

TAMIYA 32599-000

TAMIYA 1/48 Russian Medium Tank T-34-85 Model Kit Instruction Manual

Model: 32599-000

1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, display, and care of your TAMIYA 1/48 scale Russian Medium Tank T-34-85 plastic model kit (Item Number 300032599). This highly detailed kit accurately captures the powerful shape of the T-34-85, featuring an ergonomic division of parts and expertly recreated raw cast turret texture. The kit includes representations of later production road wheels and a one-piece turret hatch design, along with one-piece straight track sections for easier assembly. A commander figure and two marking options for vehicles from the 1945 invasion of Germany are also included.

- **Scale:** 1:48
- **Dimensions (assembled):** Length: 169 mm, Width: 63 mm
- **Kit Type:** Plastic model kit, requires assembly.
- **Contents:** Model parts, commander figure, decals, instruction sheet.



Figure 1.1: The TAMIYA 1/48 Russian Medium Tank T-34-85 model kit box art, showcasing the finished model with a commander figure and historical markings.

2. ASSEMBLY INSTRUCTIONS

This section outlines the general requirements and steps for assembling your TAMIYA T-34-85 model kit. Always refer to the detailed, step-by-step instruction sheet included in your kit for precise assembly sequences and part identification.

2.1 Required Tools

The following tools are recommended for optimal assembly. These are not included with the kit and must be purchased separately.

- Angled Tweezers
- Cutter Knife / Hobby Knife
- Decal Scissors
- Pointed Side Cutters for Plastic
- Basic Brush Set
- Masking Tape (10mm with dispenser)
- Plastic Cement (e.g., Tamiya Plastic Cement, Tamiya Extra Thin Cement)
- Decal Setting Solution (e.g., Tamiya Mark Fit, Decal Adhesive Soft)



Benötigte Farben / Paints required

XF-Acryl Farben matt / XF-Acrylic Paints flat



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



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



Laquer Farben / Laquer Paints, 10ml



Art. Nr.	Bezeichnung
300081301	XF-1 Schwarz matt 23ml
300081315	XF-15 Fleischfarben matt 23ml
300081349	XF-49 Khaki matt 23ml
300081352	XF-52 Erde matt 23ml
300081356	XF-56 Metallic Grau matt 23ml
300081364	XF-64 Rot-Braun matt 23ml
300081784	XF-84 Eisen Dunkel matt 10ml Acryl (6)
300081785	XF-85 Gummi-schwarz matt 10ml Acryl (6)
300081010	X-10 Gun Metall glänzend 23 ml
300081011	X-11 Chrom Silber glänzend 23 ml
300081020	X-20A Verdünner 23ml Acryl
300085028	TS-28 Braunoliv2 (Oliv.Drab2) matt 100ml
300082129	LP-29 Braunoliv 2 matt 10ml

Figure 2.1: An assortment of recommended tools for model assembly, including tweezers, hobby knife, side cutters, scissors, brushes, and masking tape.

2.2 Required Paints

Paints are essential for finishing your model. The following Tamiya paint types and colors are commonly used for the T-34-85. Refer to the kit's painting guide for specific color schemes and application instructions. Paints are not included with the kit.

- **XF-Acrylic Paints (Flat):** XF-1 Black, XF-15 Flesh, XF-49 Khaki, XF-52 Earth, XF-56 Metallic Grey, XF-64 Red Brown, XF-84 Dark Iron, XF-85 Rubber Black.
- **X-Acrylic Paints (Gloss):** X-10 Gun Metal, X-11 Chrome Silver.
- **TS-Spray Paints (for Plastics):** TS-28 Olive Drab 2.
- **LP-Lacquer Paints:** LP-29 Olive Drab 2.
- **Thinner:** X-20A Acrylic Thinner.

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	Plastikkleber 40ml Tamiya
300087038	Plastikkleber 40ml extradünn Tamiya
300087135	Mark Fit (Strong) Dekorweichmacher 40ml
300087193	Decal Adhesive Soft / Haftmittel 10ml

Klebstoffe / Cement:



Seite 2

Figure 2.2: A selection of Tamiya XF, X, TS, and LP paints, along with plastic cements and decal solutions, indicating necessary supplies for model completion.

2.3 General Assembly Steps

- Preparation:** Carefully remove parts from the sprues using side cutters. Clean any excess plastic (flash) with a hobby knife or sanding stick.
- Sub-Assemblies:** Assemble smaller components first, such as the turret, road wheels, and track sections, as indicated in the kit instructions.
- Main Assembly:** Join the sub-assemblies to form the main hull and turret structure. Ensure proper alignment before applying cement.
- Painting:** Apply primer if desired, then paint the model according to your chosen scheme. Allow adequate drying time between coats.
- Decals:** Apply decals using water and decal setting solutions for a seamless finish.
- Final Details:** Attach any remaining small parts, such as tools, cables, and the commander figure.

3. DISPLAY AND HANDLING

Once your T-34-85 model is complete, proper display and handling will preserve its appearance and integrity.

- Display Surface:** Place the model on a stable, flat surface to prevent accidental falls.
- Environmental Conditions:** Avoid direct sunlight, extreme temperatures, and high humidity, which can cause paint fading, warping, or damage to decals.
- Handling:** Always handle the model by its sturdy base or main hull. Avoid touching delicate parts like antennas, machine guns, or figures to prevent breakage.



Figure 3.1: A detailed close-up of the T-34-85 model's turret, featuring the commander figure emerging from the hatch, highlighting the intricate details of the upper hull.



Figure 3.2: A detailed view of the T-34-85 model's tracks and road wheels, showcasing the texture and individual link appearance, as well as the suspension components.

4. MAINTENANCE

Regular maintenance will keep your model looking its best.

- **Dusting:** Use a soft, dry brush (such as a makeup brush or a dedicated model brush) to gently remove dust. Avoid abrasive materials.
- **Cleaning:** For stubborn dirt, lightly dampen a cotton swab with plain water and gently wipe the affected area. Avoid harsh chemicals or solvents, which can damage paint and plastic.
- **Storage:** If storing the model for an extended period, place it in a dust-free, climate-controlled environment, ideally in a display case or covered box.



Figure 4.1: An overhead view of the T-34-85 model's engine deck and side, illustrating the intricate grilles, fuel tanks, and side details that require careful cleaning.

5. TROUBLESHOOTING

Here are solutions to common issues encountered during model assembly or display.

- **Parts Not Fitting:** Double-check the instruction manual for correct part orientation and ensure all sprue gates and flash have been removed. Sometimes, a small amount of sanding or trimming may be necessary.
- **Poor Glue Adhesion:** Ensure surfaces are clean and free of paint or grease. Apply a thin, even coat of plastic cement and hold parts firmly together until the bond sets. Allow sufficient curing time.
- **Paint Issues (e.g., uneven coat, brush marks):** Ensure paint is properly thinned. Apply multiple thin coats rather than one thick coat. Allow each coat to dry completely before applying the next.
- **Decal Silvering:** This occurs when air is trapped under the decal. Apply a gloss clear coat before decals, use decal setting solutions, and press down firmly to remove air bubbles.

- **Broken Small Parts:** For minor breaks, use a small amount of plastic cement to reattach. For more significant damage, consider using super glue (CA glue) for a stronger bond, but apply sparingly.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.65 x 2.48 x 7.48 inches (169 x 63 x 190 mm)
Item Weight	9.2 ounces (260 grams)
Item Model Number	32599-000
Manufacturer Recommended Age	14 years and up
Manufacturer	Tamiya

7. WARRANTY INFORMATION

No specific warranty information is provided for this TAMIYA 1/48 Russian Medium Tank T-34-85 model kit within the product details. As model kits are consumable items requiring assembly, standard warranties for finished products may not apply. For any concerns regarding manufacturing defects or missing parts, please contact TAMIYA customer support directly or refer to their official website for their policy on model kits.

8. CUSTOMER SUPPORT

For further assistance, technical questions, or inquiries regarding your TAMIYA model kit, please contact the manufacturer directly.

- **Manufacturer:** Tamiya
- **Website:** Please visit the official Tamiya website for contact information, FAQs, and additional resources.