

STUH 42 Aust.f.G

PRODUCTION FULL INTERIOR

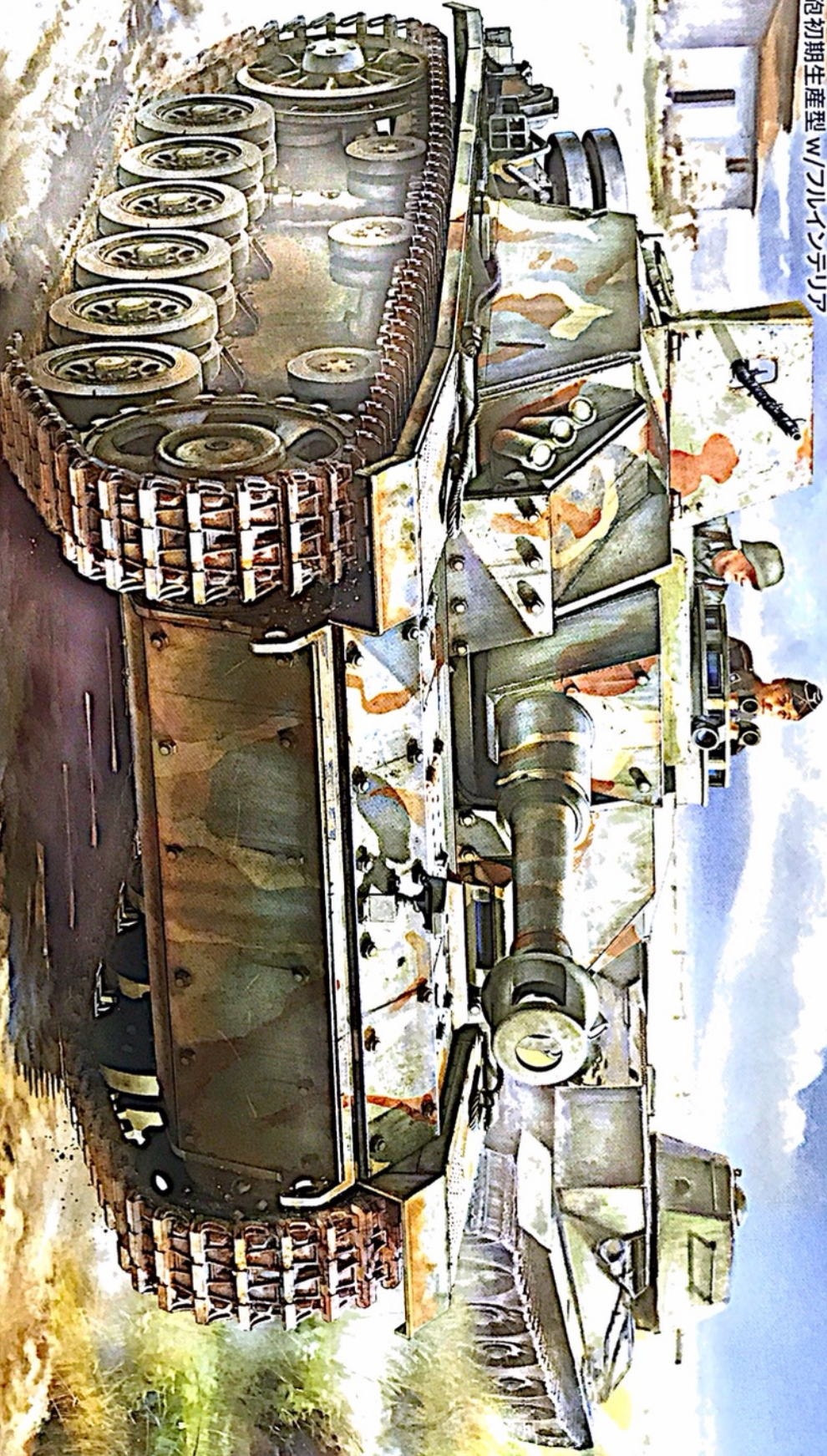
ドイツ軍III号10.5厘米突撃榴弾砲初期生産型w/フルインテリア
德軍III號10.5cm突撃榴彈砲



JASON

Bober

徐建志
XUIMZHI2023



TREX

1/35
SCALE
BT-045

Designed by
T-Rex Studio
in China

- ◆ PE PARTS INCLUDED.
- ◆ 3 SCHEMES OF MARKINGS.
- ◆ CONTAINS A TANK CREW.
- ◆ METAL GUN BARREL INCLUDED.
- ◆ PACKAGES, HELMETS AND OTHER ACCESSORIES ARE INCLUDED.

自从1941年遭遇苏军新型坦克后，德军的突击炮开始装备长身管高初速的火炮。对应的，德军步兵此时也迫切地需要一种更为强大的支援武器来对付敌军的步兵和防御工事。于是，被称为42型突击榴弹炮 (Sturmhaubitze 42) 的三号底盘自行榴弹炮应运而生。

1942年10月2日，希特勒参观了一种新型的装甲战斗车辆，这种车辆在外观上很像此前的三号突击炮：车体两侧装有负重轮，没有炮塔，取而代之的是一个内置火炮的外形低矮的战斗室，但与通常装备75mm火炮的三号突击炮不同的是，它装备了一门更为粗壮的105mm榴弹炮。元首对此非常满意，他称之为“突击榴弹炮 (Sturmhaubitze)”，与早期三号突击榴弹炮的定位一样，作用也同为步兵提供火力支援。随着遭遇越来越多的敌军坦克，原本用于支援步兵的三号突击榴弹炮越来越多地被用于反坦克作战，偏离了它此前的定位。因此，前线步兵迫切地需要一种新的装甲车辆来填补步兵火力支援的空缺。

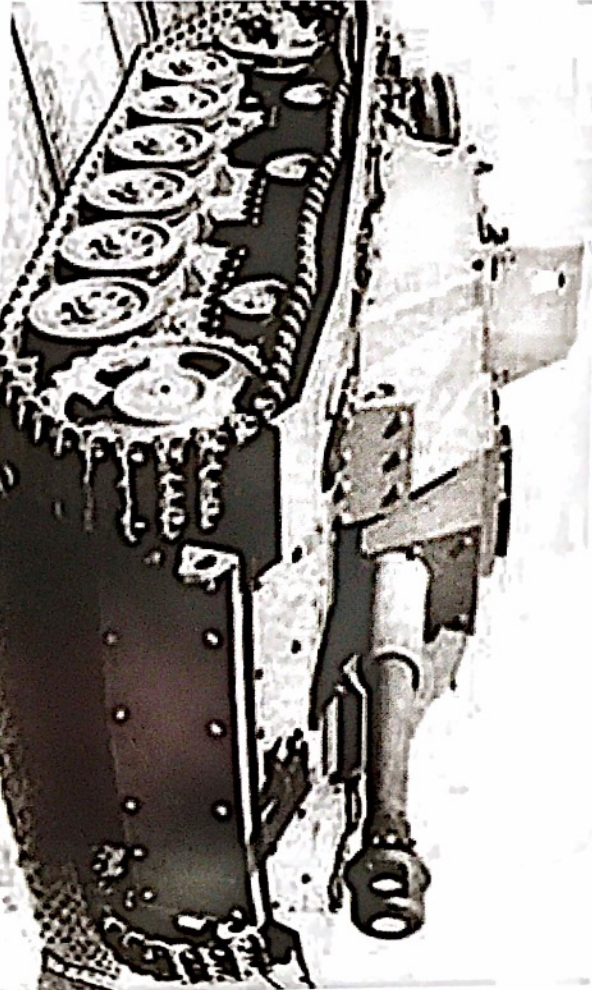
因此，德军开始寻找一种新的解决方案。基于三号突击榴弹炮G型的底盘，德国工程师们几乎照搬了三号突击榴弹炮G型的结构，不同之处在于将原来的75mm L48火炮换成了一门105mm L28榴弹炮。其他的改进包括电击发的开火机构和炮口制退器。由于装备了炮口制退器，炮弹可以使用更多的发射药，因此主炮射程也得以提升。空心装药被用于牵引式105mm榴弹炮的发射药被设计为“10.5厘米42式突击榴弹炮L28”，使用和牵引式火炮相同的弹药，初期型的携带弹药为36发榴弹和发射药，改进后则可以携带48发炮弹，其中10发是空心装药榴弹。其中10发是空心装药榴弹，这使得突击榴弹炮对敌方工事和火力点猛烈开火，前期步兵攻击时，在突击榴弹炮G型完全一样，1943年夏天，数十辆突击榴弹炮被交付到前线部队，7月5日库尔斯克战役打响时，参战的南方集团军群和中央集团军群一共拥有68辆突击榴弹炮。在激烈的战斗中，“突击榴弹炮”是一种有效的步兵支援武器，它们以平射的方式朝着敌方工事和火力点猛烈开火，前期步兵攻击时在完成本职工作的同时，它们很少被用于对付敌方装甲车辆。由于榴弹炮射速较慢且装甲能力不佳，它们不是对付装甲目标的有效武器。1944年9月17日，盟军在荷兰圣雷耳本大规模的空降行动，代号“市场花园”启动，此地的德军仅拥有少量及其稀少的坦克或突击炮（整个地区仅有5辆），但两天后，盟军的空袭摧毁了德军在圣雷耳本的一辆突击榴弹炮和一辆半履带车。在当地的德军步兵兵营中，它们一起被摧毁了。1944年10月6日，在德军境内的于巴赫，炮台开火，避免无休止的突击榴弹炮投入不利的近战。在1944-45年的冬天，随着各条战线的崩溃，德军可用的突击榴弹炮的数量急剧下降，后方的补充也即将中断：在生产了1298辆突击榴弹炮后，阿尔斯特公司中止了突击榴弹炮的生产，目的可能是增加普通三号突击榴弹炮的产量——可能此的总体上赋予守势的德军更急需的是反坦克火力。总的来说，突击榴弹炮的表现达到了设计时的预期目标，它的技术相对成熟，可靠性高，尽管火力提升后的“怒汉”式突击榴弹炮“突击虎”反坦克榴弹炮更弱一些，但由于数量有限，它们未能对战局产生明显的影响。

After encountering new Soviet tanks in 1941, the German assault guns began to be equipped with long-barreled, high-velocity cannons. Correspondingly, German infantry urgently needed a more powerful support weapon to deal with enemy infantry and fortifications. Thus, the Sturmhaubitze 42, a self-propelled howitzer on a Panzer III chassis, was born.

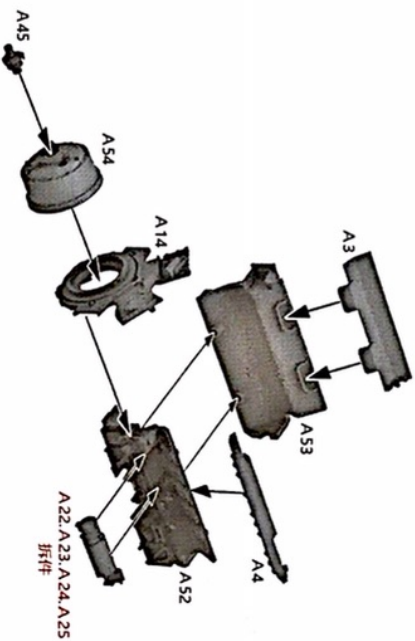
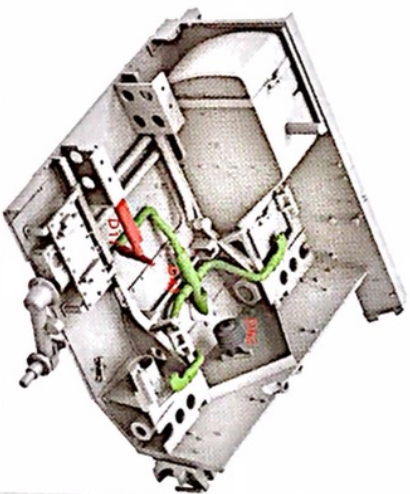
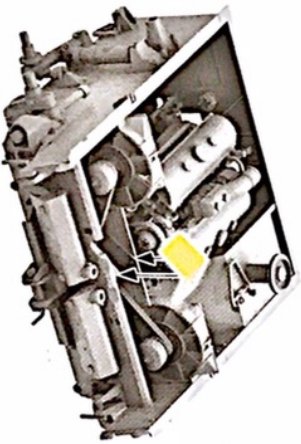
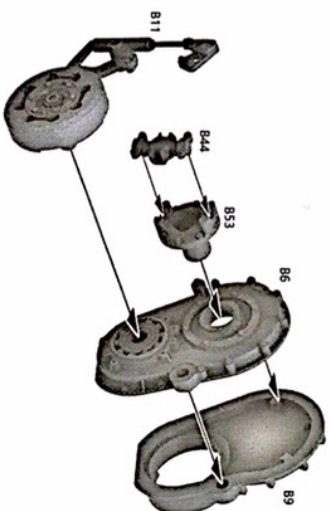
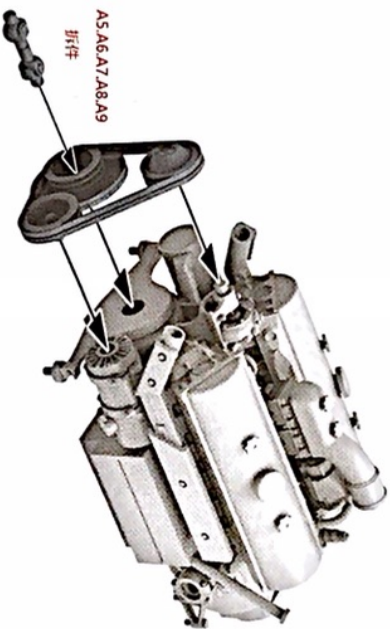
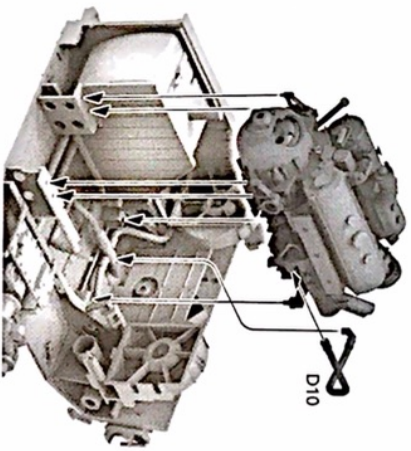
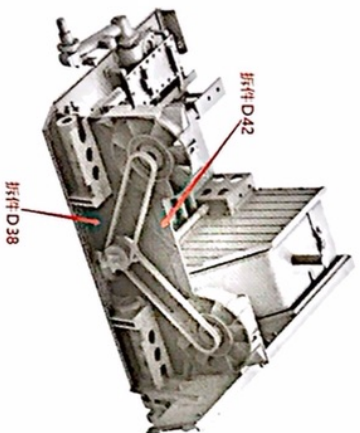
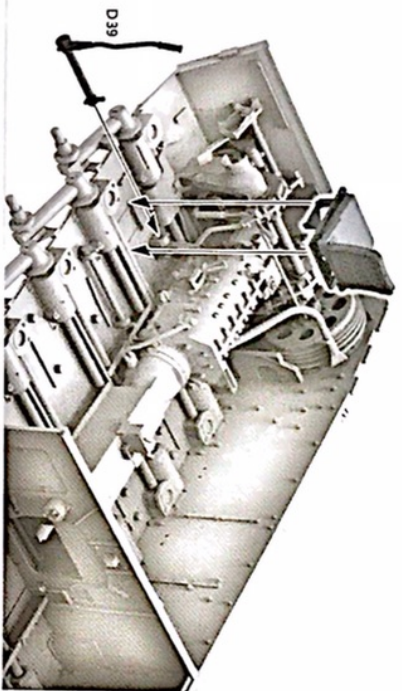
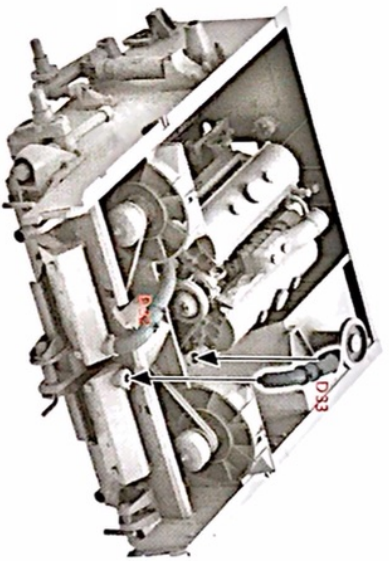
On October 2, 1942, Hitler inspected a new type of armored fighting vehicle. This vehicle looked similar to the previous StuG III assault guns: it had six road wheels on each side of the hull, no turret, and instead, a low-profile fighting compartment with an integrated cannon. However, unlike the usual 75mm cannon-equipped StuG III, it was armed with a more robust 105mm howitzer. The Führer was very satisfied with it and named it "Sturmhaubitze" (assault howitzer), like the early StuG III. Its role was also to provide fire support for the infantry.

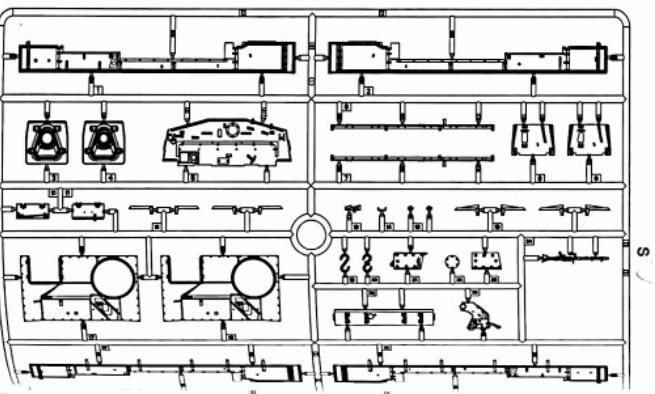
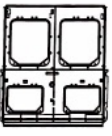
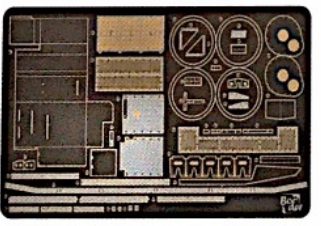
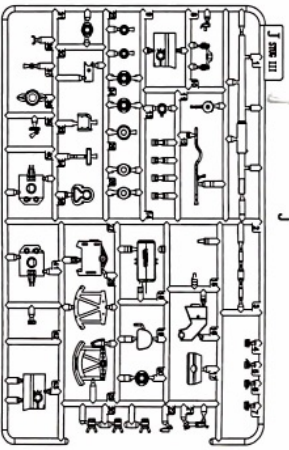
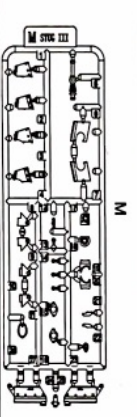
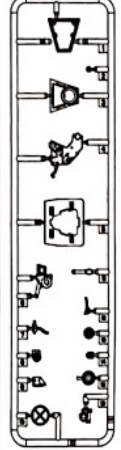
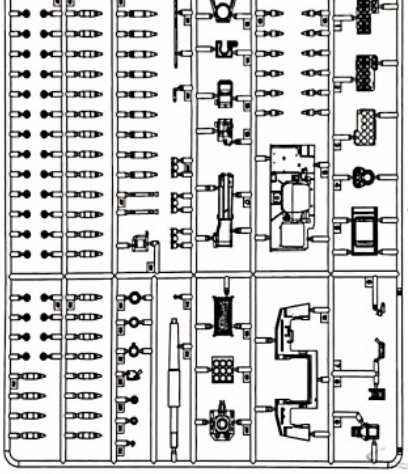
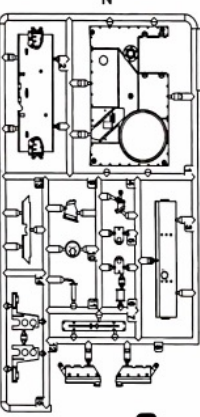
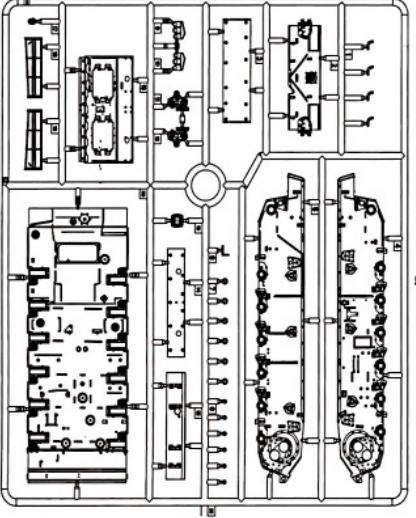
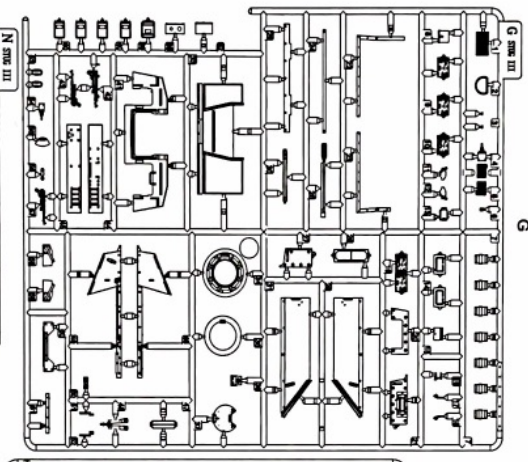
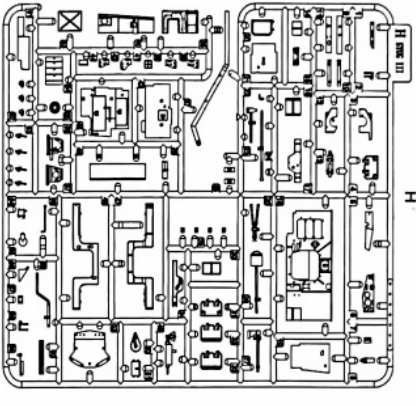
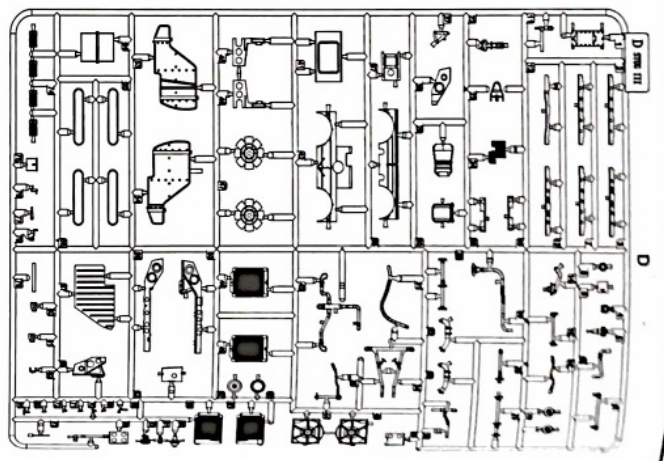
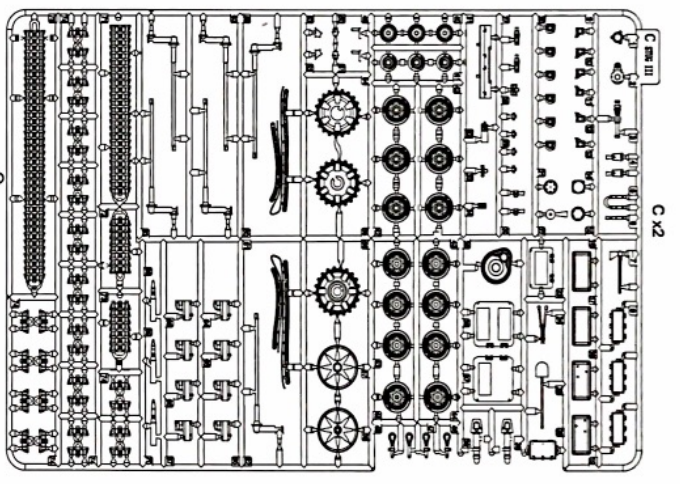
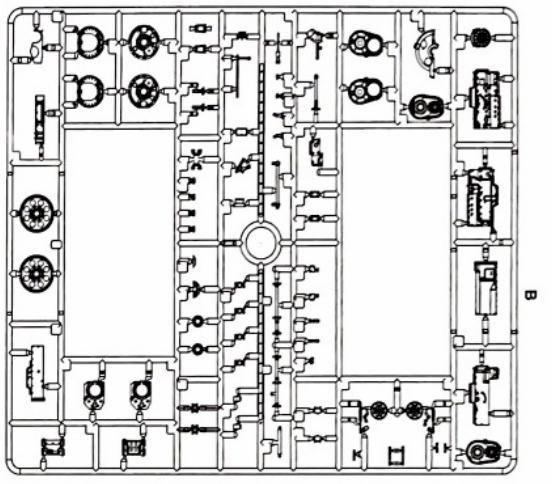
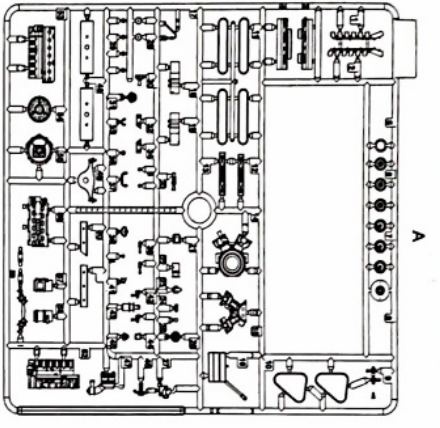
Therefore, the front-line infantry urgently needed a new armored vehicle to fill the gap in infantry fire support. Thus, the German army began looking for a new solution. Based on the chassis of the StuG III Ausf. G, German engineers almost copied the structure of the StuG III Ausf. G, the difference being that the original 75mm L48 cannon was replaced with a 105mm L28 light howitzer. Other improvements included an electric firing mechanism and a muzzle brake. With the muzzle brake, more propellant could be used, thus increasing the main gun's range. The new weapon based on the towed 105mm light howitzer was called "10.5 cm Sturmhaubitze 42 L28," using the same ammunition as the towed howitzer. The early version carried 36 rounds of ammunition and propellant, and the improved version could carry 48 rounds, including 10 hollow-charge armor-piercing shells. This allowed the assault howitzer to have some fighting power against enemy armored units. The hull and suspension structures were exactly the same as the StuG III Ausf. G. In the summer of 1943, dozens of assault howitzers were delivered to the front-line troops. On July 5, during the Battle of Kursk, the participating Southern Army Group and the 7th Army Group of the Central Army had a total of 68 assault howitzers. In fierce combat, the assault howitzers were indeed an effective infantry support weapon. They fired directly at enemy fortifications and fire points, helping the infantry to capture enemy lines. While performing their primary duties, they were rarely used against enemy armored vehicles, due to the slow rate of fire and poor armor penetration of the howitzers. They were not effective weapons against armored targets. On September 17, 1944, the Allies launched a large-scale airborne operation in Arnhem, Netherlands, codenamed "Operation Market Garden." Initially, the German forces in the area had very few tanks or assault guns (only 5 in the entire region). But two days later, a part of the 280th Assault Gun Brigade under the command of Kurt Kuhme arrived to participate in the battle, with 7 assault guns, 3 assault howitzers, and one half-track vehicle under his command. After coordinating with the local German infantry, they together thwarted the British airborne operation. On October 6, 1944, in the Uden-Palambeng area within Germany, the B and C Combat Groups of the US 2nd Armored Division engaged in battle with the German 83rd Volksgrenadier Division, which was reinforced with various types of armored vehicles, including 15 assault guns and 6 assault howitzers, and also equipped with 7 Jagdpanzer tank destroyers. During the battle, the US forces lost 6 tanks or tank destroyers, while the German forces lost one assault gun, one assault howitzer, and one Jagdpanzer. US reports stated that the German assault guns usually fired from concealed positions, avoiding close combat due to the lack of a turret structure. In the winter of 1944-45, as the front lines collapsed, the number of available German assault howitzers significantly decreased. The rear supply was also about to be interrupted: after producing 1,298 assault howitzers, the Alkett company ceased production of the assault howitzers, possibly to increase the production of the regular StuG III - perhaps at this time, the overall defensive German army was in more urgent need of anti-tank firepower.

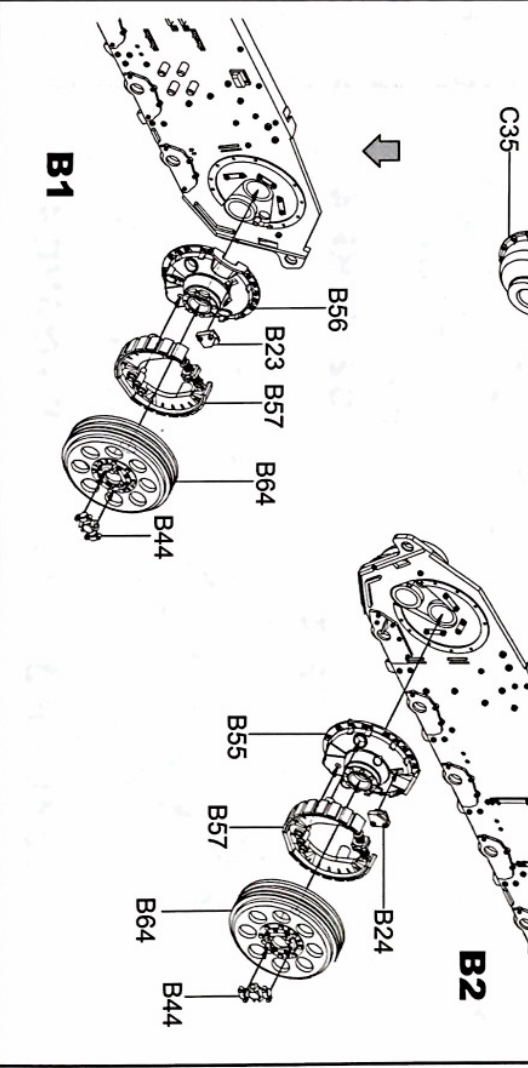
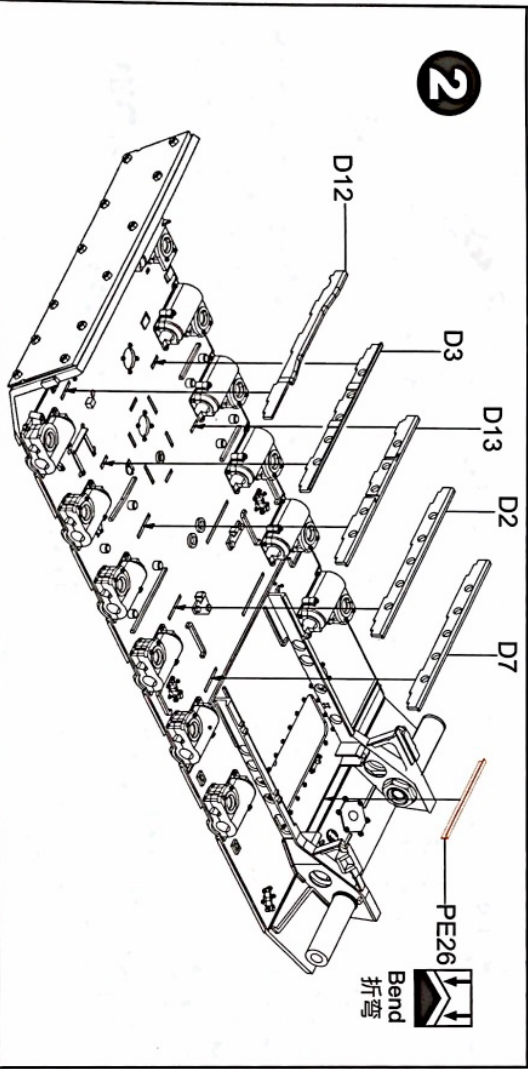
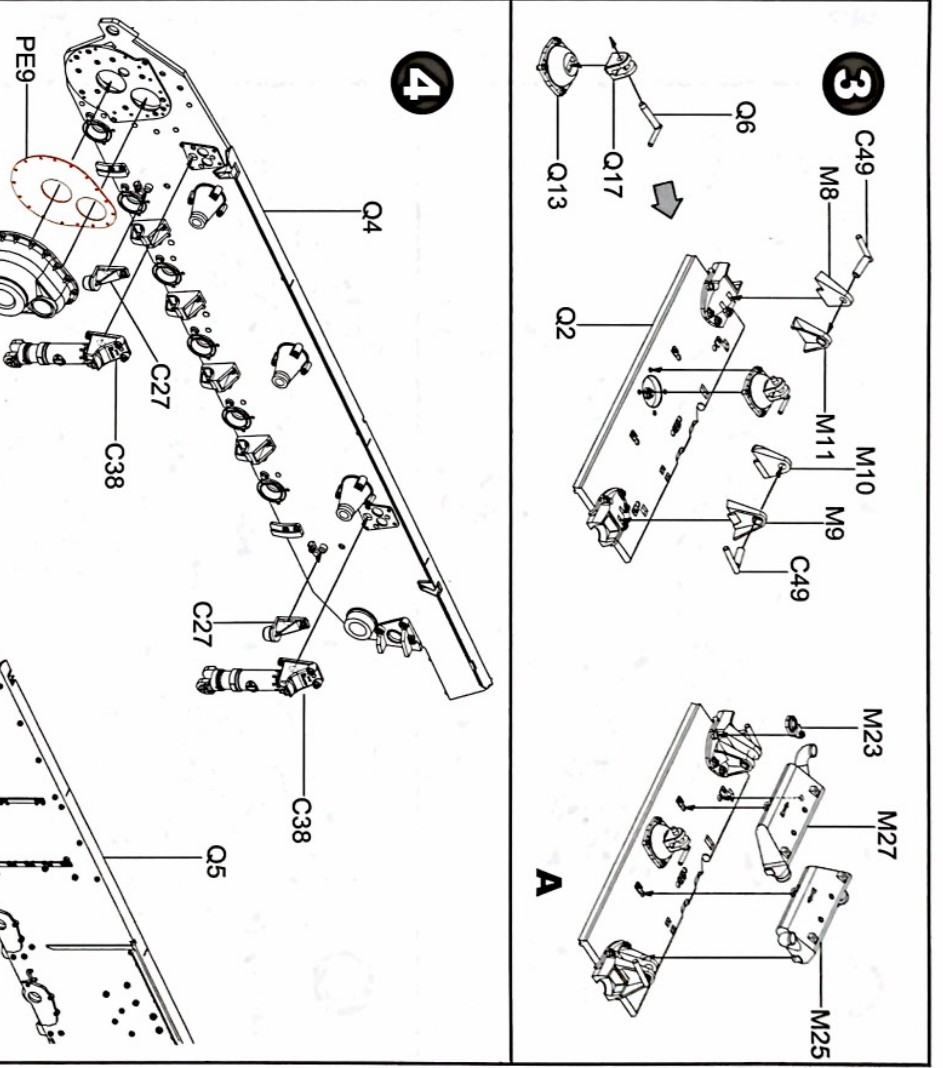
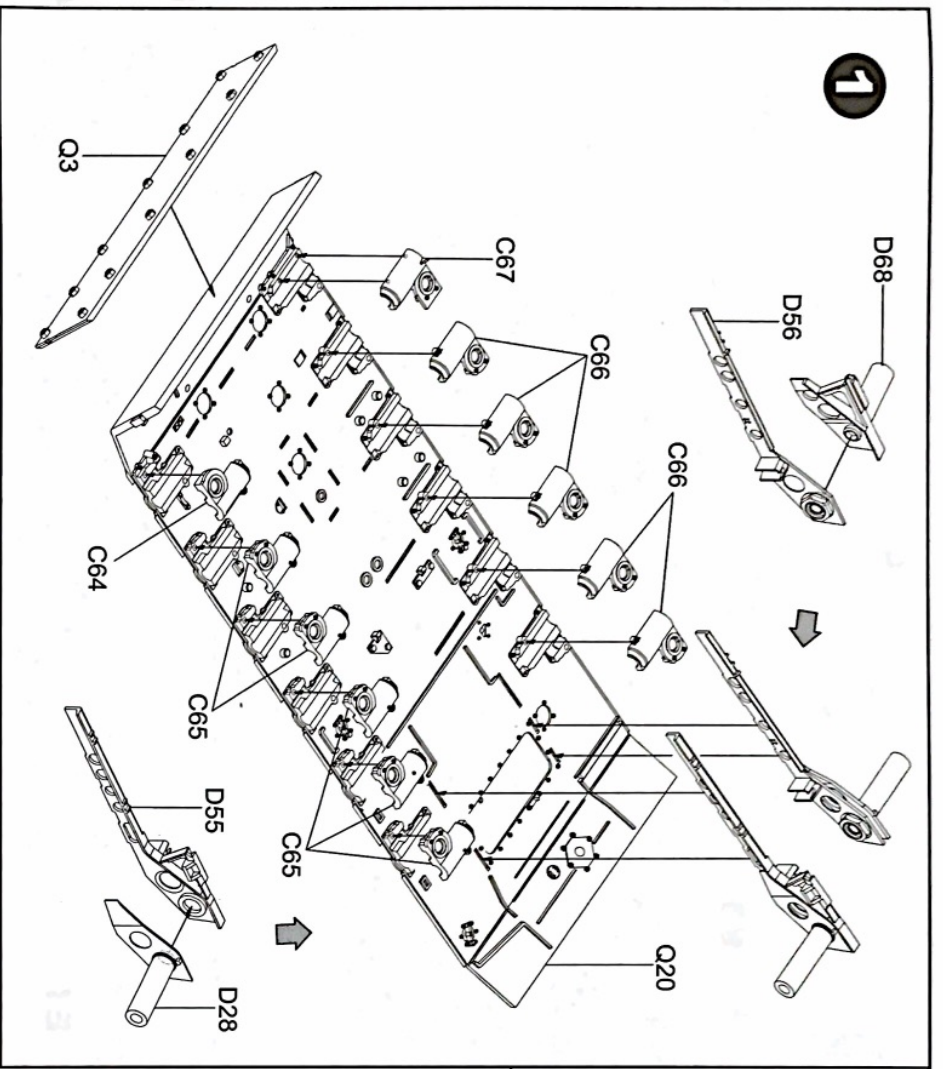
Overall, the performance of the assault howitzers met the general expectations, their technology was relatively mature, and they were quite reliable, although their firepower was weaker compared to the later "Sturmhaubitze" assault tanks or "Sturmpanzer" tank destroyers. However, due to their limited numbers, they did not have a significant impact on the course of the war.

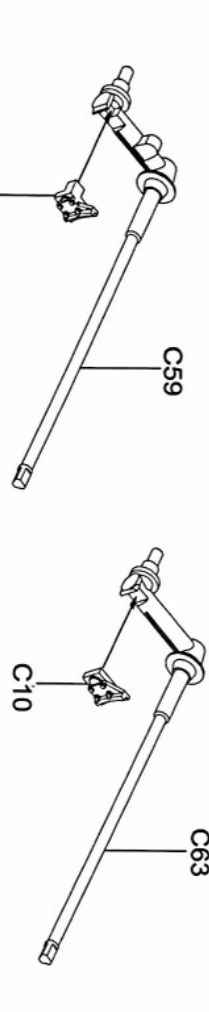
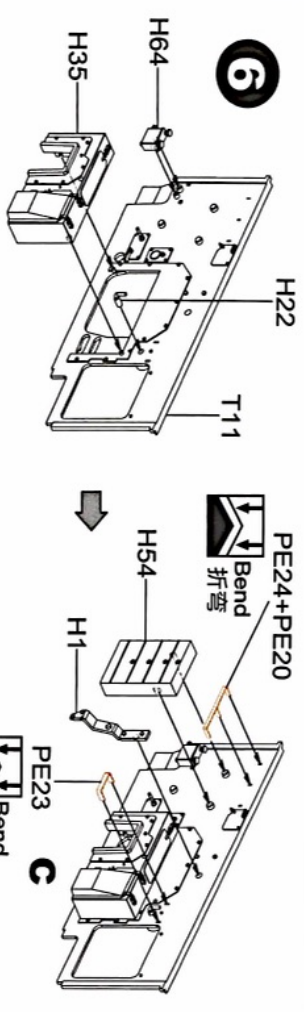
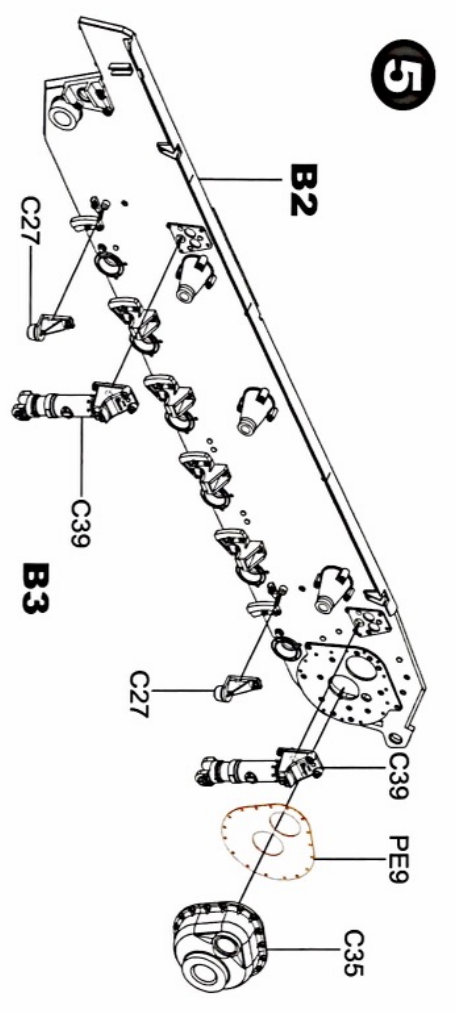


这些高清的3D效果图 用来展现一些关键的步骤。如果制作过程中发现问题，可以用来对照。
These high-definition 3D renderings are used to showcase some key steps. If problems are found during the production process, they can be used for comparison.

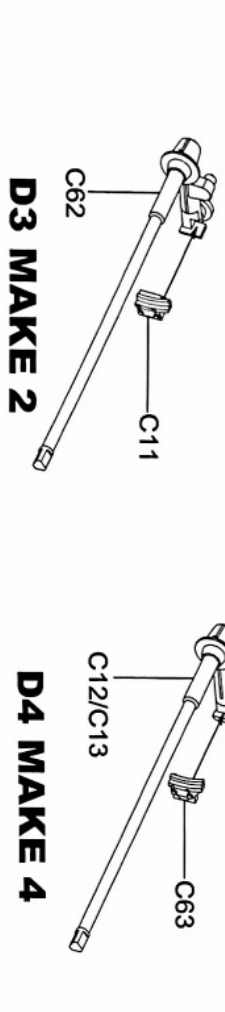




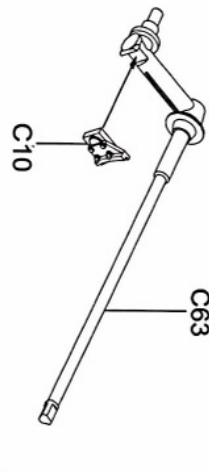




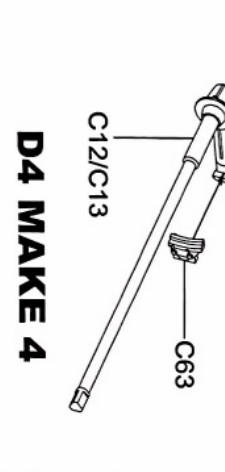
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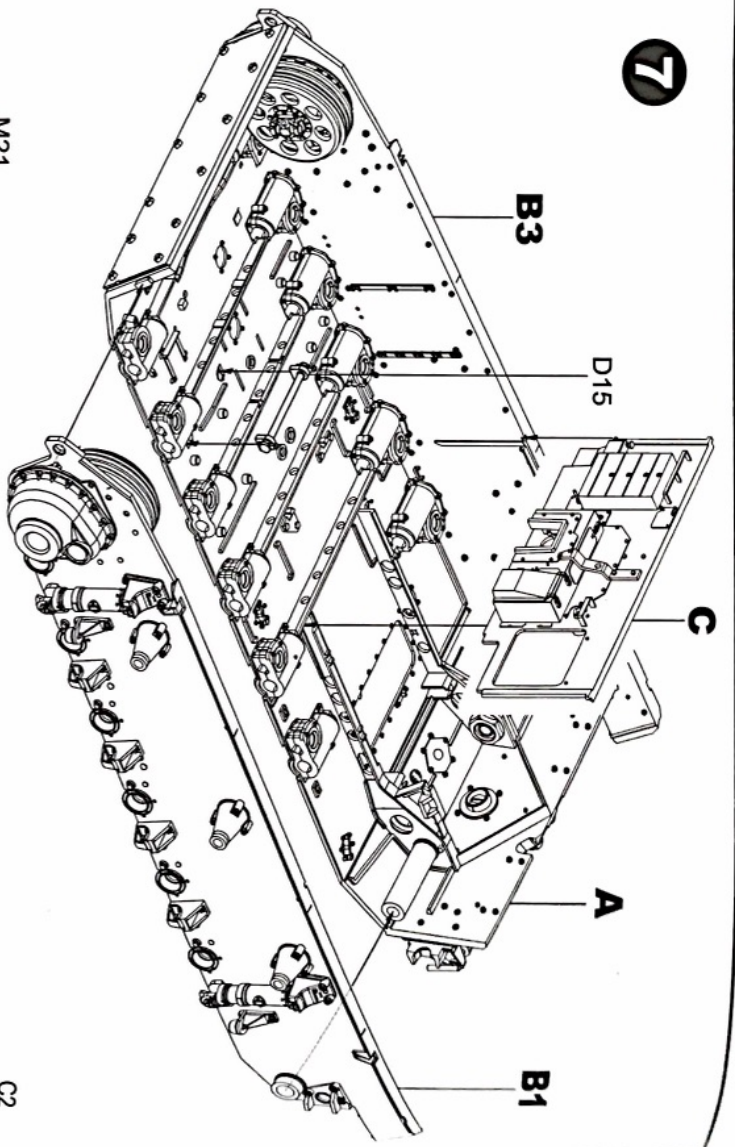
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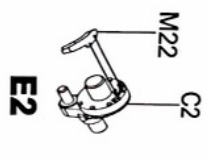
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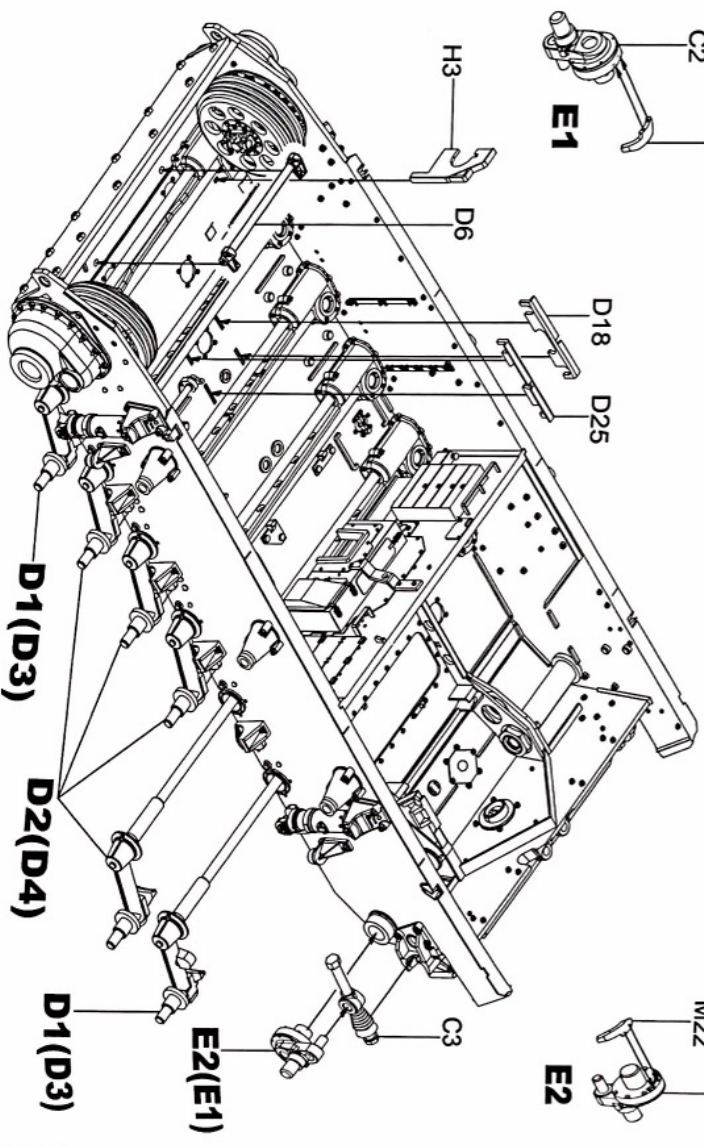
D4 MAKE 4



E1



E2

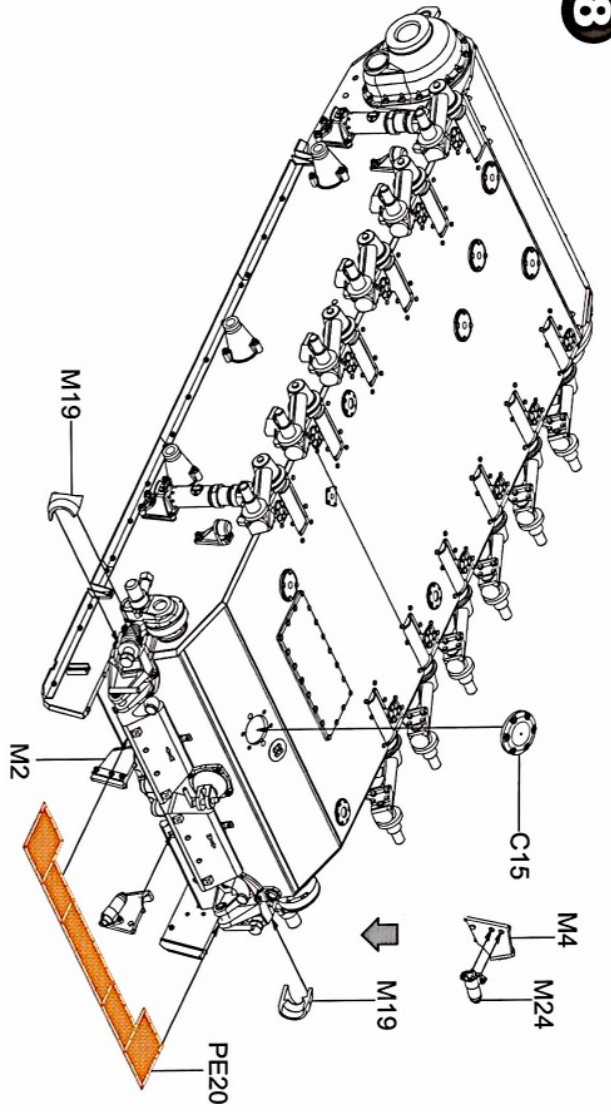


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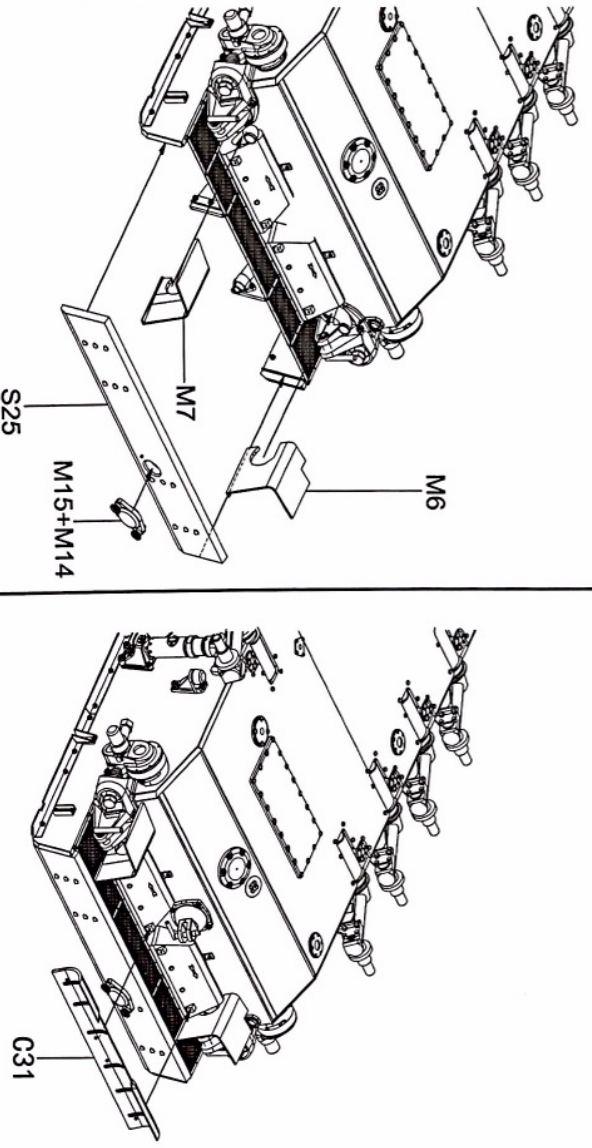
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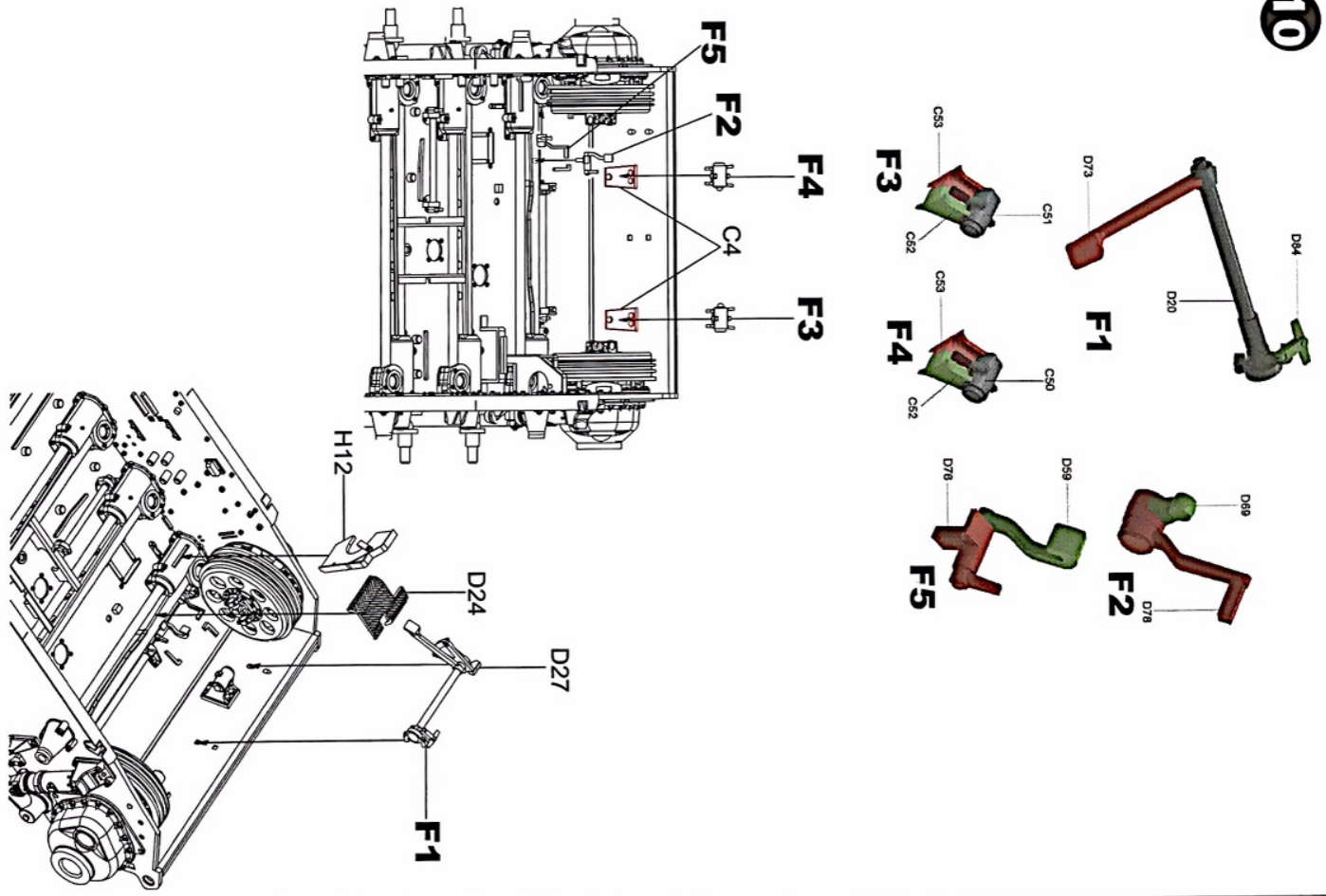
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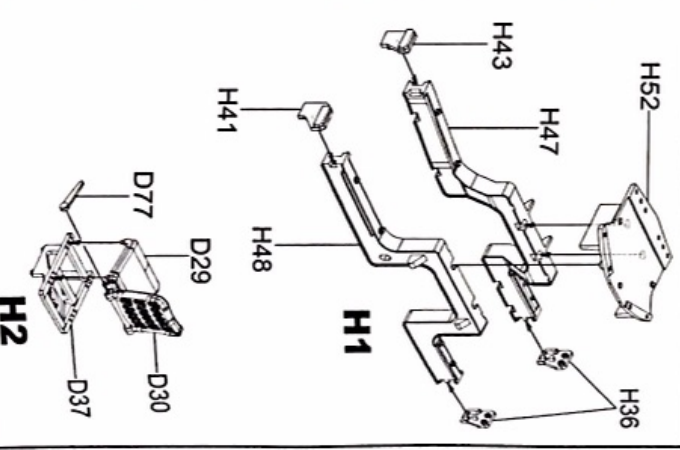
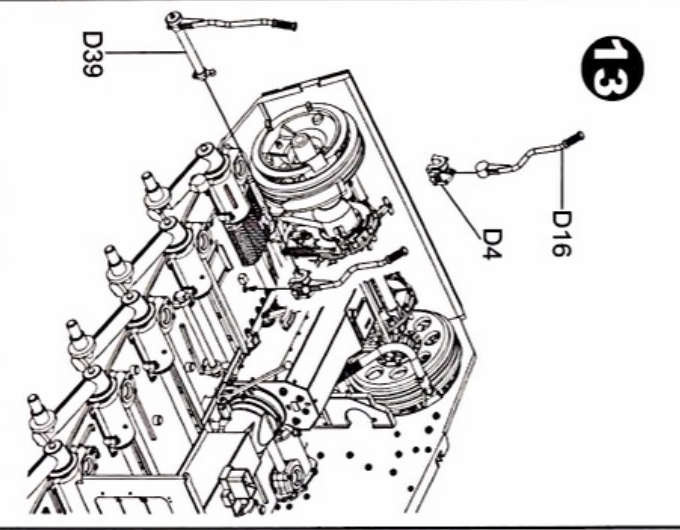
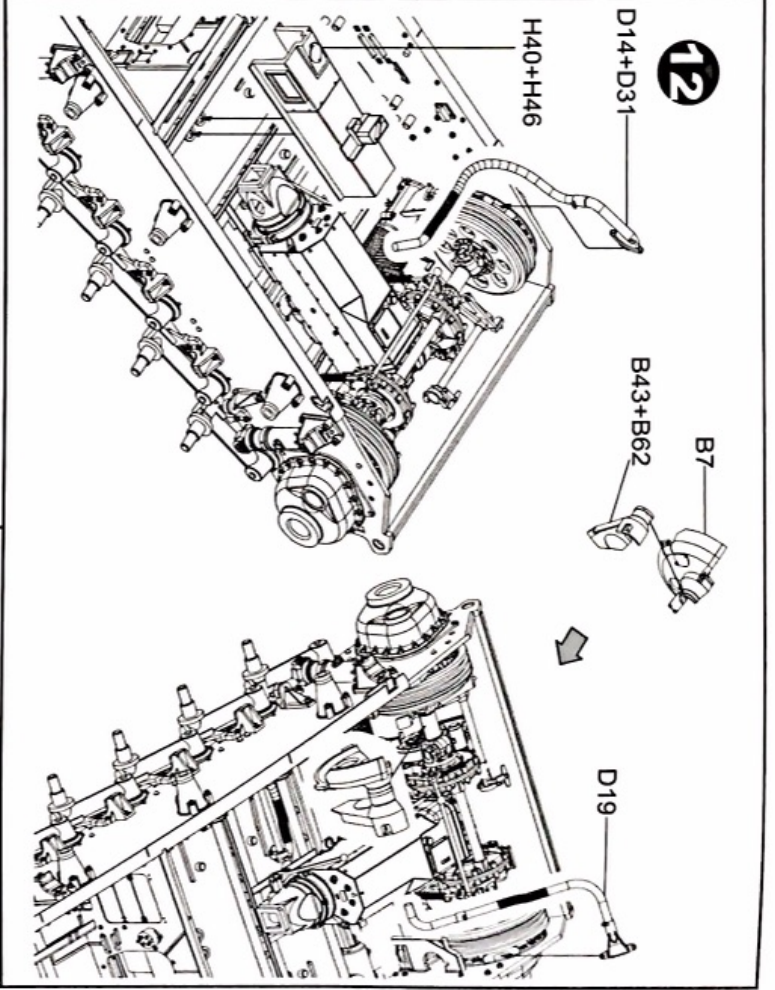
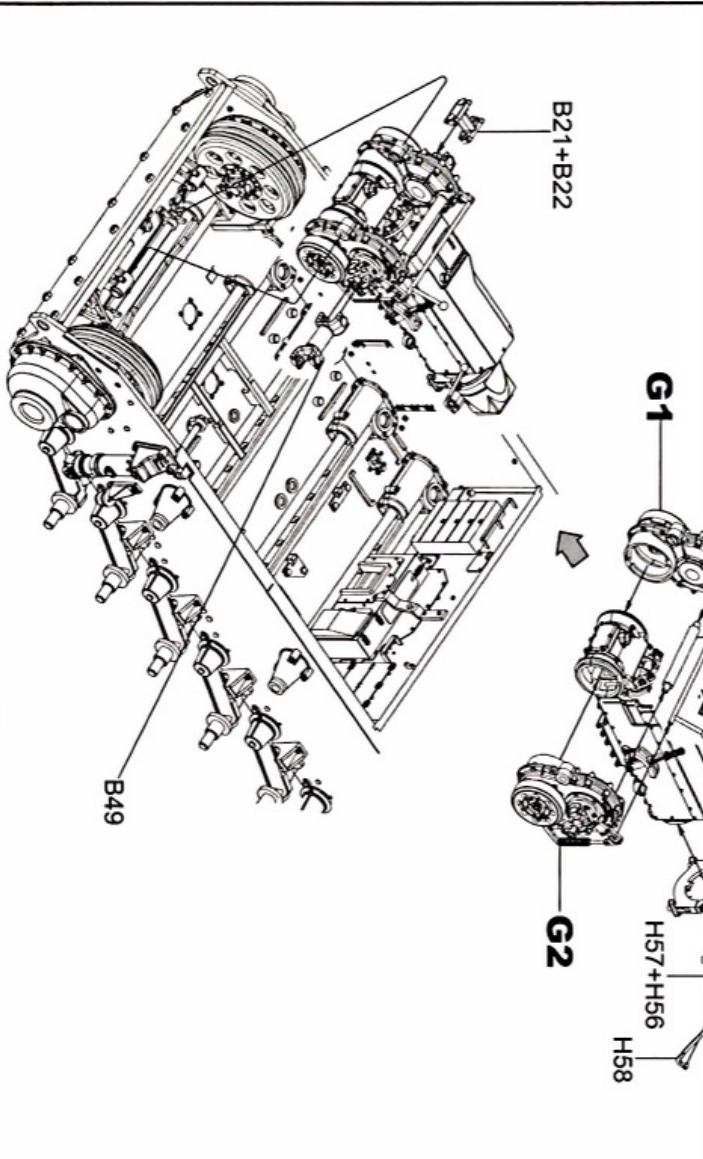
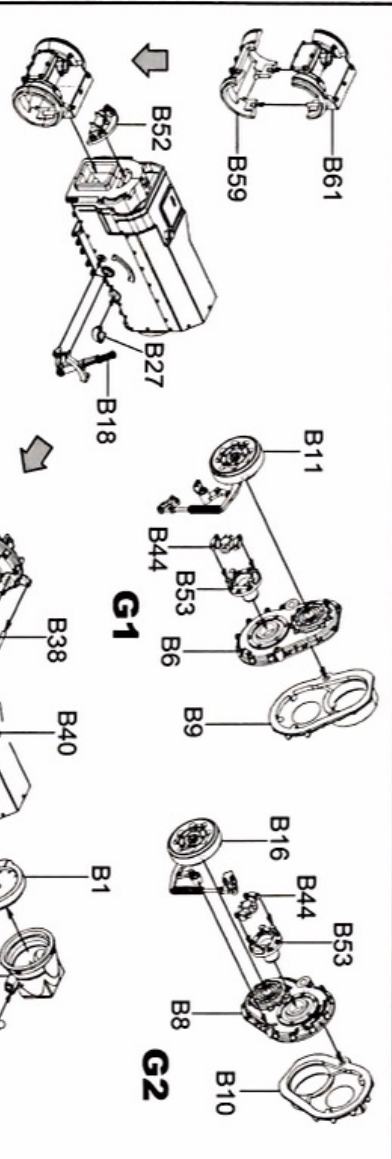
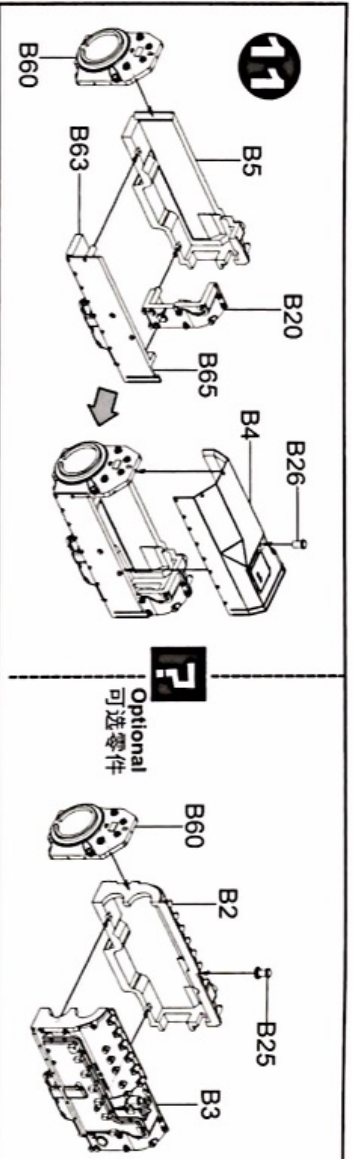


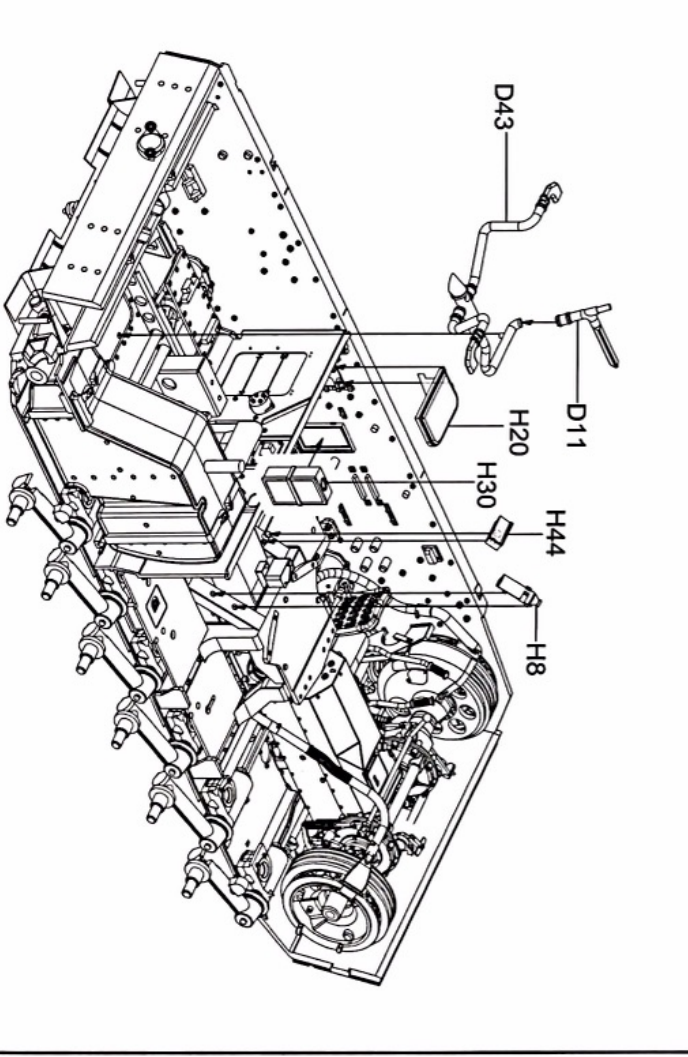
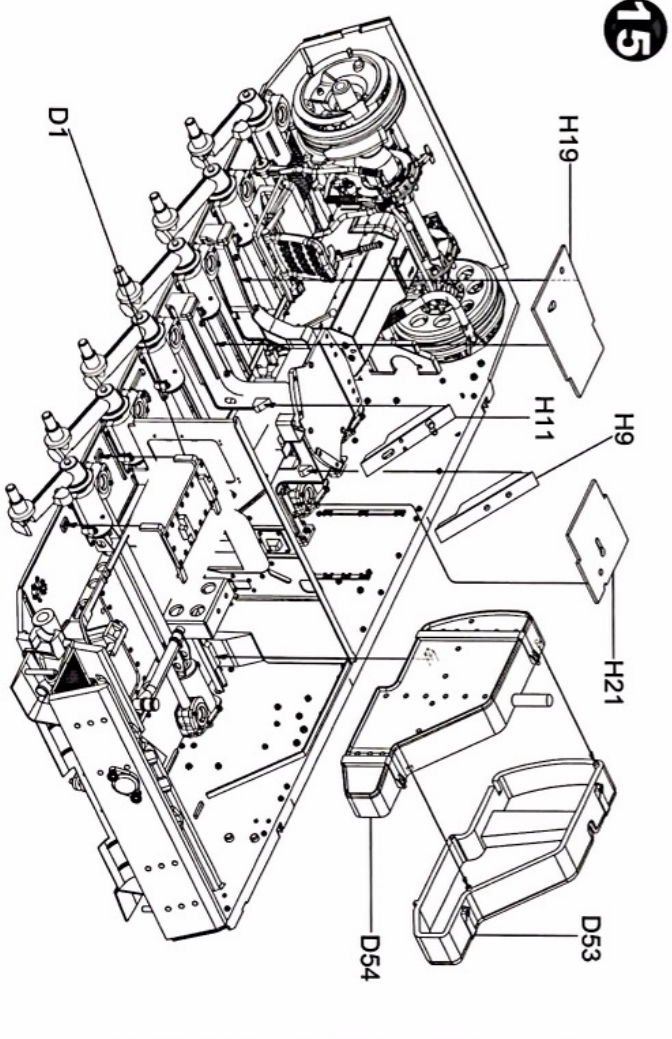
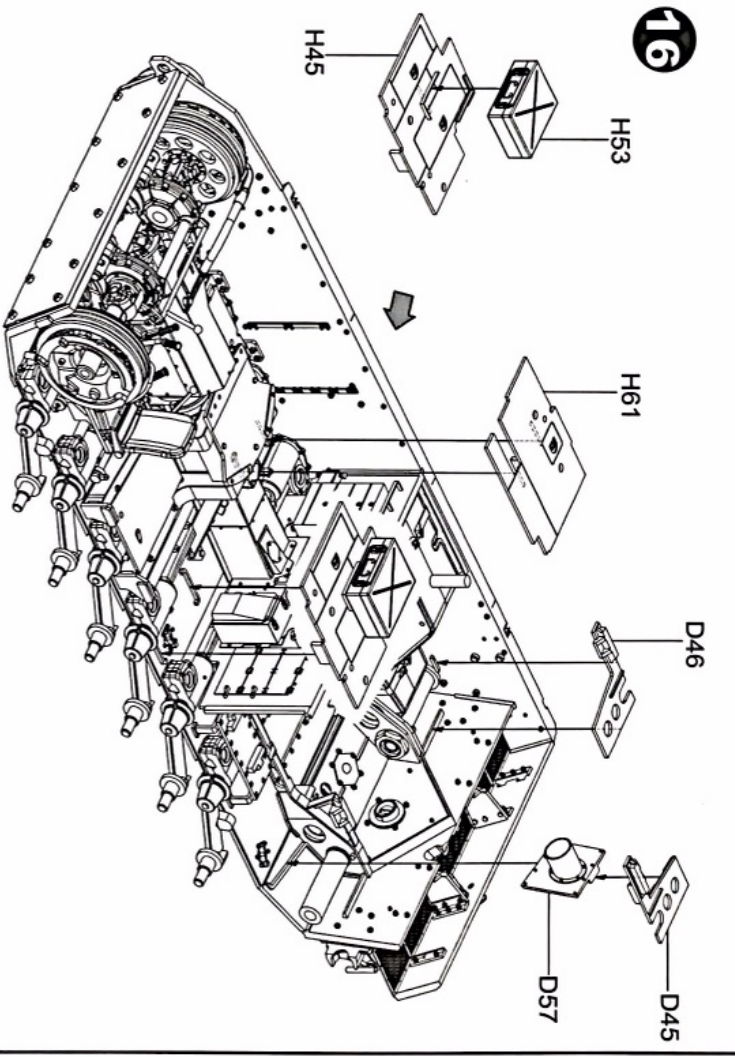
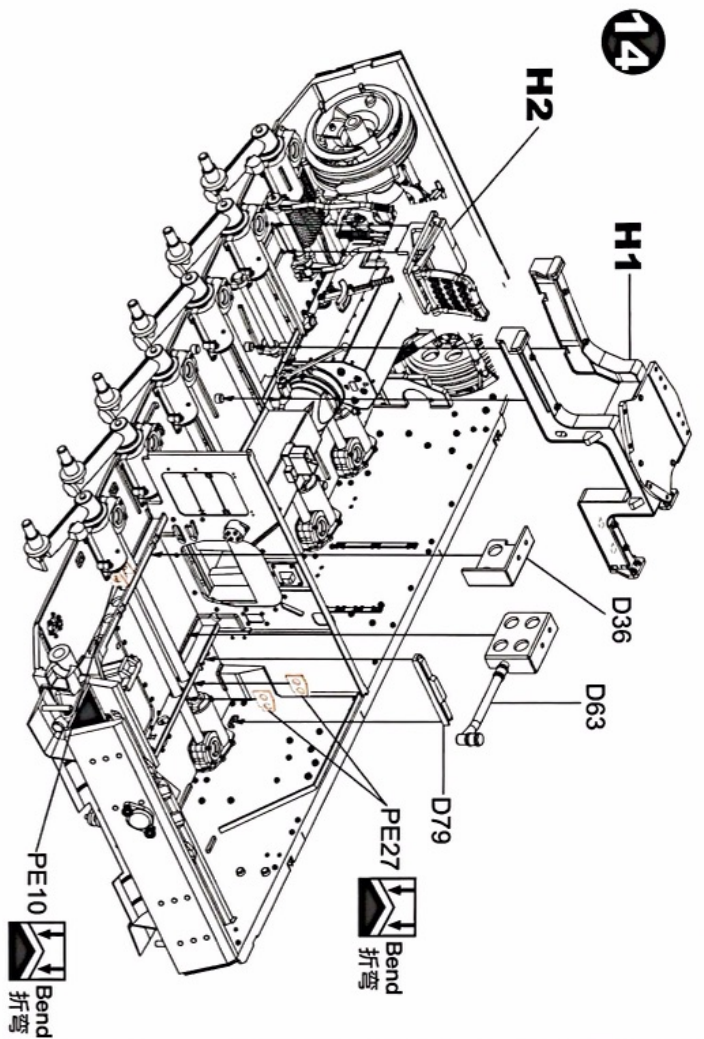
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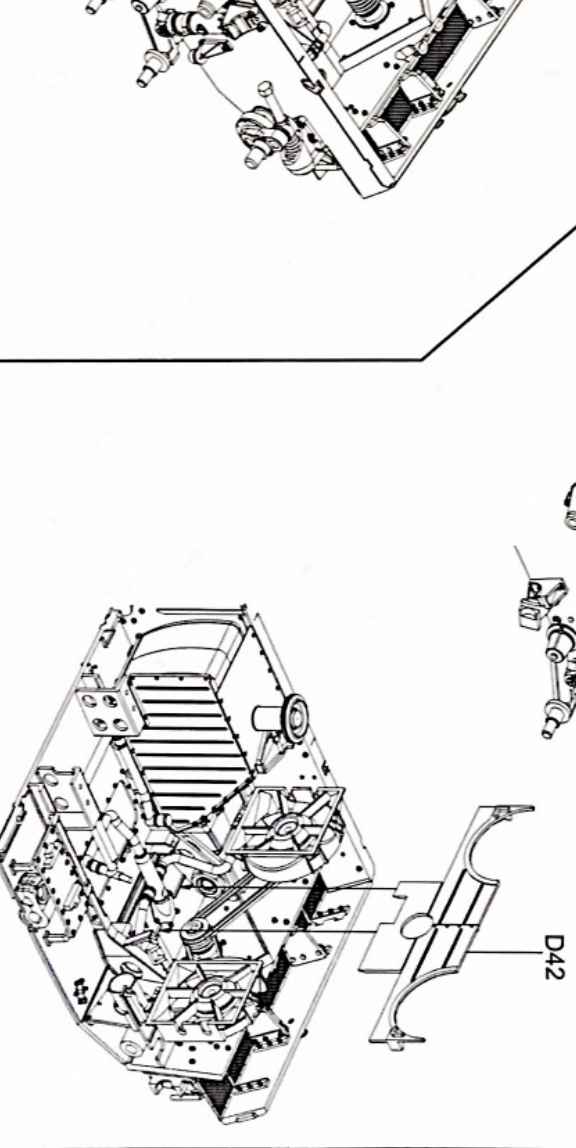
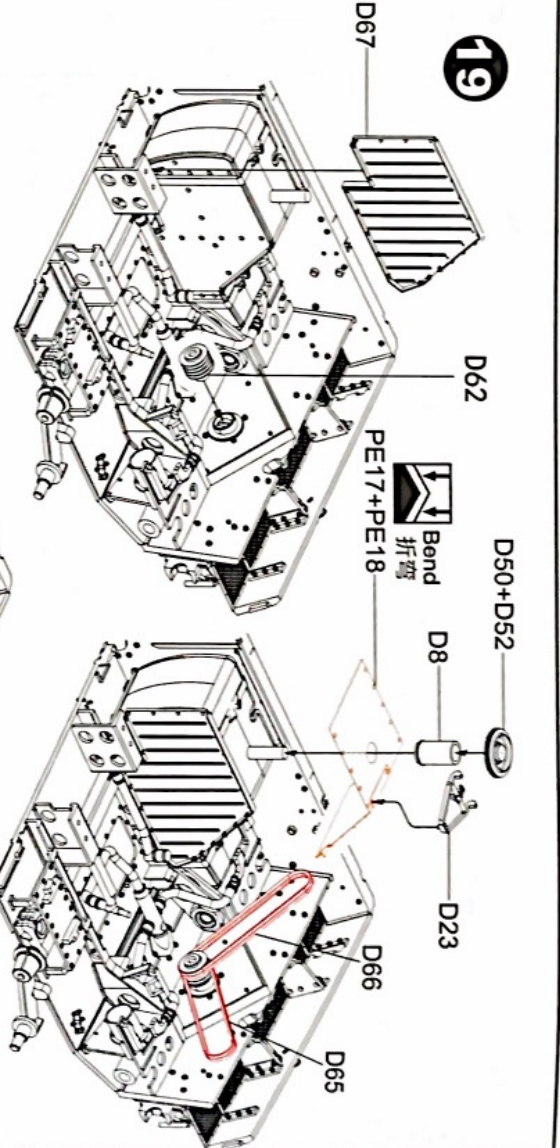
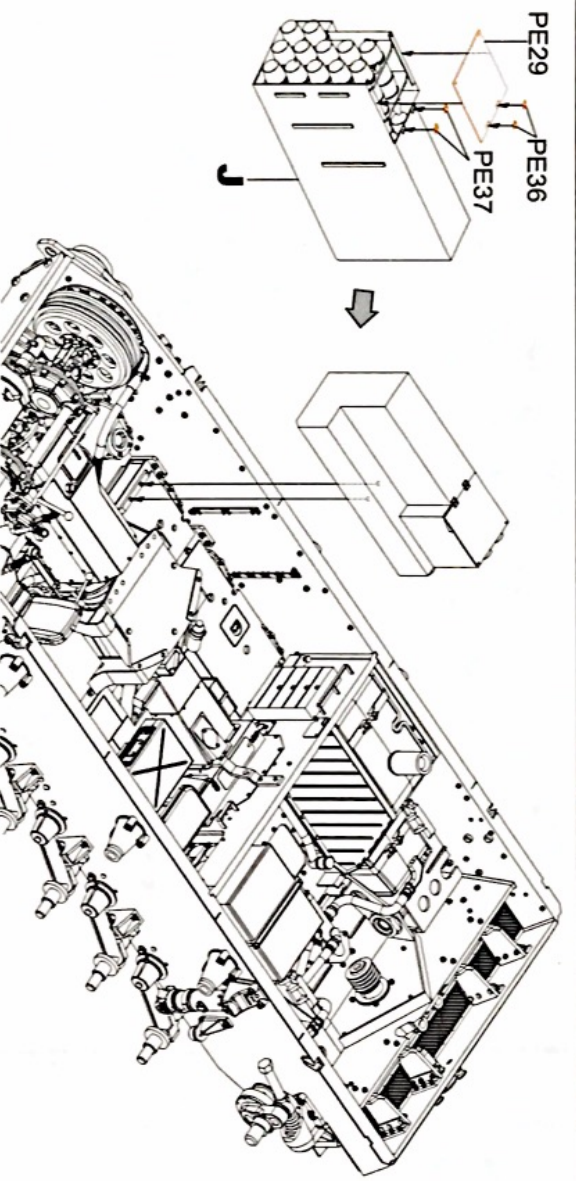
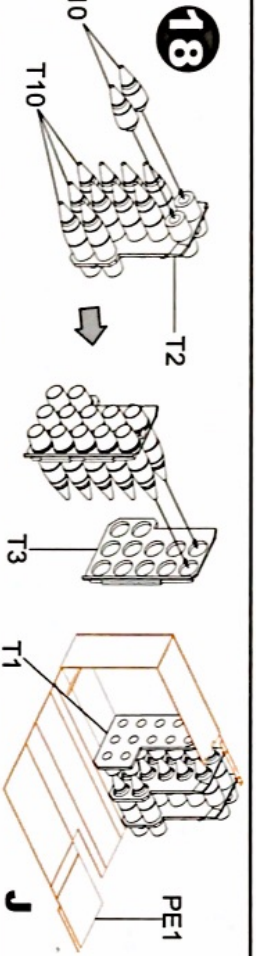
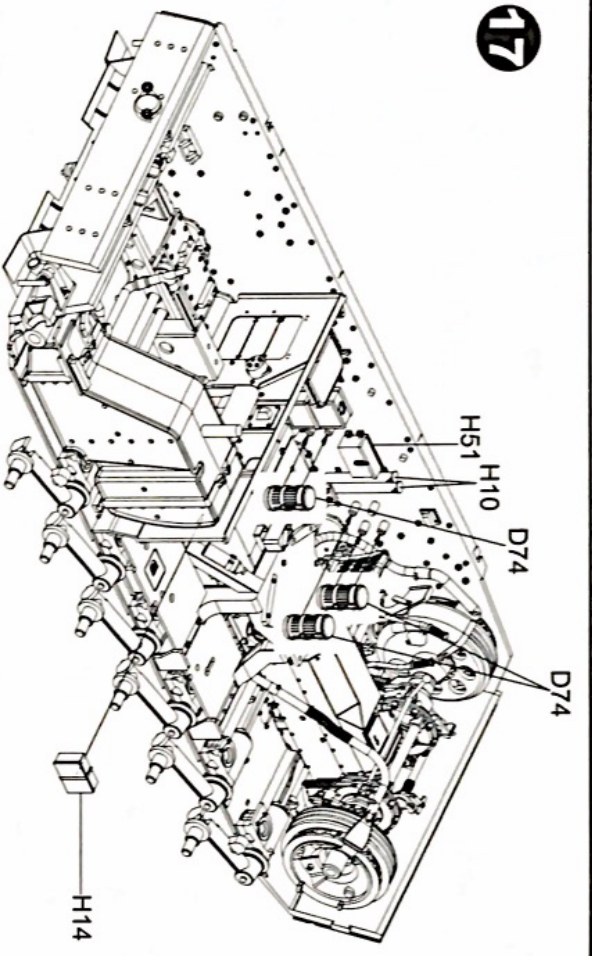


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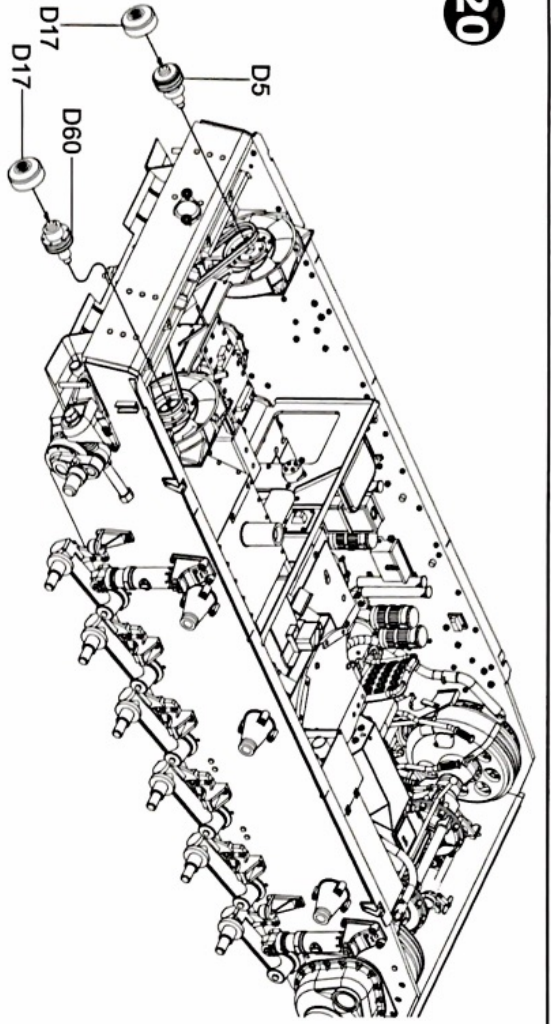




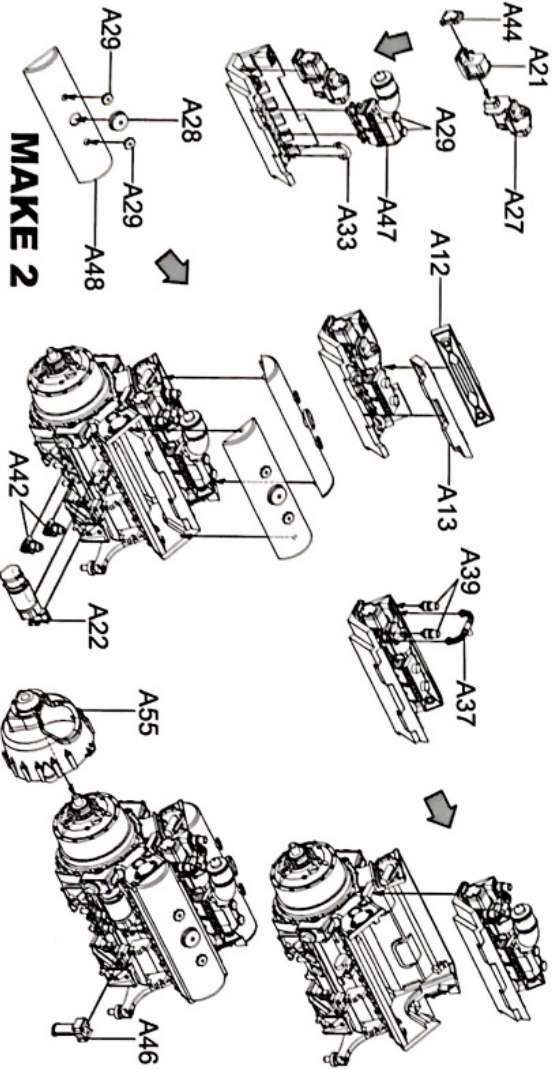
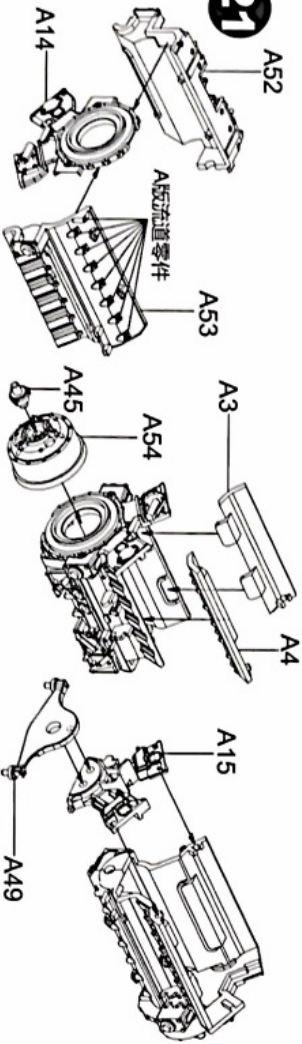




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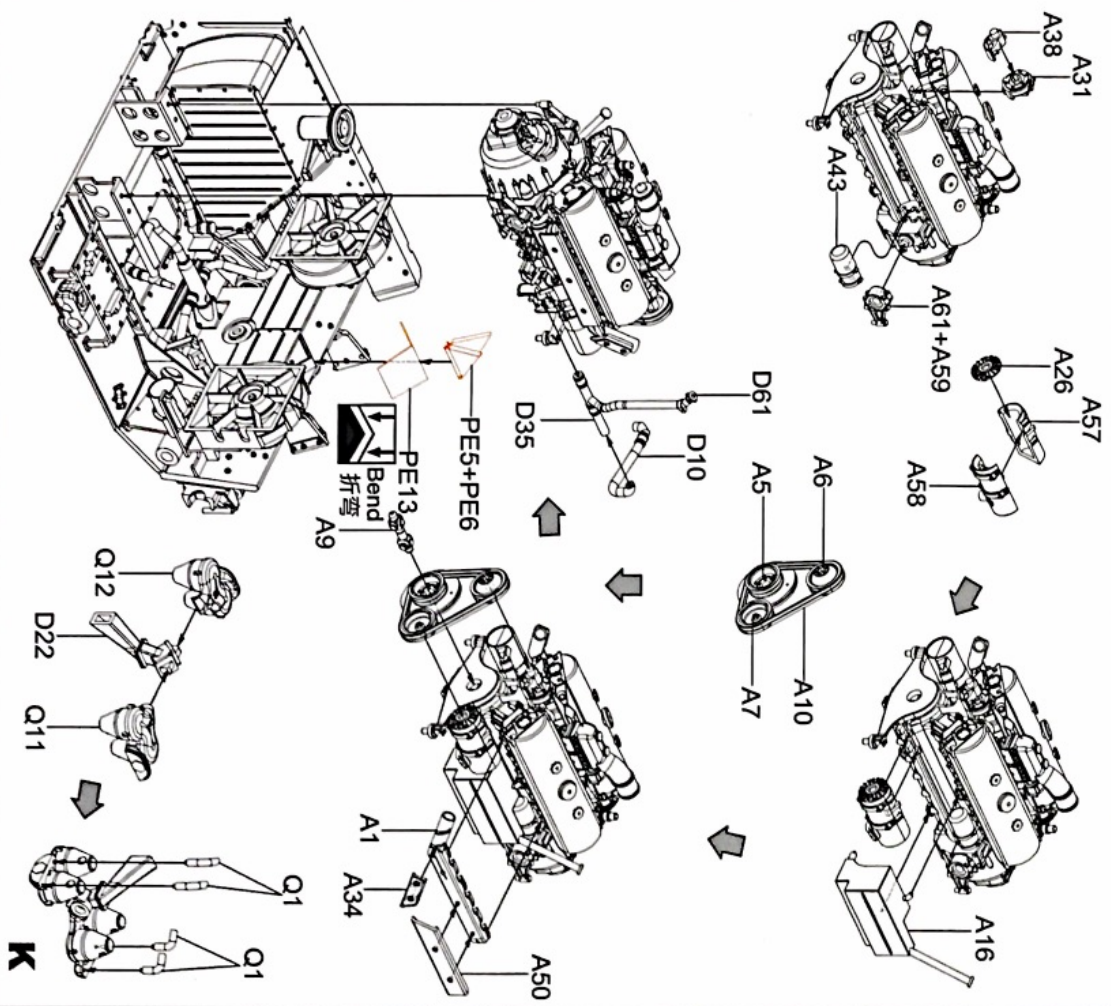
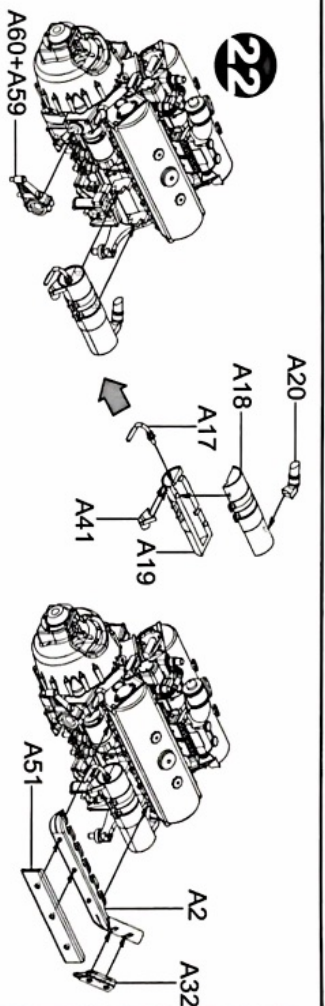


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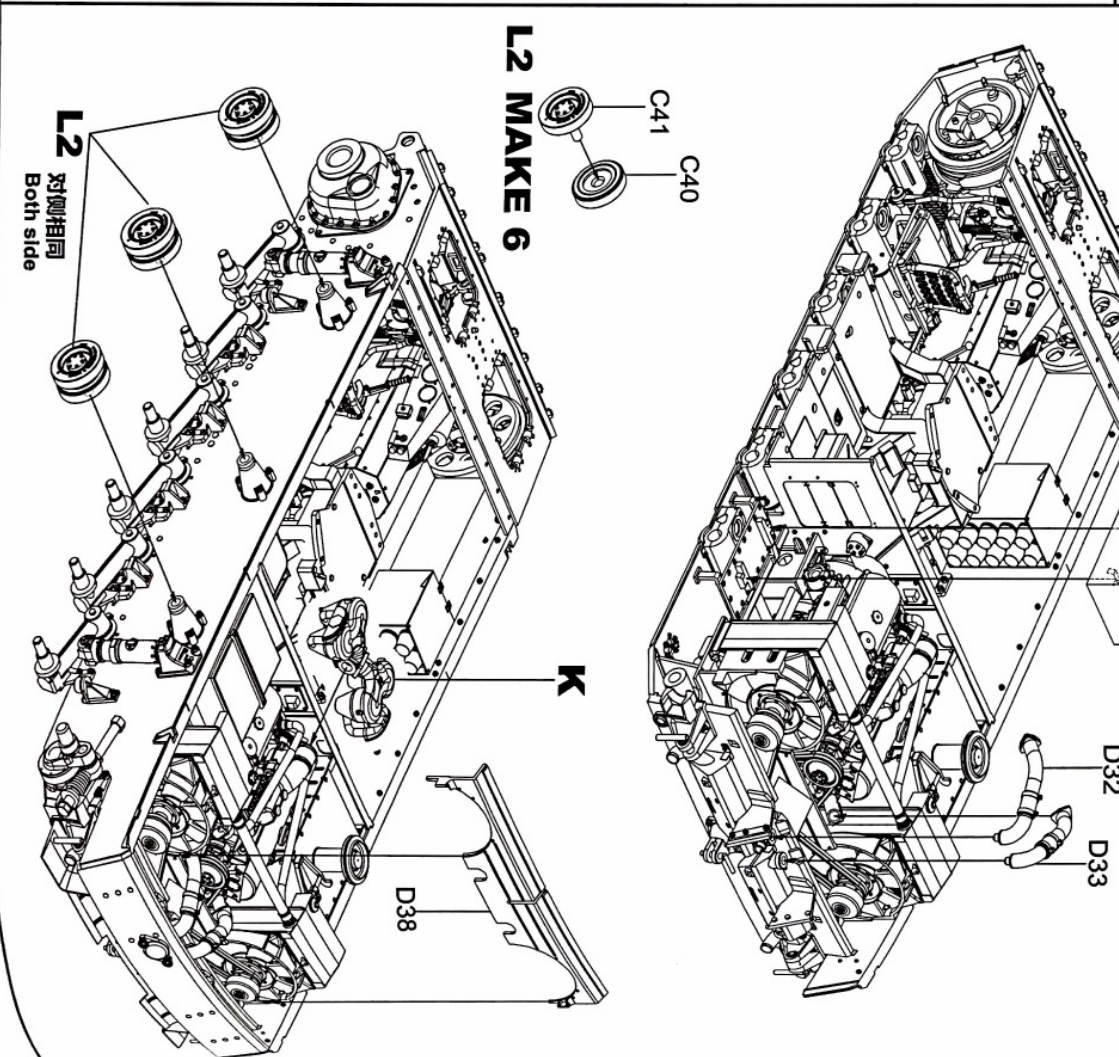
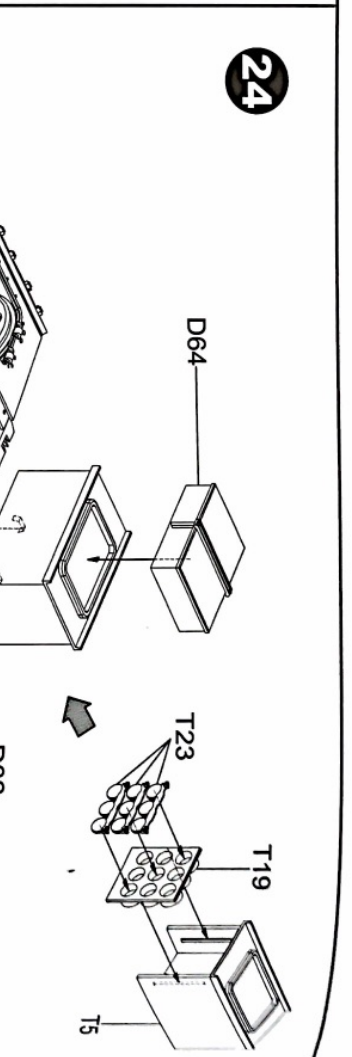
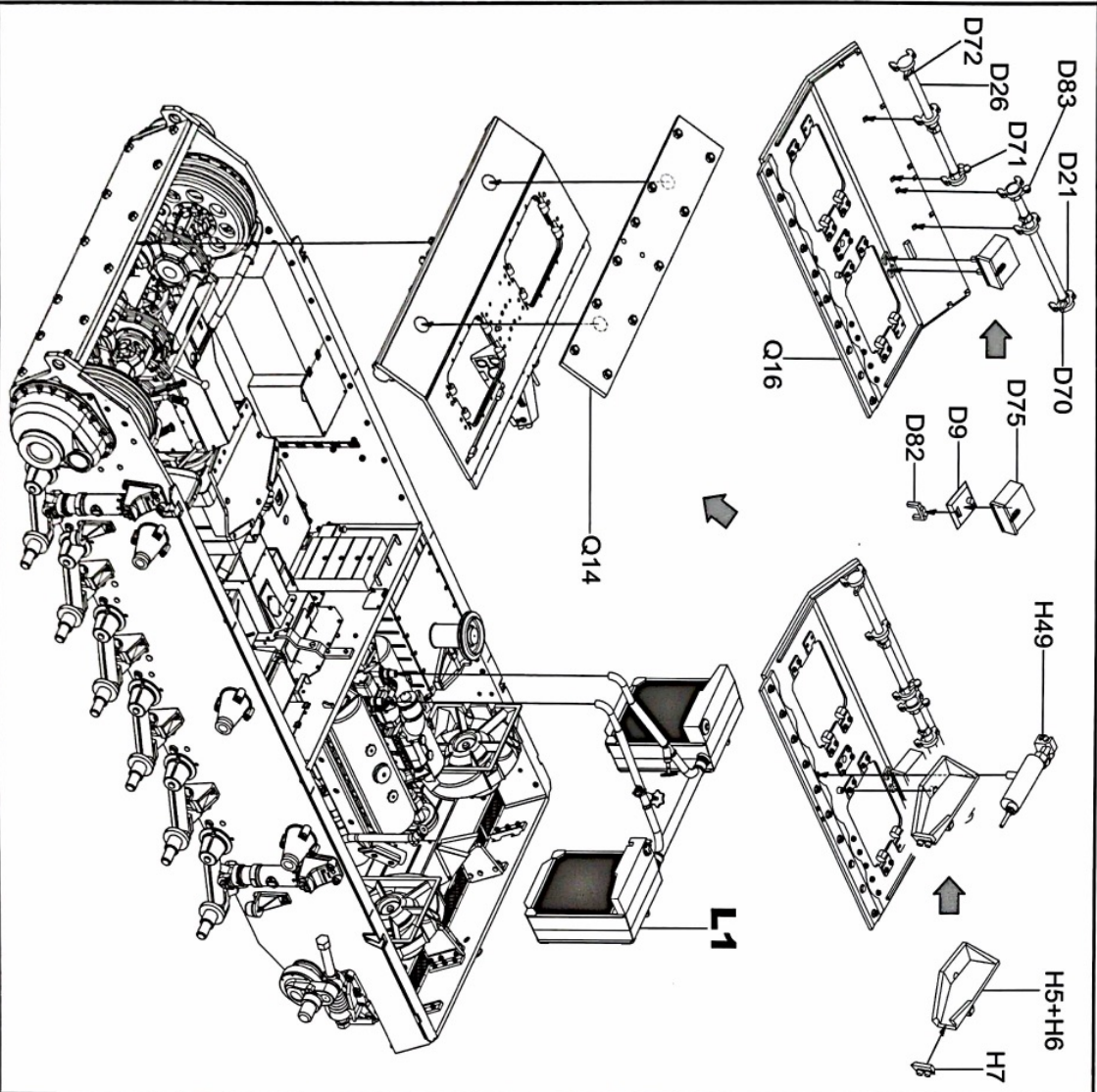
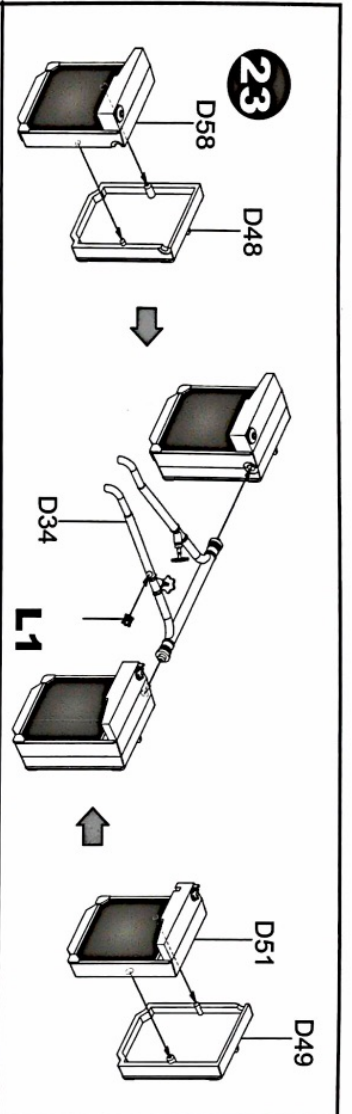


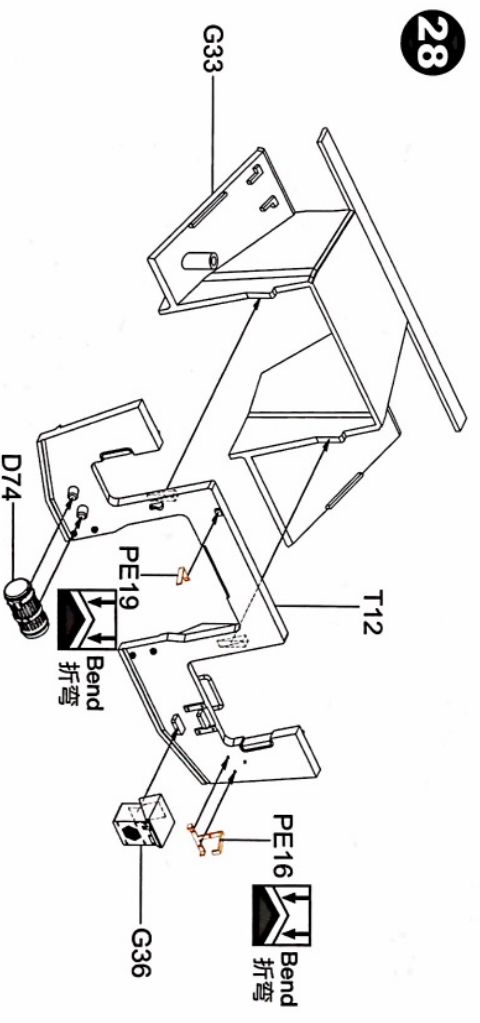
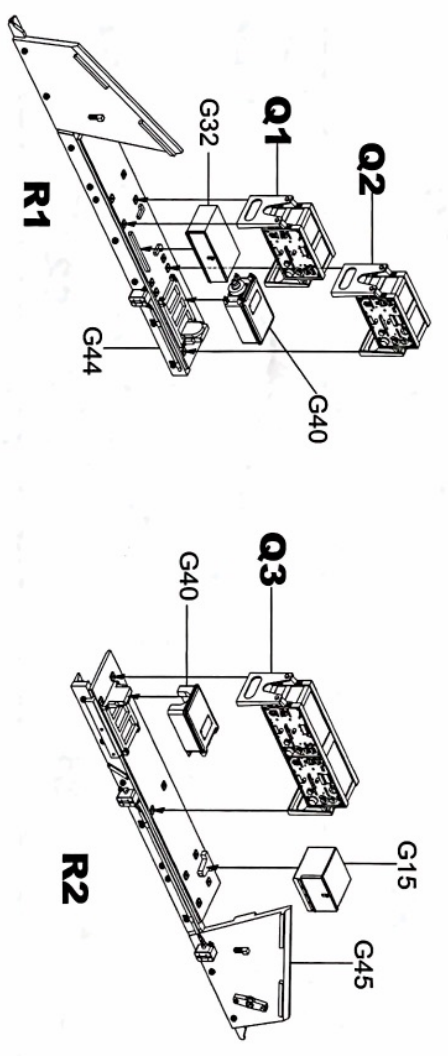
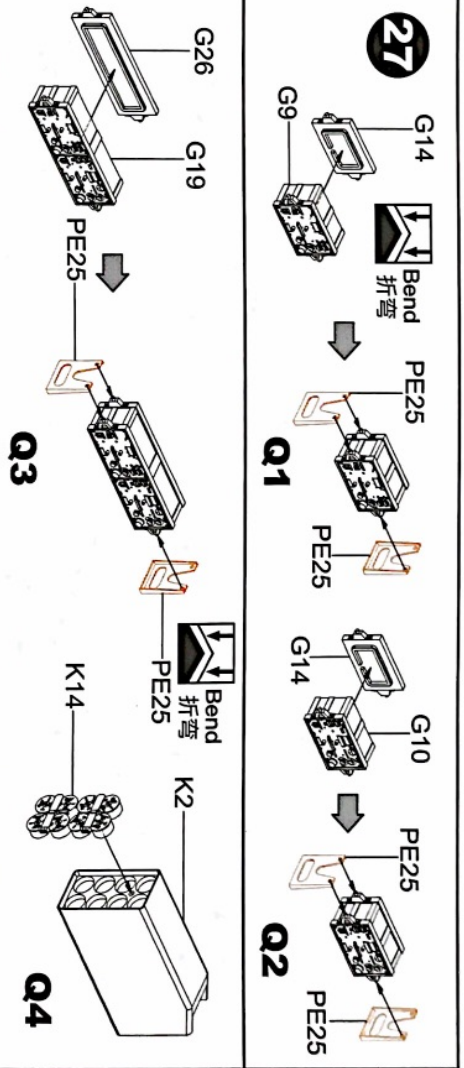
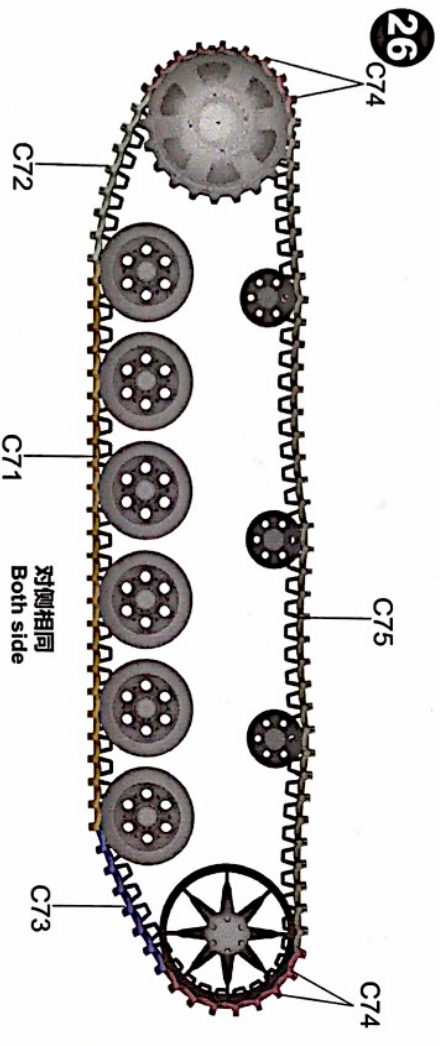
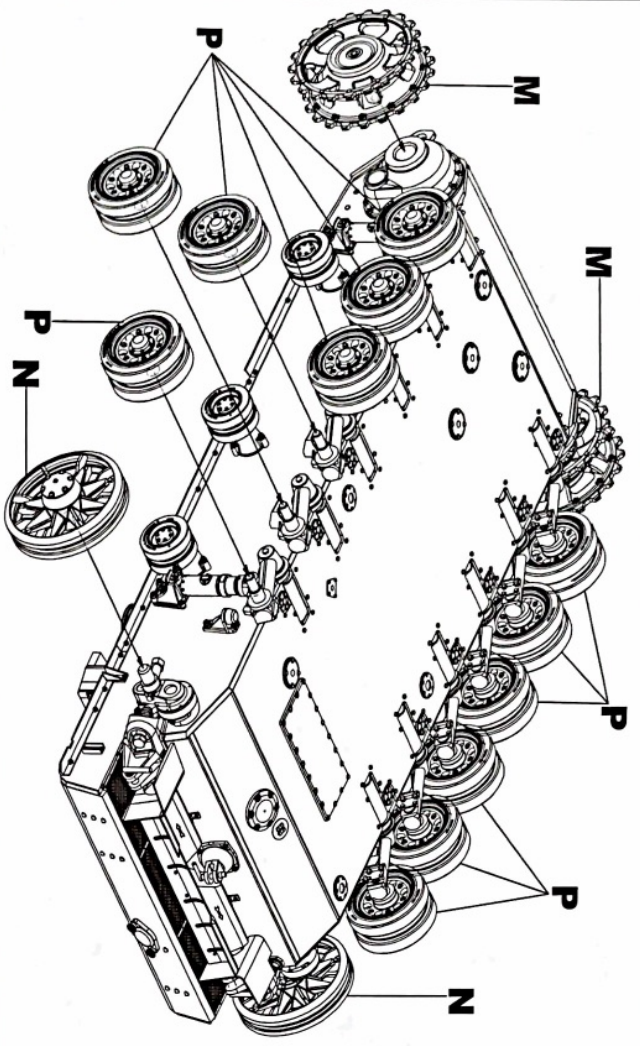
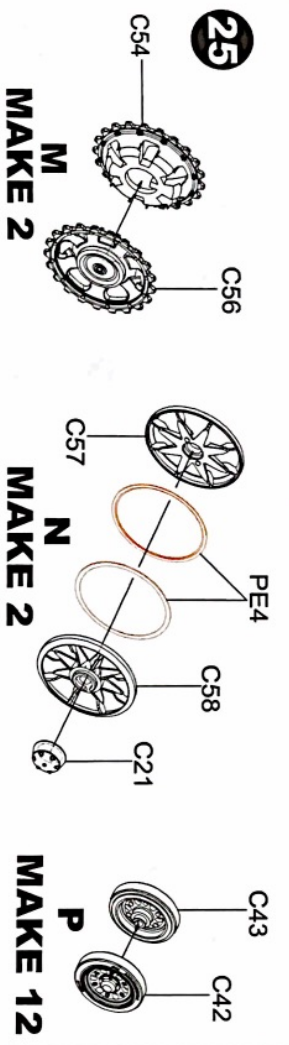
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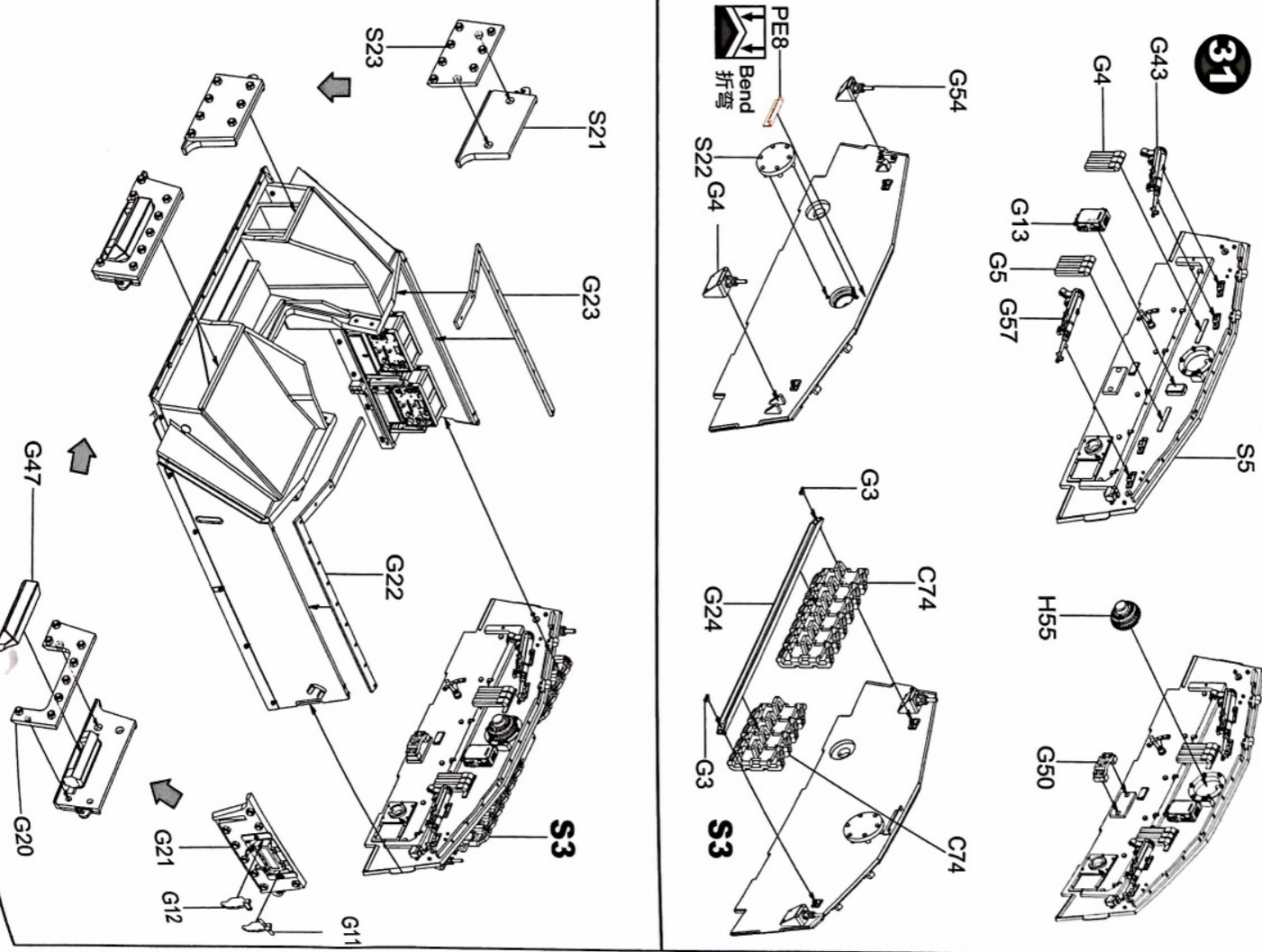
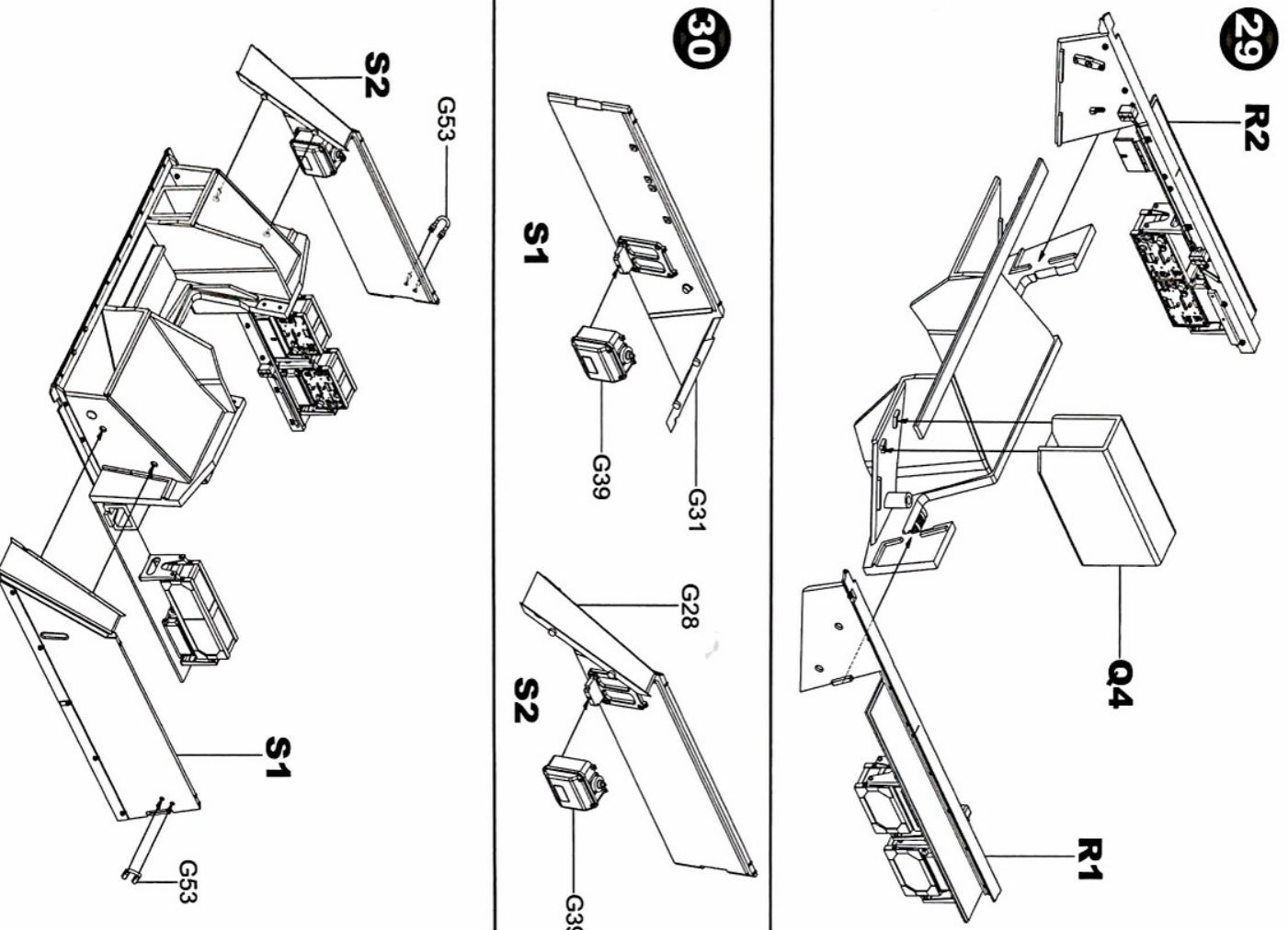
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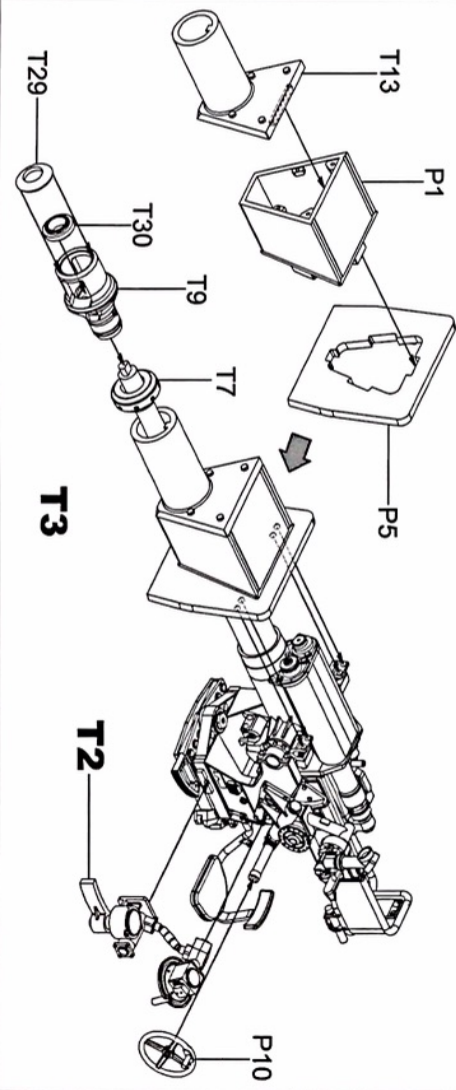
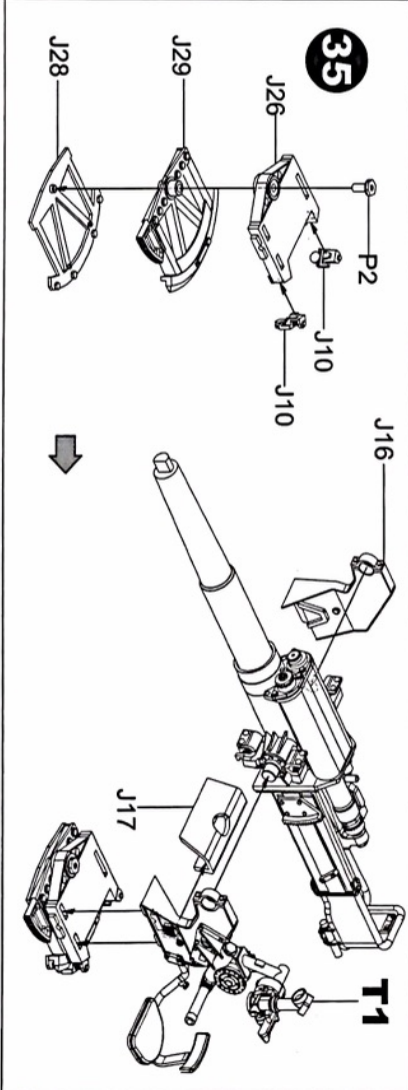
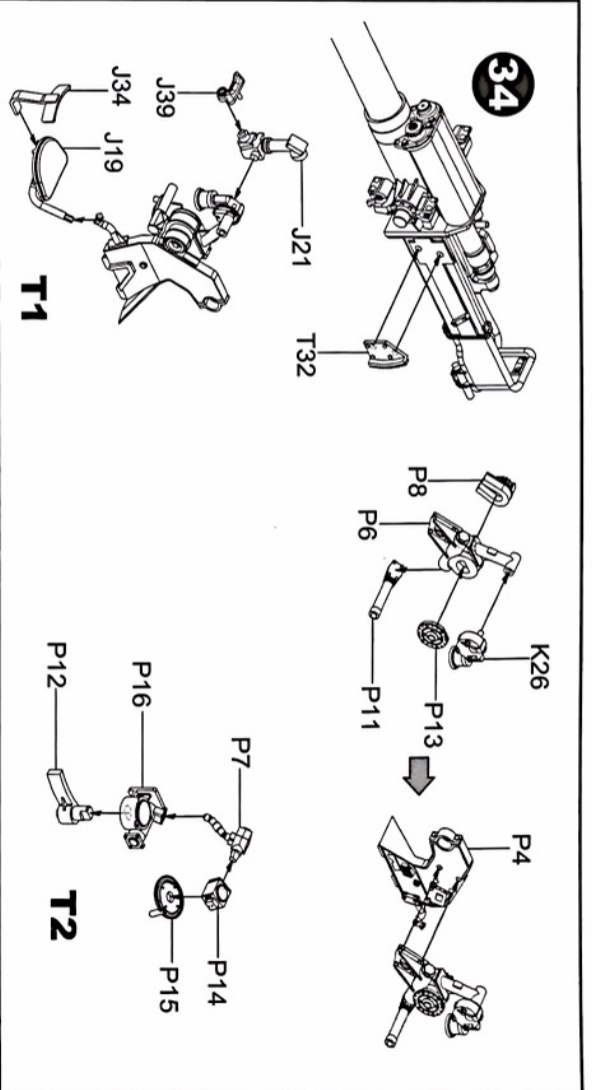
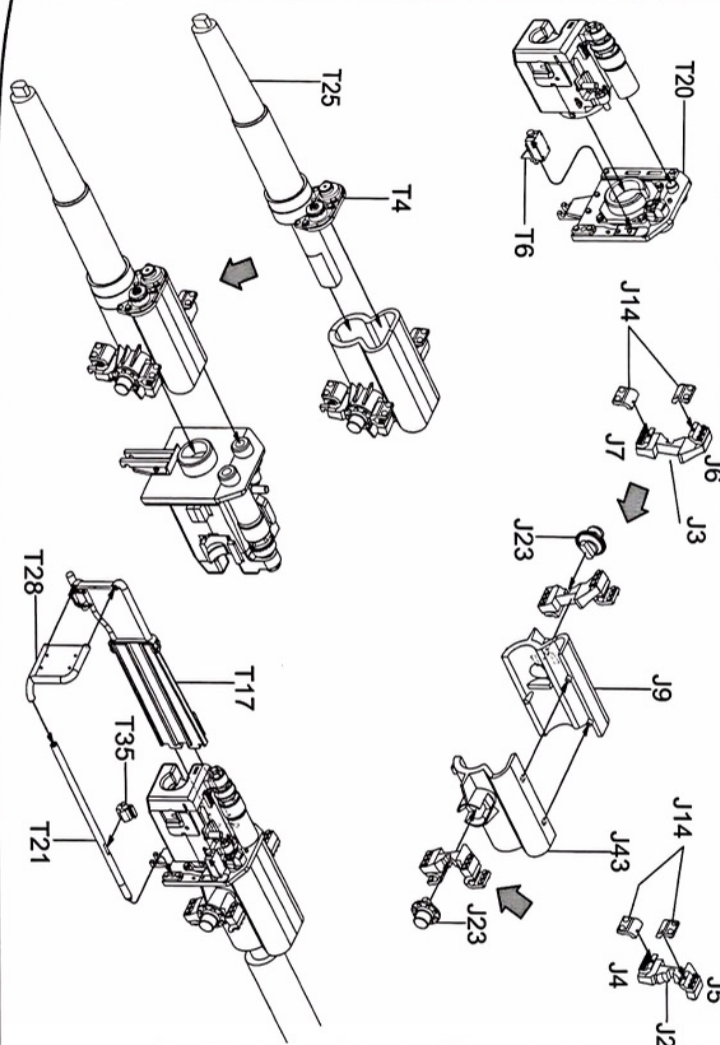
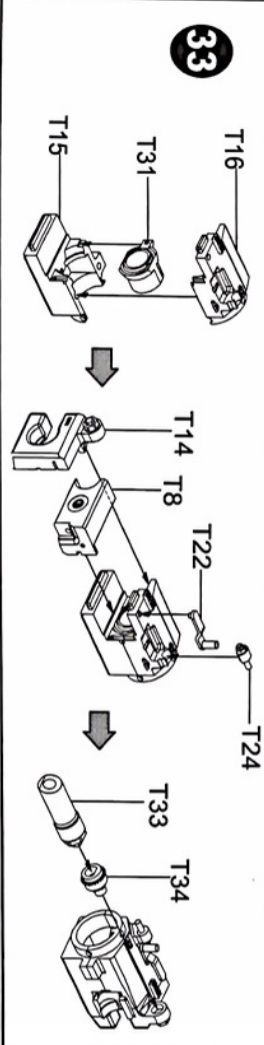
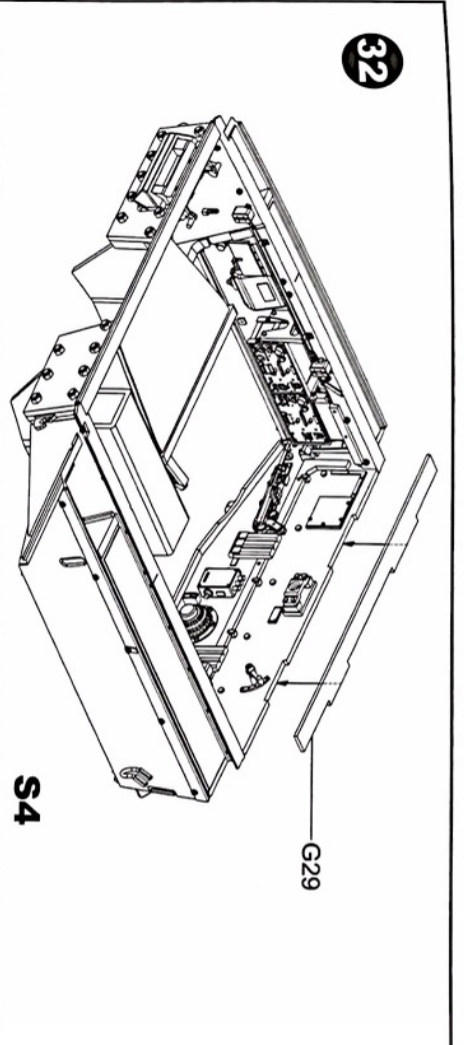


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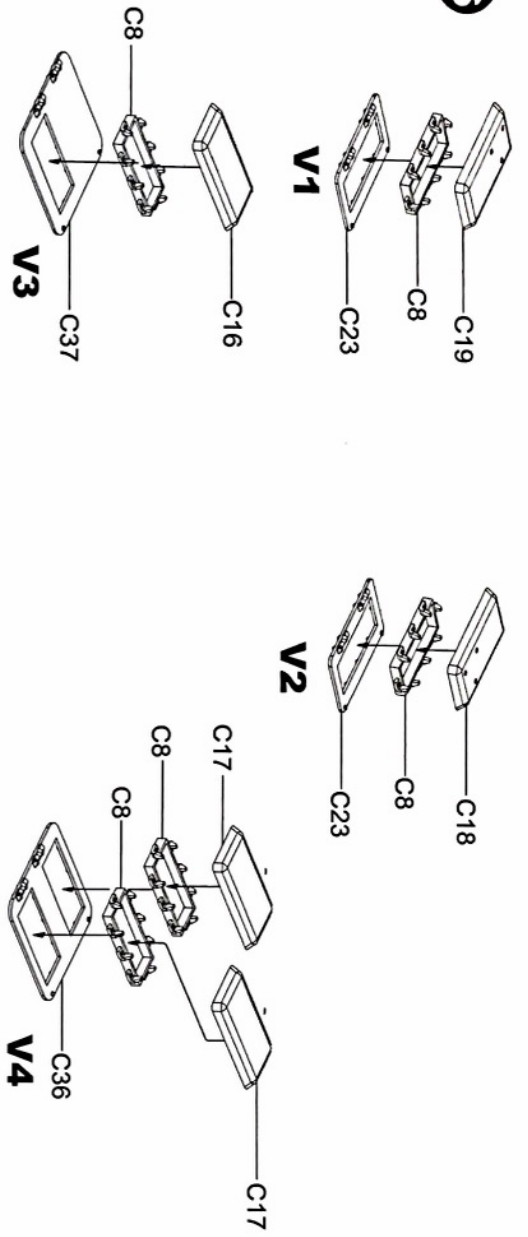




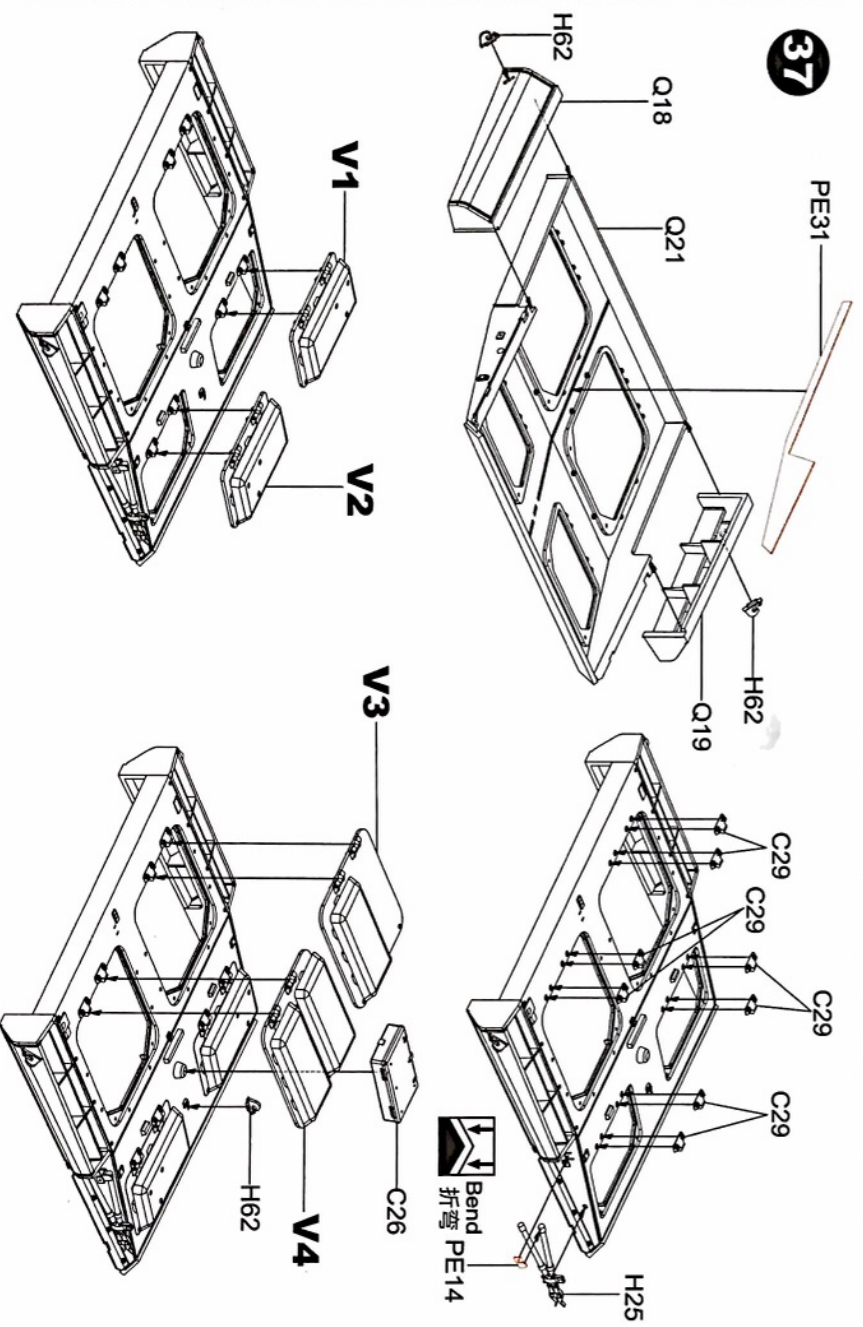




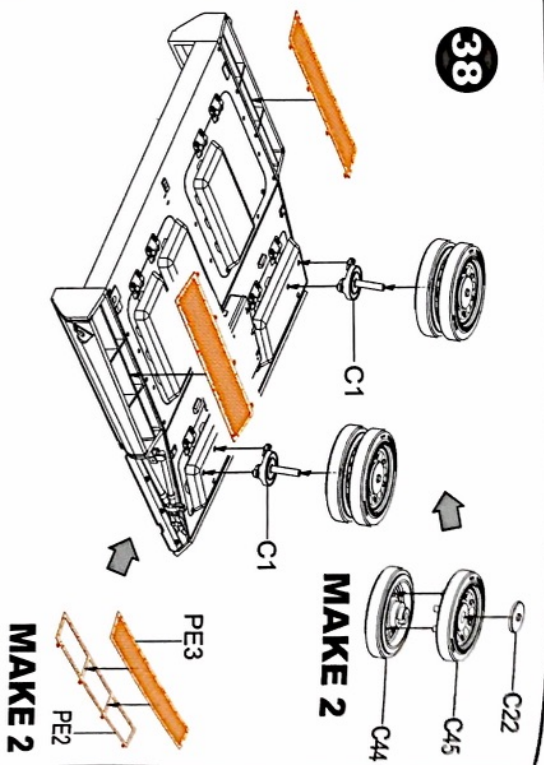
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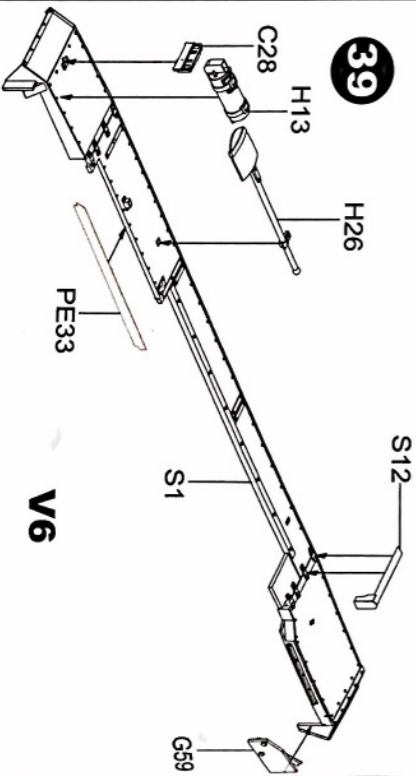
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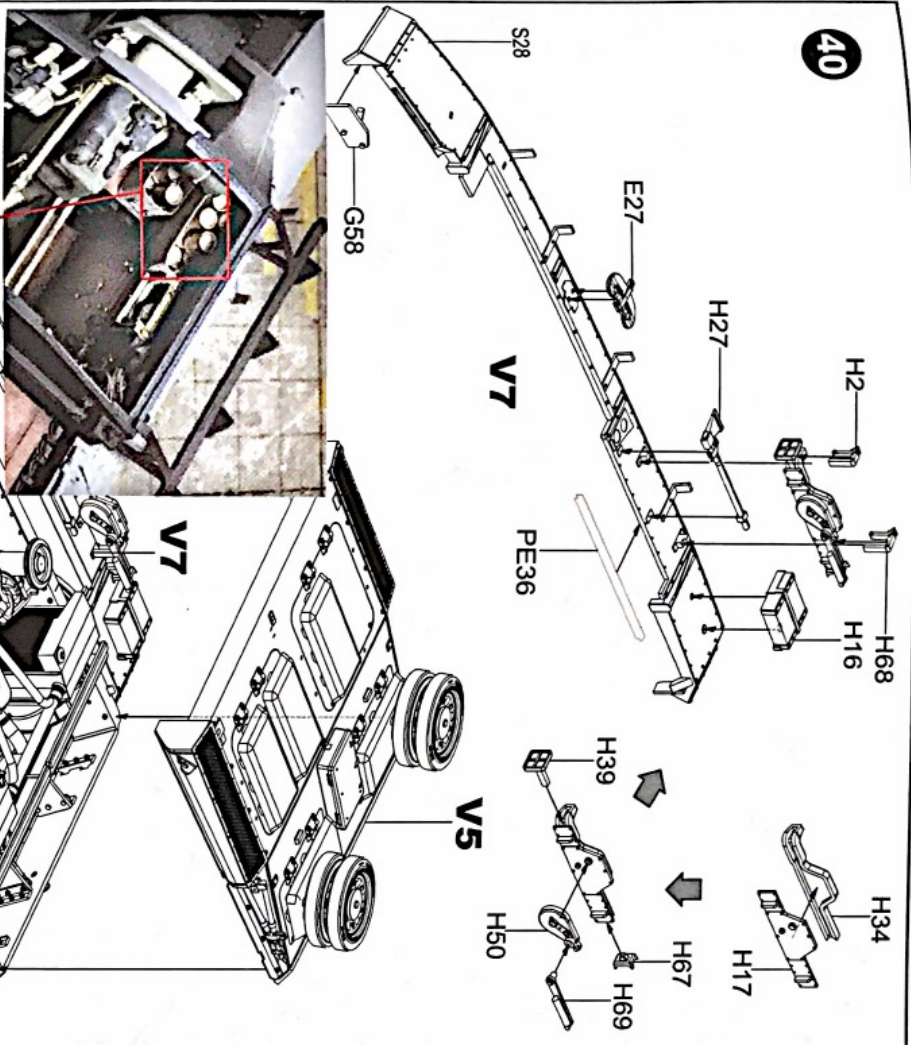
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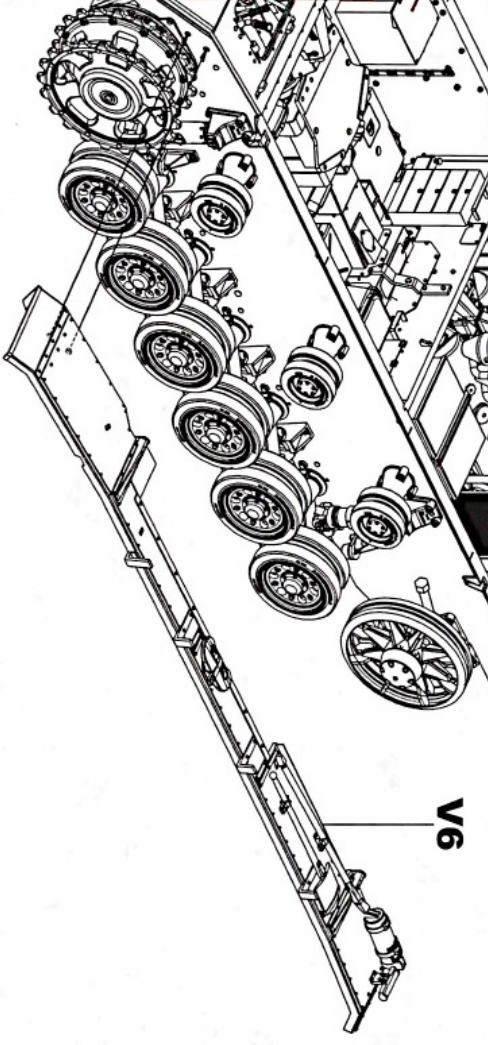
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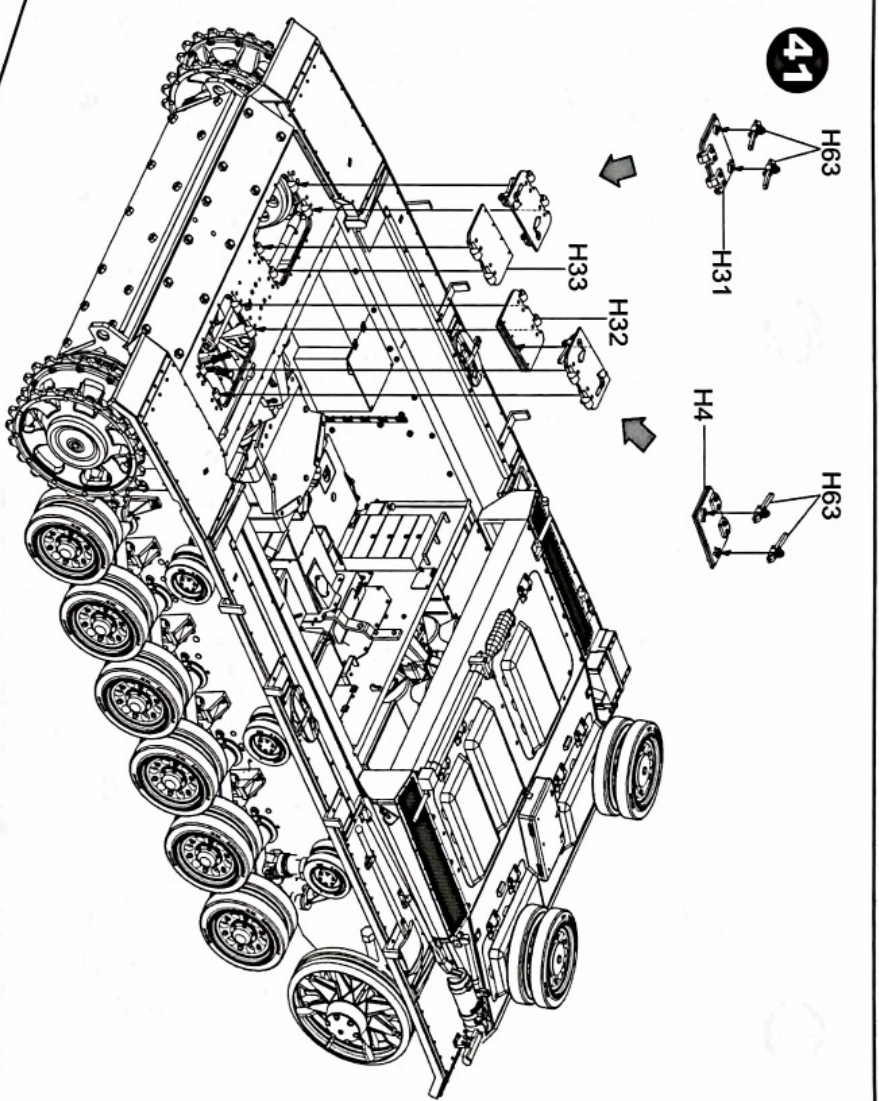
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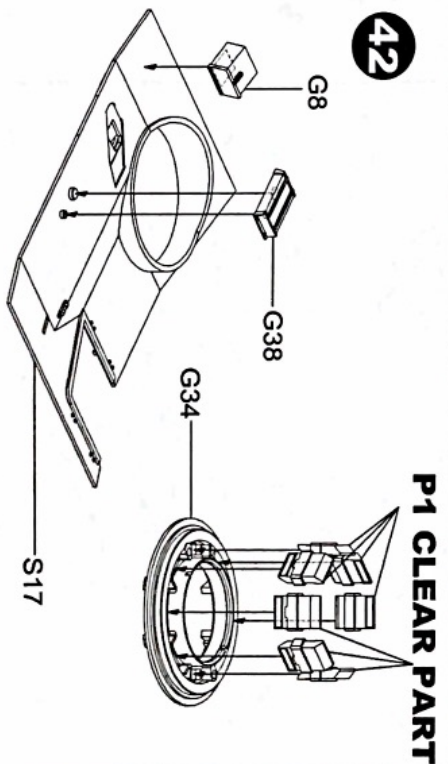
根据一些无法确定的考证资料。在这两处上方可以堆放105炮的发射药包或者铜片自制。使用胶板或者铜片自制。
 According to some inconclusive textual data. The gunpowder for the 105 cannon can be stacked on top of these two positions. Stacked mats can be made from either plastic or copper sheets.



41



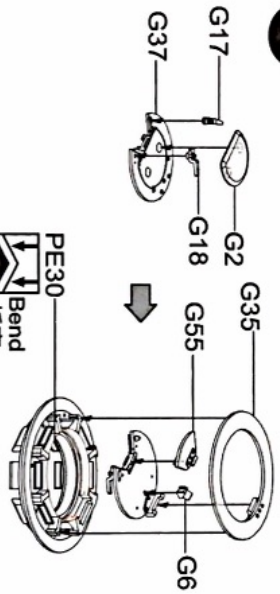
42



P1 CLEAR PART

关闭状态

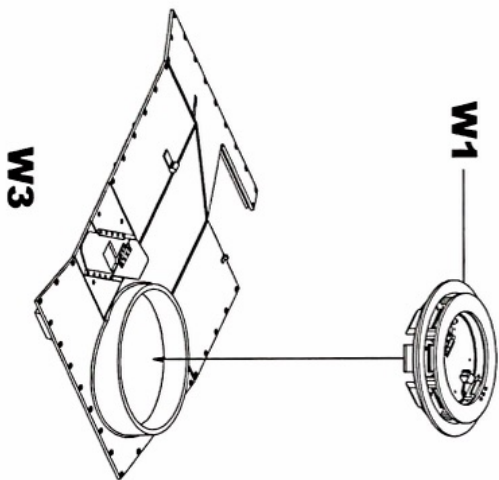
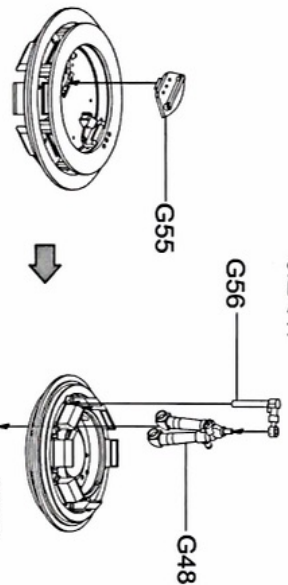
43



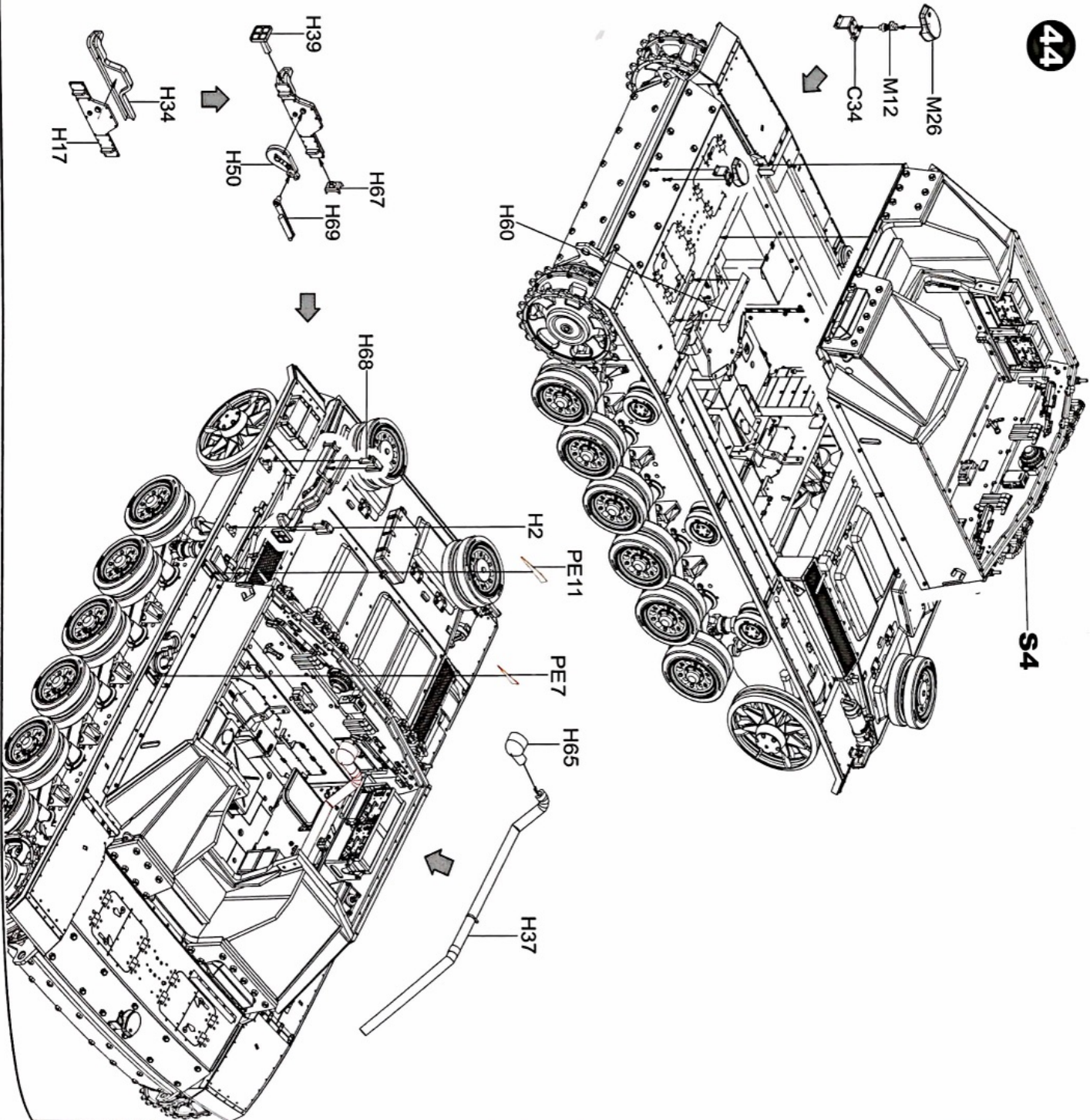
W1

打开状态

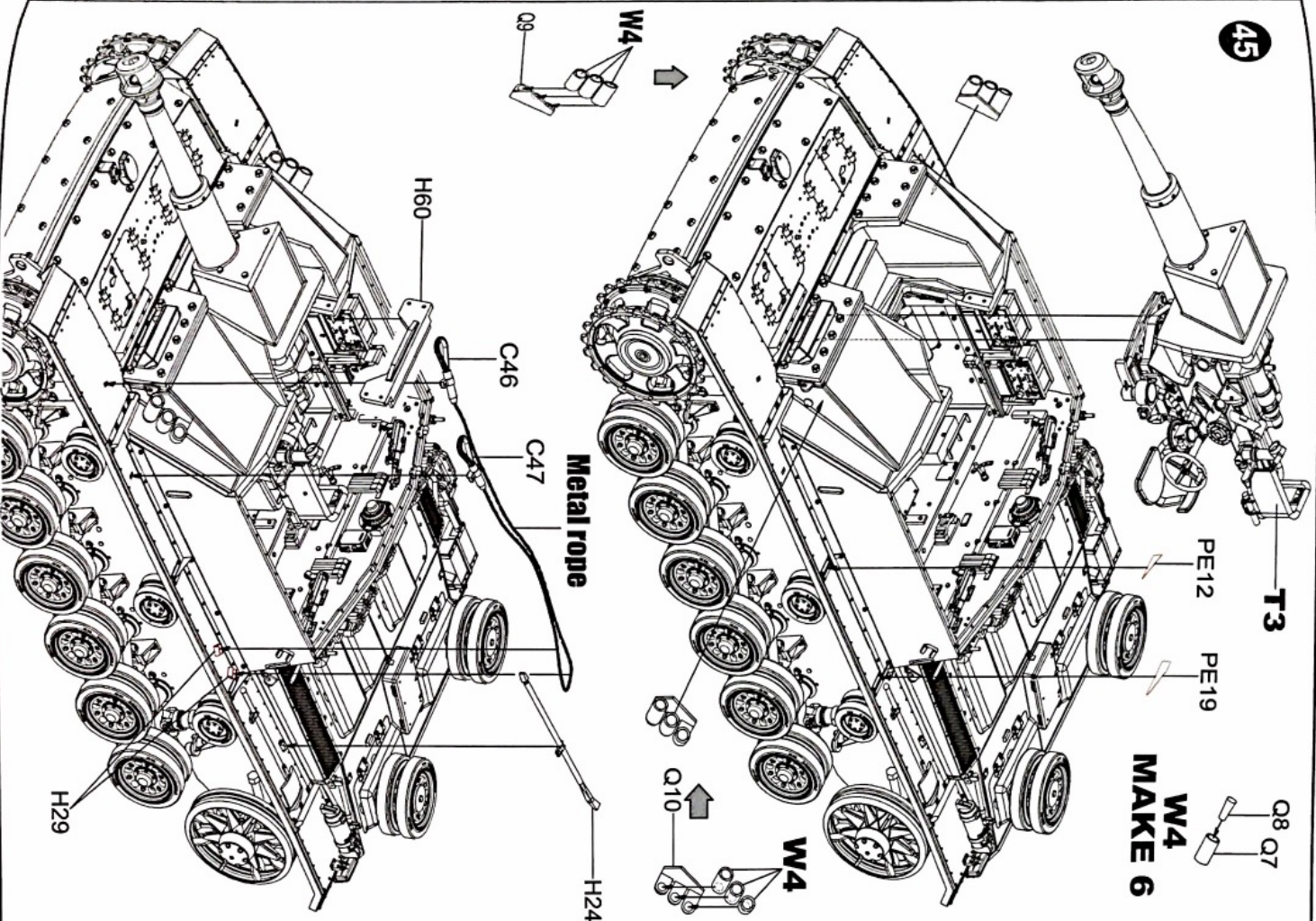
Optional
可选零件



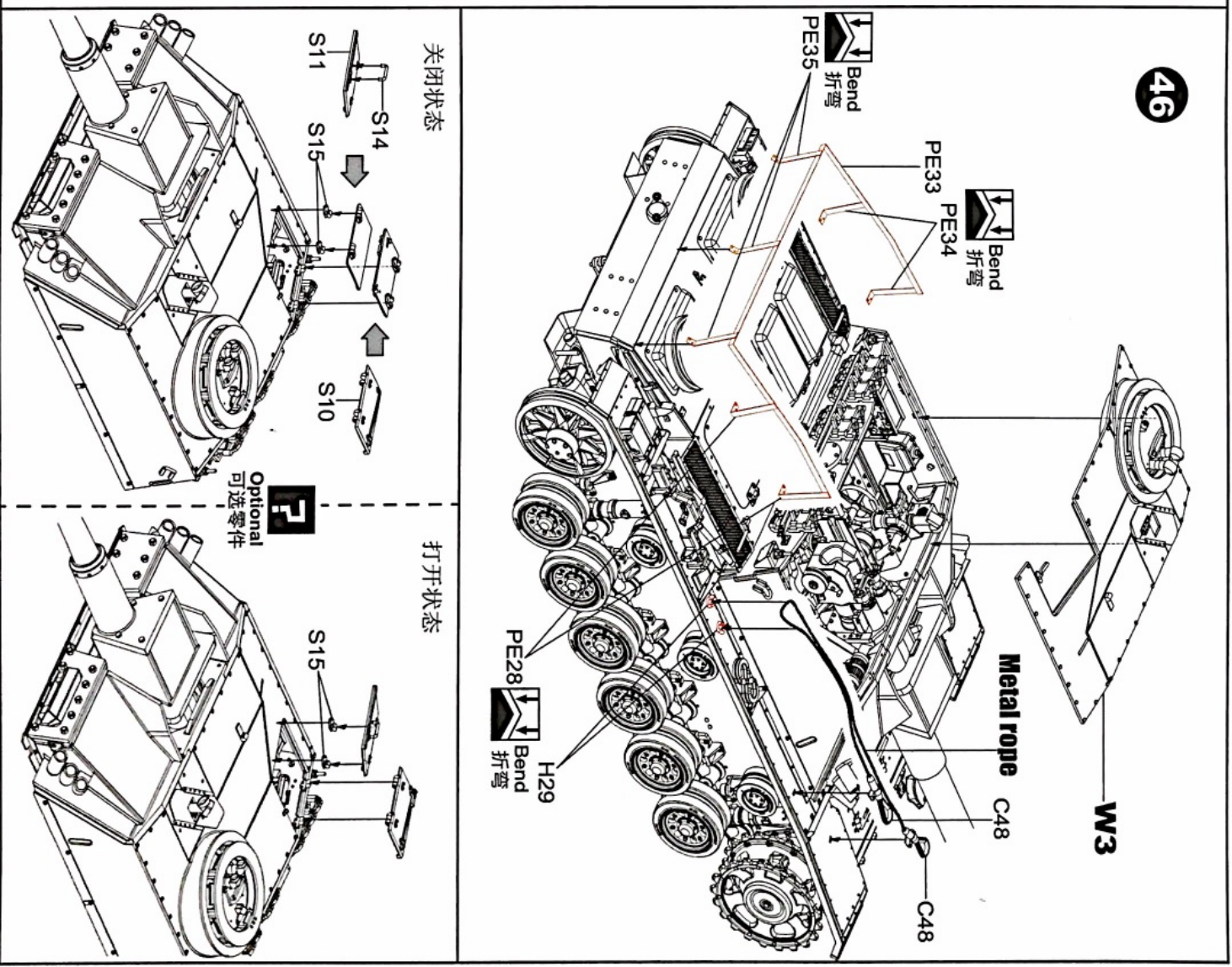
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45



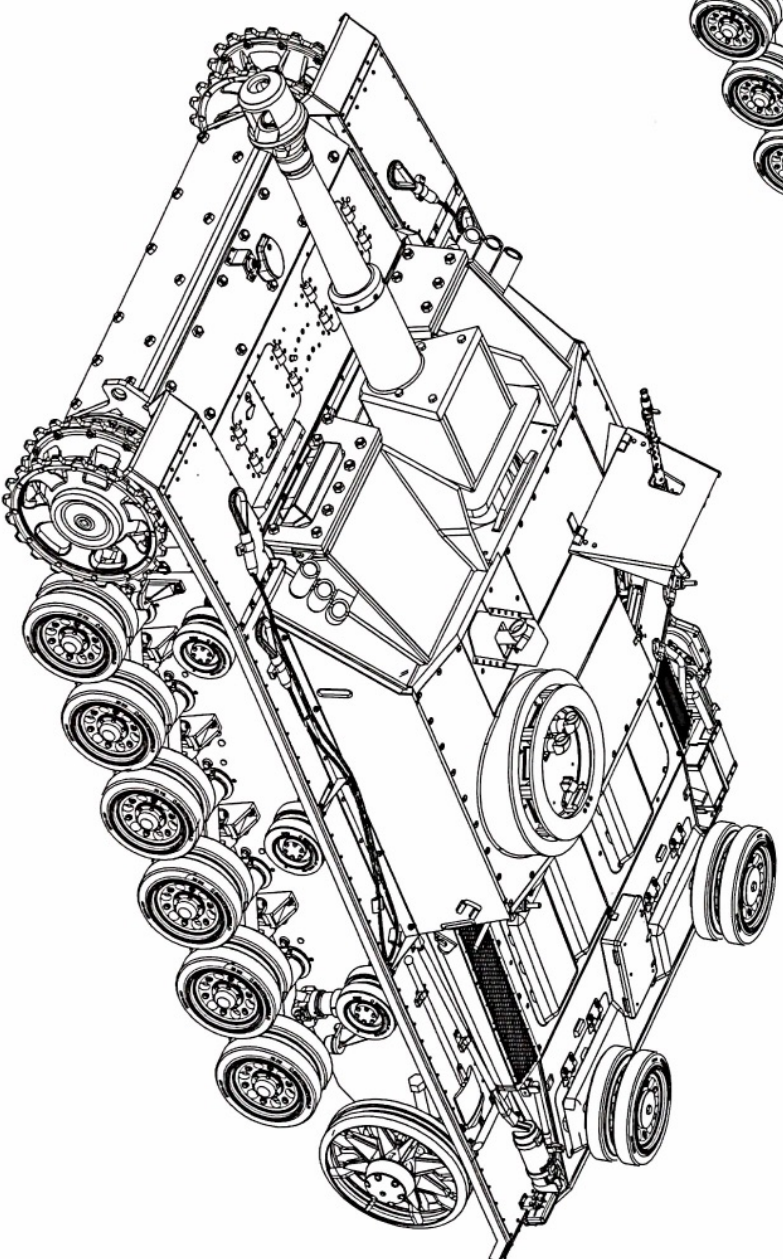
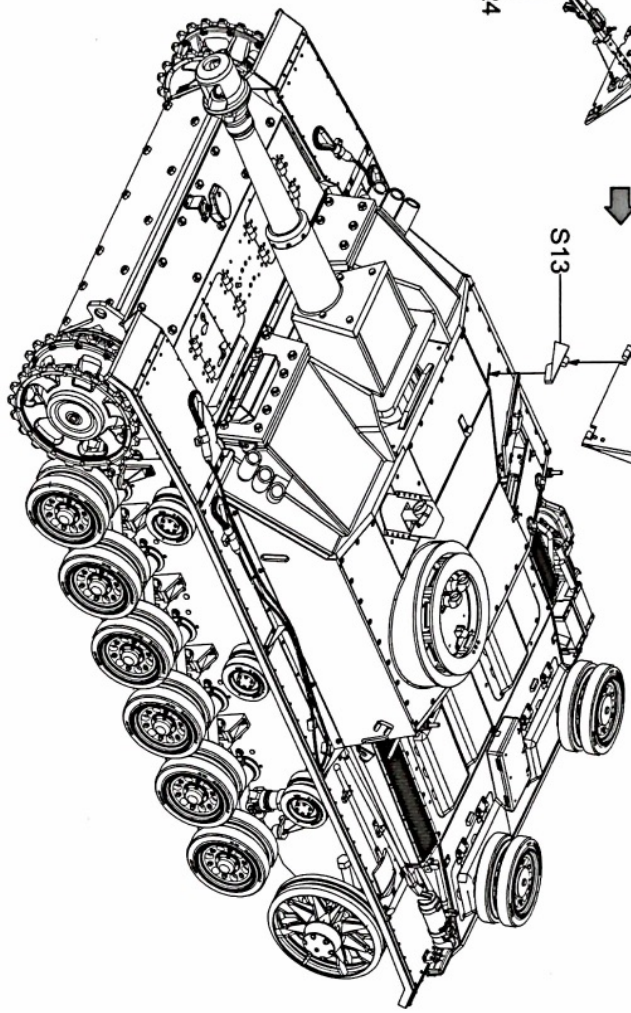
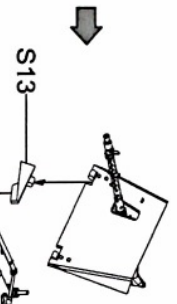
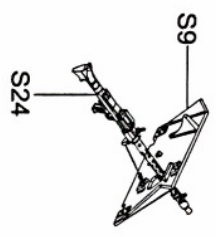
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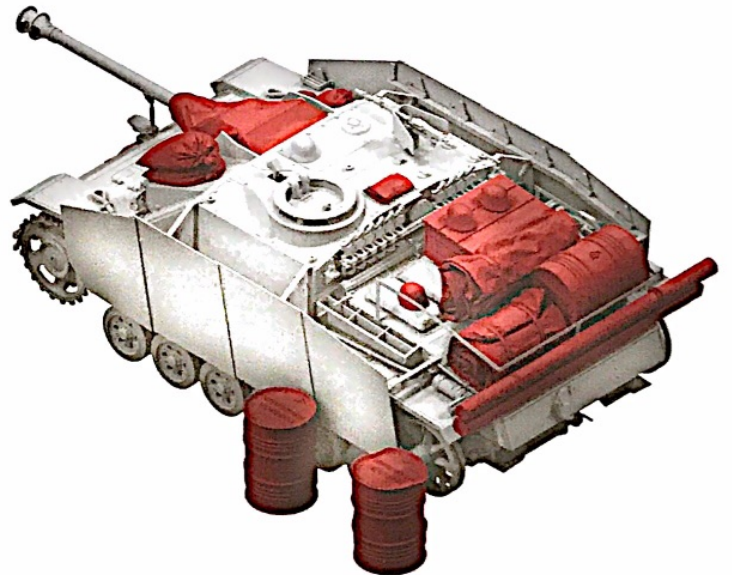
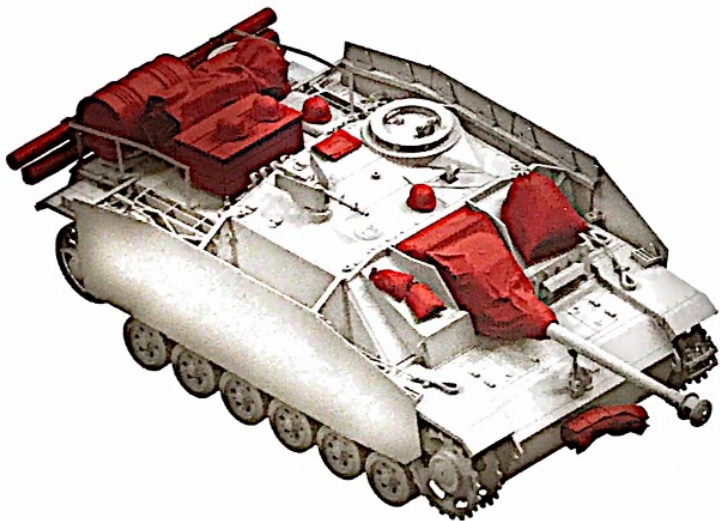
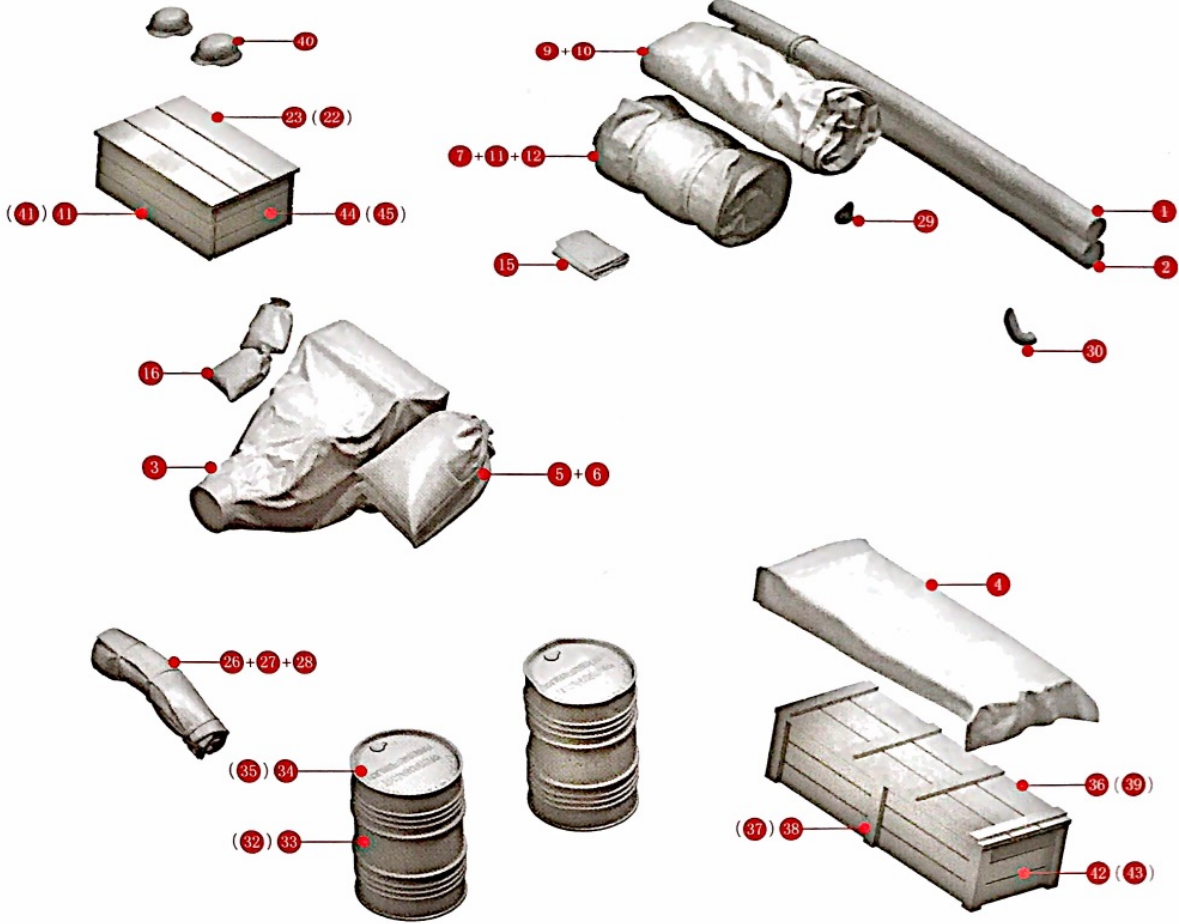


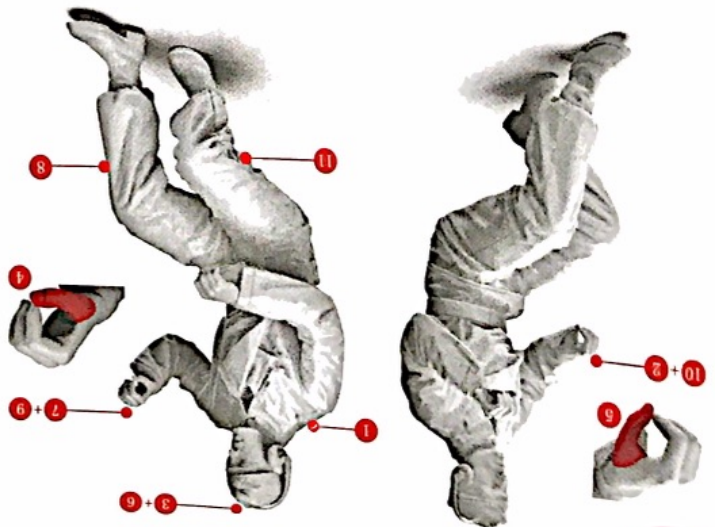
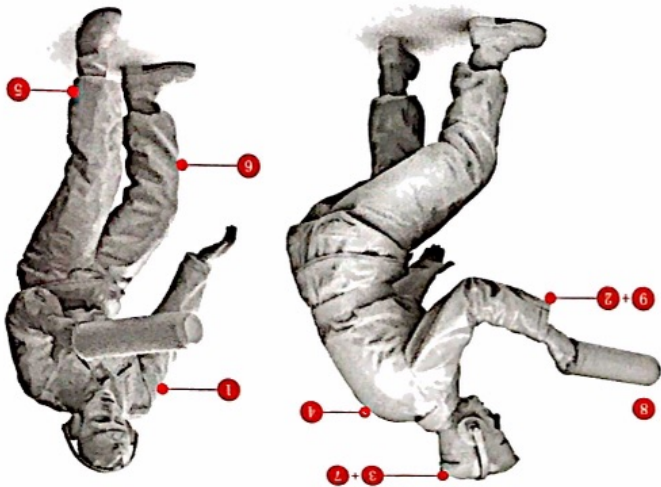
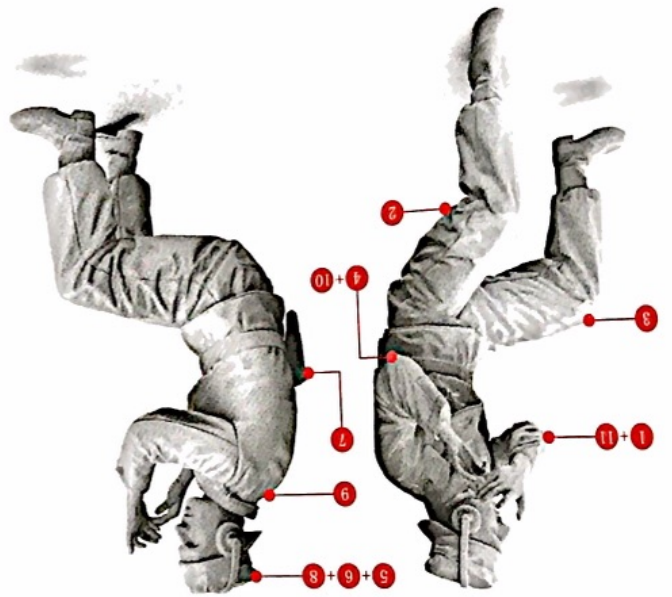
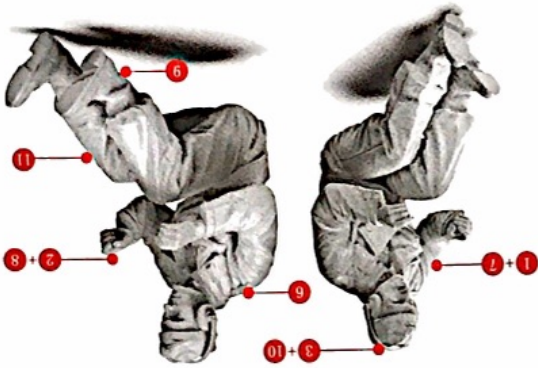
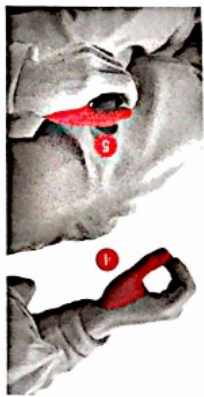
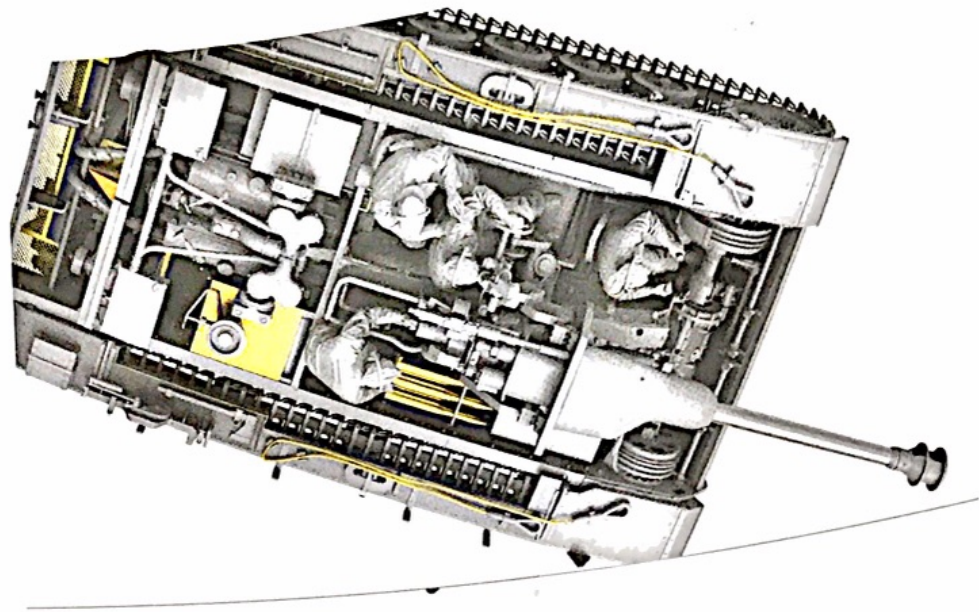
关闭状态

打开状态

Optional
可选零件





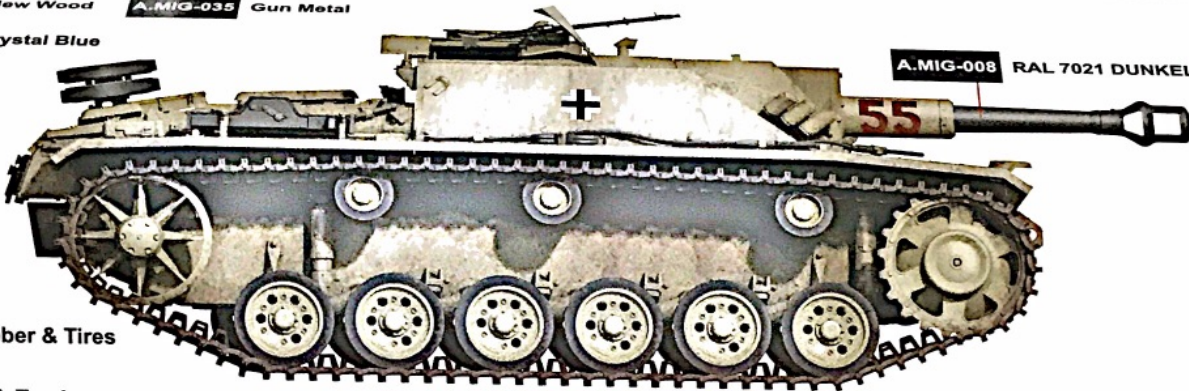


A.MIG-037 New Wood

A.MIG-035 Gun Metal

A.MIG-098 Crystal Blue

A.MIG-008 RAL 7021 DUNKELGRAU

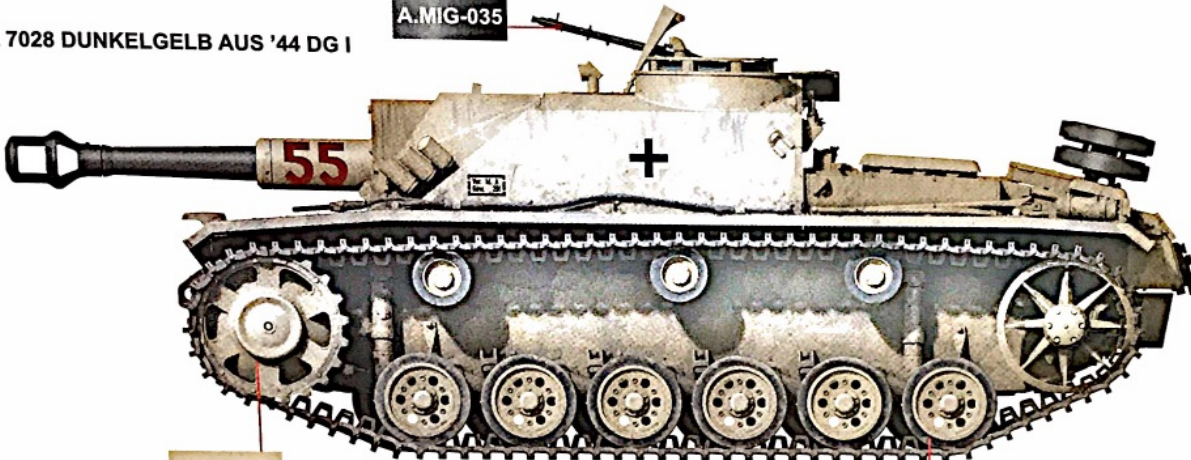


A.MIG-033 Rubber & Tires

A.MIG-035 Dark Tracks

A.MIG-011 RAL 7028 DUNKELGELB AUS '44 DG I

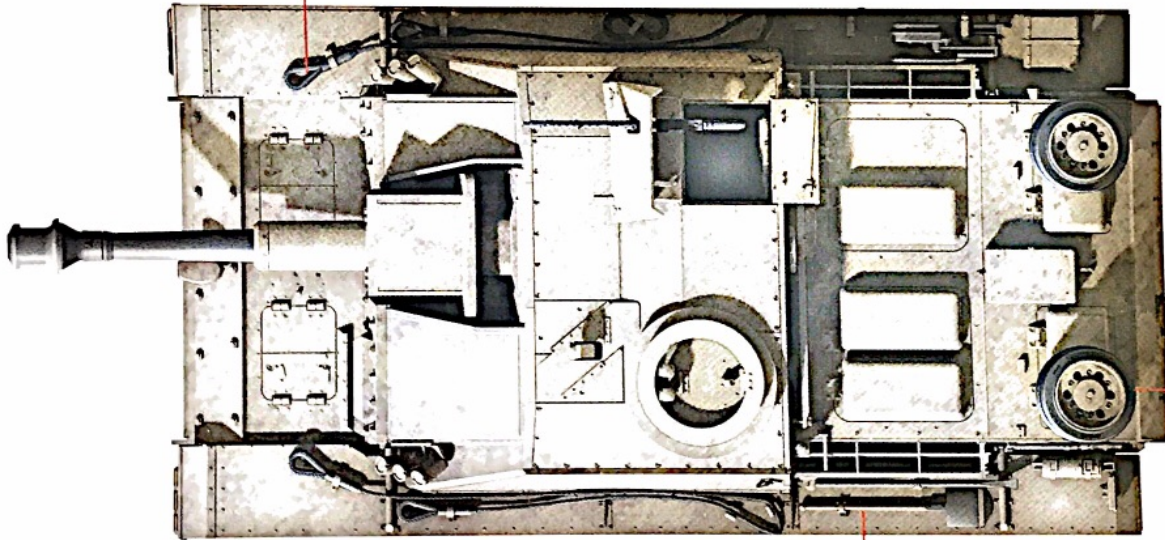
A.MIG-035



A.MIG-011

A.MIG-035

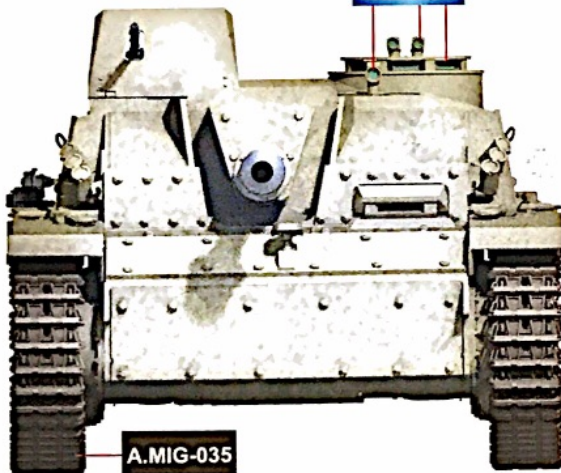
A.MIG-033



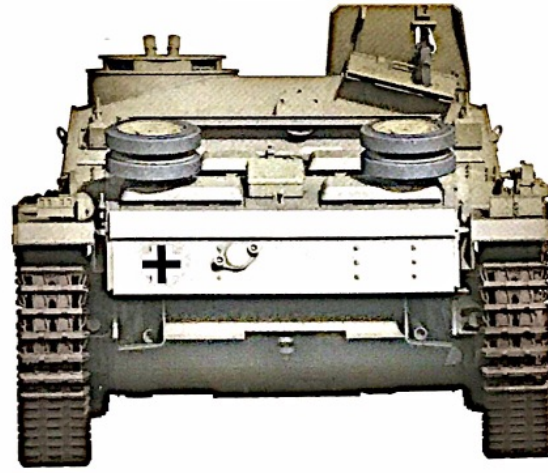
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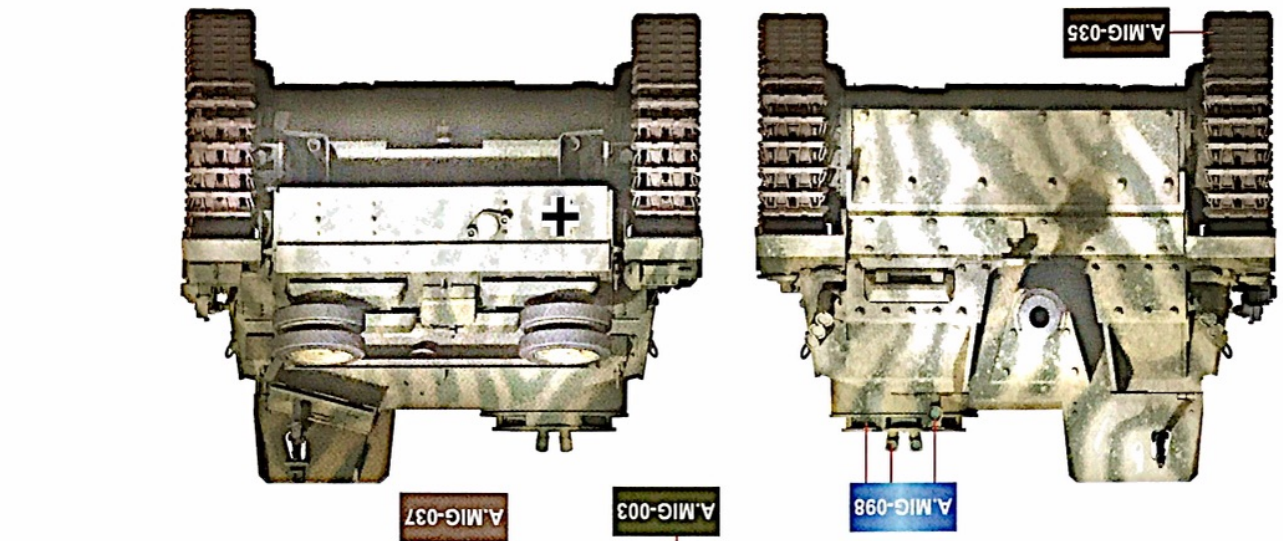
A.MIG-098

A.MIG-037



A.MIG-035



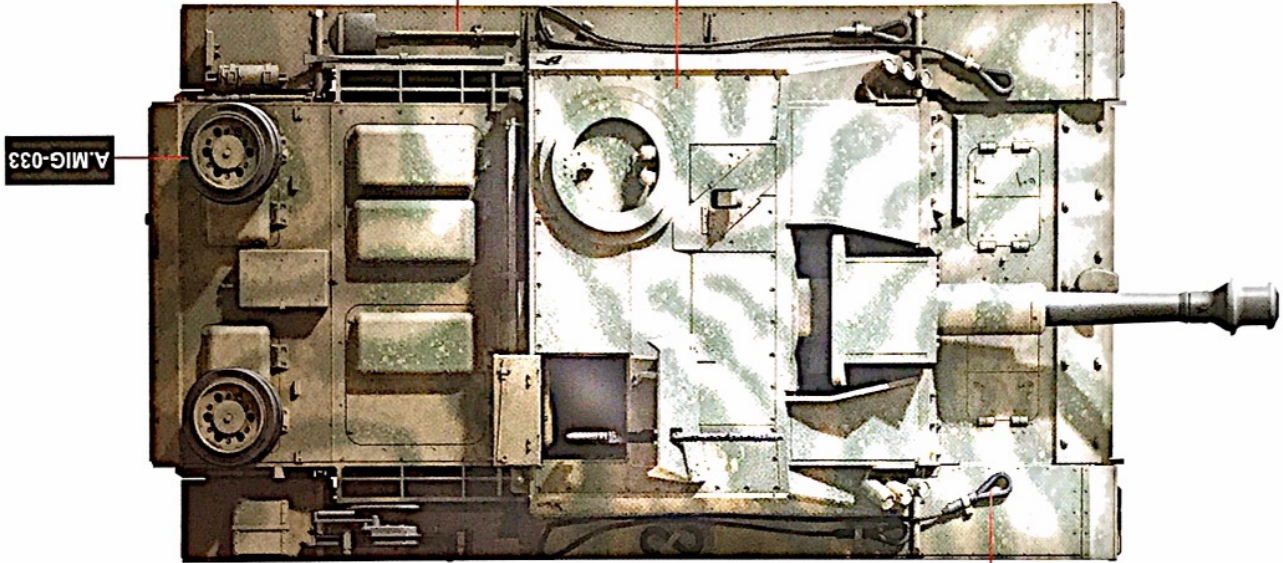


A.MIG-035

A.MIG-098

A.MIG-003

A.MIG-037

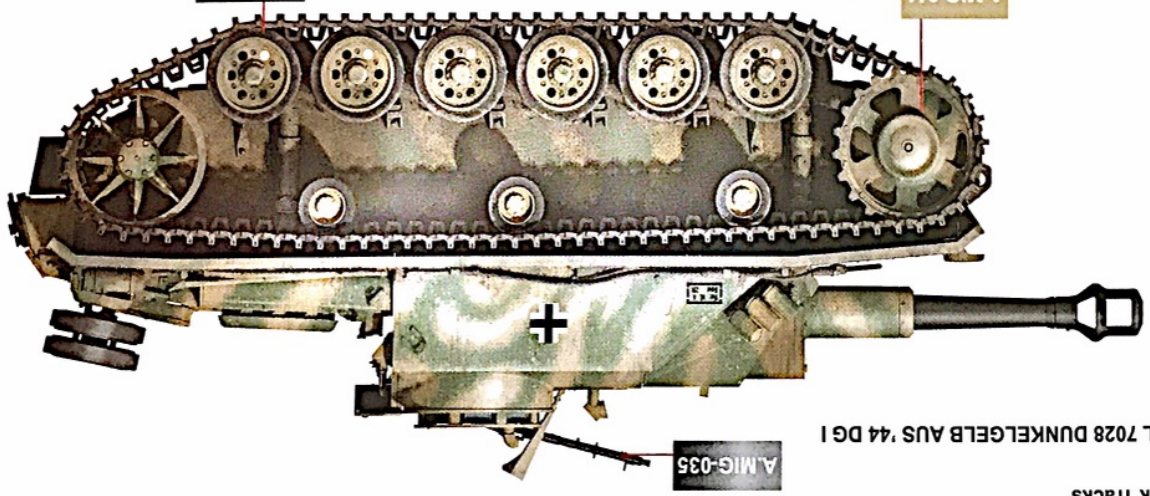


A.MIG-033

A.MIG-035

A.MIG-011

A.MIG-033

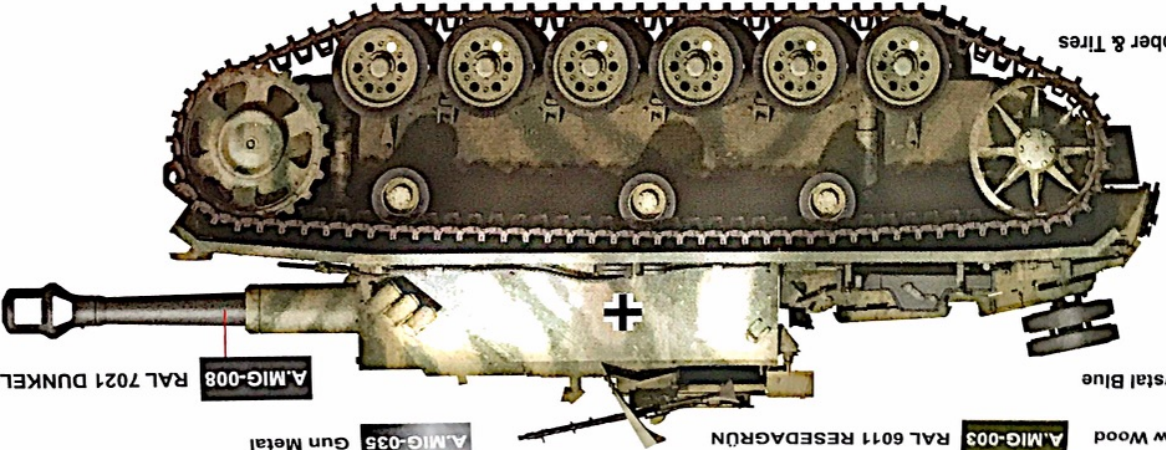


A.MIG-035

A.MIG-011 RAL 7028 DUNKELGELB AUS '44 DG I

A.MIG-035 Dark Tracks

A.MIG-033 Rubber & Tires



A.MIG-008 RAL 7021 DUNKELGRAU

A.MIG-098 Crystal Blue

A.MIG-035 Gun Metal

A.MIG-003 RAL 6011 RESEDAGRÜN

A.MIG-037 New Wood

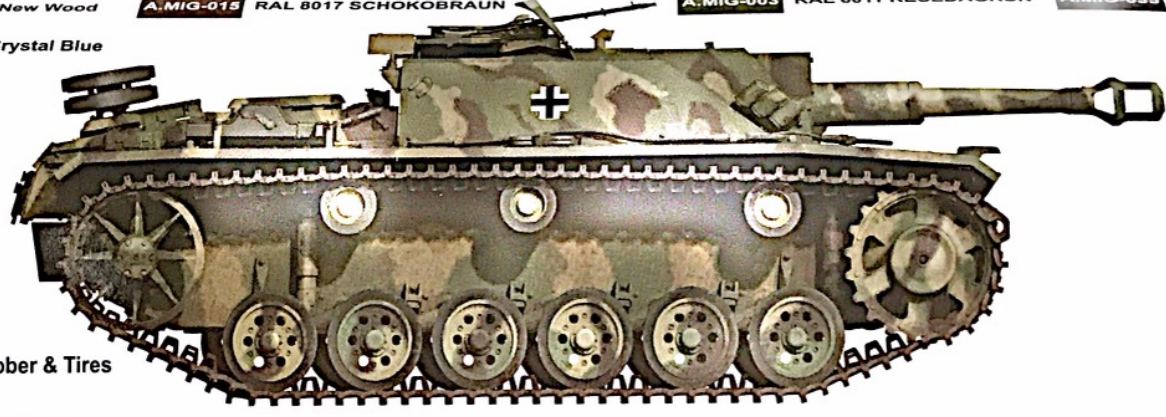
A.MIG-037 New Wood

A.MIG-015 RAL 8017 SCHOKOBRAUN

A.MIG-003 RAL 6011 RESEDAGRÜN

A.MIG-035 Gun Metal

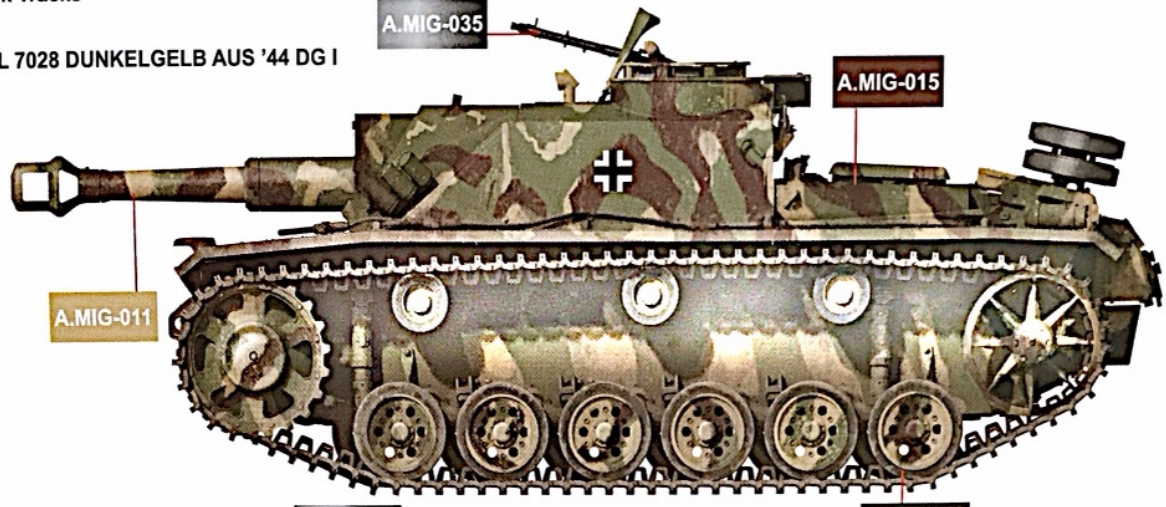
A.MIG-098 Crystal Blue



A.MIG-033 Rubber & Tires

A.MIG-035 Dark Tracks

A.MIG-011 RAL 7028 DUNKELGELB AUS '44 DG I



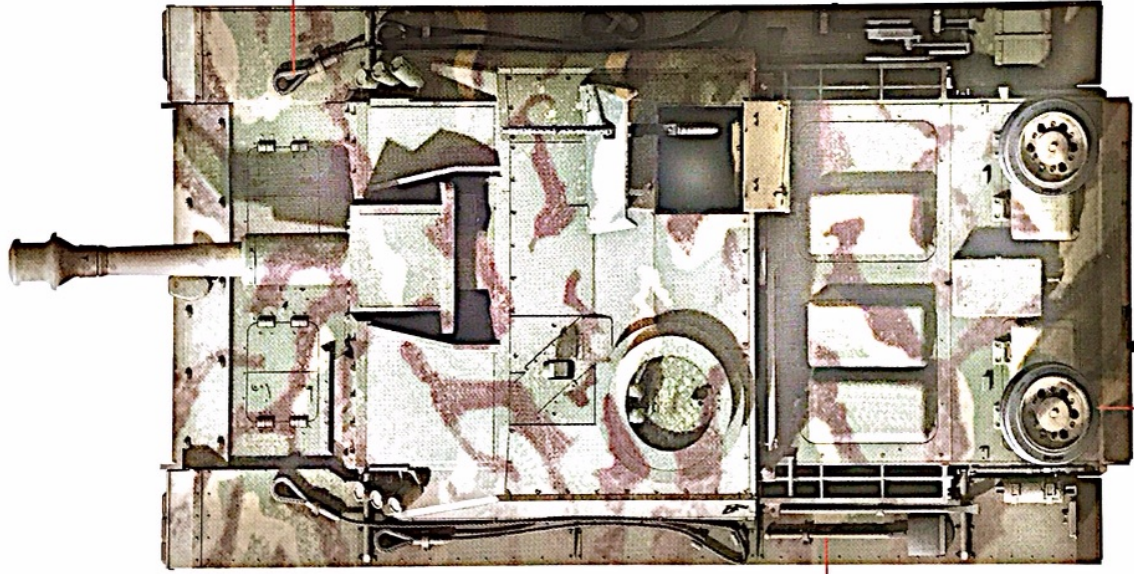
A.MIG-035

A.MIG-015

A.MIG-011

A.MIG-035

A.MIG-033

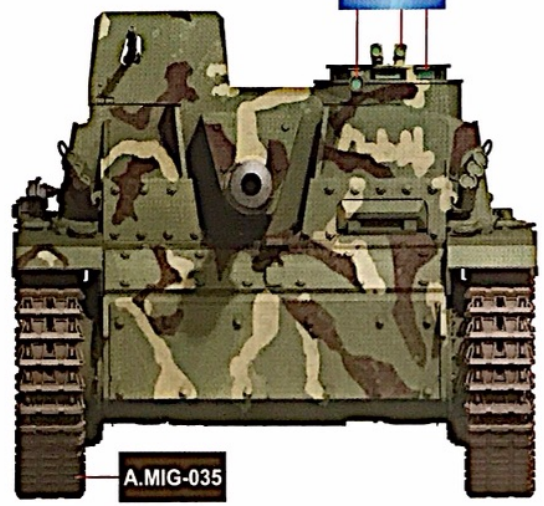


A.MIG-033

A.MIG-098

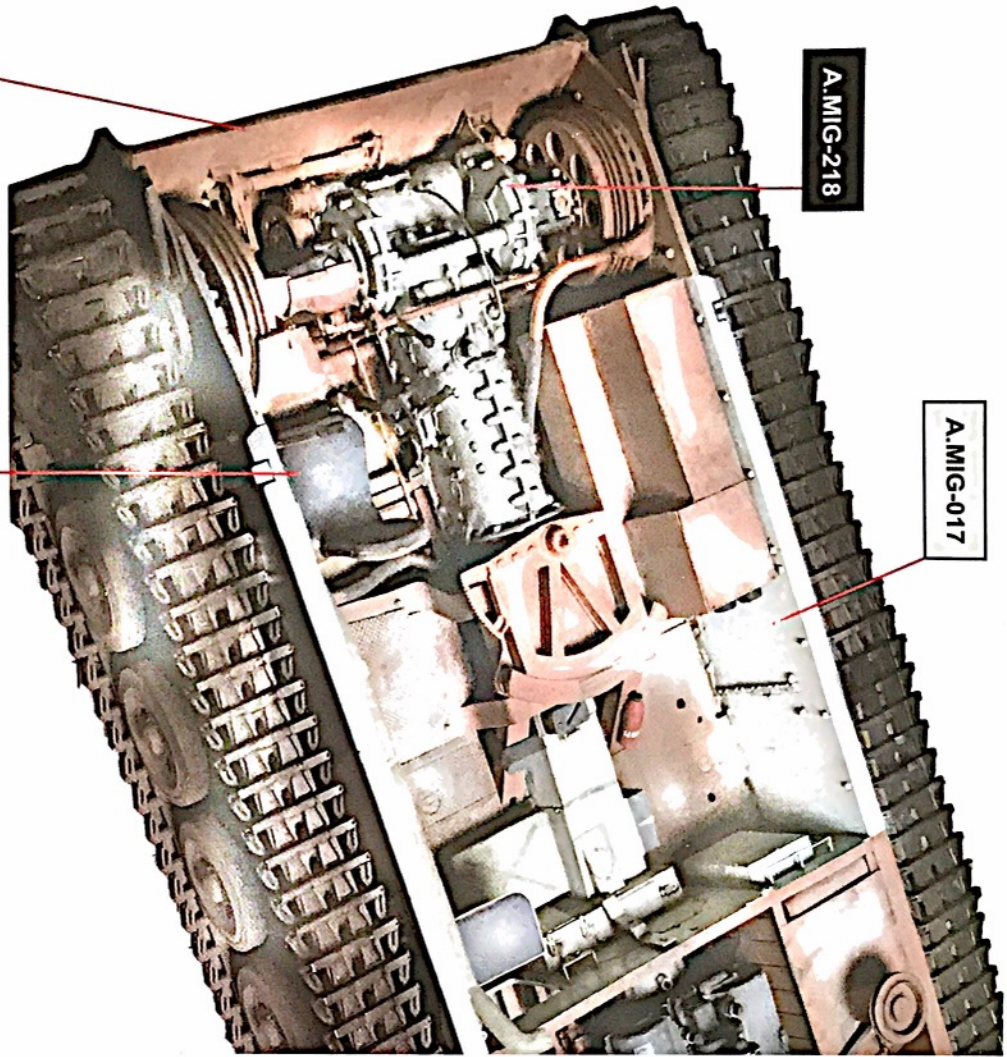
A.MIG-003

A.MIG-037



A.MIG-035





A.MIG-218

A.MIG-017

A.MIG-014

A.MIG-032

A.MIG-049

A.MIG-032

A.MIG-017

Red

Satin Black

Cremeweiss

A.MIG-194

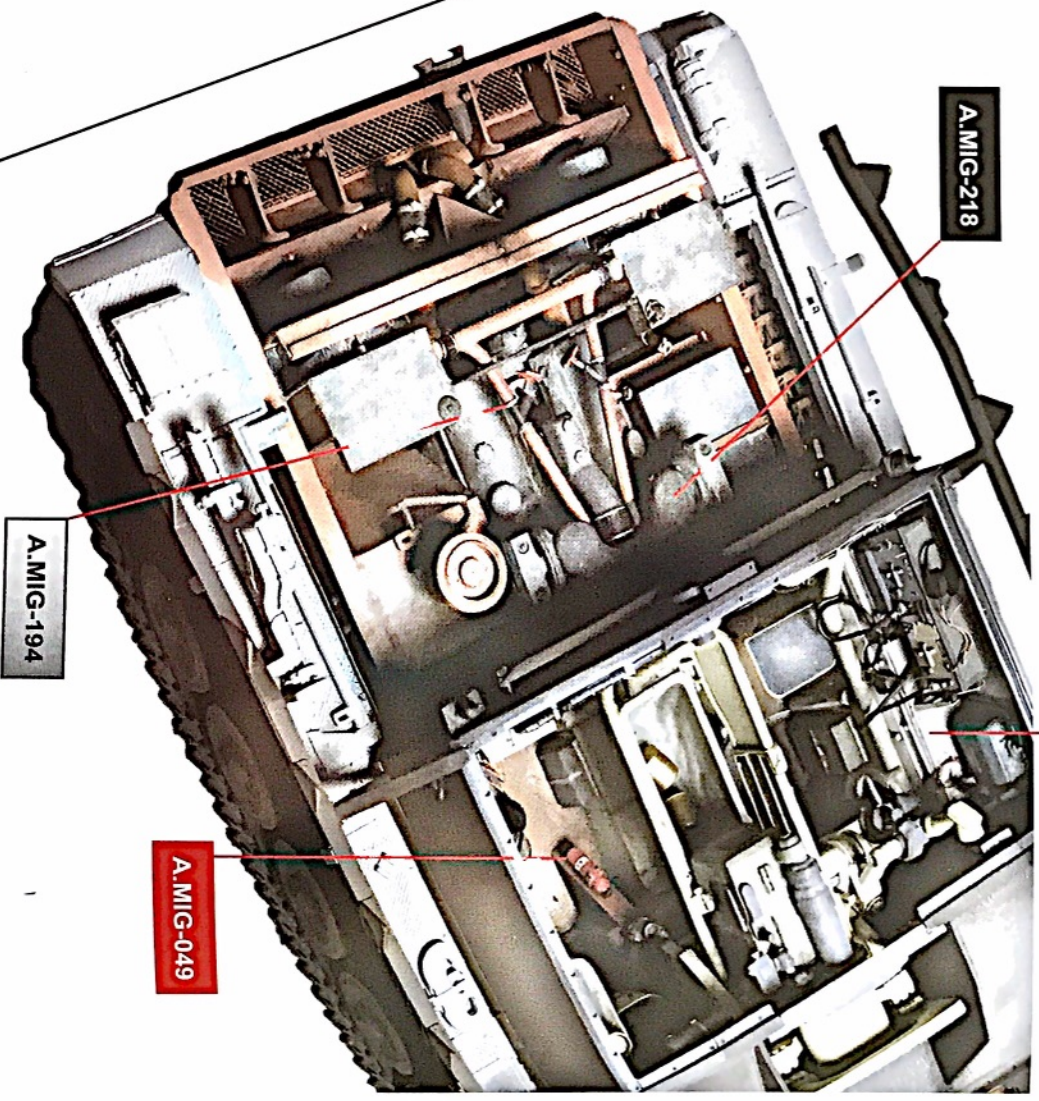
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A.MIG-014

Matt Aluminium

Schwarzgrau

RAL8012 Rotbraun

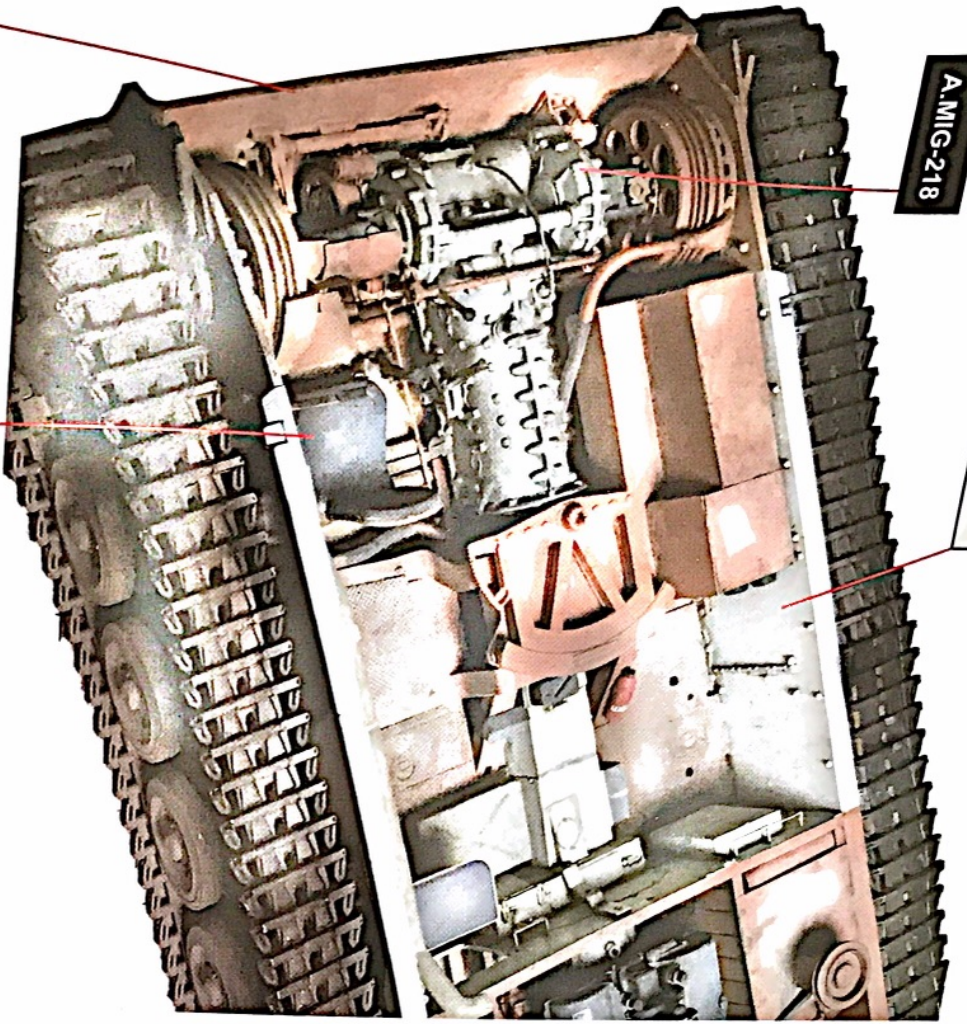


A.MIG-218

A.MIG-017

A.MIG-194

A.MIG-049



A.MIG-218

A.MIG-017

A.MIG-014

A.MIG-032

A.MIG-049

A.MIG-032

A.MIG-017

Red

Satin Black

Cremerweiss

A.MIG-194

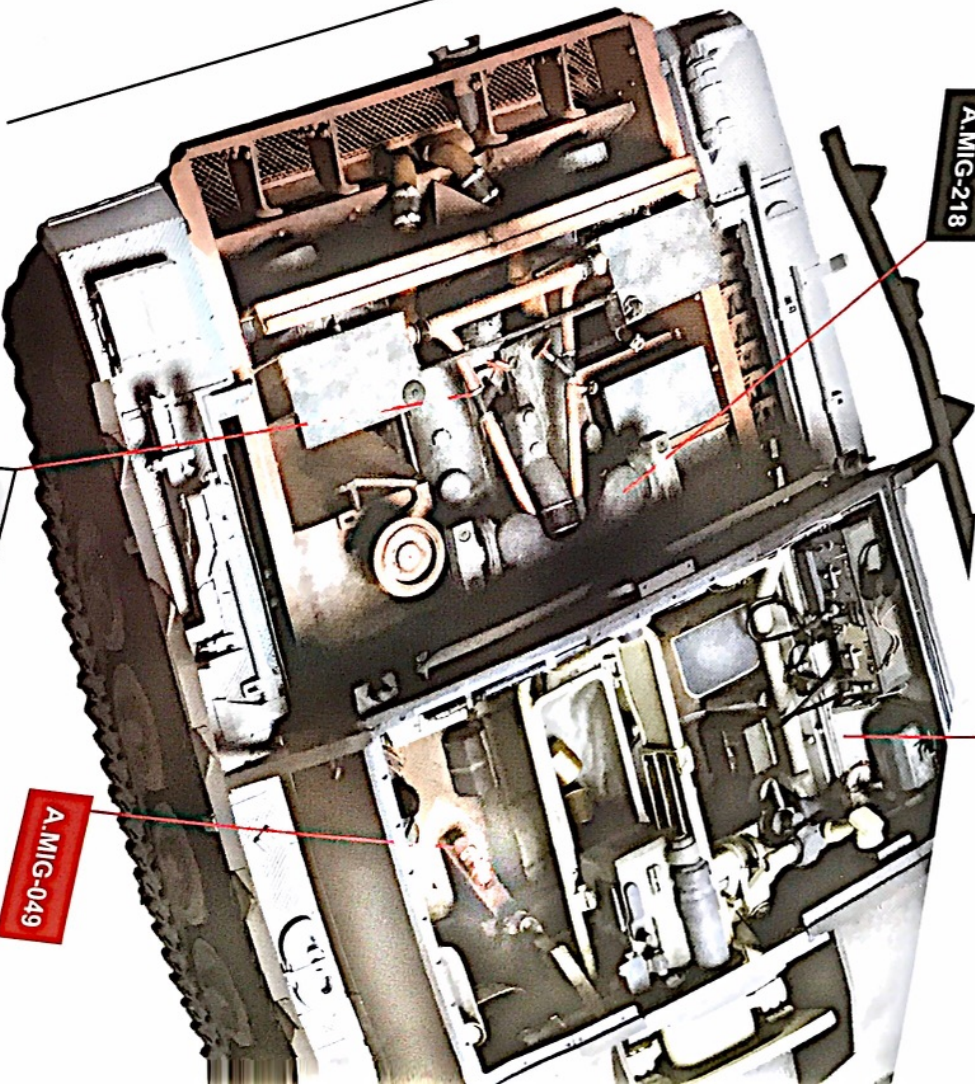
A.MIG-218

A.MIG-014

Matt Aluminium

Schwarzgrau

RAL8012 Rotbraun

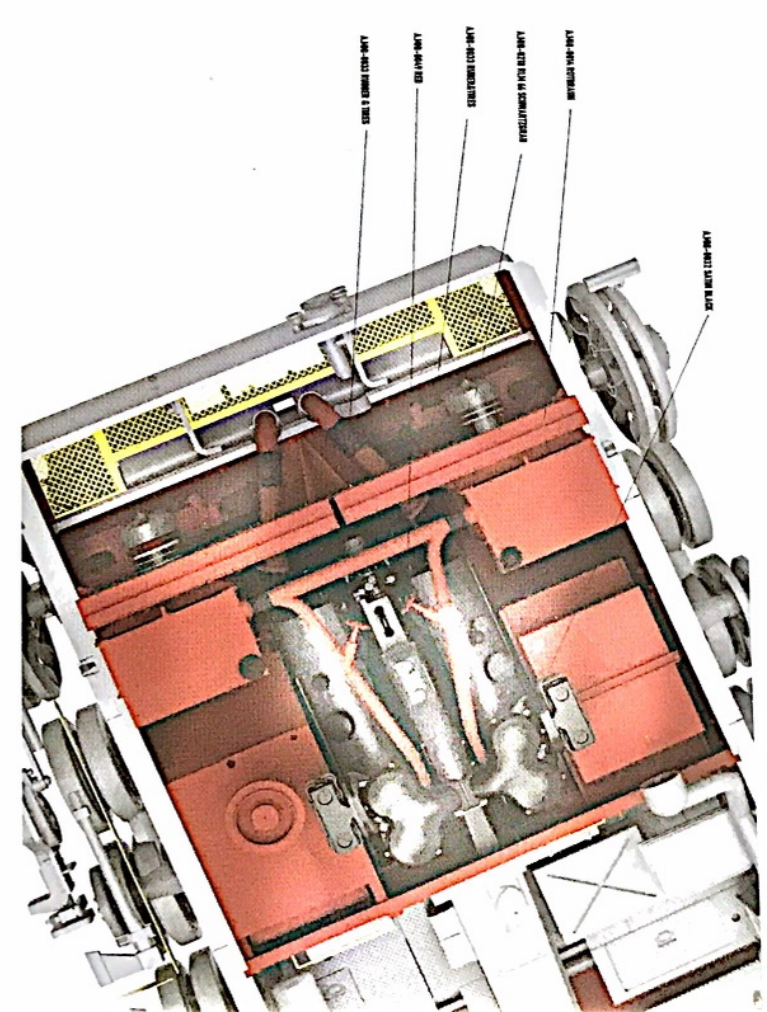
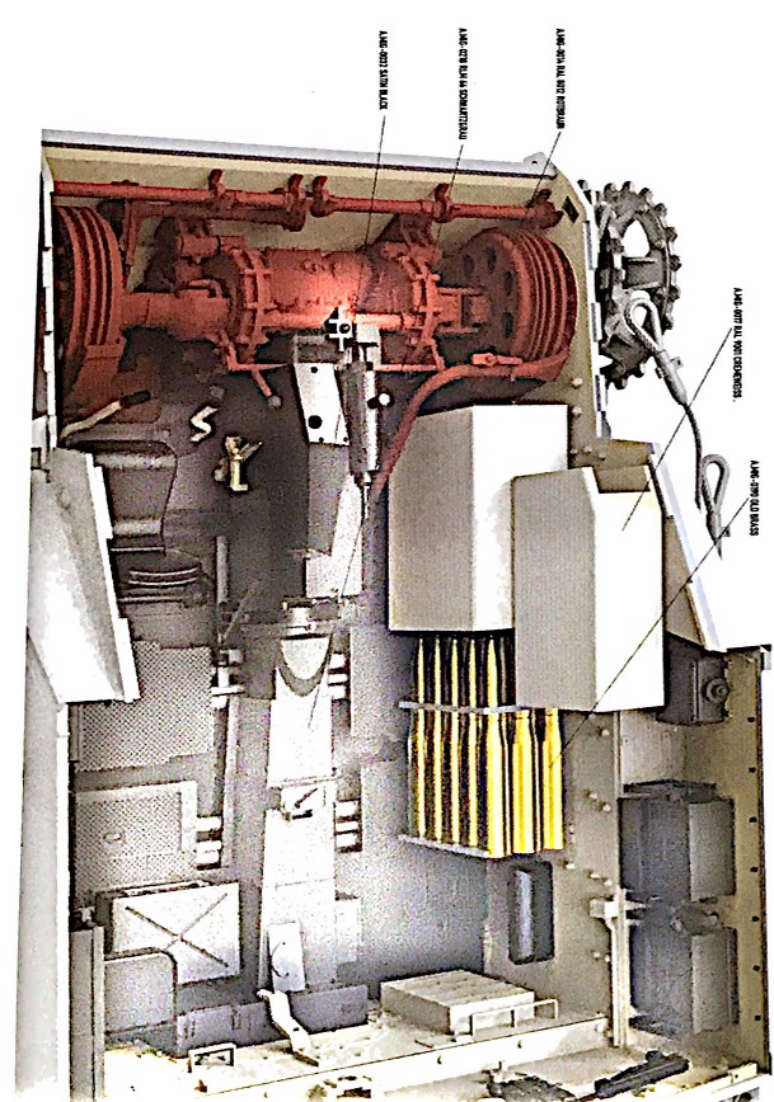
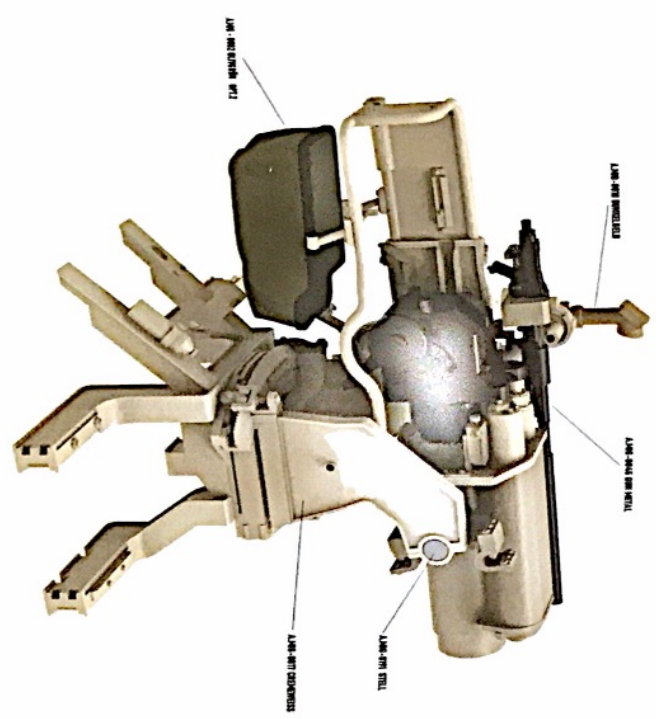
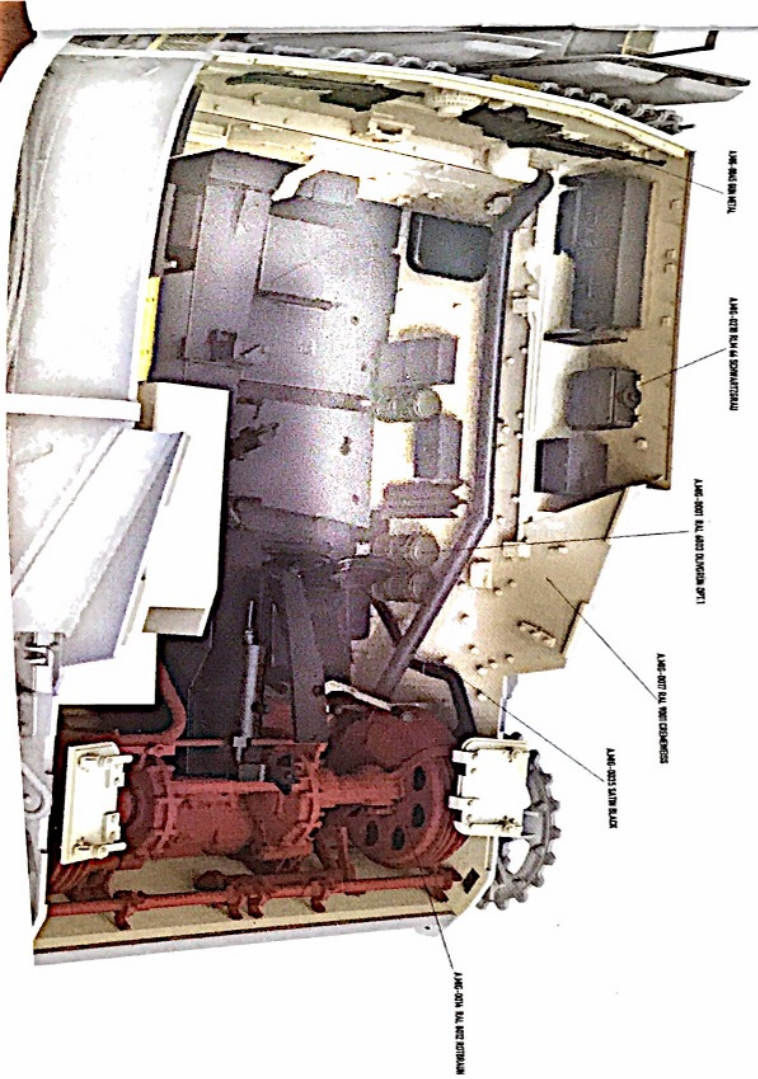


A.MIG-218

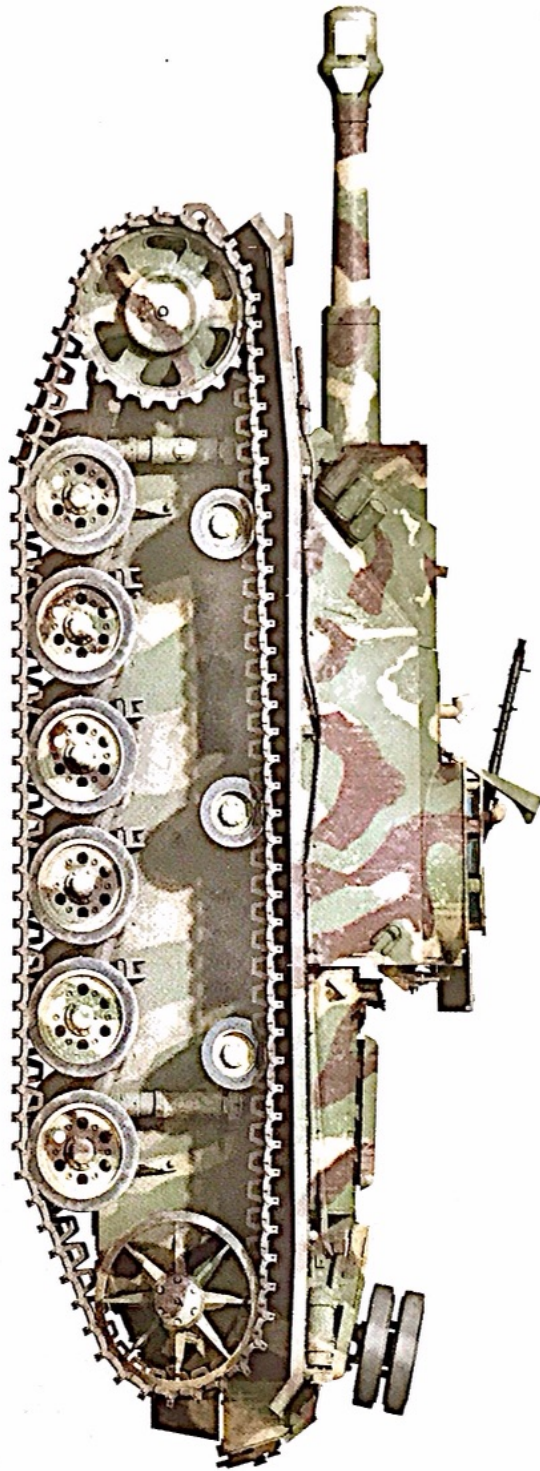
A.MIG-017

A.MIG-194

A.MIG-049



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