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TAMIYA TM78029

Tamiya Models USS Missouri BB-63 Circa 1991 Model Kit

Model: TM78029 | Brand: TAMIYA

1. INTRODUCTION

This instruction manual provides detailed guidance for assembling, painting, and maintaining your Tamiya 1/350 scale USS Missouri BB-63 Circa 1991 Model Kit. This kit accurately represents the US Navy's 3rd Iowa class battleship as refitted for Gulf War service in 1991. It features updated components and intricate details for an authentic replica.



Figure 1: Tamiya USS Missouri BB-63 Model Kit Box Art

2. KIT CONTENTS

Before beginning assembly, please verify that all components are present and undamaged. The kit includes:

- Single-piece full hull
- Detailed deck surfaces with engraved plank texture
- Fully rendered superstructure with new tool features (bridge area, Tomahawk launcher deck, aft bridge deck, funnel, aft funnel mast, radar dome, No.1 turret ventilator, Mk.37 gun director, deck ventilator, RQ-2 Pioneer)
- Updated weapons suite (Harpoon and Tomahawk missile launchers, Phalanx CIWS, SRBOC rocket launchers)
- Filigree mast lattice
- SH-60B helicopters (choice of extended or stowed rotors)

- Ship's boats
- Display stand with nameplates
- Metal propeller shafts
- Stainless steel wire (for rigging Dicone-Cage antennae)
- Photo-etched parts (including helicopter deck fences, water tight doors, SPS10 radar, SPS49 radar)
- Printed paper flag sheet, starboard color profile, and decals for hull markings, helipad, and upperworks
- Reference booklet (ship's historical background)



Figure 2: Kit Contents Overview

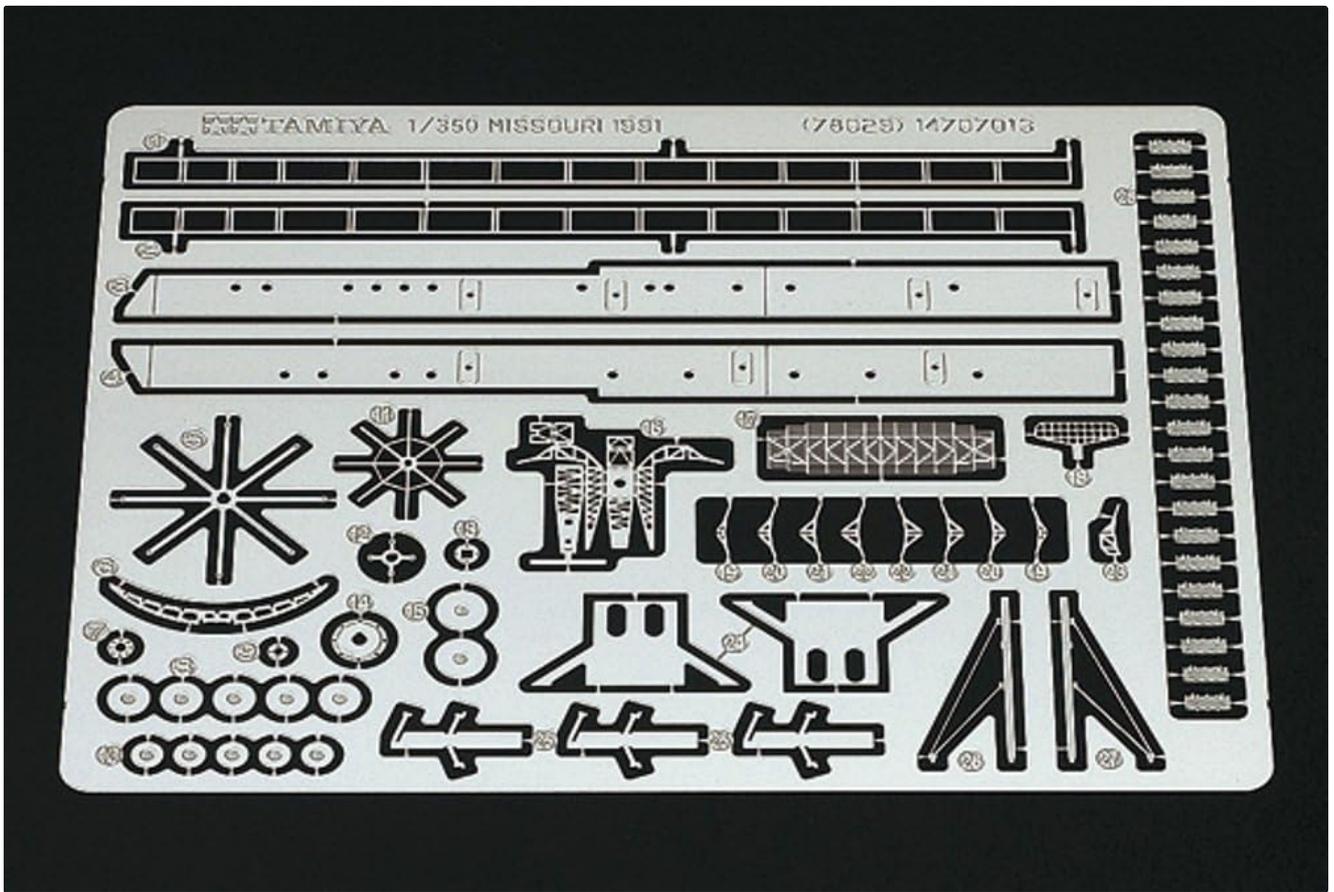


Figure 3: Included Photo-Etched Parts



Figure 4: Reference Booklet

3. TOOLS REQUIRED

The following tools are recommended for assembly. Ensure you have a clean, well-lit workspace.

- Hobby Knife / Cutter
- Plastic Cement / Adhesive
- Tweezers (angled recommended for small parts)
- Side Cutters / Nippers
- Small Scissors
- Modeling Masking Tape
- Decal Adhesive Softener/Haftmittel
- Small Files or Sandpaper (fine grit)
- Paint Brushes (various sizes)

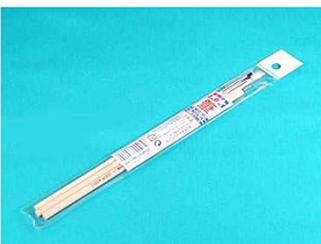
1:350 US Schlacht. BB-63 Missouri ('91)

Art. Nr. 300078029



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 5: Essential Tools for Assembly

4. PAINTING GUIDE

Achieving a realistic finish requires careful painting. Refer to the included color profile and the following paint recommendations. Tamiya XF (flat) and X (gloss) acrylic paints, as well as TS (spray) paints, are suggested.

Recommended Paints:

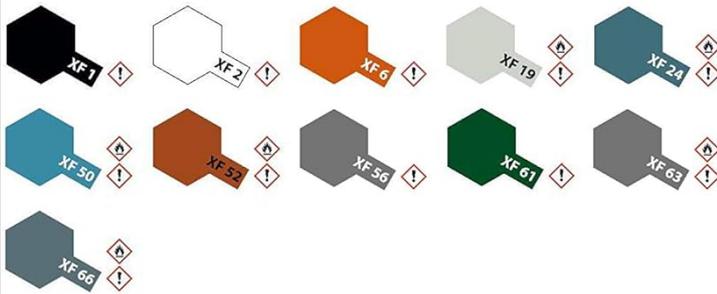
Art. Nr.	Bezeichnung (Description)
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Art. Nr.	Bezeichnung (Description)
300081301	XF-1 Schwarz matt 23ml (Flat Black)
300085006	TS-6 Schwarz matt 100ml (Flat Black Spray)
300081302	XF-2 Weiss matt 23ml (Flat White)
300081319	XF-19 Himmelgrau matt 23ml (Sky Grey)
300081324	XF-24 Dunkelgrau matt 23ml (Dark Grey)
300081350	XF-50 Feldbrau matt 23ml (Field Brown)
300081352	XF-52 Erde matt 23ml (Flat Earth)
300081356	XF-56 Metallic Grau matt 23ml (Metallic Grey)
300081361	XF-61 Dunkelgrün matt 23ml (Dark Green)
300081363	XF-63 German-Grau matt 23ml (German Grey)
300081366	XF-66 Hellgrau matt 23ml (Light Grey)
300081010	X-10 GUN METALL glänzend 23ml (Gun Metal Gloss)
300081012	X-12 Blatt-Gold glänzend 23ml (Gold Leaf Gloss)
300081013	X-13 METALLIC-BLAU glänzend 23ml (Metallic Blue Gloss)
300081018	X-18 Schwarz seidenmatt 23ml (Semi-Gloss Black)
300085032	TS-32 Nebelgrau matt 100ml (Haze Grey Spray)
300085033	TS-33 Rumpf-Rot matt 100ml (Hull Red Spray)
300085068	TS-68 Holzdeck Hellbraun matt 100ml (Deck Tan Spray)
300081020	X-20A Verdünner 23ml Acryl (Acrylic Thinner)

Note: Always test paints on a scrap piece before applying to the model. Ensure proper ventilation when painting.

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
300081302	XF-2 Weiss matt 23ml
300081306	XF-6 Kupfer 23ml
300081319	XF-19 Himmelgrau matt 23ml
300081324	XF-24 Dunkelgrau matt 23ml
300081350	XF-50 Feldblau matt 23ml
300081352	XF-52 Erde matt 23ml
300081356	XF-56 Metallic Grau matt 23ml
300081361	XF-61 Dunkelgrün matt 23ml
300081363	XF-63 German-Grau matt 23ml
300081366	XF-66 Hellgrau matt 23ml
300081010	X-10 GUN METALL glänzend 23 ml
300081012	X-12 Blatt-Gold glänzend 23 ml
300081013	X-13 METALLIC-BLAU glänzend 23 ml
300081018	X-18 Schwarz seidenmatt 23ml
300085006	TS-6 Schwarz matt 100ml
300085032	TS-32 Nebelgrau matt 100ml
300085033	TS-33 Rumpf-Rot matt 100ml
300085068	TS-68 Holzdeck Hellbraun matt 100ml
300081020	X-20A Verdünner 23ml Acryl

Figure 6: Tamiya Paint Color Guide

5. ASSEMBLY INSTRUCTIONS

Follow the detailed step-by-step instructions provided in the kit's manual. This section provides general guidance.

General Steps:

- Preparation:** Carefully remove parts from the sprues using side cutters. Clean any flash or mold lines with a hobby knife or fine sandpaper.
- Sub-Assemblies:** Assemble smaller sections first, such as turrets, superstructure levels, and aircraft. This allows for easier painting of intricate details.
- Hull Assembly:** The kit features a single-piece full hull. Attach deck sections, ensuring proper alignment. Use plastic cement sparingly.
- Superstructure:** Build up the multi-level superstructure, paying close attention to the fit of each component. The kit includes new tool features for enhanced detail.
- Weapons and Details:** Attach the main gun turrets, Harpoon and Tomahawk missile launchers, Phalanx CIWS, and SRBOC rocket launchers. Integrate the filigree mast lattice and other fine deck fittings.
- Photo-Etched Parts:** Carefully bend and attach the photo-etched parts (e.g., helicopter deck fences, watertight doors, radar components) using super glue or a specialized photo-etch adhesive.
- Aircraft:** Assemble the SH-60B helicopters, choosing between extended or stowed rotor configurations.
- Rigging:** Use the provided stainless steel wire to rig the Dicone-Cage antennae as per the manual.
- Decals and Flag:** Apply decals for hull markings and the helipad after painting is complete and sealed with a clear coat. Attach the printed paper flag.

10. **Final Assembly:** Mount the completed model onto the display stand.

Refer to the kit's detailed instruction booklet for specific part numbers and assembly sequences.



Figure 7: Assembled Stern Section Detail



Figure 8: Assembled Bow Section Detail

6. OPERATING (DISPLAY)

This model kit is designed for static display. Once assembled, ensure it is placed on a stable, level surface, ideally using the provided display stand. Avoid direct sunlight, extreme temperatures, and high humidity to prevent damage or warping of the plastic components and paint finish.

7. MAINTENANCE

Proper care will preserve the appearance of your model for years to come.

- **Cleaning:** Dust regularly with a soft, dry brush or a can of compressed air. Avoid using harsh chemicals or abrasive cloths, which can damage paint and plastic.
- **Handling:** Handle the model by its base or hull whenever possible. Avoid touching delicate parts like antennae, railings, or small weapons.
- **Storage:** If storing the model, place it in a dust-free, temperature-controlled environment. Consider a display case for long-term protection.
- **Repairs:** For minor repairs, use appropriate plastic cement or super glue. For paint touch-ups, use the original paint colors.

8. TROUBLESHOOTING

Here are solutions to common issues encountered during or after model assembly:

- **Parts Not Fitting:** Ensure parts are correctly oriented. Trim excess plastic (flash) if present. Light sanding may be required for a snug fit. Avoid forcing parts.
- **Poor Adhesive Bond:** Ensure surfaces are clean and free of paint or grease. Apply a thin, even layer of plastic cement. For photo-etched parts, use super glue.
- **Paint Issues (e.g., uneven coat, brush marks):** Ensure paint is properly thinned. Apply multiple thin coats rather than one thick coat. Allow adequate drying time between coats.
- **Decal Silvering:** Apply decals to a glossy surface. Use decal setting solutions to help them conform to irregular surfaces and eliminate air bubbles.
- **Broken Small Parts:** Use fine-tipped tweezers and a small amount of super glue for reattachment. If a part is lost or severely damaged, contact Tamiya for potential replacement parts (availability may vary).

9. SPECIFICATIONS

Feature	Detail
Brand	TAMIYA
Model Name	U.S. BATTLESHIP BB-63 MISSOURI (CIRCA 1991)
Item Model Number	TAM78029
Scale	1/350
Material	Plastic
Approx. Length	30.5 inches (774mm)

Feature	Detail
Approx. Beam	3.7 inches (94.5mm)
Recommended Age	16 years and up
Special Features	New tool features, photo-etched parts, filigree mast lattice, reference booklet
Paint Type	Acrylic
Item Weight	2.2 pounds (1 Kilogram)

10. WARRANTY AND SUPPORT

Tamiya products are manufactured to high standards. For any issues regarding missing or defective parts, please contact Tamiya customer support directly. Keep your proof of purchase. Specific warranty details may vary by region; refer to the packaging or Tamiya's official website for the most current information.

For additional support, resources, and community forums, visit the official Tamiya website or authorized hobby retailers.