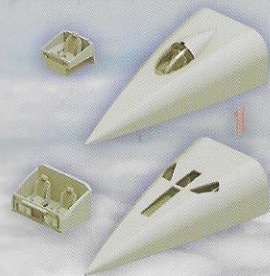


Sänger-Bredt

SILBERVOGEL SUBORBITAL BOMBER

2IN1

- △ DETAILED STATIC DISPLAY PLASTIC MODEL
- △ CLEAR PARTS INCLUDED
- △ 4 TYPES OF MARKINGS



Design Supported
by



1/72
No.5017

△ THIS IS NOT A TOY △ READY TO ASSEMBLE PRECISION MODEL KIT
△ MODEL MAY VARY FROM IMAGE ON BOX △ CEMENT AND PAINT NOT INCLUDED △ INTENDED FOR COLLECTORS OF AGE 14 YEARS AND ABOVE

