

**TAMIYA TMYTAM35296**

# Tamiya Italian Carro Armato M13/40 Model Kit Instruction Manual

Model: TMYTAM35296

## INTRODUCTION

This instruction manual provides detailed guidance for the assembly, painting, and care of your Tamiya Italian Carro Armato M13/40 military model kit. Please read all instructions carefully before beginning assembly. This kit is designed for adult modelers and requires precision and attention to detail.

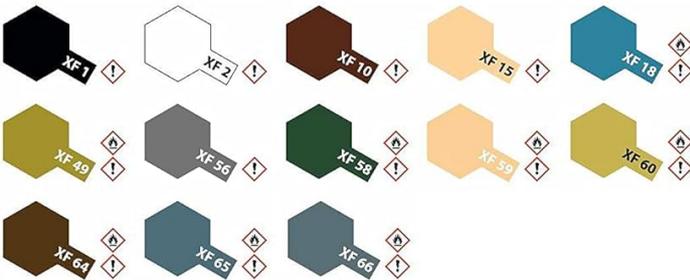
1:35 Ital. M.Pz.Carro Armato M13/40 (2)

Art. Nr. 300035296



Benötigte Farben / Paints required

**XF-Acryl Farben matt / XF-Acrylic Paints flat**



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



Art. Nr.	Bezeichnung
300081301	XF-1 Schwarz matt 23ml
300081302	XF-2 Weiss matt 23ml
300081310	XF-10 Braun matt 23ml
300081315	XF-15 Fleischfarben matt 23ml
300081318	XF-18 Mittelblau matt 23ml
300081349	XF-49 Khaki matt 23ml
300081356	XF-56 Metallic Grau matt 23ml
300081358	XF-58 Olivgrün matt 23ml
300081359	XF-59 Wüstengelb matt 23ml
300081360	XF-60 Dunkelgelb matt 23ml
300081364	XF-64 Rot-Braun matt 23ml
300081365	XF-65 Feld-Grau matt 23ml
300081366	XF-66 Hellgrau matt 23ml
300081002	X -2 WEIß glänzend 23 ml
300081010	X-10 GUN METALL glänzend 23 ml
300081012	X-12 Blatt-Gold glänzend 23 ml
300081018	X-18 Schwarz seidenmatt 23ml
300081020	X-20A Verdünner 23ml Acryl

Figure 1: Tamiya Italian Carro Armato M13/40 Model Kit Box Art. This image displays the completed model on the kit's packaging, illustrating the tank and two crew figures.

## SETUP AND ASSEMBLY

### Kit Contents

Your Tamiya M13/40 model kit includes precision-molded plastic parts, photo-etched parts for enhanced detail, a metal gun barrel, and decals for various marking options. Carefully inspect all sprues and components upon opening the box.

**1:35 Ital. M.Pz.Carro Armato M13/40 (2)**

**Art. Nr. 300035296**



#### 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:



Seite 2

Figure 2: Tamiya M13/40 Model Kit Box Contents. This image shows the kit box opened, revealing the plastic sprues, instruction manual, and other components.

### Recommended Tools

Successful assembly requires a selection of specialized tools. Refer to the image below for a visual guide to recommended tools and adhesives.



Figure 3: Recommended Tools and Adhesives. This chart illustrates essential tools such as tweezers, cutters, decal scissors, paint brushes, masking tape, plastic cement, and decal setting solutions.

- **Hobby Knife/Cutter:** For precise removal of parts from sprues.
- **Plastic Cement:** For bonding plastic parts. Ensure proper ventilation.
- **Tweezers:** For handling small parts, especially photo-etched components.
- **Side Cutters:** For cleanly detaching parts from sprues.
- **Sandpaper/Files:** For cleaning mold lines and refining part edges.
- **Putty:** For filling any minor gaps or seams.
- **Masking Tape:** For painting and holding parts during assembly.
- **Decal Setting Solution:** For optimal decal adhesion and conformity to surfaces.

## General Assembly Tips

1. **Part Preparation:** Carefully remove parts from the sprues using a hobby knife or side cutters. Clean any mold lines or excess plastic (flash) with a hobby knife or fine sandpaper.
2. **Test Fitting:** Before applying cement, always test fit parts to ensure proper alignment and fit. This helps identify and address any potential issues early.
3. **Adhesive Application:** Apply plastic cement sparingly to one surface to be joined. Hold parts firmly together until the cement sets.
4. **Photo-Etched Parts:** Handle photo-etched parts with care using tweezers. These delicate metal parts require super glue for attachment.
5. **Metal Barrel:** The included metal barrel replaces the plastic barrel for enhanced realism. Follow the instructions for its specific attachment. Note: The metal barrel and photo-etched parts may be taped to the inside of the box lid.

## Specific Assembly Notes

- **Track Assembly:** This kit features link-and-length tracks. Assemble these sections carefully, ensuring correct alignment and tension. Minor adjustments, such as removing a single track piece, may be necessary to achieve a perfect fit.
- **Hull Superstructure:** When assembling the four walls of the superstructure, ensure they are firmly in place and held together for approximately 60 seconds to allow the cement to create a strong bond and prevent gaps.
- **Minor Gaps/Seams:** Due to the kit's design, some minor gaps or seam lines may appear, particularly on the upper hull parts. These can be easily addressed with modeler's putty and light sanding for a smooth

finish.



Figure 4: Commander Figure Detail. This close-up shows the detailed commander figure positioned in the tank's turret, highlighting the intricate molding and paintwork.



Figure 5: Rear Deck Details. This image provides a detailed view of the rear deck of the M13/40 model, showcasing tools, stowage, and engine deck grilles.

## PAINTING GUIDE

Achieving an authentic finish requires careful painting. Refer to the chart below for recommended Tamiya XF (flat) and X (gloss) acrylic paints. Always apply paint in thin, even coats.



Figure 6: Paint Requirements Chart. This chart lists various Tamiya XF (flat) and X (gloss) acrylic paints by color code and description, essential for painting the model.

## Decal Application

1. Ensure the painted surface is smooth and glossy for optimal decal adhesion. A clear gloss coat can be applied if using flat paints.
2. Cut out the desired decal close to its edge.
3. Dip the decal in lukewarm water for 10-20 seconds until it can slide freely from the backing paper.
4. Carefully slide the decal onto the model's surface.
5. Position the decal using a wet brush or cotton swab.
6. Gently blot away excess water with a soft cloth or paper towel.
7. Apply decal setting solution to help the decal conform to surface details and eliminate silvering.

## DISPLAY AND HANDLING

Once assembled and painted, your Tamiya M13/40 model is a static display piece. Handle it with care to prevent damage to delicate parts, paint, or decals. Avoid direct sunlight and extreme temperatures to preserve the model's finish.

## MAINTENANCE

### Cleaning

To clean your model, gently dust it with a soft brush or a can of compressed air. Avoid using harsh chemicals or abrasive materials, as these can damage the paint and plastic. For stubborn dust, a slightly damp cloth can be used, but ensure no water pools in crevices.

### Storage

Store your model in a dust-free environment, ideally in a display case or a sealed container. Protect it from direct sunlight, which can cause paint fading and plastic degradation over time. Maintain a stable room

temperature to prevent material warping.

## TROUBLESHOOTING

- **Parts Not Fitting:** Ensure all mold lines and flash are removed. Test fit parts before cementing. If a gap persists, use modeler's putty to fill and sand smooth.
- **Tracks Too Long/Short:** The link-and-length tracks may require minor adjustment. If too long, carefully remove one link. If too short, ensure all links are fully seated and cemented.
- **Decals Silvering:** This occurs when air is trapped under the decal. Ensure the surface is glossy before application and use decal setting solution to help the decal conform and eliminate air bubbles.
- **Missing Parts/Decals:** Double-check all sprues and the inside of the box lid (especially for photo-etched parts and metal barrels). If parts are genuinely missing, contact Tamiya customer support.
- **Paint Issues:** Ensure surfaces are clean and dry before painting. Apply paint in thin coats to avoid brush marks or clumping. Allow adequate drying time between coats.

## SPECIFICATIONS

Feature	Detail
Brand	TAMIYA
Model Name	TAM35296 (1/35 Italian Medium Tank Carro Armato M13/40)
Item Model Number	TMYTAM35296
Material	Plastic
Included Components	Photoetched Parts, Metal Barrel
Item Dimensions (L x W x H)	12 x 12 x 5 inches
Item Weight	10.6 ounces
Recommended Age	Adult (Manufacturer recommended: 4 years and up)
Date First Available	November 18, 2008

## WARRANTY

As a model kit, this product typically does not come with a functional warranty in the traditional sense, as its performance depends on the assembly process. Tamiya is known for its high-quality components. If you encounter manufacturing defects or missing parts upon initial inspection, please contact Tamiya customer support immediately.

## SUPPORT

For further assistance, technical questions, or inquiries regarding missing or defective parts, please contact Tamiya customer service. You can typically find contact information on the official Tamiya website or through your local hobby retailer.

- **Tamiya Official Website:** [www.tamiya.com](http://www.tamiya.com)
- **Local Hobby Retailer:** Your point of purchase may also offer support.