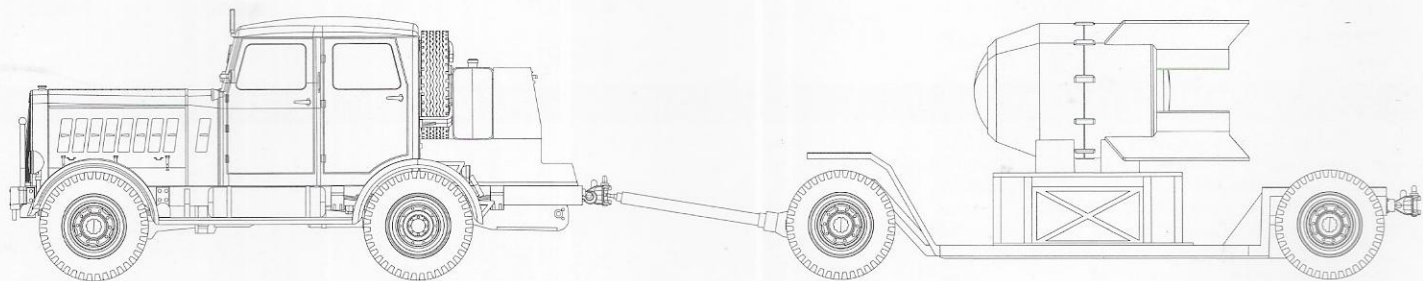


Sänger-Bredt

SILBERVOGEL SUBORBITAL BOMBER & ATOMIC PAYLOAD SUITE



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).

Had Nazi Germany succeeded in plans to produce an atomic bomb, it would have certainly been considered as payload for the Silbervogel. Fortunately, the war ended before Germany was able to produce an atomic bomb, and due to prohibitive costs, the Silbervogel 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



Drill



Optional

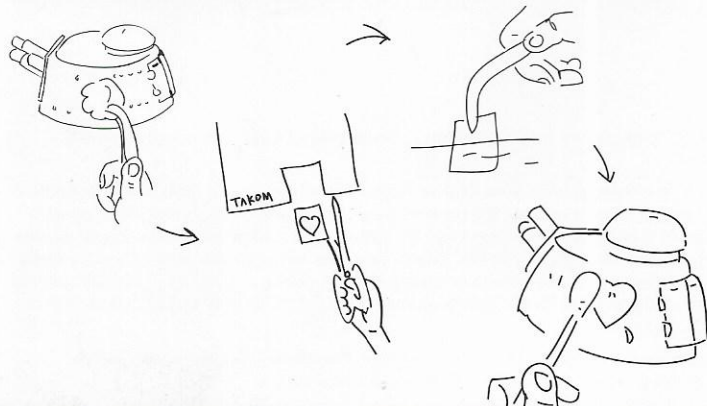
PAINTS REQUIRED

Color info and profiles by Mig Jimenez

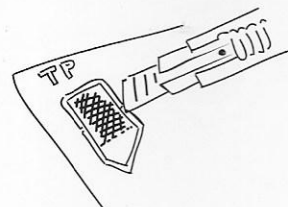
A.MIG-0002	RAL 6003 Olivgrün OPT.2	A.MIG-0010	RAL 7028 Dunkelgelb (Mid War)	A.MIG-0015	RAL 8017 Schokobraun	A.MIG-0033	Rubber & Tires
A.MIG-0063	RLM 76 Pale Grey	A.MIG-0254	RLM 75 Grauviolet	A.MIG-0125	Gold Yellow (RLM 04 GELB)	A.MIG-0233	RLM 71 Dunkelgrün
A.MIG-0046	Matt Black	A.MIG-0253	RLM 74 Graugrün	A.MIG-0254	RLM 75 Grauviolet	A.MIG-0232	RLM 70 Schwarzgrün
A.MIG-0192	Polished Metal	A.MIG-0217	Green Slate (RLM 02)	A.MIG-0206	RLM 81 - F5 34079 - B5641	A.MIG-0231	RLM 65 Hellblau
A.MIG-8215	Airframe Aluminium Alc119	A.MIG-0232	RLM 71 Dunkelgrün				

APPLYING DECALS

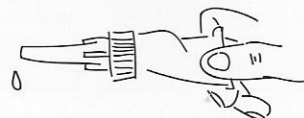
1. Clean the model surface with a wet cloth.
2. Cut out each decal design from sheet, and dip it in tepid water for 15-20 sec.
3. Hold the backing sheet and slide decal onto the model.
4. Move decal into position by wetting decal with finger.
5. Press decal gently down with a soft cloth until excess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



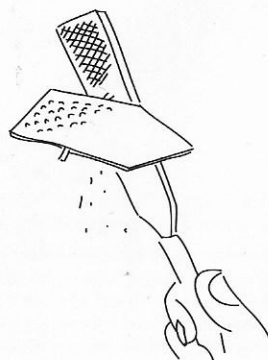
REMOVING PE



Be careful not to hurt when removing PE parts.

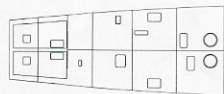
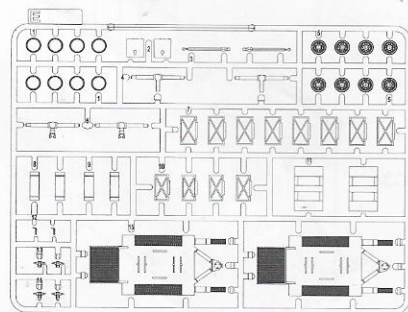
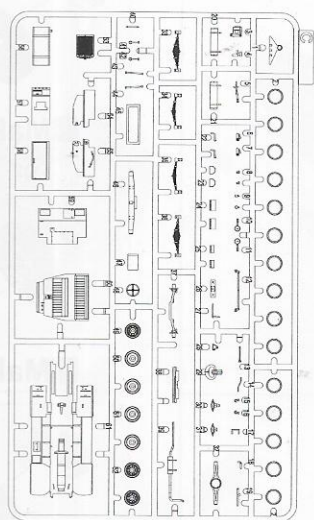
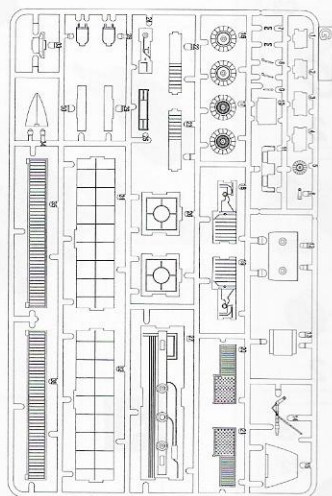
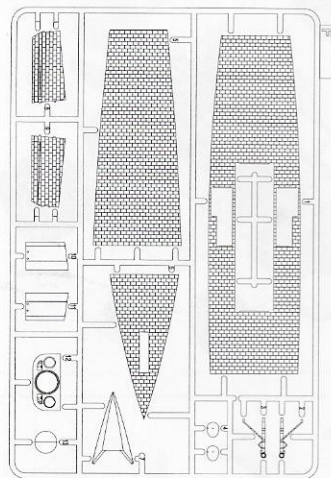


Secure using instant glue (not included).



Finish using file.

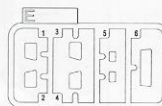
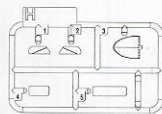
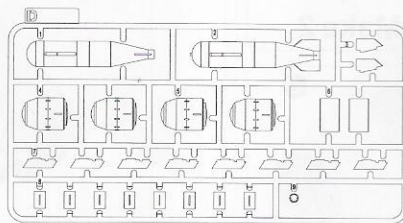
PARTS



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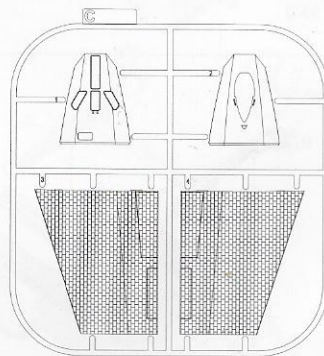
B



TireX15

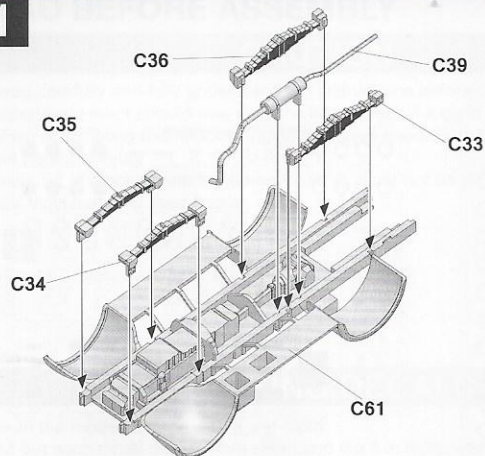


Upper Hull

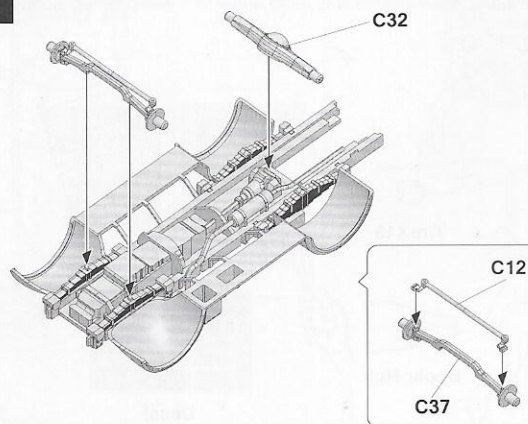


Decal

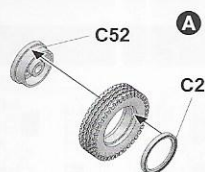
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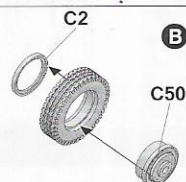
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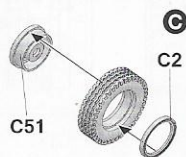
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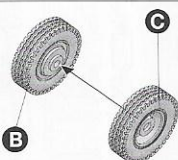
Make 2



Make 2

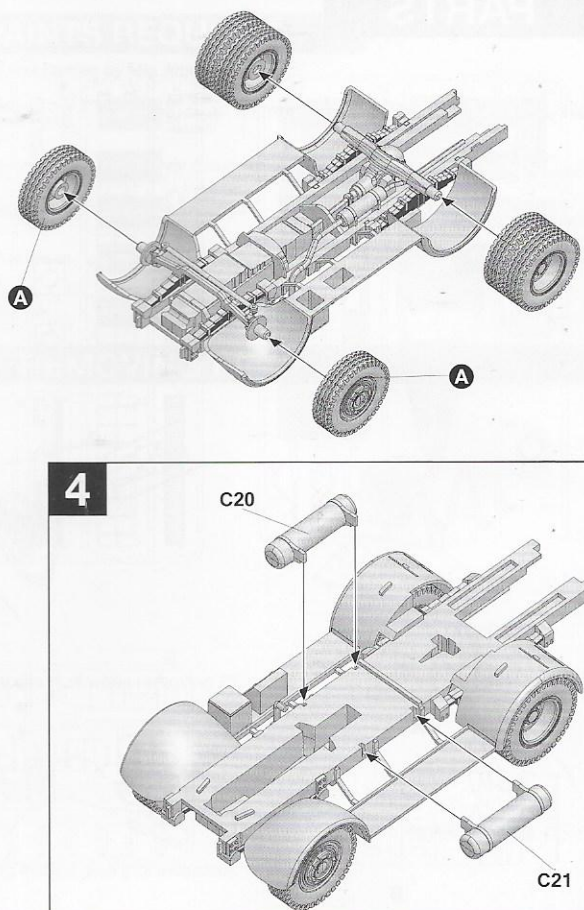


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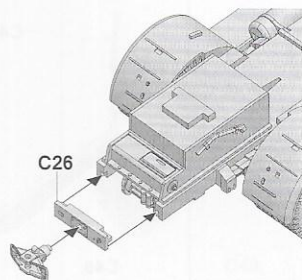
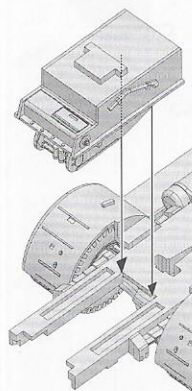
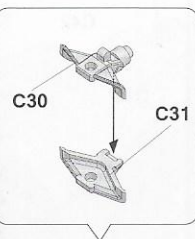
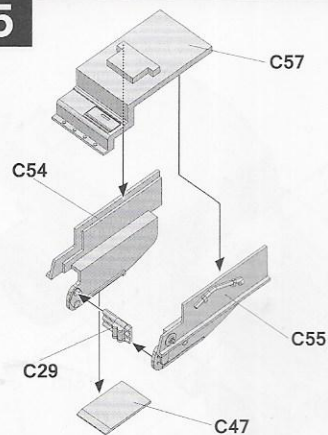


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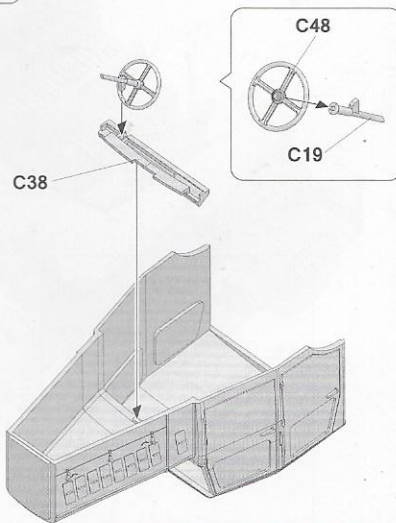
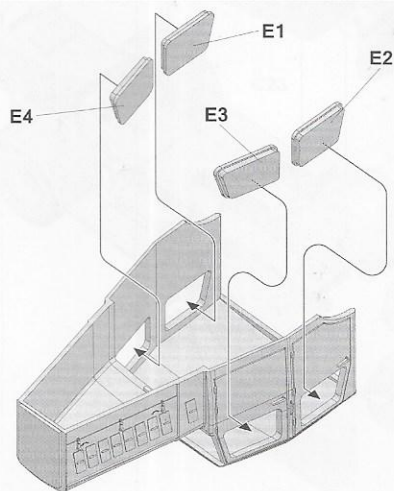
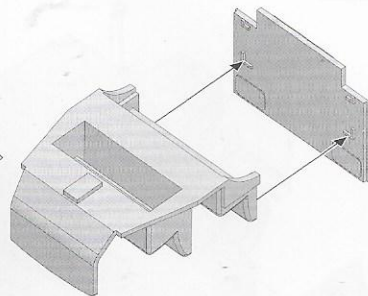
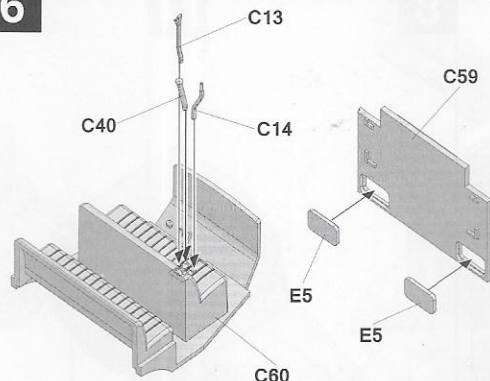
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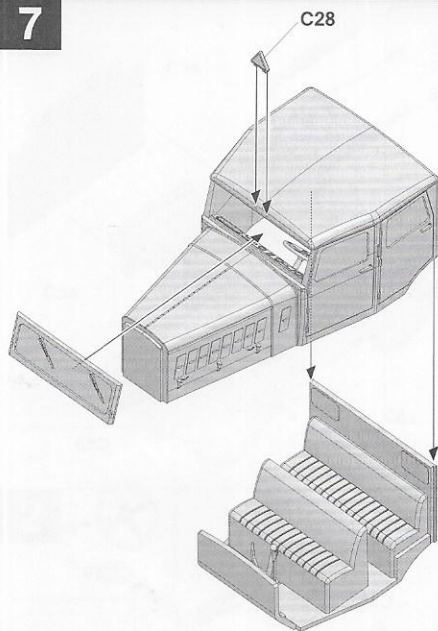
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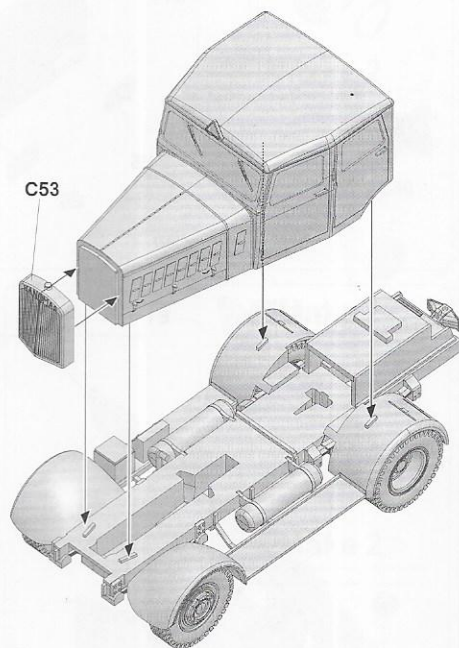
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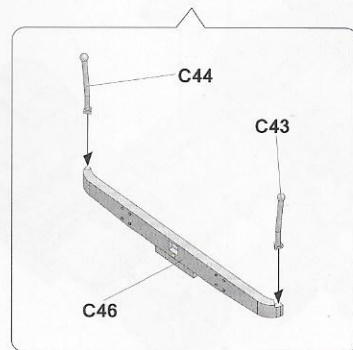
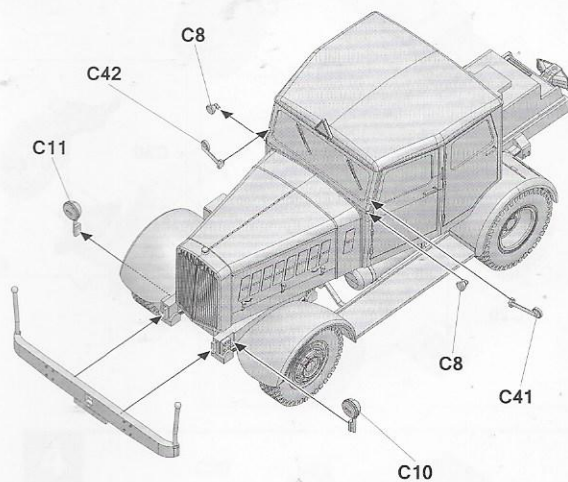
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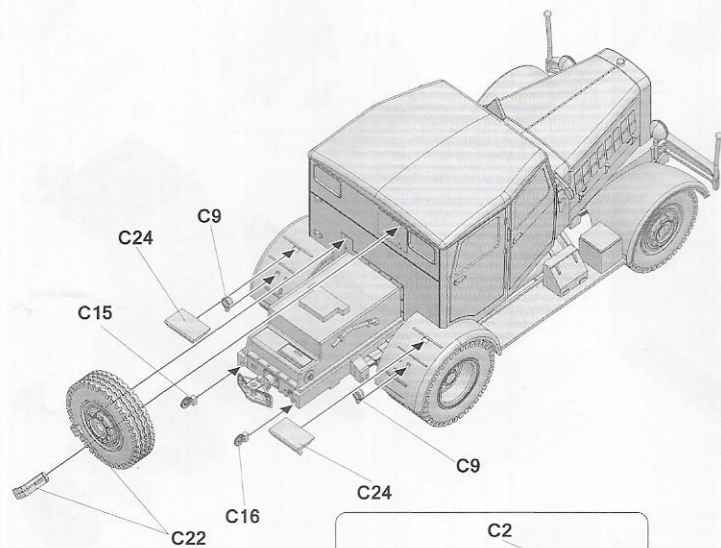
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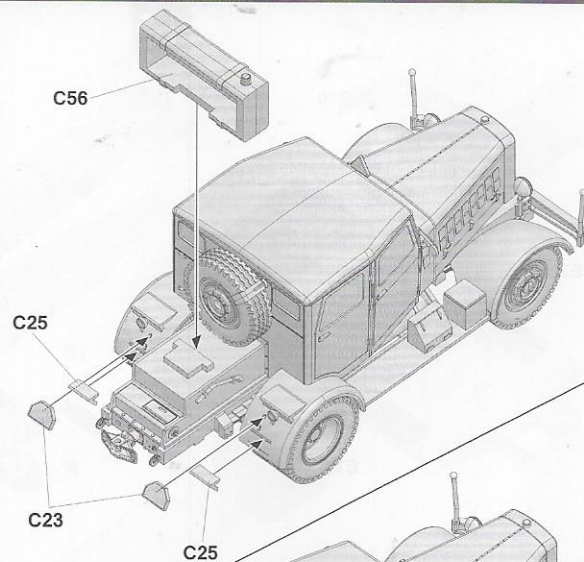
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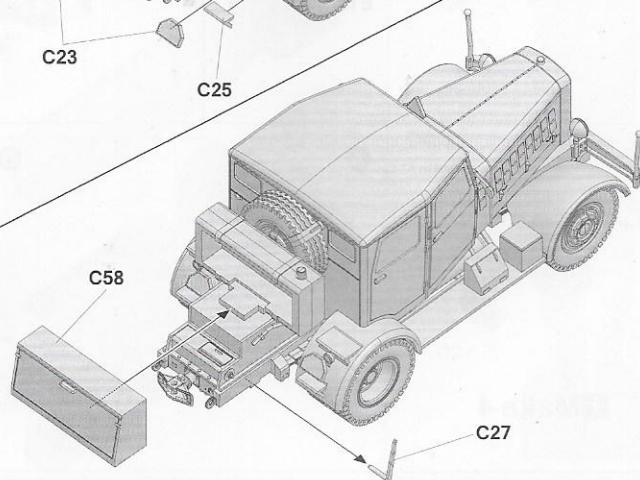
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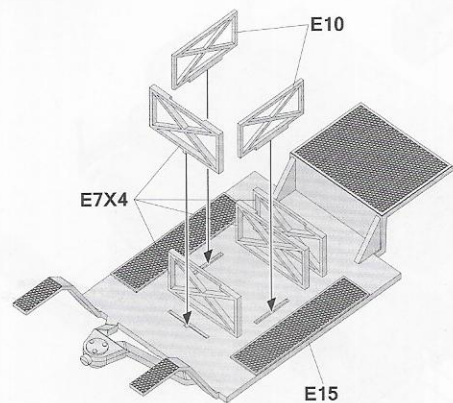
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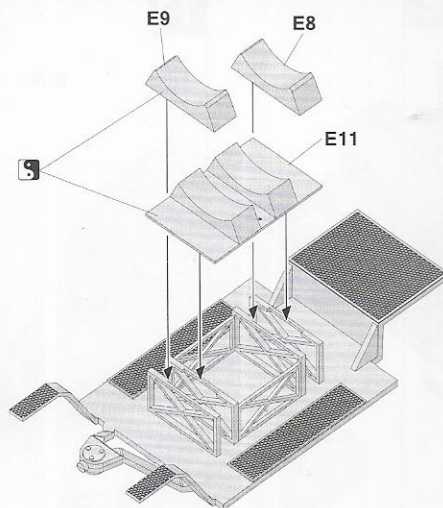
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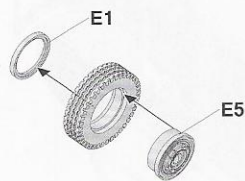
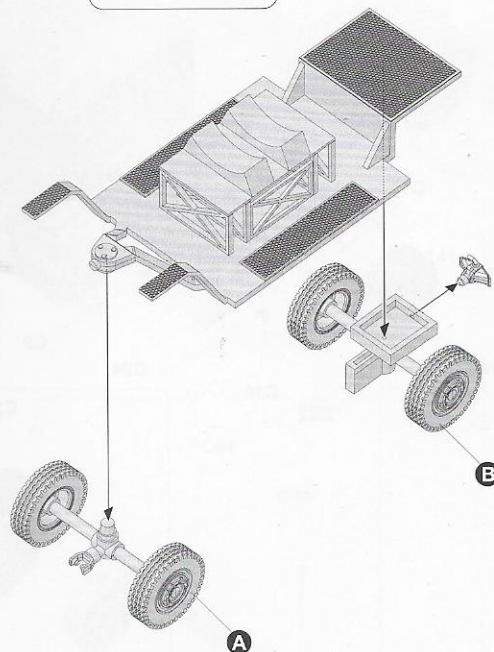
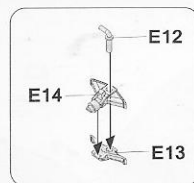
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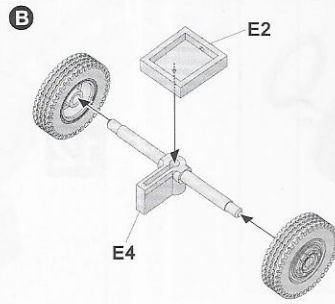
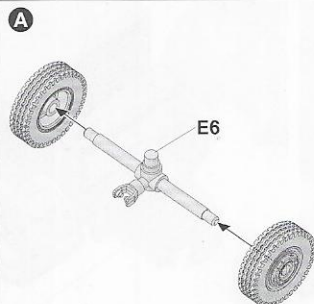
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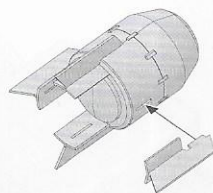
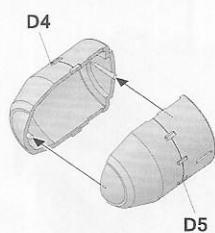
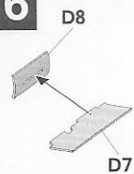
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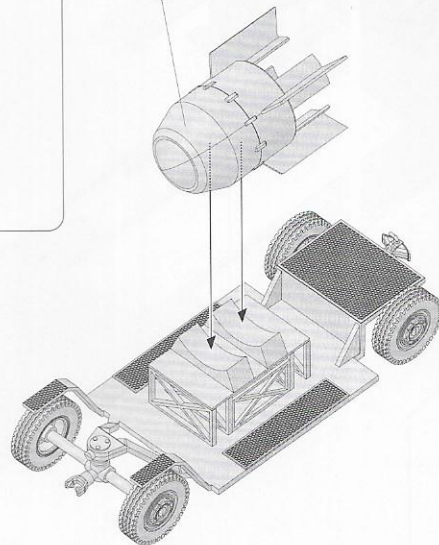
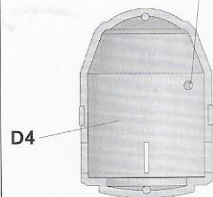


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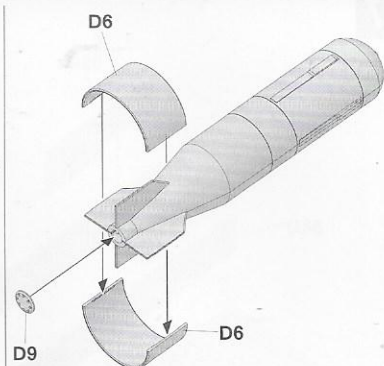
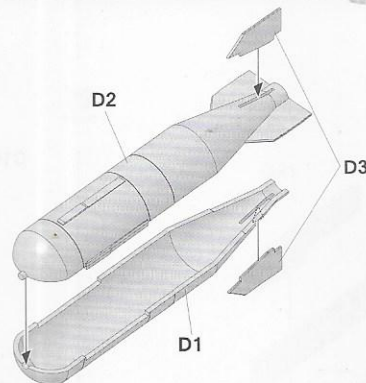
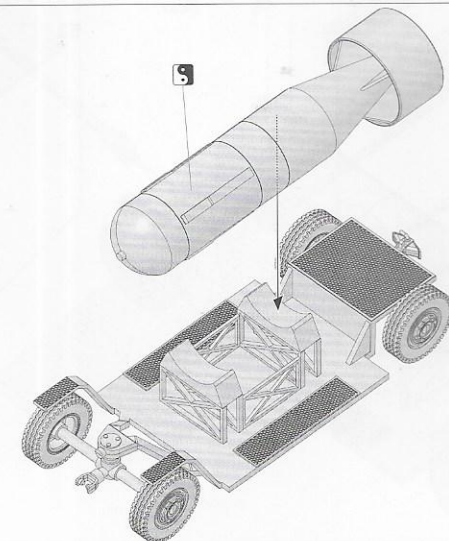


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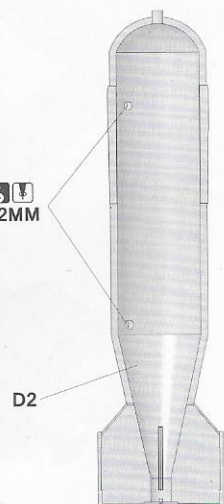
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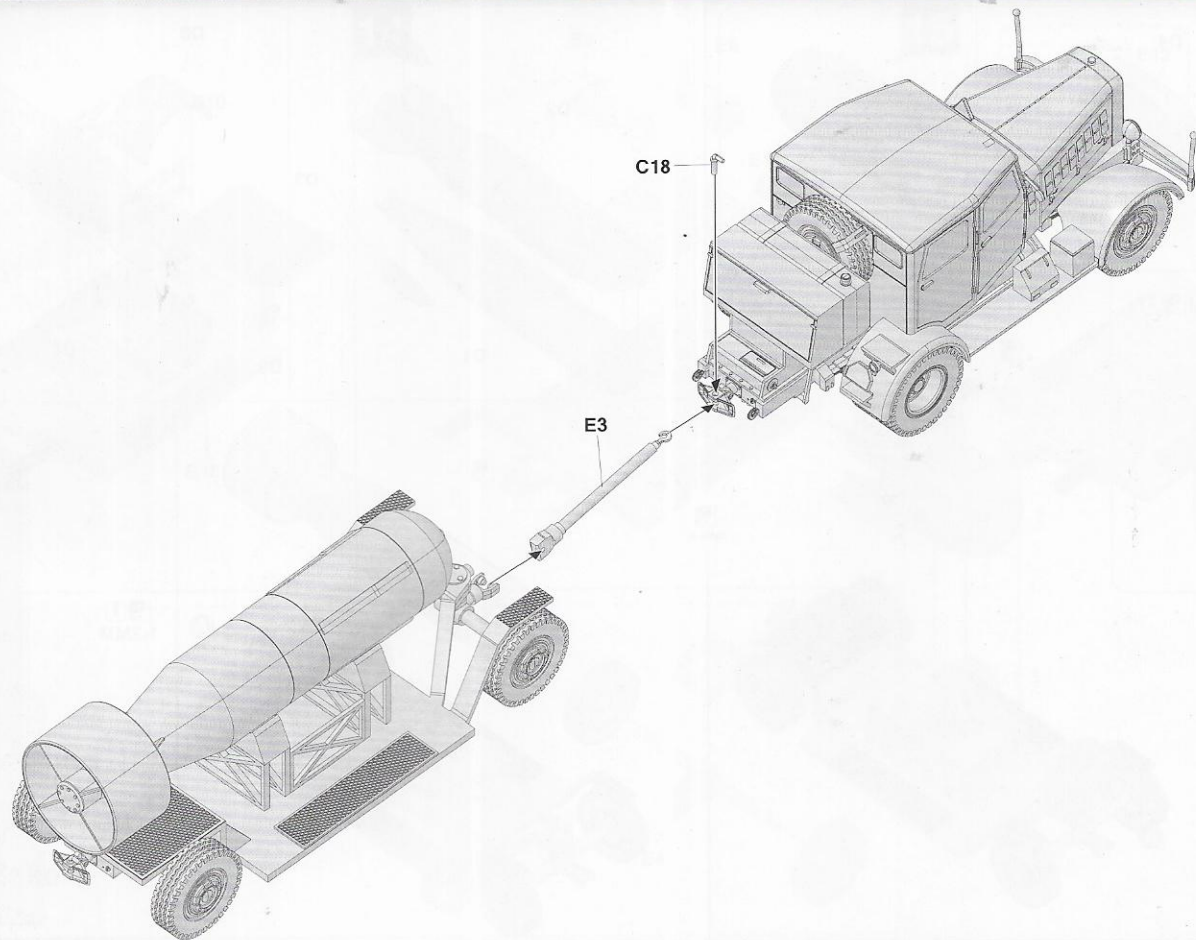


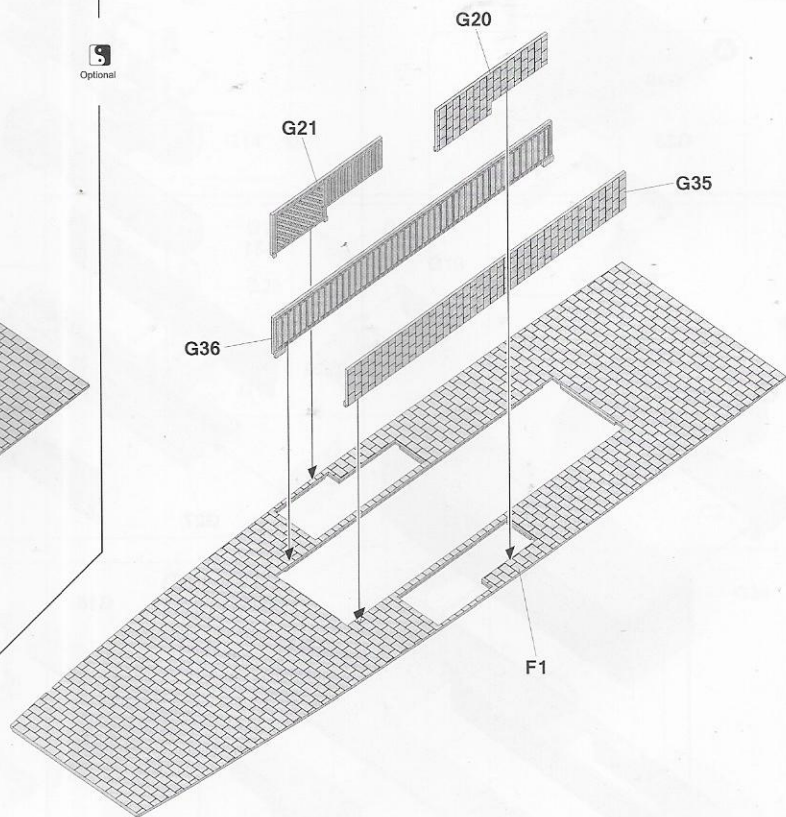
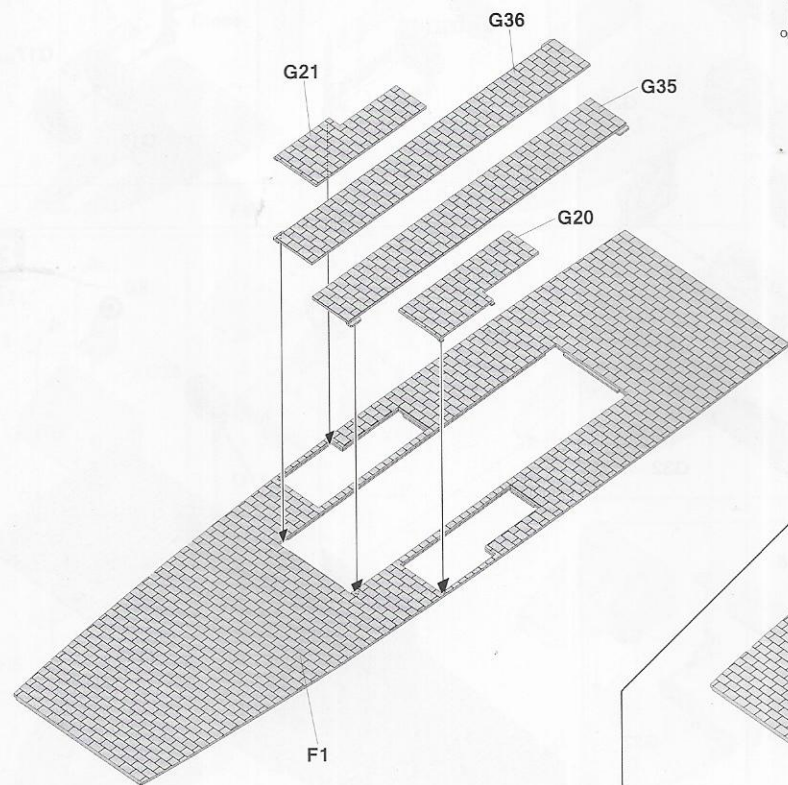
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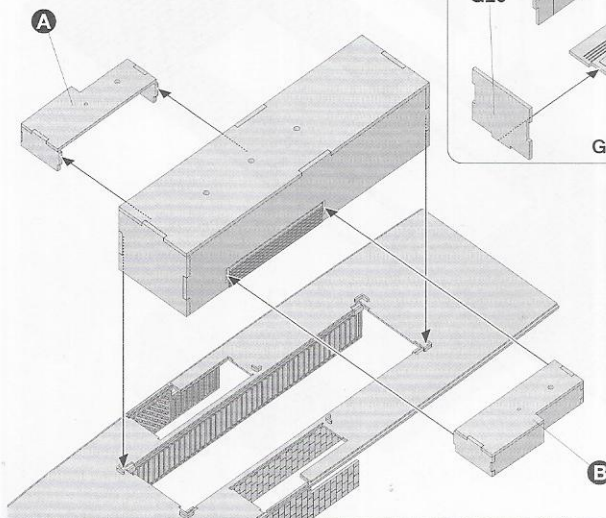
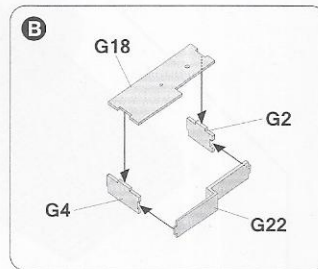
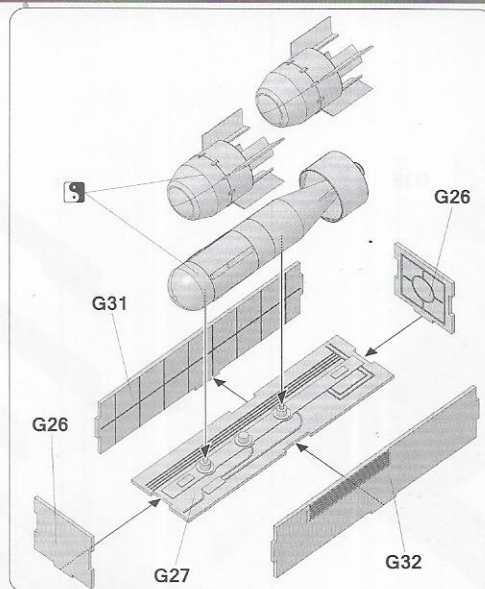
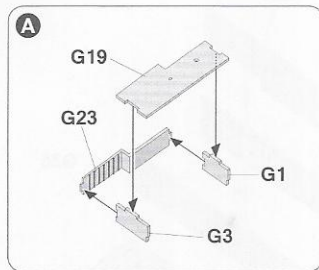
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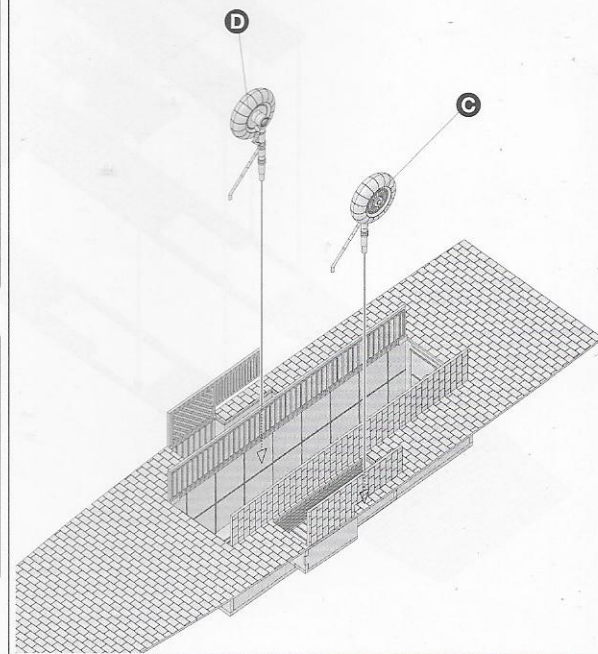
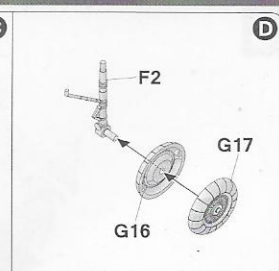
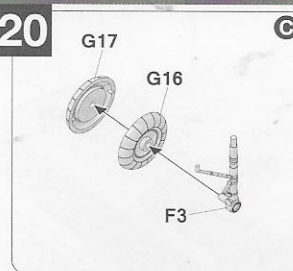




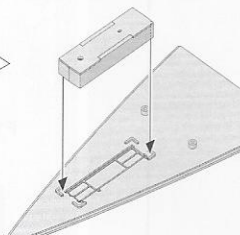
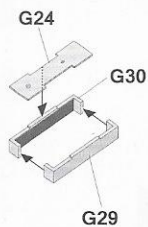
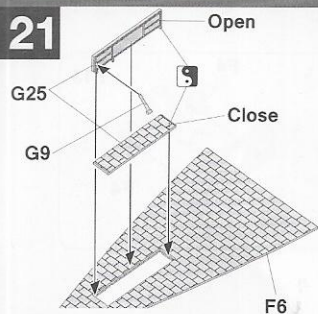
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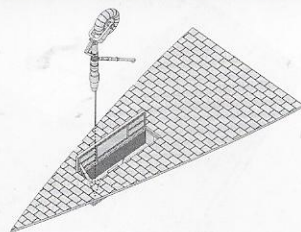
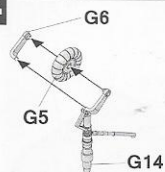
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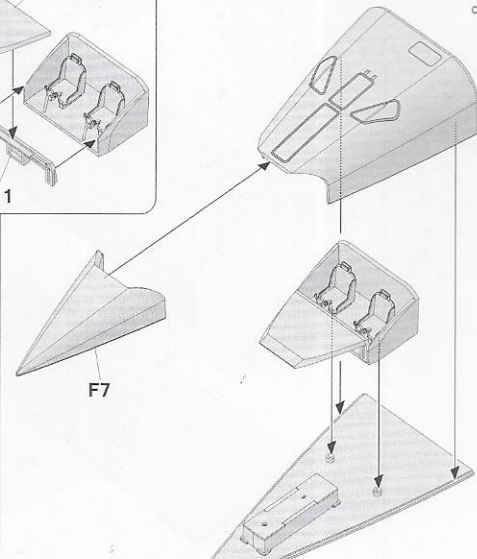
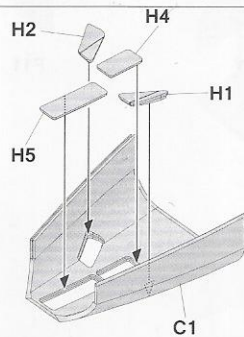
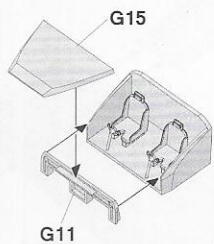
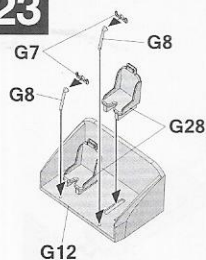
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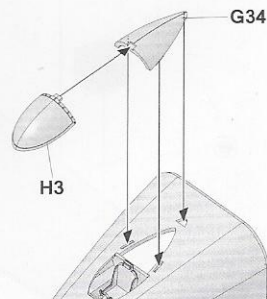
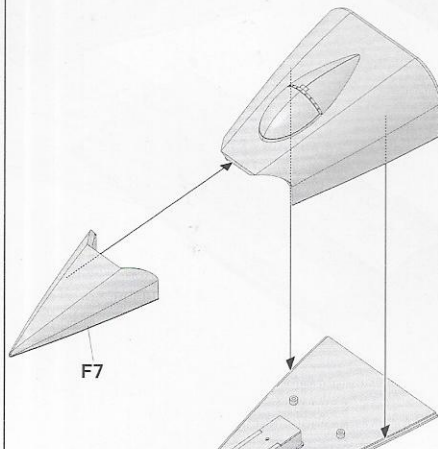
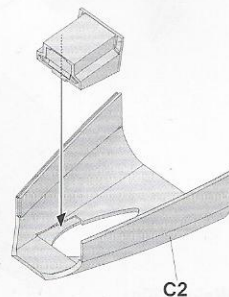
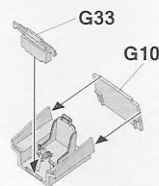
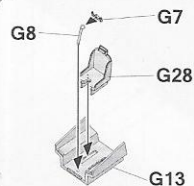
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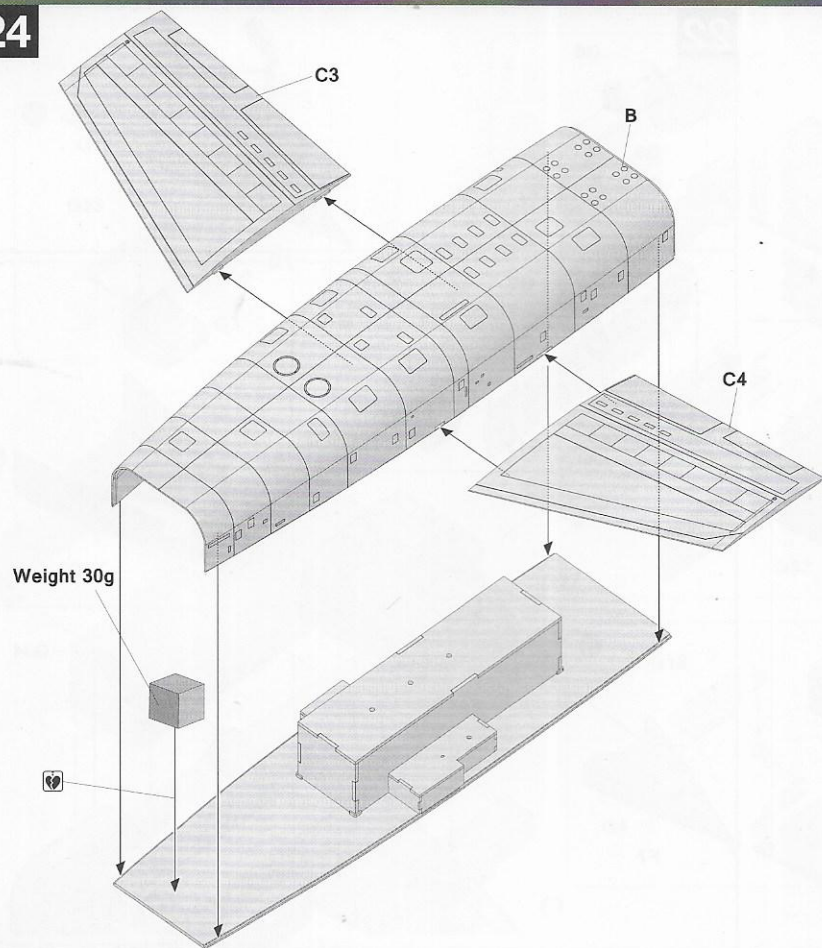
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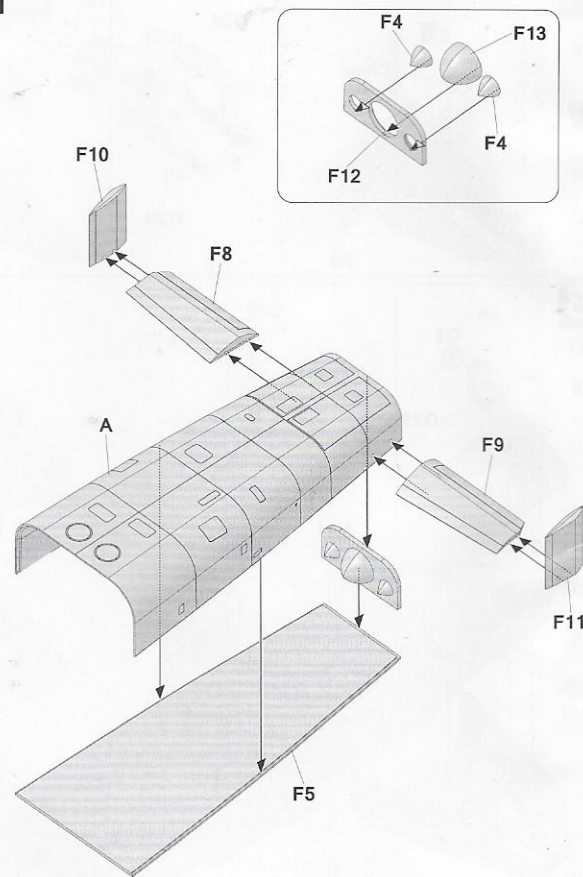
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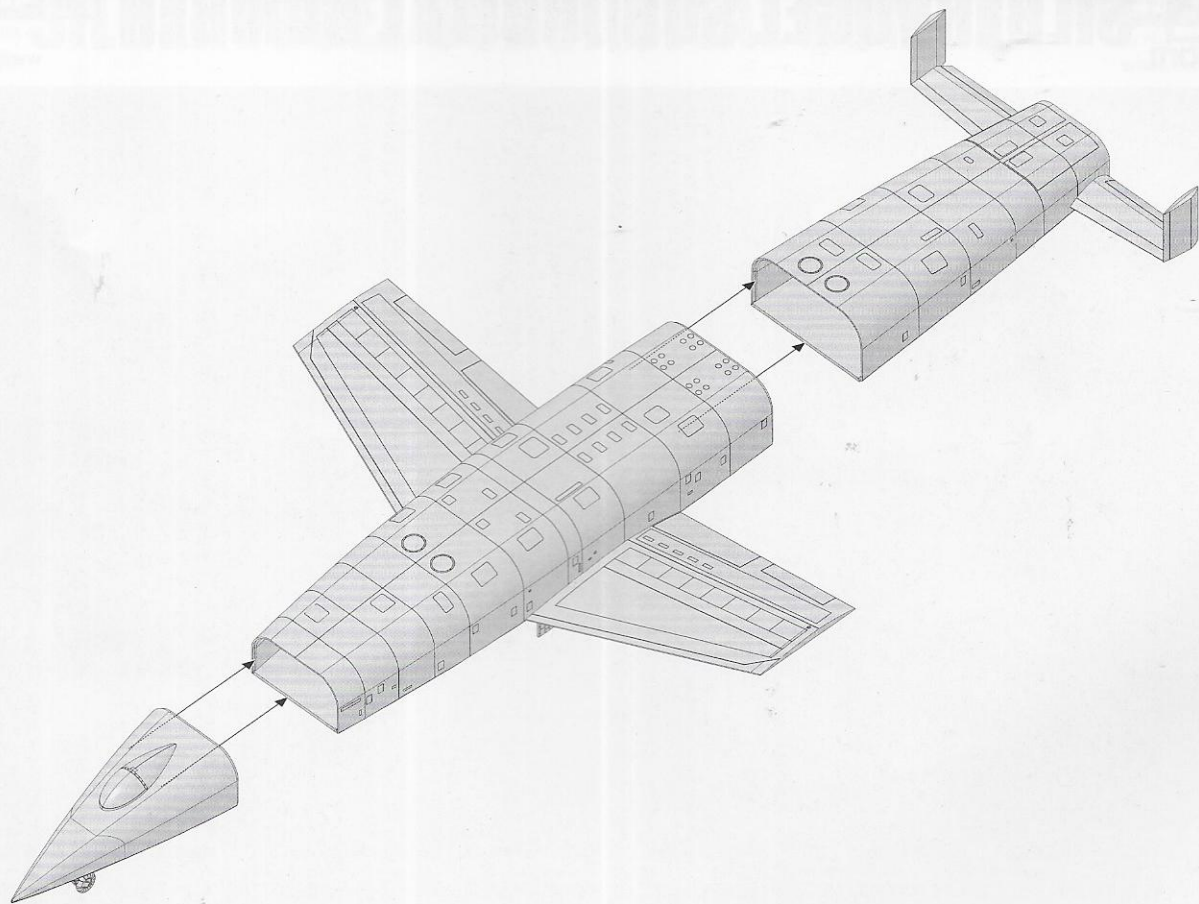


24



25





SILBERVOGEL SUBORBITAL BOMBER

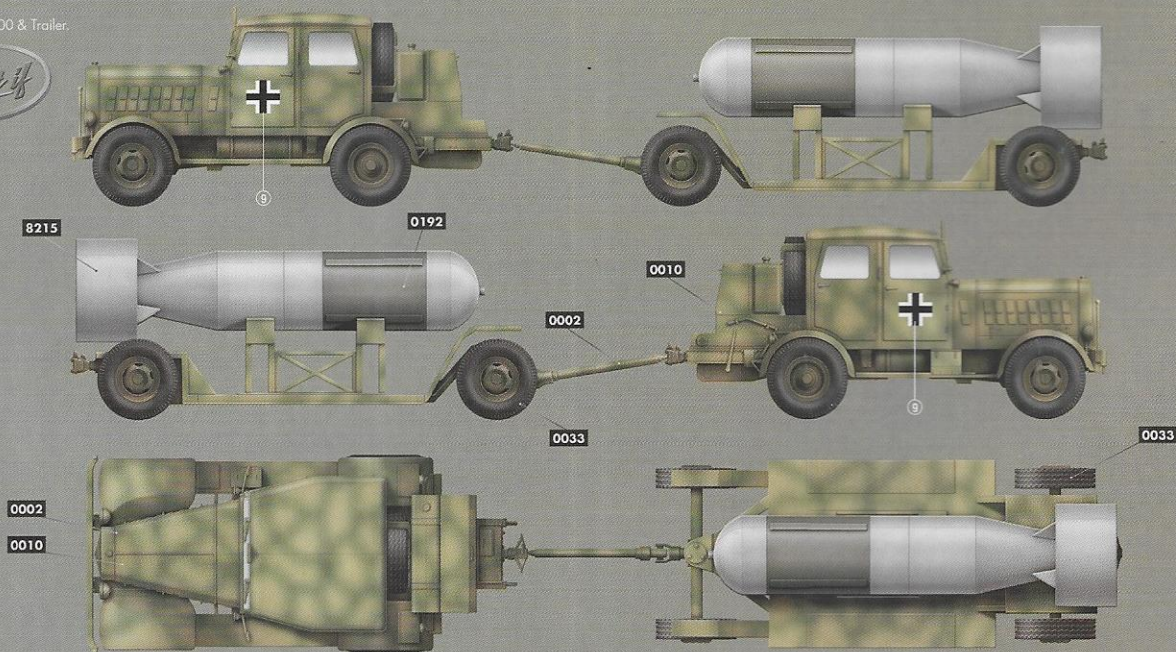
Painting and Marking Guide

TAKOM No.5018

Hanomag SS-100 & Trailer.



A.MIG-0002	RAL 6003 Olivgrün CP12	A.MIG-0010	RAL 7008 Europagrün (Mid Wert)	A.MIG-0033	Rubber & Tire	A.MIG-0192	Polished Metal	A.MIG-8215	Airframe Aluminium Ac119
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WEATHERING STEPS WITH AMMO PRODUCTS

1 GENERAL WASH A.MIG-1005 Dark Brown Wash for Green vehicles	3 CAMO SHADING A.MIG-0852 Earth Shader	5 DETAILS HIGHLIGHT A.MIG-0617 Drybrush Medium German Yellow	7 RAINMARKS A.MIG-1258 Streakingbrusher Dust	9 DUST A.MIG-3004 Europe Earth Pigment	11 SPLASHES A.MIG-1753 Turned Dirt	13 OIL A.MIG-1408 Fresh Engine Oil
2 FILTER A.MIG-0824 Tan	4 DIRT SHADING A.MIG-0853 Dirt Shader	6 STREAKING A.MIG-1256 Streakingbrusher Green-Grey Grime	8 TRACKS WASH A.MIG-1002 Tracks Wash	10 MUD A.MIG-1704 Heavy Earth	12 FUEL A.MIG-1409 Fuel Stains	

03.03.5018



SILBERVOGEL SUBORBITAL BOMBER

AMMO
by MIG Jimenez
www.ammo.es

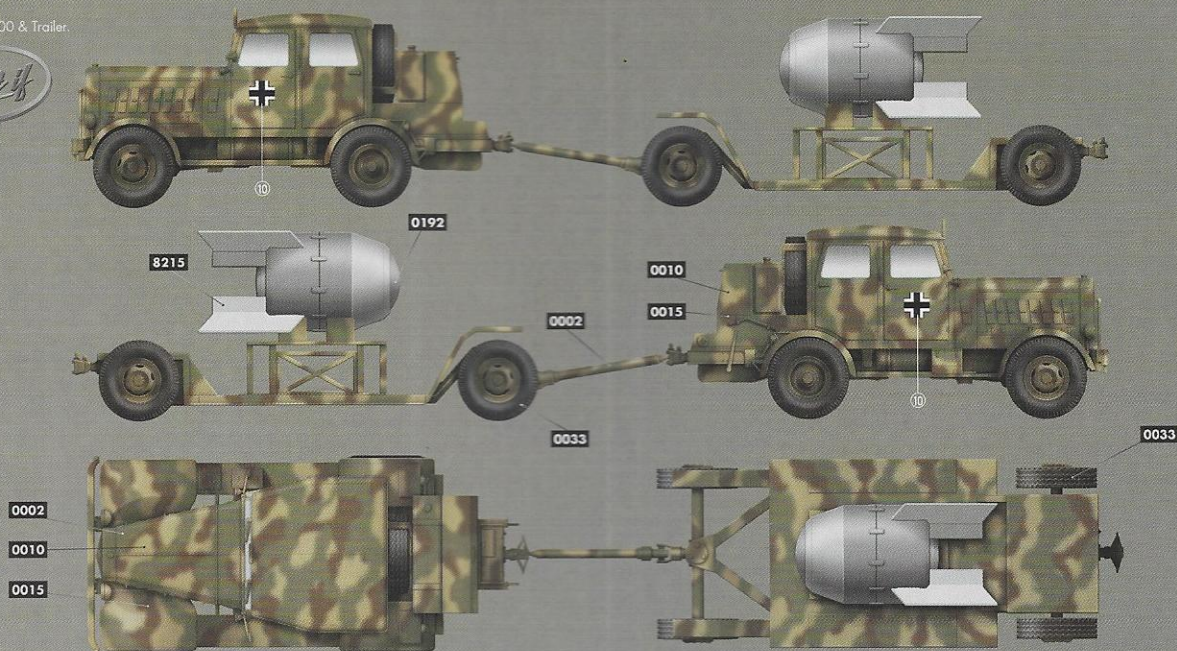
Painting and Marking Guide

TAKOM No.5018

Hanomag SS-100 & Trailer.



A.MIG-0002 RAL 6003 Olivgrün CPT2 A.MIG-0010 RAL 7028 Dunkelgrün (old) A.MIG-0015 RAL 8017 Schleissbraun A.MIG-0033 Rubber & Tires A.MIG-0192 Polished Metal A.MIG-8215 Airframe Aluminium Ac119



WEATHERING STEPS WITH AMMO PRODUCTS

1 GENERAL WASH

A.MIG-1005 Dark Brown Wash for Green vehicles

2 FILTER

A.MIG-0024 Tan

3 CAMO SHADING

A.MIG-0052 Earth Shader

4 DIRT SHADING

A.MIG-0053 Dirt Shader

5 DETAILS HIGHLIGHT

A.MIG-0617 Drybrush Medium German Yellow

6 STREAKING

A.MIG-1256 Streakingbrusher Green-Grey Grime

7 RAINMARKS

A.MIG-1258 Streakingbrusher Dust

8 TRACKS WASH

A.MIG-1002 Tracks Wash

9 DUST

A.MIG-3004 Europe Earth Pigment

10 MUD

A.MIG-1704 Heavy Earth

11 SPLASHES

A.MIG-1753 Turned Dirt

12 FUEL

A.MIG-1409 Fuel Stains

13 OIL

A.MIG-1408 Fresh Engine Oil

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by MIG Jimenez

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TAKOM No.5018

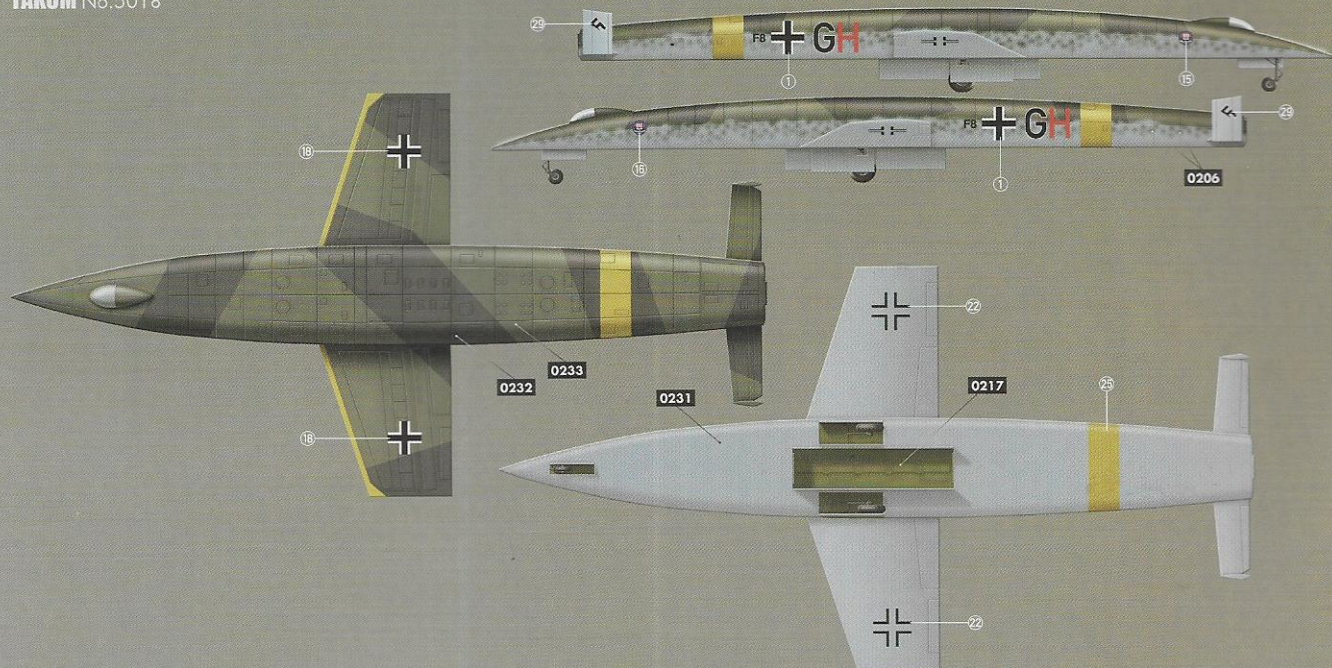
A.MIG-0206 RLM 81 - FS 34079 - BS641

A.MIG-0217 Green Slate (RLM 05)

A.MIG-0231 RLM 65 Hellblau

A.MIG-0232 RLM71 Dunkelgrün

A.MIG-0233 RLM71 Dunkelgrün



WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT

A.MIG-0218 RLM 66 Schwartzgrau

2 INTERIOR WASH

A.MIG-1008 Dark Wash

3 PLW RLM65

A.MIG-1613 Panel Line Wash Blue Gray

4 PLW RLM70

A.MIG-1618 Panel Line Wash Deep Brown

5 PLW RLM71

A.MIG-1612 Panel Line Wash Green Brown

6 SHADERS RLM65

A.MIG-0061 Marine Blue Shading

7 SHADERS RLM70

A.MIG-0050 Ash Black Shading

8 SHADERS RLM71

A.MIG-0066 Dark Green Shading

9 PIGMENTS

A.MIG-3014 Russian Earth

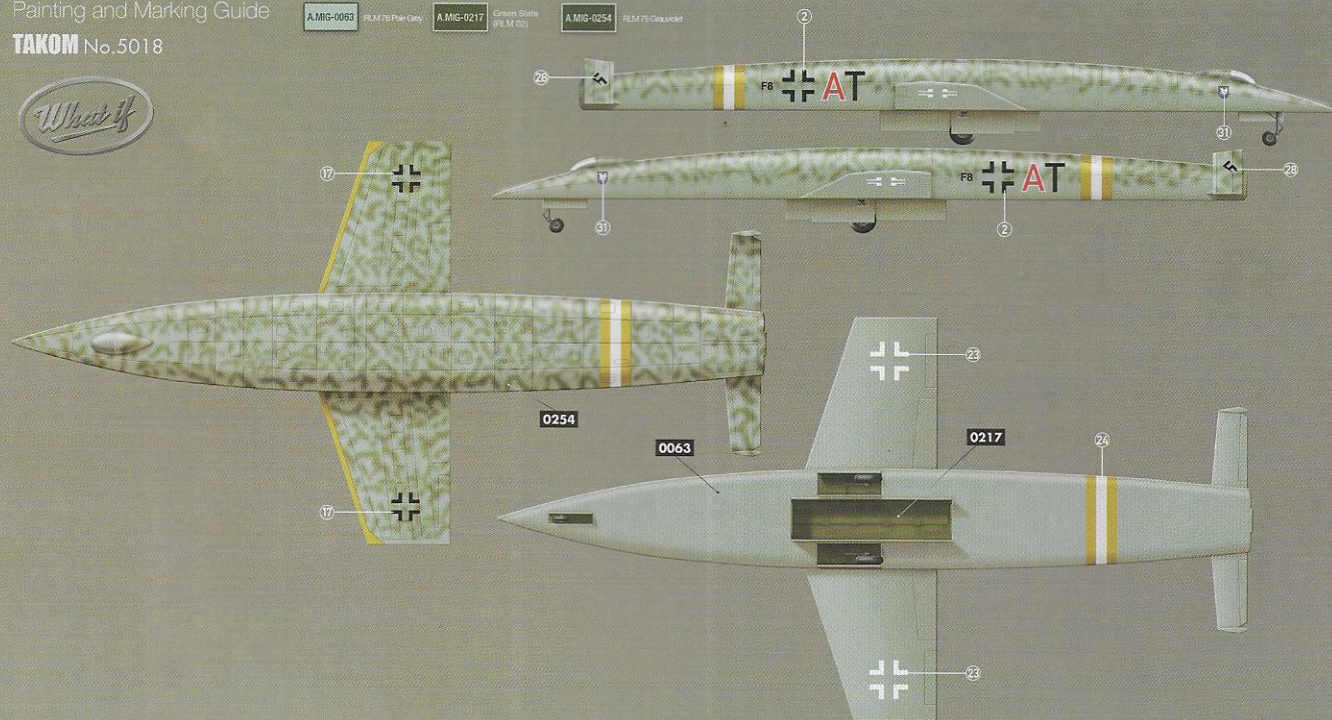
10 FUEL STAINS

A.MIG-1253 Streakingbrusher Grime

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Painting and Marking Guide

TAKOM No.5018



WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT

A.MIG-0218 RLM 66 Schwartzgrau

2 INTERIOR WASH

A.MIG-1008 Dark Wash

3 PLW RLM76

A.MIG-1613 Panel Line Wash Blue Grey

4 PLW RLM75

A.MIG-1611 Panel Line Wash Black Night

5 SHADERS RLM76

A.MIG-0861 Marine Blue Shader

6 SHADERS RLM75

A.MIG-0857 Navy Grey Shader

7 PIGMENTS

A.MIG-3011 Airfield Dust

8 FUEL STAINS

A.MIG-1253 Streaking/Grime

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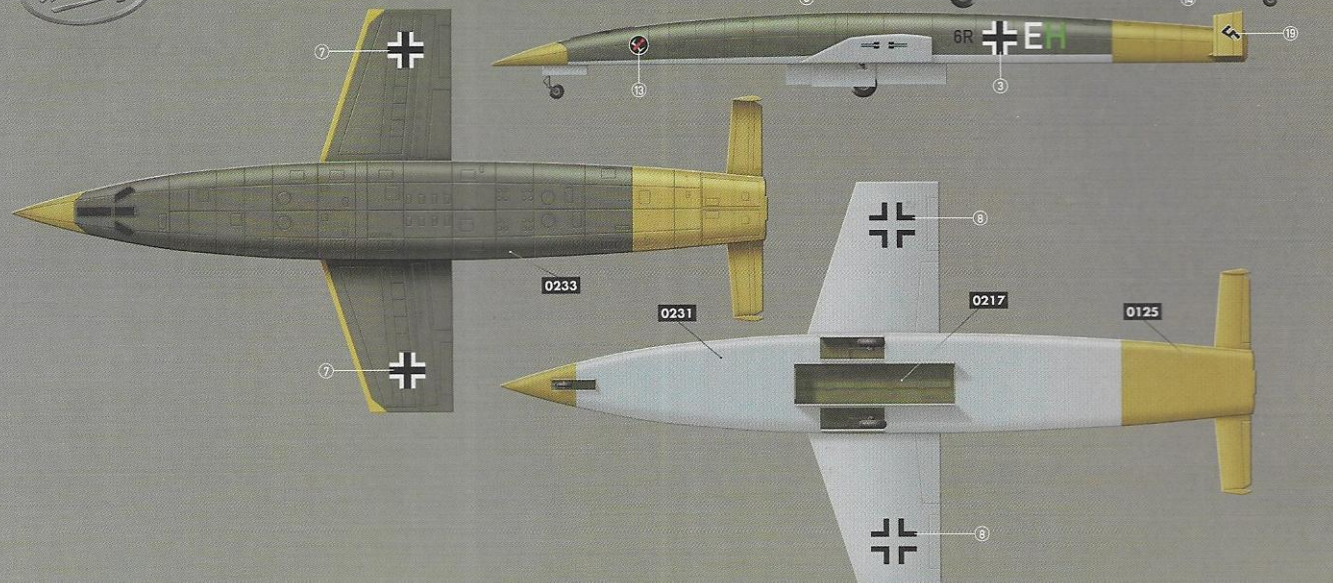
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TAKOM No.5018



A.MIG-0125	Gold Yellow PLW 04 GELB	A.MIG-0217	Green Slate PLW 02	A.MIG-0231	PLW 05 Hellblau	A.MIG-0233	PLW 71 Dunkelgrün
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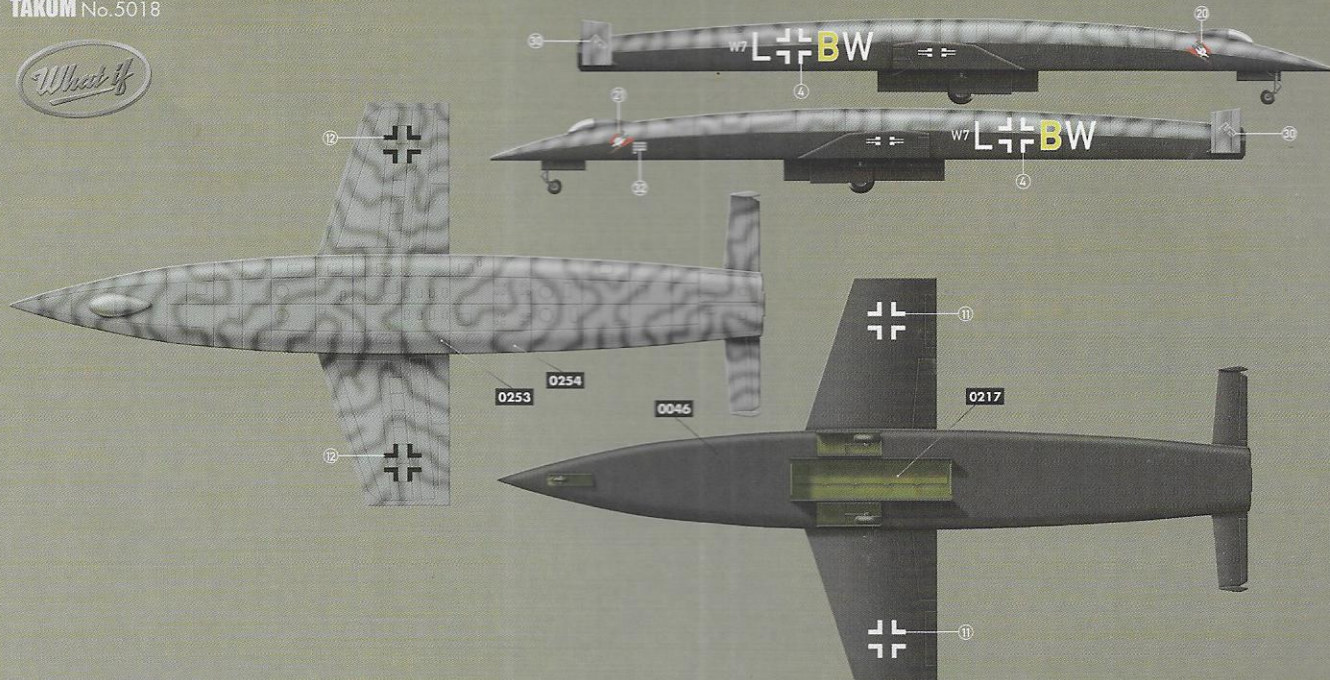
WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT A.MIG-0218 PLW 66 Schwarzgrau	3 PLW RLM65 A.MIG-1613 Panel Line Wash Blue Grey	5 SHADERS RLM65 A.MIG-0861 Marine Blue Shader	7 PIGMENTS A.MIG-3014 Russian Earth
2 INTERIOR WASH A.MIG-1008 Dark Wash	4 PLW RLM71 A.MIG-1612 Panel Line Wash Green Brown	6 SHADERS RLM71 A.MIG-0856 Dark Green Shader	8 FUEL STAINS A.MIG-1253 Streaking/brusher Grime

SILBERVOGEL SUBORBITAL BOMBER

Painting and Marking Guide

TAKOM No.5018



WEATHERING STEPS WITH AMMO PRODUCTS

1 COCKPIT

A.MIG-0218 RLM 66 Schwartzgrau

2 INTERIOR WASH

A.MIG-1008 Dark Wash

3 PLW RLM76

A.MIG-1613 Panel Line Wash Blue Grey

4 PLW BLACK

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

5 PLW RLM75

A.MIG-1611 Panel Line Wash Black Night

6 SHADERS RLM76

A.MIG-0851 Marine Blue Shader

7 SHADERS RLM75

A.MIG-0857 Navy Grey Shader

8 PIGMENTS

A.MIG-3011 Airfield Dust

9 FUEL STAINS

A.MIG-1253 Streaking/brusher Grime

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TAKOM No.5018



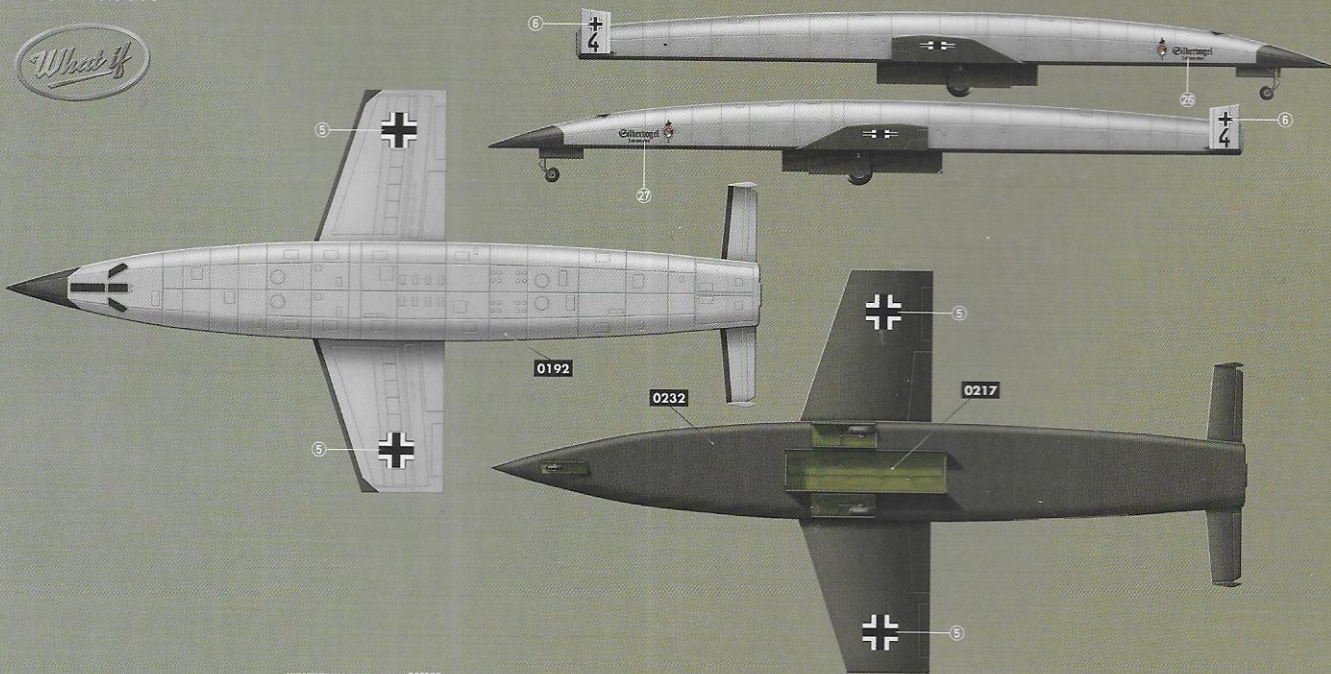
A.MIG-0192

Polished Metal

A.MIG-0217

Green Stale
(RLM 02)

A.MIG-0232

RLM70
dunkelgrün

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 PLW RLM70

A.MIG-1618 Panel Line Wash Deep Brown

5 SHADERS RLM70

A.MIG-0858 Ash Black Shader

6 SHADERS METAL

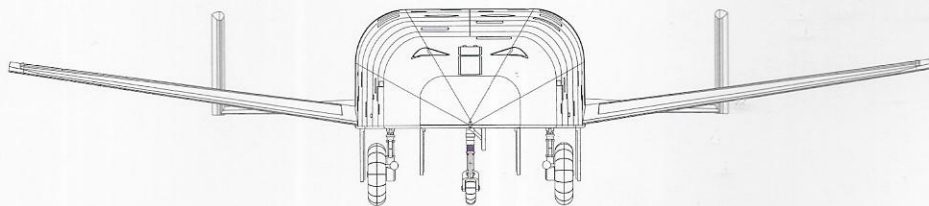
A.MIG-0855 Starship Fifth Shader

7 PIGMENTS

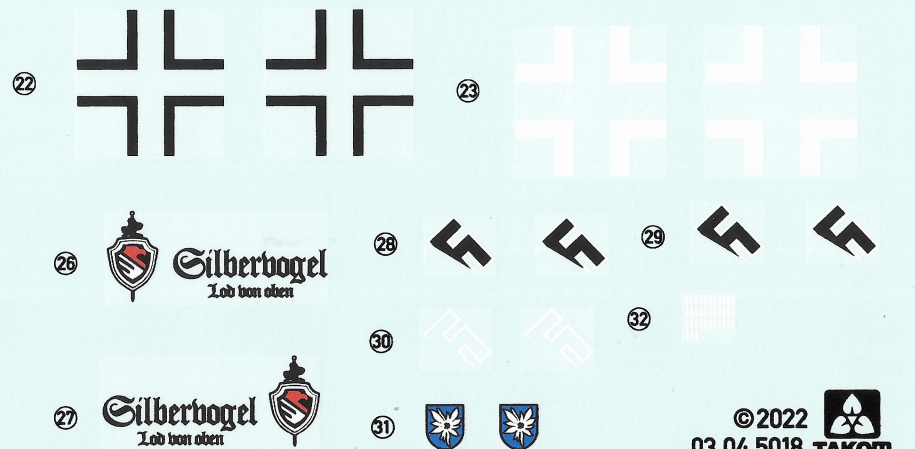
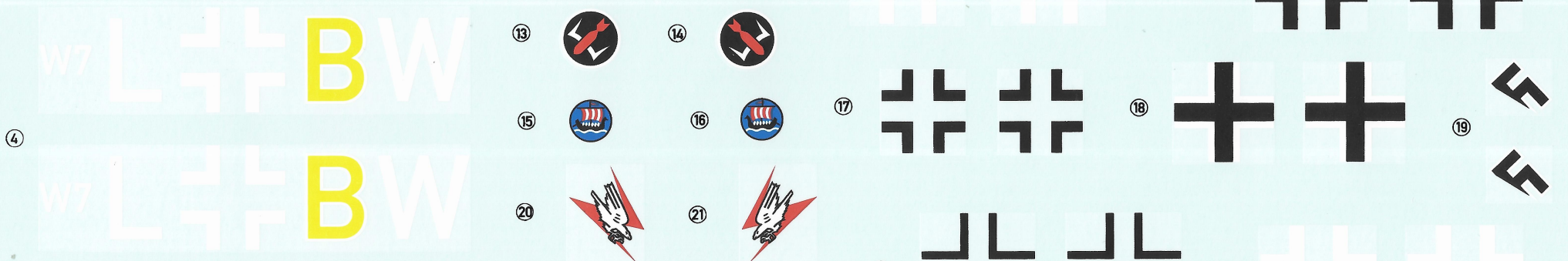
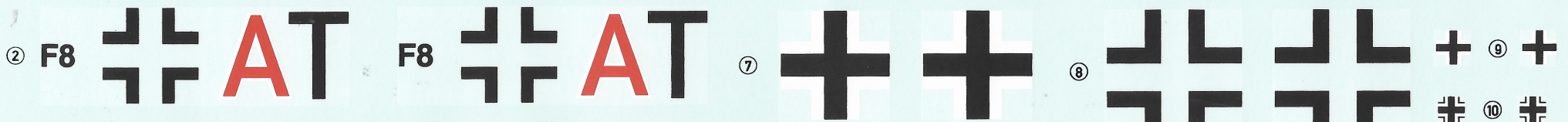
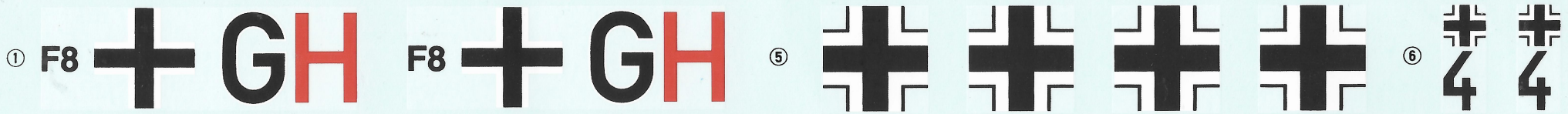
A.MIG-3011 Airfield Dust

8 FUEL STAINS

A.MIG-1253 Streakingbrusher Grime



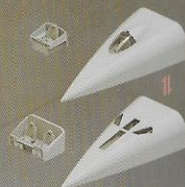
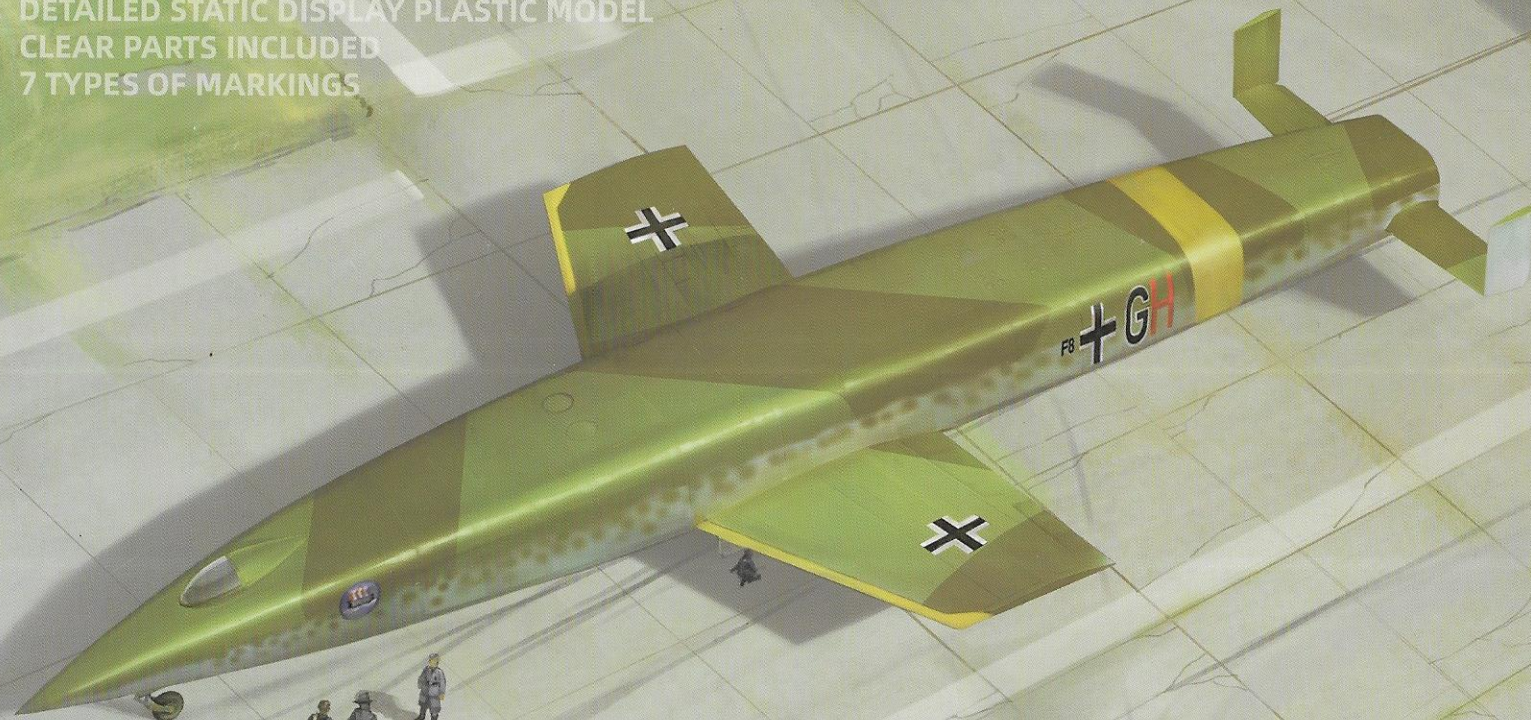
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SILBERVOGEL SUBORBITAL BOMBER & ATOMIC PAYLOAD SUITE

- ⚠ DETAILED STATIC DISPLAY PLASTIC MODEL
- ⚠ CLEAR PARTS INCLUDED
- ⚠ 7 TYPES OF MARKINGS



Don Burt, 2022



Design Supported by



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

1/72
No. 5018