

# PANTHER Ausf.D

Early / Mid  
Production  
**2in1**

**BONUS**

Transparent shell

## GERMAN TANK Sd.Kfz.171

- ▲ DETAILED STATIC DISPLAY PLASTIC MODEL
- ▲ TRACK ASSEMBLY IS AIDED WITH THE USE OF A JIG
- ▲ LINK & LENGTH STYLE TRACKS INCLUDED
- ▲ ALL HATCHES CAN BE BUILT IN OPEN OR CLOSED POSITION
- ▲ PE INCLUDED
- ▲ 4 TYPES OF MARKINGS

### Full Interior

1/35  
No.2103



JASON 2018

**TREX** Designed by  
T-Rex Studio  
in China

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

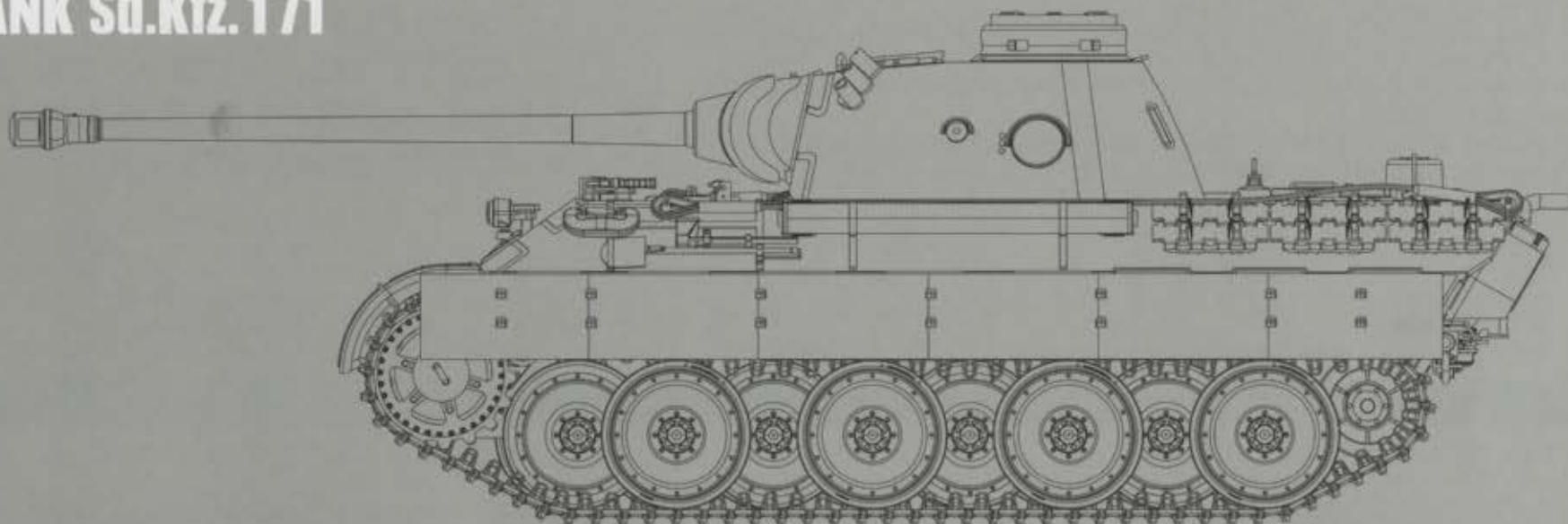
  
**TAKOM**

# PANTHER Ausf.D

GERMAN TANK Sd.Kfz. 171

Early / Mid  
Production  
2in 1

w/Full Interior



When the German Panzer IV met the Russian T-34 in June 1941, they were humiliated by being outclassed by the T-34, so a group of weapons specialists were sent to the Russian front to analyze the T-34's design. With these results, Daimler-Benz (DB) and Maschinenfabrik Augsburg (MAN) were both tasked with providing designs for a 30-ton medium tank by April 1942. The MAN design was accepted in May 1942, mainly because it was able to use an existing turret designed by Rheinmetall-Borsig, saving valuable time needed to design a new turret required with the DB design.

The Panther design adapted many of its successful design characteristics from the T-34. These were mainly the sloped armor, and the wide tracks (to make maneuvering in snow conditions of the Eastern front easier). In September 1942 the first prototype was tested and immediately pressed into service. Despite delays in production due to the lack of manufacturing equipment of the hull, the first rushed deliveries to the German Army were completed in December, but the tank was plagued by technical problems. Despite these early issues, the tank was very successful, and due to its high demand on the Eastern Front, the original production of 250 tanks per month at the MAN plant, was increased to 600 tanks per month in January in 1943, which resulted in production also being allocated to the Daimler-Benz, Maschinenfabrik Niedersachsen-Hannover (MNH), and the Henschel & Sohn plants to meet production quotas. Due to Allied bombing throughout the war, the required production amount was never met and only 6,000 in total were built.

The 700hp Maybach V-12 petrol engine with its seven-speed AK 7-200 synchromesh gearbox designed by ZF, was fitted with a governor in late 1943 to minimize engine failures by limiting the engine revolutions to 2500 rpm and reducing its power to 600 hp. This reduced the Panthers top speed from 55 km/h to 46 km/h. The Panther had a five-man crew: the driver, radio operator, gunner, loader, and commander.

The Panther was armed with a semi-automatic 75mm Rheinmetall-Borsig KwK 42 main gun, and could carry 79 rounds of three different types of ammunition: Armour-Piercing Capped Ballistic Capped, (APCBC), High-Explosive (HE) and Armour-Piercing Composite Rigid (APCR). The 75mm cannon on the Panther was one of the most powerful cannons of WWII, and had even greater success at piercing enemy armour than the Tiger I's 88mm cannon. The Panther was also equipped with two 7.92mm Maschinengewehr 34 (MG-34) for close quarter fighting; one was mounted coaxially with the main cannon and the second was mounted in the front sloping armour and operated by the radio operator. In later production upgrades, a mount was attached to the commander's cupola so a third MG-34 could be mounted for anti-aircraft purposes.

The frontal armor of the Panther consisted of 80mm homogeneous steel plate sloped back at 55 degrees from the vertical, interlocked & welded for strength. This made the Panther's frontal armor less penetrable to Allied and Soviet tanks. The front of the turret was covered by a 100mm cast mantlet in the shape of a semi-circle, with a curved shape meant to deflect incoming shells. To keep weight down, sacrifice was made to its side armor, which was on average 40mm to 50mm thick, leaving the Panther vulnerable to attacks from the sides by Allied and Soviet tank and anti-tank guns.

# 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.



Optional



Remove



Do Not Cement



Drill



Fill Holes



Instant Glue for Metal

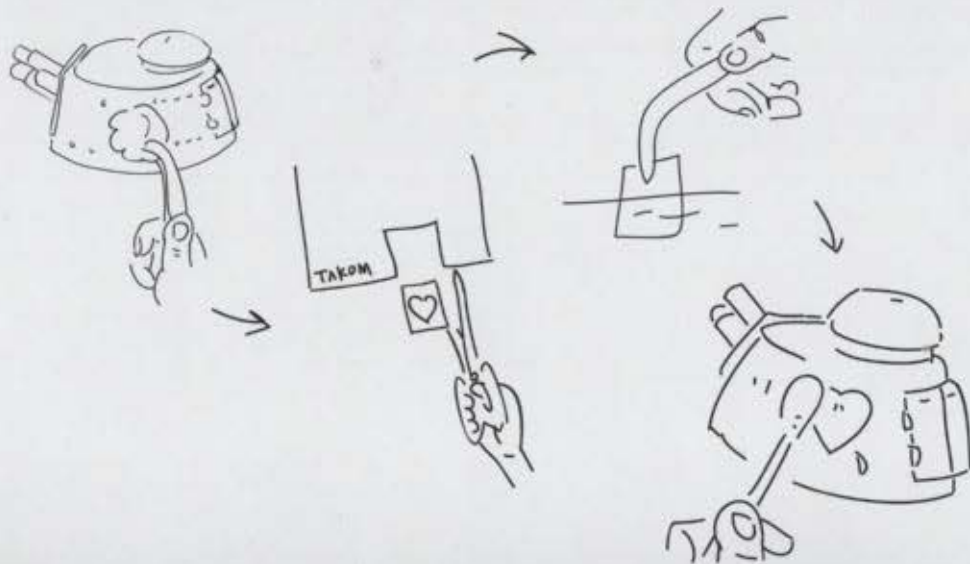
## PAINTS REQUIRED

Color info and profiles by Mig Jimenez

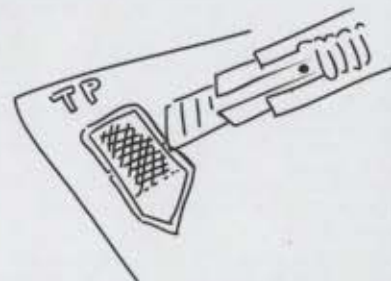
A.MIG 033 Rubber & Tires	A.MIG 035 Dark Tracks	A.MIG 038 Old Wood	A.MIG 039 Light Wood
A.MIG 040 Medium Rust	A.MIG 045 Gun Metal	A.MIG 053 Crystal Red	A.MIG 058 Crystal Periscope Green
A.MIG 060 Olivgrun Opt.2	A.MIG 070 Dunkelgelb Mid war	A.MIG 075 Schokobraun	

## 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.



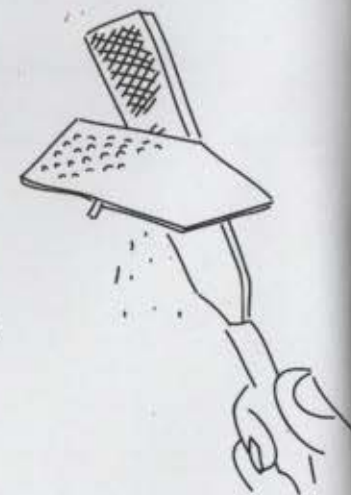
## REMOVING PE



Be careful not to hurt when removing PE parts.

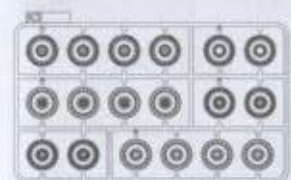


Secure using instant glue (not included).

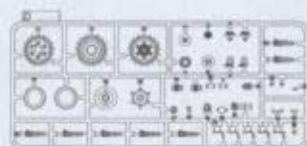
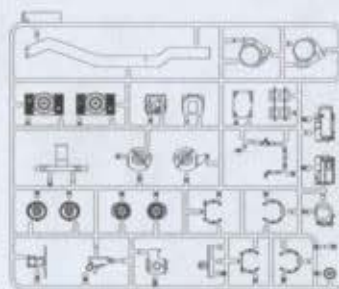
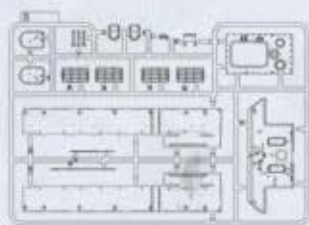


Finish using file.

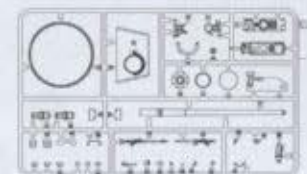
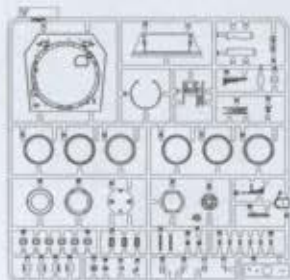
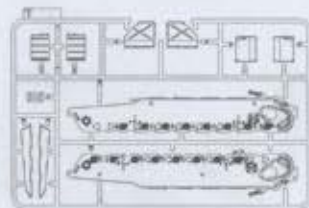
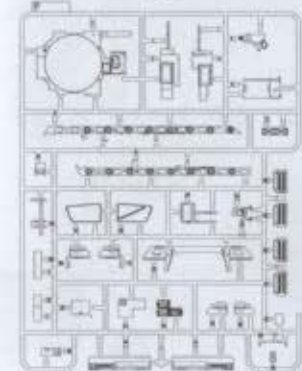
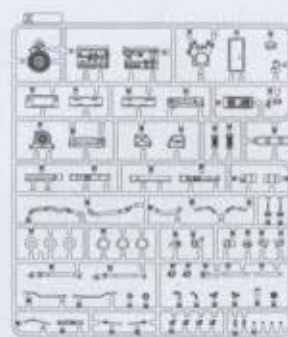
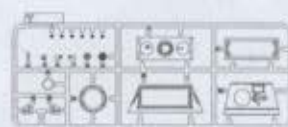
# PARTS



X2



X2



X2



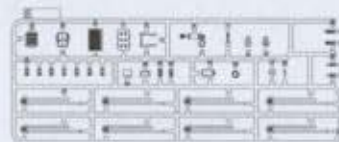
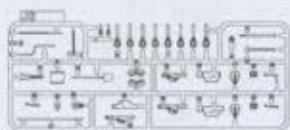
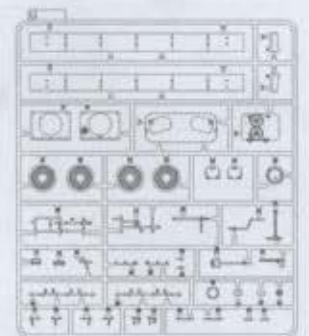
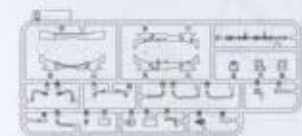
X2



Z2



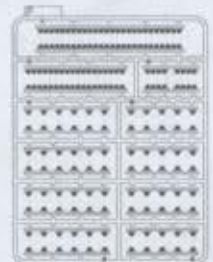
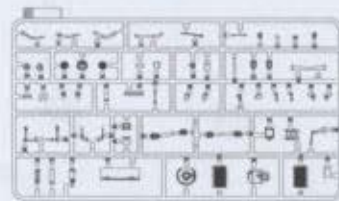
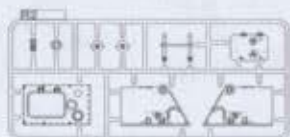
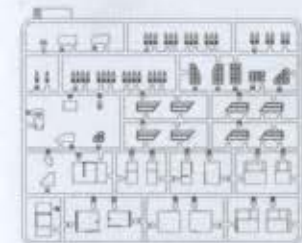
Z1



X2

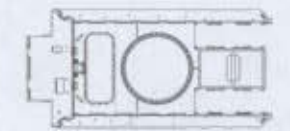
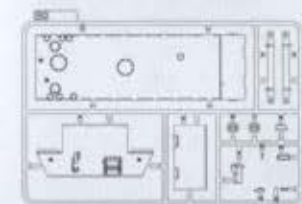


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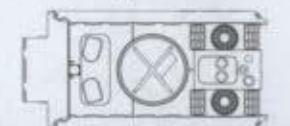
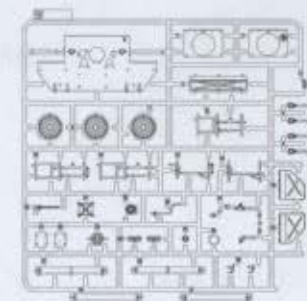


X2

Cable



Upper Hull



Transparent Upper Hull



Transparent Turret



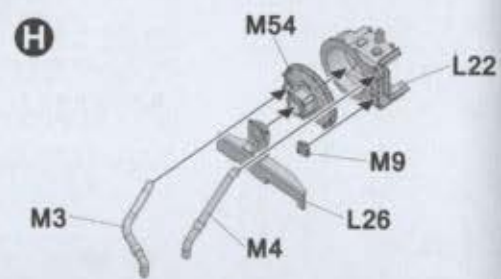
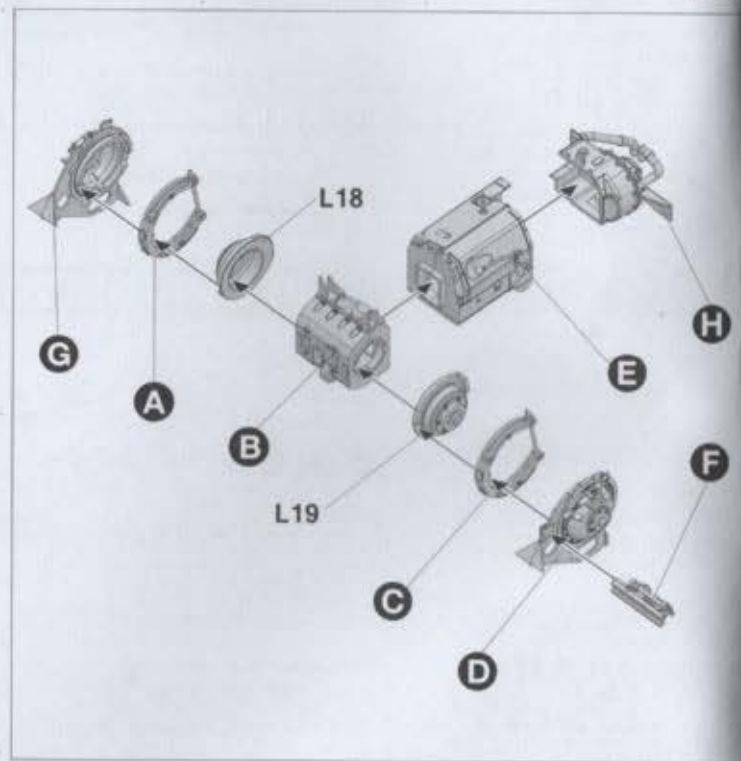
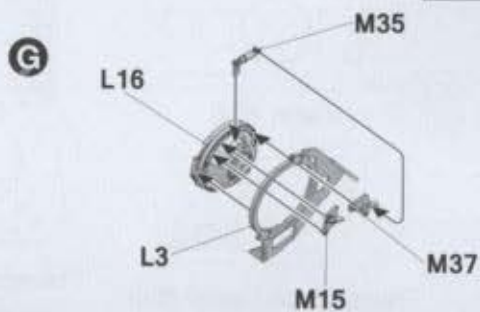
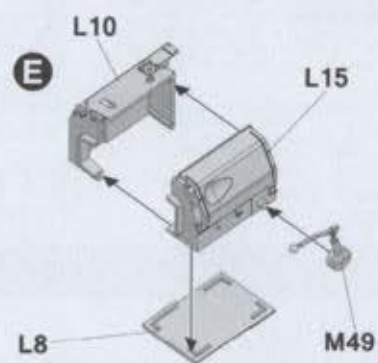
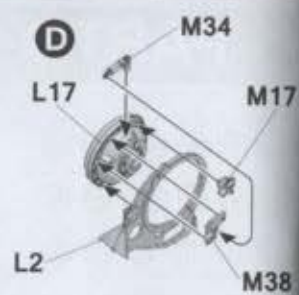
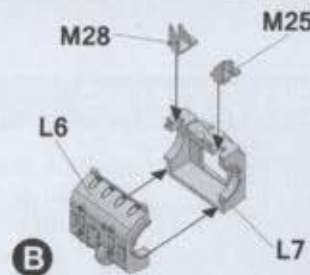
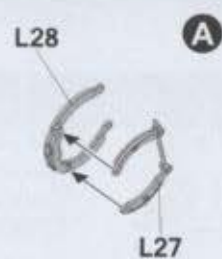
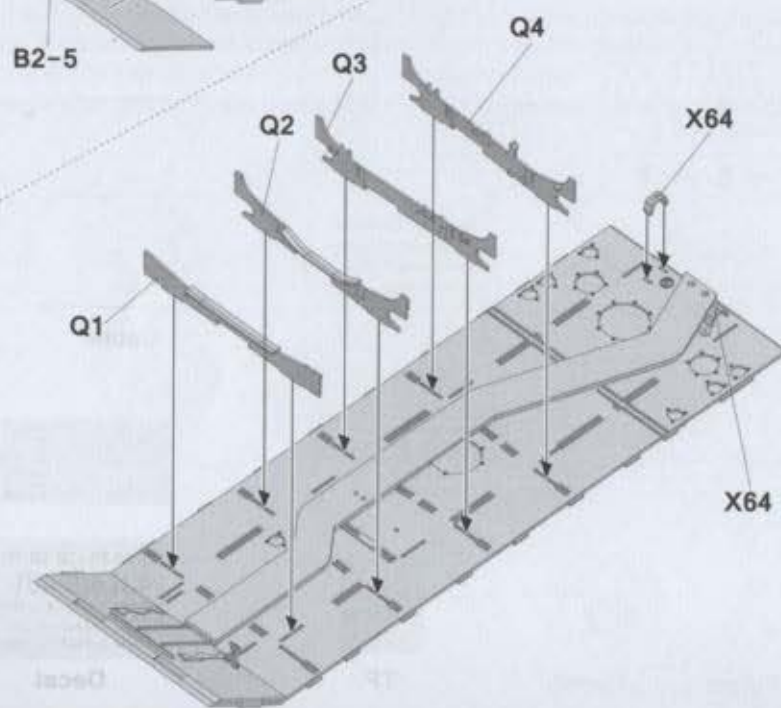
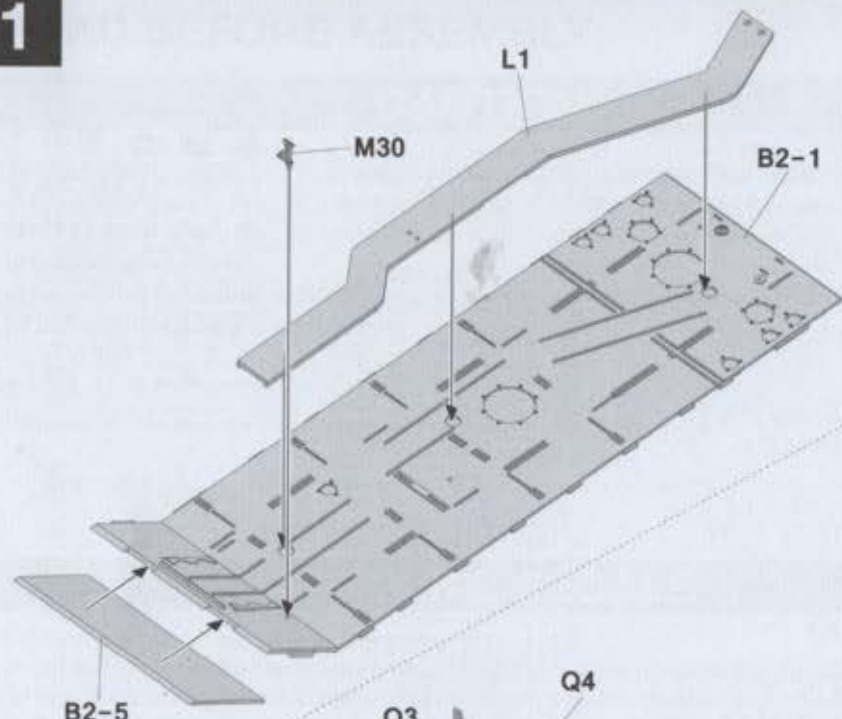
Turret

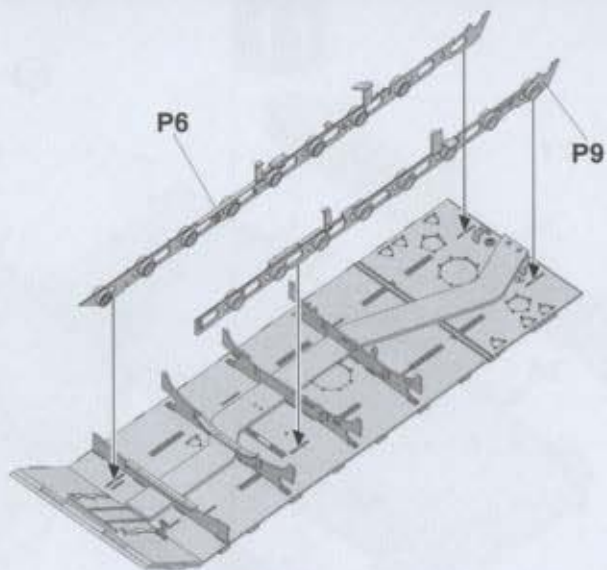
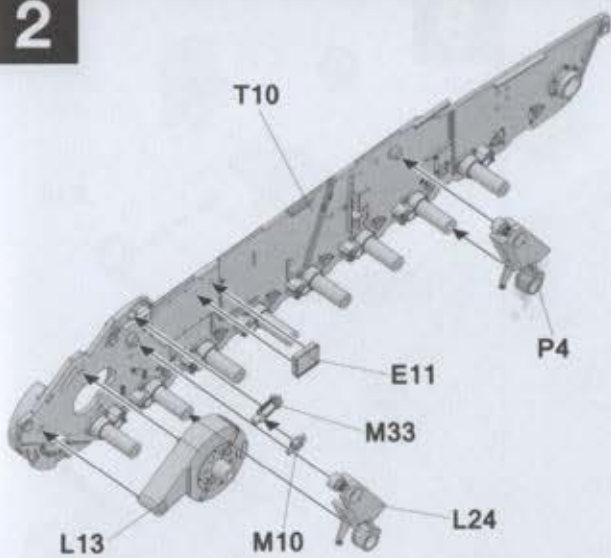
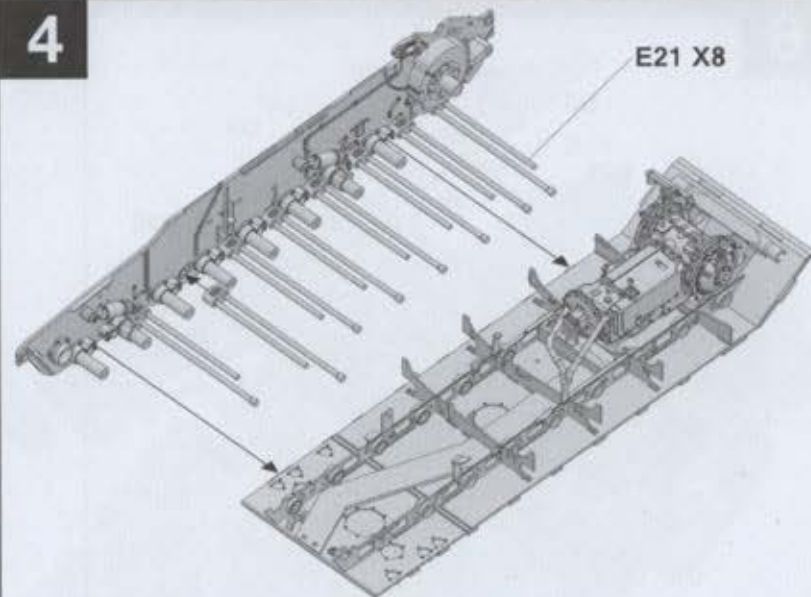
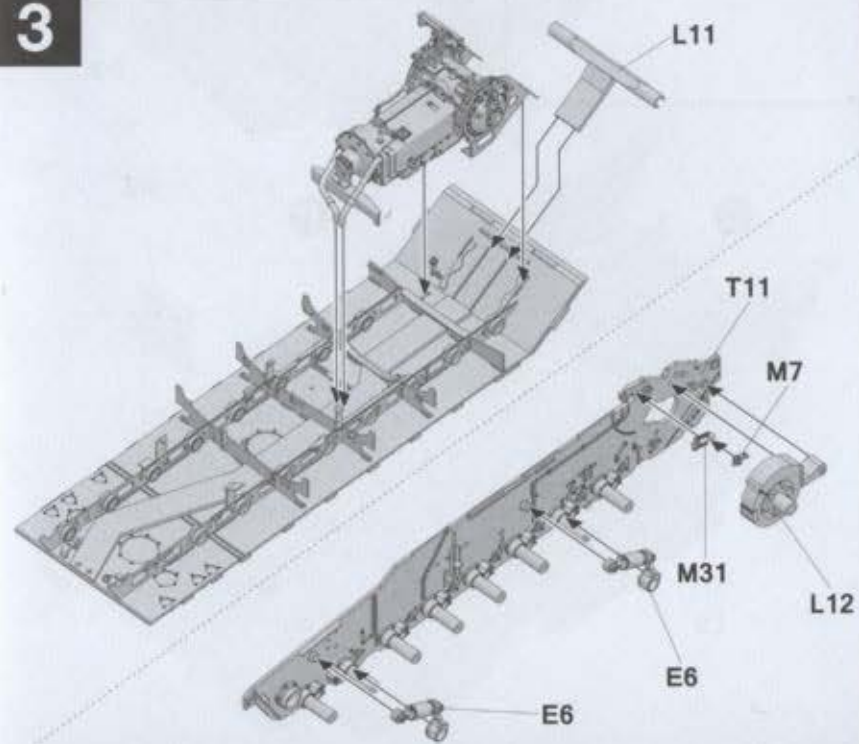
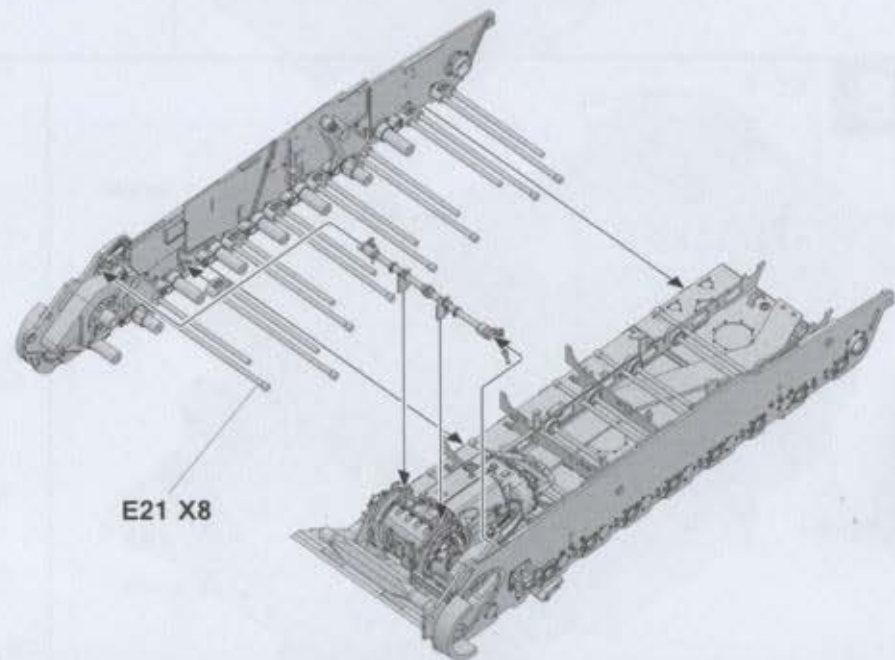
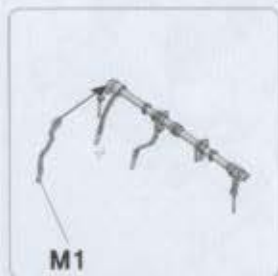
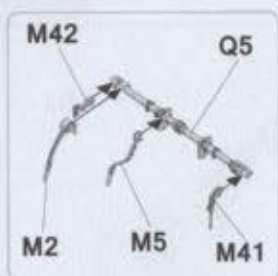


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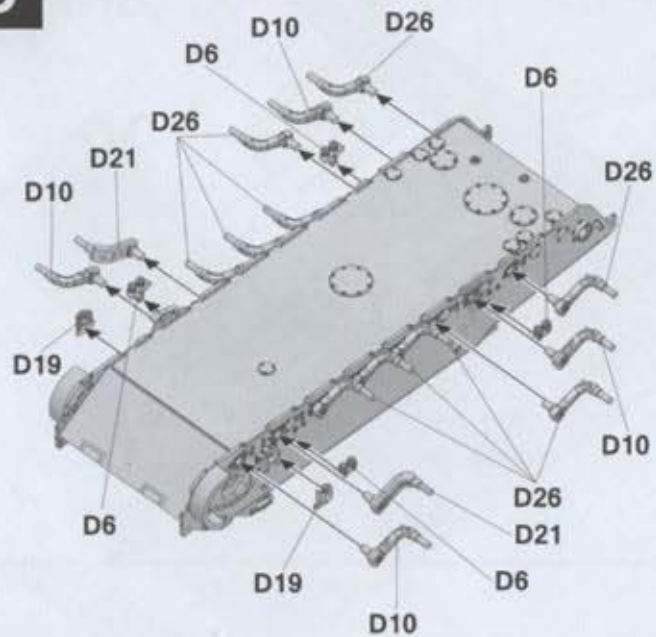


Decal

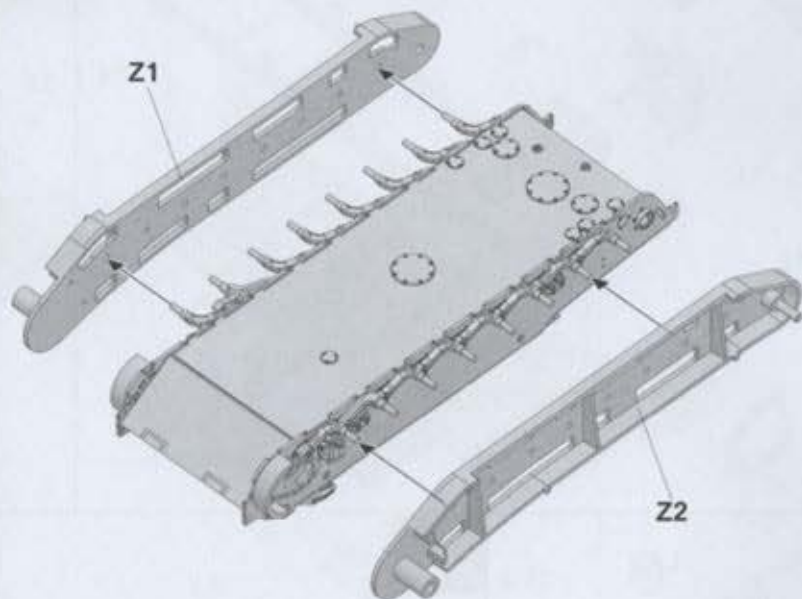


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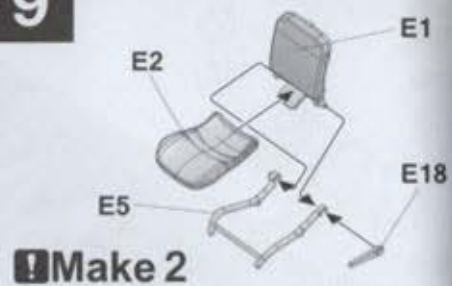
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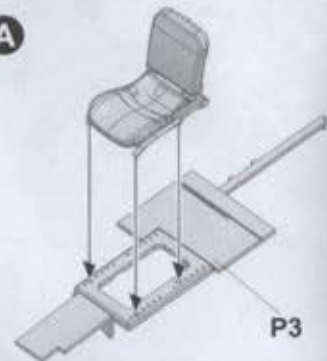
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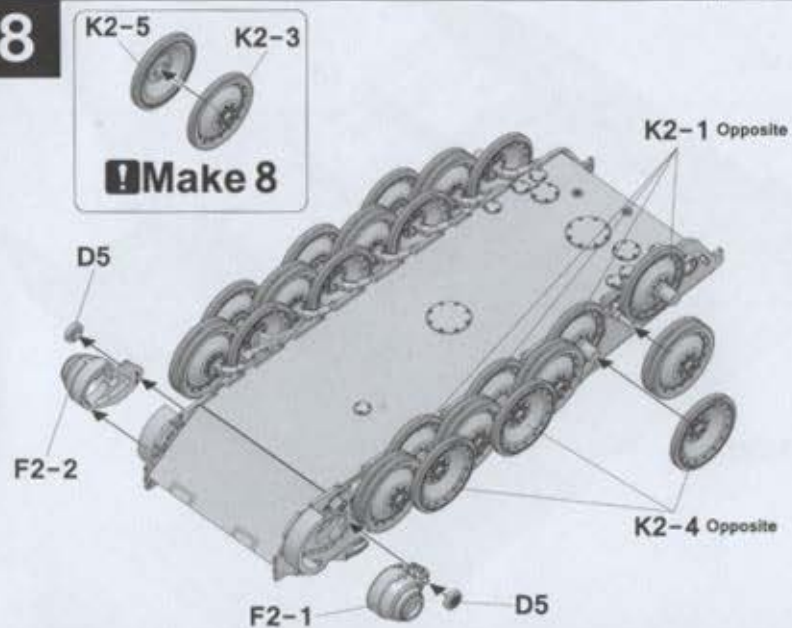
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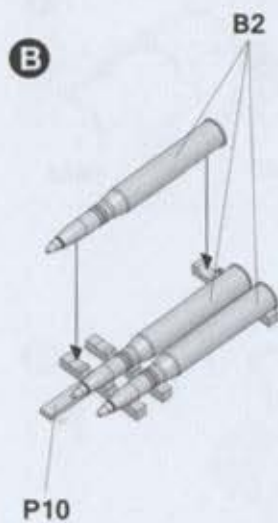
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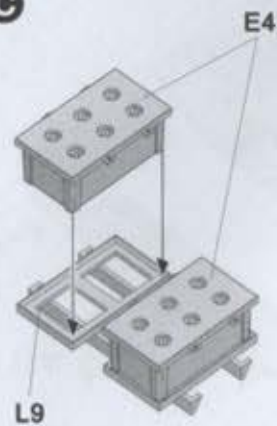
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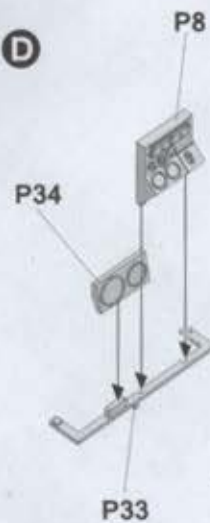
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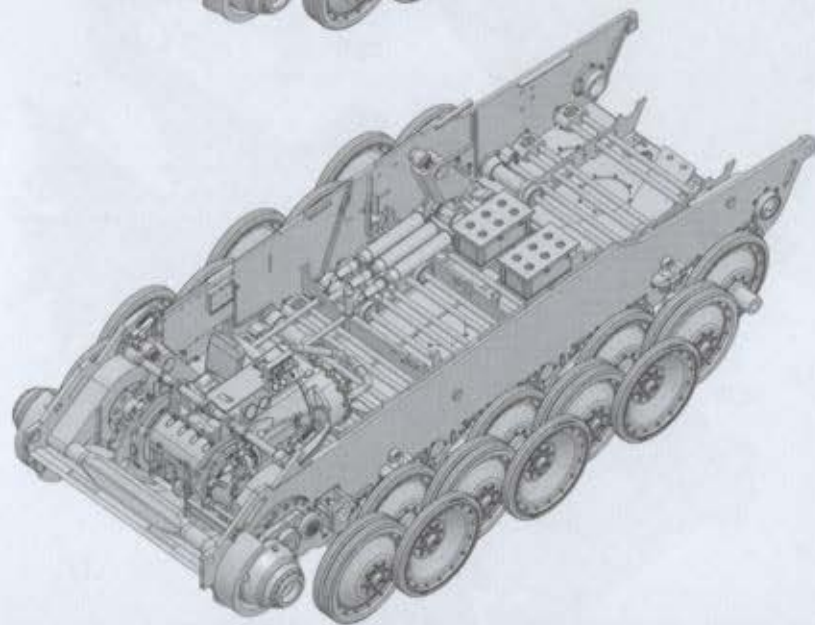
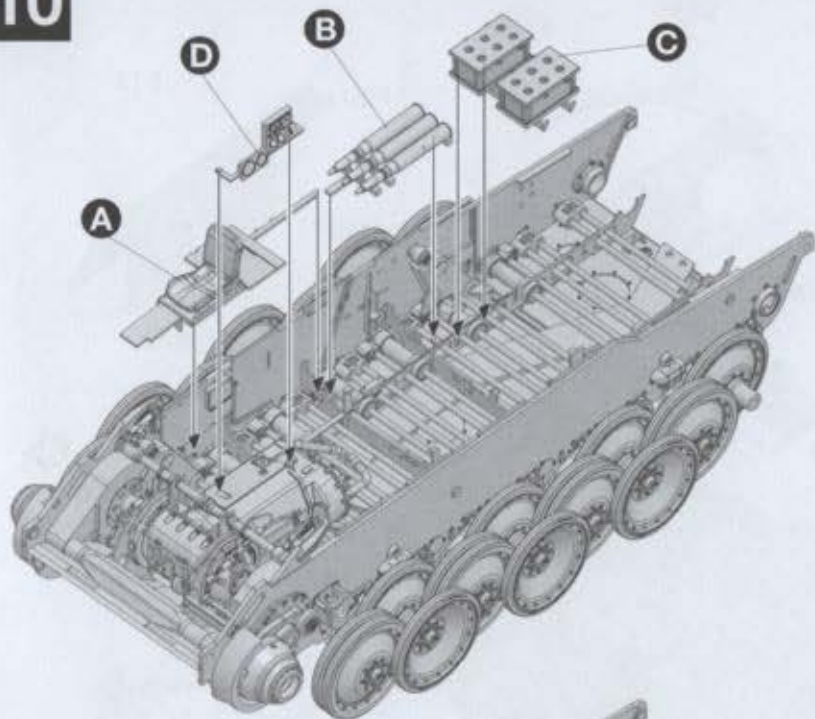
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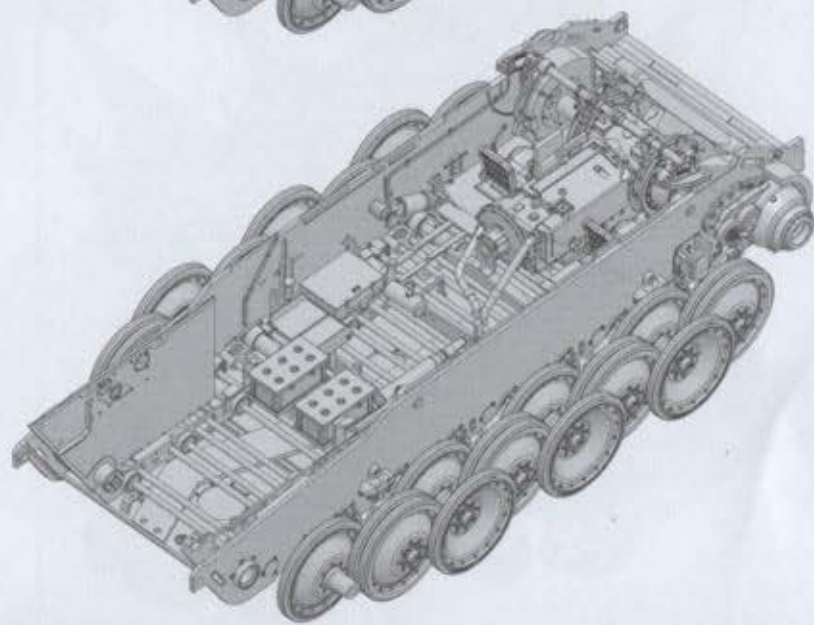
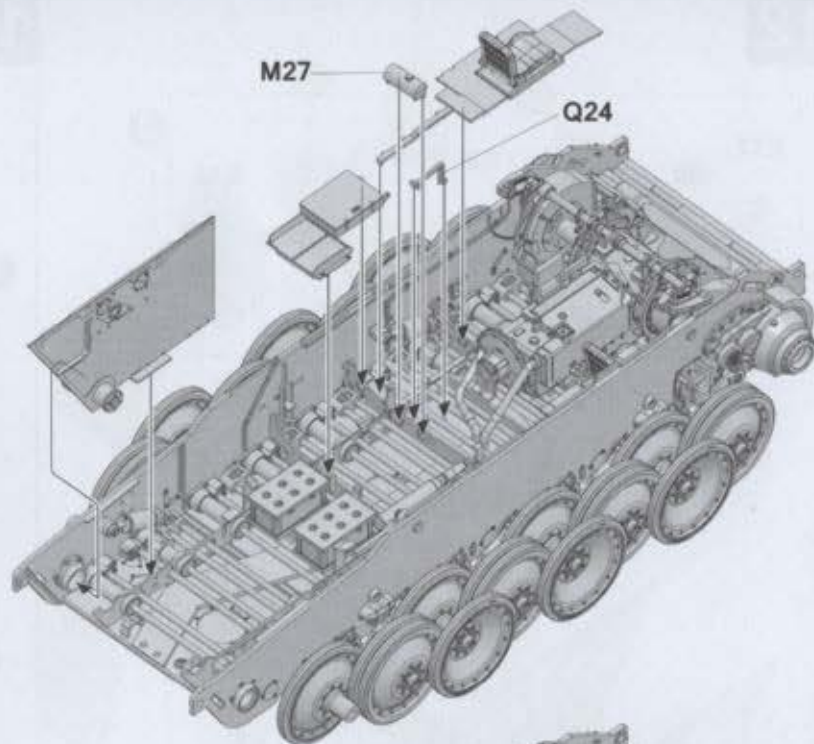
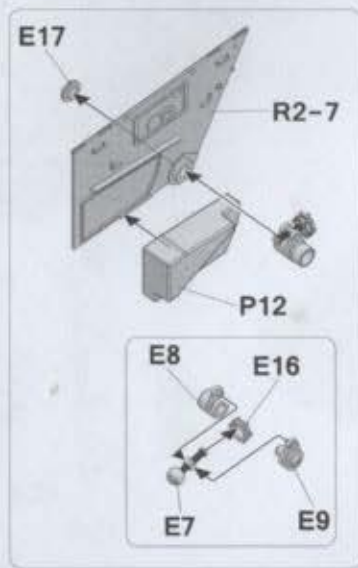
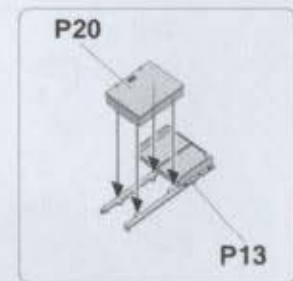
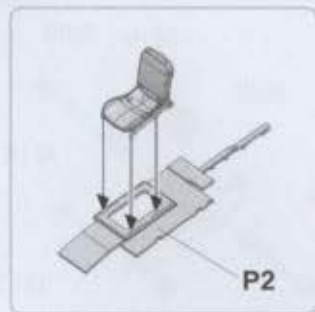
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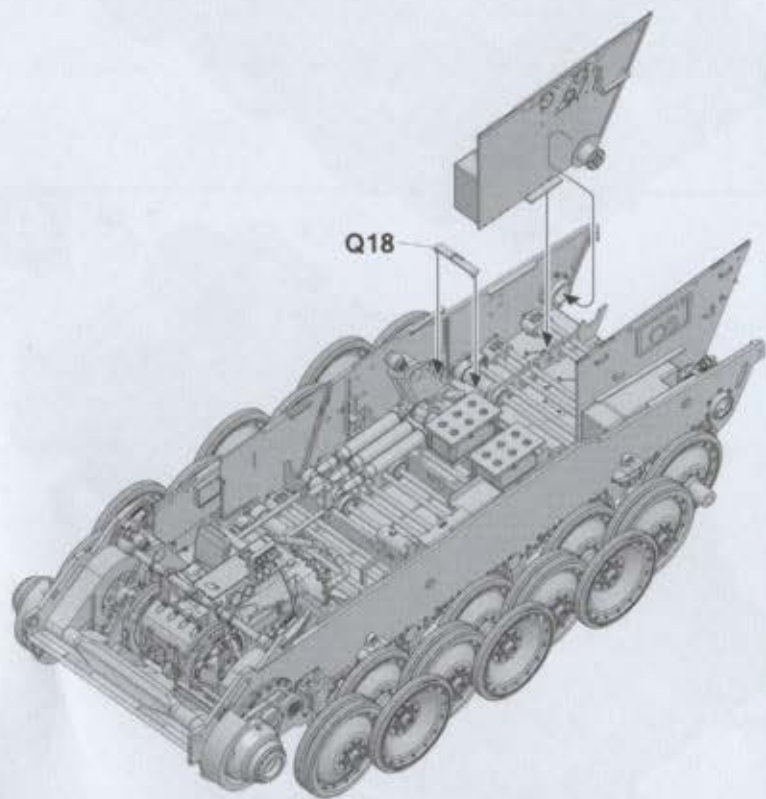
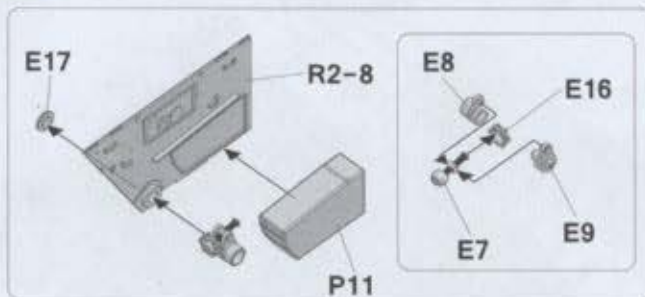


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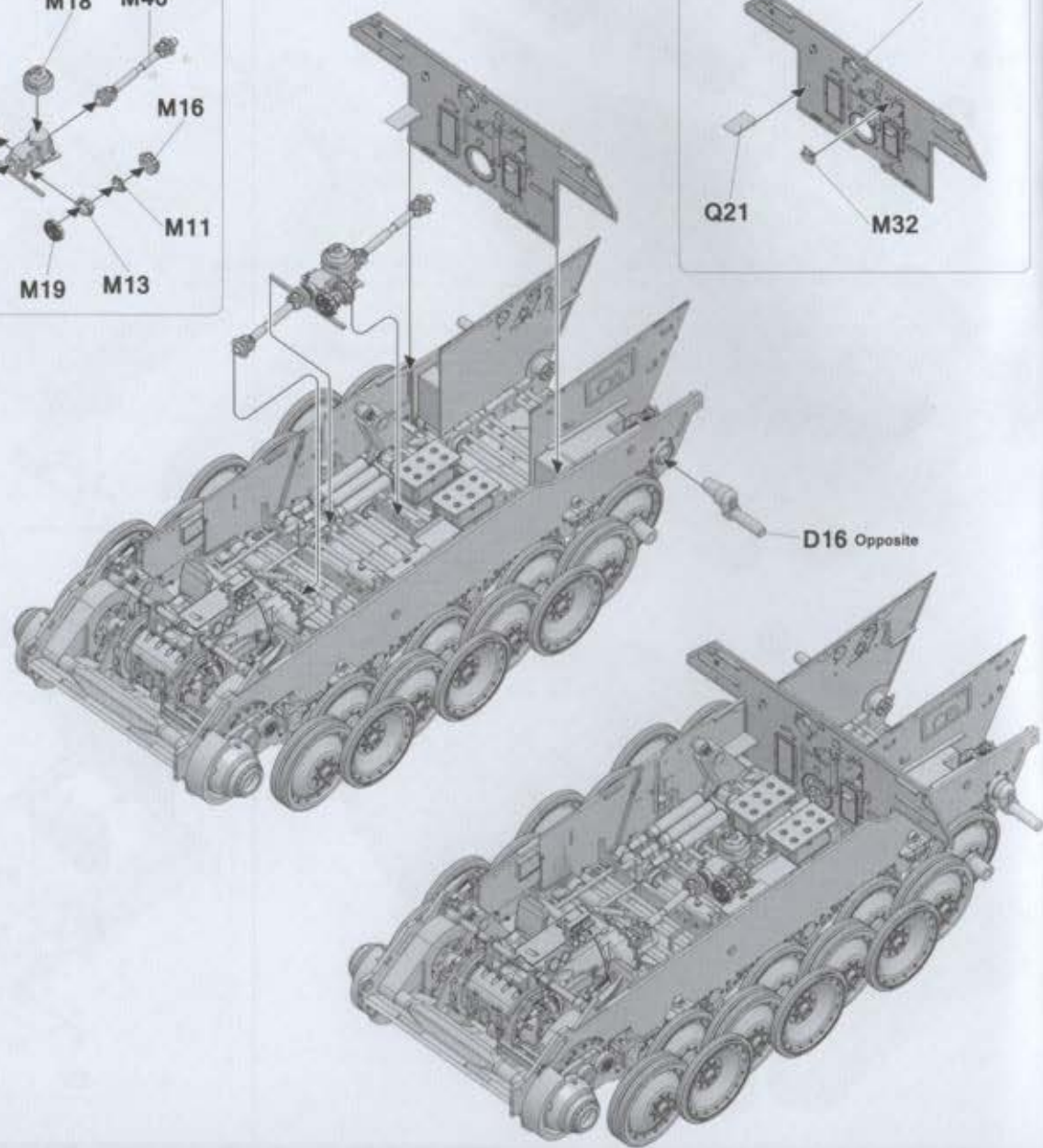
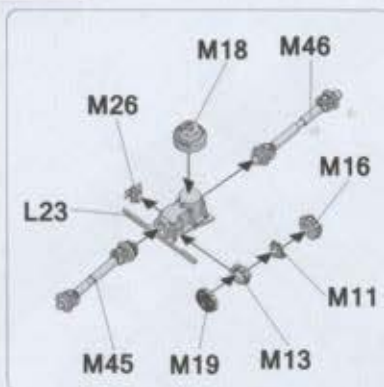


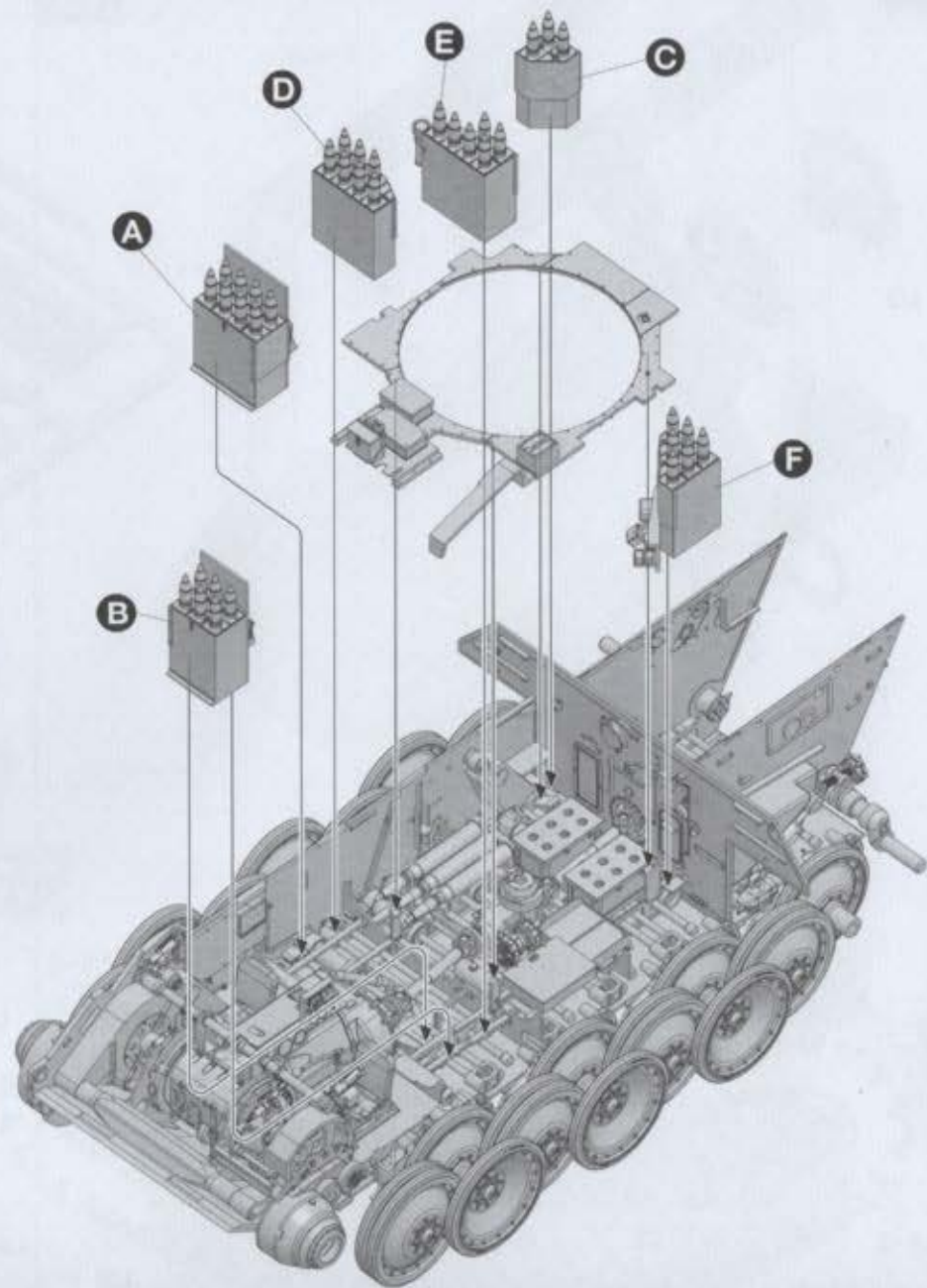
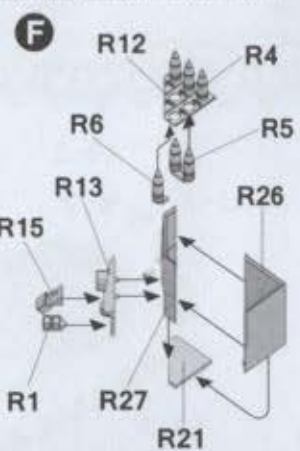
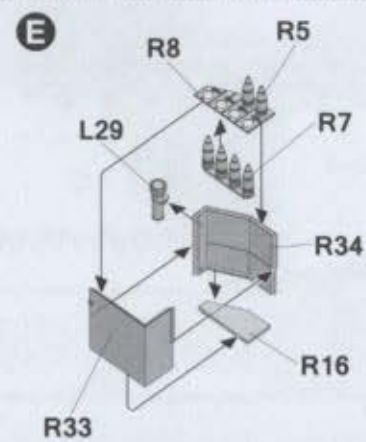
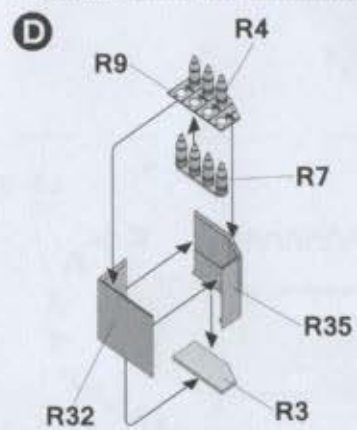
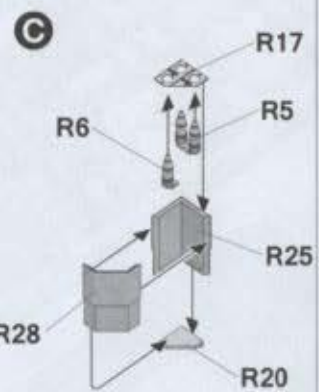
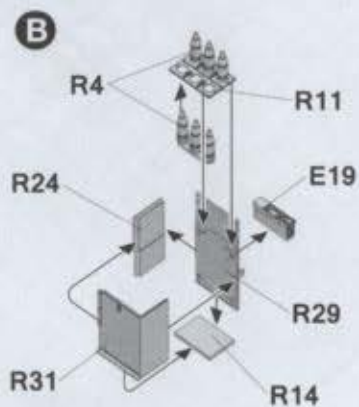
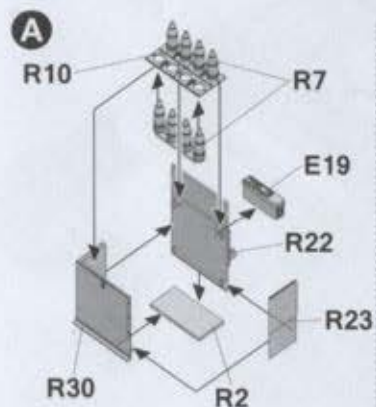
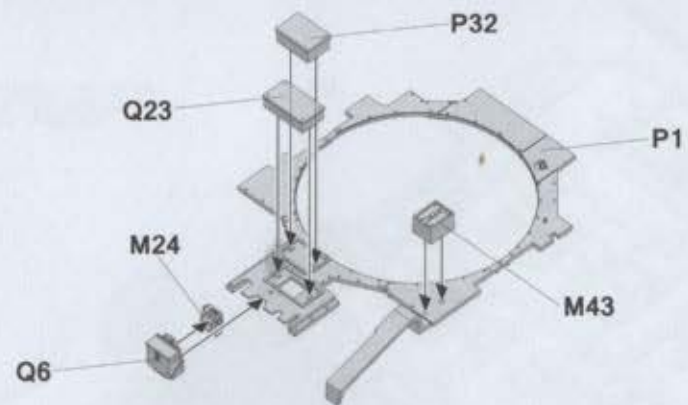


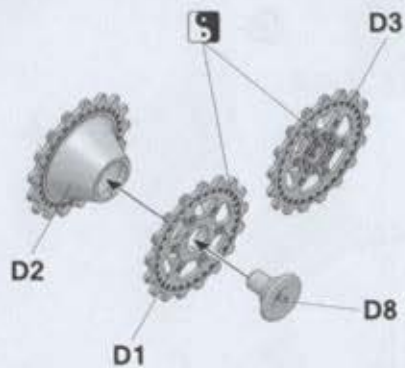
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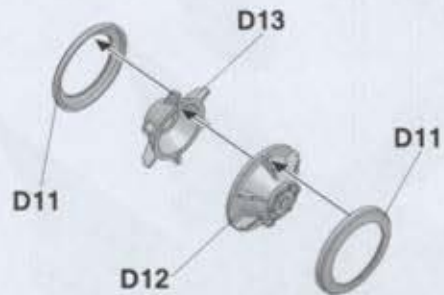
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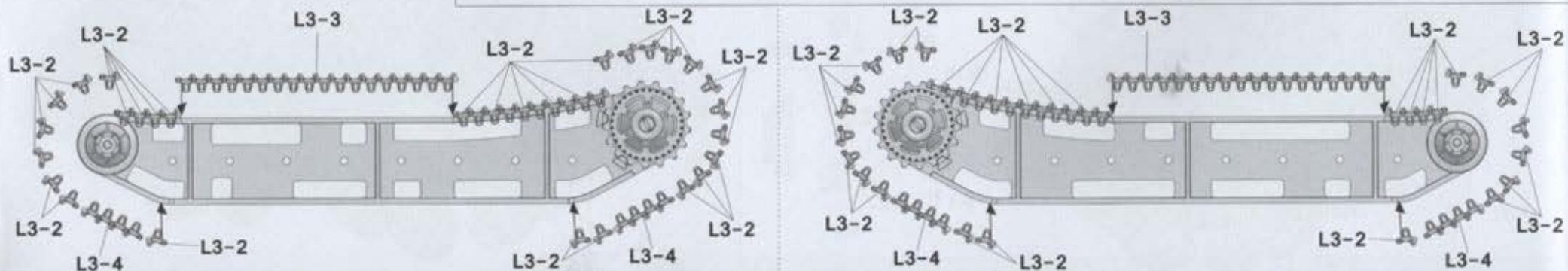
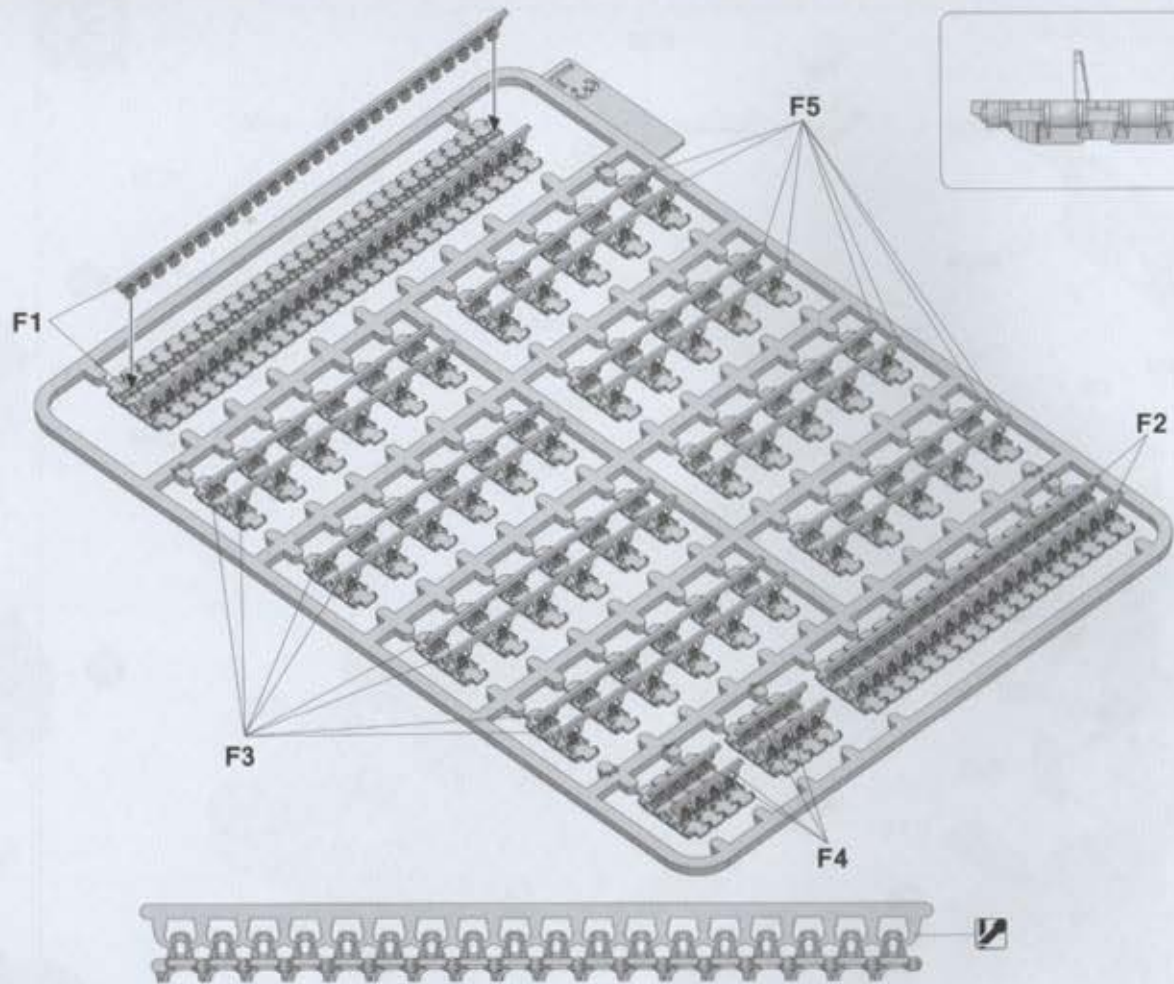


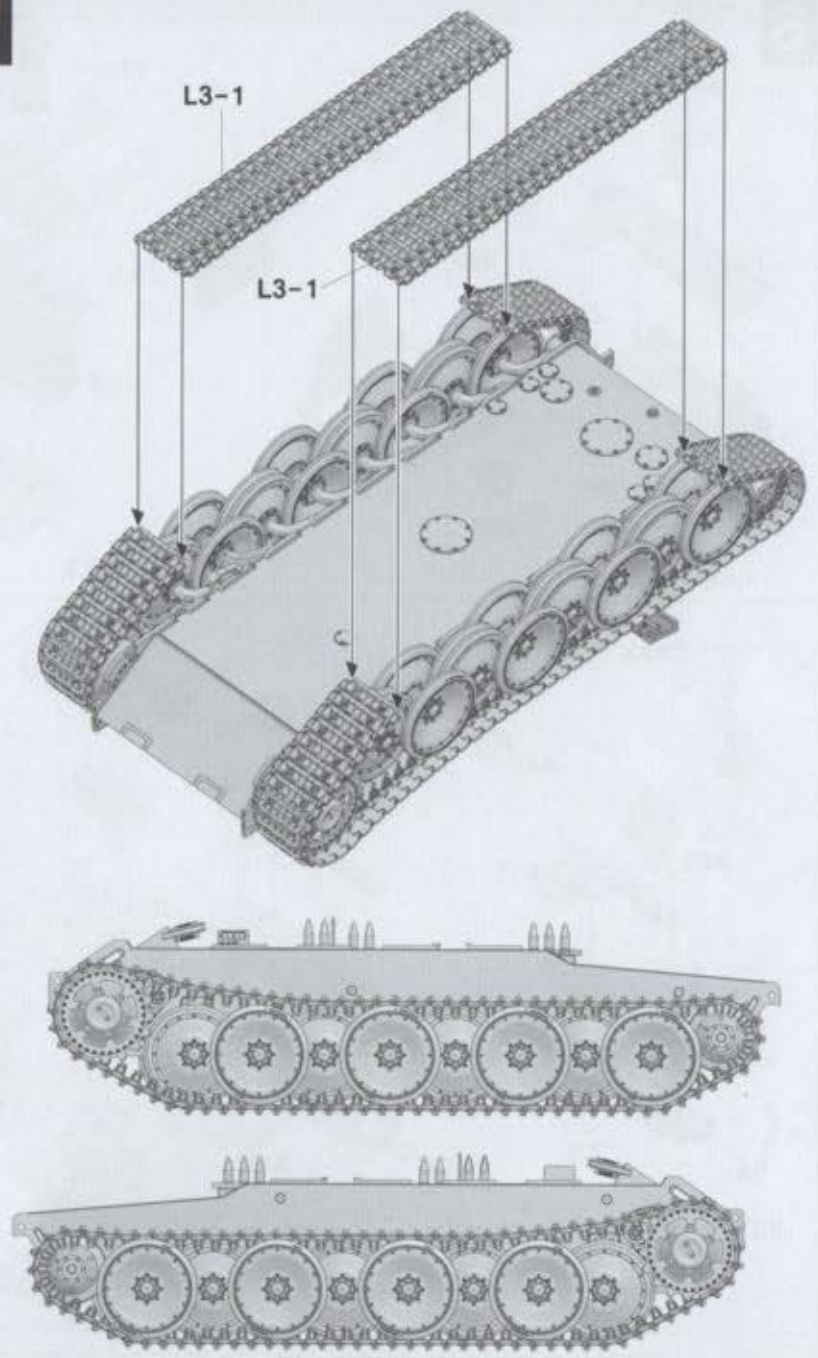
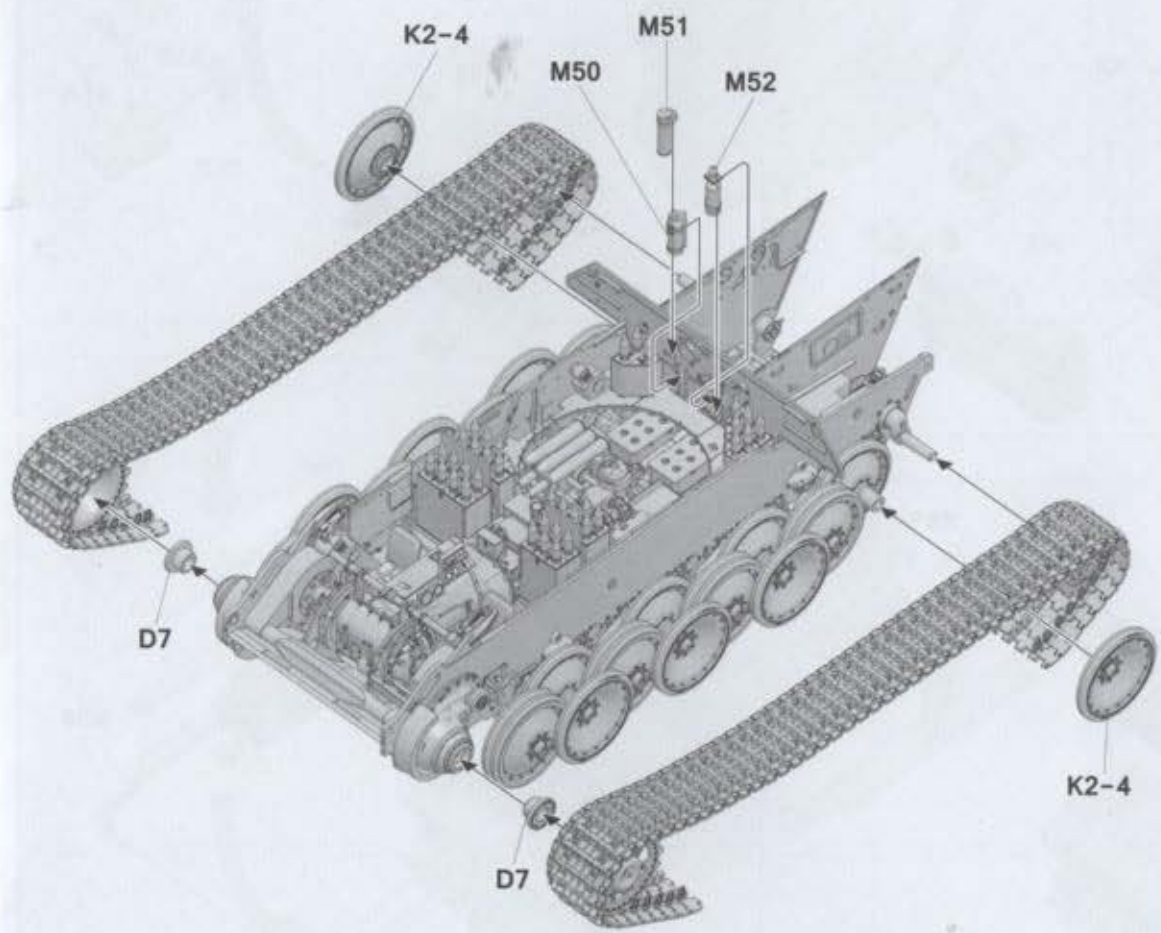


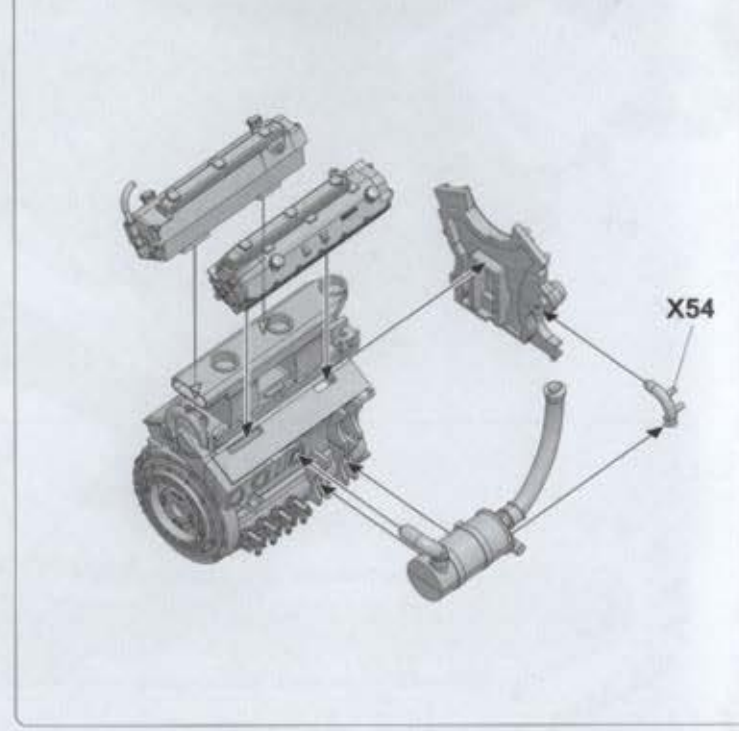
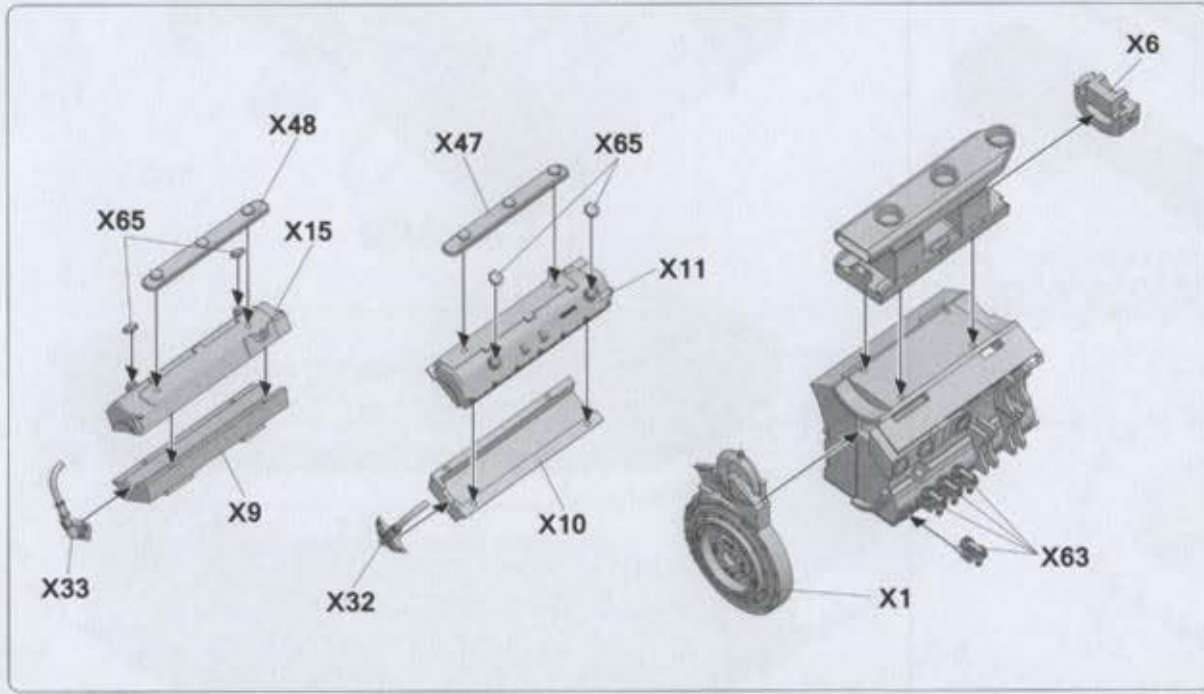
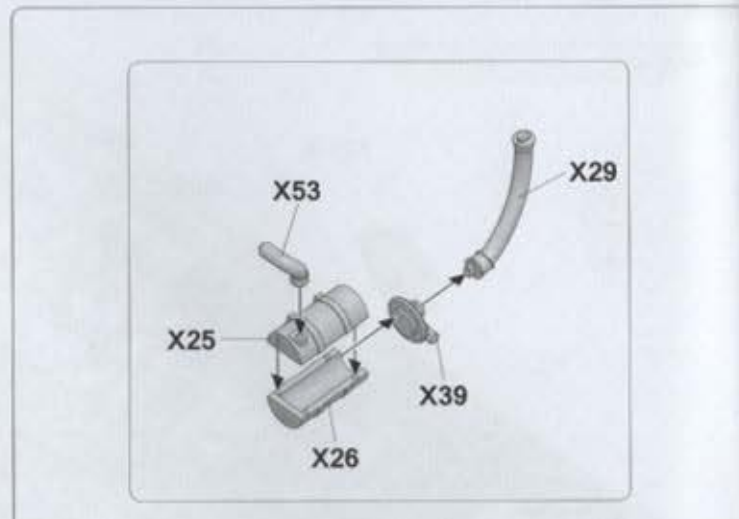
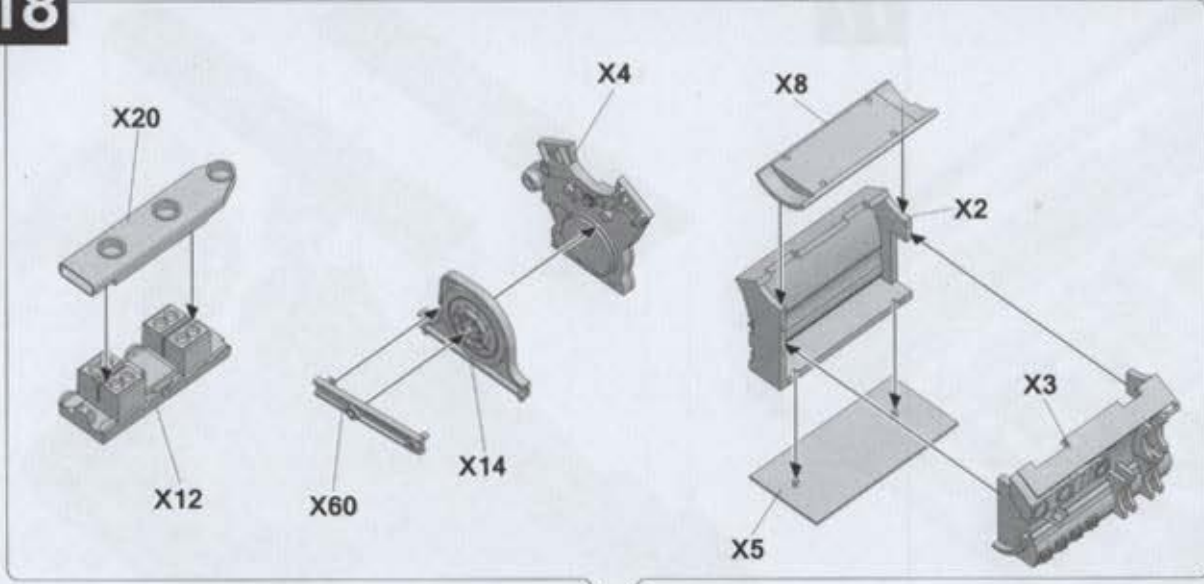
Make 2

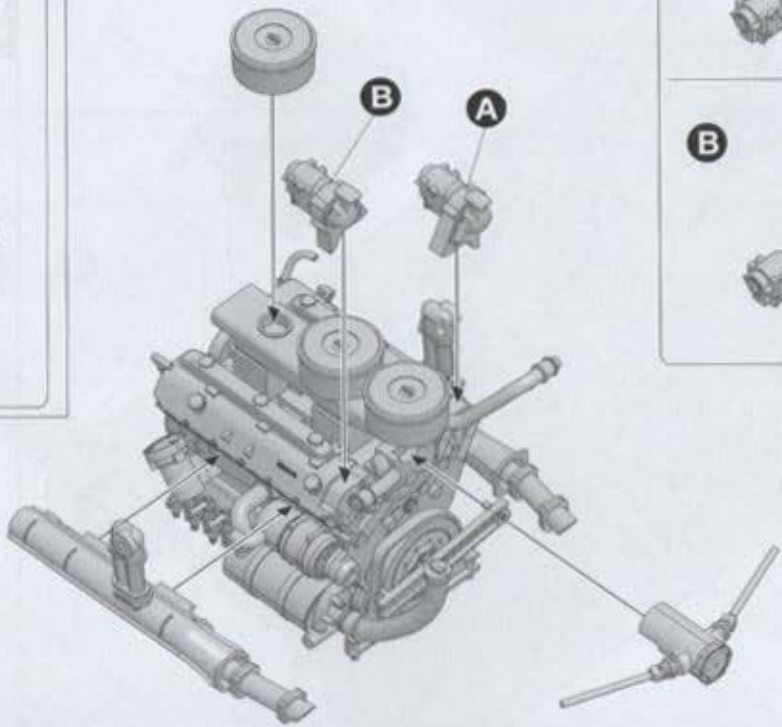
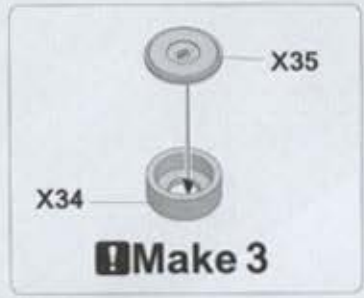
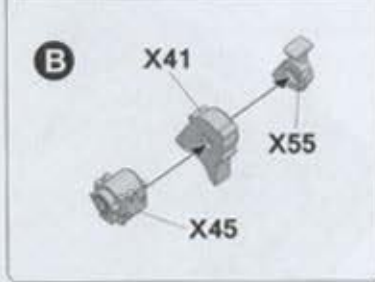
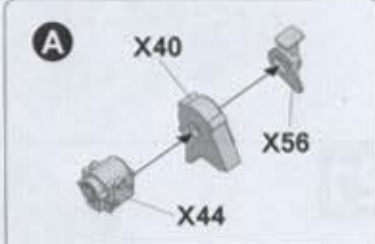
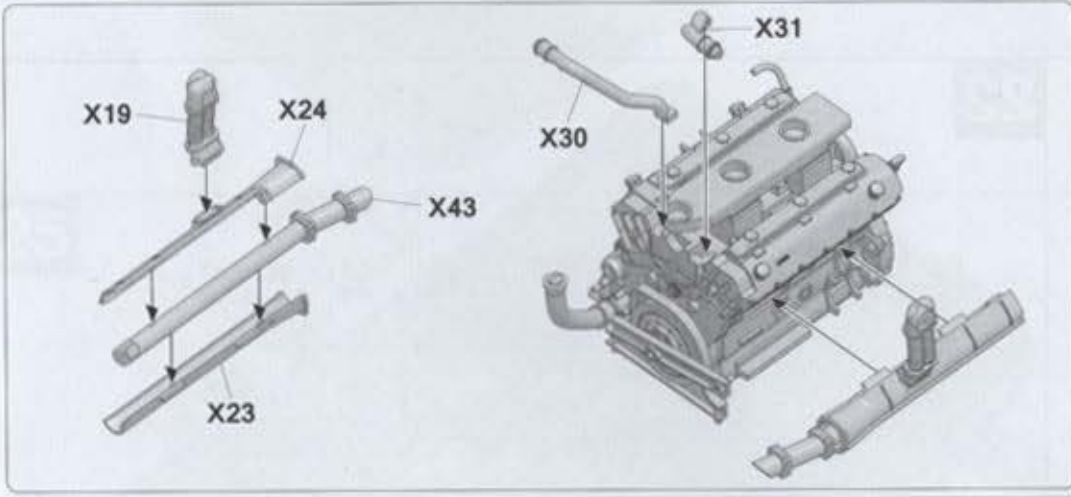
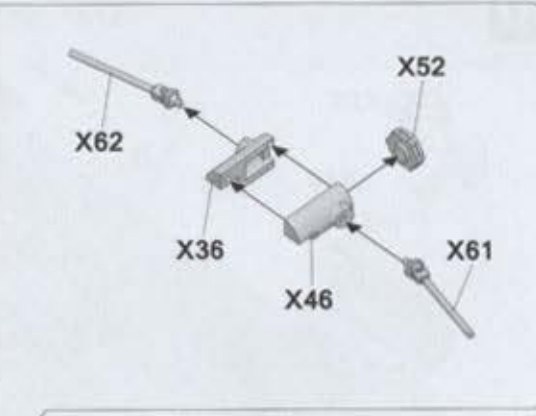
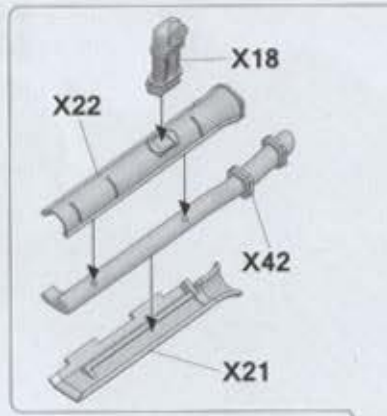
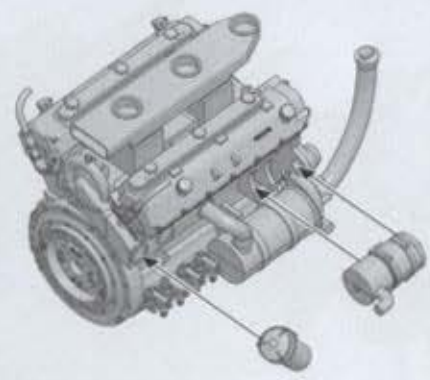
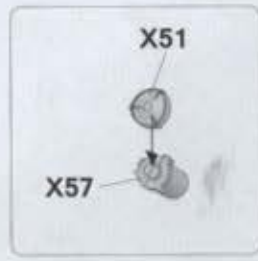
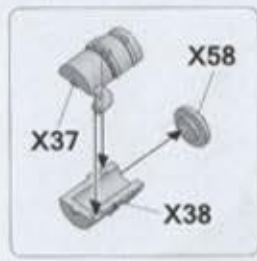


Make 2

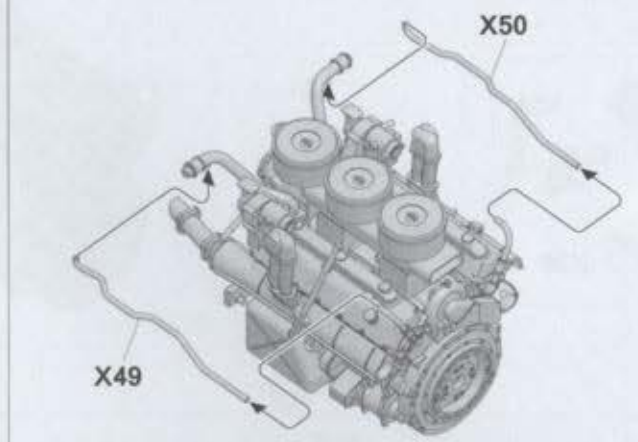
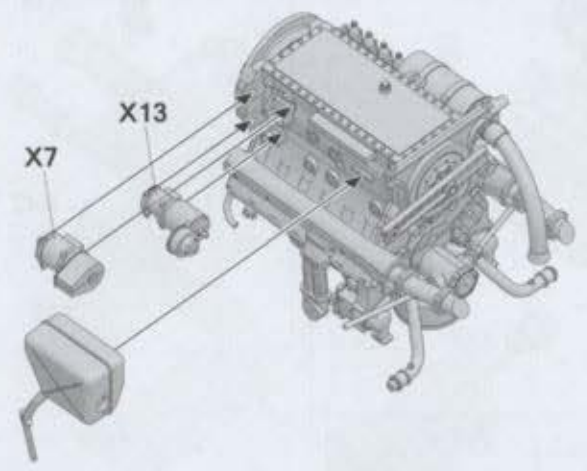
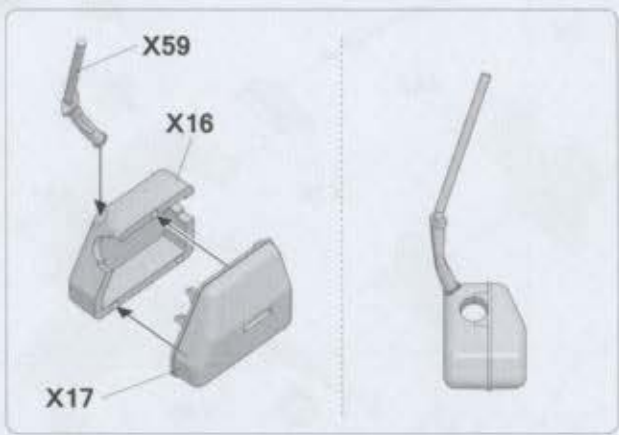




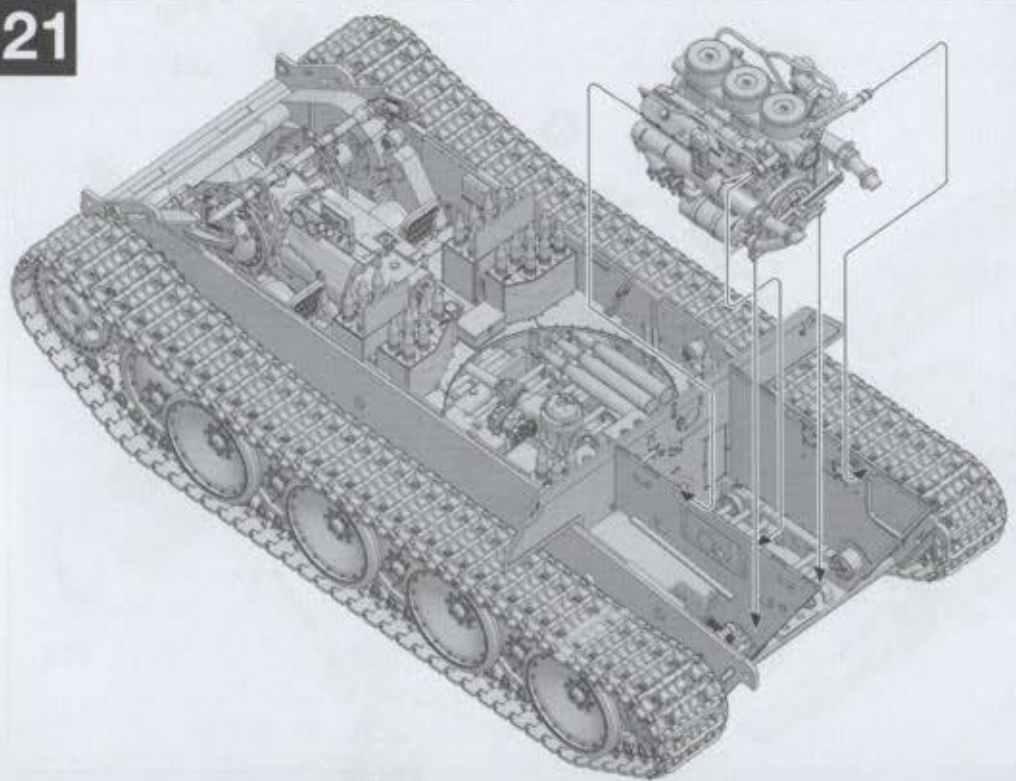




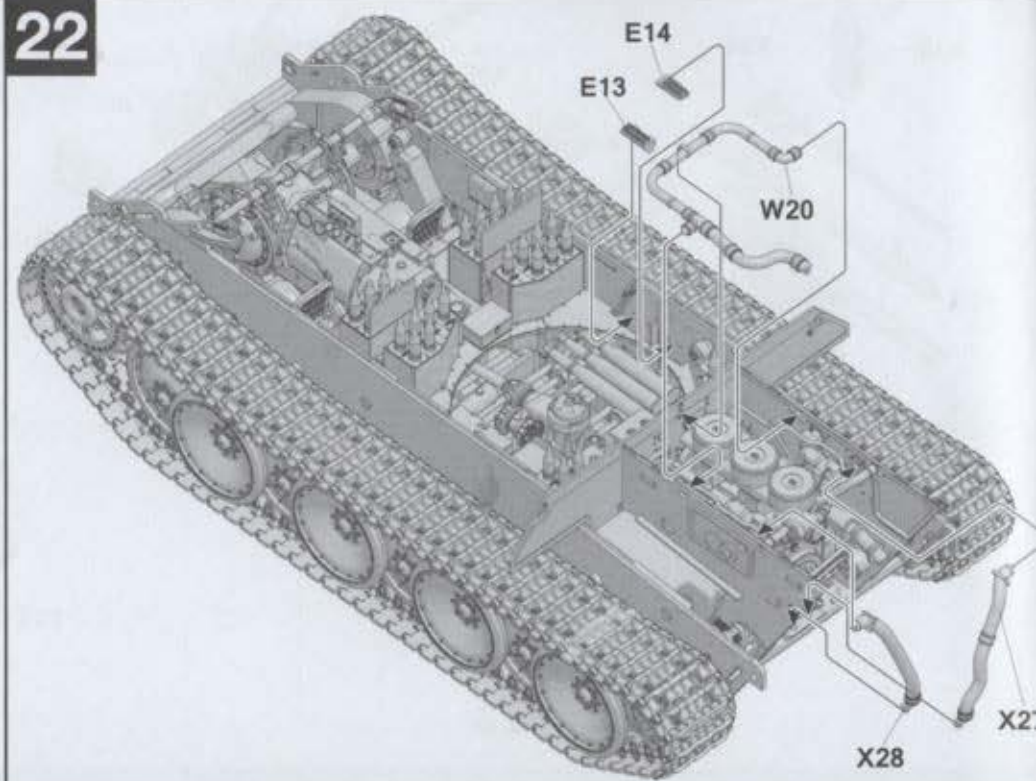
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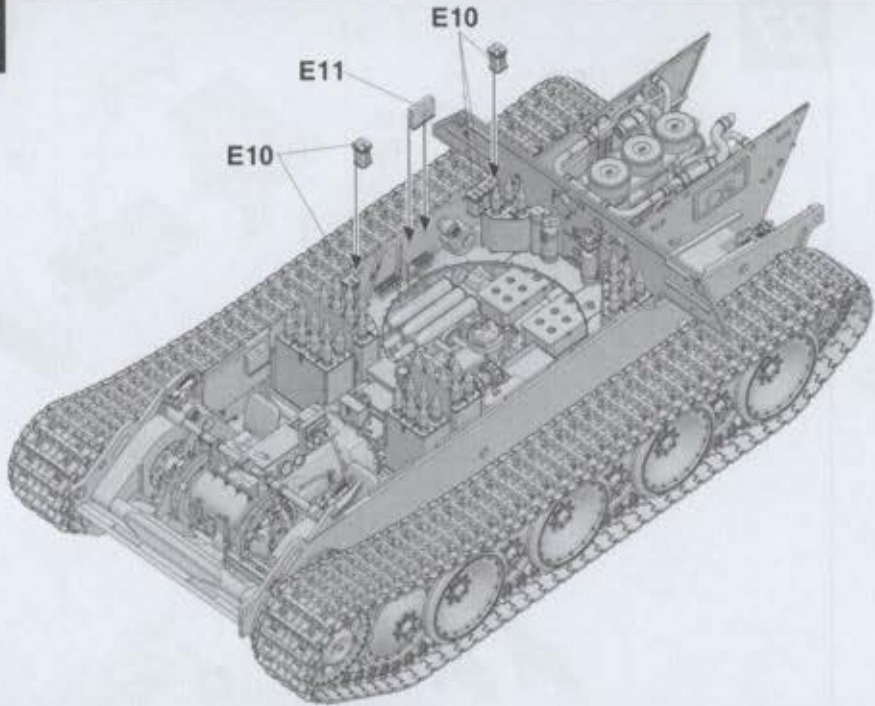
21



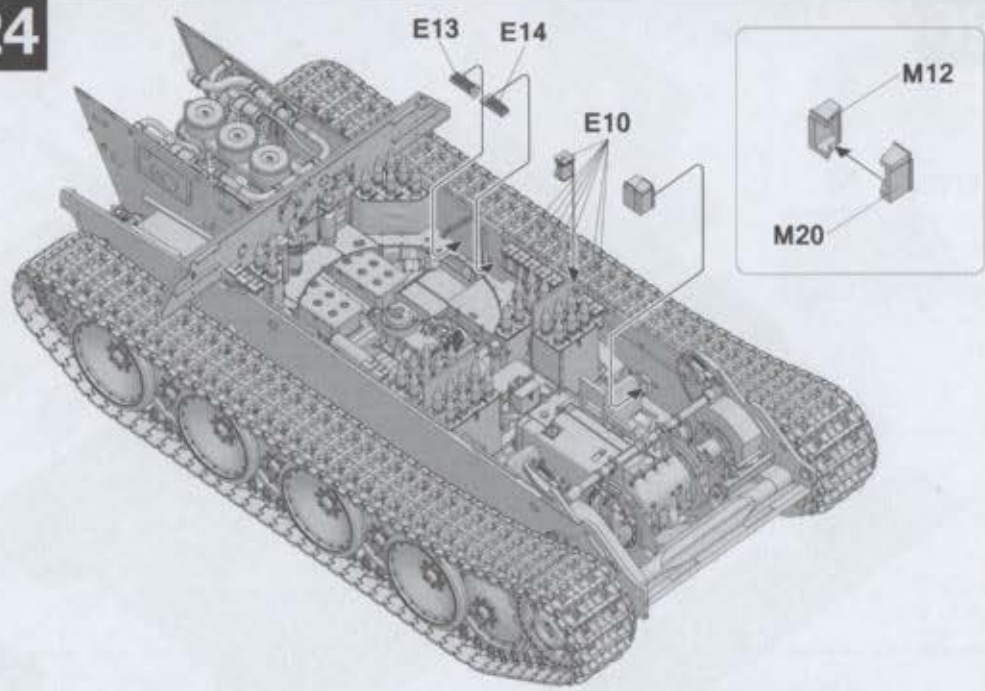
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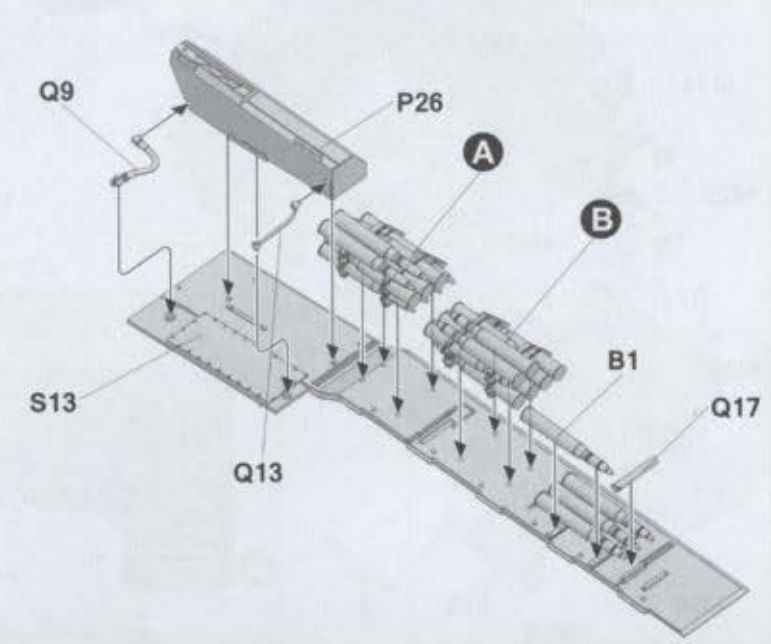
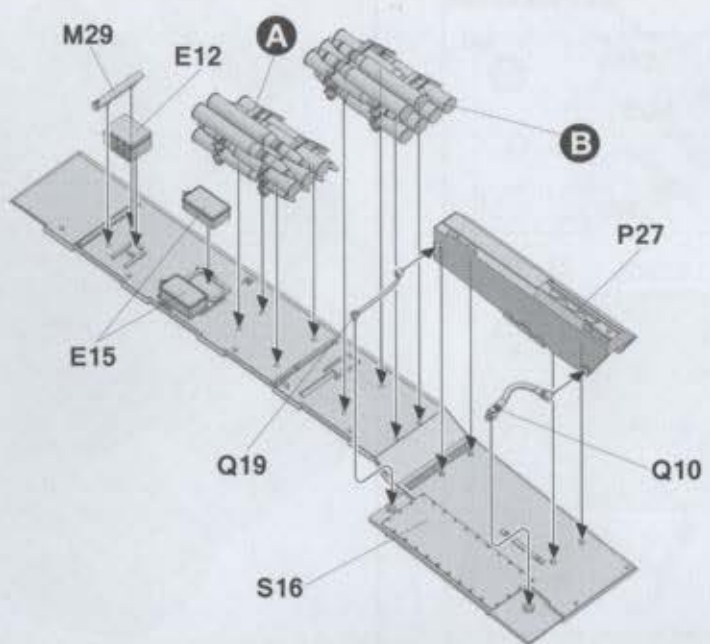
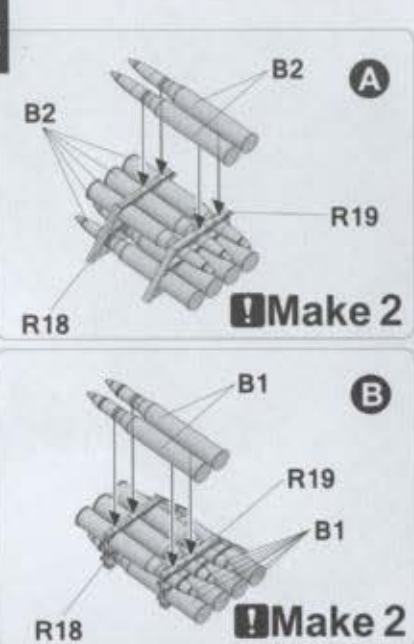
23



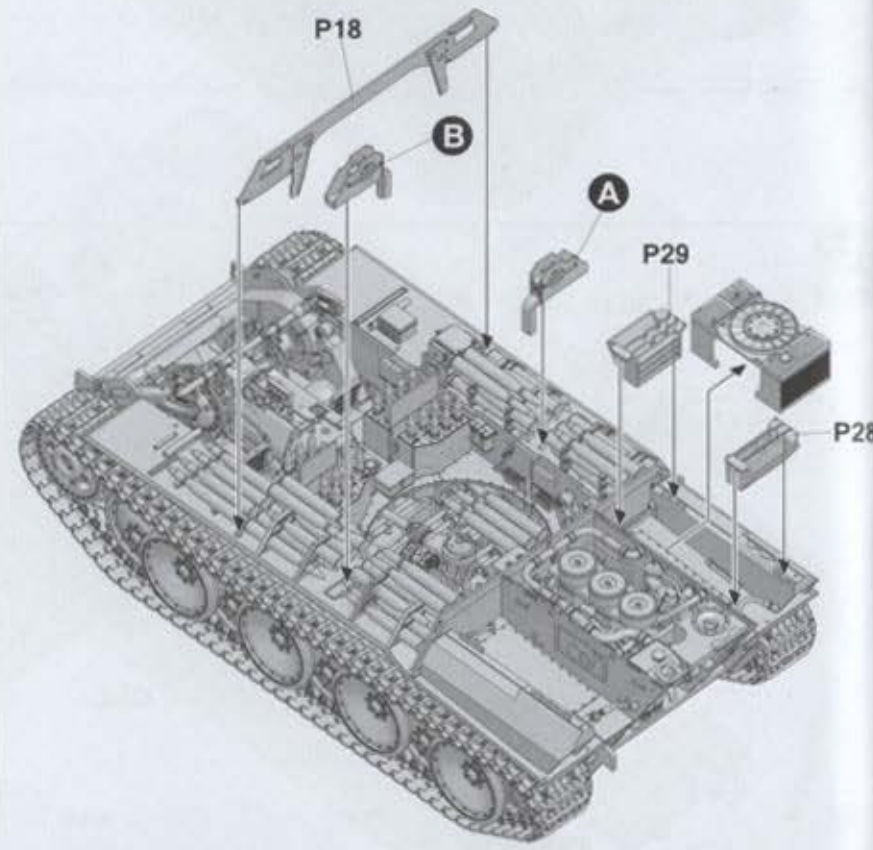
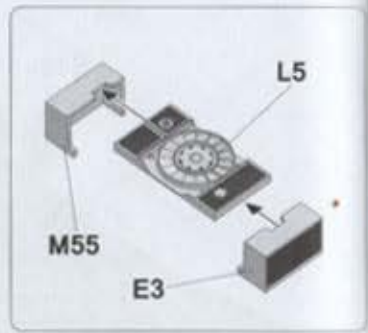
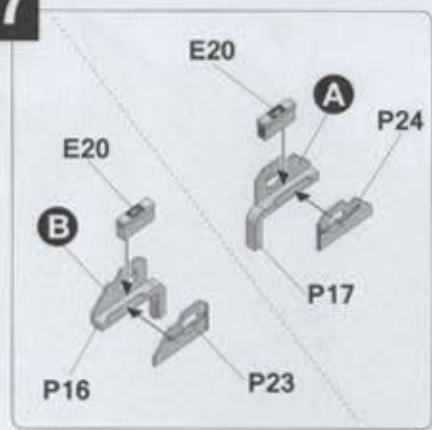
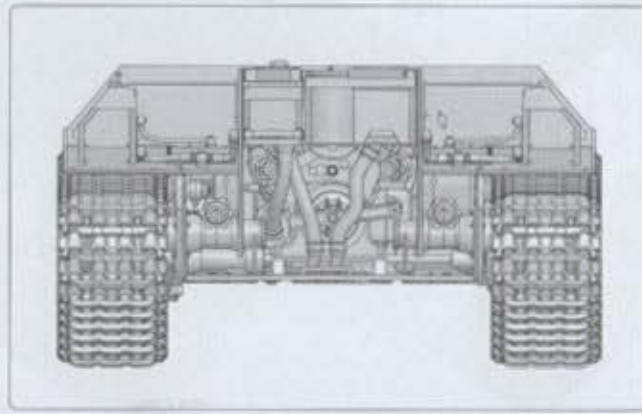
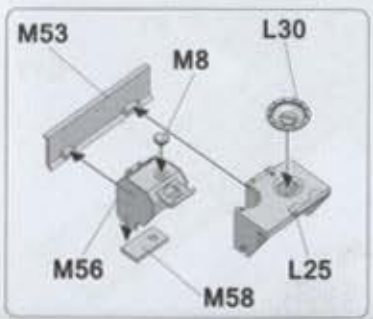
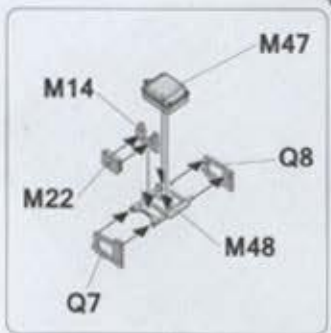
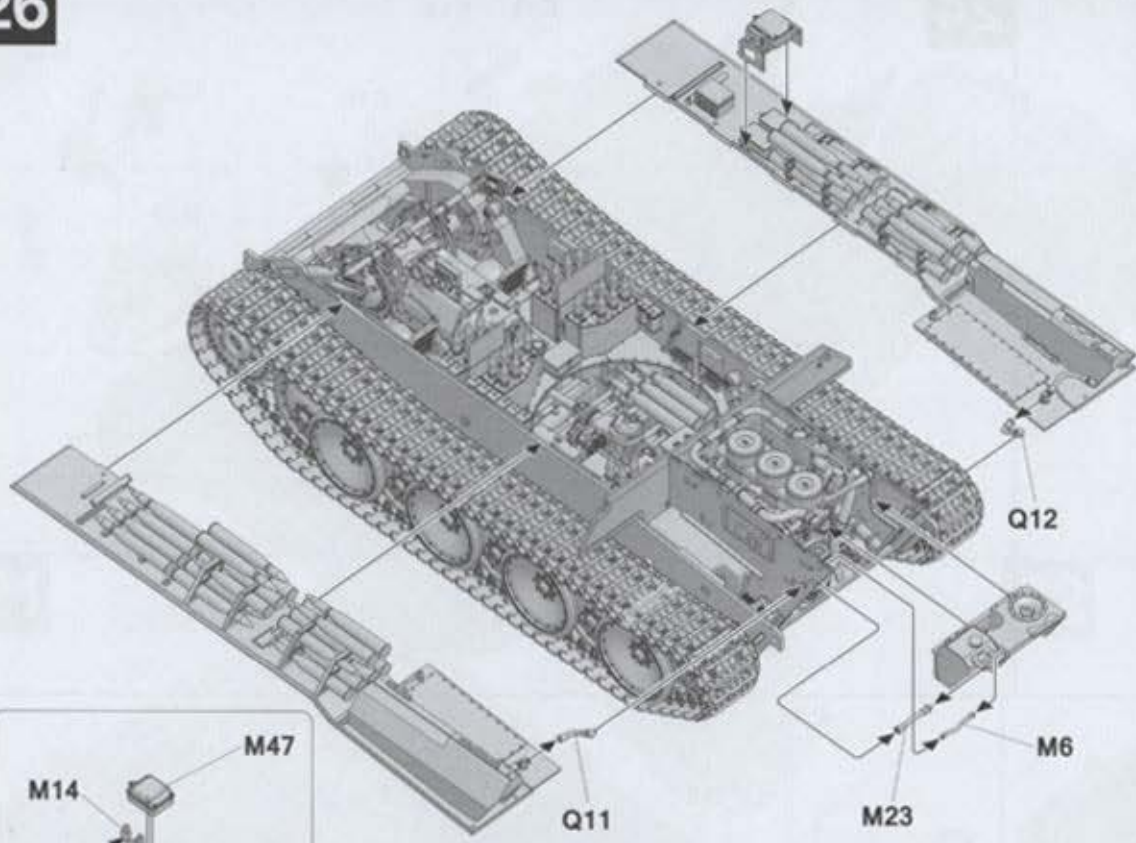
24

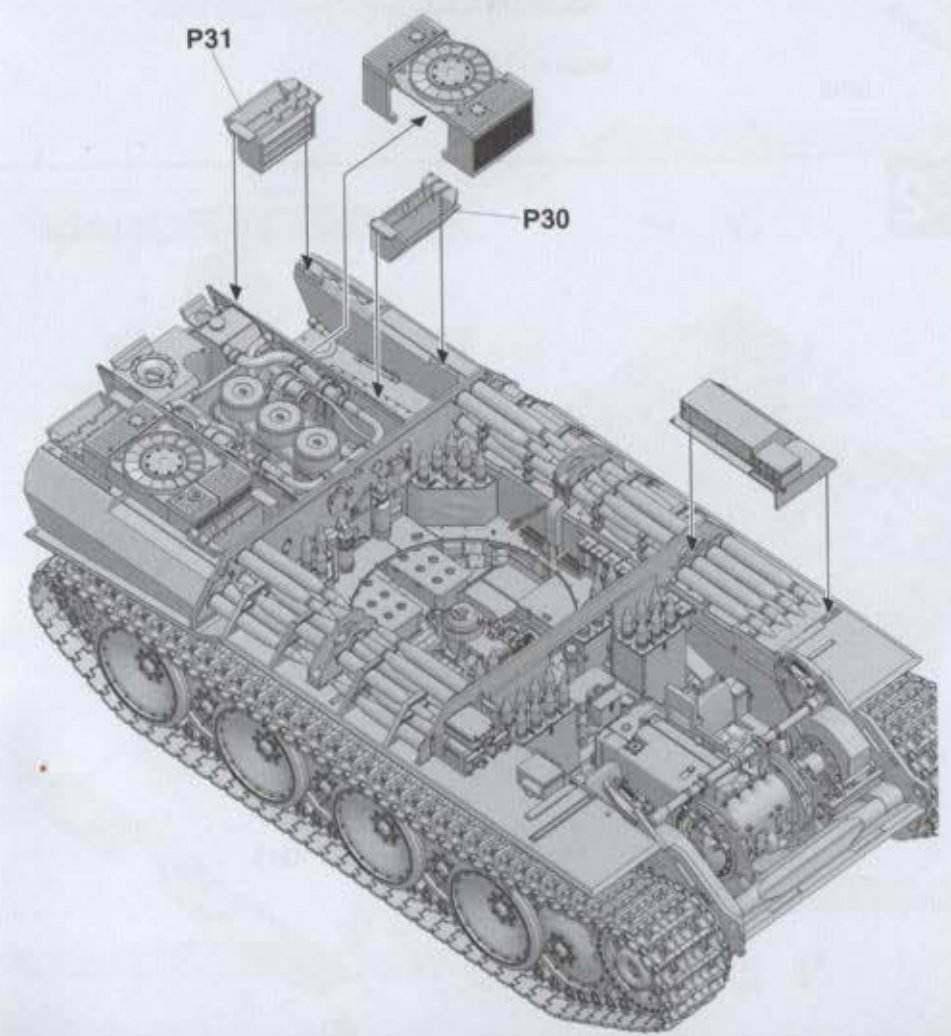
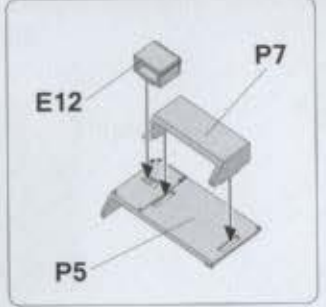
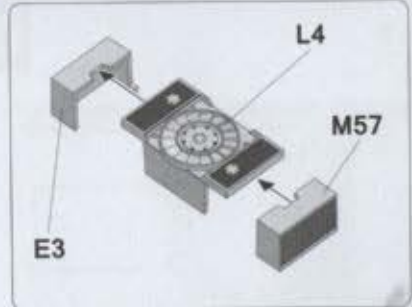


25

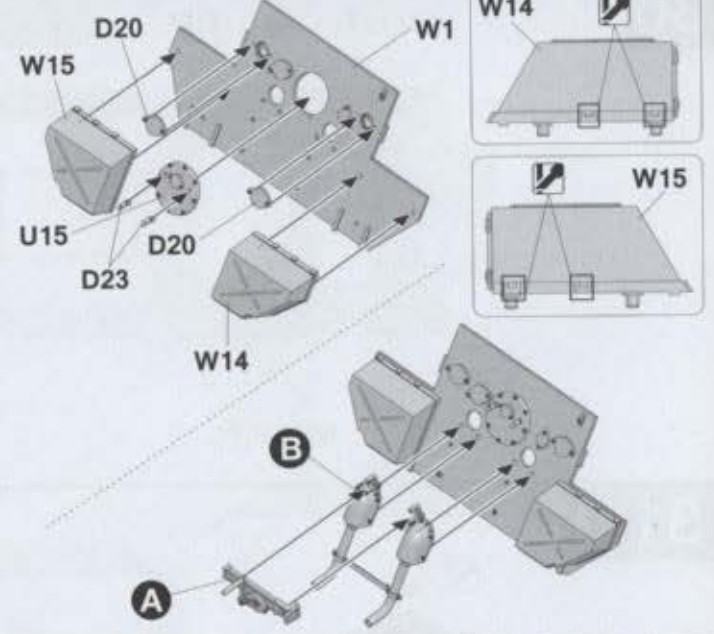
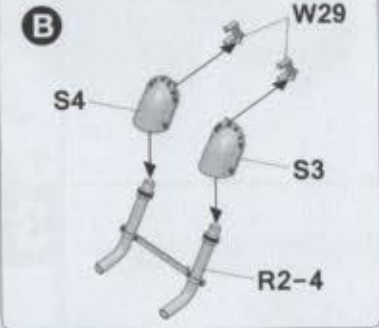
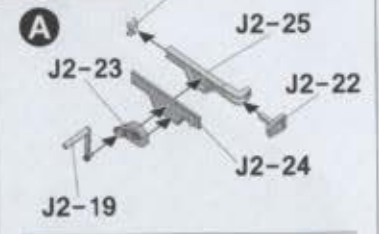




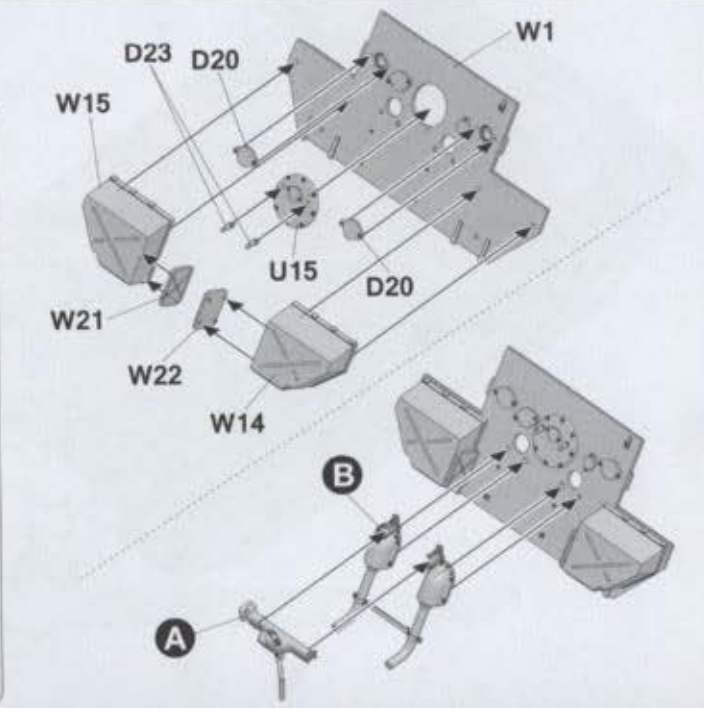
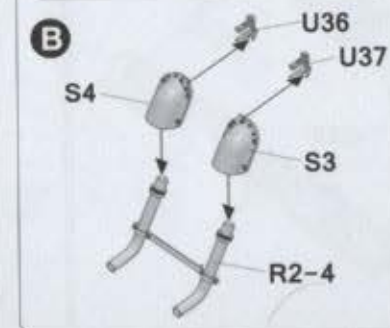
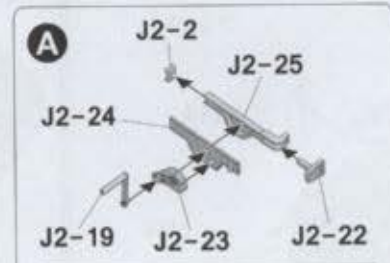


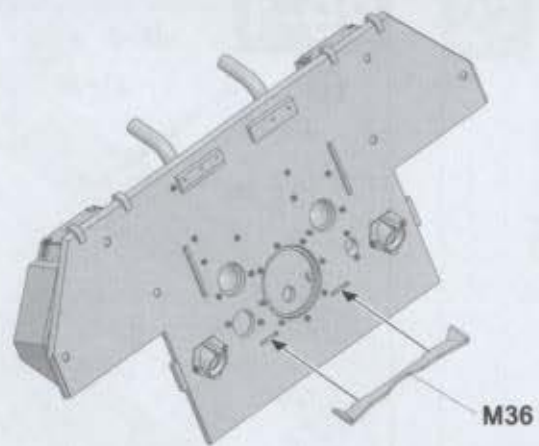


29-1

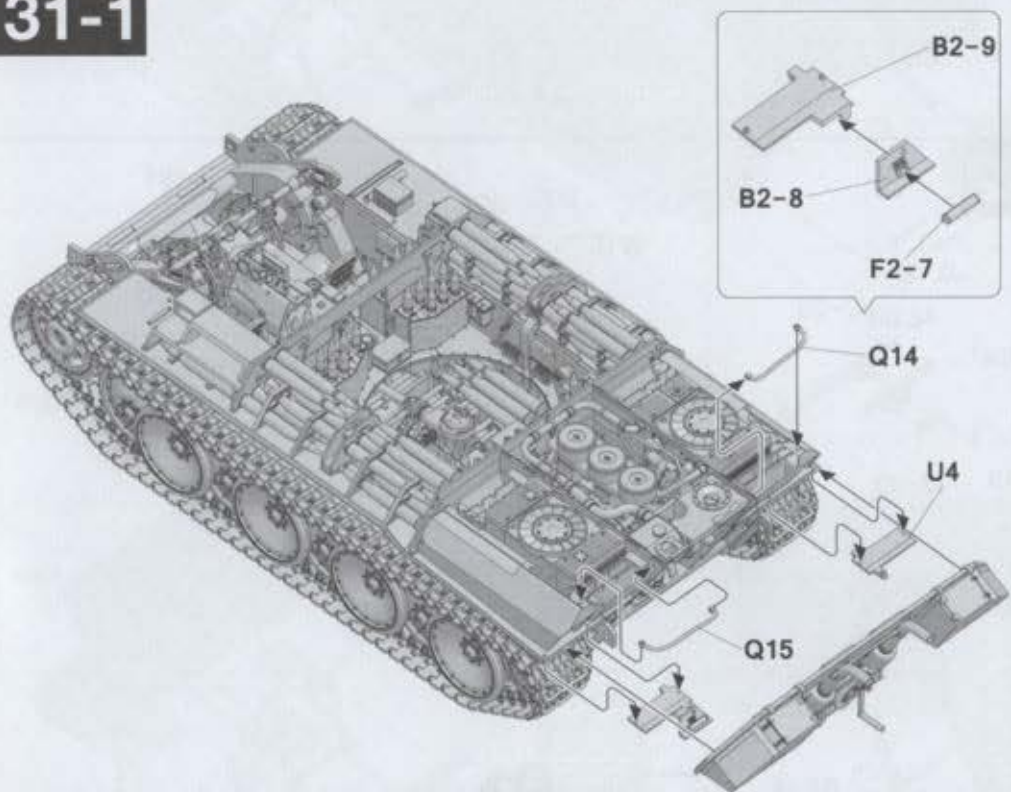


29-2

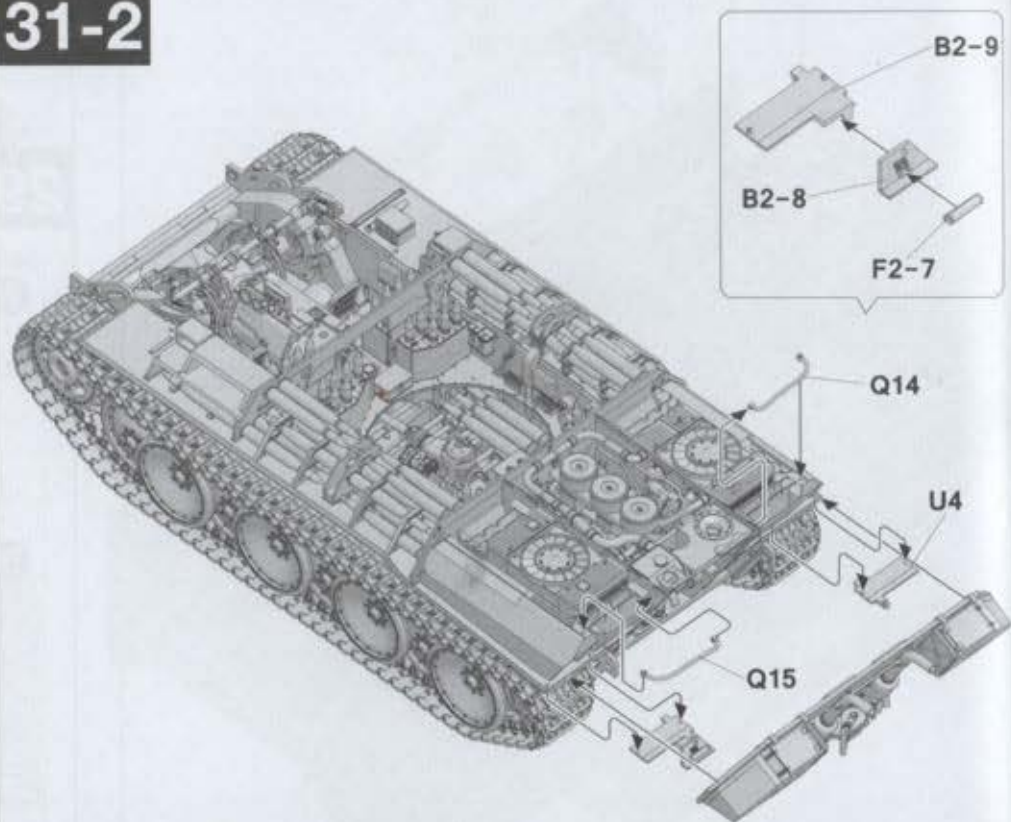




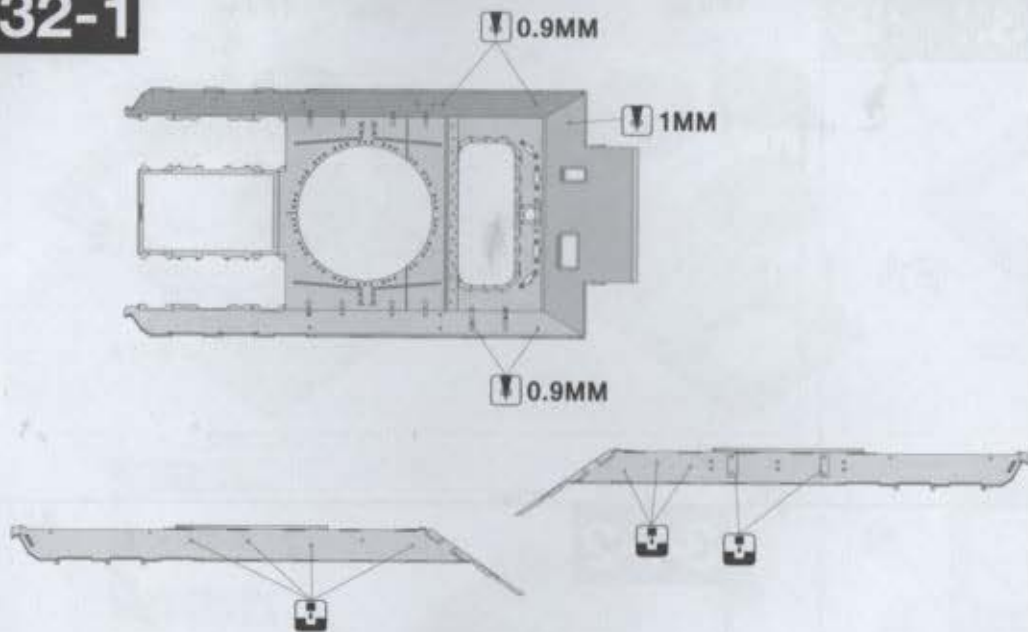
## 31-1



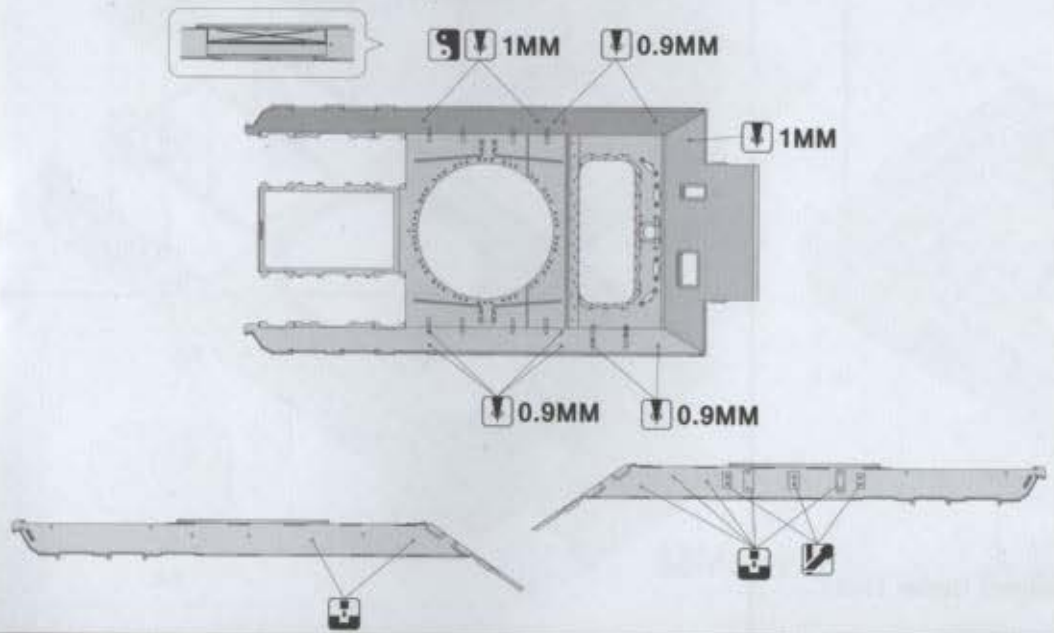
## 31-2



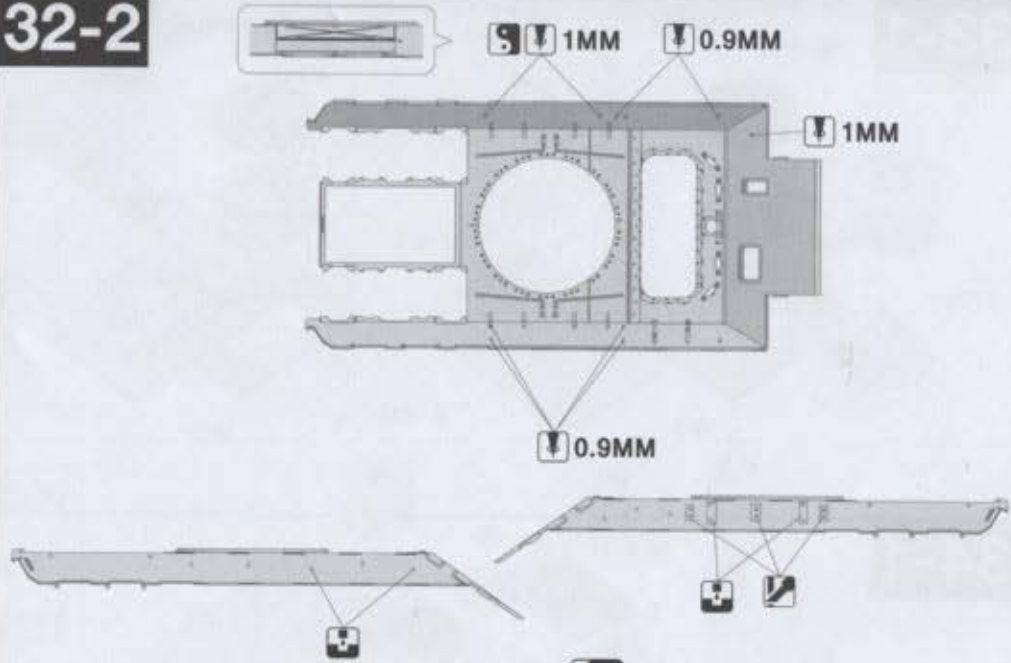
# 32-1



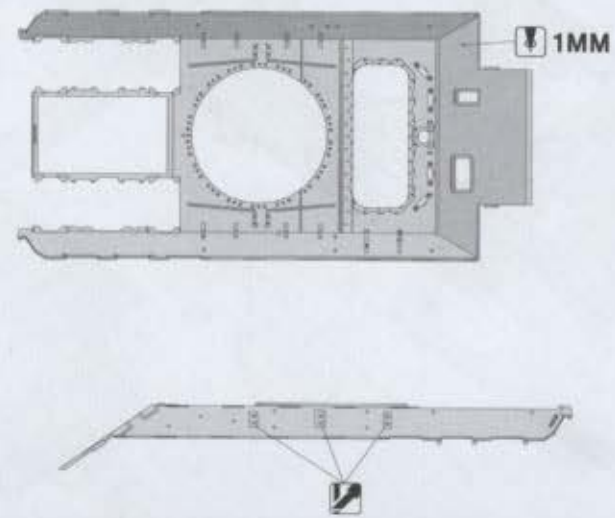
  
Optional



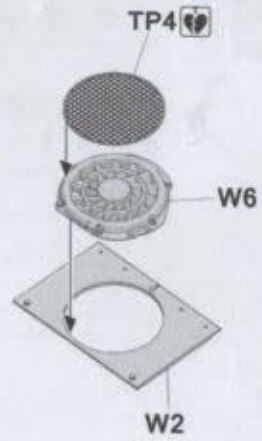
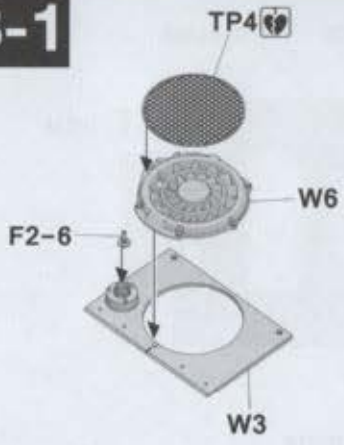
# 32-2



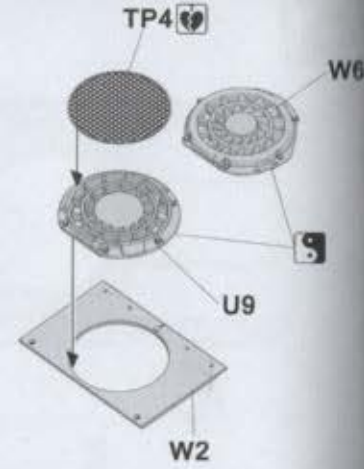
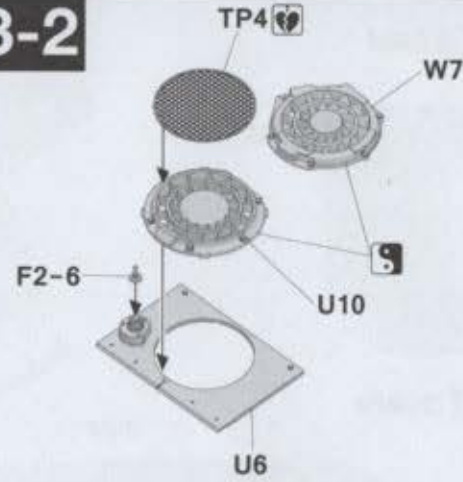
  
Optional



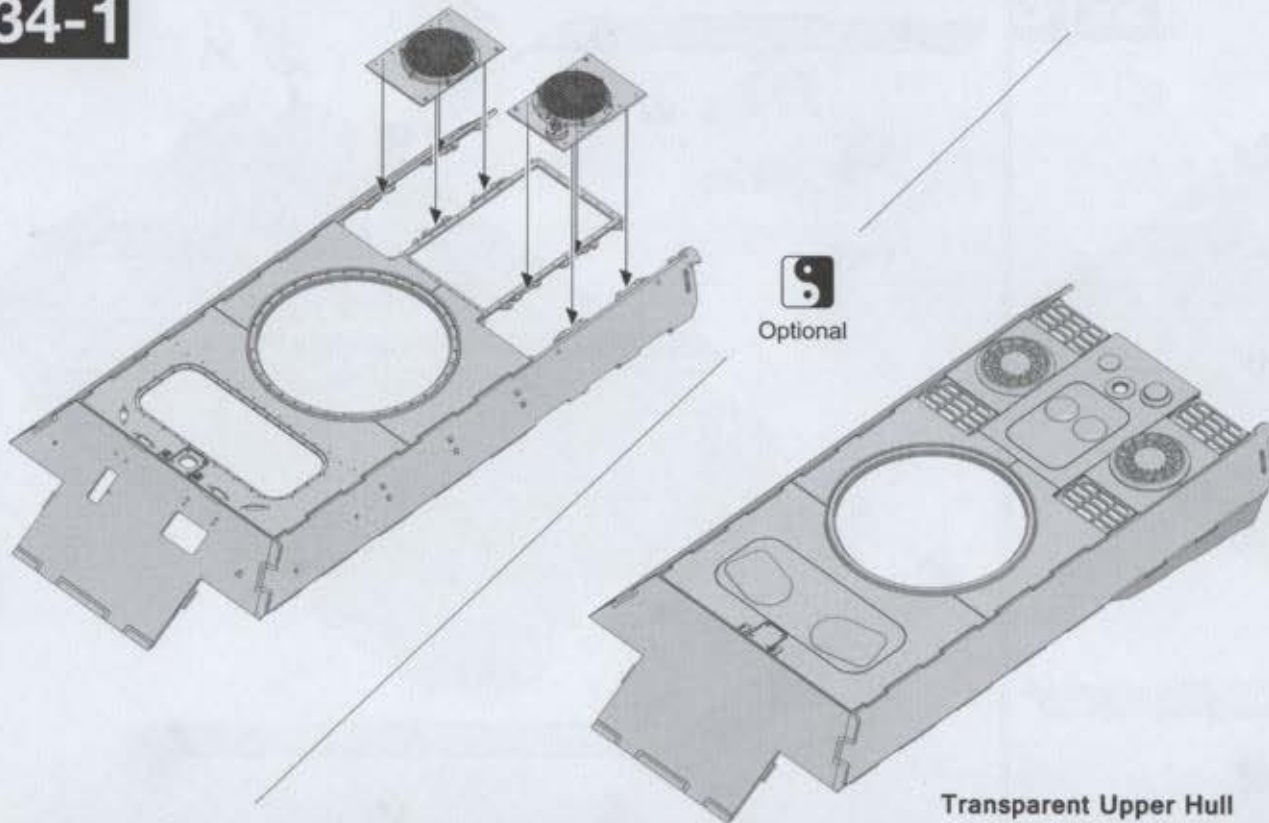
33-1



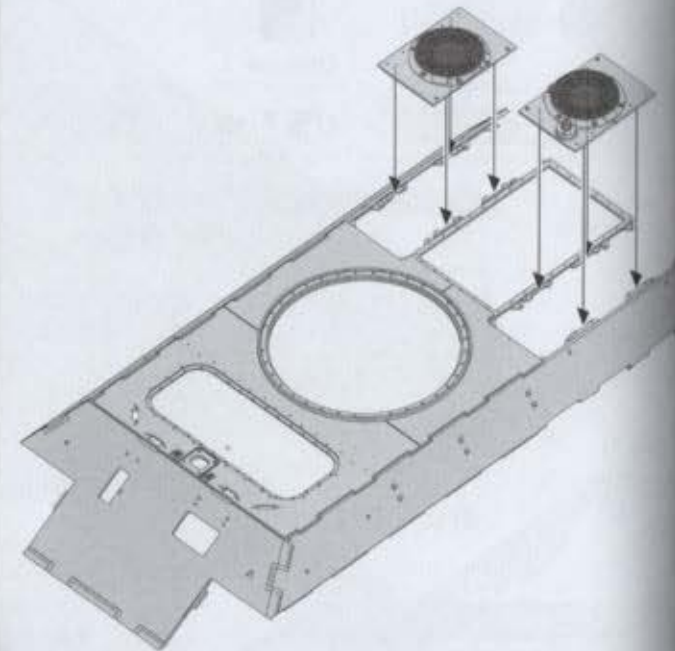
33-2



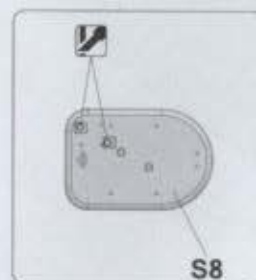
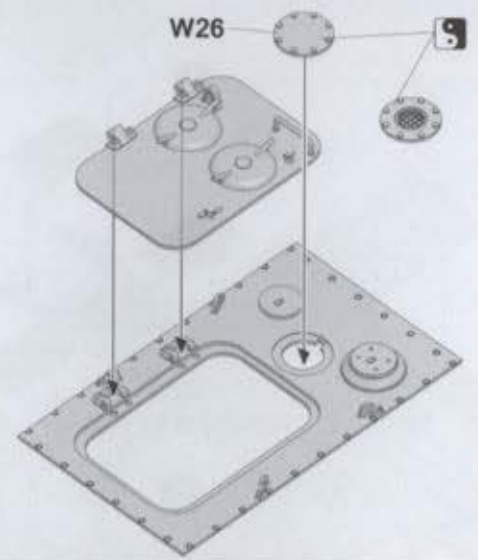
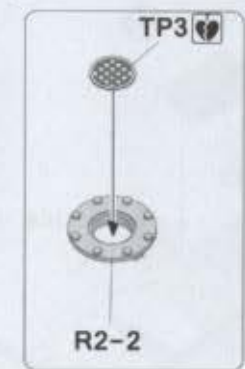
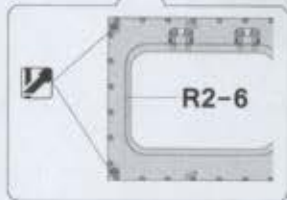
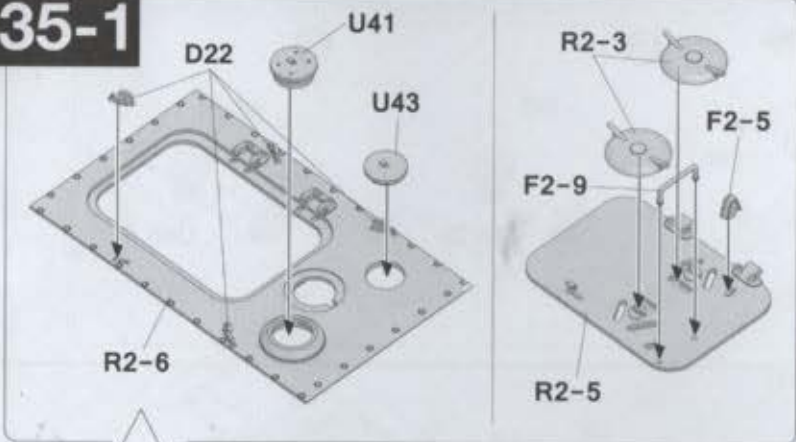
34-1



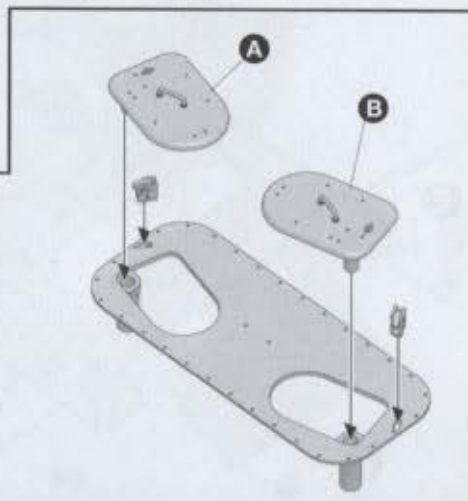
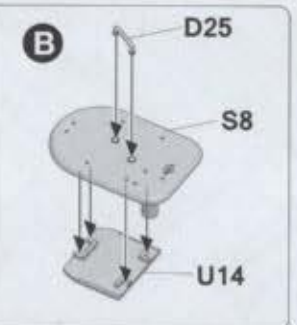
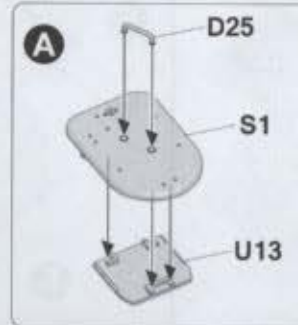
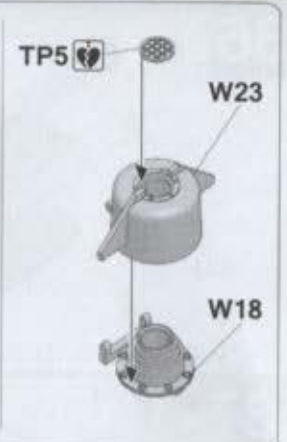
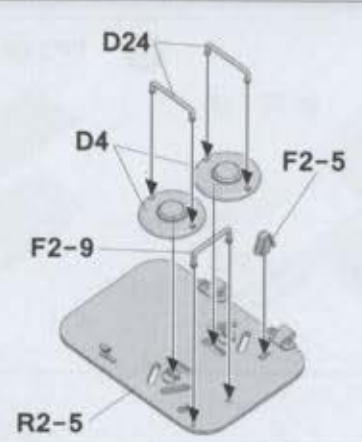
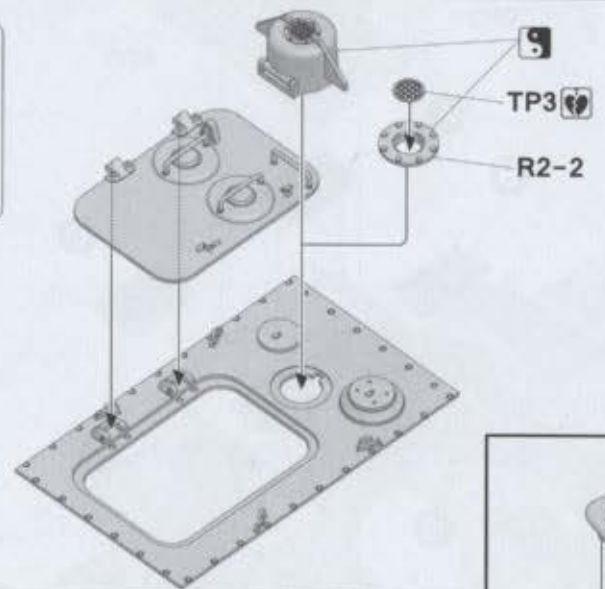
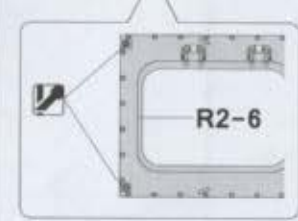
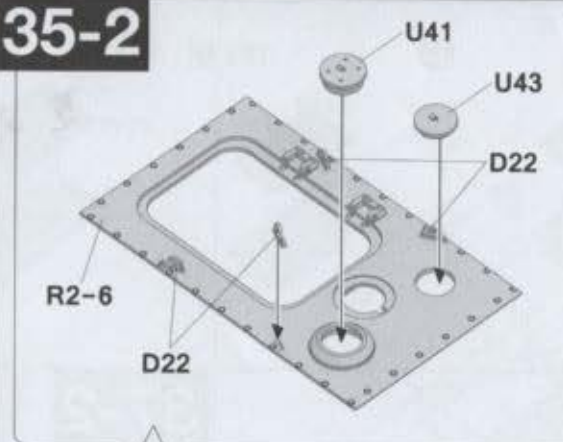
34-2

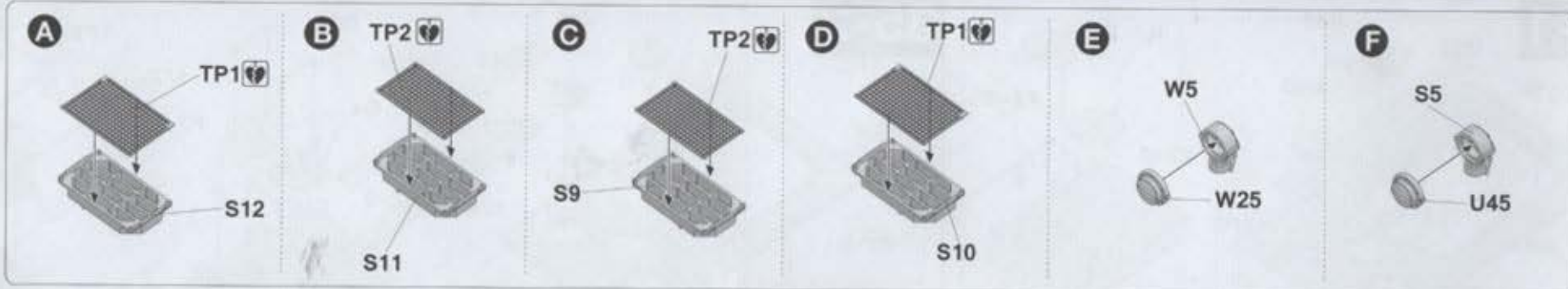
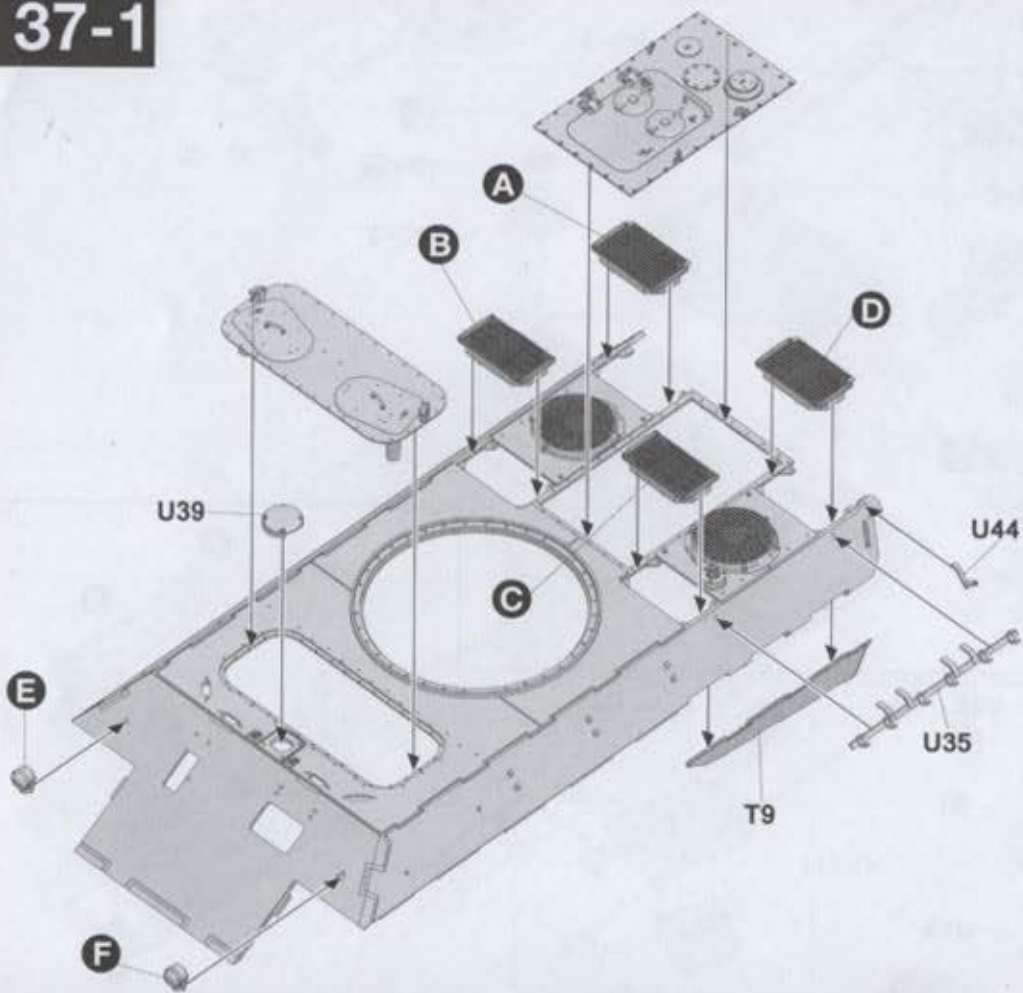
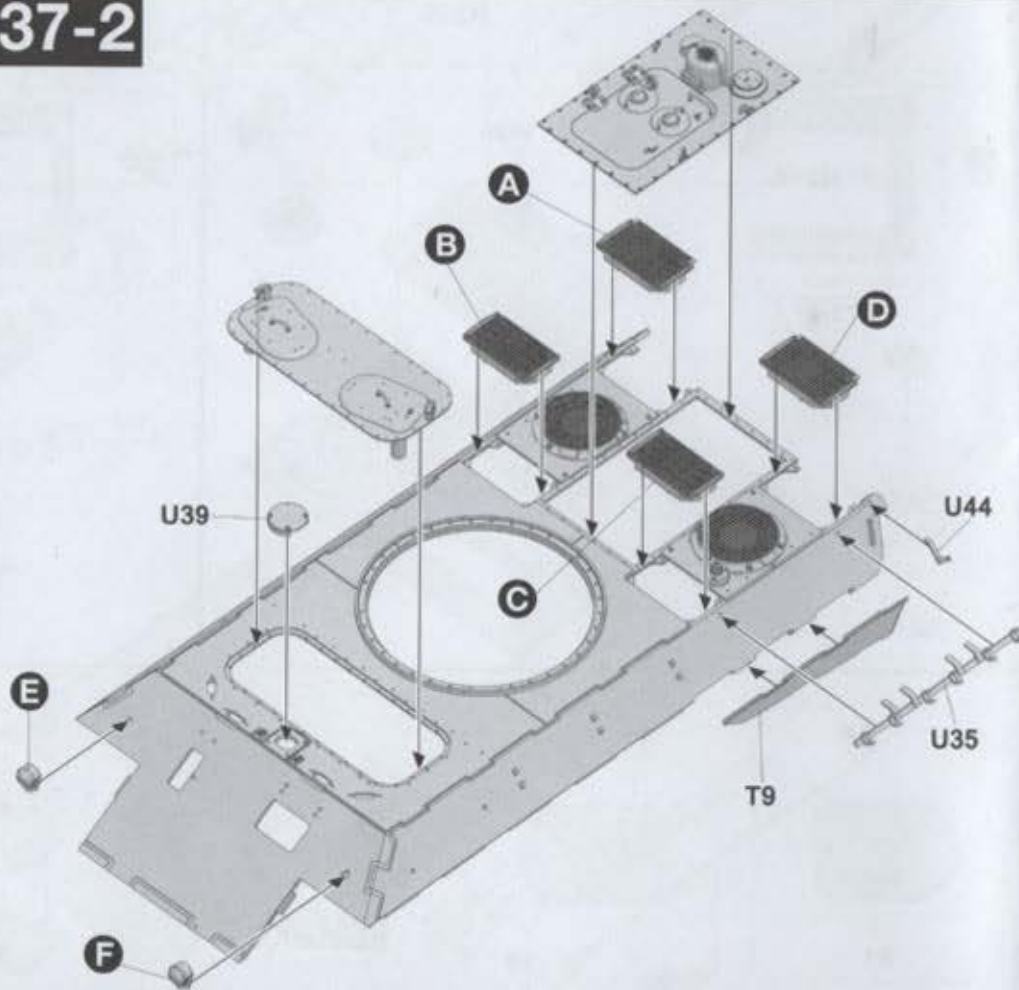


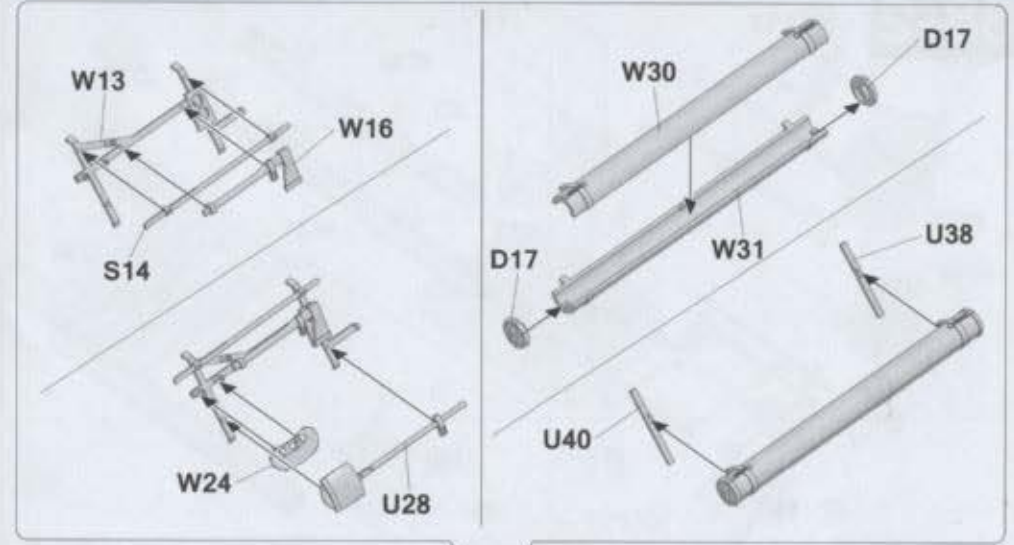
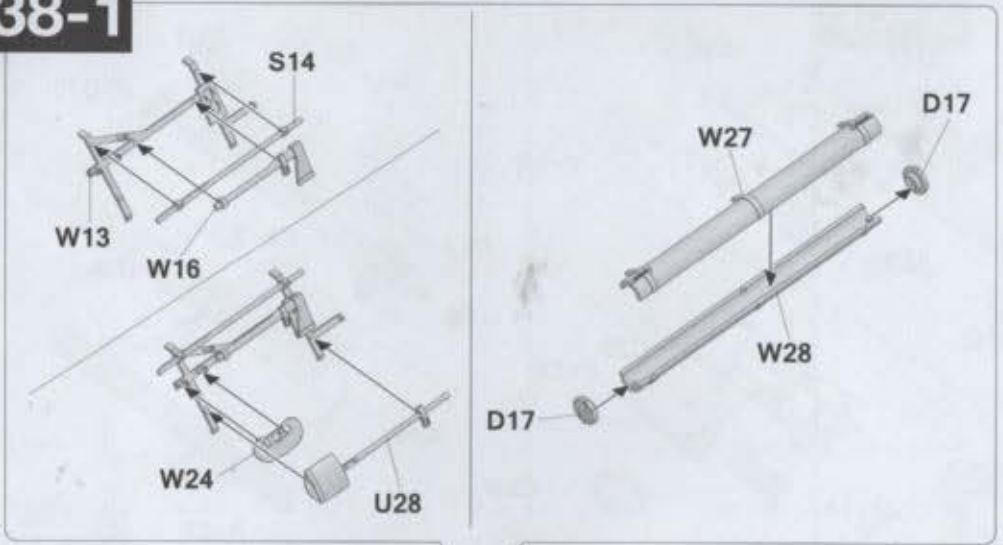
# 35-1



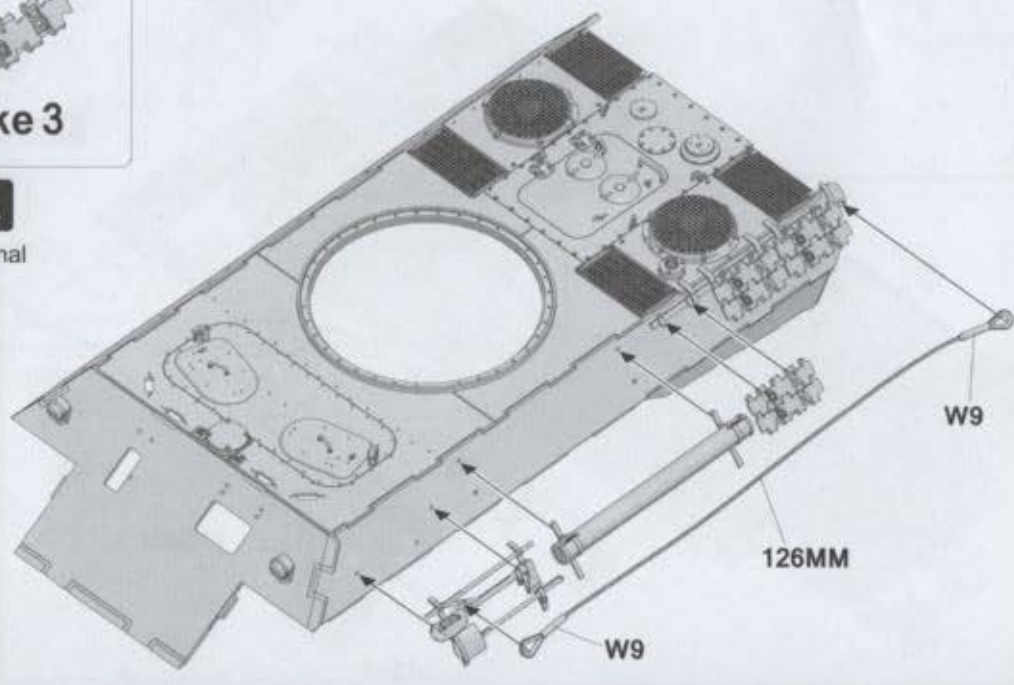
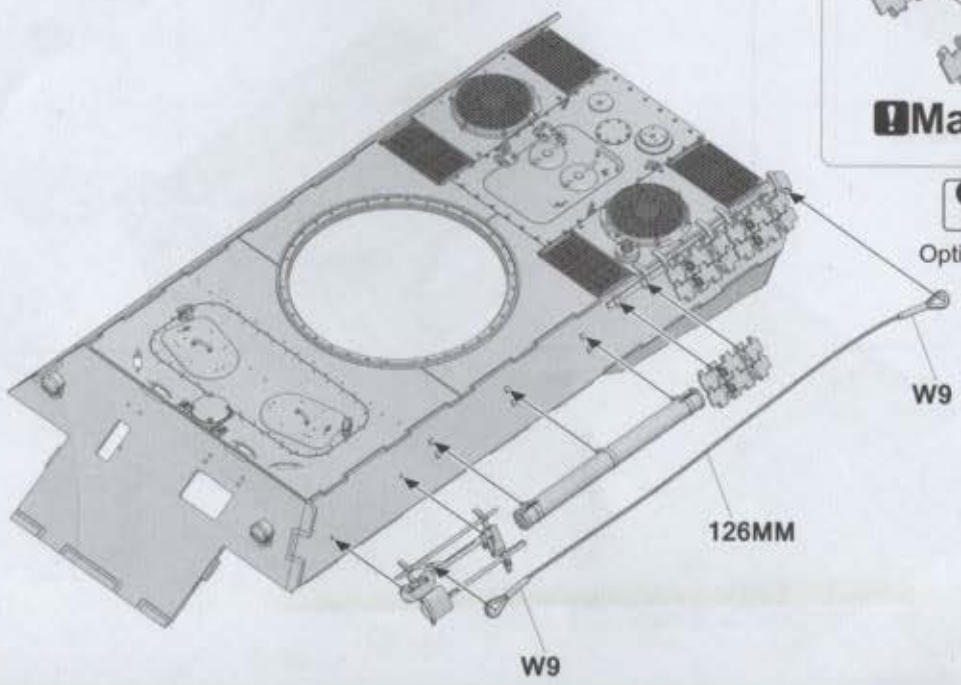
# 35-2



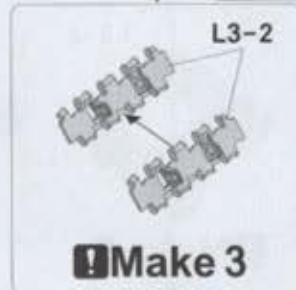
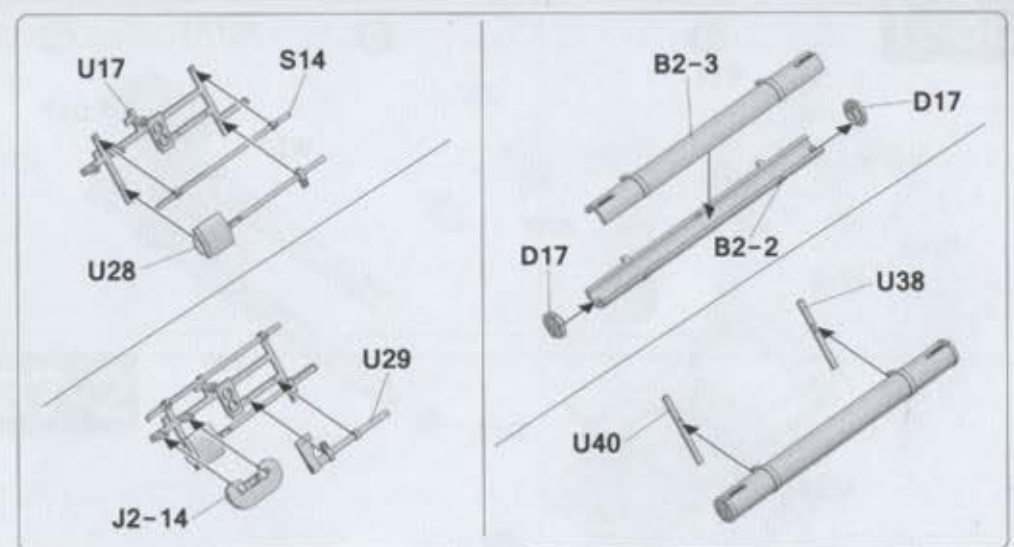
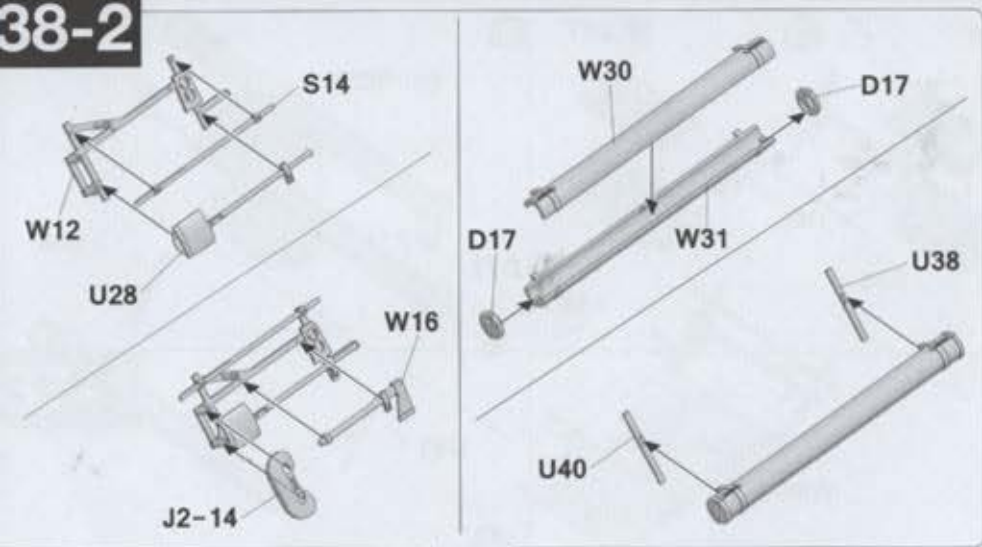
**36****37-1****37-2**



Optional



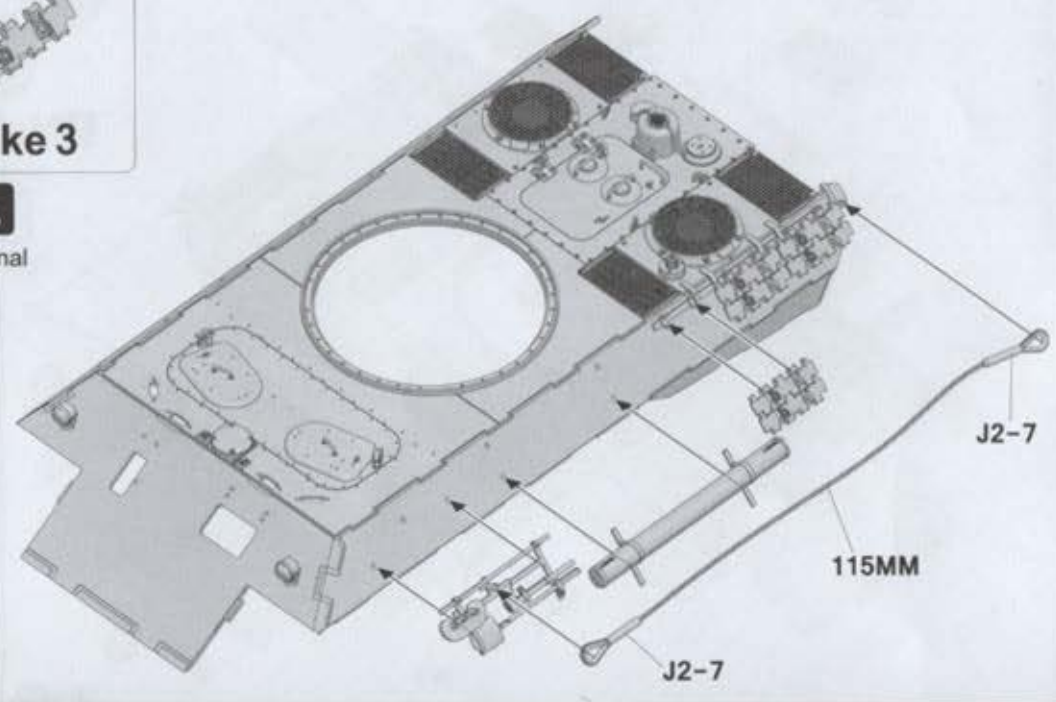
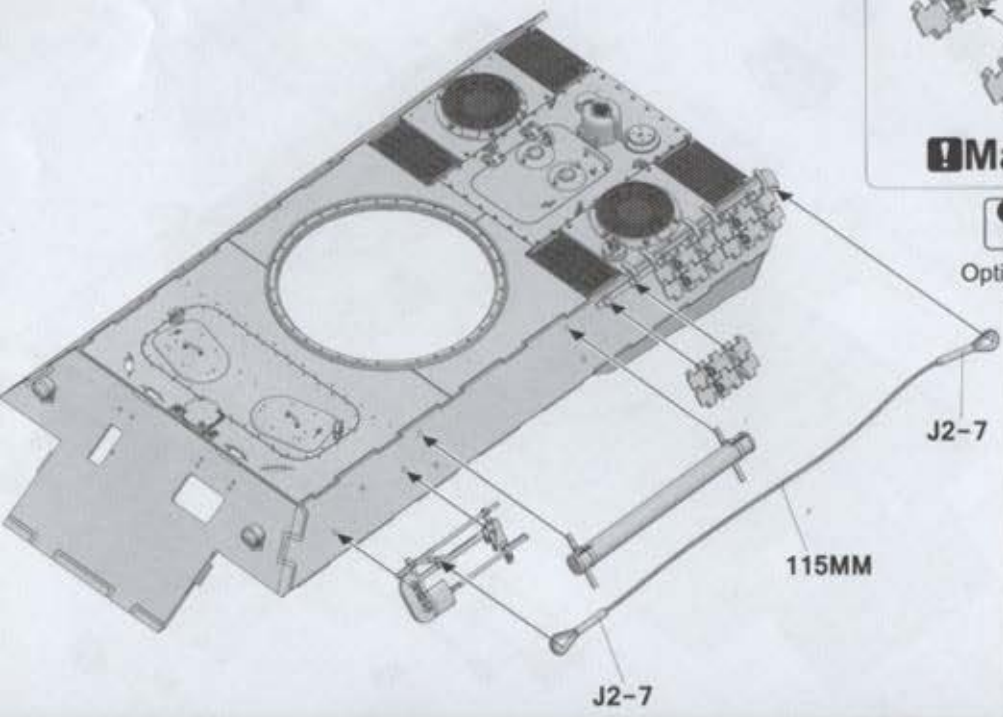


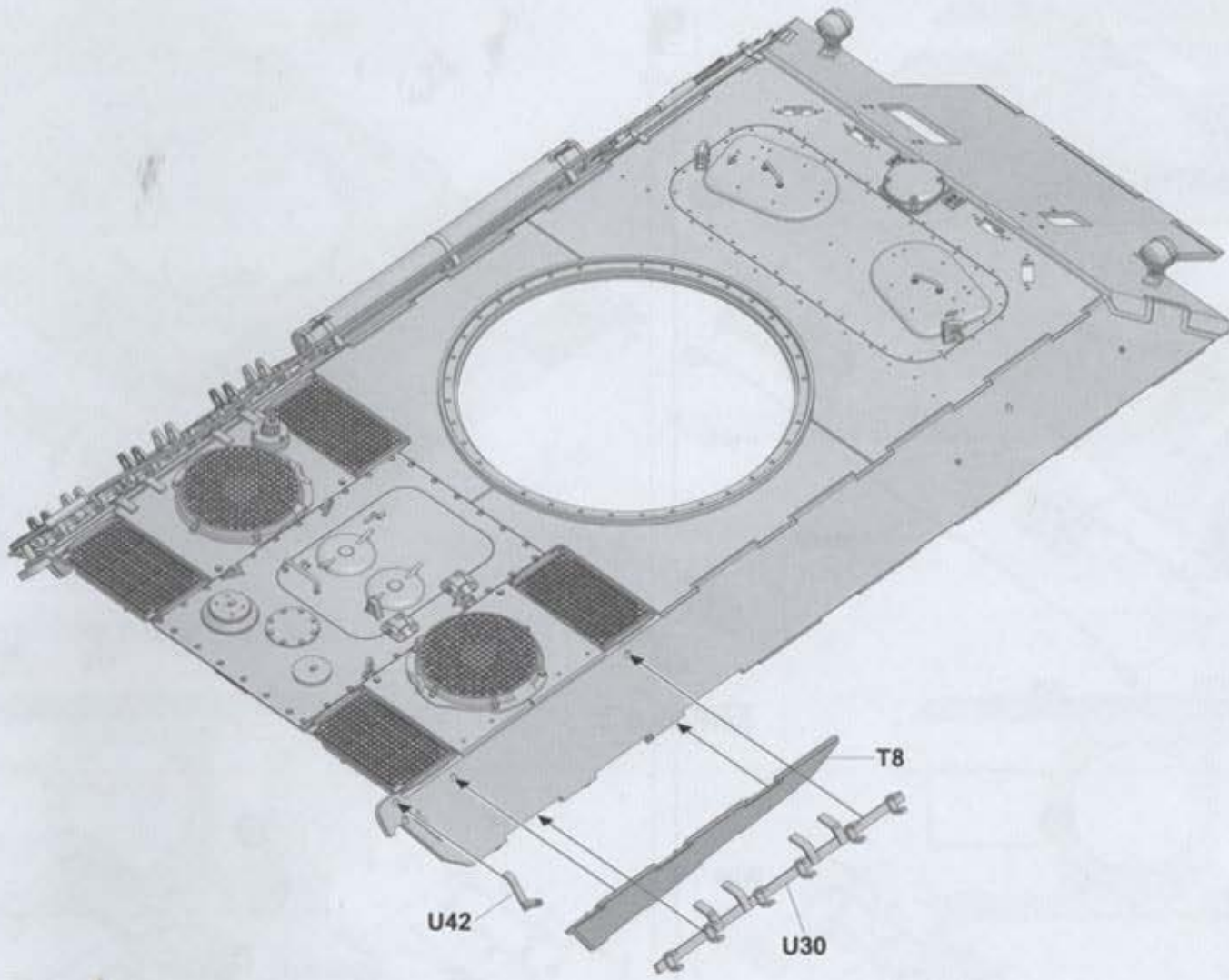


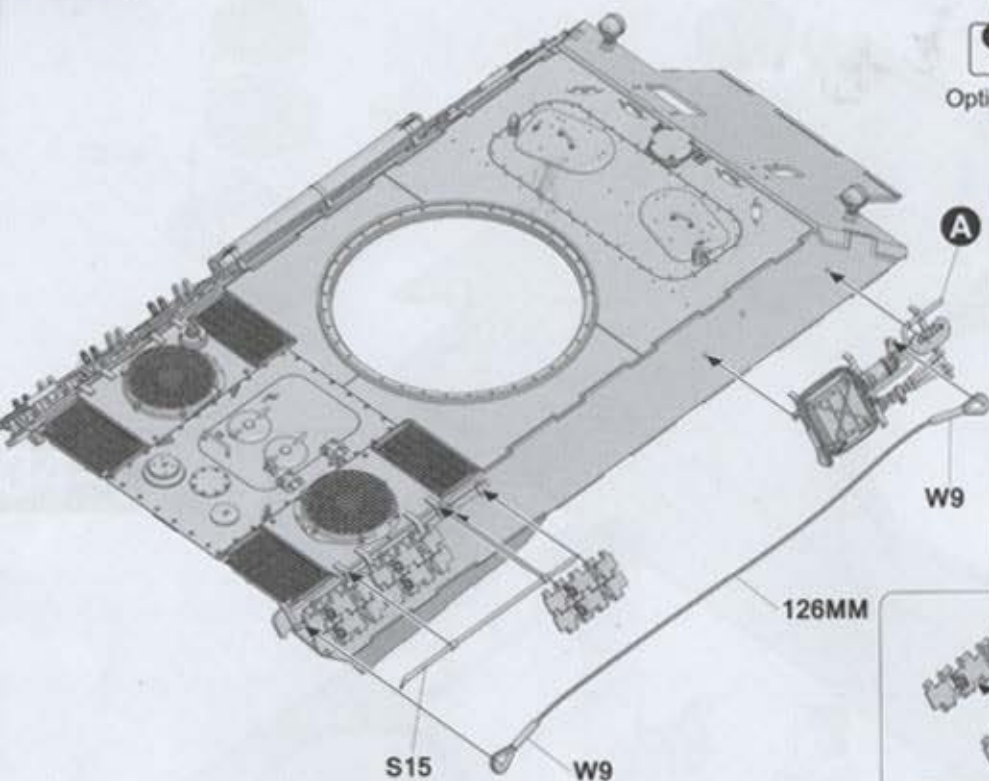
**Make 3**



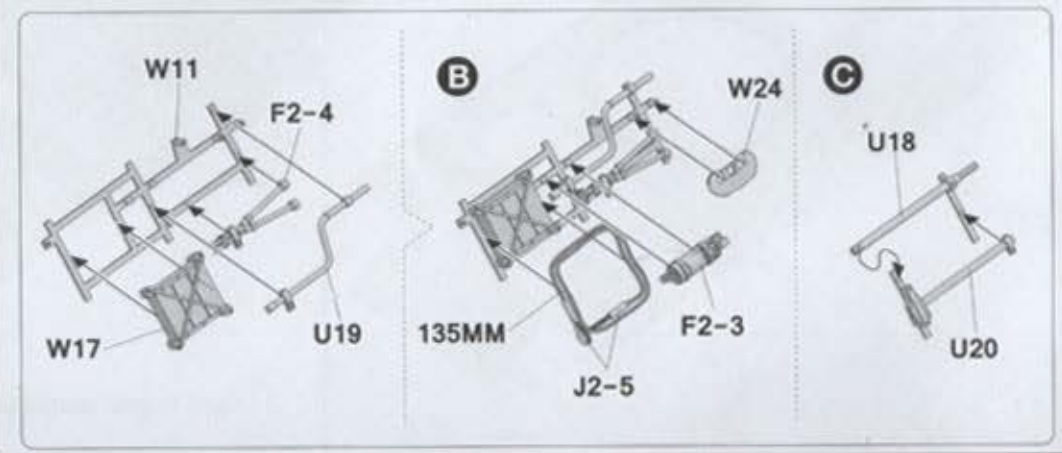
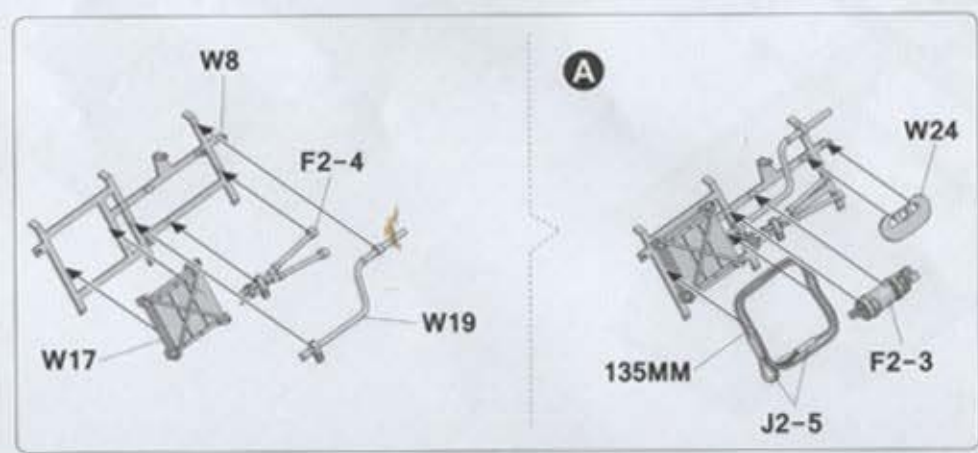
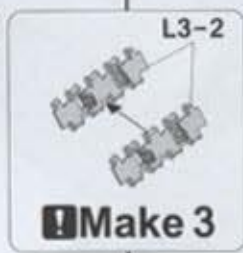
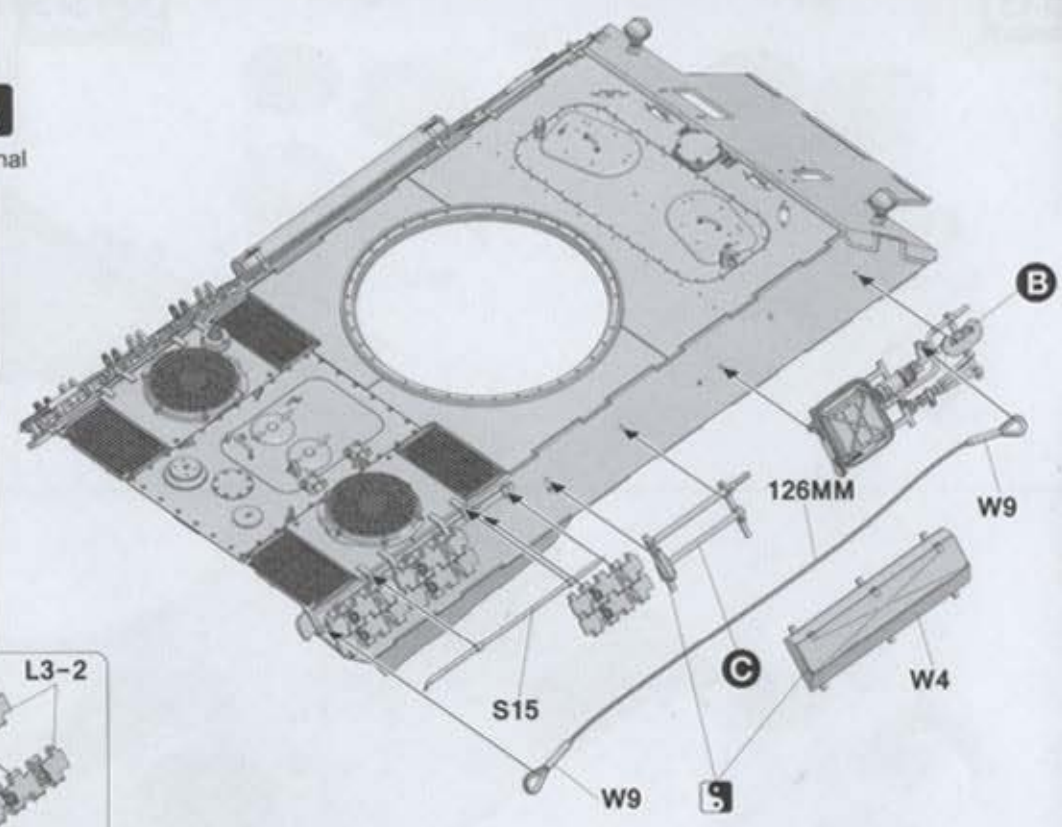
Optional

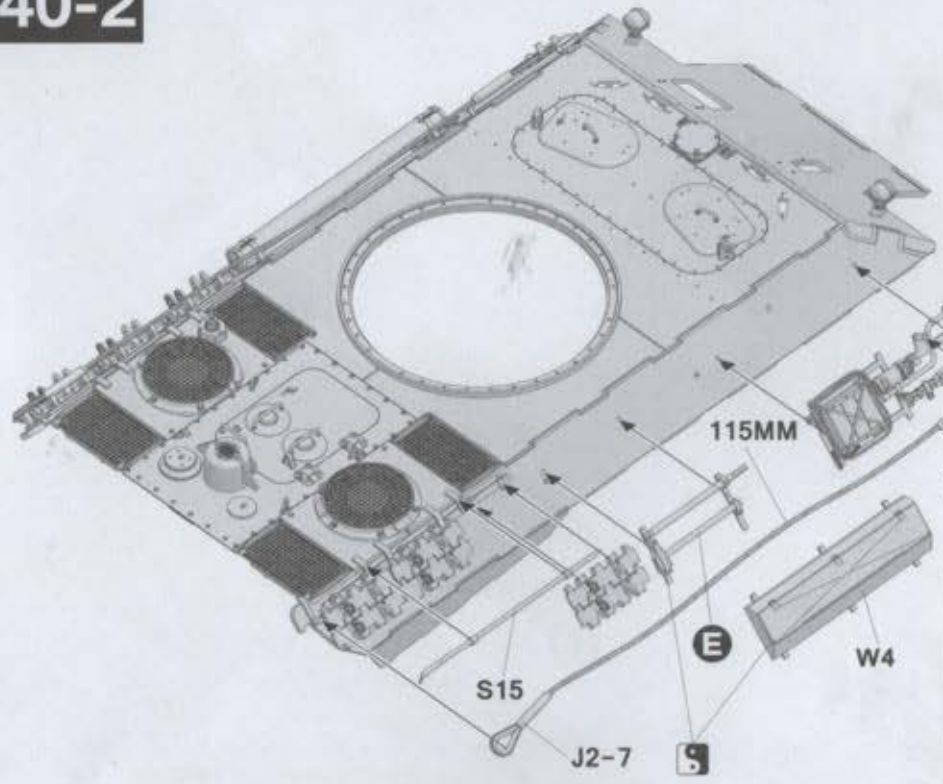




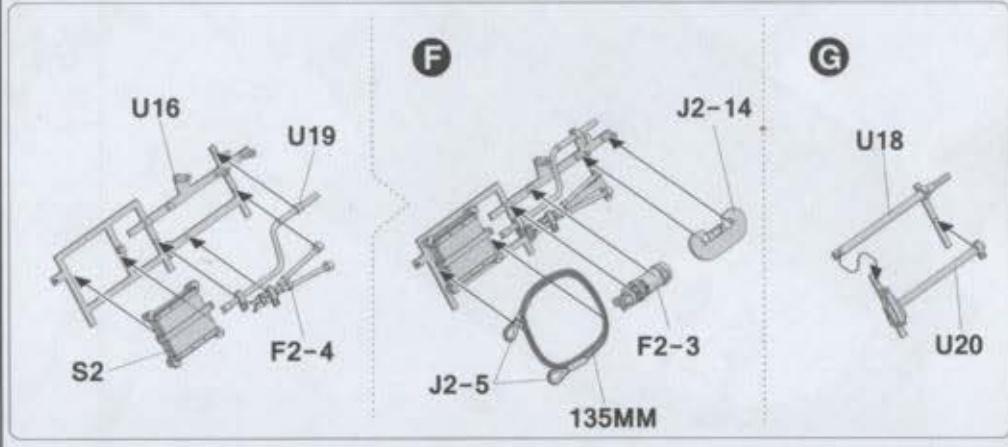
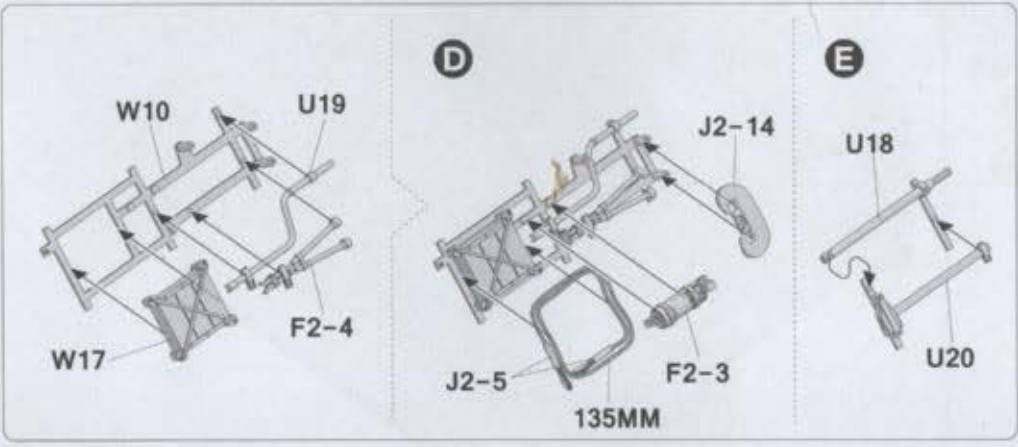
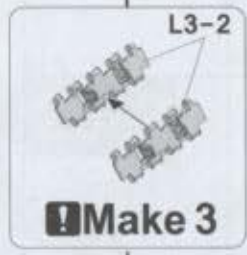
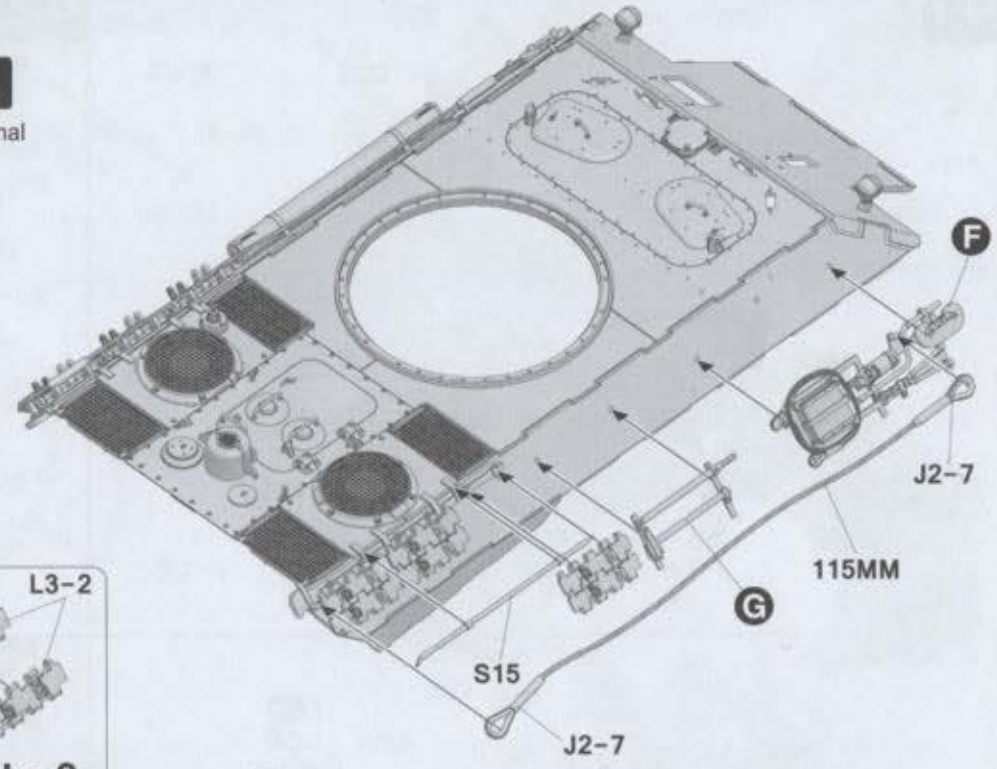


  
Optional

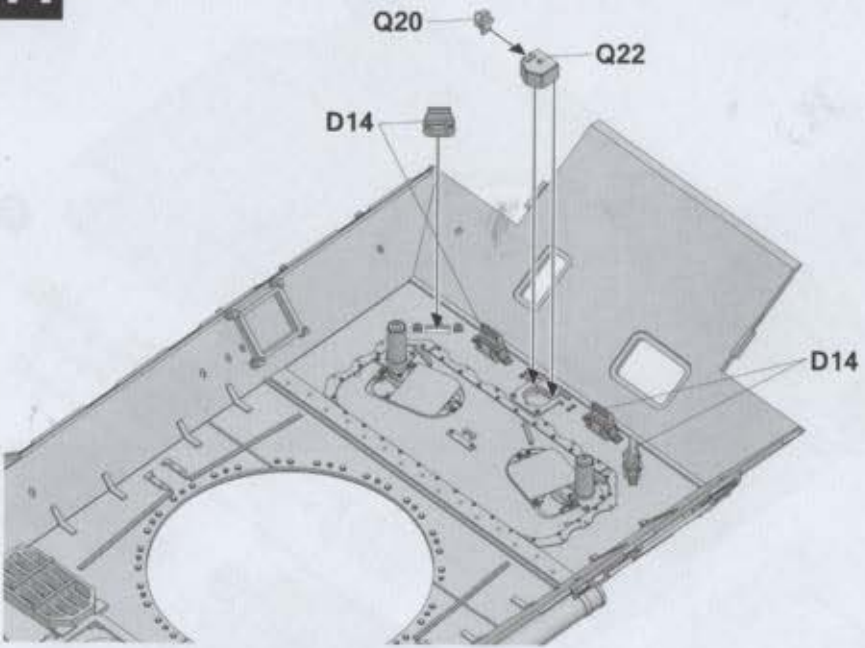




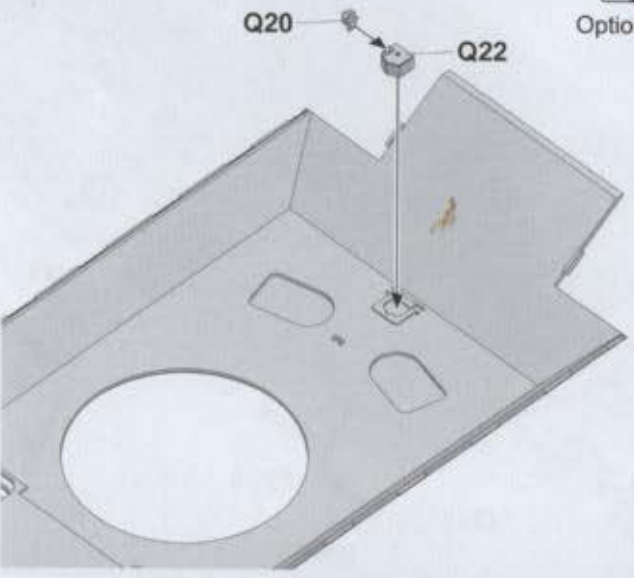
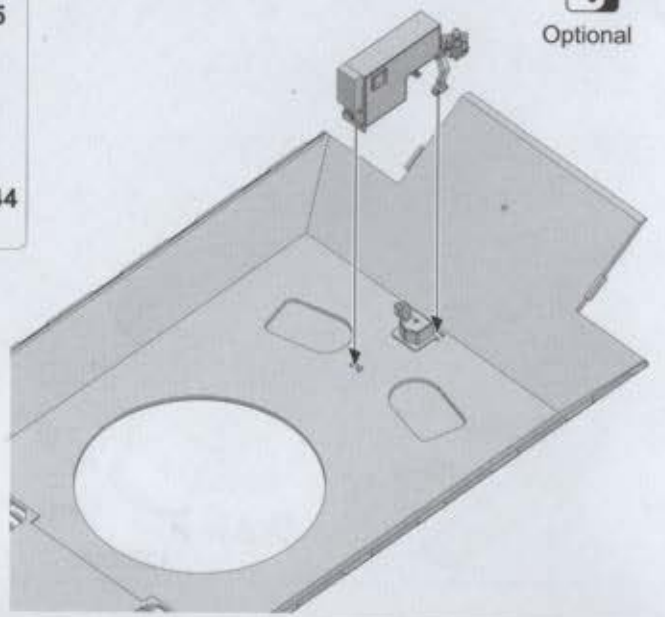
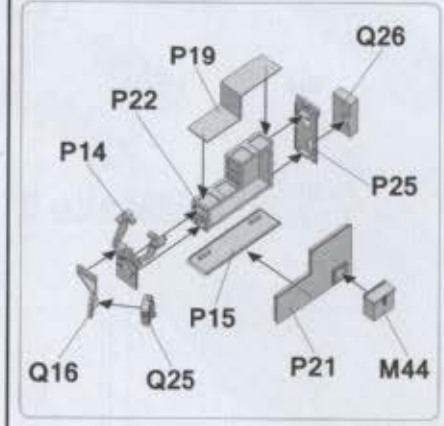
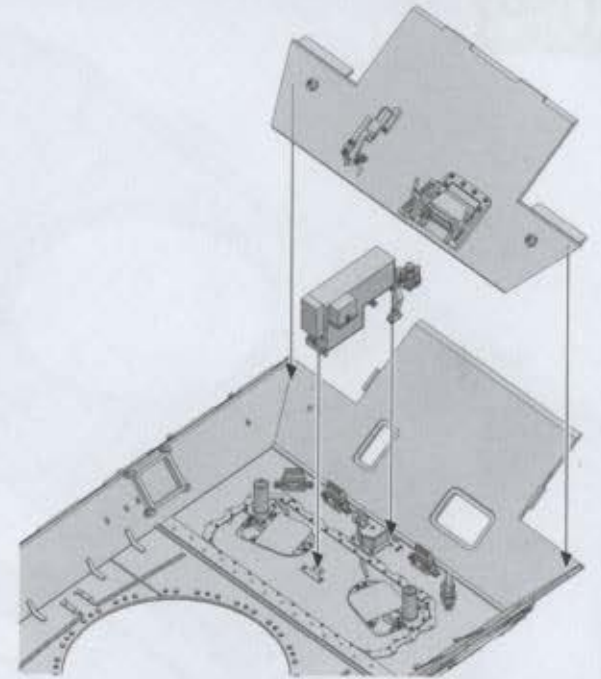
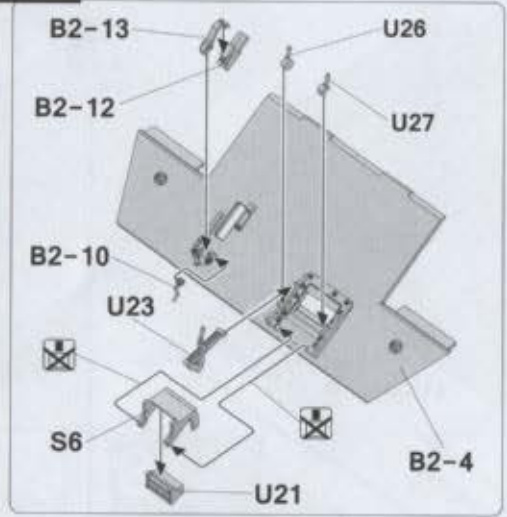
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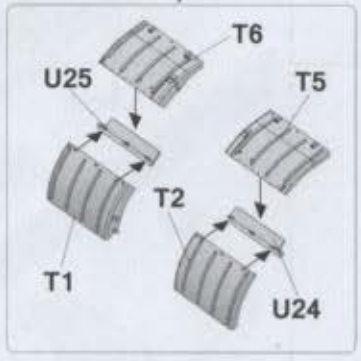
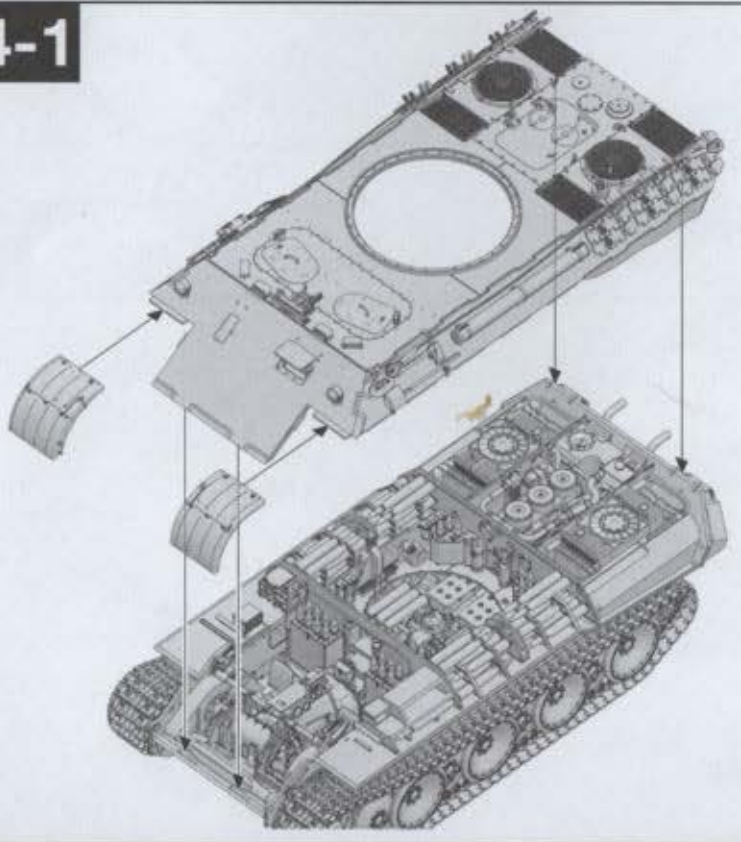
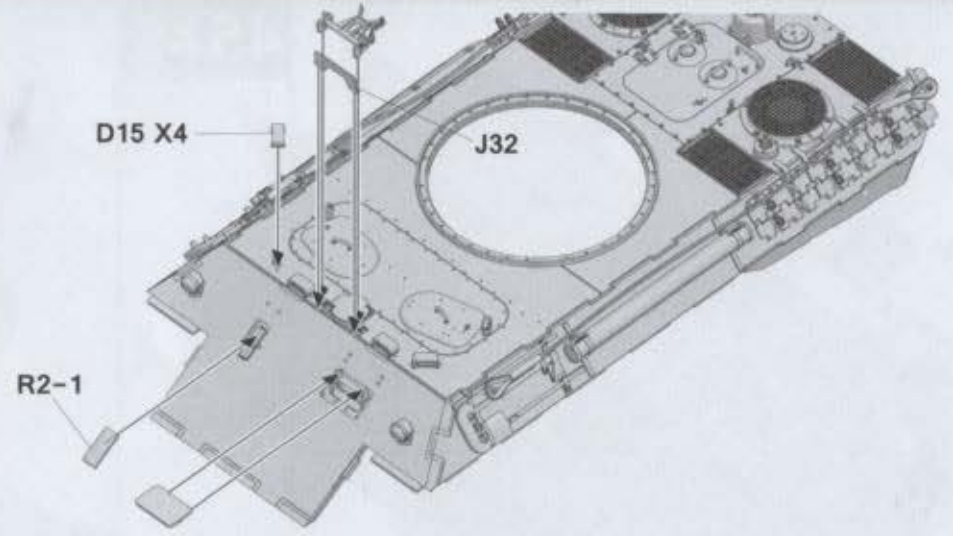
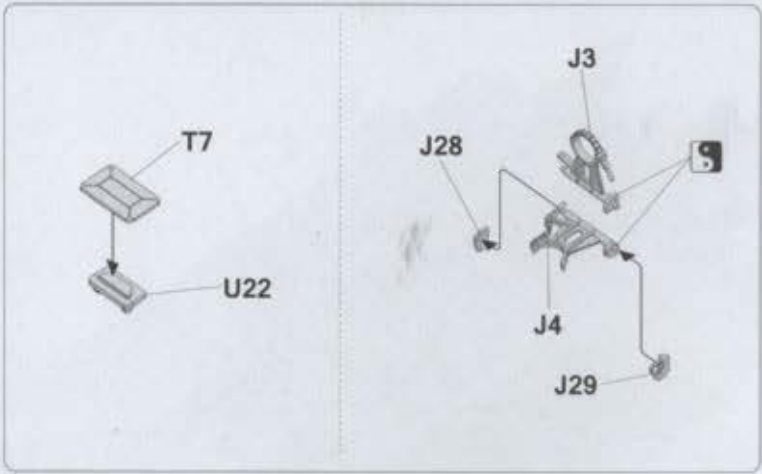


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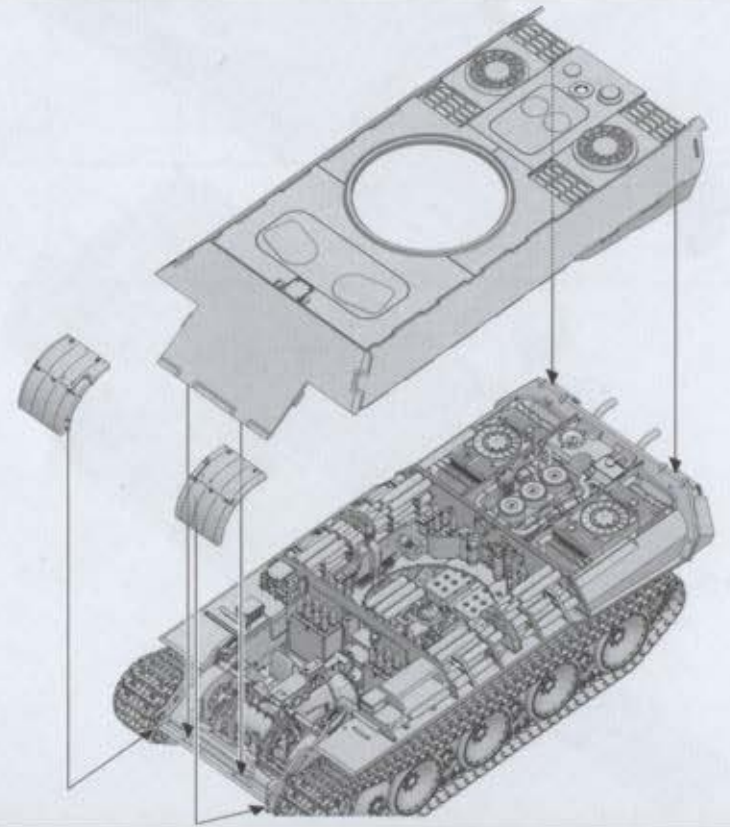


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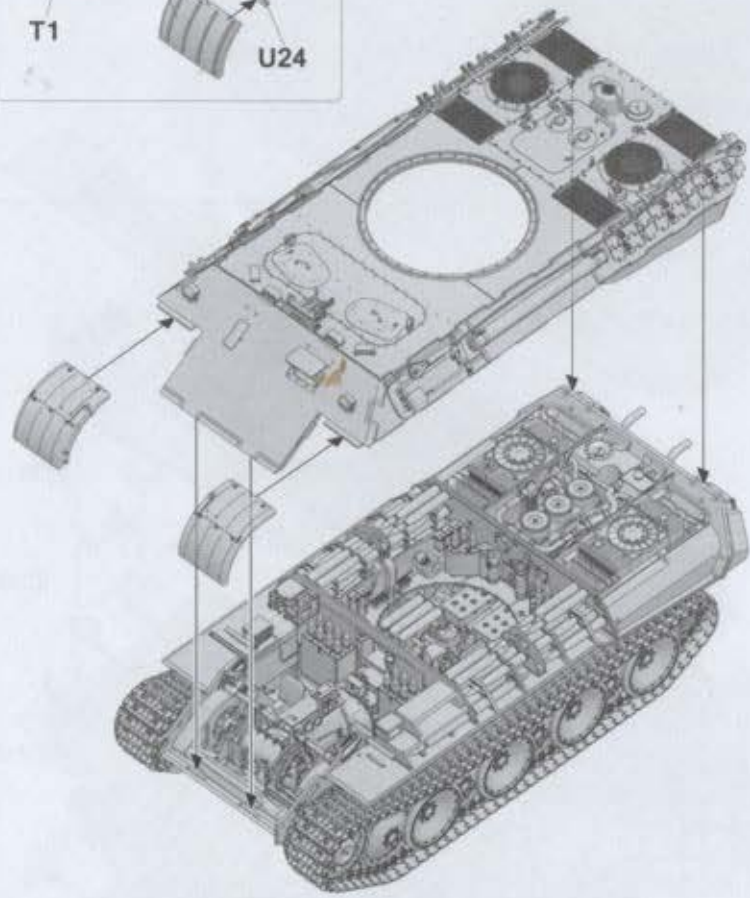
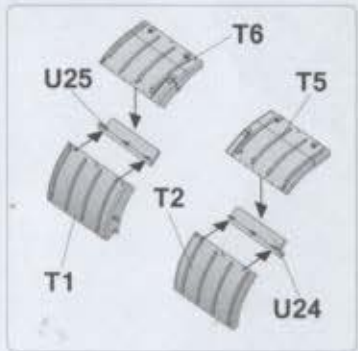




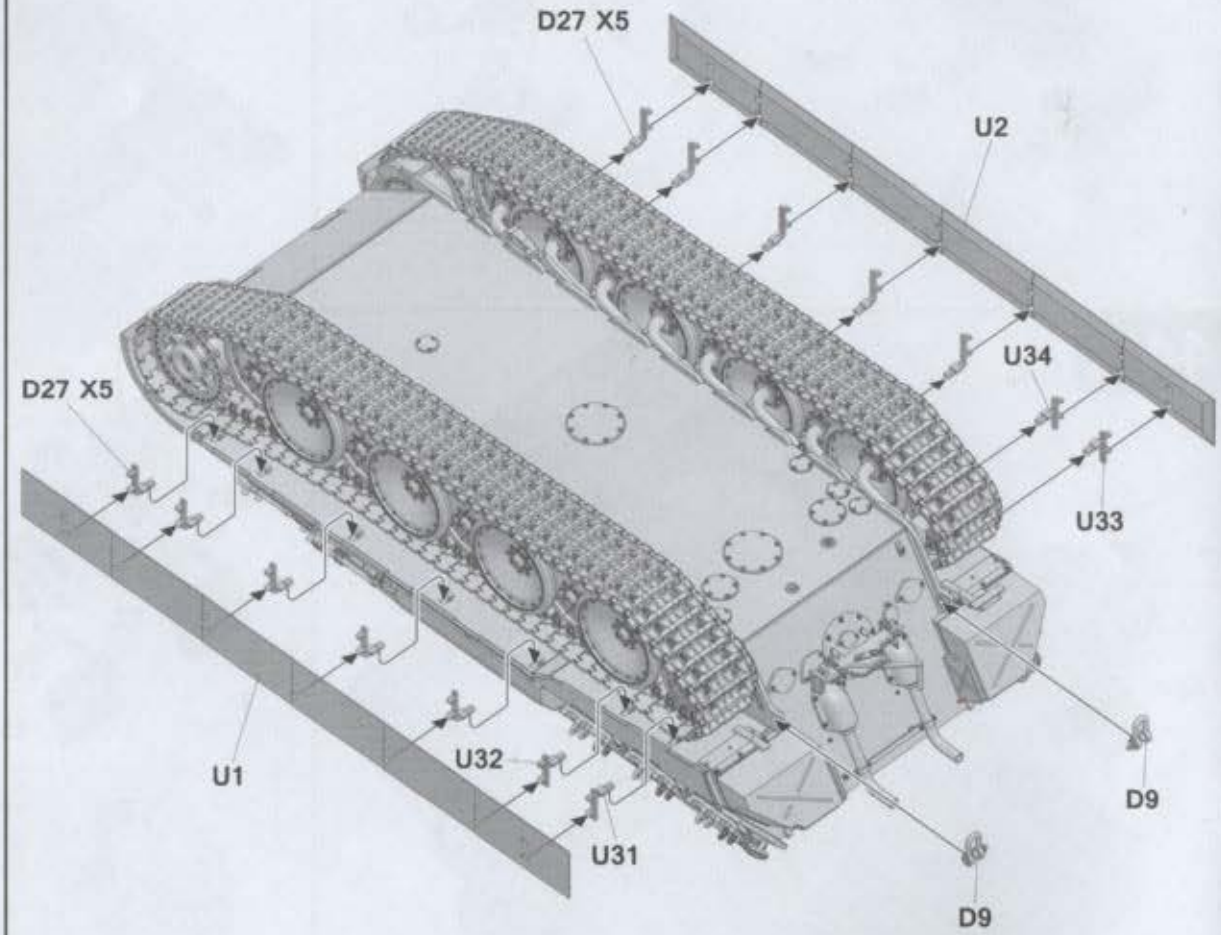
  
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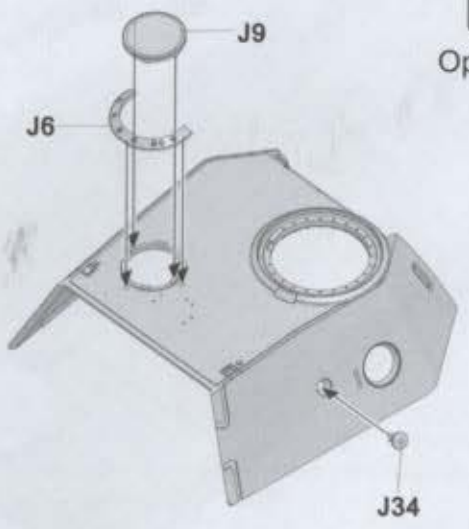
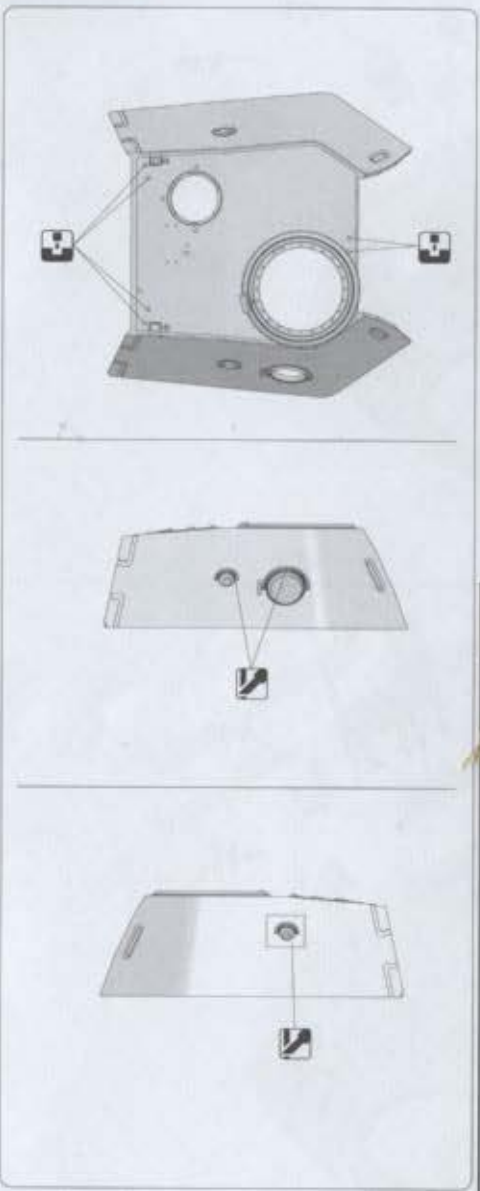
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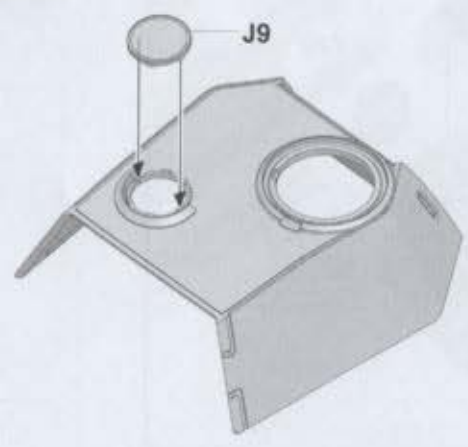
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# 46-1

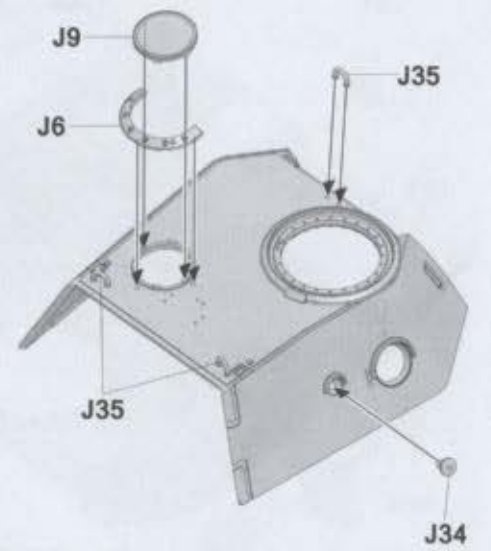


  
Optional

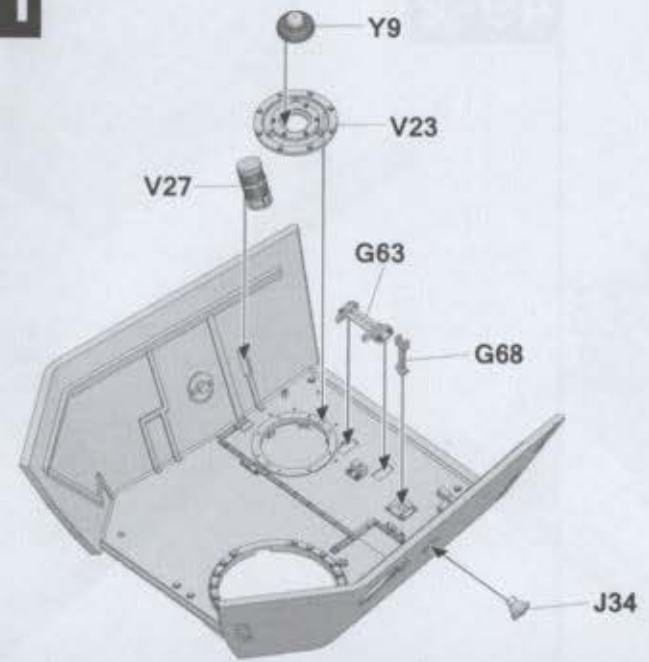


Transparent Turret

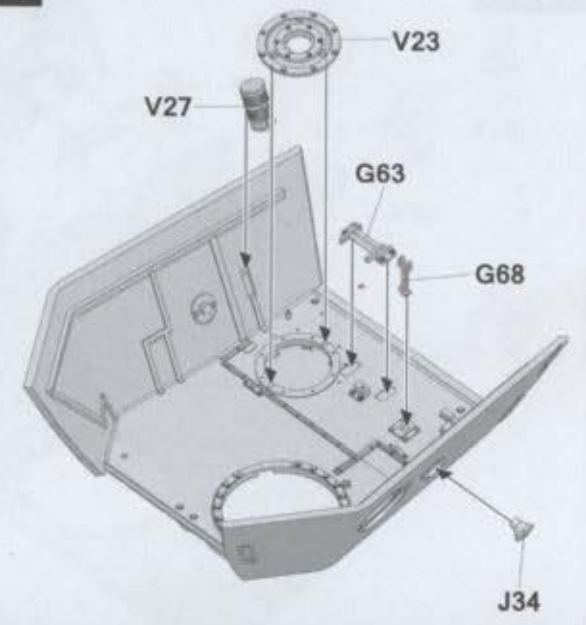
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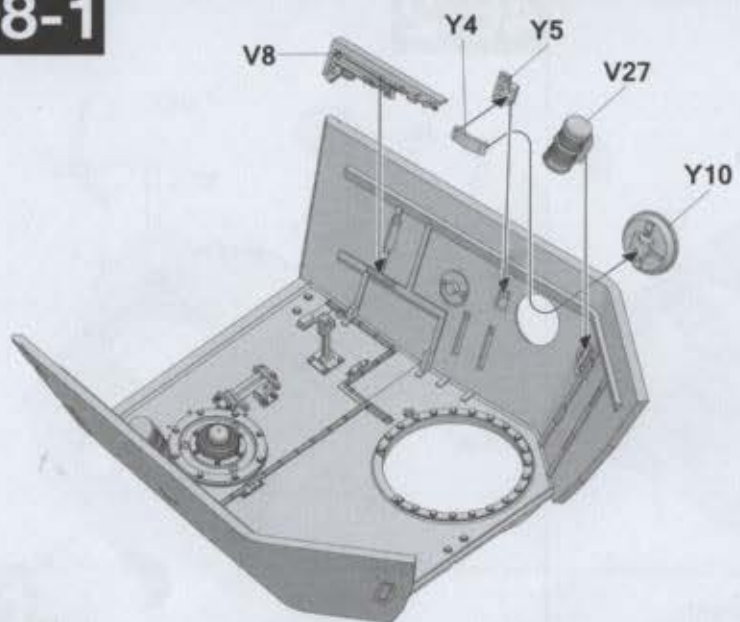
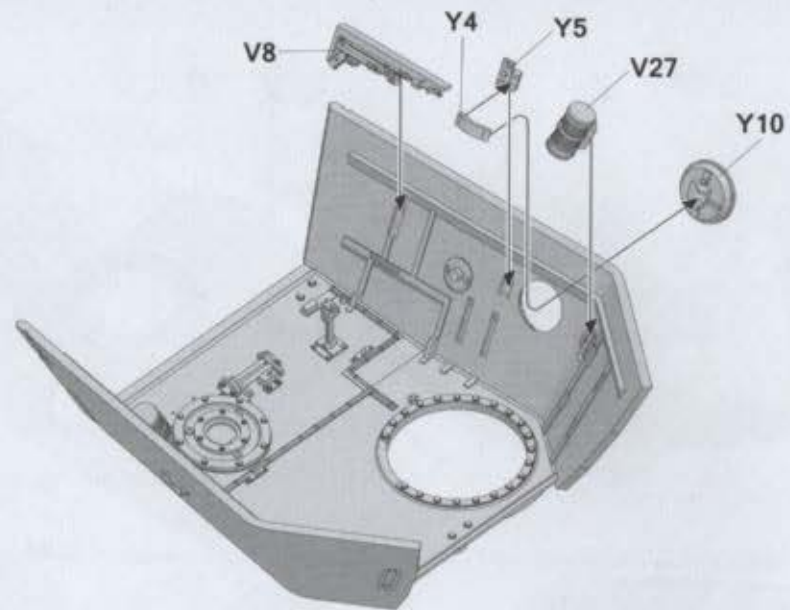
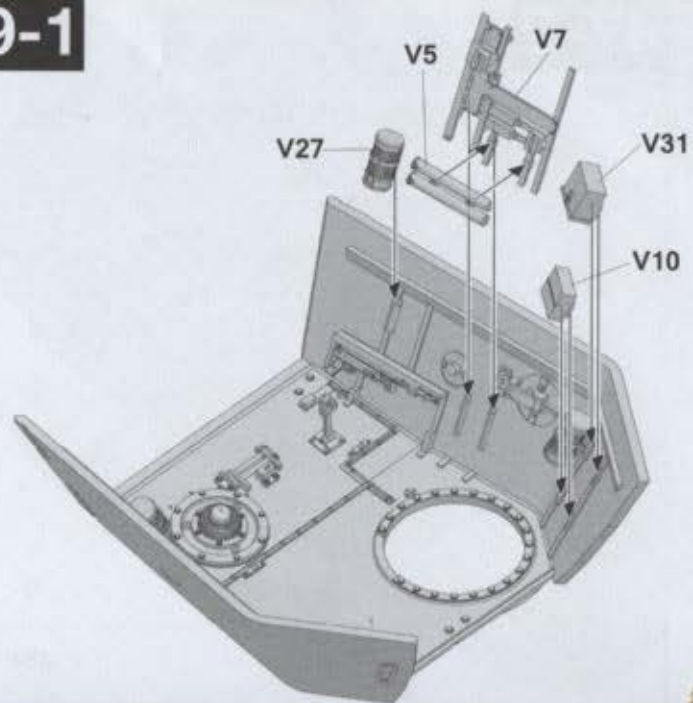
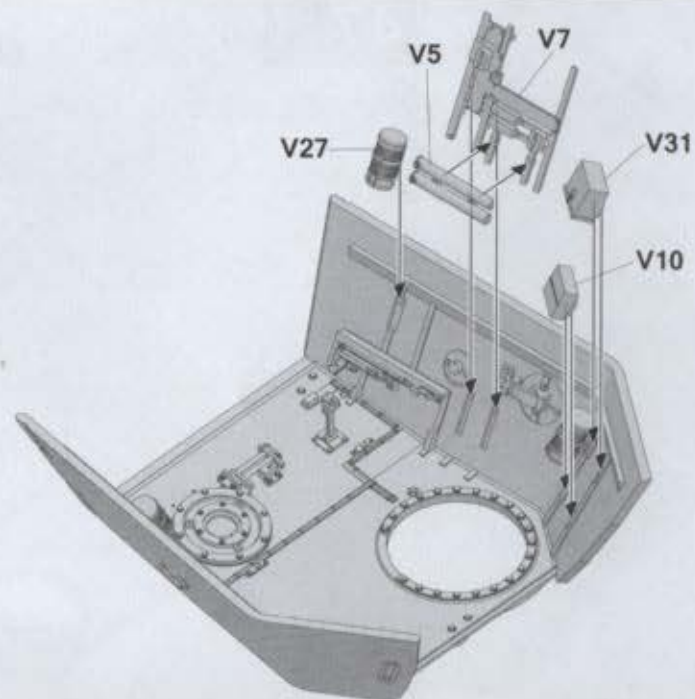
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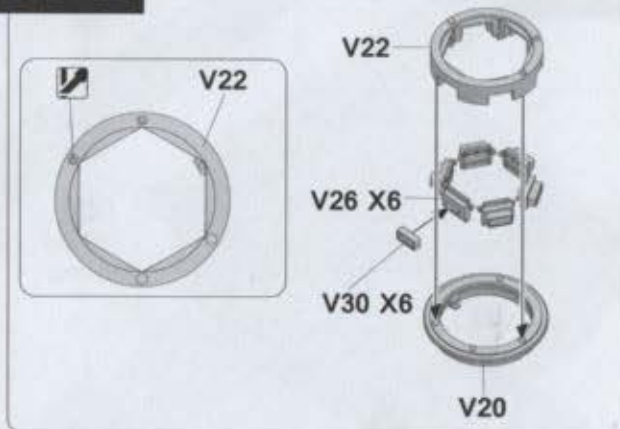
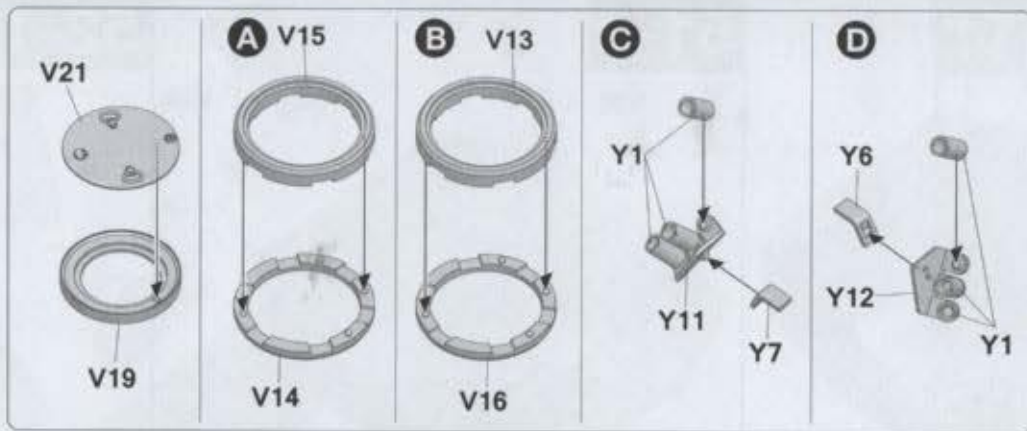
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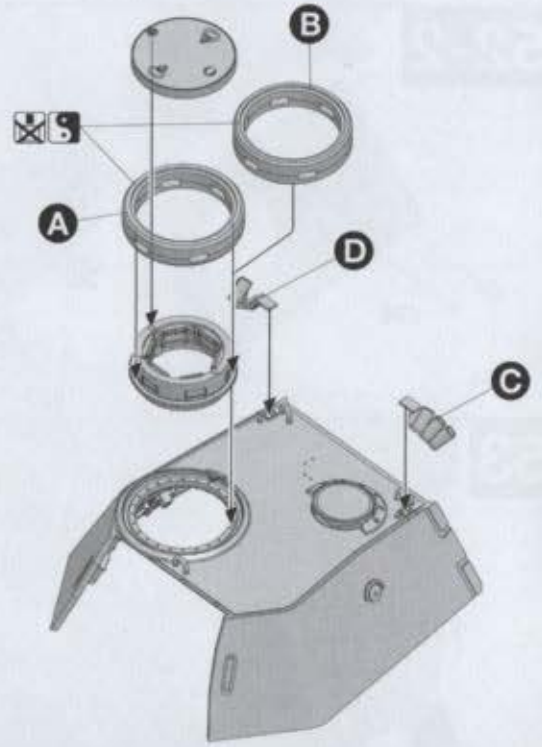
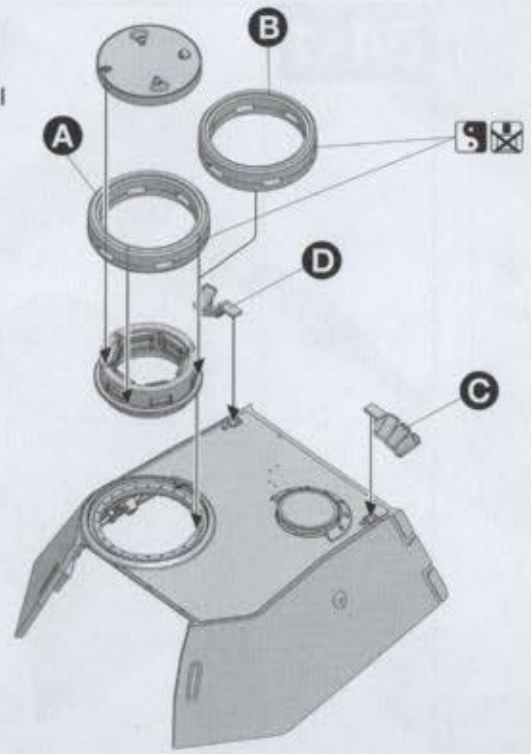
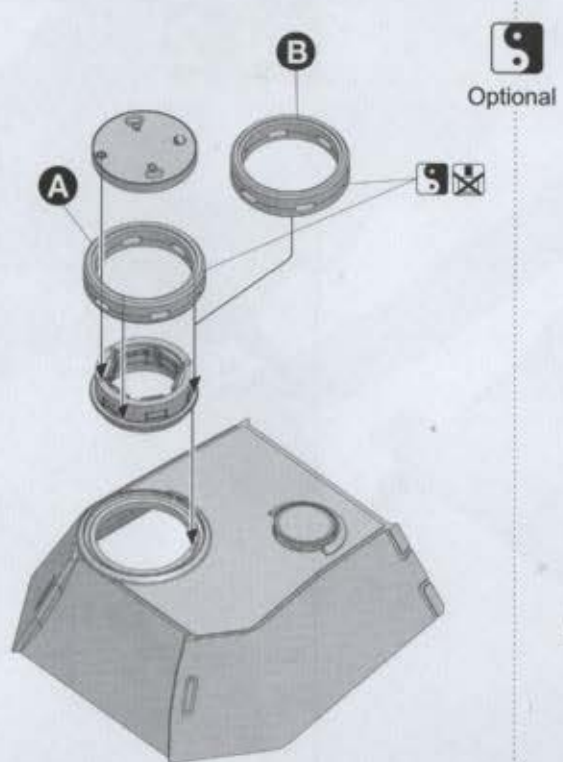
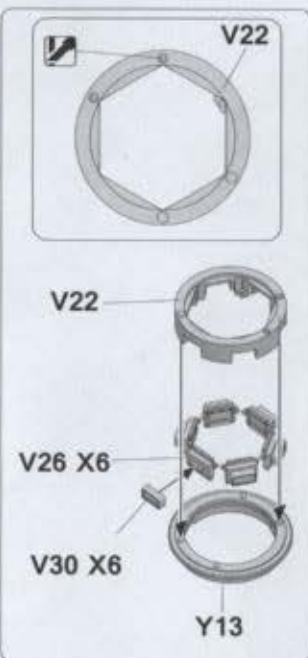


**48-1****48-2****49-1****49-2**

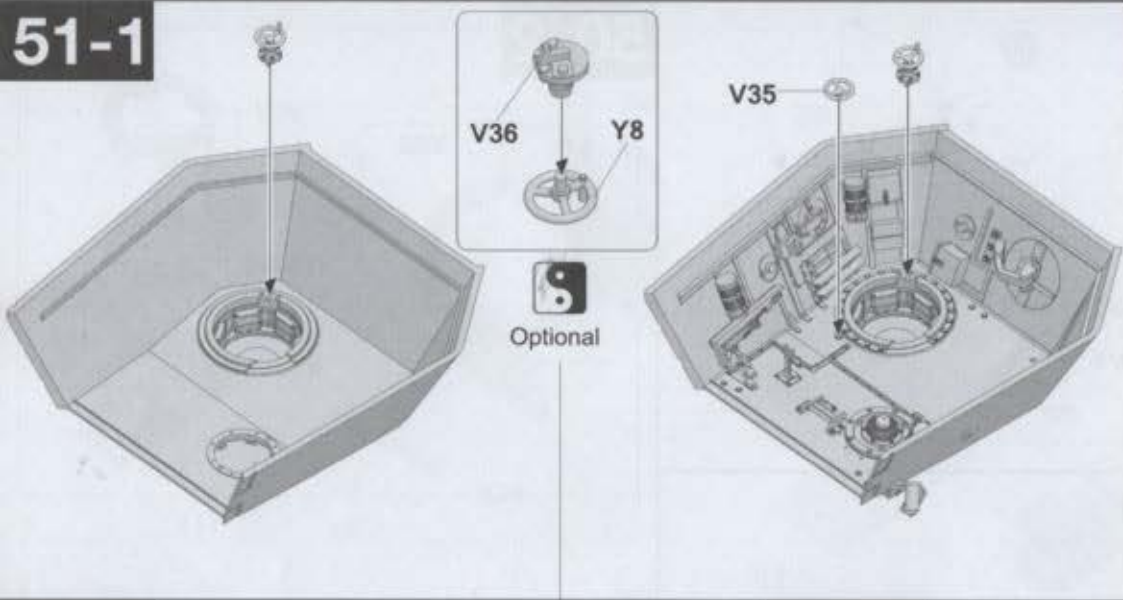
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# 50-1



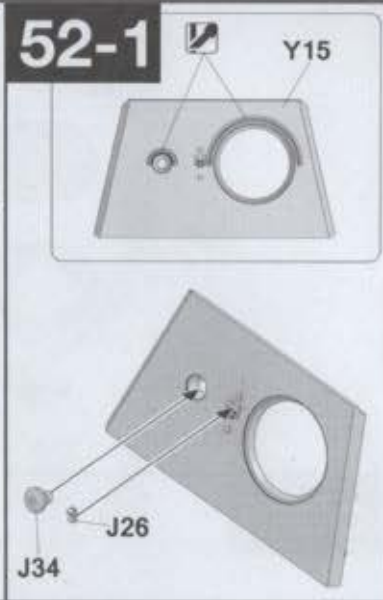
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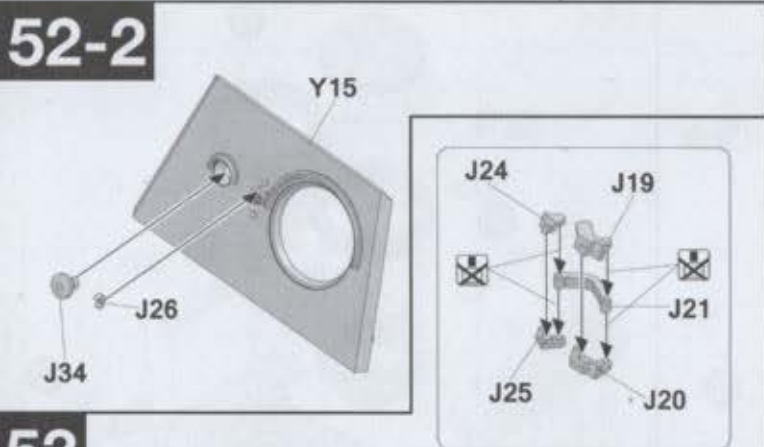
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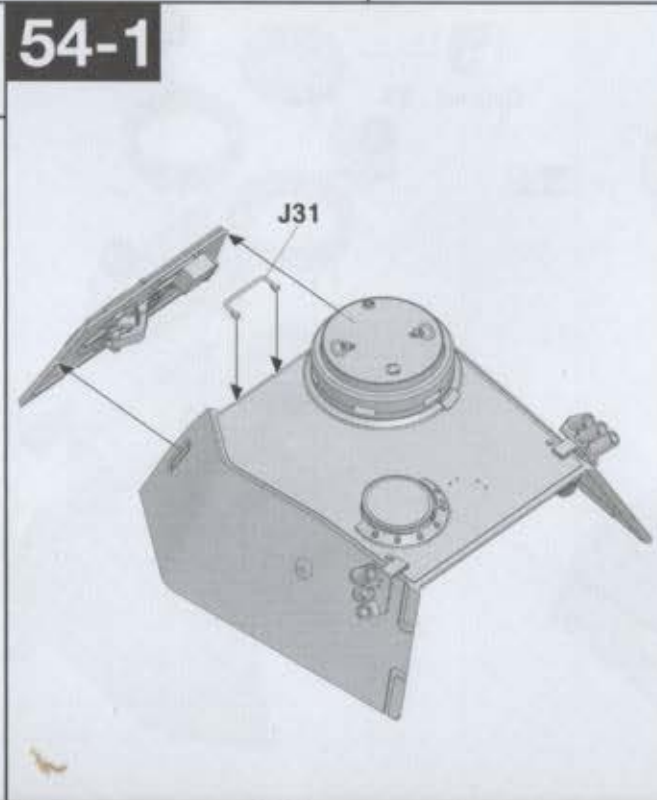
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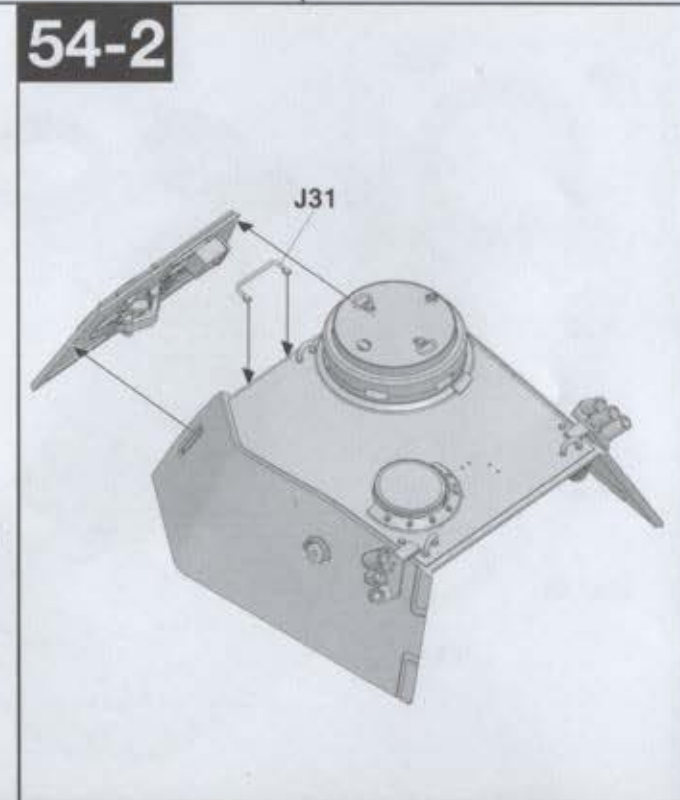
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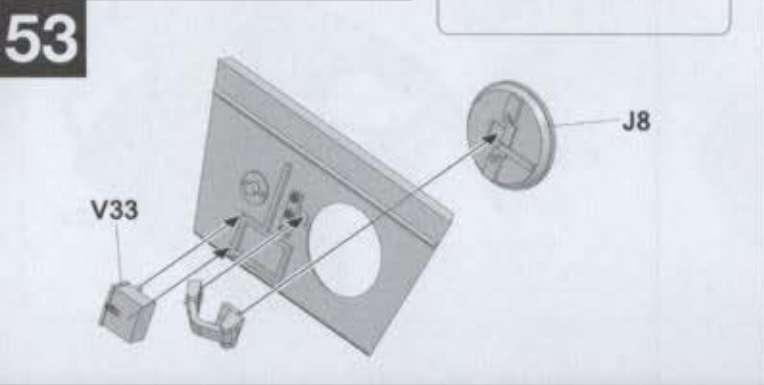
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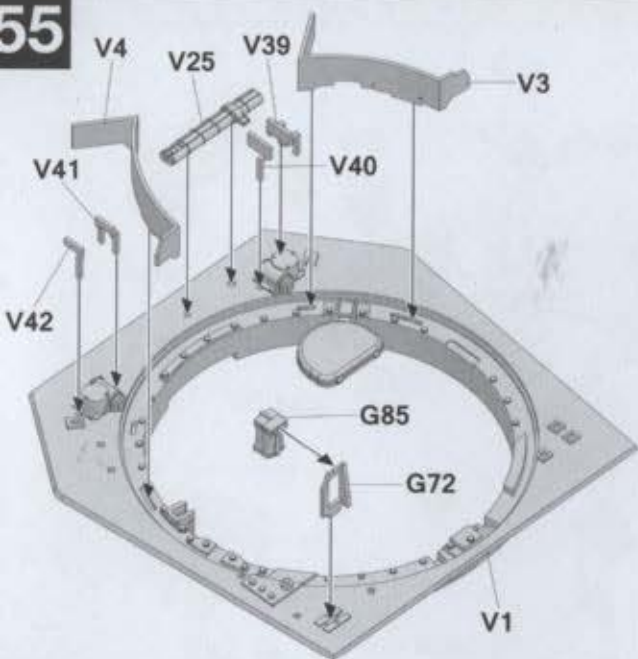
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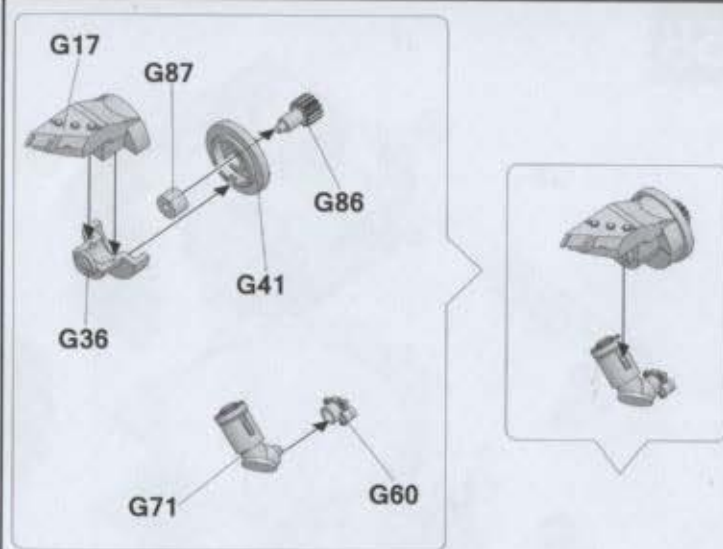
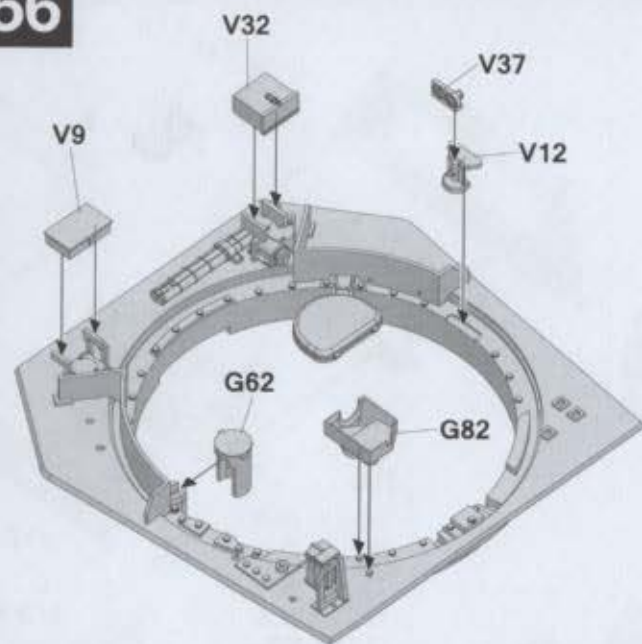
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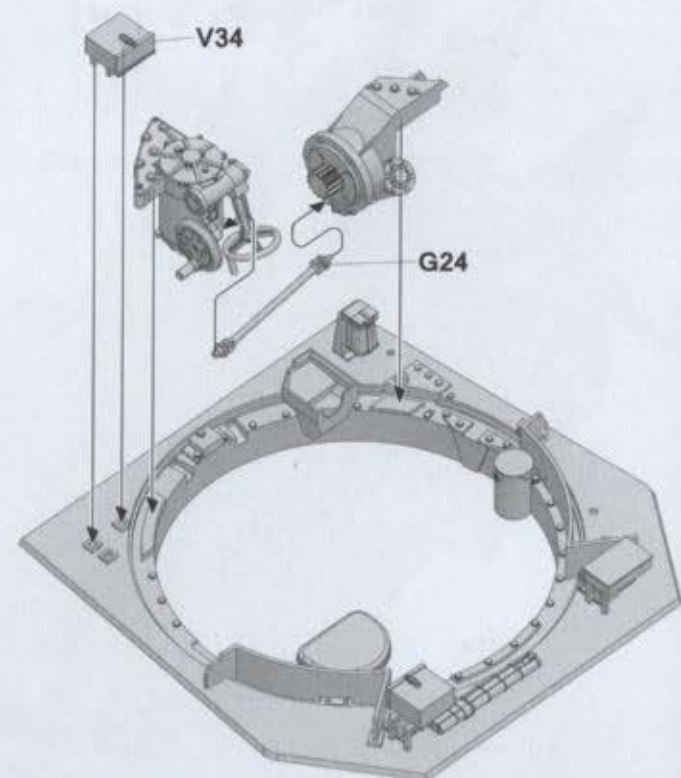
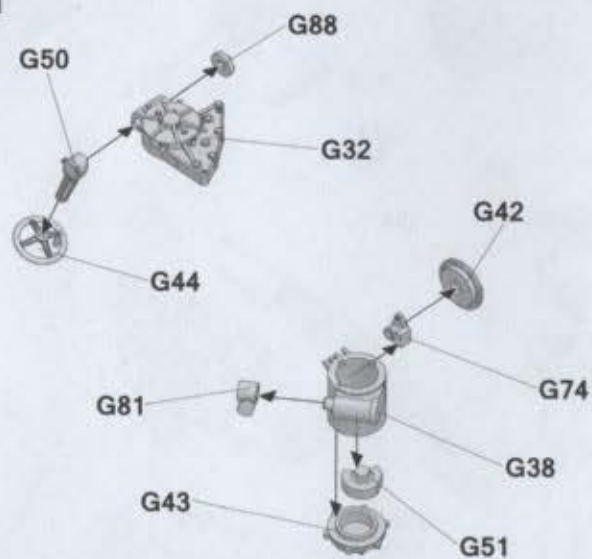
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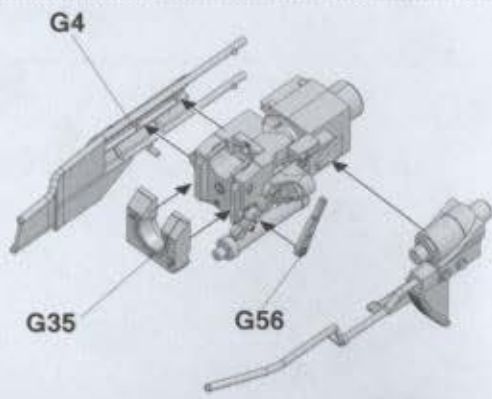
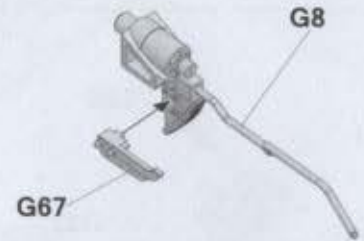
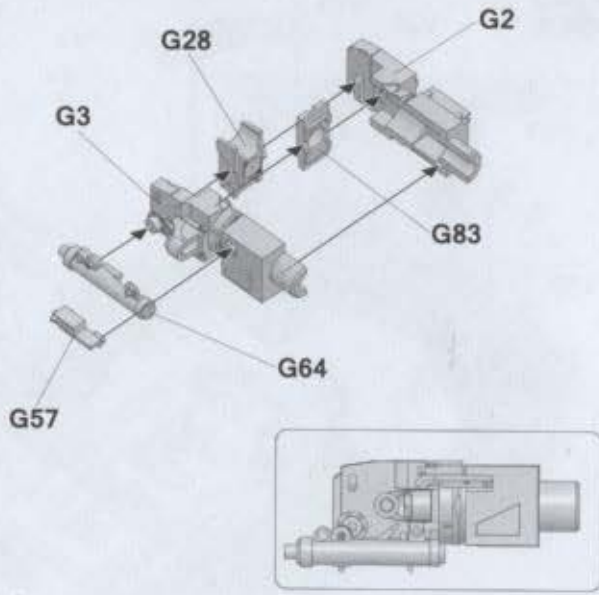
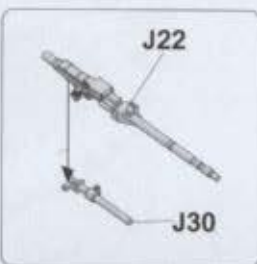
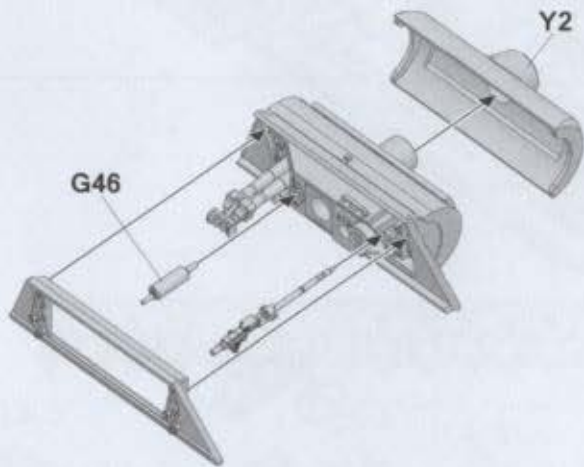
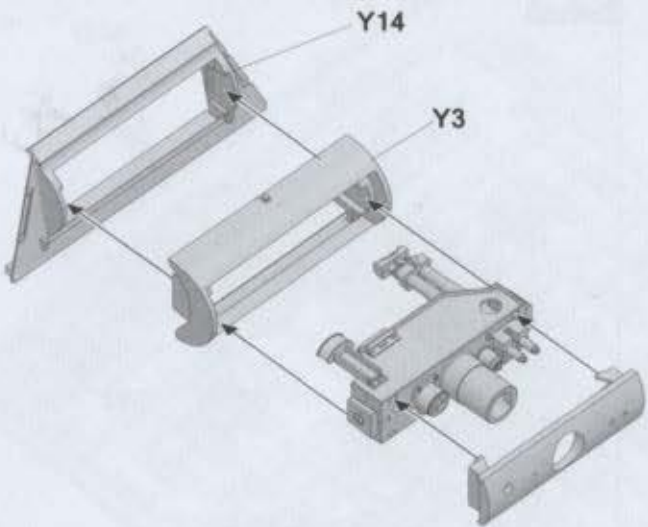
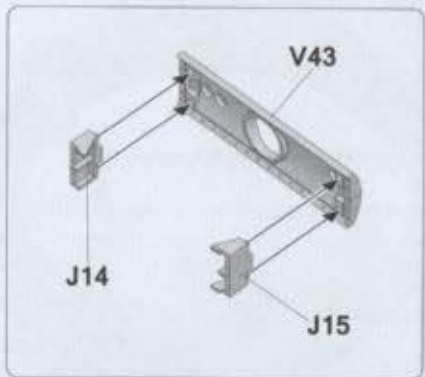
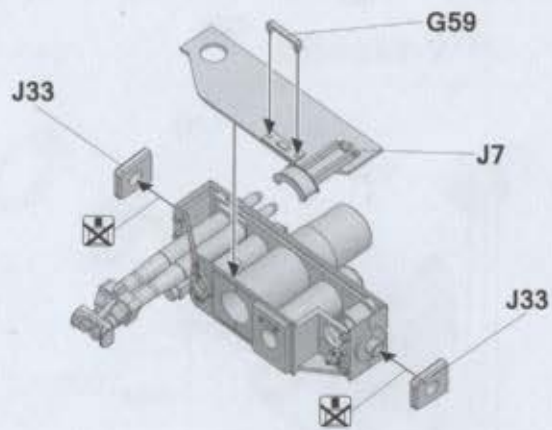
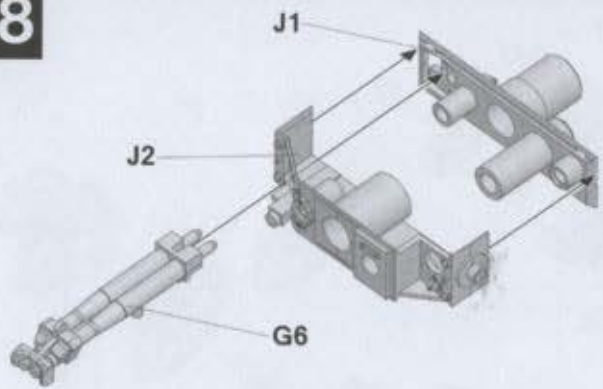


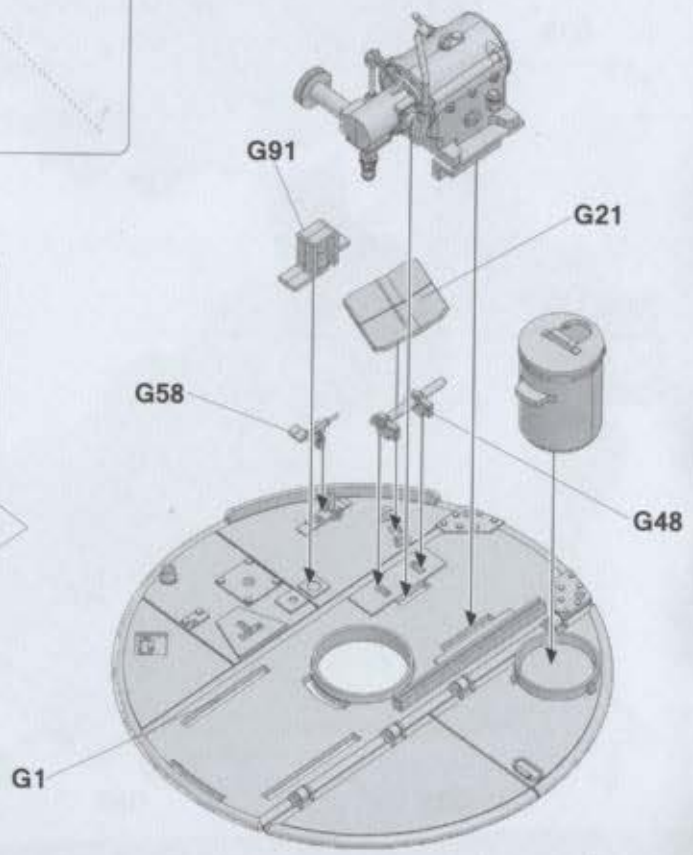
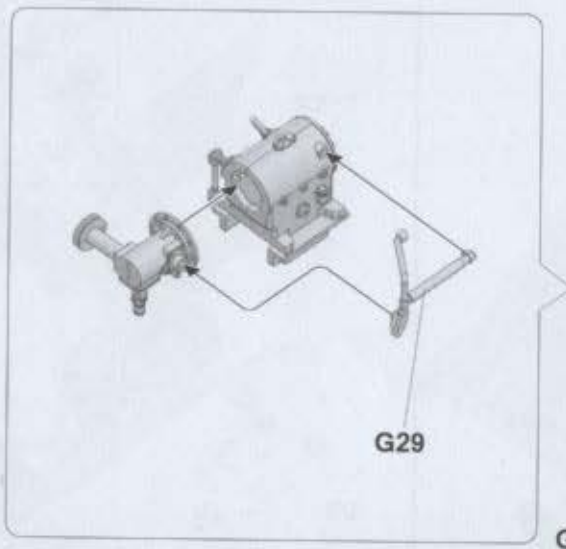
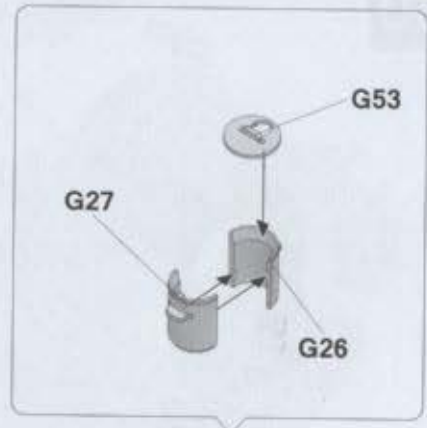
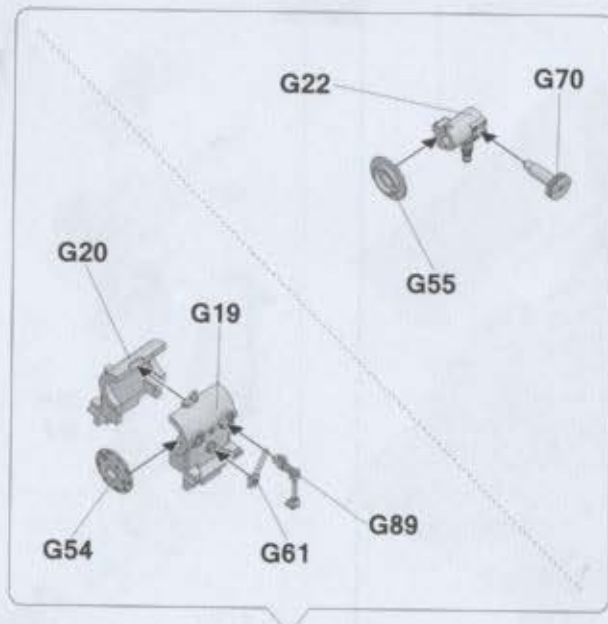
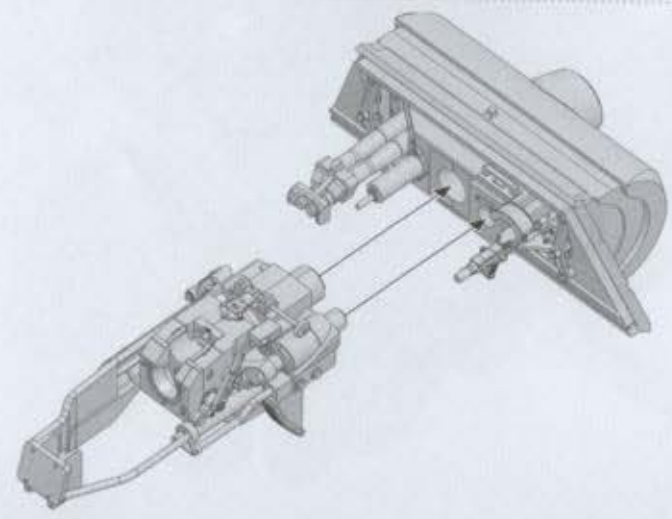
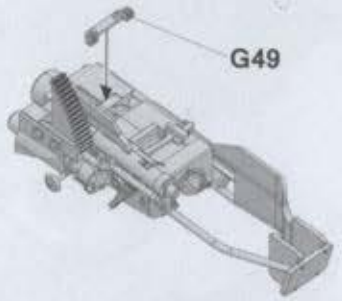
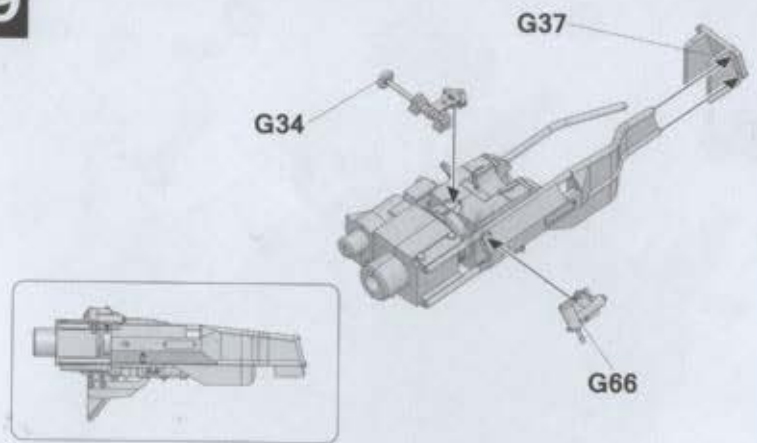
56



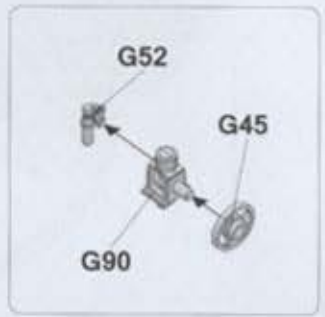
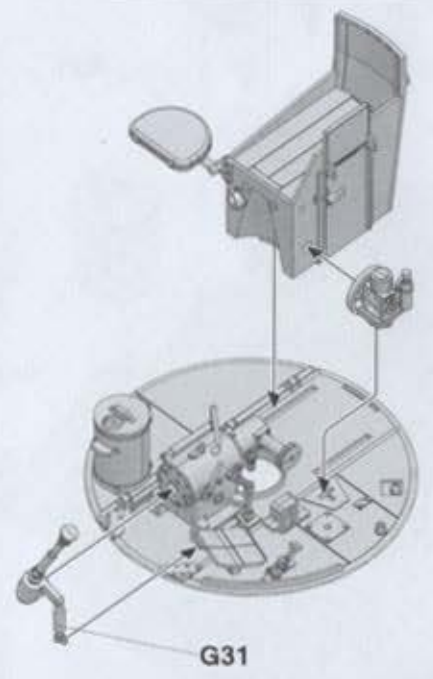
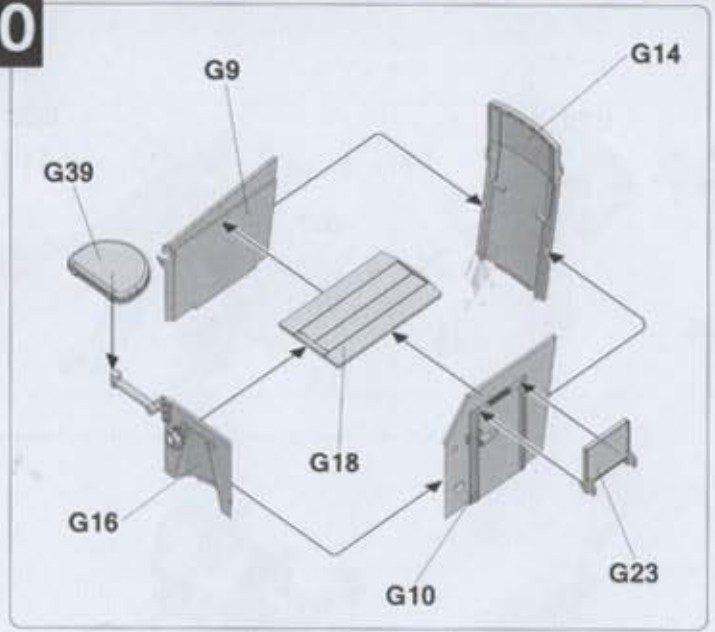
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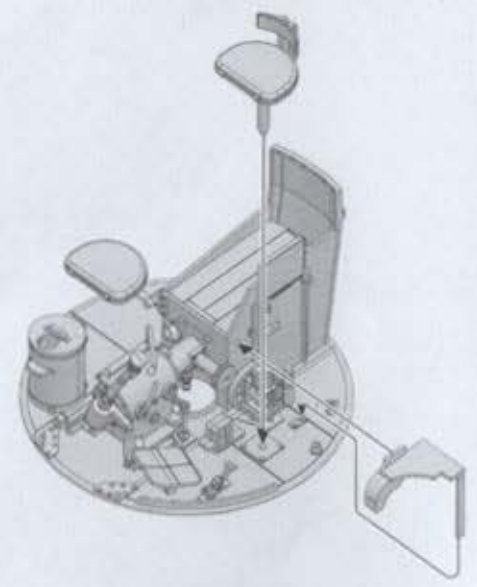
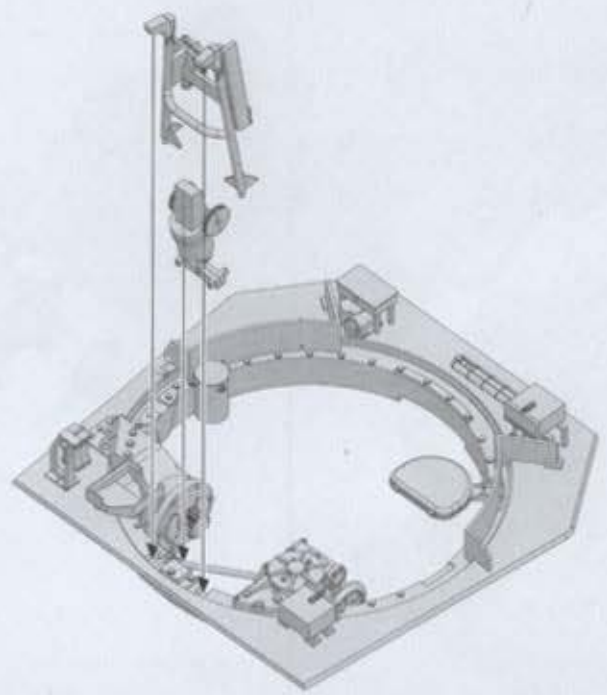
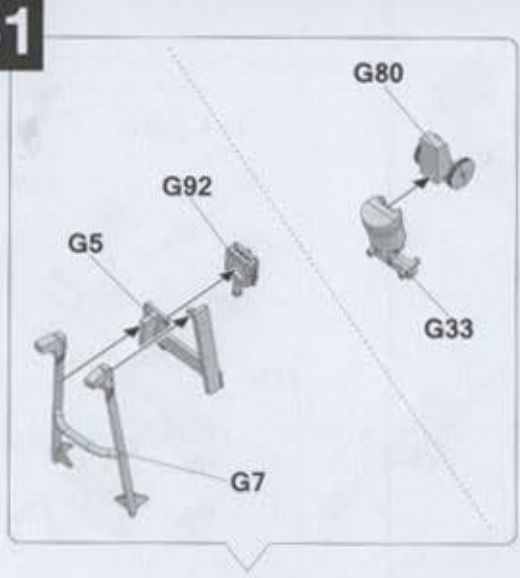




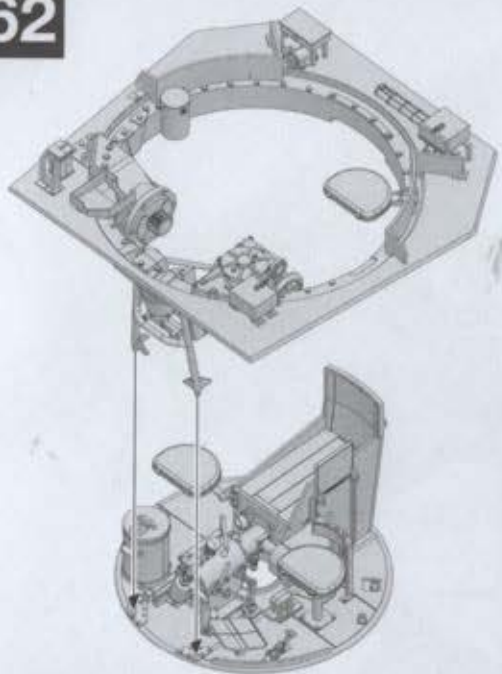
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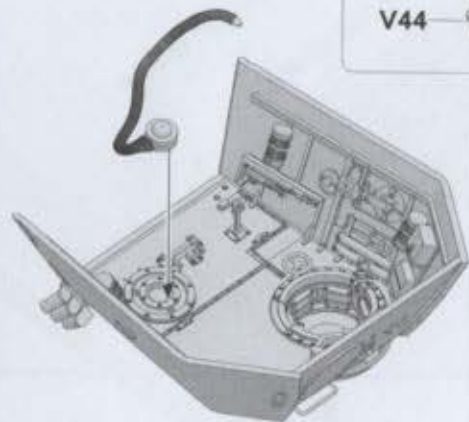
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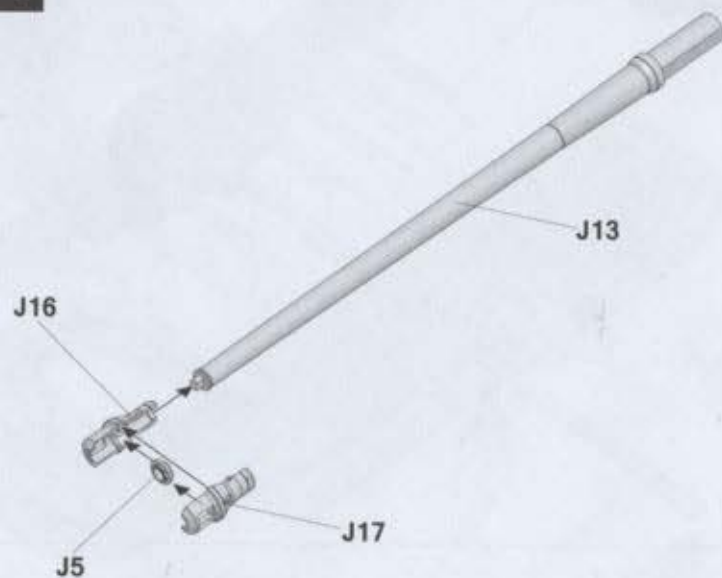
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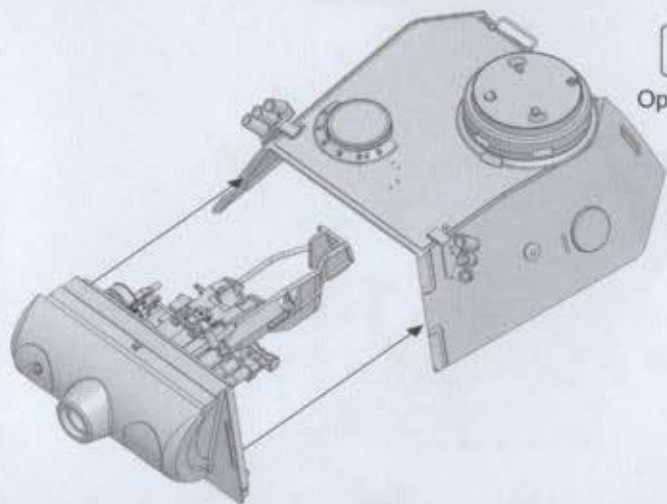
63-2



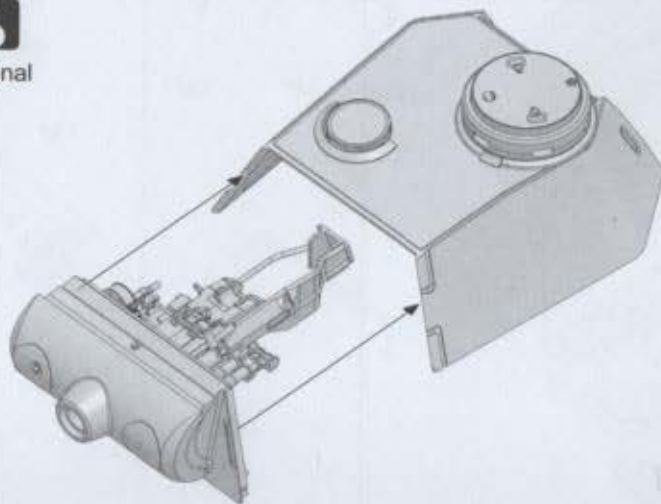
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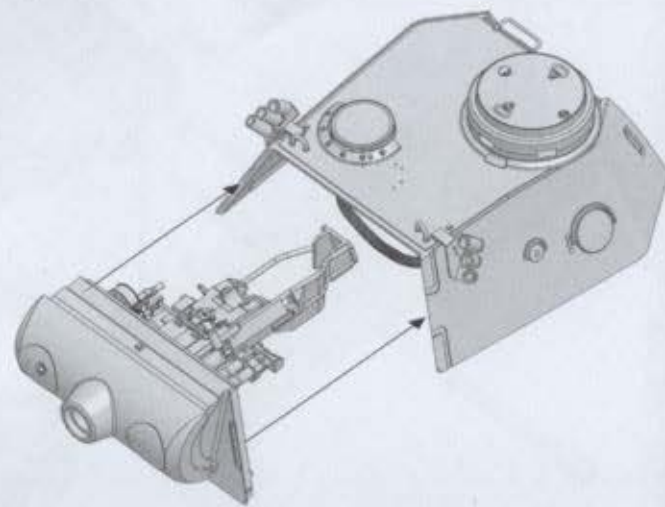
65-1



 Optional

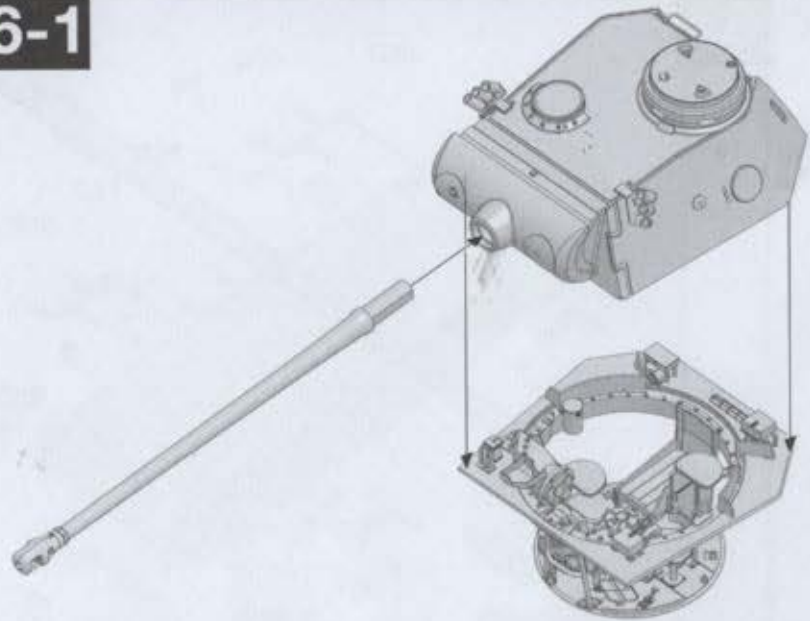


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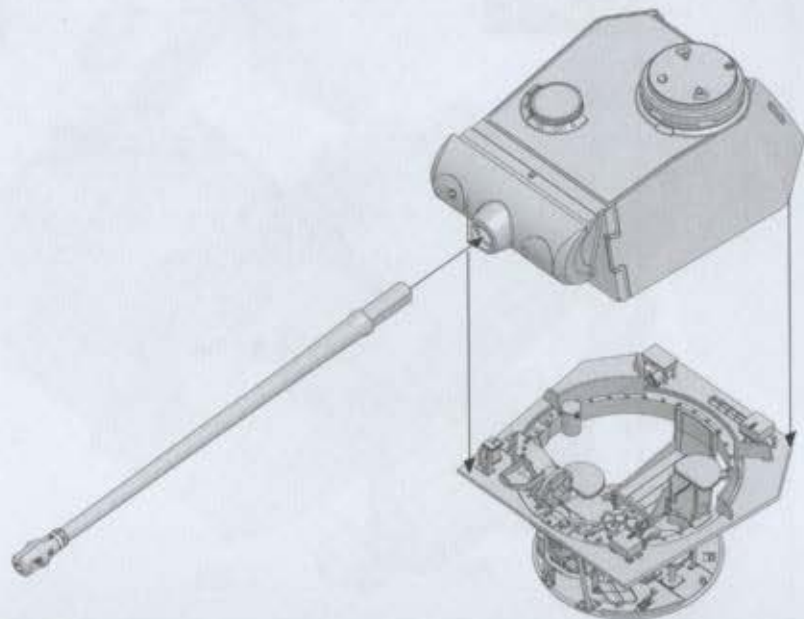




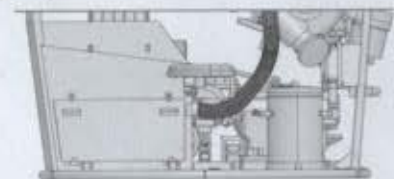
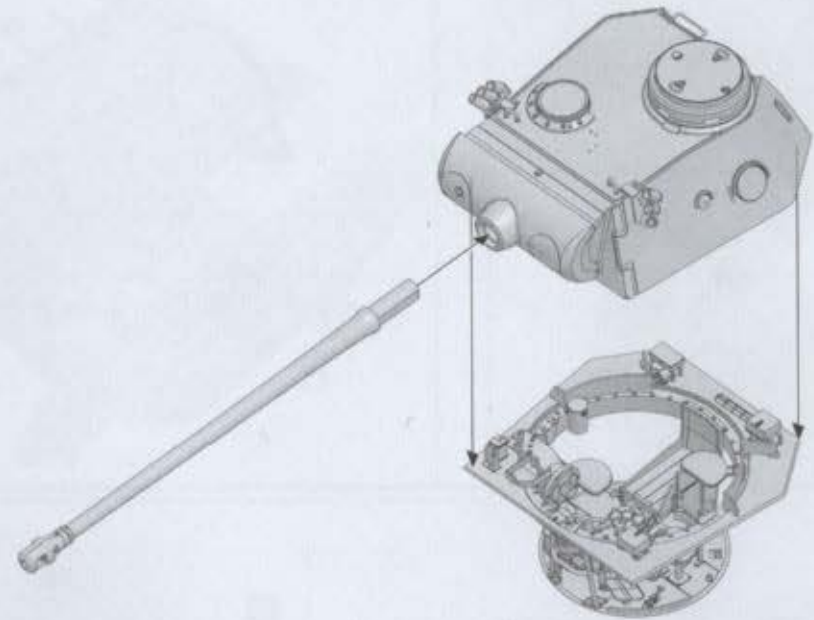
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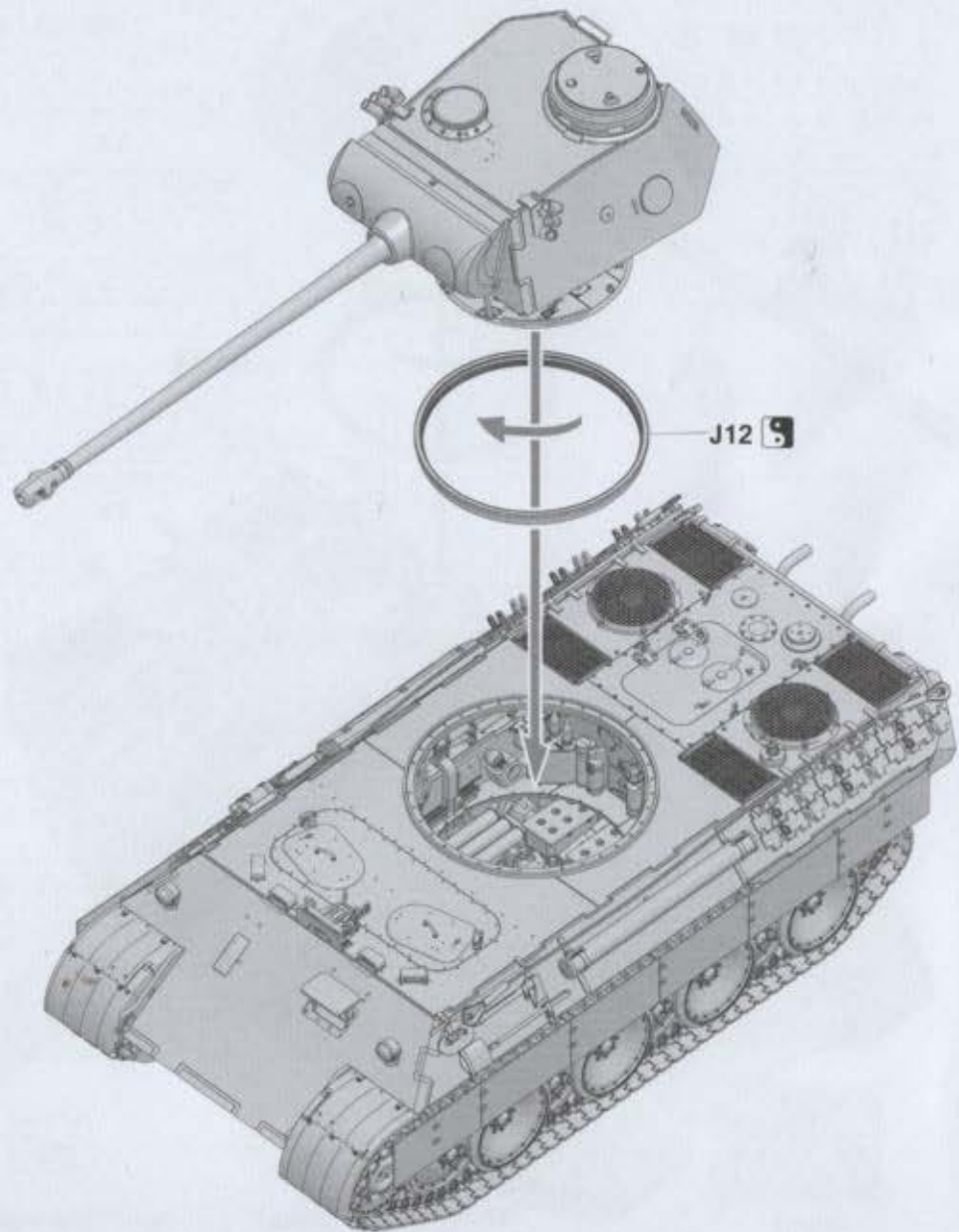
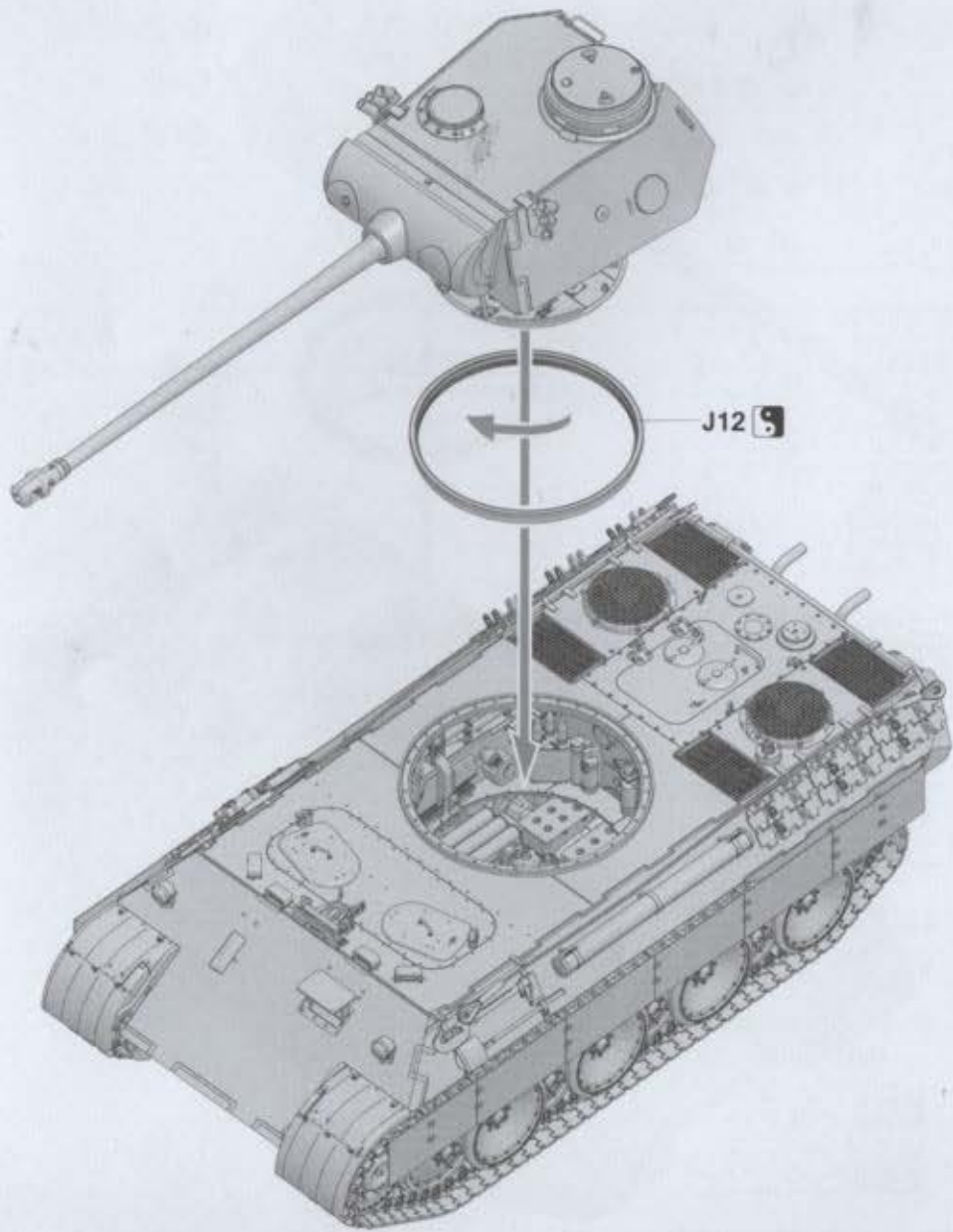
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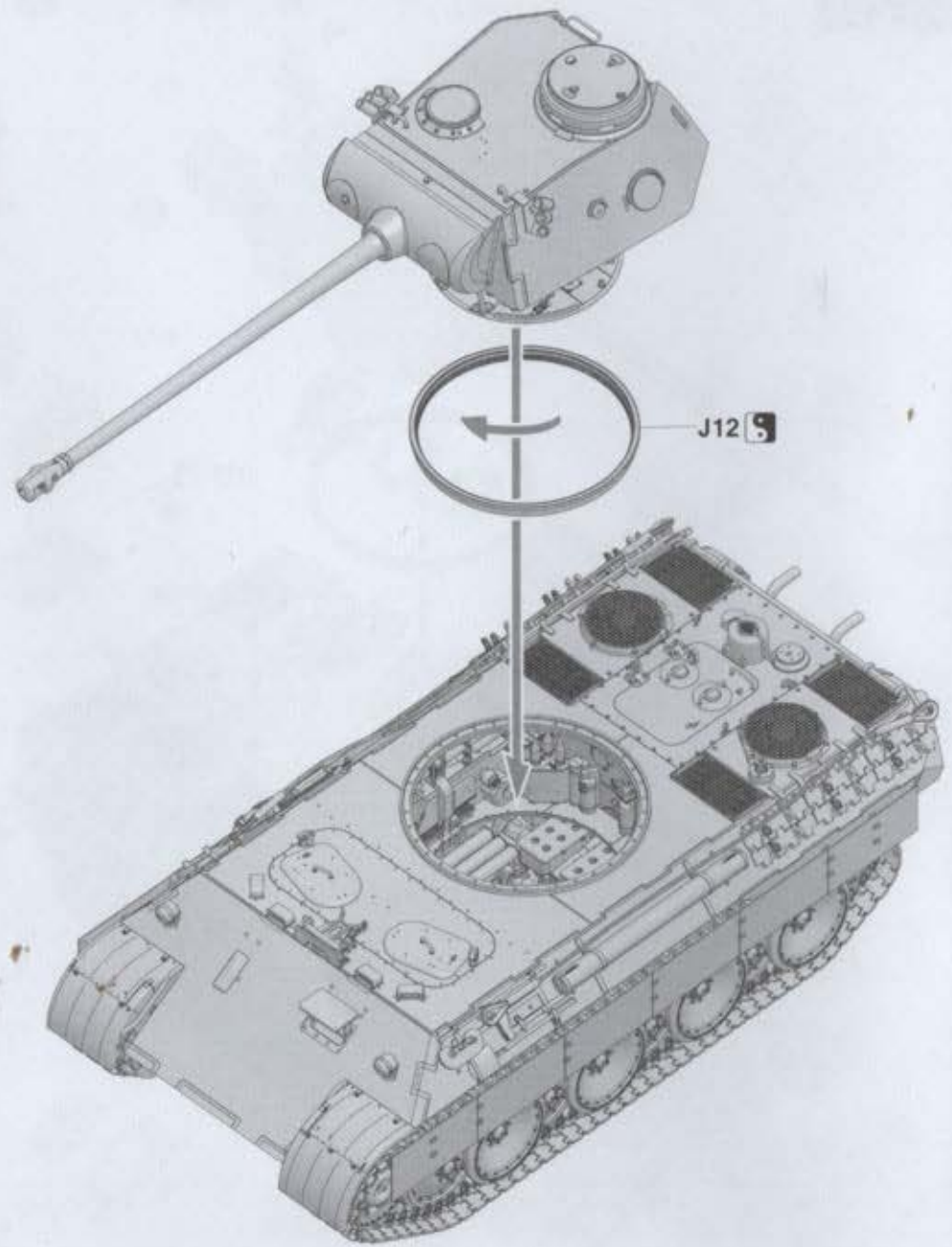
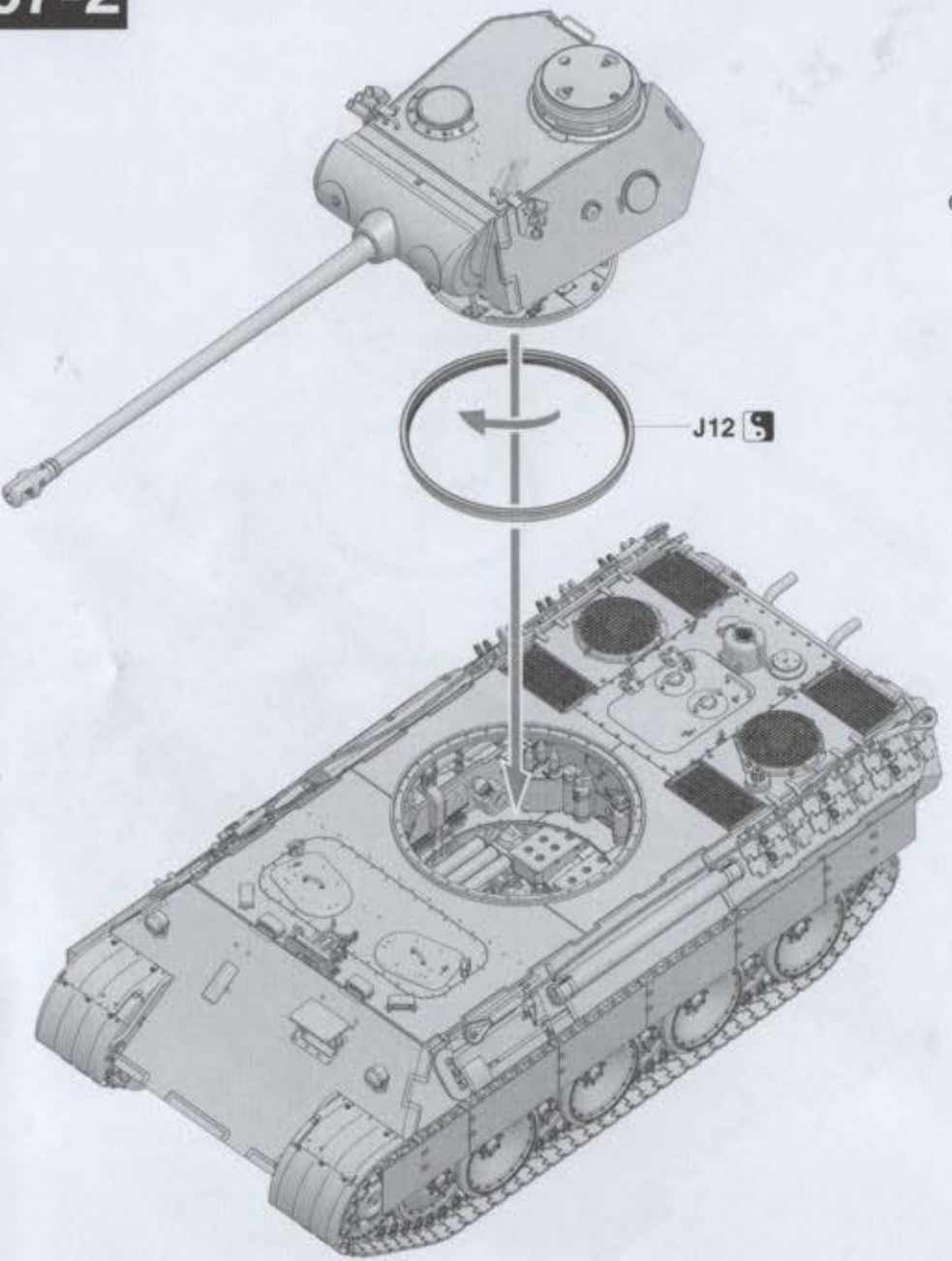
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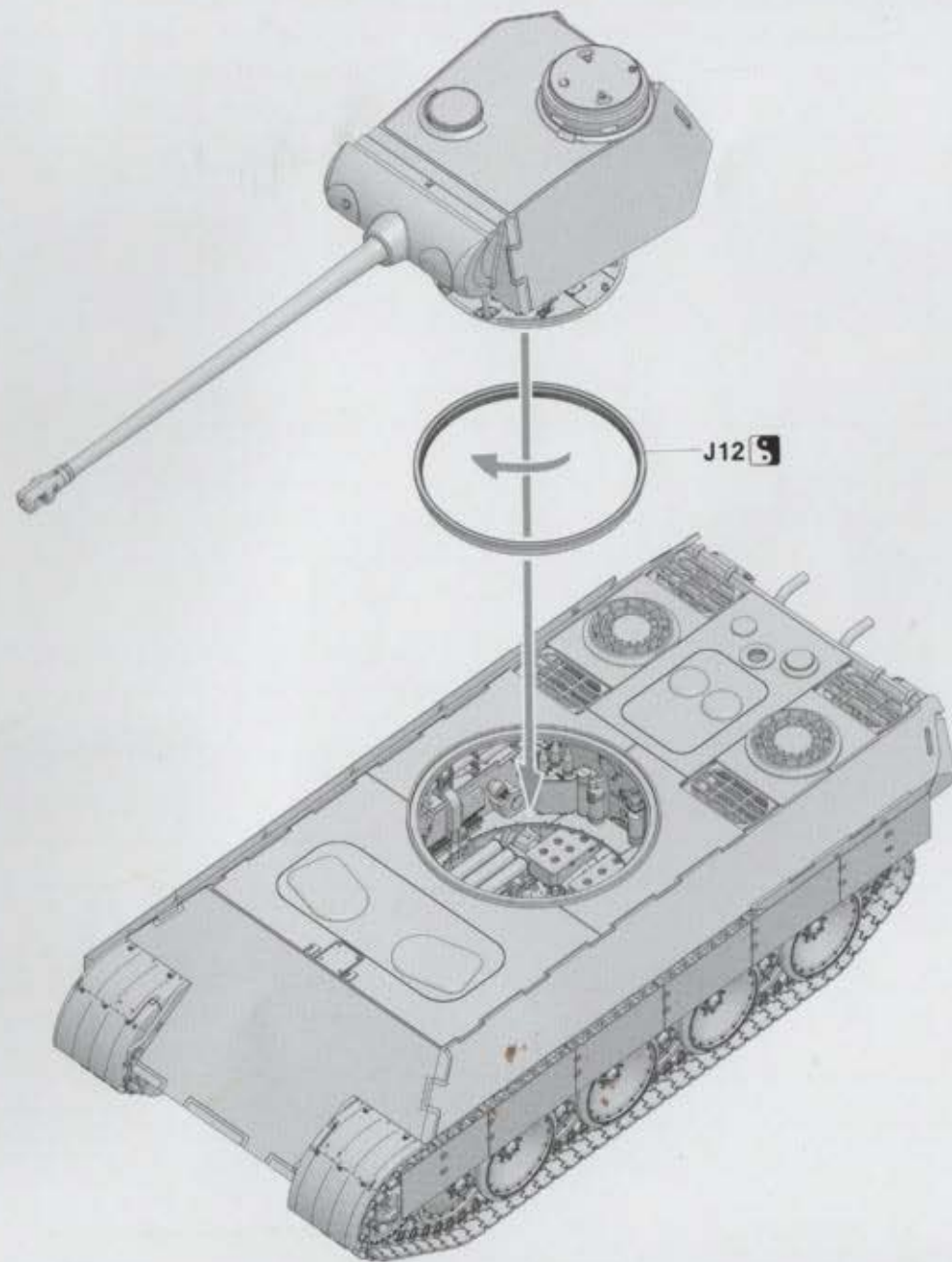


  
Optional



  
Optional





## Painting and Marking Guide

<b>A.MIG 033</b> Rubber & Tire	<b>A.MIG 031</b> Dark Tracks	<b>A.MIG 036</b> Old Wood	<b>A.MIG 038</b> Light Wood
<b>A.MIG 040</b> Medium Red	<b>A.MIG 045</b> Olive Green	<b>A.MIG 043</b> Copper Red	<b>A.MIG 096</b> Oiled Panzerace Green
<b>A.MIG 002</b> Dragon Gun 1	<b>A.MIG 010</b> Darklight Red var.	<b>A.MIG 015</b> Schwarzblau	

TAKOM Ref: 2103

Panther Ausf.D Early/Mid Production (2 in 1)

2nd Kompanie, Panzer Regiment 'Großdeutschland',  
Königsberg, September 1943.

## WEATHERING STEPS WITH AMMO PRODUCTS

- |  |  |  |  |
|--|--|--|--|
| <b>1 GENERAL WASH</b><br>A MIG 1000 Brush Wash for German Vehicles | <b>1 STRIPPING</b><br>A MIG 1203 Stripping Green | <b>1 TRACK WASH</b><br>A MIG 1302 Track Wash | <b>1 MUD &amp; SPLASHES</b><br>A MIG 1701 Thin Slur A.MIG 1702 Dry Earth |
| <b>2 FILTER</b><br>A MIG 1816 Toner for 2 tone colors              | <b>2 DIRT</b><br>A MIG 3013 Fluid                | <b>2 DIRT</b><br>A MIG 3013 Rubbed           | <b>2 GREASE &amp; OIL</b><br>A MIG 1408 Fresh Engine Oil                 |

## Painting and Marking Guide

<b>A.MIG 033</b> Rubber & Tire	<b>A.MIG 035</b> Dark Tracks	<b>A.MIG 036</b> Old Wood	<b>A.MIG 038</b> Light Wood
<b>A.MIG 040</b> Medium Red	<b>A.MIG 042</b> Gun Wood	<b>A.MIG 095</b> Copper Red	<b>A.MIG 096</b> Oiled Panzerace Green
<b>A.MIG 002</b> Dragon Gun 2	<b>A.MIG 010</b> Darklight Red var.	<b>A.MIG 015</b> Schwarzblau	

TAKOM Ref: 2103

Panther Ausf.D Early/Mid Production (2 in 1)

4th Kompanie, 31st Panzer Abteilung, 29th Panzer  
Regiment, Kursk, July 1943.

## WEATHERING STEPS WITH AMMO PRODUCTS

- |  |  |  |  |
|--|--|--|--|
| <b>1 GENERAL WASH</b><br>A MIG 1000 Brush Wash for German Vehicles | <b>1 STRIPPING</b><br>A MIG 1203 Stripping Green | <b>1 TRACK WASH</b><br>A MIG 1302 Track Wash | <b>1 MUD &amp; SPLASHES</b><br>A MIG 1701 Thin Slur A.MIG 1702 Dry Earth |
| <b>2 FILTER</b><br>A MIG 1816 Toner for 2 tone colors              | <b>2 DIRT</b><br>A MIG 3013 Fluid                | <b>2 DIRT</b><br>A MIG 3013 Rubbed           | <b>2 GREASE &amp; OIL</b><br>A MIG 1408 Fresh Engine Oil                 |

## Painting and Marking Guide

**TAKOM** Ref: 2103

Panther Ausf. D Early/Mid Production (2 in 1)

8th Kompanie, 32nd Panzer Abteilung, 39th Panzer Regiment, Korak, July 1943.



### WEATHERING STEPS WITH AMMO PRODUCTS

- |   |   |   |  |
|---|---|---|--|
| <b>1 GENERAL WASH</b><br>A.MIG-100 Brown Wash for Desert Yellow | <b>2 STREAKING</b><br>A.MIG-120 Streaking Glaze | <b>3 TRACK WEAR</b><br>A.MIG-100 Track Wash | <b>4 RUST &amp; SPLATTERS</b><br>A.MIG-170 Rust Sol. A.MIG-170 Dry Earth |
| <b>5 RUST</b><br>A.MIG-1010 Rust for 3 tone rust                | <b>6 DIRT</b><br>A.MIG-2010 Dirt                | <b>7 DIRT</b><br>A.MIG-2010 Rust            | <b>8 GREASE &amp; OIL</b><br>A.MIG-1400 Fresh Engine Oil                 |

## Painting and Marking Guide

**TAKOM** Ref: 2103

Panther Ausf. D Early/Mid Production (2 in 1)

1st Kompanie, "Draufgeschicht" Panzer Regiment, Karacher, August 1943

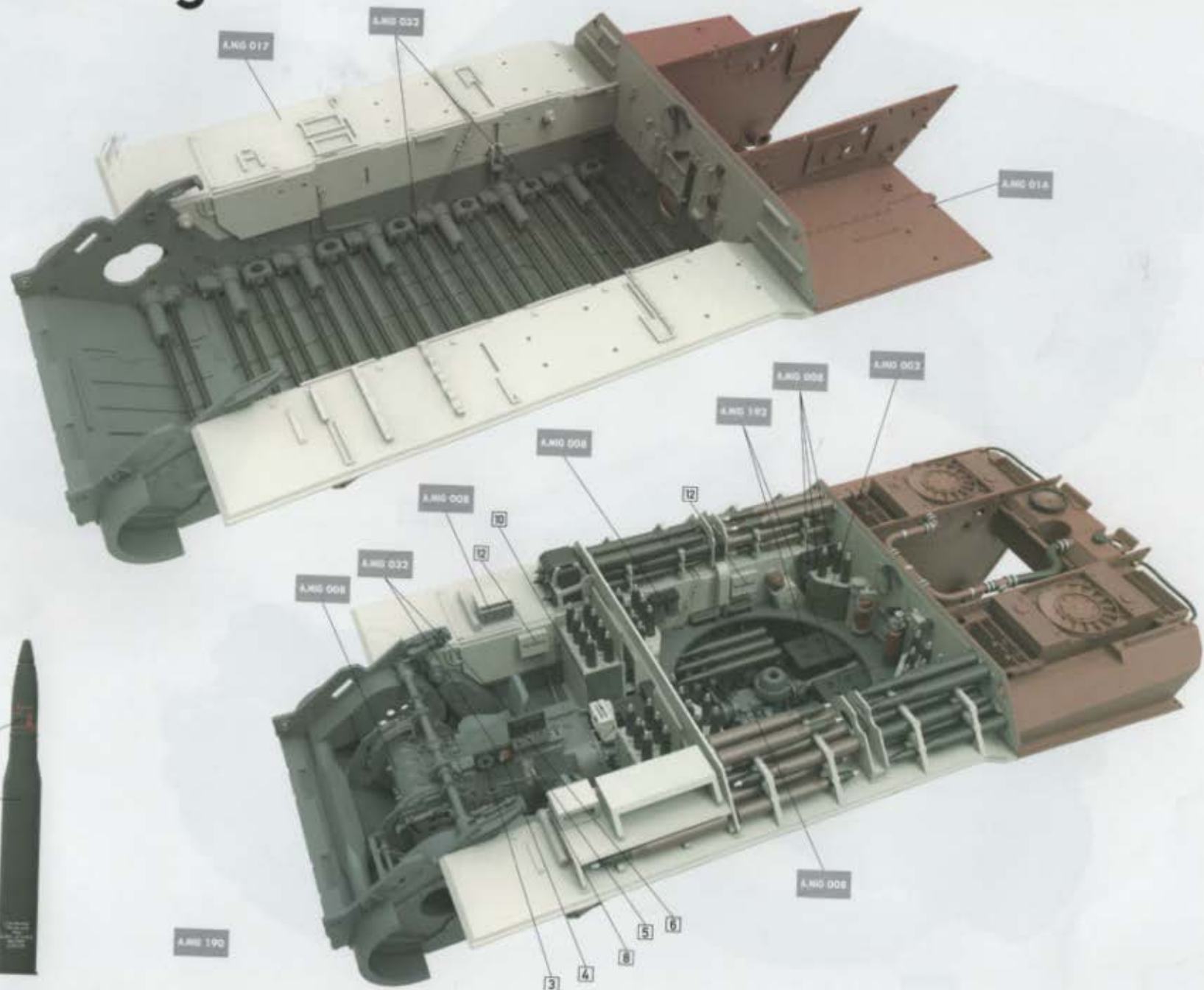


### WEATHERING STEPS WITH AMMO PRODUCTS

- |   |   |   |  |
|---|---|---|--|
| <b>1 GENERAL WASH</b><br>A.MIG-100 Brown Wash for Desert Yellow | <b>2 STREAKING</b><br>A.MIG-120 Streaking Glaze | <b>3 TRACK WASH</b><br>A.MIG-100 Track Wash | <b>4 RUST &amp; SPLATTERS</b><br>A.MIG-170 Rust Sol. A.MIG-170 Dry Earth |
| <b>5 RUST</b><br>A.MIG-1010 Rust for 3 tone rust                | <b>6 DIRT</b><br>A.MIG-2010 Dirt                | <b>7 DIRT</b><br>A.MIG-2010 Rust            | <b>8 GREASE &amp; OIL</b><br>A.MIG-1400 Fresh Engine Oil                 |

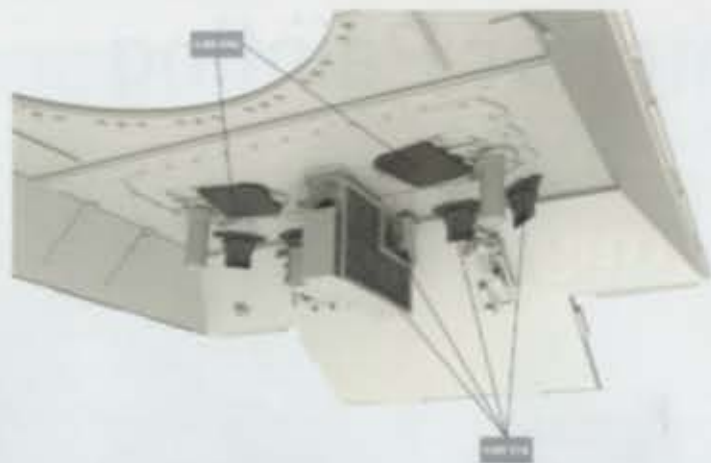
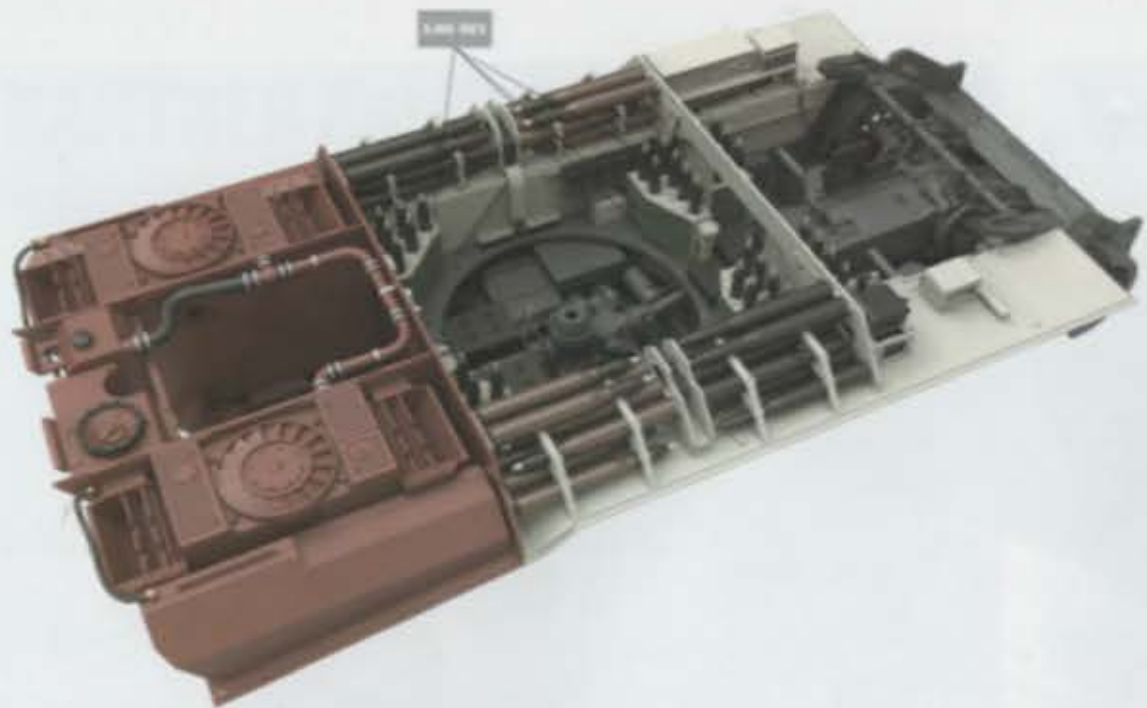
# Interior Painting

Color info and profiles by









# PANTHER Ausf.D LATE Production w/Zimmerit

A DETAILED SCALE MODEL OF THE MOST FAMOUS  
 A TANK DESIGNER TO JOIN WITH THE USE OF AN  
 A TANK & LAUNCHER OF THE TANK'S MAIN GUN  
 A FULLY EQUIPPED TURRET WITH 100mm GUN  
 A FULLY EQUIPPED TURRET WITH 100mm GUN  
 A FULLY EQUIPPED TURRET WITH 100mm GUN  
 A FULLY EQUIPPED TURRET WITH 100mm GUN

Zimmerit Pattern  
 Created by  
**JASON**  
 Designed by  
 Alex Tsuboi  
 by **TRX**

**Full Interior**

**1/35**  
 No. 2114

# SOVIET HEAVY TANK SMK

THE MOST A TANK  
 A DETAILED SCALE MODEL OF THE MOST FAMOUS  
 ALL PARTS CAN BE USED IN OTHER TAKOM MODELS  
 A FULLY EQUIPPED TURRET WITH 100mm GUN  
 A FULLY EQUIPPED TURRET WITH 100mm GUN  
 A FULLY EQUIPPED TURRET WITH 100mm GUN

Designed by  
 Alex Tsuboi  
 by **TRX**

**1/35**  
 No. 2117

# M3A1 LEE

US MEDIUM TANK  
 A DETAILED SCALE MODEL OF THE MOST FAMOUS  
 A FULLY EQUIPPED TURRET WITH 75mm GUN  
 A FULLY EQUIPPED TURRET WITH 75mm GUN  
 A FULLY EQUIPPED TURRET WITH 75mm GUN

Designed by  
 Alex Tsuboi  
 by **TRX**

**1/35**  
 No. 2114

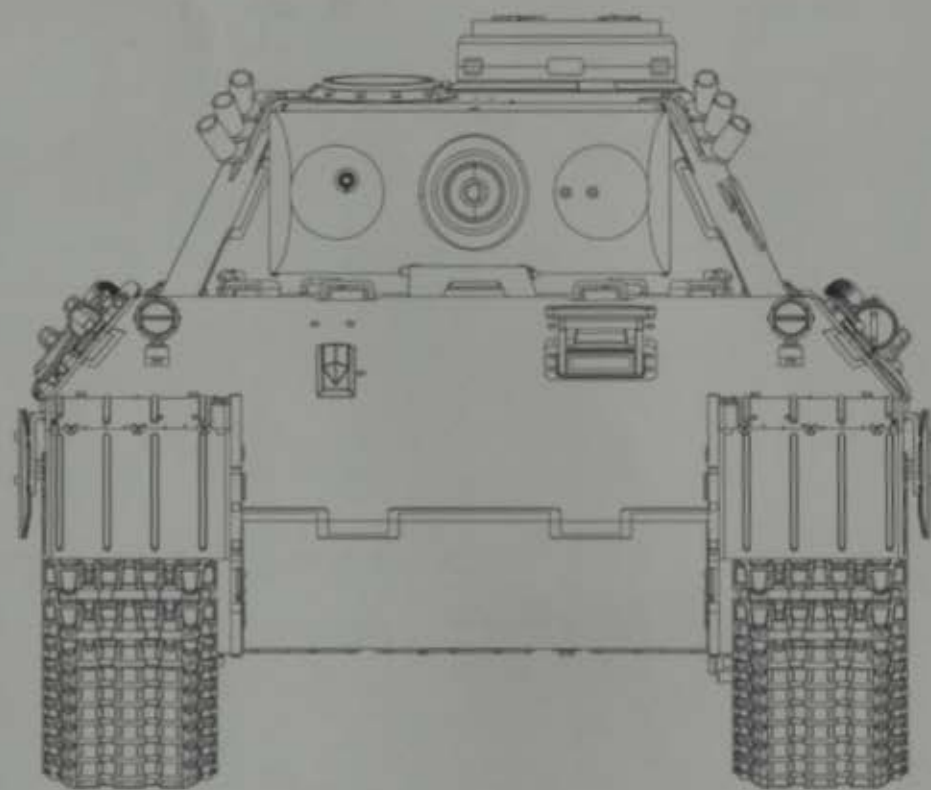
# M3A1 LEE CDL

US MEDIUM TANK  
 A DETAILED SCALE MODEL OF THE MOST FAMOUS  
 A FULLY EQUIPPED TURRET WITH 75mm GUN  
 A FULLY EQUIPPED TURRET WITH 75mm GUN  
 A FULLY EQUIPPED TURRET WITH 75mm GUN

Designed by  
 Alex Tsuboi  
 by **TRX**

**1/35**  
 No. 2115

2018/2103



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