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TAMIYA TM35251

TAMIYA M4A3 Sherman 105mm Howitzer Model Kit Instruction Manual

Model: TM35251 | Brand: TAMIYA

INTRODUCTION

This manual provides detailed instructions for the assembly of your TAMIYA M4A3 Sherman 105mm Howitzer model kit. Designed for enthusiasts and modelers, this 1/35 scale replica offers a rewarding building experience with its intricate components and authentic details. Please read all instructions carefully before beginning assembly.

SAFETY INFORMATION

WARNING: This model kit contains small parts. Not suitable for children under 15 years of age due to potential choking hazards. Adult supervision is recommended during assembly. Always use appropriate tools safely and ensure proper ventilation when using paints or adhesives (not included).

WHAT'S INCLUDED

Your TAMIYA M4A3 Sherman 105mm Howitzer model kit includes the following components:

- Plastic model kit parts (sprues)
- Four lifelike figures
- Three types of decals for customization
- Instruction manual

Note: Adhesives, paints, and tools are sold separately.

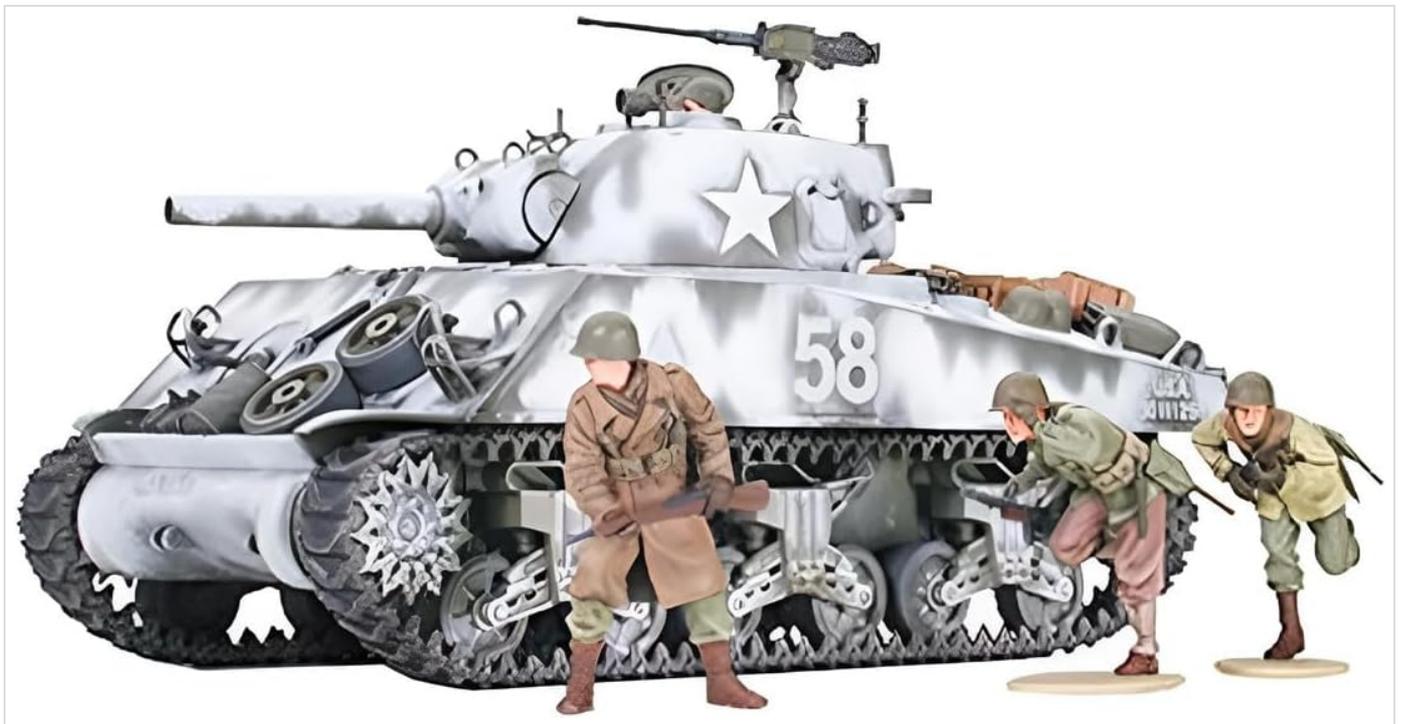


Figure 1: Contents of the TAMIYA M4A3 Sherman 105mm Howitzer model kit box.

SETUP AND ASSEMBLY

Assembly of the M4A3 Sherman 105mm Howitzer model requires careful attention to detail. Follow the step-by-step instructions provided in the included manual. Ensure you have a clean, well-lit workspace and the necessary tools (e.g., hobby knife, nippers, tweezers, adhesive, paints).

1. Part Preparation

Carefully remove parts from the plastic sprues using a hobby nipper or knife. Trim any excess plastic (flash) with a hobby knife or sandpaper for a smooth finish. Refer to the parts diagram in your manual to identify each component.

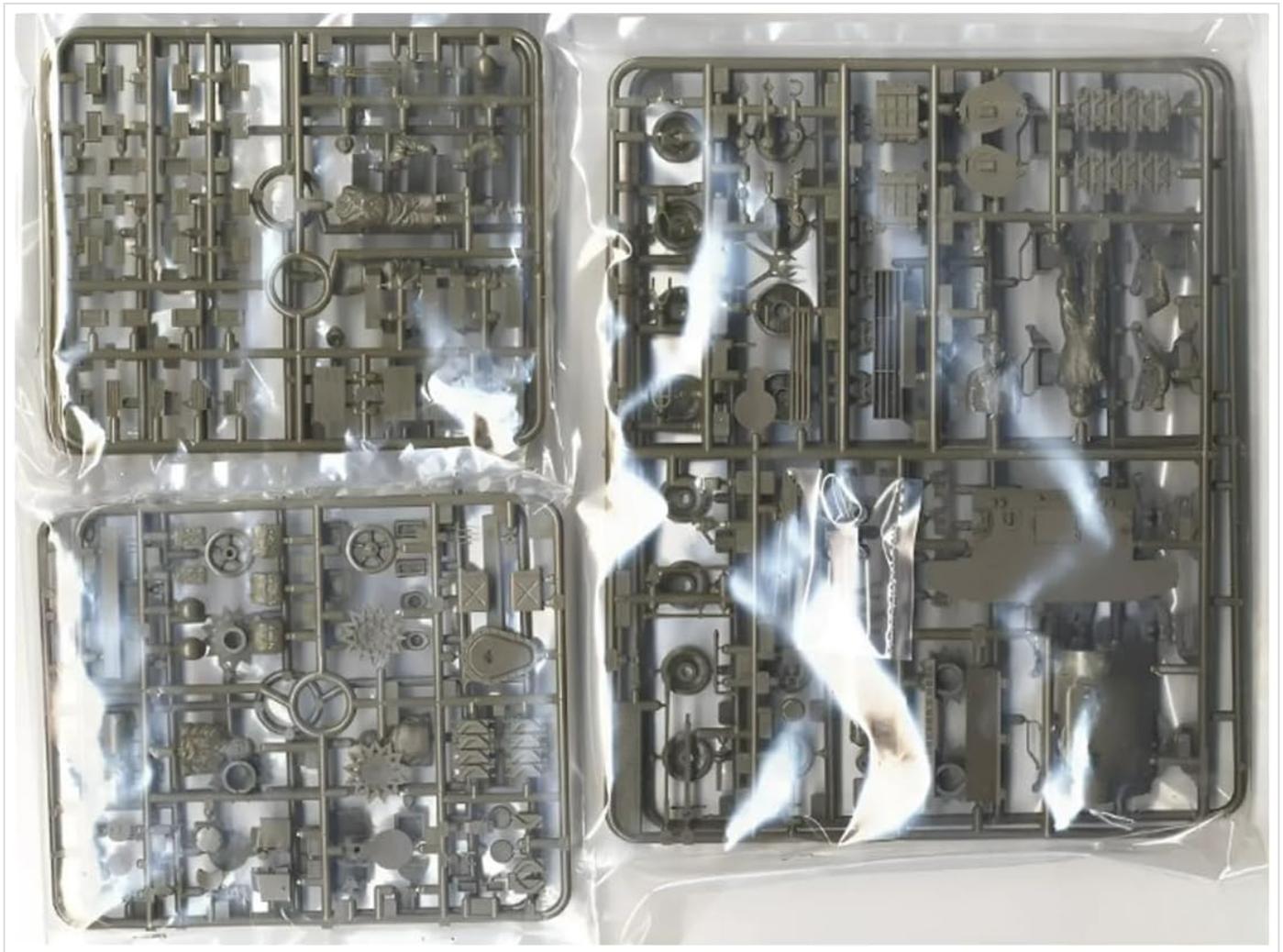


Figure 2: Example of plastic sprues containing model parts.

2. Main Hull Assembly

Begin by assembling the main hull sections. Ensure all parts fit snugly before applying adhesive. The model features separately molded parts for enhanced realism.

3. Track Assembly

The tank tracks are designed for realistic appearance. Assemble them according to the manual's instructions. These tracks are often composed of multiple segments or flexible bands that require careful alignment.

4. Turret and Gun Assembly

Assemble the turret and the 105mm howitzer. The gun is designed with poly-caps for movement, allowing for adjustable positioning after assembly. Ensure the turret rotates freely.

5. Adding Details and Figures

Attach smaller details such as tools, hatches, and the included four lifelike figures. Position the figures to create a dynamic scene. The kit also includes various accessories for stowage.

6. Decal Application

Apply the chosen decals from the three types provided. Ensure the surface is clean and smooth before applying. Use decal setting solution for best results.



Figure 3: Decal sheet for customizing your model.

7. Painting (Optional)

For an authentic finish, paint your model using acrylic paints. Refer to the painting guide in your manual for recommended colors and schemes. The model can be painted in various historical camouflage patterns, such as the winter camouflage shown in Figure 4.



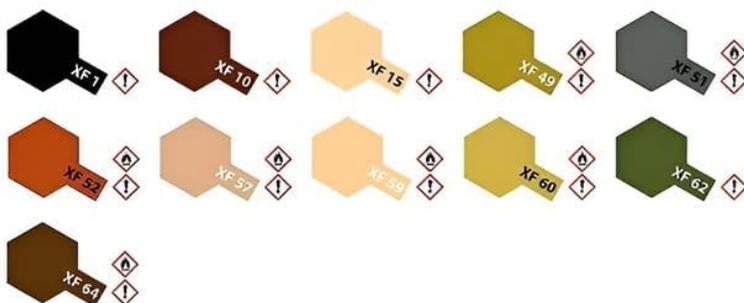
Figure 4: An example of a finished model with winter camouflage.

1:35 US Sherman M4A3 105mm Haub. (9) Art. Nr. 300035251

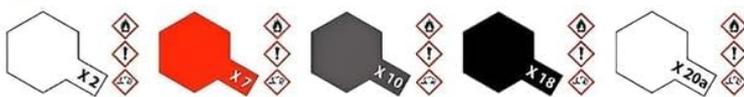


Benötigte Farben / Paints required

XF-Acryl Farben matt / XF-Acrylic Paints flat



X-Acryl-Farben glänzend / X-Acrylic-Paints gloss, 23ml



TS-Sprühfarben für Kunststoffe / TS-Paint-Spray for Plastics, 100ml



Art. Nr.	Bezeichnung
300081301	XF-1 Schwarz matt 23ml
300081310	XF-10 Braun matt 23ml
300081315	XF-15 Fleischfarben matt 23ml
300081349	XF-49 Khaki matt 23ml
300081351	XF-51 Khaki Drab (graubraun) matt 23ml
300081352	XF-52 Erde matt 23ml
300081357	XF-57 Buff (Gelb-Braun) matt 23ml
300081359	XF-59 Wüstengelb matt 23ml
300081360	XF-60 Dunkelgelb matt 23ml
300081362	XF-62 Braunoliv (Olive Drab) matt 23ml
300081364	XF-64 Rot-Braun matt 23ml
300081002	X-2 WEIß glänzend 23 ml
300081007	X-7 ROT glänzend 23 ml
300081010	X-10 GUN METALL glänzend 23 ml
300081018	X-18 Schwarz seidenmatt 23ml
300081020	X-20A Verdünner 23ml Acryl
300085005	TS-5 Braunoliv1 (Olive Drab1) matt 100ml

Figure 5: Recommended paints for the model.

Empfohlenes Werkzeug / Recommended Tools

Werkzeuge / Tools



Art. Nr.	Bezeichnung
300074003	Pinzette abgewinkelt
300074013	Cutter-Messer
300074031	Decal-Schere
300074035	Seitenschneider Spitz für Kunststoff
300087066	Pinset-Set "Basic"
300087031	Masking Tape 10mm mit Abroller
300087003	Plastikleber 40ml Tamiya
300087038	Plastikleber 40ml extradünn Tamiya
300087135	Mark Fit (Strong) Dekorweichmacher 40ml
300087193	Decal Adhesive Soft / Haftmittel 10ml

Klebstoffe / Cement:



Figure 6: Recommended tools for assembly.

Your browser does not support the video tag.

Video 1: Product Overview Video for the TAMIYA M4A3 Sherman 105mm Howitzer model kit, demonstrating the assembled model's features and details.

OPERATING THE MODEL

This TAMIYA M4A3 Sherman 105mm Howitzer is a static display model. While the gun and turret are designed to be movable, it is not intended for active play. Handle the assembled model with care to preserve its intricate details.

- **Turret Rotation:** The turret can be gently rotated 360 degrees.
- **Gun Elevation:** The 105mm howitzer can be moved up and down due to the poly-caps used in its assembly.
- **Track Movement:** The tracks are static but designed to appear realistic. Avoid forcing movement to prevent damage.

MAINTENANCE AND CARE

To ensure the longevity and appearance of your TAMIYA M4A3 Sherman 105mm Howitzer model, follow these care guidelines:

- **Cleaning:** Gently dust the model with a soft brush or a can of compressed air. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent discoloration or warping of plastic parts.

- **Handling:** Always handle the model by its base or main hull to avoid damaging delicate parts like antennas, machine guns, or figures.

TROUBLESHOOTING COMMON ASSEMBLY ISSUES

If you encounter difficulties during assembly, consider the following common issues and solutions:

- **Parts Not Fitting:** Ensure all excess plastic (flash) has been removed from the parts. Dry-fit parts before applying adhesive. If a part is slightly warped, gentle heat (e.g., from warm water) can sometimes help reshape it.
- **Decals Not Adhering:** Ensure the surface is clean and smooth. Use a decal setting solution to help the decal conform to irregular surfaces and adhere better.
- **Missing or Damaged Parts:** Carefully check all sprues and the box contents against the parts list in the manual. If a part is genuinely missing or damaged, contact TAMIYA customer support or your retailer.
- **Adhesive Issues:** Use model-specific plastic cement. Apply sparingly to avoid damaging plastic details. Allow sufficient drying time before handling.

SPECIFICATIONS

Feature	Detail
Brand	TAMIYA
Model Name	M4A3 Sherman 105mm Howitzer
Item Model Number	TM35251
Scale	1/35 Scale Armor
Material	Plastic
Item Dimensions (L x W x H)	6.56 x 2.94 x 3.08 inches (assembled model)
Item Weight	16 ounces (kit weight)
Included Components	Model kit, four lifelike figures, three types of decals
Special Features	Poly-caps for gun movement, separately molded parts, realistic tank tracks with paintable rubber pads, inclusion of figures, customizable decals
Recommended Age	15 years and up
Release Date	December 1, 2020

WARRANTY AND SUPPORT

No specific warranty information is provided with this product data. For support regarding missing parts, assembly issues, or product inquiries, please refer to the contact information provided in the physical instruction manual included with your kit or visit the official TAMIYA website.

