

MÖBELWAGEN

3.7cm Flak auf Fgst Pz.Kpfw.IV[Sf]

ドイツIV号対空戦車メーベルワーゲン

● READY TO ASSEMBLE PRECISION MODEL KIT ● MODELING SKILLS HELPFUL IF UNDER 14 YEARS OF AGE ● MODEL MAY VARY FROM IMAGE ON BOX ● CEMENT AND PAINT NOT INCLUDED

Border

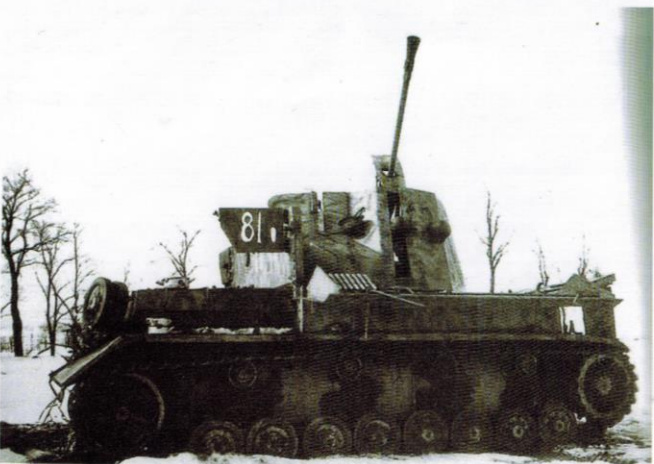


JASON 2020

1/35
SCALE

RT 007

- ◆ 1 FIGURE INCLUDED.
- ◆ PE PARTS INCLUDED.
- ◆ METAL PARTS INCLUDED.
- ◆ 4 CHEMES OF CAMOUFLAGE.
- ◆ 2 TYPES OF PANZER IV.
- ◆ THE TURRET CAN BE SELECTED IN 2 OPEN STATES & 1 CLOSED STATE.



In 1943, the German military found that the air force's equipment was relatively weak for countering enemy ground-attack fighters. As a result, the military began to develop ground-based anti-aircraft weapons to compensate for the air force's shortcomings. early in 1943, Germany drew up a program to mount the anti-aircraft gun on the chassis of the Panzer IV. The authorities initially used the 20mm quadruple Flak 38 anti-aircraft gun as the design, but it was not very effective because later warplanes had improved greatly in both altitude and speed, and this anti-aircraft gun could not effectively combat these new warplanes. Therefore, the production of this anti-aircraft tank was discontinued soon after. Therefore, the designers replaced the original anti-aircraft gun with the 37mm FlaK 43 L/89 anti-aircraft gun for temporary use until other anti-aircraft tanks were designed. Thereafter, the series of anti-aircraft tanks based on the chassis of the Panzer IV were named "Flakpanzer IV".

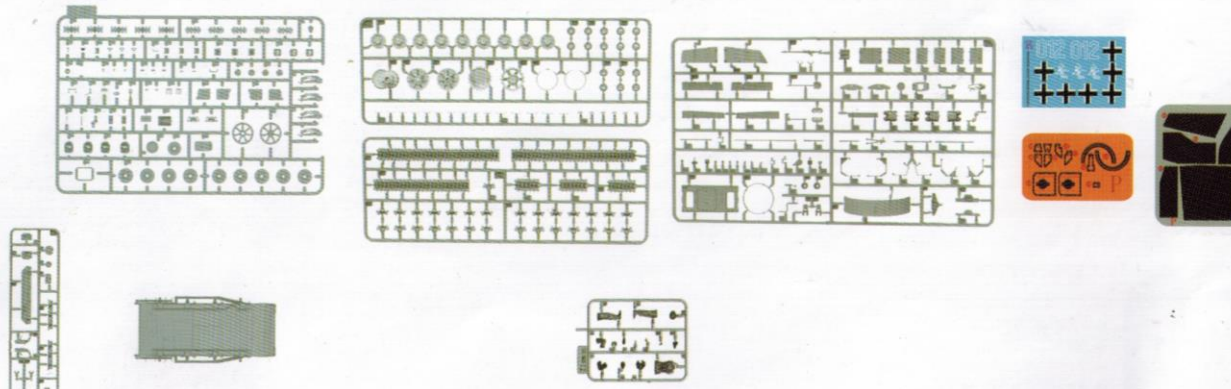
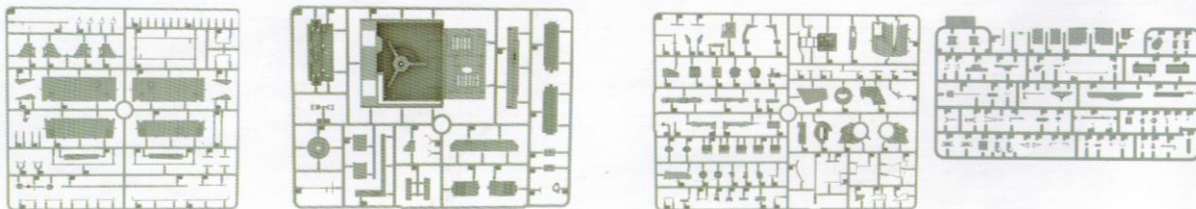
The Möbelwagen was based on the chassis of the Panzer IV with a square hollow turret. This turret was fitted with 10mm armor on all four sides, which was later replaced with 20mm armor. These armors could be lowered at will, allowing the anti-aircraft gun in the turret to rotate 360 degrees and expand the firing angle. In addition, the turret armor could be completely closed to protect the crew inside the turret, but then its firepower could not be fully utilized and only small fires could be made. The armor used for its chassis was 80mm thick. Most of the Möbelwagen are using the chassis of Panzer IV H or J.

On June 15, 1944, the German military took the lead in equipping three Panzer divisions, the 9th, 11th and 116th, with this Flakpanzer IV and sent all of them to the Western Front to fight against the Allies. In July of the same year, the 6th and 19th Panzer Divisions were also assigned a certain number of Möbelwagen to the Eastern Front. Later, the German military equipped the rest of the Panzer divisions with a small number of Möbelwagen. During the entire war, the authorities produced less than 300 Möbelwagen. Some of the newer Flakpanzer developed later, such as the Wirbelwind and the Ostwind, were better able to take into account the safety of the crew and the range of fire, which gradually made the Möbelwagen obsolete.

1943年，德国军方发现空军对于打击敌地面攻击战斗机的力量相对较弱。因此，军方开始大力发展地面防空武器，以弥补空军的不足。1943年初，德国拟定一个把防空炮安装在四号坦克底盘上的方案，并加诸实行。当局最初以20毫米四联装Flak38防空炮作为设计，但是效果不大，因为后来的战机无论在飞行高度及速度上都有很大的改善，这支防空炮无法有效的打击这些新式战机。所以，这种防空炮不久后就停产。因此，设计者便以37毫米Flak 43 L/89高射炮取代原来的防空炮以作为临时使用，直至设计出其他的防空坦克为止。此后，这一系列以四号坦克底盘为基础而设计的防空坦克都被命名为“四号防空坦克”（Flakpanzer IV）。

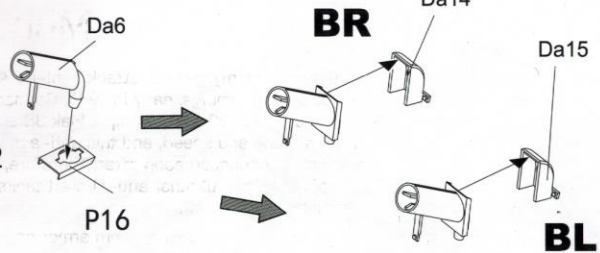
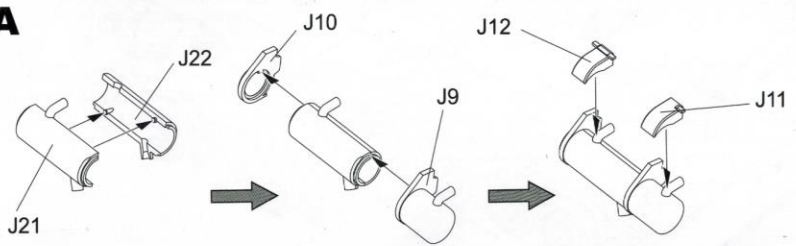
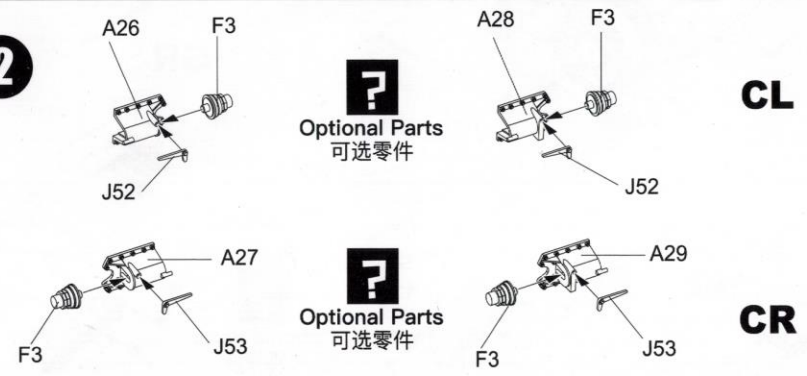
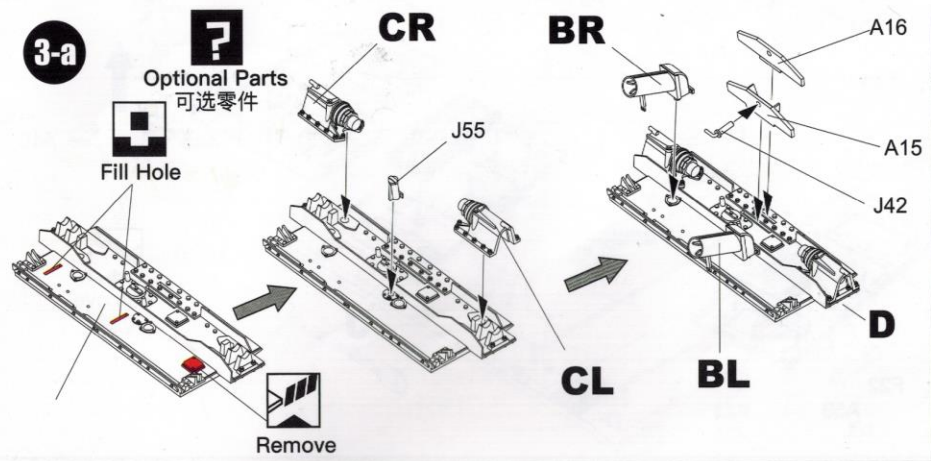
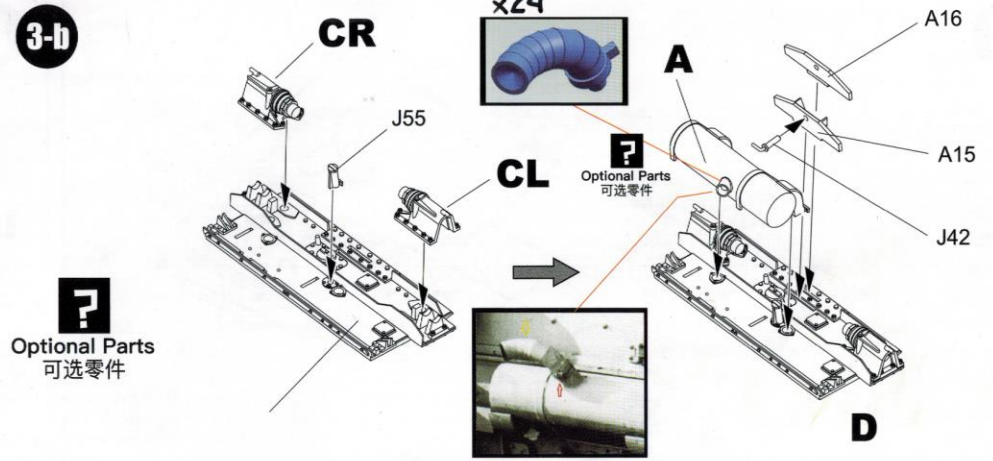
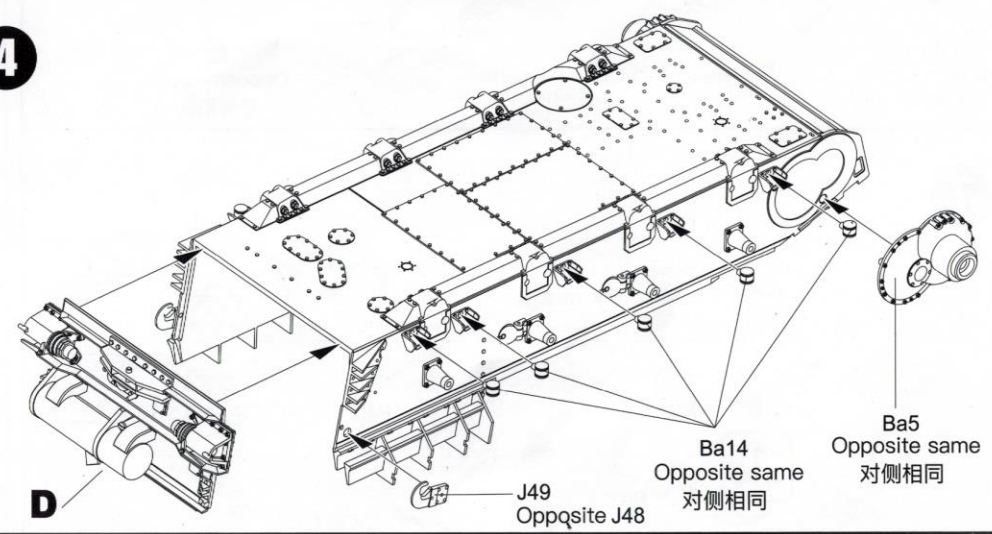
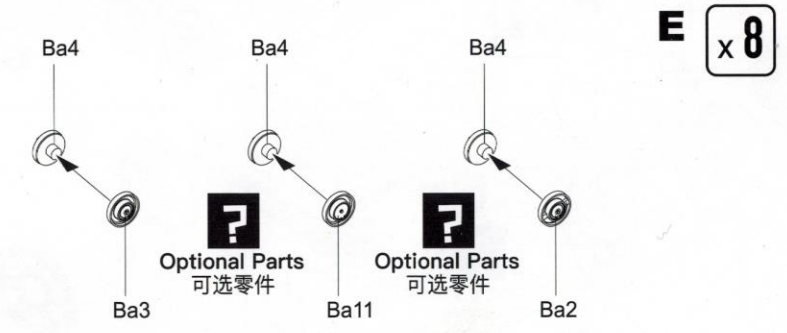
家具车式防空坦克以四号坦克的底盘作为基础，配以一个方形的中空炮塔。这个炮塔的四面装上了10毫米的装甲，后来更替换成20毫米装甲。这些装甲可以随意的放下，让炮塔内的防空炮得以三百六十度旋转及扩大射击角度。此外，其炮塔的装甲也可以完全合上，以作保护炮塔内的乘员，但此时它的火力便不能完全发挥，只能作出小型火力的攻击。而其底盘所使用的装甲为80毫米厚的装甲。大多数的家具车式防空坦克都是使用四号坦克H型或J型的底盘

1944年6月15日，德国军方率先在陆军第九、第十一及第一百一十六这三个装甲师配备了这款防空坦克，并尽数送往西线战场抗击盟军。同年7月，第六、第十九装甲师也被分配一定数量的家具车式防空坦克往东线战场。尔后，德国军方在其余的装甲师中配备少量家具车式防空坦克。在整场战争中，当局只生产了不足300架家具车式防空坦克。而一些后来研发的新式防空坦克如旋风式及东风式却更能兼顾乘员的安全及射击的范围，这就使得家具车式防空坦克逐渐被淘汰。

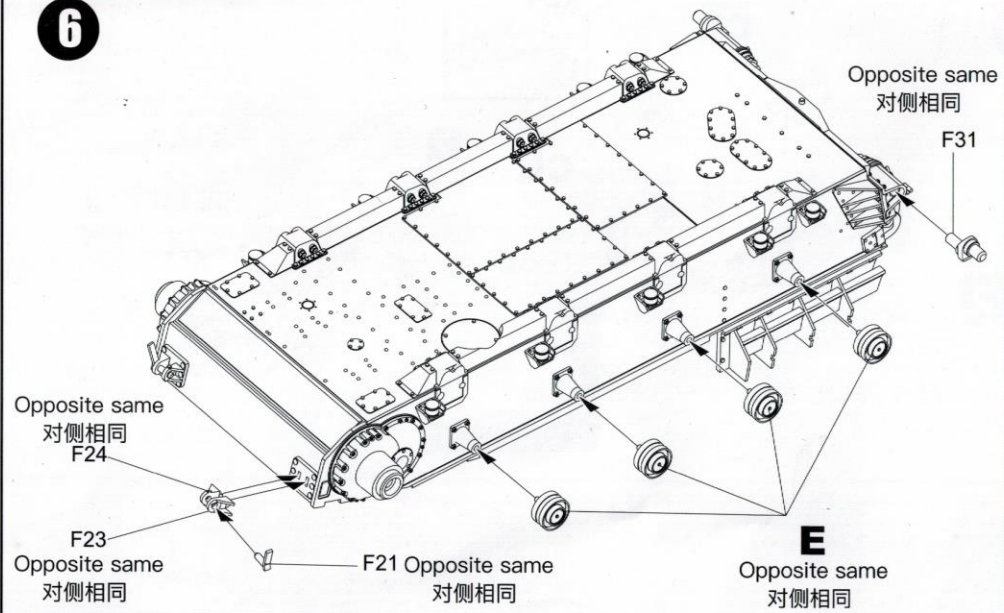


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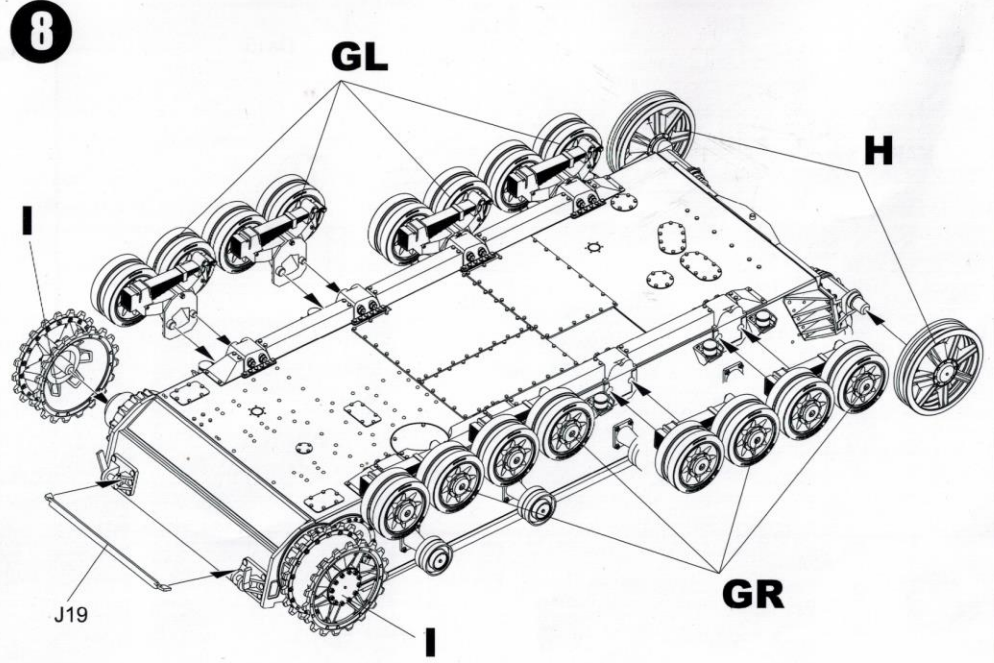
MAKE X2

**A****2****3-a****3-b****4****5****E x 8**

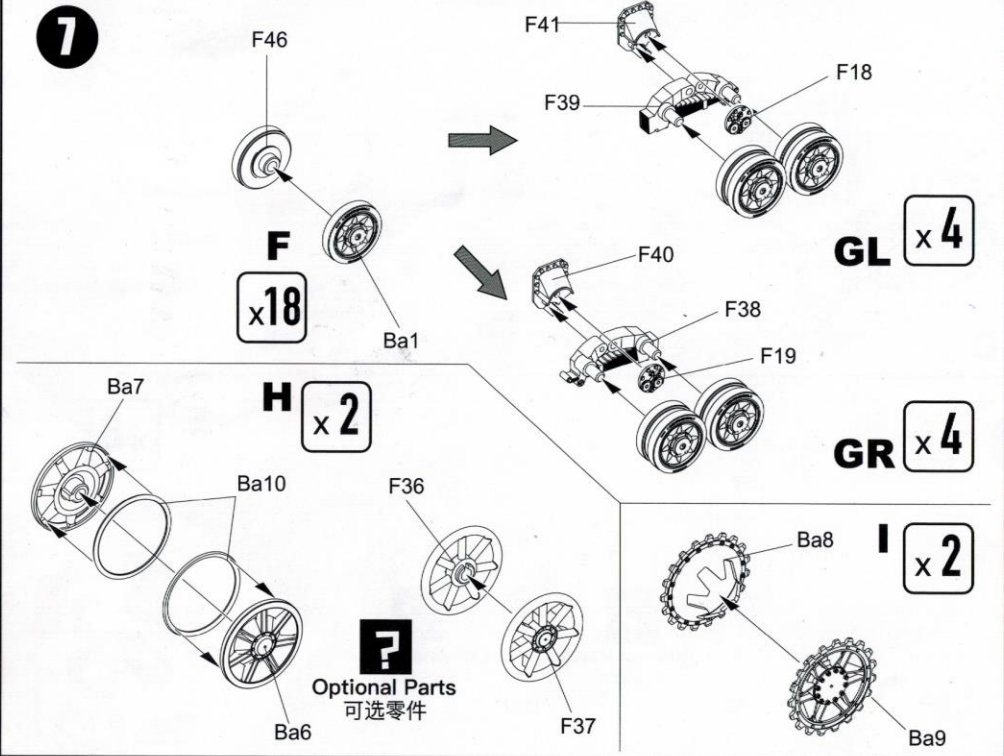
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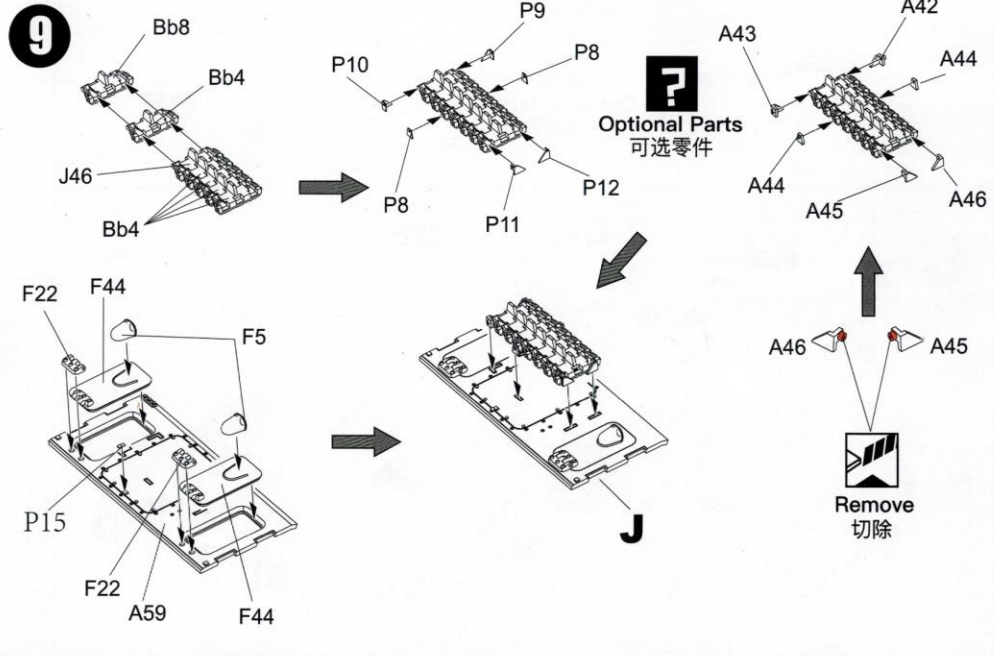
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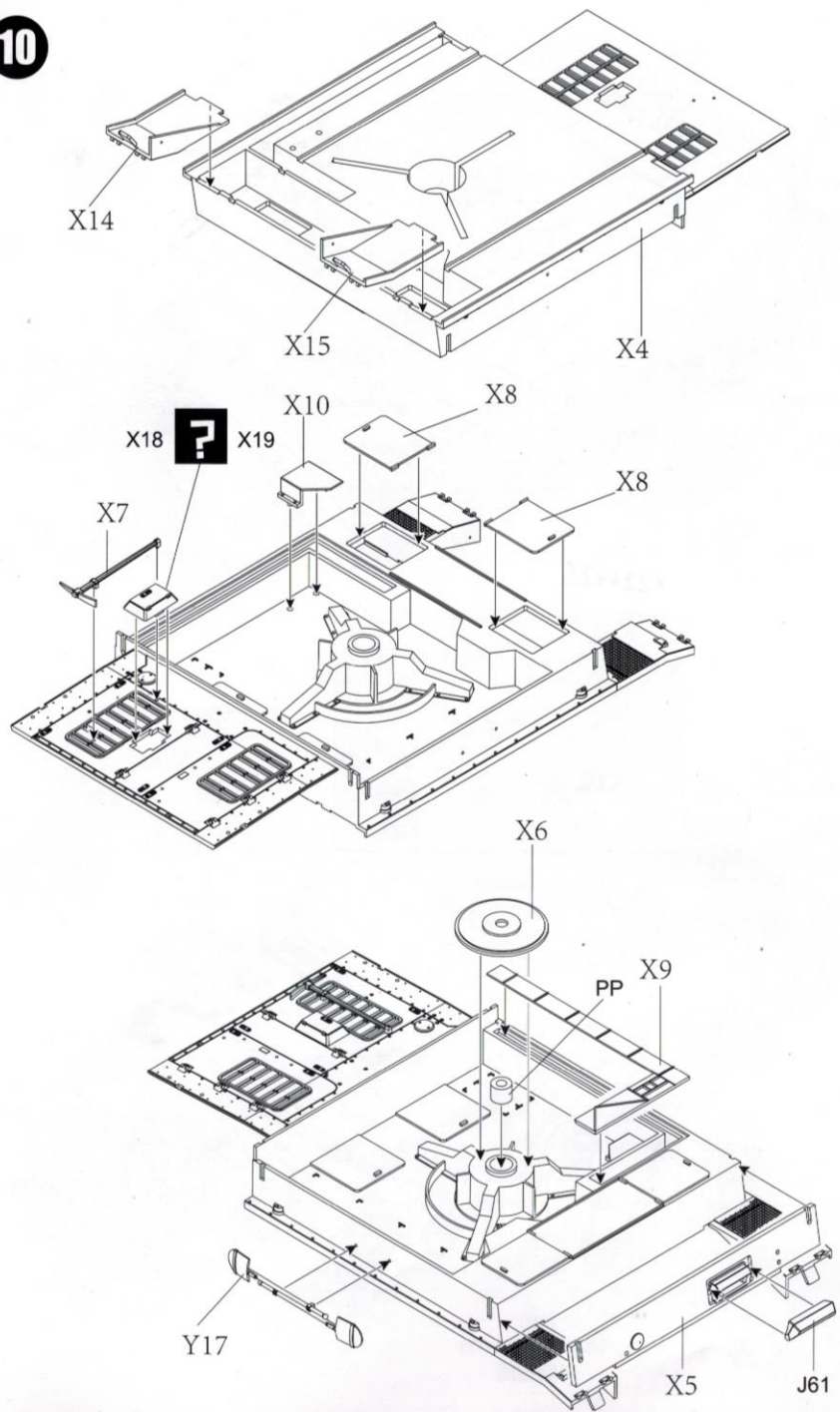
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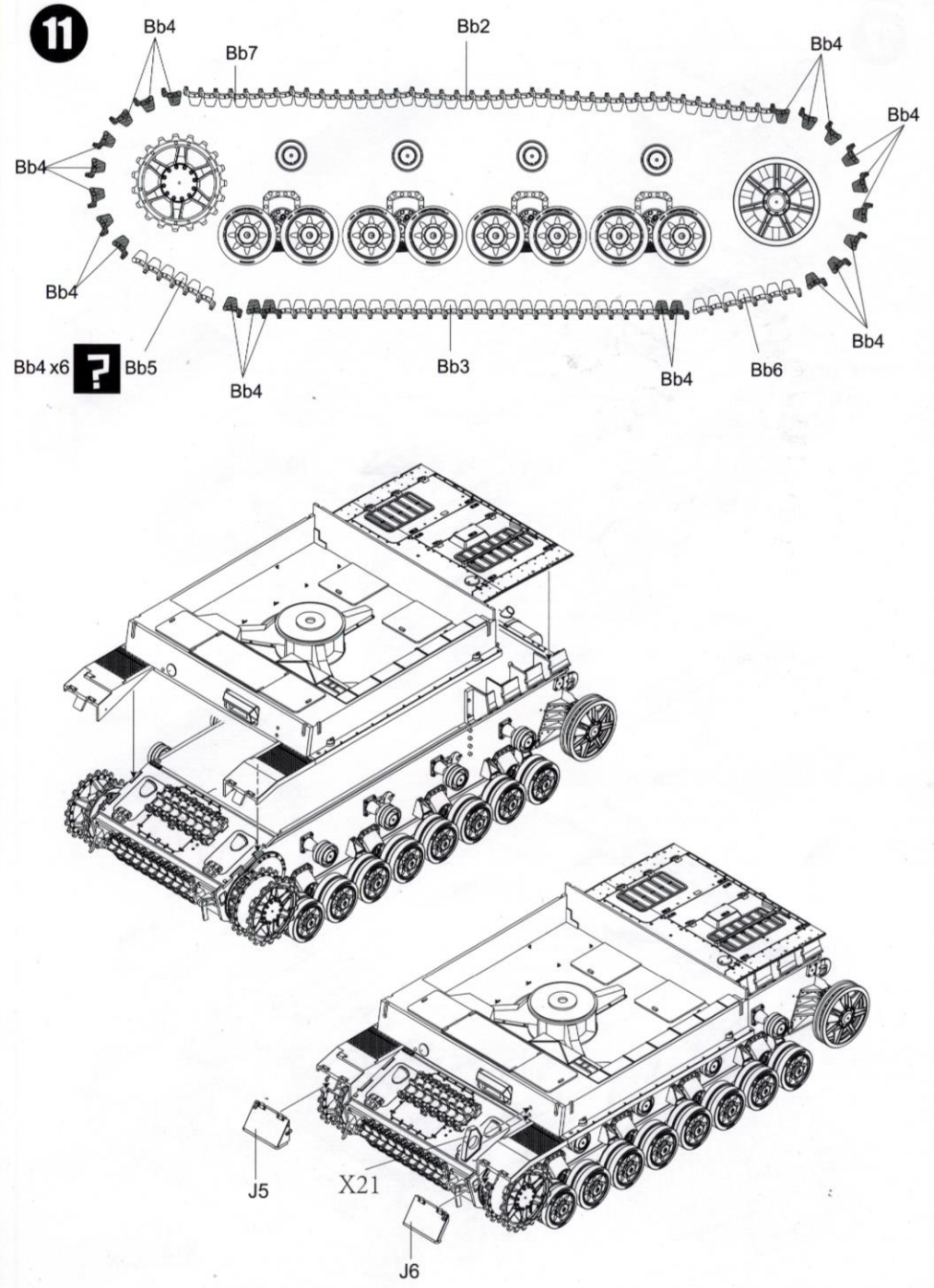
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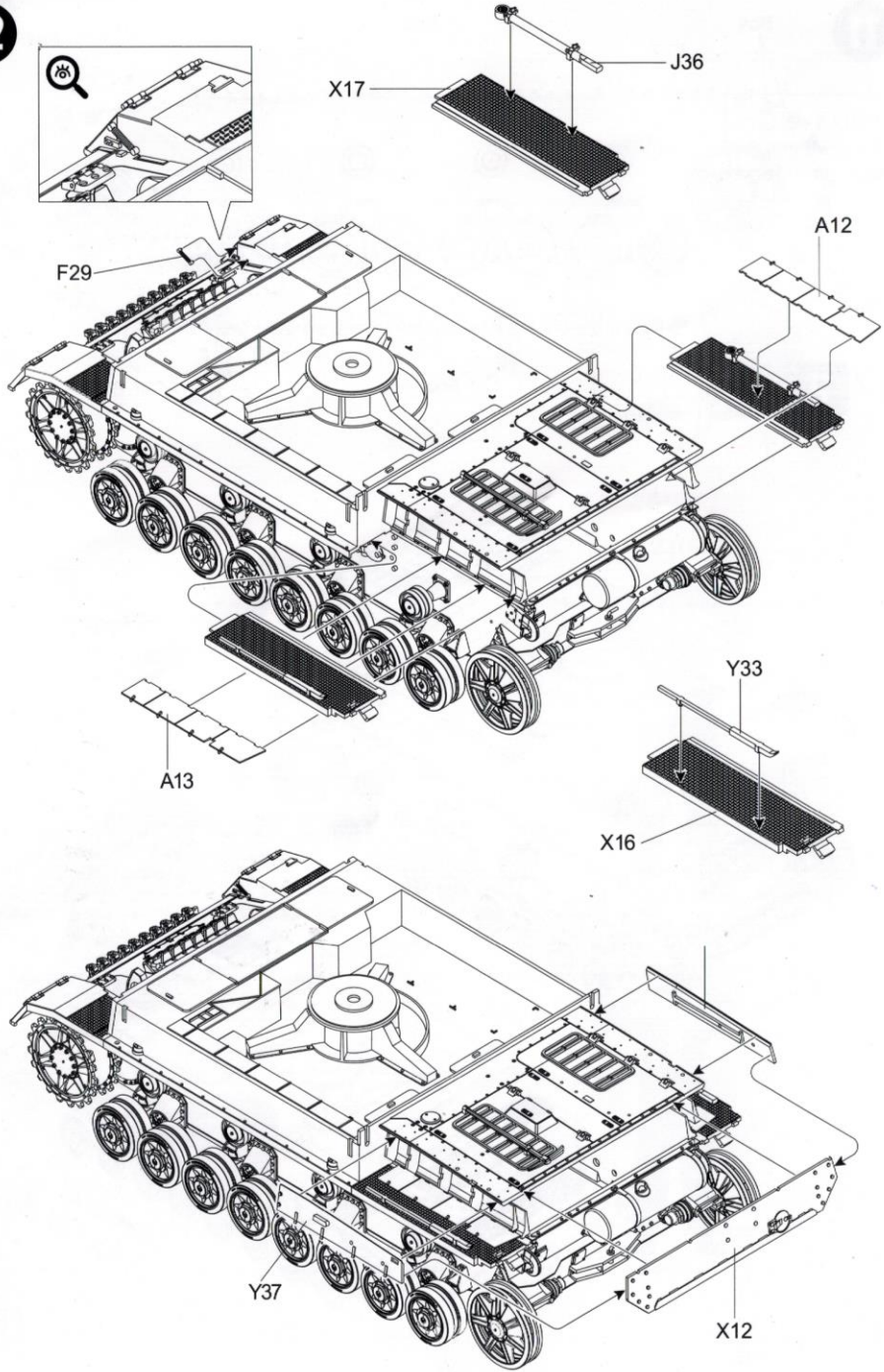
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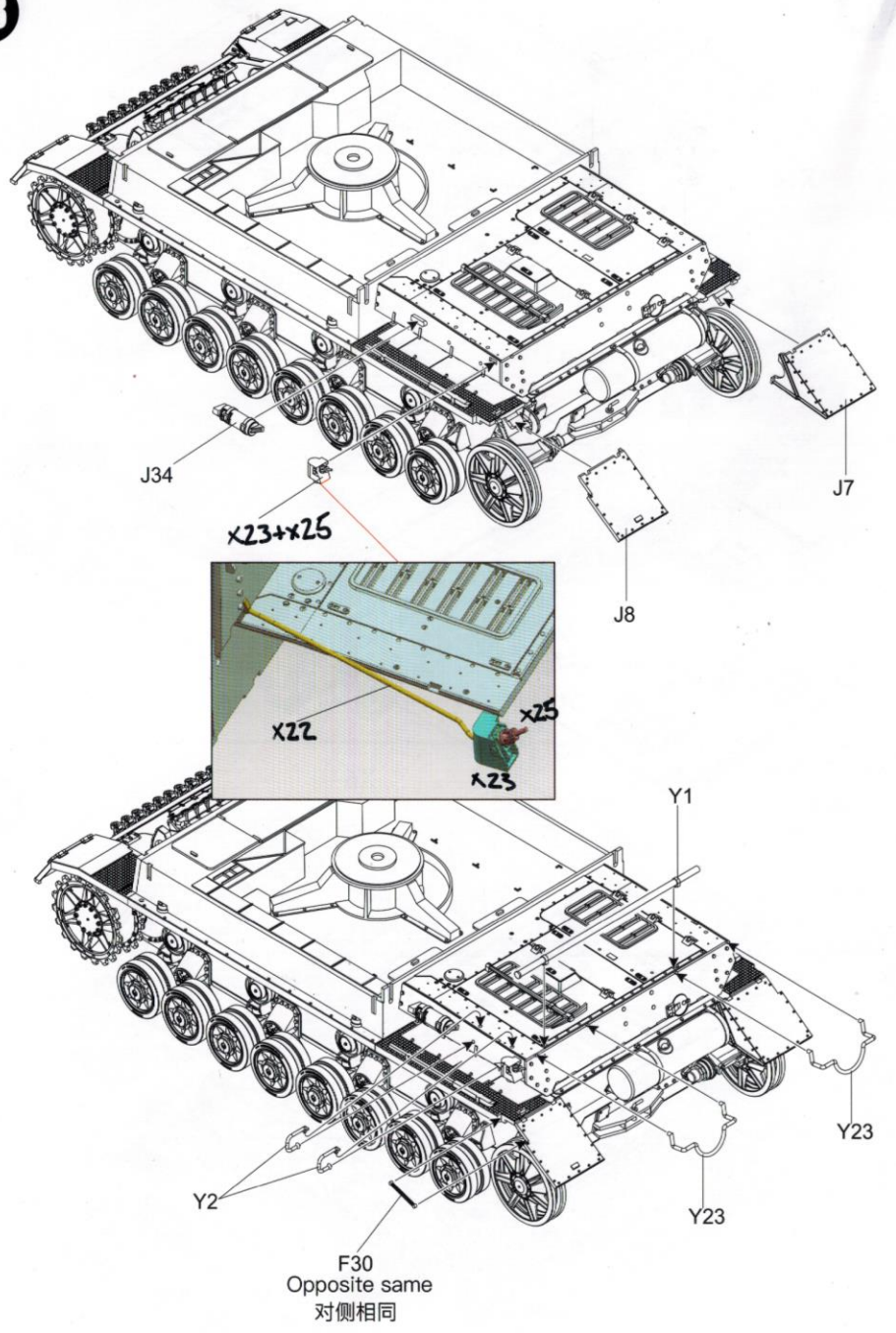
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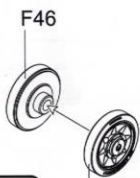
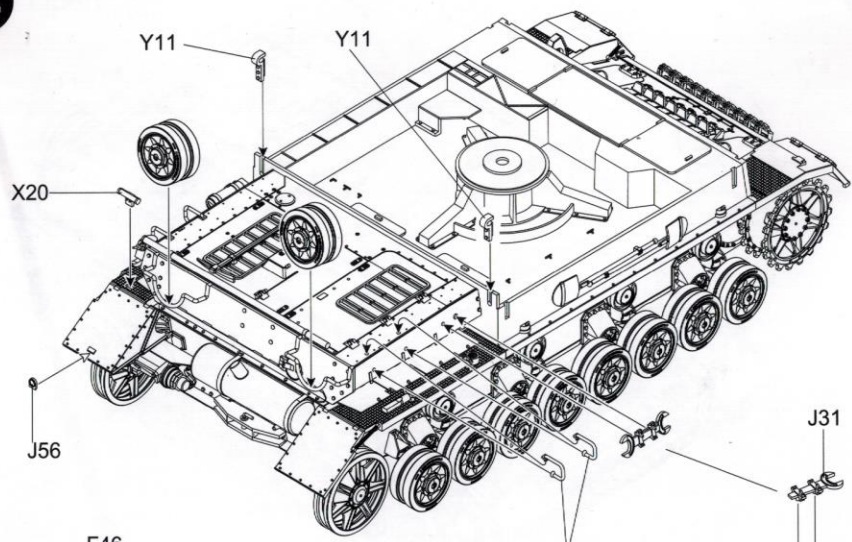
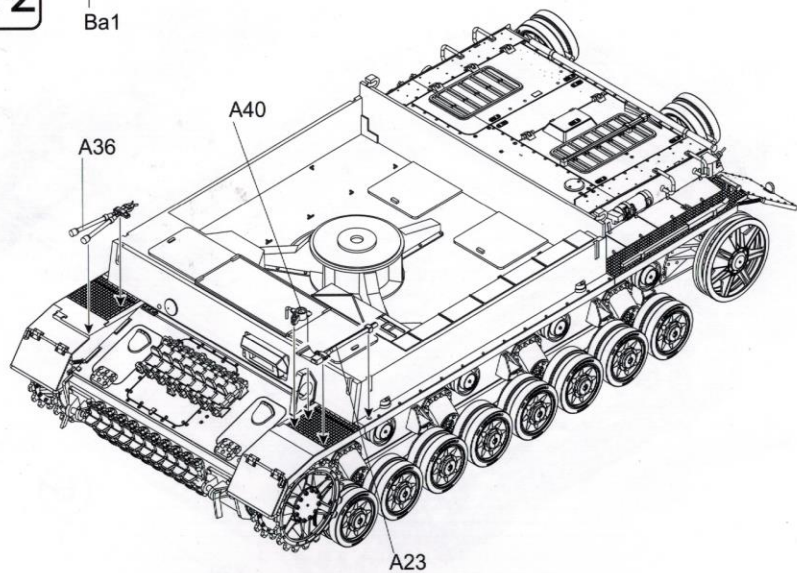
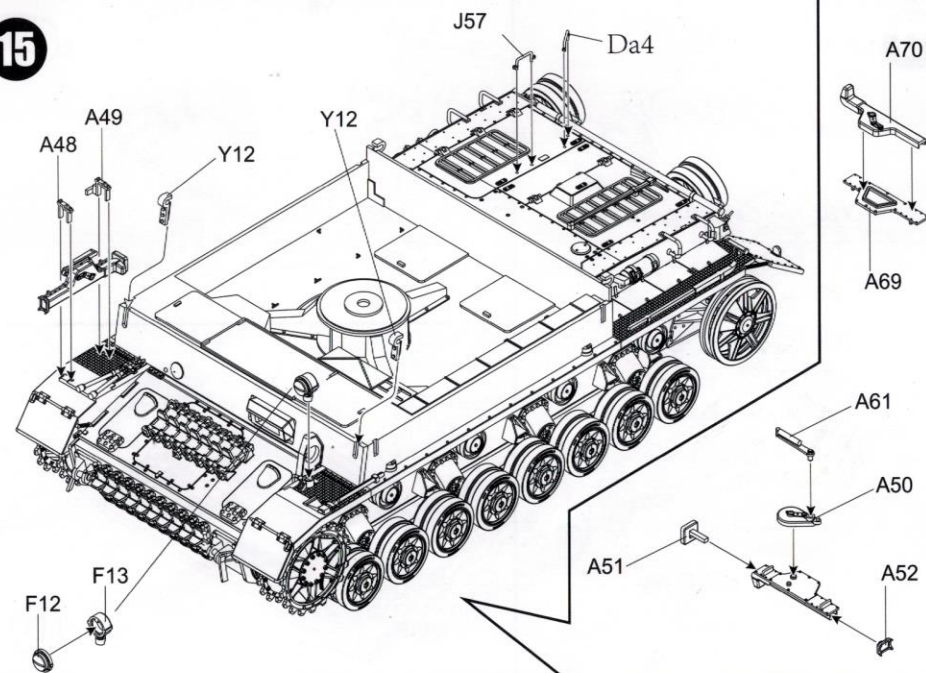
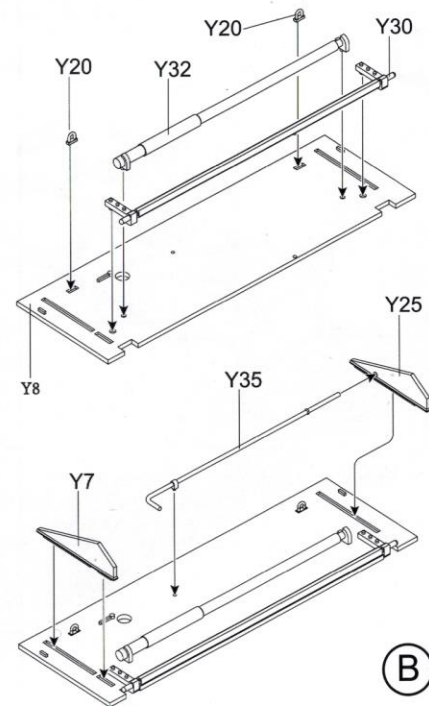
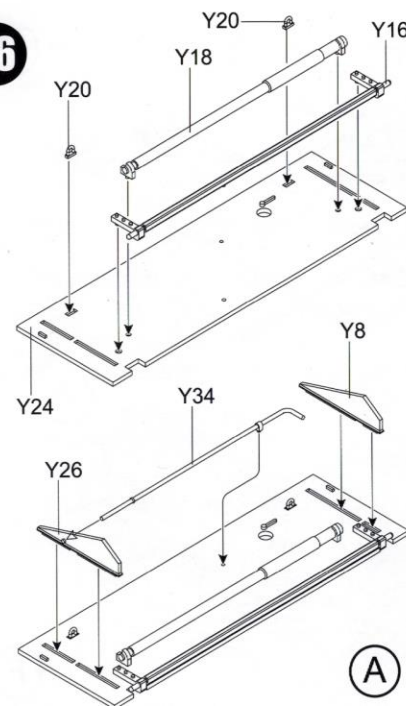


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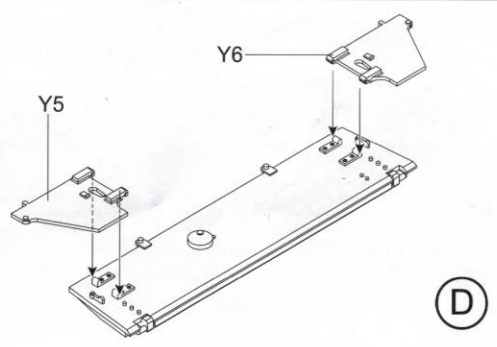
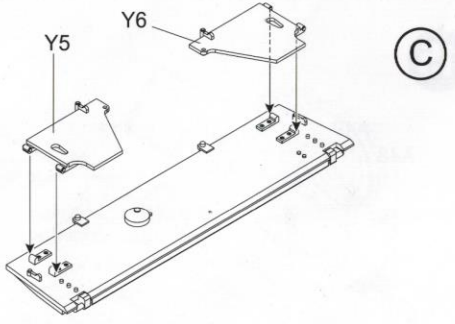
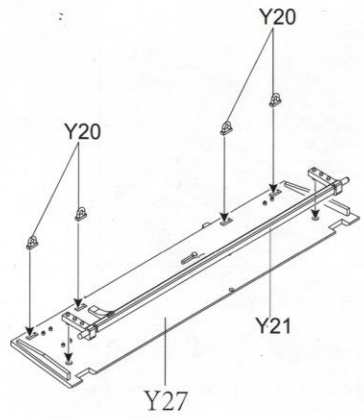


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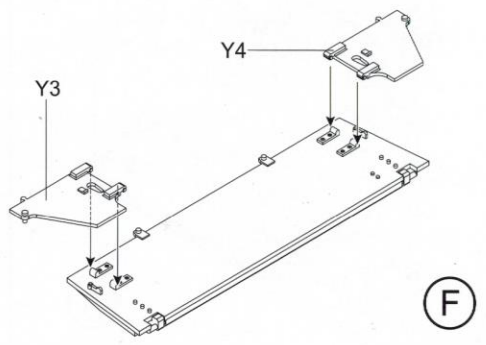
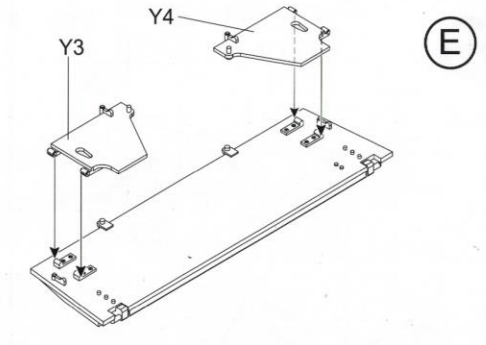
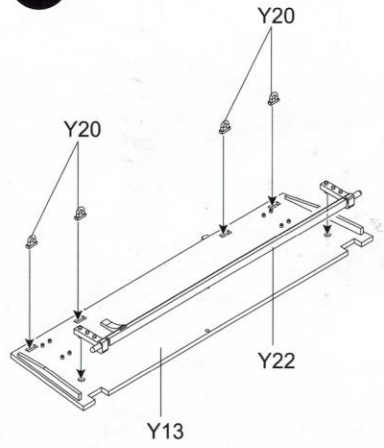


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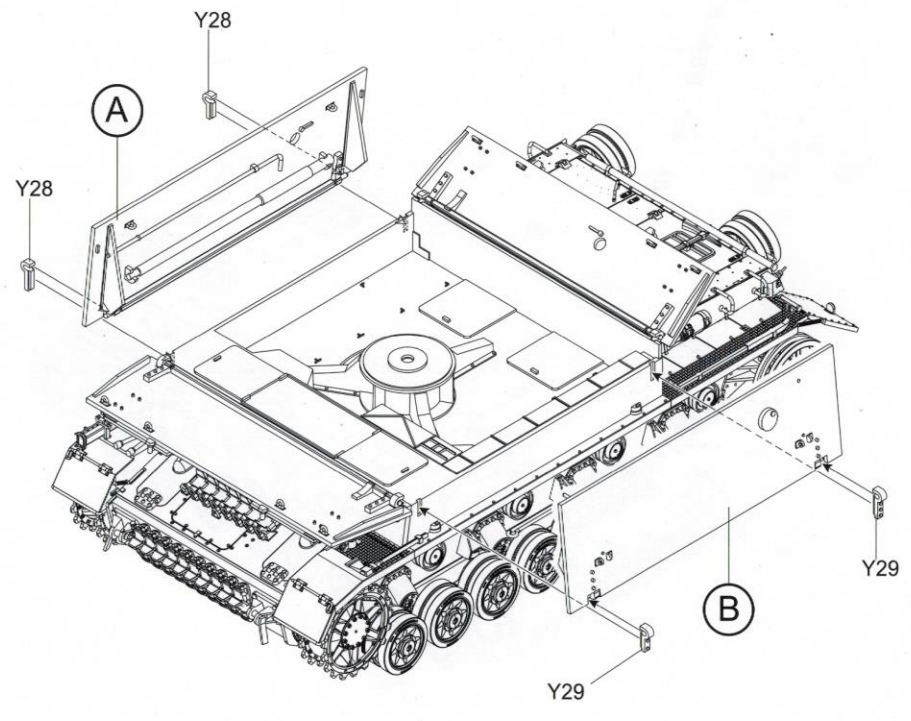
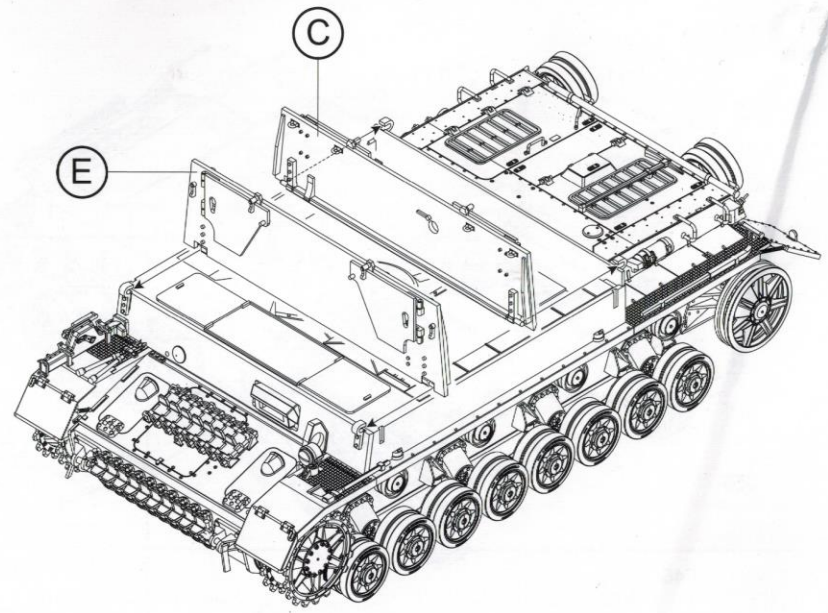
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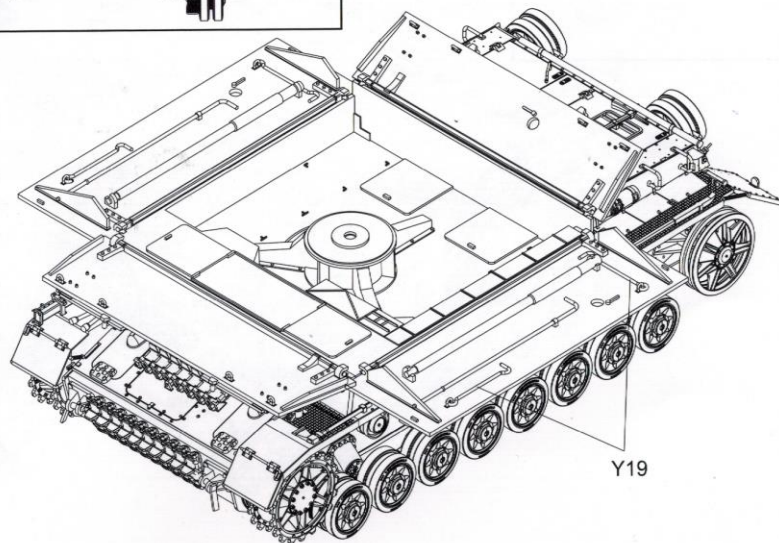
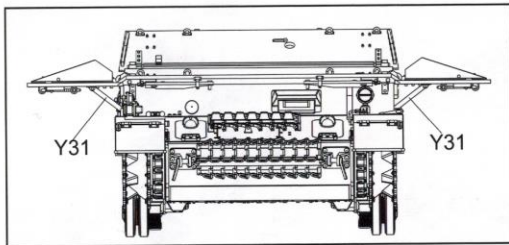
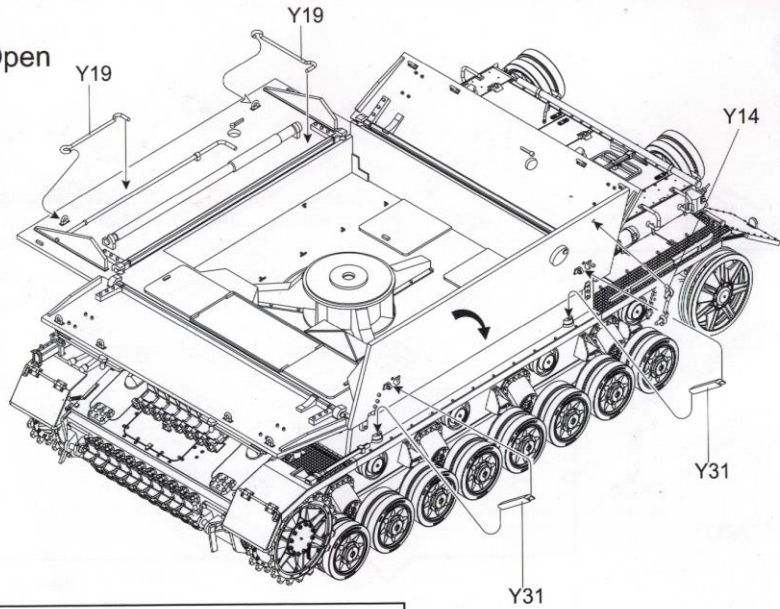
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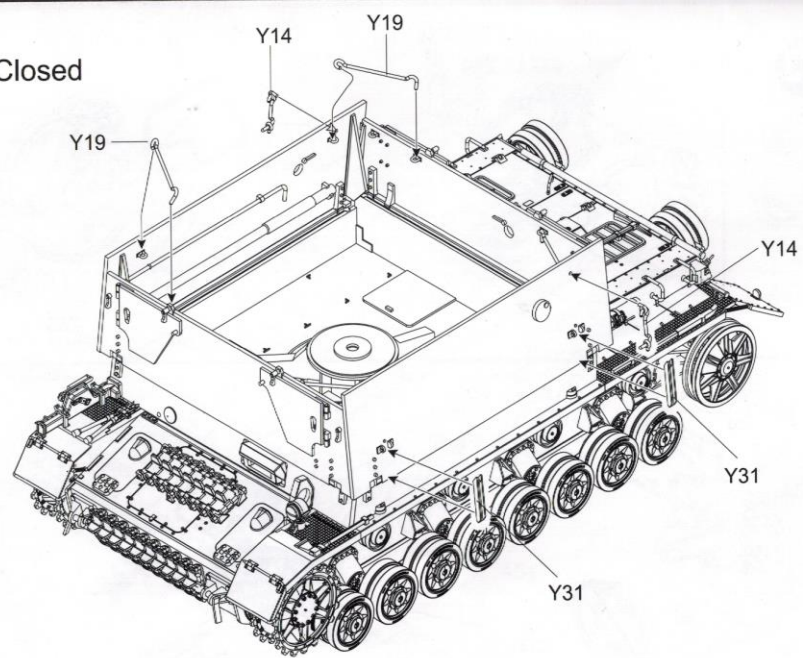
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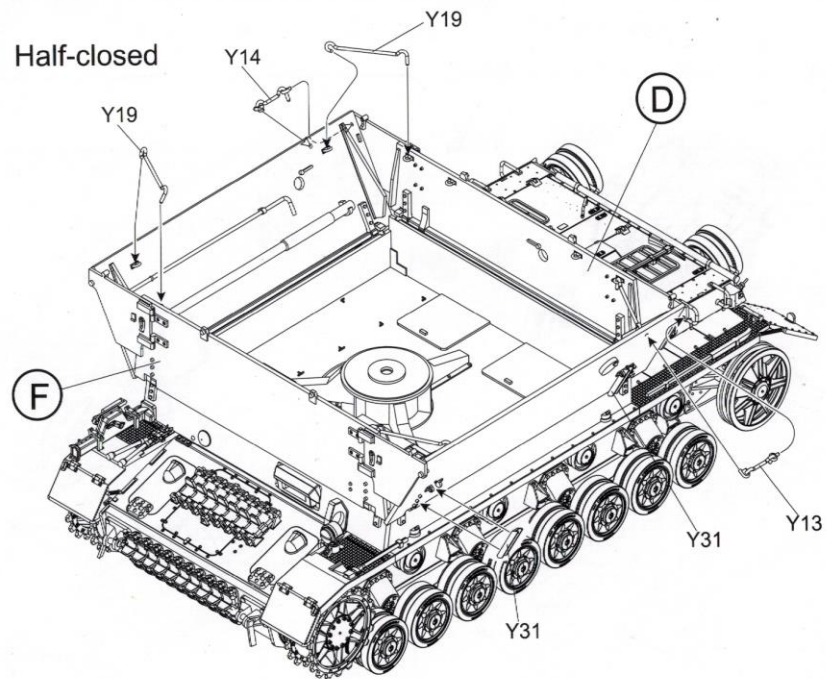
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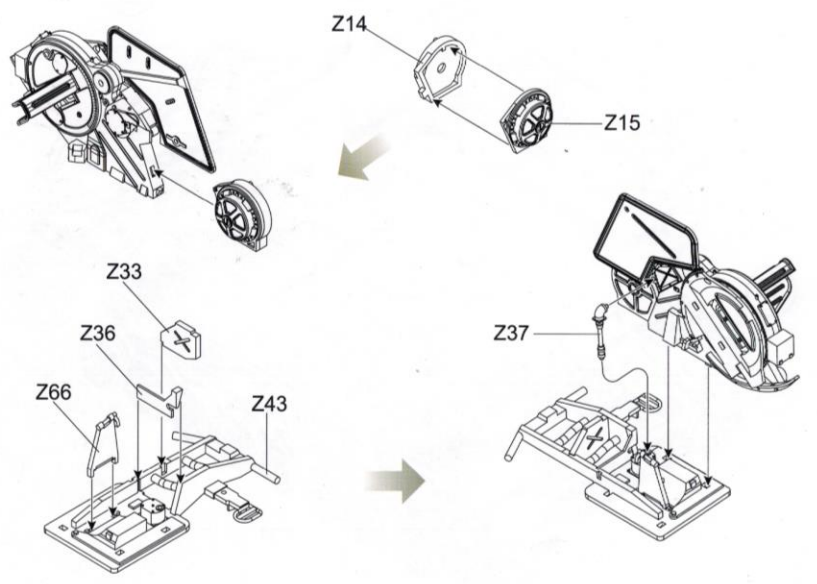
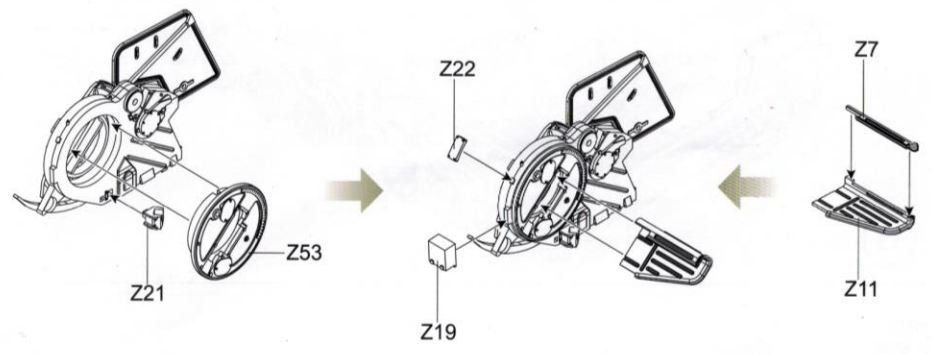
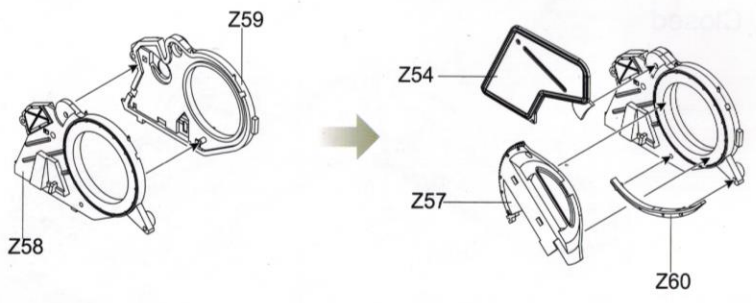
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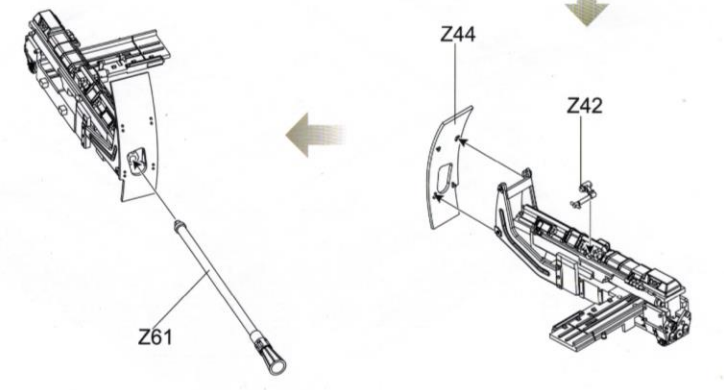
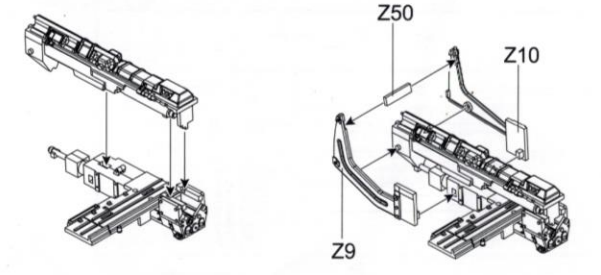
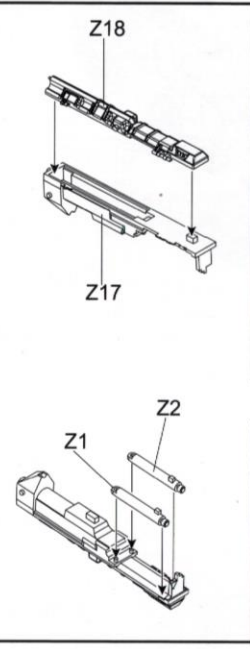
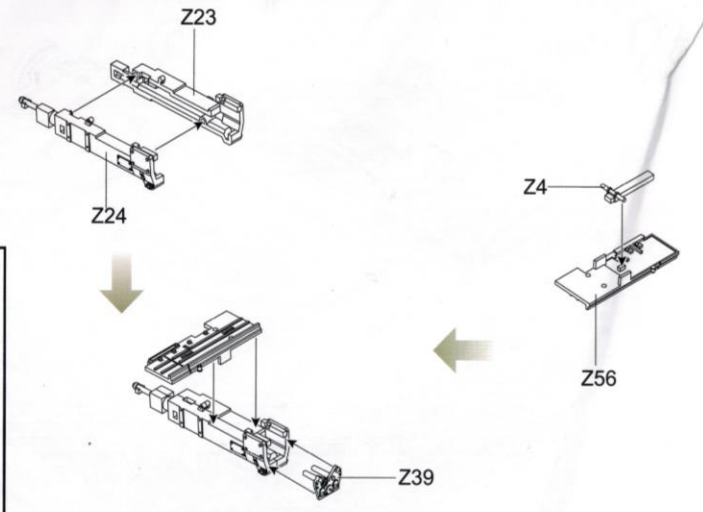
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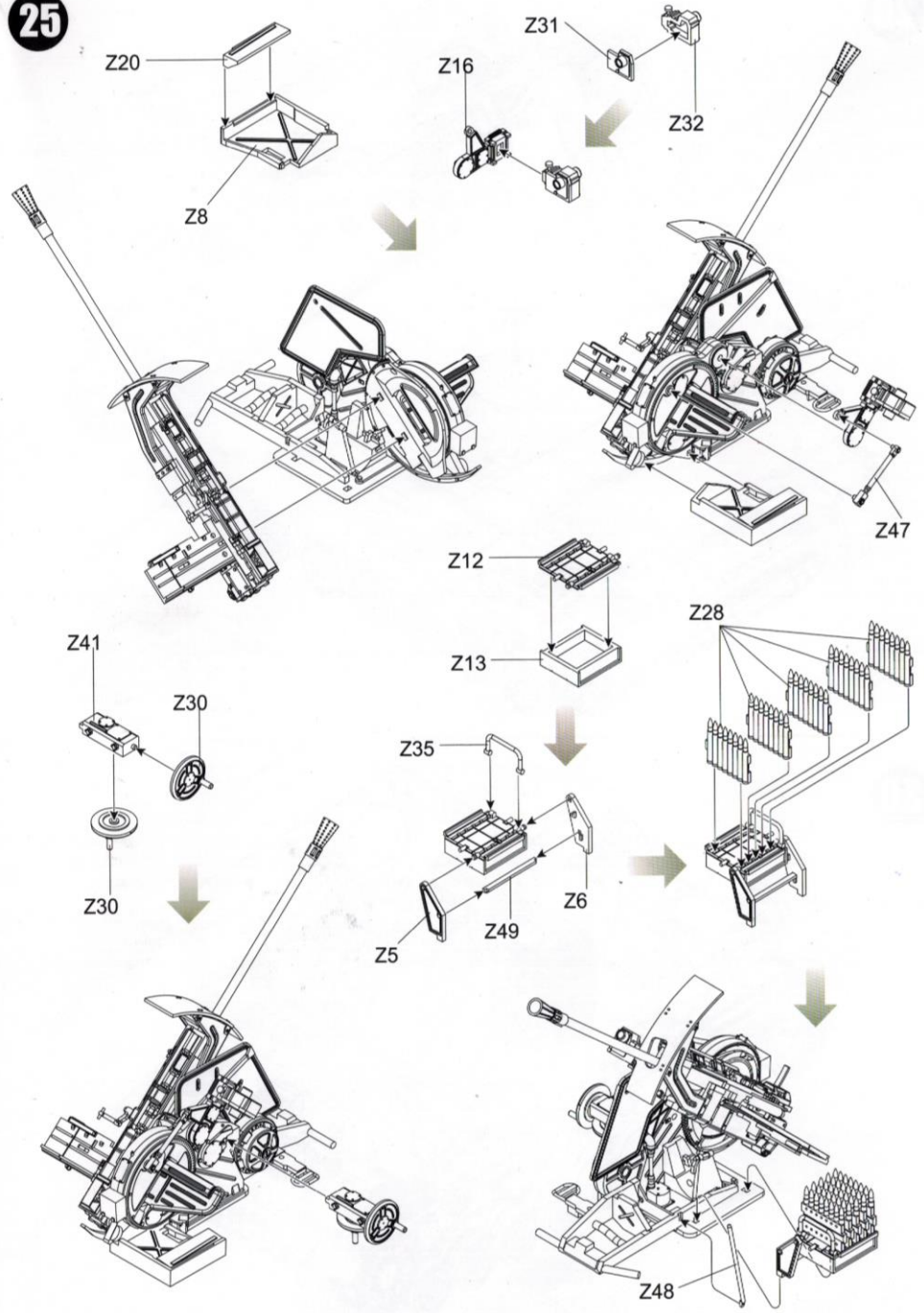
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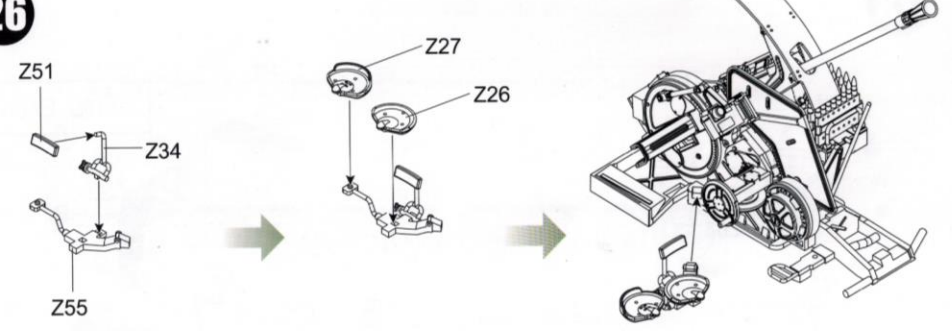
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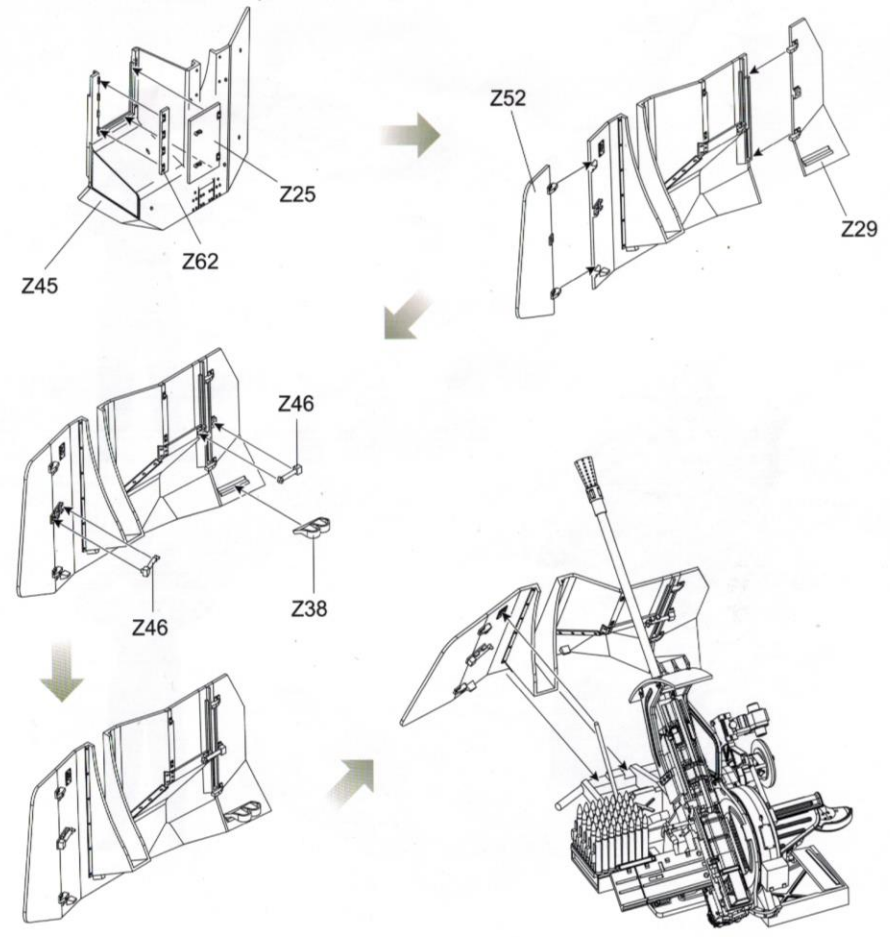
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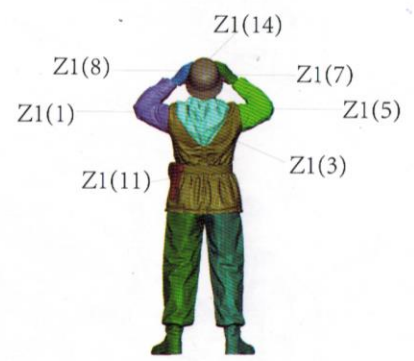
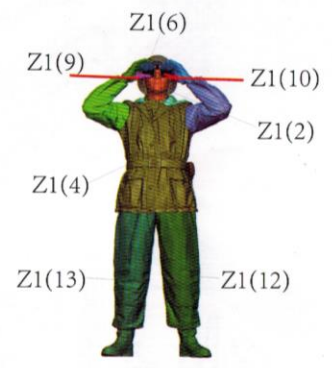
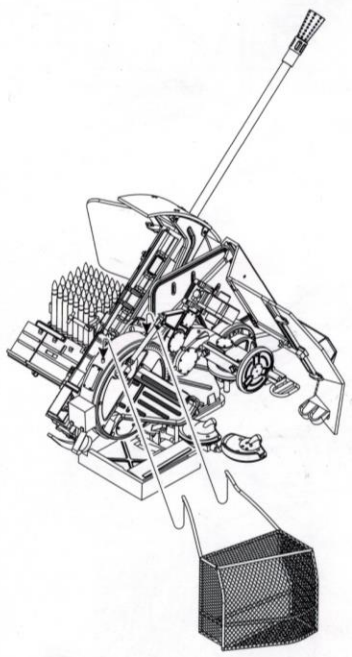
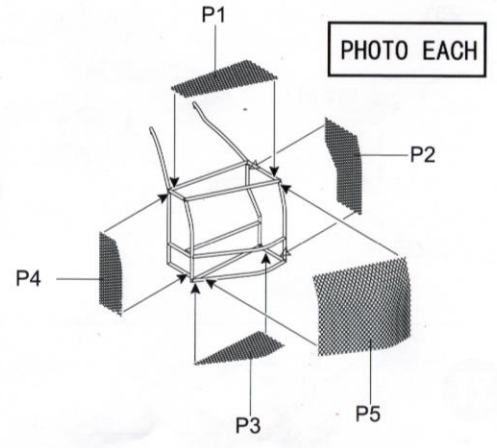
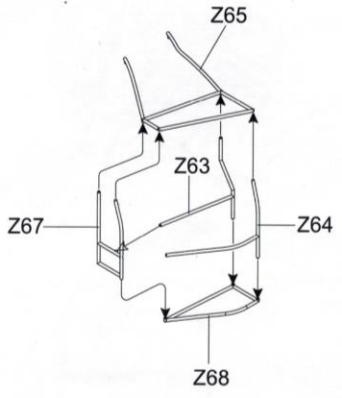
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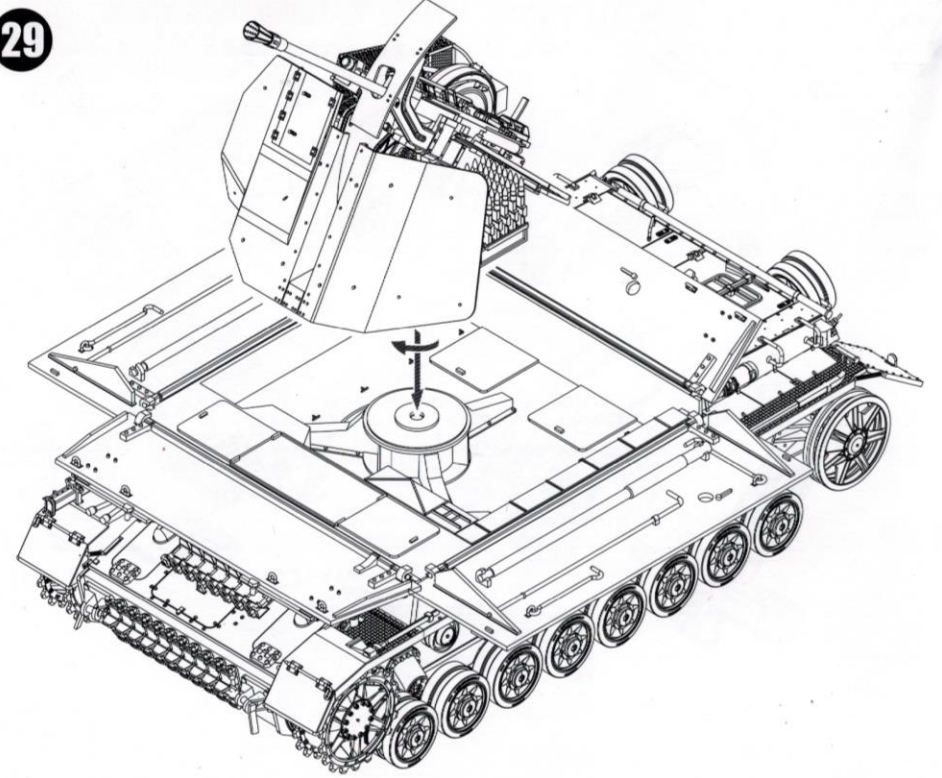
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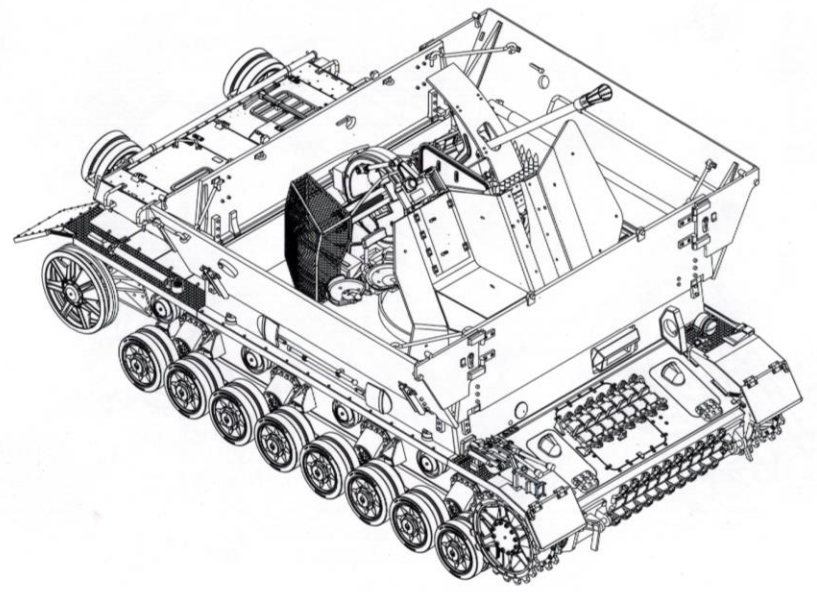
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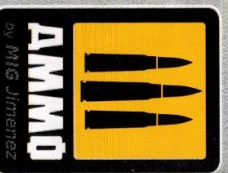
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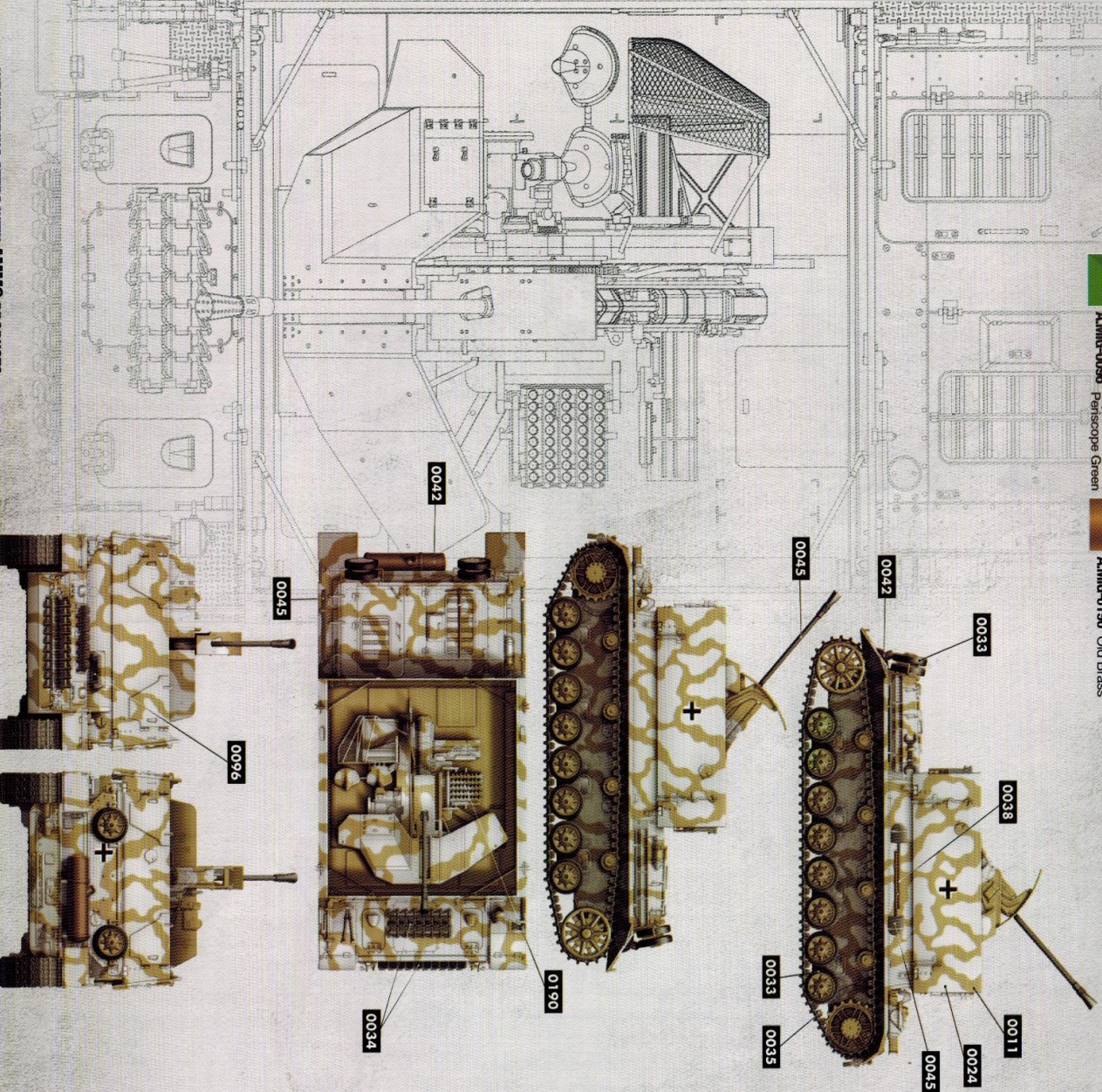
Möbelfwagen



PAINTING AND MARKING GUIDE

BORDER MODEL REF: BT-007 Flak Artillerie Abt. 9.9. PD "Hohenstaufen", Hungary, 1945.

- A.MIG-0011 PA 7028 Durkopp (Asphalt)
- A.MIG-0024 Washable White Camo
- A.MIG-0033 Rubber & Tires
- A.MIG-0034 Rust Tracks
- A.MIG-0035 Dark Tracks
- A.MIG-0038 Light Wood
- A.MIG-0042 Old Rust
- A.MIG-0045 Gun Metal
- A.MIG-0096 Crystal Periscope Green
- A.MIG-0190 Old Brass



WEATHERING STEPS WITH AMMO PRODUCTS

- 1 GENERAL WASH**
A.MIG-1010 Neutral Wash
- 2 CAMO PAINTING**
A.MIG-3001 Oilbrusher White
- 3 FILTER**
A.MIG-0822 Oxide
- 4 CAMO SHADING**
A.MIG-0857 Grey Shader
- 5 DIRT SHADING**
A.MIG-0853 Dirt Shader
- 6 STREAKING**
A.MIG-1255 Winter Grime
Streakingbrusher
- 7 RAINMARKS**
A.MIG-1258 Streakingbrusher Dust
- 8 TRACKS WASH**
A.MIG-1002 Tracks Wash
- 9 DUST**
A.MIG-3029 Winter Soil Pigment
- 10 MUD**
A.MIG-1705 Wet Mud
- 11 SPLASHES**
A.MIG-1754 Damp Earth
- 12 FUEL**
A.MIG-1409 Fuel Stains
- 13 FUEL**
A.MIG-1408 Fresh Engine Oil

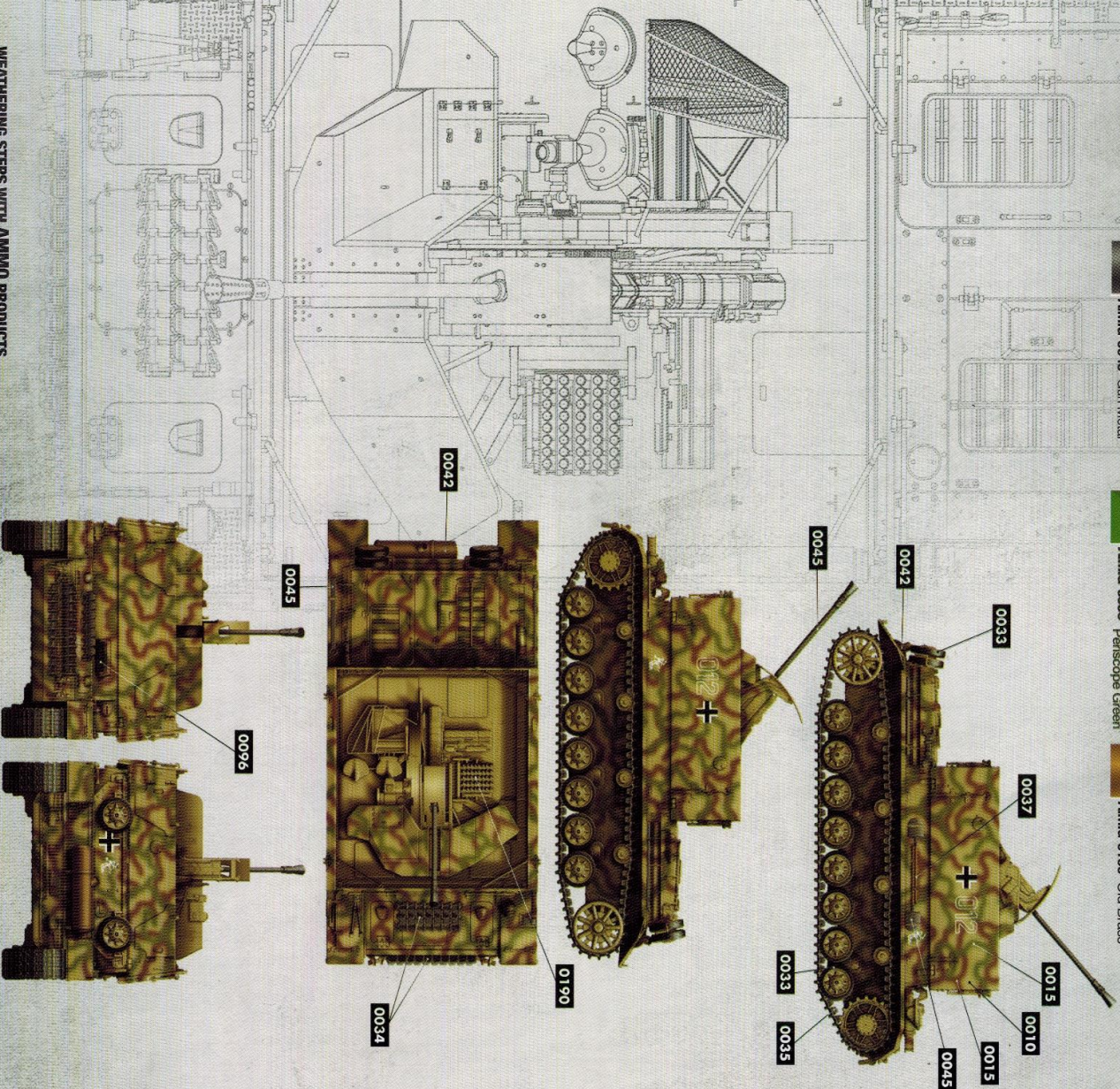
Möbelfwagen

PAINTING AND MARKING GUIDE

BORDER MODEL REF: BT-007

Heeres -Flak -Artillerie -Abteilung 277. 11. PD " Gespensterdivision ", France autumn 1944.

	A.MIG-0002	RAL 8003 Olivgrün Opt.2		A.MIG-0010	RAL 7028 Dunkelgrün (MkVIa)		A.MIG-0015	RAL 8017 Schokoladen		A.MIG-0033	Rubber & Tires
	A.MIG-0034	Rust Tracks		A.MIG-0035	Dark Tracks		A.MIG-0037	New Wood		A.MIG-0042	Old Rust
	A.MIG-0045	Gun Metal		A.MIG-0096	Crystal Periscope Green		A.MIG-0190	Old Brass			



WEATHERING STEPS WITH AMMO PRODUCTS

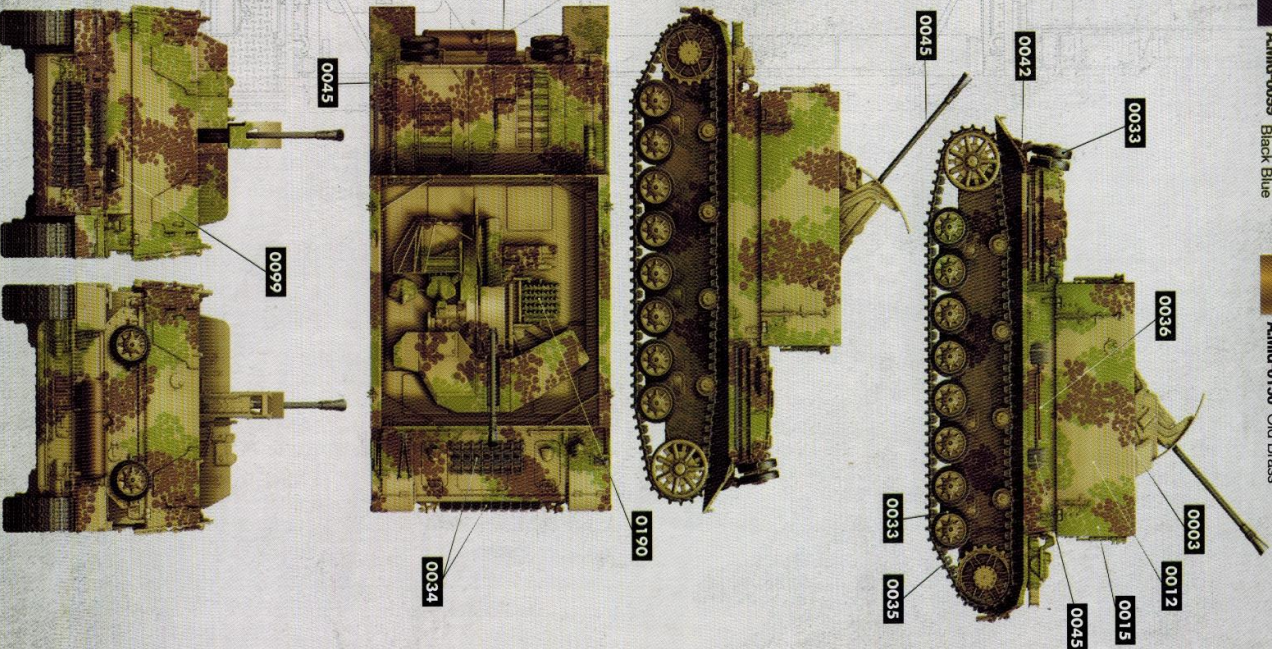
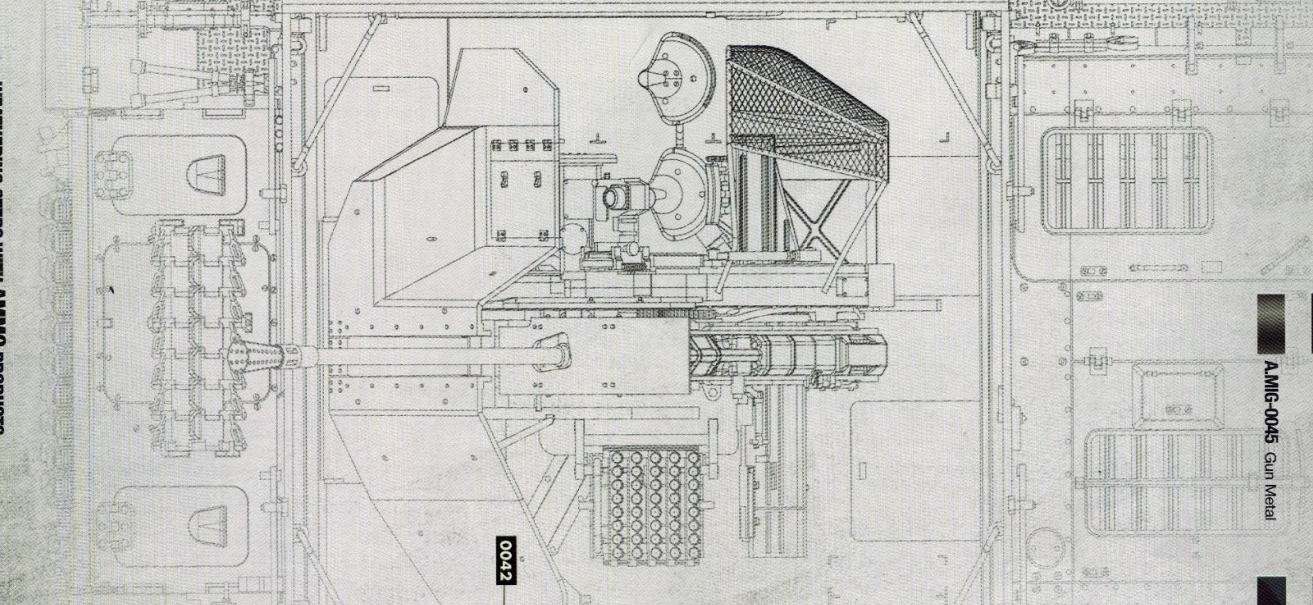
- | | | | |
|-------------------------|--|----------------------------------|-----------------------------|
| 1 GENERAL WASH: | 4 DIRT SHADING | 7 RAINMARKS | 10 MUD |
| A.MIG-1005 Dark Brown | A.MIG-0853 Dirt Shader | A.MIG-1258 Streakingpustler Dust | A.MIG-1704 Heavy Earth |
| 2 FILTER | 5 DETAILS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

Möbelfwagen

PAINTING AND MARKING GUIDE

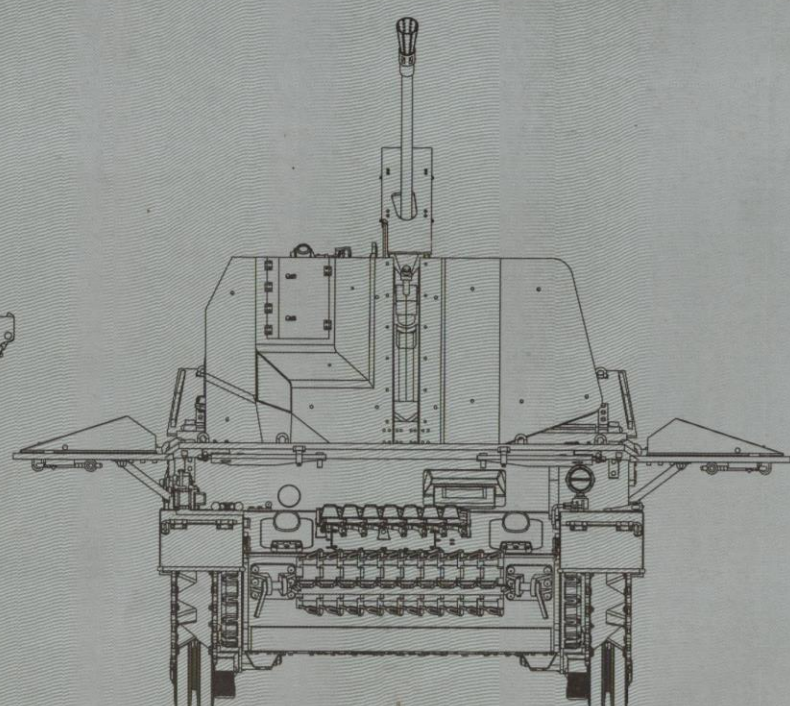
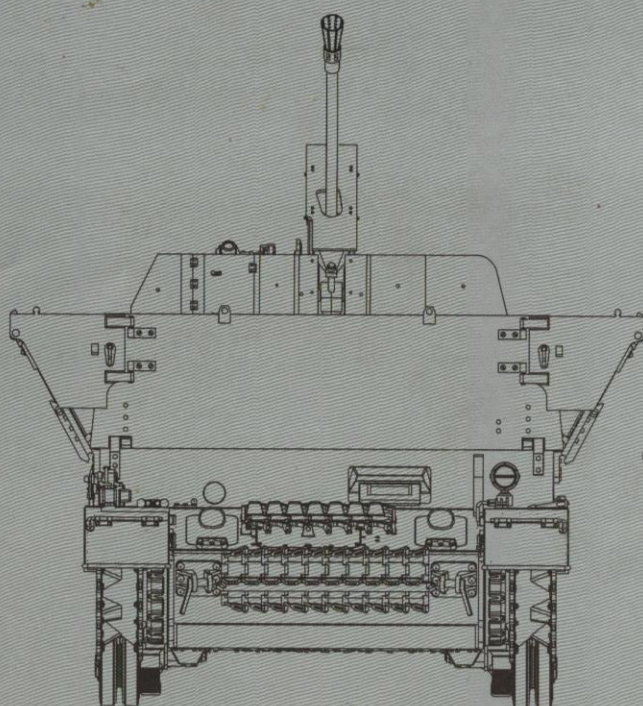
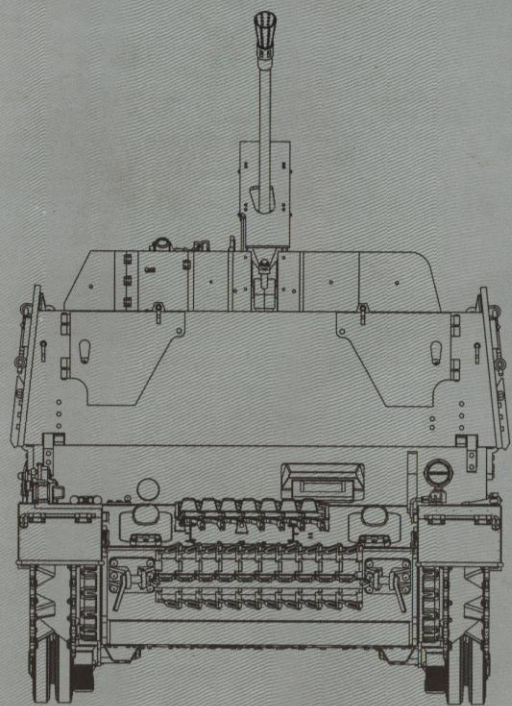
BORDER MODEL REF: BT-007 Unidentified unit, Germany 1945.

	A.MIG-0003 RAL 6011 Resedegrün		A.MIG-0012 RAL 7028 Dunkelgelb Als 41,03 III		A.MIG-0015 RAL 8017 Schokobraun		A.MIG-0033 Rubber & Tires
	A.MIG-0034 Rust Tracks		A.MIG-0035 Dark Tracks		A.MIG-0036 Old Wood		A.MIG-0042 Old Rust
	A.MIG-0045 Gun Metal		A.MIG-0099 Crystal Black Blue		A.MIG-0190 Old Brass		



WEATHERING STEPS WITH AMMO PRODUCTS

- 1 GENERAL WASH**
A.MIG-1000 Brown Wash for German Dark Yellow
- 2 FILTER**
A.MIG-1511 Brown for Dark Yellow
- 3 CAMO SHADING**
A.MIG-0852 Earth Shader
- 4 DIRT SHADING**
A.MIG-0853 Dirt Shader
- 5 DETAILS HIGHLIGHT**
A.MIG-0617 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 SP LASHES**
A.MIG-1753 Turned Dirt
- 12 FUEL**
A.MIG-1409 Fuel Stains
- 13 FUEL**
A.MIG-1408 Fresh Engine Oil



**Bor
der**