

TAMIYA 78012

Tamiya 1/350 Scale Fletcher Class Destroyer Model Kit (Item 78012) Instruction Manual

INTRODUCTION

This instruction manual provides essential information for the assembly, painting, and care of your Tamiya 1/350 Scale Fletcher Class Destroyer model kit. The Fletcher Class destroyers were a significant part of the United States Navy during World War II, known for their speed and armament. This kit allows for the creation of a detailed replica of these historic warships. Please read all instructions carefully before beginning assembly.

SAFETY INFORMATION

WARNING: Not suitable for children under 8 years old. May contain small parts with sharp points. Adult supervision is recommended during assembly and painting. Always use tools and adhesives in a well-ventilated area. Keep all modeling supplies out of reach of small children and pets.

PACKAGE CONTENTS

Verify that all components are present before starting assembly. The kit typically includes:

- Plastic sprues containing hull, decks, weapons, and superstructure parts.
- Decal sheet for markings.
- Instruction booklet (this manual provides general guidance; refer to the kit's specific booklet for detailed step-by-step assembly).
- Display stand components.



Image: The Tamiya Fletcher Class Destroyer model kit box, showing the plastic parts on sprues and the instruction sheet inside.

SETUP AND PREPARATION

Recommended Tools

Successful model building requires a few basic tools. The following are highly recommended for this kit:

- **Plastic nippers/side cutters:** For cleanly removing parts from sprues.
- **Hobby knife/craft knife:** For trimming excess plastic (flash) and fine detailing.
- **Tweezers:** Essential for handling small, delicate parts.
- **Plastic cement/glue:** Specifically designed for polystyrene plastic models.
- **Sanding sticks/files:** For smoothing cut surfaces.
- **Masking tape:** For precise painting.
- **Paint brushes:** Various sizes for detail painting.

Empfohlenes Werkzeug / Recommended ToolsWerkzeuge / 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

Image: A visual guide to recommended tools and adhesives for model assembly, including nippers, tweezers, and plastic cement.

Paints Required

Painting is crucial for achieving a realistic finish. Tamiya recommends specific acrylic paints for accurate color representation of the Fletcher Class Destroyer. Refer to the kit's painting guide for exact color placement.

- XF-1 Flat Black
- XF-9 Hull Red
- XF-17 Sea Blue
- XF-24 Dark Grey
- XF-53 Neutral Grey
- X-10 Gun Metal (Gloss)
- X-11 Chrome Silver (Gloss)
- X-12 Gold Leaf (Gloss)
- X-20A Thinner

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
300081307	XF-7 Rot matt 23ml
300081309	XF-9 Rumpf-Rot matt 23ml
300081316	XF-16 Aluminium matt 23ml
300081317	XF-17 Seeblau matt 23ml
300081324	XF-24 Dunkelgrau matt 23ml
300081350	XF-50 Feldblau matt 23ml
300081353	XF-53 Neutral Grau matt 23ml
300081356	XF-56 Metallic Grau matt 23ml
300081010	X-10 GUN METALL glänzend 23 ml
300081011	X-11 CHROM SILBER glänzend 23 ml
300081012	X-12 Blatt-Gold glänzend 23 ml
300081020	X-20A Verdünner 23ml Acryl

Seite 1

Image: A chart detailing the specific Tamiya acrylic paints (flat and gloss) recommended for painting the model, along with their corresponding codes.

ASSEMBLY STEPS

The assembly of the Tamiya Fletcher Class Destroyer model kit is a multi-stage process requiring patience and precision. Always refer to the detailed, illustrated instruction booklet included in your kit for step-by-step guidance. The general sequence of assembly typically involves:

- Part Preparation:** Carefully remove parts from the sprues using nippers. Trim any excess plastic (flash) with a hobby knife and smooth edges with sanding sticks.
- Sub-Assemblies:** Build smaller sections first, such as turrets, lifeboats, and other deck equipment. It is often easier to paint these sub-assemblies before attaching them to the main hull.
- Hull Assembly:** Assemble the main hull sections. Ensure a strong bond and fill any gaps if necessary.
- Deck and Superstructure:** Attach the deck to the hull, followed by the main superstructure components.
- Detailing:** Add smaller details like railings, antennas, and other delicate parts. These often require tweezers and a steady hand.
- Painting:** Apply primer, then base coats, followed by detail painting according to the camouflage scheme provided in the kit instructions. Allow adequate drying time between coats.
- Decals:** Apply decals carefully using water and a decal setting solution for best results.
- Final Assembly:** Attach any remaining painted sub-assemblies and the display stand.

Pay close attention to the fit of each part. Tamiya kits are known for their excellent engineering, ensuring

parts fit together precisely when prepared correctly.

MAINTENANCE AND CARE

Once assembled, your Tamiya Fletcher Class Destroyer model requires minimal maintenance to preserve its appearance:

- Dusting:** Regularly dust the model with a soft, dry brush or a can of compressed air to prevent dust buildup in intricate areas.
- Cleaning:** Avoid using harsh chemicals or abrasive cleaners. If necessary, gently wipe surfaces with a slightly damp cloth, then dry immediately.
- Display:** Display the model in a stable location away from direct sunlight, extreme temperatures, and high humidity to prevent fading, warping, or damage to adhesives and paint.
- Handling:** Handle the model by its base or main hull whenever possible to avoid damaging delicate parts.

TROUBLESHOOTING COMMON ISSUES

While Tamiya kits are generally well-engineered, model builders may encounter common challenges:

- Parts not fitting:** Ensure all sprue gates and flash are completely removed. Dry-fit parts before applying glue. If a part is slightly warped, gentle heat (e.g., from a hairdryer) can sometimes correct it, but proceed with caution.
- Gaps between parts:** Small gaps can be filled with plastic putty or stretched sprue. Sand smooth once dry.
- Paint issues:** Ensure surfaces are clean and free of oils before painting. Apply thin coats to avoid obscuring detail. Allow sufficient drying time between coats. If paint peels, the surface may not have been properly prepared or primed.
- Decal silvering:** This occurs when air is trapped under the decal. Use a decal setting solution to help the decal conform to the surface and eliminate air bubbles. Ensure the surface is glossy before applying decals.
- Broken small parts:** Many small parts can be reattached with a tiny amount of plastic cement. For very fine parts, consider using super glue (cyanoacrylate) with a fine applicator.

SPECIFICATIONS

Feature	Detail
Brand	TAMIYA
Model Name	Fletcher Class Destroyer
Item Number	78012
Scale	1:350
Material Type	Plastic

Item Dimensions (L x W x H)	12.91 x 1.34 x 4.07 inches (approximate finished model size)
Item Weight	0.55 Pounds (kit weight)
Age Range (Description)	Adult (Recommended for experienced modelers due to small parts)
Included Components	Hull, decks, weapons, superstructure, decals, display stand

WARRANTY INFORMATION

This product is a plastic model kit and is typically sold without a manufacturer's warranty. Please inspect all parts upon receipt. For any issues regarding missing or defective parts, contact the retailer or Tamiya customer service immediately after purchase.

CUSTOMER SUPPORT

For further assistance or inquiries regarding your Tamiya Fletcher Class Destroyer model kit, please refer to the contact information provided by your retailer or visit the official Tamiya website for support resources and frequently asked questions.

Online resources often provide valuable tips and techniques from experienced modelers that can enhance your building experience.