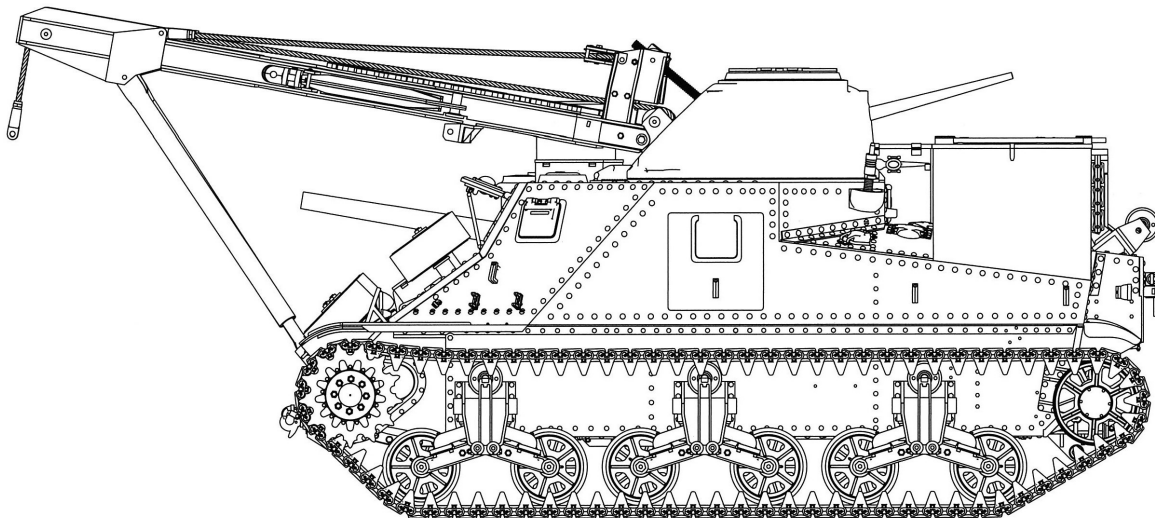


M31

US TANK RECOVERY VEHICLE



The Outbreak of WWII in Europe caused the U.S. Army to recognize it was lacking an effective tank force. Design of the Medium Tank M3 commenced in July 1940, with production beginning in December, and the first units became operational in late 1941. Experiments were carried out on specialized conversions, one of which was the T16 prime mover, which was chosen as the basis for testing a tank recovery vehicle by Baldwin Locomotive Works in 1942. These tests ultimately lead to the T2, with some 805 units being converted by December 1943. These vehicles became known as the M31 Tank Recovery Vehicle, the first vehicle of its type to be standardized in the U.S. Army.

The M31 was based on the Medium Tank M3. To keep up the appearances of a combat tank, the sponson-mounted 75mm gun was replaced by a hinged entry door fitted with a dummy gun tube, and the 37mm gun in the turret was replaced with a crane. The turret was rotated to the rear when not in use, and a dummy 37mm tube was attached to the turret rear. The turret machine gun cupola was replaced with the British hatch arrangement used on the Grant. The crane could lift 10,000lbs (4500kg) without the supporting boom jacks extended, 12,000lbs (5400kg) with the jacks attached to the hull front, or 30,000lbs (14,000kg) with the support legs on the ground. A 60,000lb (27,000kg) capacity Gar Wood winch was installed inside the fighting compartment, with the cable spooled out of the turret and over the crane boom or out the rear of the TRV. Tool boxes were also installed on the rear sponsons and above the dummy 75mm gun.

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.



Do Not Cement



Remove



Optional



Be Careful



Drill



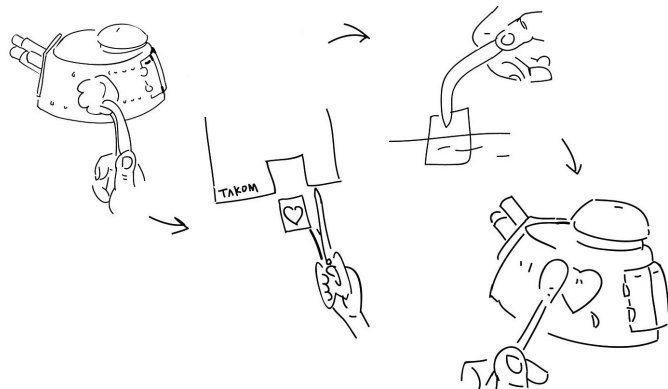
Instant Glue
for Metal



Heating

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.

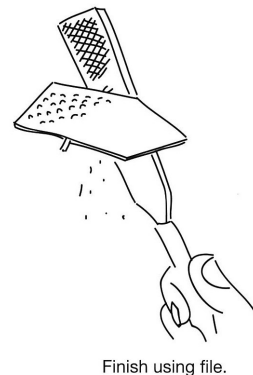
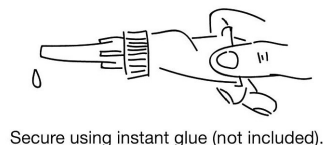
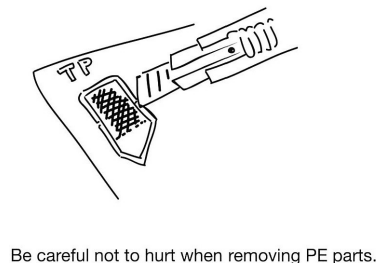


PAINTS REQUIRED

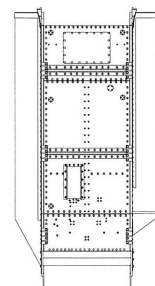
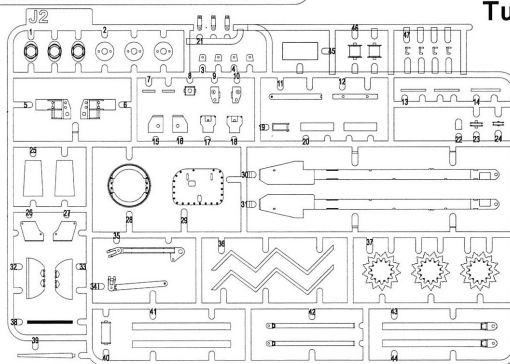
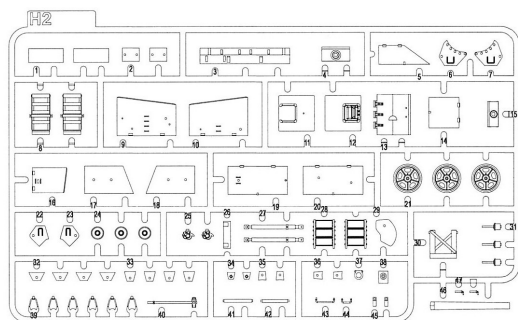
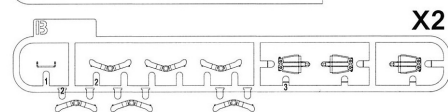
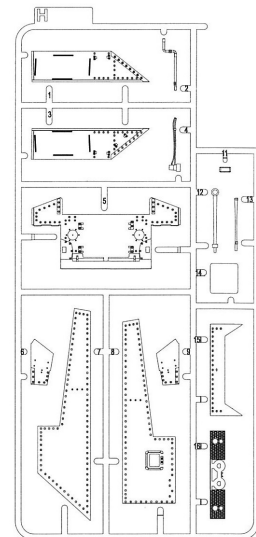
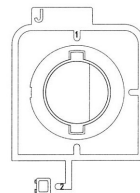
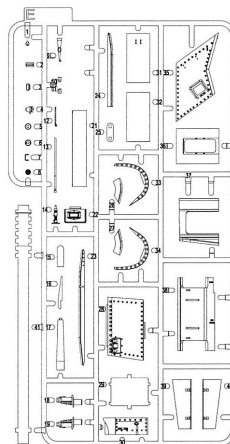
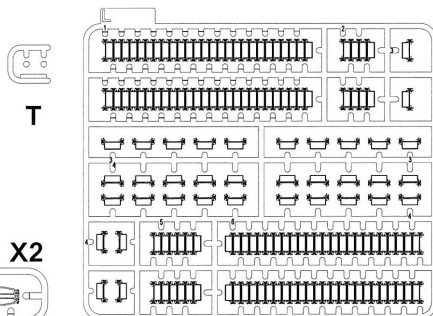
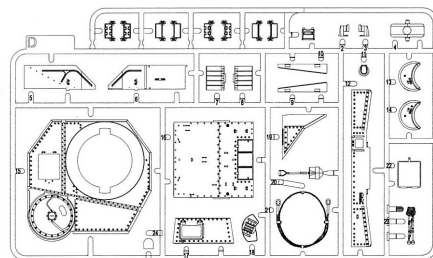
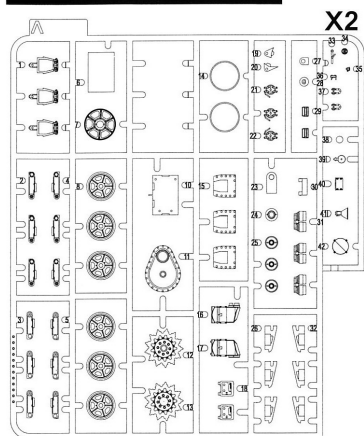
Color info and profiles by Mig Jimenez

AJMO 033	Rubber & Tires	AJMO 035	Dark Tracks	AJMO 037	Tan	AJMO 045	Gun Metal
AJMO 046	Metal Black	AJMO 093	Crystal Red	AJMO 094	Crystal Glass	AJMO 193	Silver
AJMO 926	Olive Drab Base						

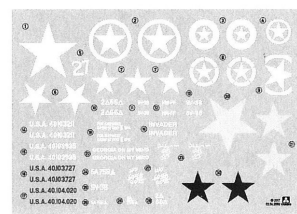
REMOVING PE



PARTS

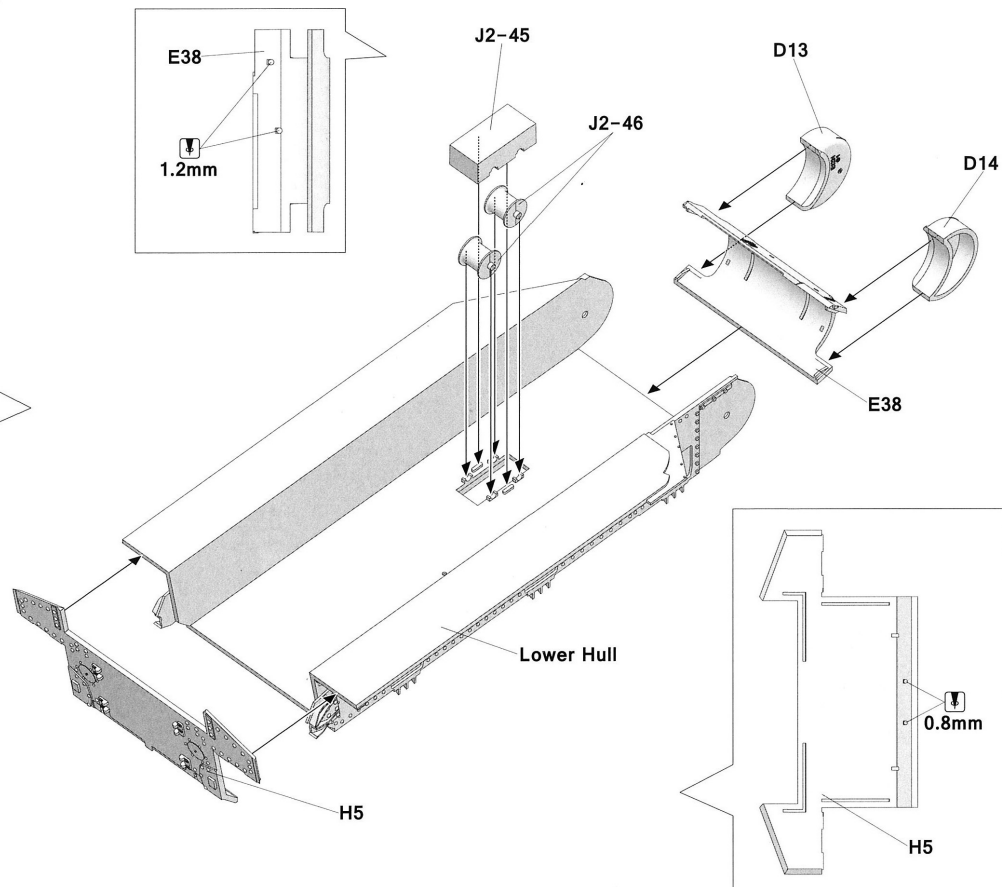
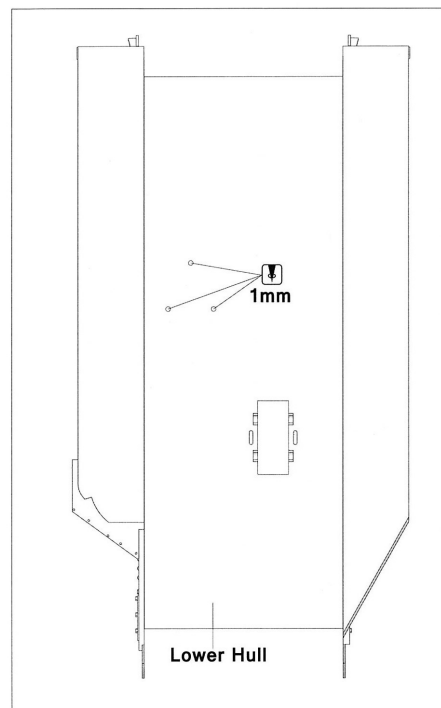


Lower Hull

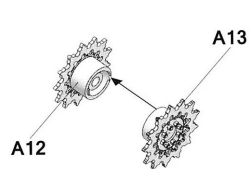
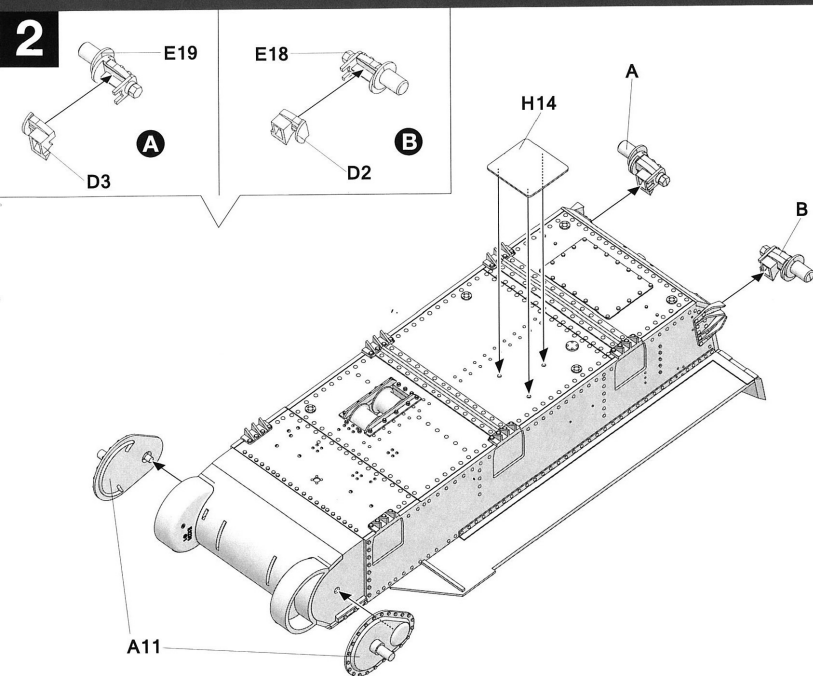


Decal

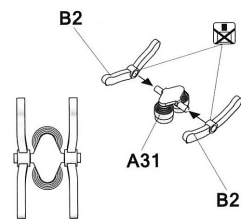
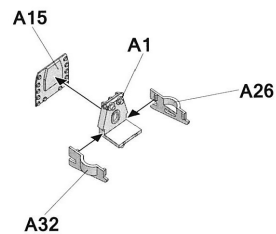
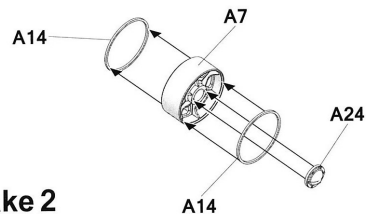
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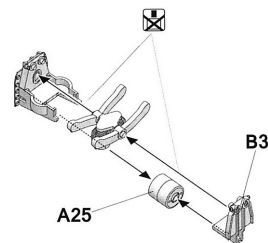
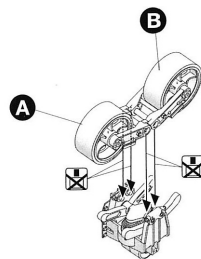
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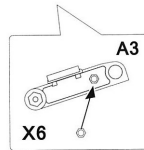
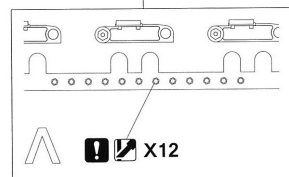
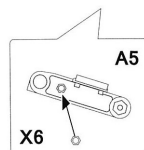
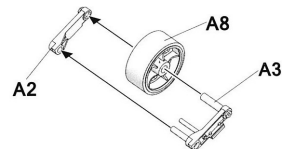
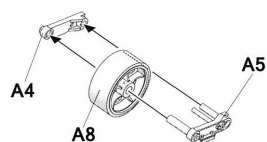
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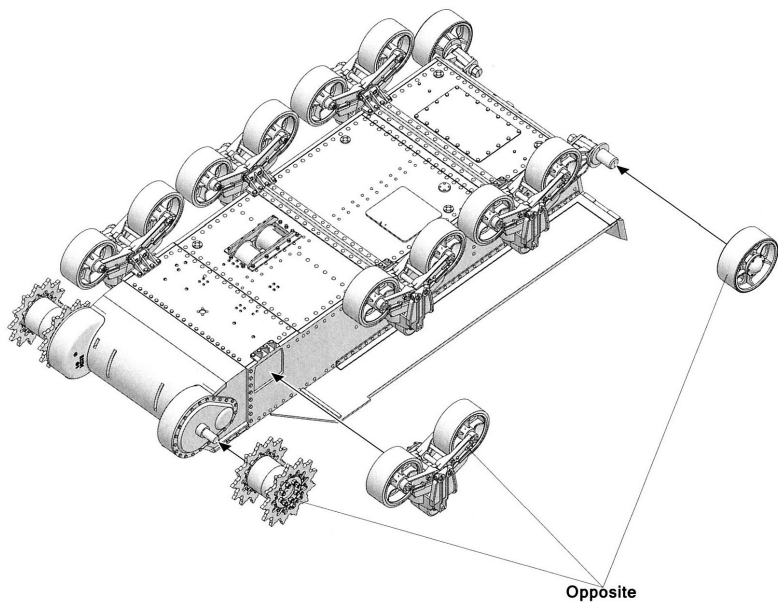
Make 6



Make 6

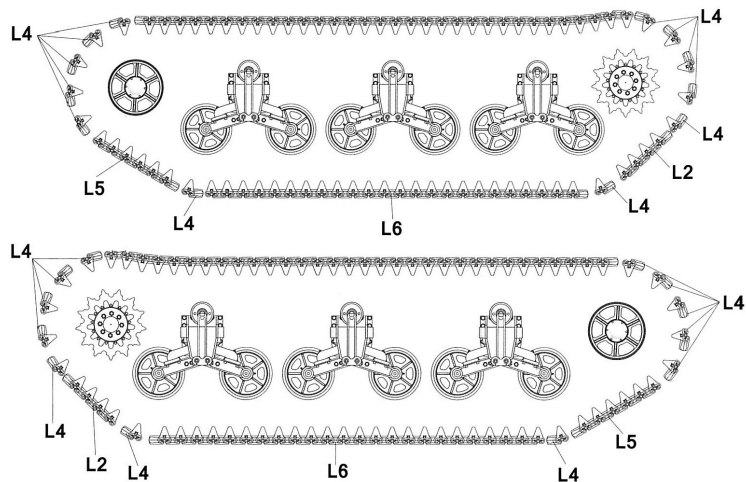
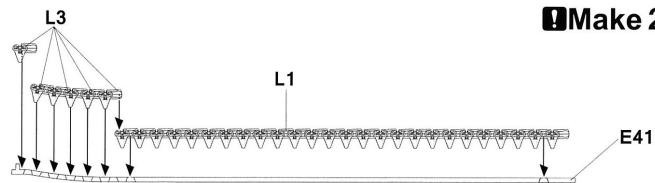


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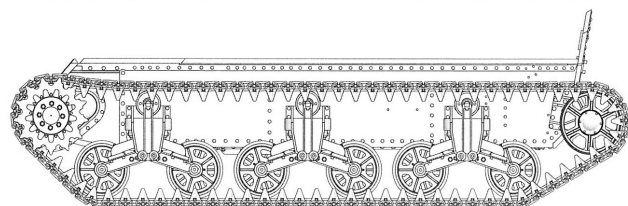
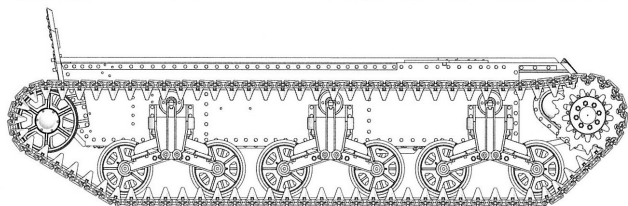


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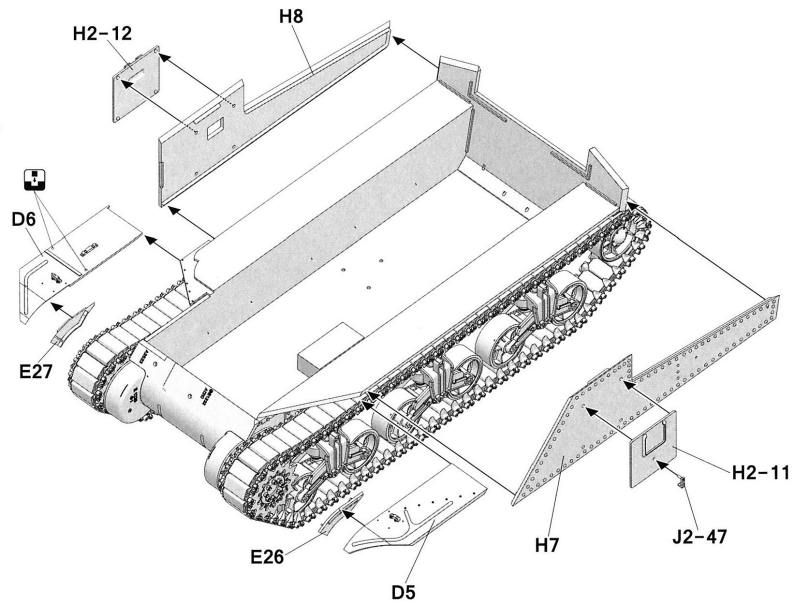
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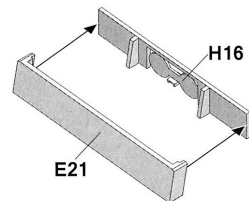
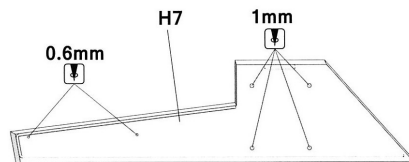
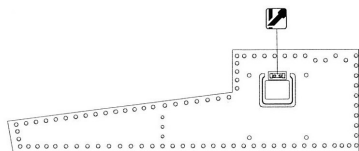
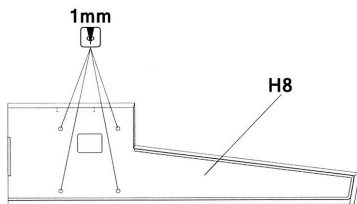
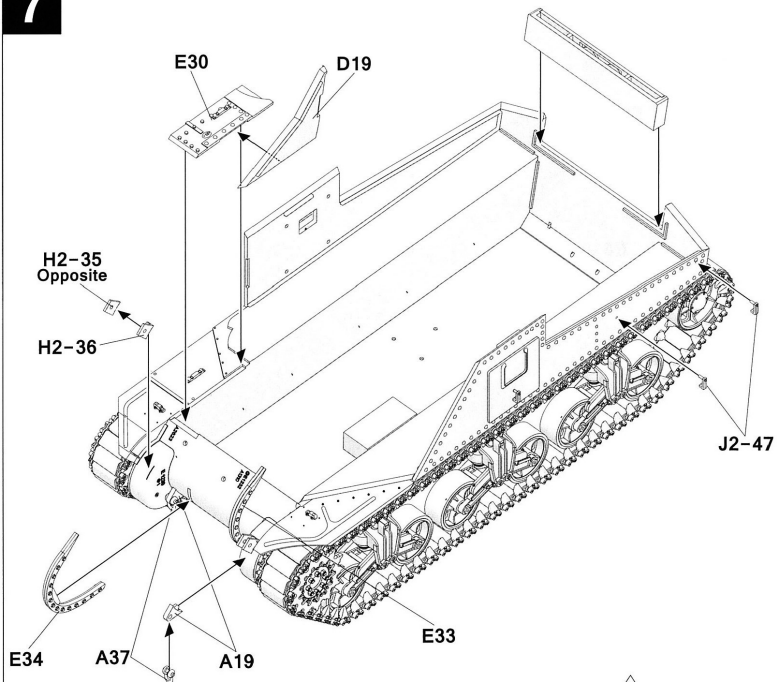
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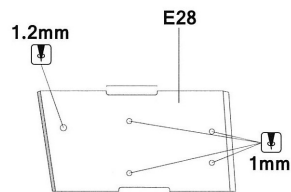
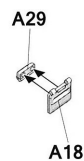
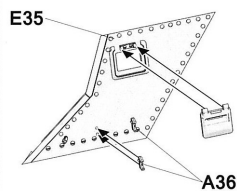
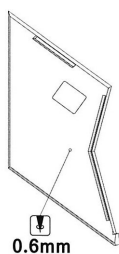
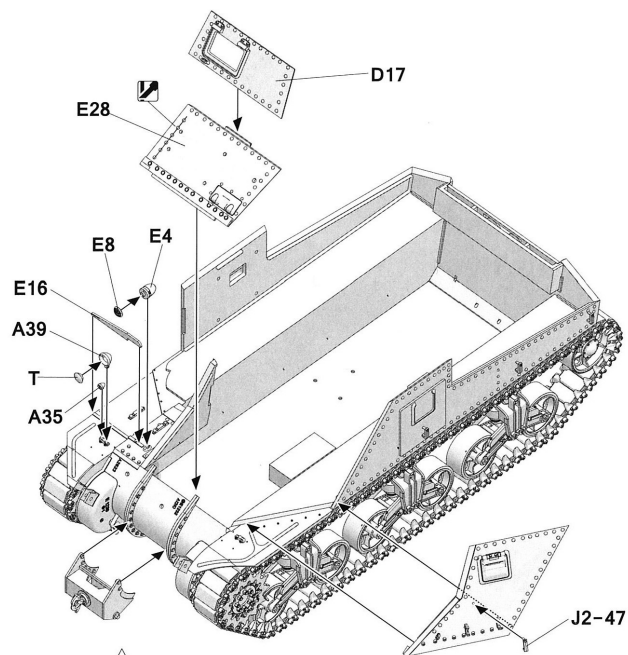
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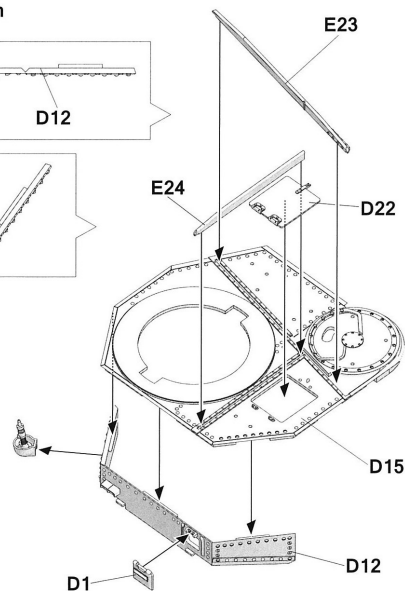
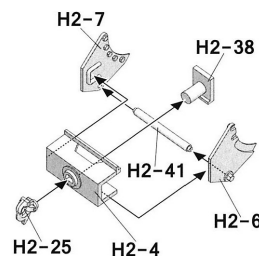
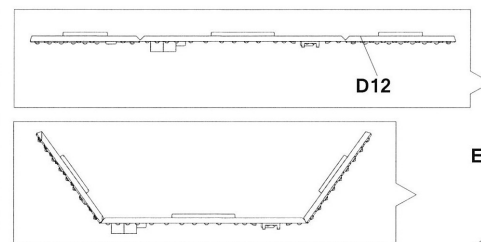
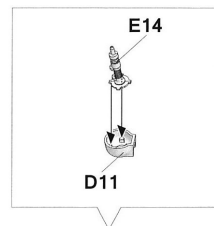
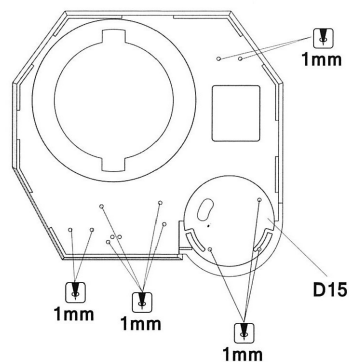
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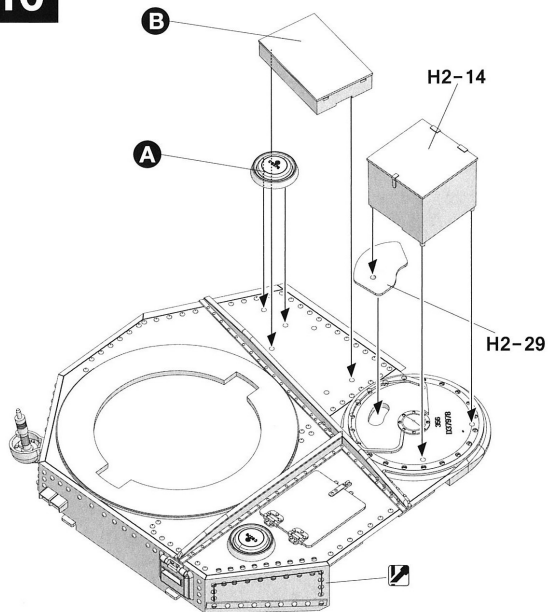
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9



10



A

J2-1

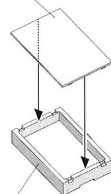


J2-2

Make 2

B

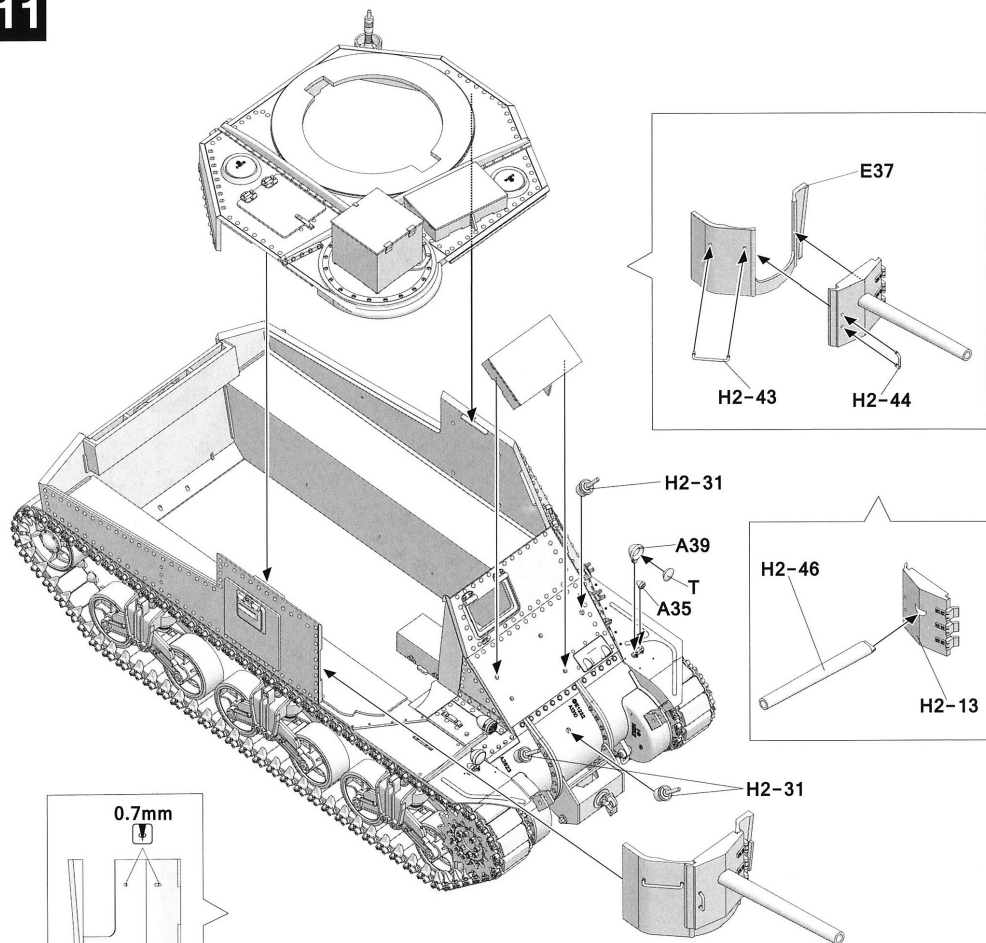
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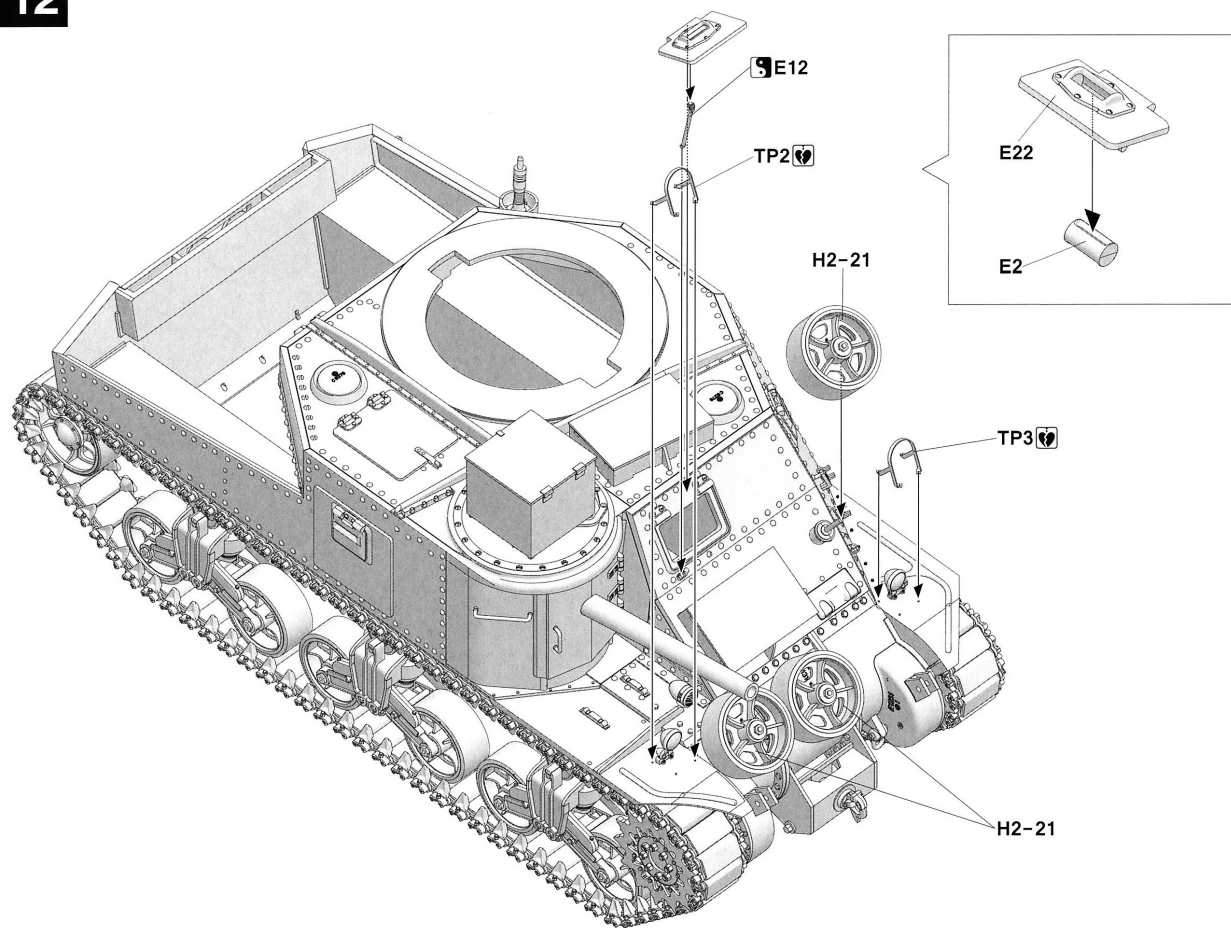


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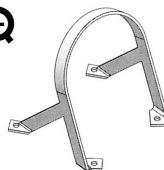
Make 2

11





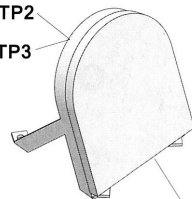
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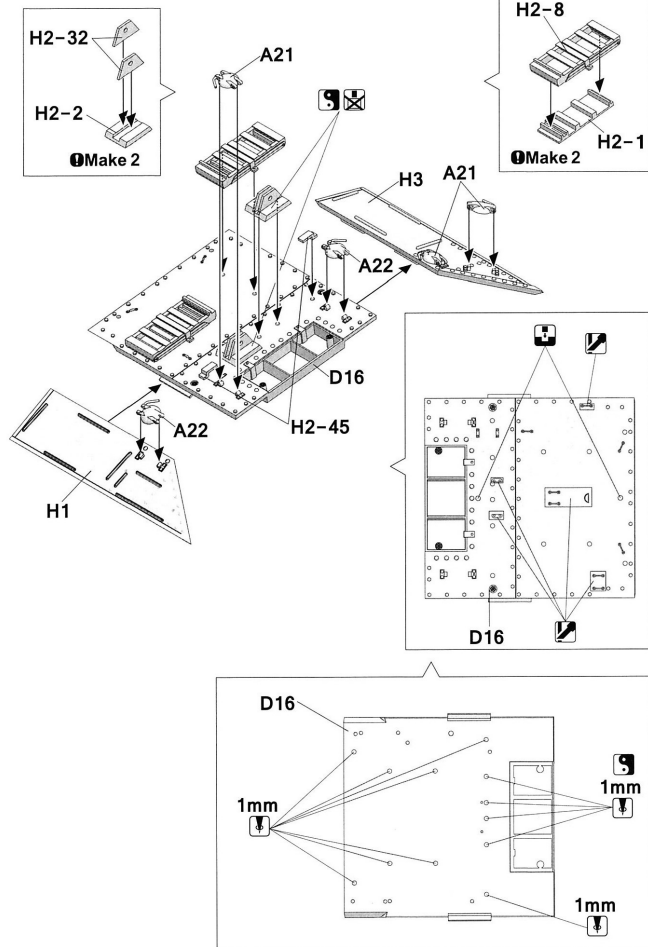
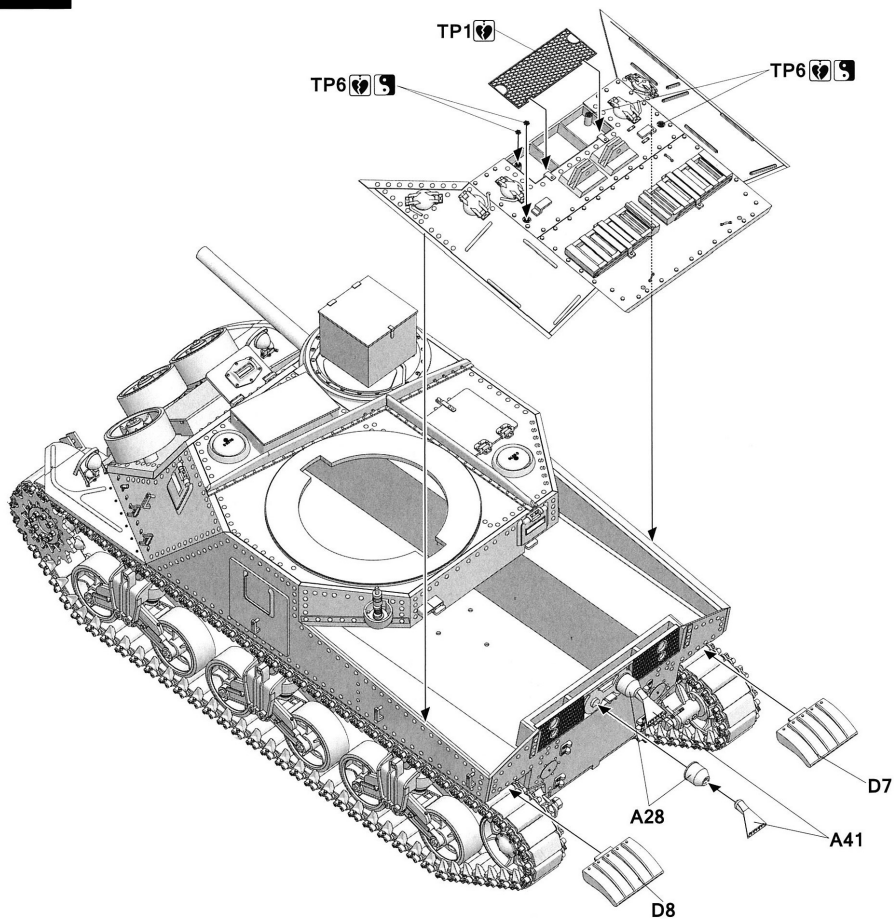
TP2

TP2

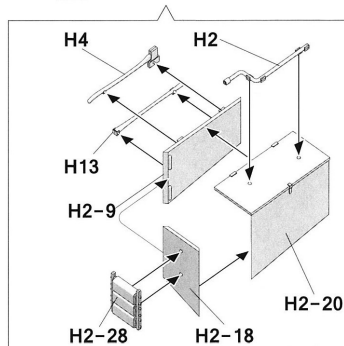
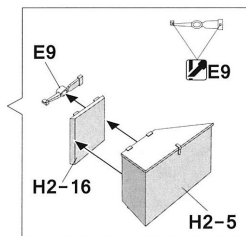
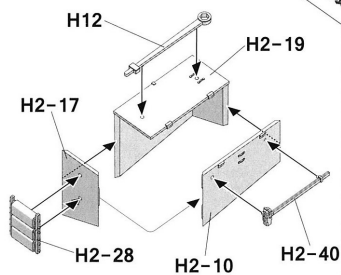
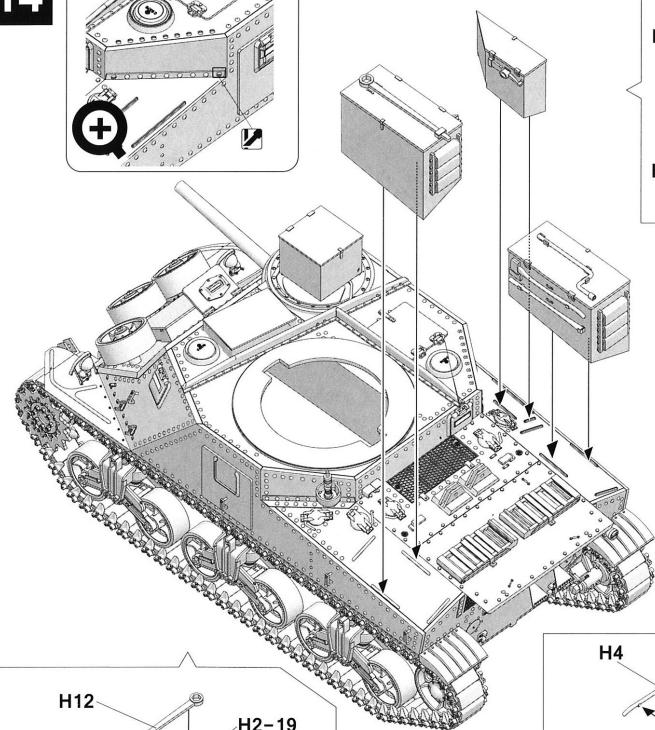
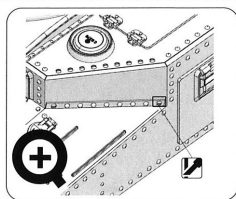
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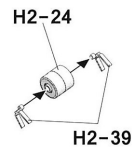
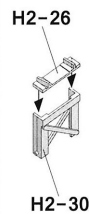
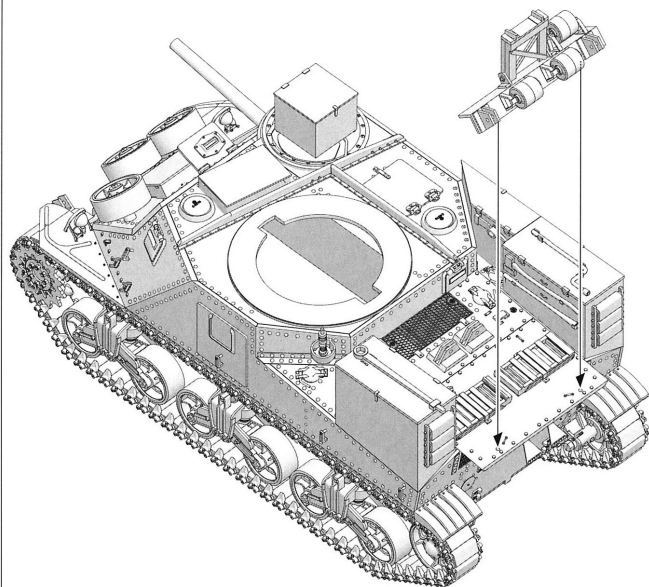
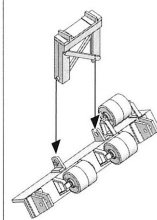
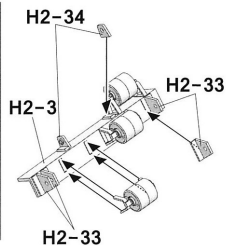
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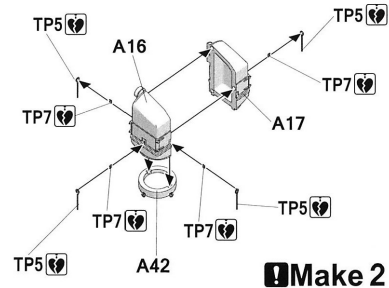
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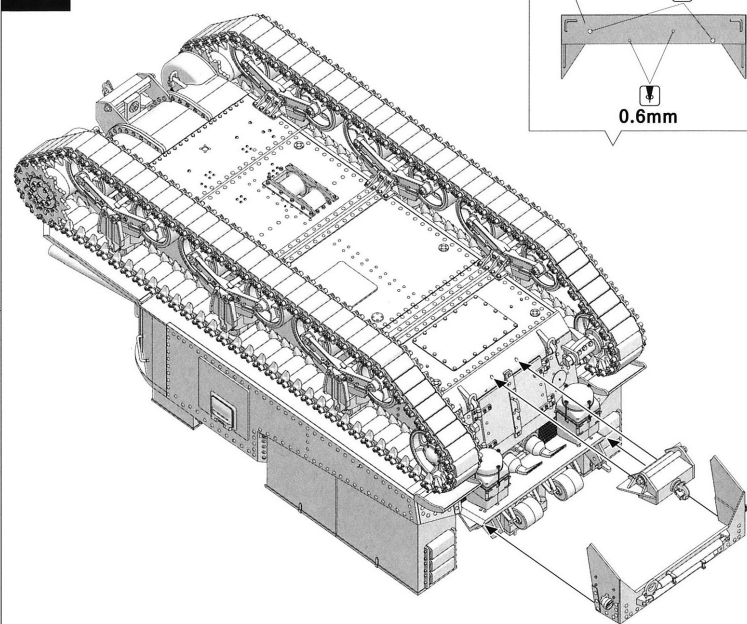
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**Make 3**

16



17

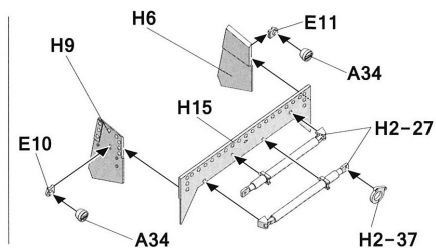
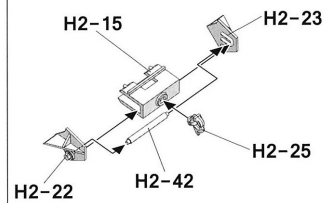


E29

A20

A37

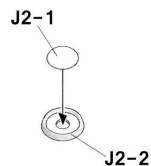
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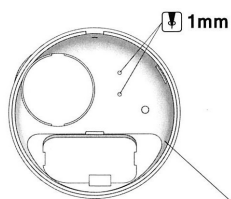
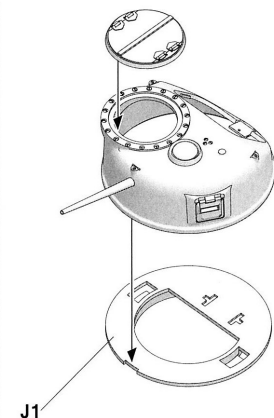
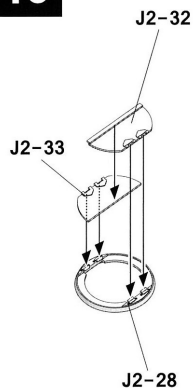
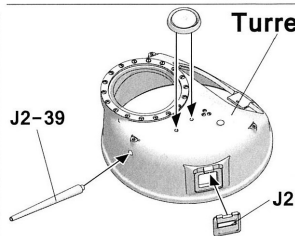
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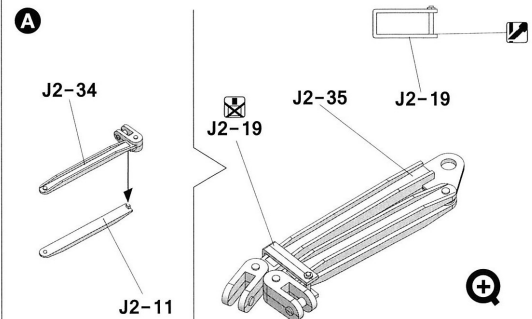
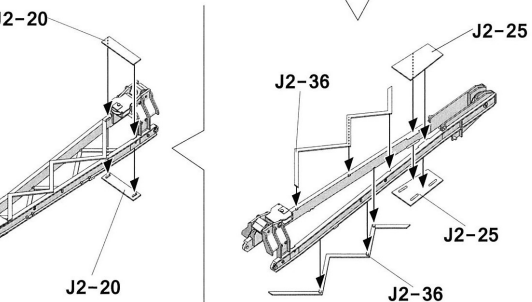
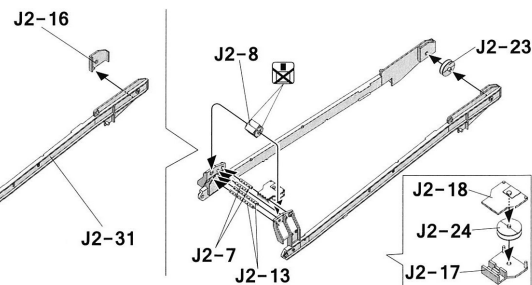
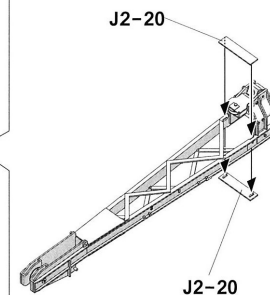
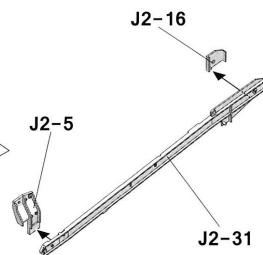
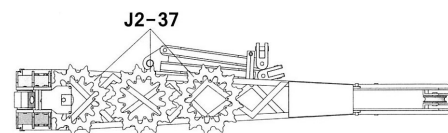
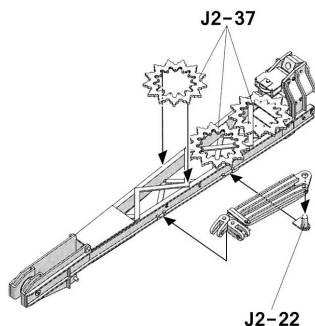
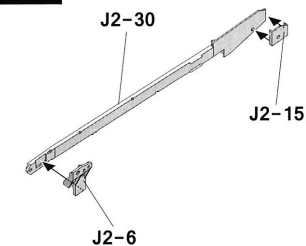
1.5mm



19

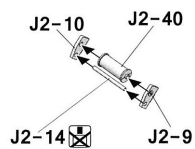
Turret
Turret

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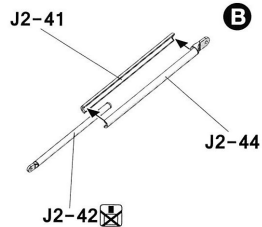


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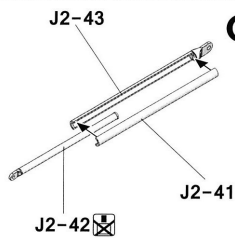
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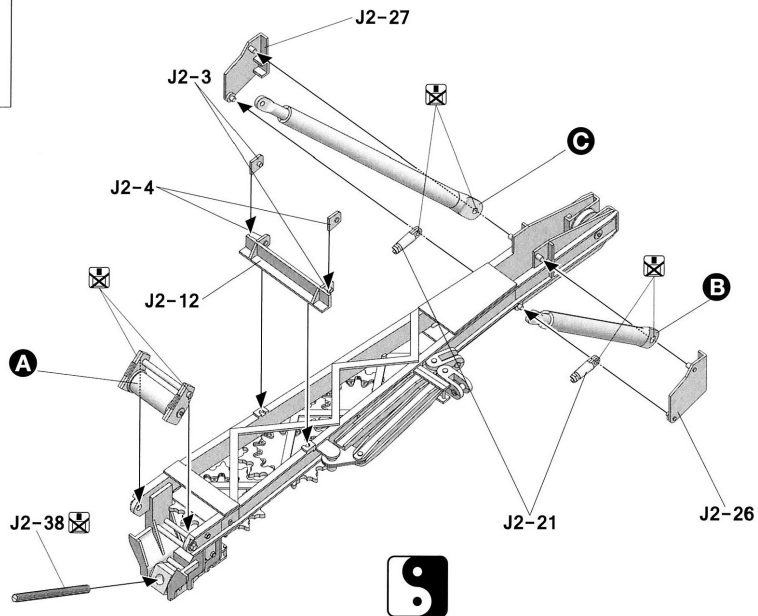
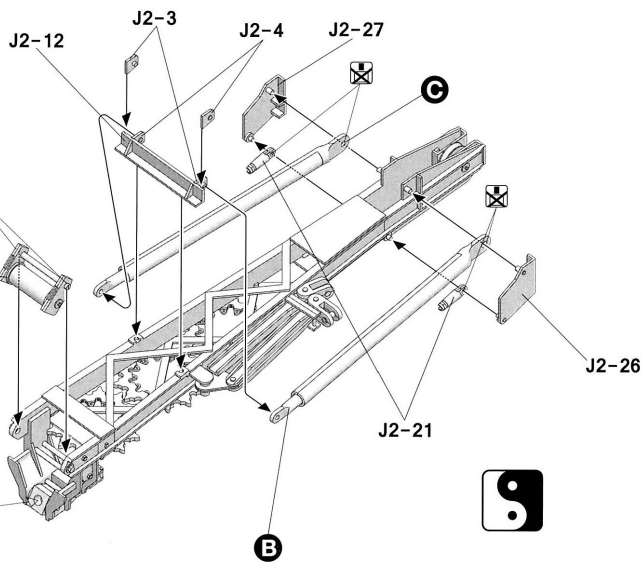
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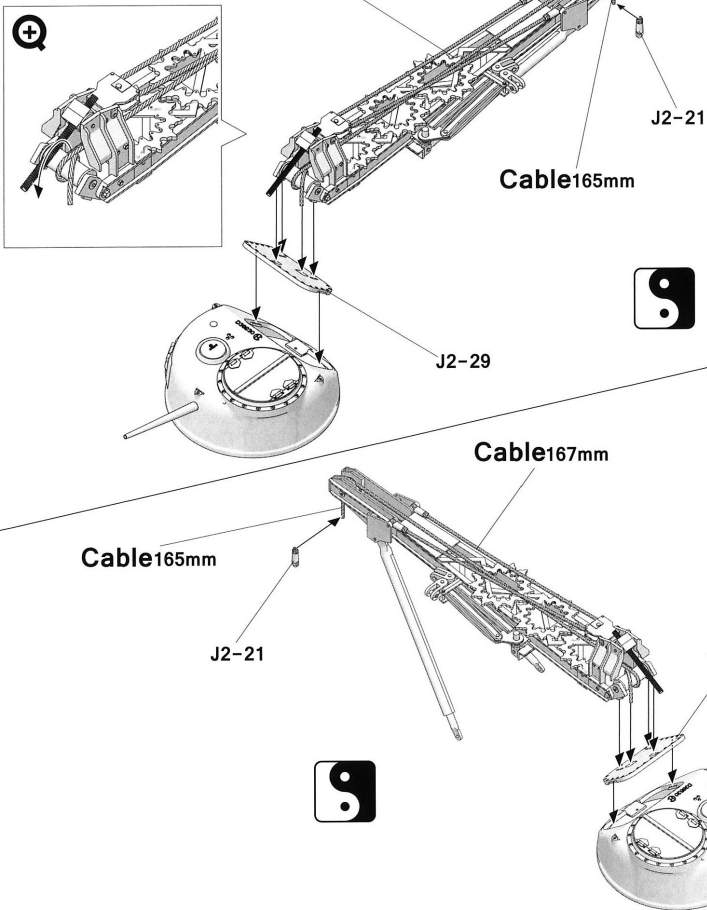
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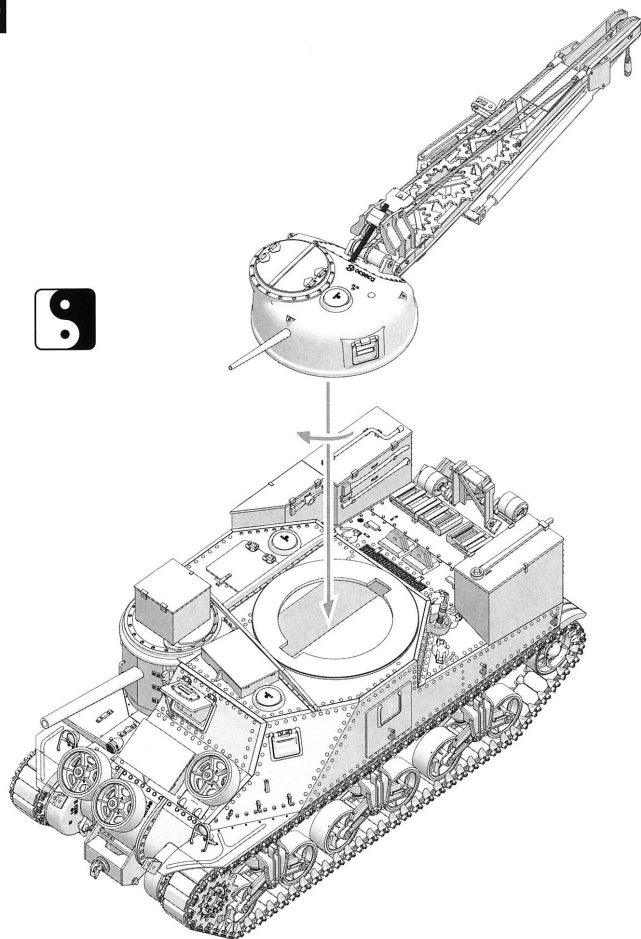
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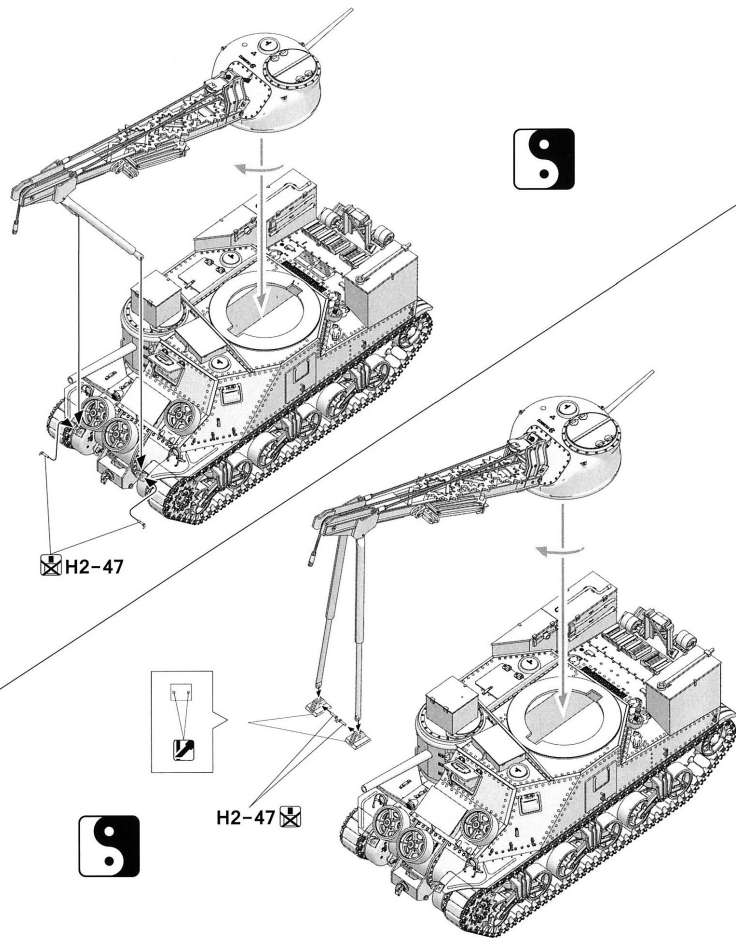
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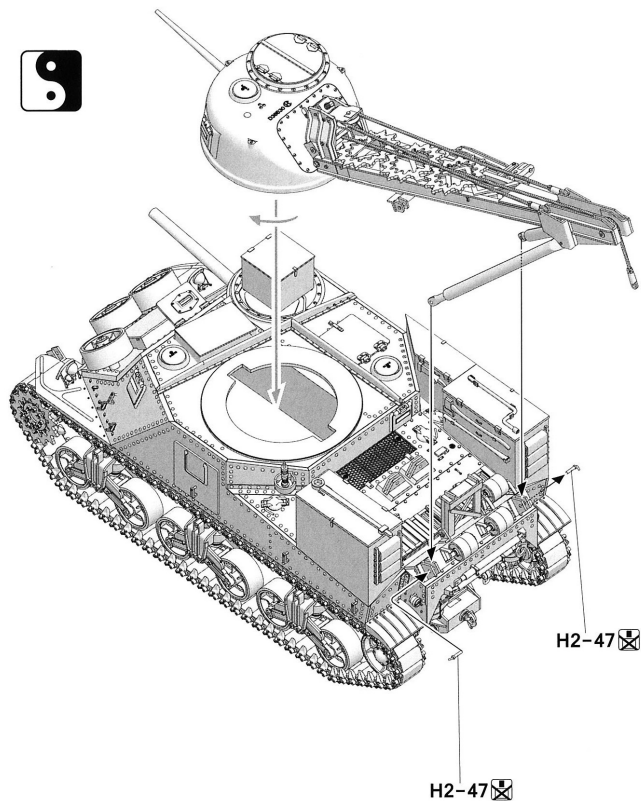
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25



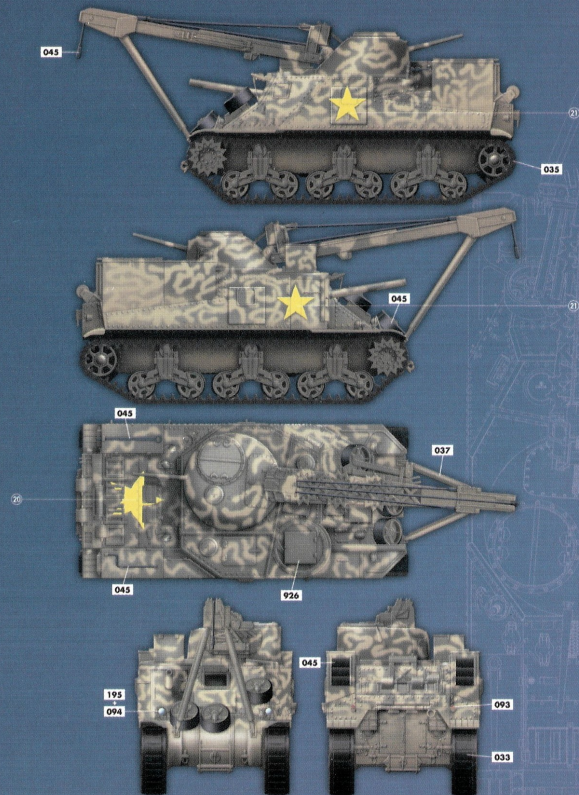
26



Painting and Marking Guide

AMMO 033 Rubber & Tires	AMMO 033 Dark Tracks	AMMO 045 Gun Metal	AMMO 093 Crystal Red
AMMO 094 Crystal Glass	AMMO 195 Silver	AMMO 037 Tan	AMMO 926 Olive Drab Base

1st Armored Regiment, Service Company, El Guettar,
Tunisia, April 1943.



Painting and Marking Guide

AMMO 033 Rubber & Tires	AMMO 033 Dark Tracks	AMMO 045 Gun Metal	AMMO 093 Crystal Red
AMMO 094 Crystal Glass	AMMO 195 Silver	AMMO 037 Tan	AMMO 926 Olive Drab Base

2nd Armored Division, 3/66th Armor Regiment,
GEORGIA ON MY MIND, SV 38, Operation Husky,
July 1943.



03.03.2088



M31

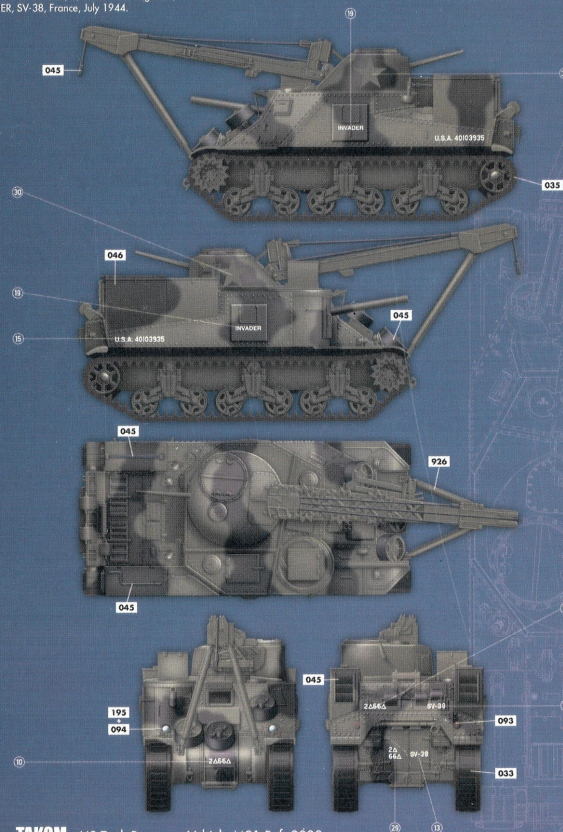
Color info and profiles by



Painting and Marking Guide

A.MIG 033	Rubber & Tires	A.MIG 035	Dark Tracks	A.MIG 045	Gun Metal	A.MIG 093	Crystal Red
A.MIG 094	Crystal Glass	A.MIG 193	Silver	A.MIG 046	Matte Black	A.MIG 926	Olive Drab Base

2nd Armored Division, 3/46th Armor Regiment,
INVADER, SV-38, France, July 1944.



TAKOM US Tank Recovery Vehicle M31 Ref: 2088

03.03.2088



M31

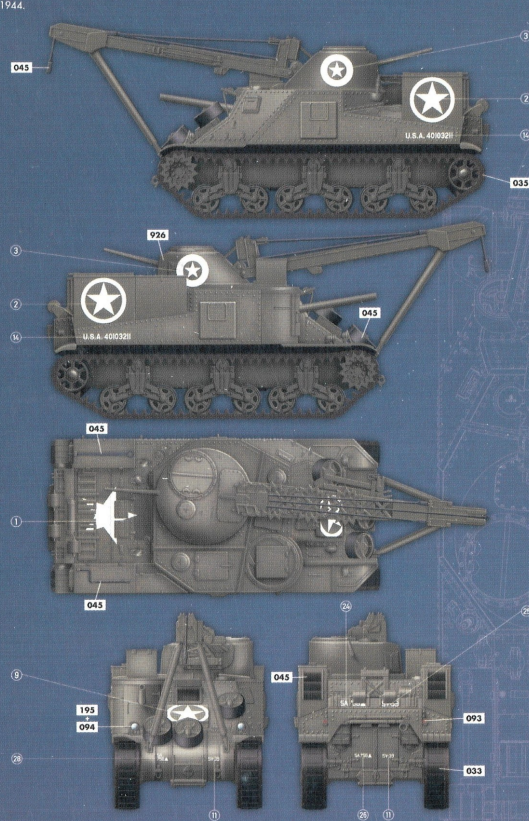
Color info and profiles by



Painting and Marking Guide

A.MIG 033	Rubber & Tires	A.MIG 035	Dark Tracks	A.MIG 045	Gun Metal	A.MIG 093	Crystal Red
A.MIG 094	Crystal Glass	A.MIG 193	Silver	A.MIG 926	Olive Drab Base		

5th Army, 756th Tank Battalion, SV-39, MI, Lungo,
Italy, January 1944.



TAKOM US Tank Recovery Vehicle M31 Ref: 2088

03.03.2088



M31

Color info and profiles by

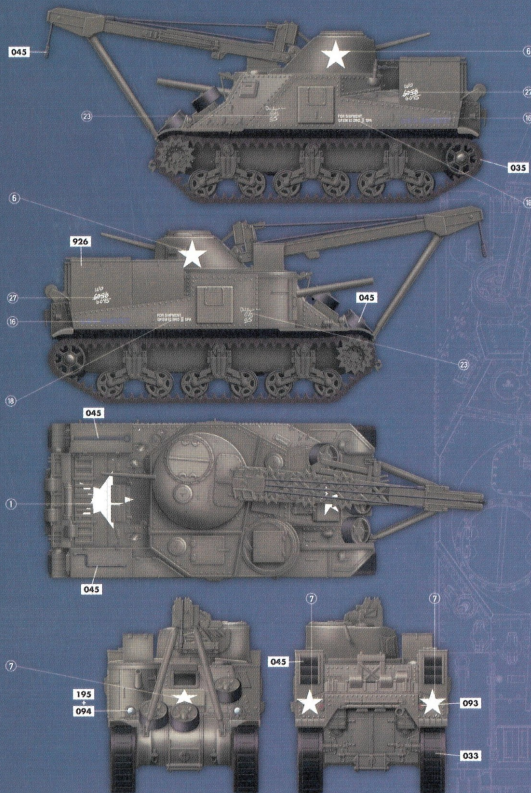


Painting and Marking Guide

AMMO 033 Rubber & Tires AMMO 035 Dark Tracks AMMO 045 Gun Metal AMMO 093 Crystal Red

AMMO 094 Crystal Gloss AMMO 193 Silver AMMO 926 Olive Drab Base

Unknown unit, Theater Issue Depot, Oran, Algeria,
May 1943.



TAKOM US Tank Recovery Vehicle M31 Ref: 2088

M3 Grant

A: ALL PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
B: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
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Y: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
Z: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE

BRITISH
MEDIUM TANK

1/35
No 2086

A: READY TO ASSEMBLE PRECISION MODEL KIT. B: INTERIOR FOR COLLECTING OF 400 1/35 SCALE AND ABOVE. C: MODEL MAY VARY FROM IMAGE ON BOX. D: CANDID AND PAINT NOT INCLUDED.

M3 LEE Early

A: ALL PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
B: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
C: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
D: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
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V: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
W: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
X: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
Y: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE
Z: THESE PARTS ARE BY 1/35 SCALE IN 1/35 SCALE

US
MEDIUM TANK

1/35
No 2085

A: READY TO ASSEMBLE PRECISION MODEL KIT. B: INTERIOR FOR COLLECTING OF 400 1/35 SCALE AND ABOVE. C: MODEL MAY VARY FROM IMAGE ON BOX. D: CANDID AND PAINT NOT INCLUDED.



MERKAVA Mk.1



ISRAELI
MAN-BATTLE TANK

TREX

1/35
No. 2078

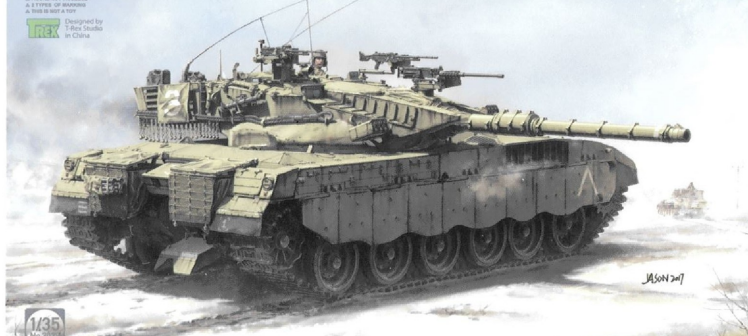
JASON 2017

MERKAVA_{Mk.1} Hybrid



ISRAELI MAIN BATTLE TANK

- ALL MATCHES CAN BE BUILT IN OPEN OR CLOSED TRACK ASSEMBLY IS AIDED WITH THE USE OF A JOINT
- DETAILED STATIC DISPLAY PLASTIC MODEL
- LINK & LENGTH STYLE TRACKS INCLUDED
- PE & CLEAR PARTS INCLUDED
- FIGURE NOT INCLUDED
- 2 TYPES OF MARKING
- DIMENSIONS 4.500"

1/35
No. 207

READY TO ASSEMBLE PRECISION MODEL KIT. INTENDED FOR COLLECTORS OF AGE 14 YEARS AND ABOVE. A MODEL MAY VARY FROM IMAGE ON BOX. A CEMENT AND PAINT FINISHING KIT

JASON 2017

M3 LEE Early

1/35
No 2085

A. READY TO ASSEMBLE PRECISION MODEL KIT. B. INTENDS FOR COLLECTORS OF AGE 14 YEARS AND ABOVE. C. MODEL MAY VARY FROM IMAGE ON BOX. D. CEMENT AND PAINT NOT INCLUDED.

JASON 2017

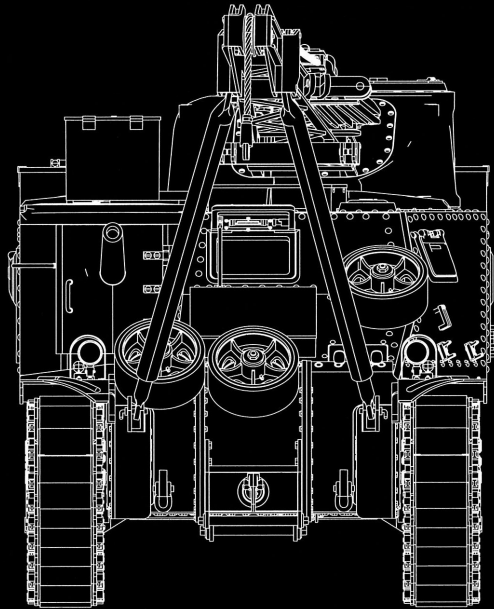
M3 Grant

1/35
No. 2066

▲ 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

JASON 2017

2017/2088



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