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## Voyager Model PE35880

# Voyager Model PE35880 1/35 German Tiger I Mid Edition Etching Set Instruction Manual

Enhance your Ryfield Model RM5010 German Tiger I Mid Edition Plastic Model Kit

## 1. INTRODUCTION

This instruction manual provides guidance for the assembly and integration of the Voyager Model PE35880 photo-etched detail set. This set is designed to upgrade and enhance the detail of the Ryfield Model RM5010 1/35 scale German Tiger I Mid Edition plastic model kit. It includes various metal parts such as mudguards, side skirts, and other intricate components to achieve a higher level of realism.

**Important: This product consists of detail parts for a plastic model. The plastic model kit itself is not included and must be purchased separately. Assembly requires specialized tools, adhesives, and paints, which are also sold separately.**

## 2. SAFETY INFORMATION

- **Small Parts:** This kit contains small parts that may pose a choking hazard. Keep out of reach of small children.
- **Sharp Edges:** Photo-etched parts can have sharp edges. Handle with care to prevent cuts.
- **Adhesives:** Use adhesives in a well-ventilated area. Follow the safety instructions provided by the adhesive manufacturer.
- **Tools:** Exercise caution when using hobby knives, cutters, and other sharp tools. Adult supervision is recommended for younger users.
- **Not a Toy:** This product is a scale model accessory, not a toy.

## 3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The PE35880 etching set typically includes:

- Photo-etched brass sheets containing various detail parts (e.g., mudguards, side skirts, engine grilles, clasps).
- Resin tow wire tag eye.
- Grinding cleaning rod.

- Instruction sheet (often a diagrammatic guide for part placement).



Image 1: Contents of the Voyager Model PE35880 etching set, showing multiple photo-etched sheets, a grinding rod, and a resin tow wire tag eye.

## 4. TOOLS REQUIRED FOR ASSEMBLY

The following tools are recommended for working with photo-etched parts:

- **Hobby Knife:** For carefully removing parts from the fret.
- **Fine-tipped Tweezers:** Essential for handling small and delicate photo-etched parts.
- **Photo-Etch Bending Tool:** Highly recommended for precise bending of metal parts.
- **Super Glue (Cyanoacrylate Adhesive):** For attaching metal parts to each other and to the plastic model.
- **Sanding Sticks/Files:** For cleaning attachment points and refining edges.
- **Cutting Mat:** To protect your work surface.

## 5. ASSEMBLY INSTRUCTIONS (SETUP)

Follow these general steps for integrating the photo-etched parts into your Ryfield Model RM5010 kit:

- Review Instructions:** Carefully study both the Voyager Model etching set's diagrammatic instructions and the Ryfield Model kit's instructions. Identify which plastic parts need to be removed or modified to accommodate the photo-etched replacements.
- Part Removal:** Using a hobby knife or fine cutters, carefully remove the desired photo-etched part from its fret. Be gentle to avoid bending or damaging the part.
- Clean Edges:** Lightly sand or file any small attachment points (nubs) left on the part after removal.
- Bending:** If a part requires bending, use a photo-etch bending tool for crisp, clean folds. For simple bends, two flat-nosed pliers can be used, but exercise extreme caution.
- Test Fit:** Before applying adhesive, always test fit the photo-etched part to its intended location on the plastic model. Make any necessary adjustments.
- Adhesion:** Apply a small amount of super glue to one of the mating surfaces. Use tweezers to carefully place the photo-etched part into position and hold it until the glue sets. Avoid using too much glue, as it can obscure fine detail.
- Repeat:** Continue this process for all relevant photo-etched parts, working systematically through the model.

Specific components like mudguards and side skirts will require careful alignment and attachment. The grinding cleaning rod and resin tow wire tag eye should be integrated according to the main model kit's instructions or the etching set's diagrams.

## 6. USAGE AND INTEGRATION

Once assembled, the photo-etched parts become an integral part of your plastic model. They are designed to replace or augment existing plastic details, providing a more refined and accurate appearance. Handle the model with care, especially around delicate photo-etched components, to prevent accidental bending or detachment.

## 7. MAINTENANCE

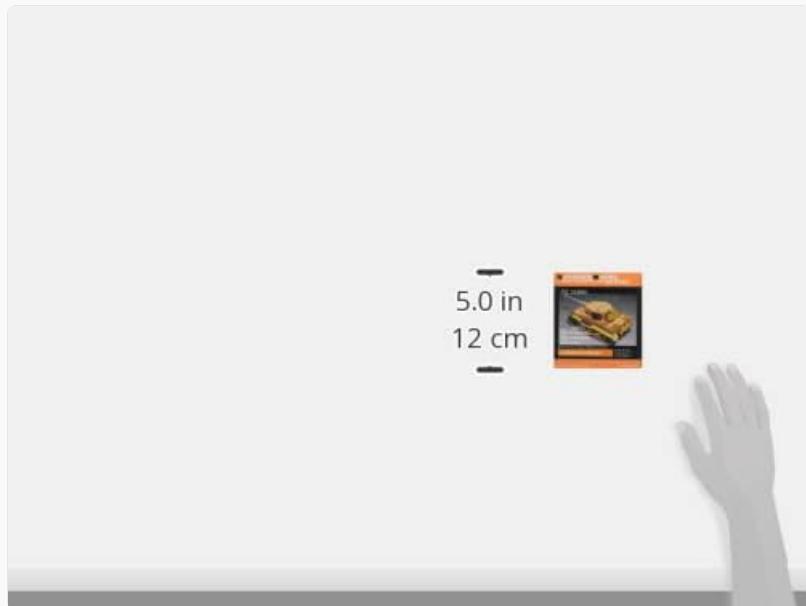
Photo-etched parts, once properly attached and painted, require minimal maintenance. Keep the finished model in a dust-free environment. If cleaning is necessary, use a soft brush or a gentle air blower to remove dust. Avoid harsh chemicals or excessive moisture, as these can damage paint or adhesive bonds.

## 8. TROUBLESHOOTING

- Part Bends/Breaks:** Photo-etched parts are delicate. If a part bends, try to gently straighten it with tweezers. If it breaks, super glue can often repair it, but precision is key.
- Poor Adhesion:** Ensure surfaces are clean and free of paint or mold release agents. Use fresh super glue and apply adequate pressure for a few seconds.
- Parts Don't Fit:** Double-check the instructions and ensure you are using the correct part for the correct location. Minor adjustments to the plastic kit or the photo-etched part may sometimes be necessary.

## 9. SPECIFICATIONS

- **Model Number:** PE35880
- **Brand:** Voyager Model
- **Scale:** 1:35 Scale
- **Material:** Metal (Photo-Etched Brass), Resin
- **Assembly Required:** Yes
- **Number of Pieces:** 1 (set)
- **Compatibility:** Designed for Ryfield Model RM5010 German Tiger I Mid Edition
- **Package Dimensions:** Approximately 12.3 x 11.3 x 2.6 cm
- **Item Weight:** Approximately 60 g
- **UPC:** [4589936678027](https://www.upcitemdb.com/upc/4589936678027)



*Image 2: Illustrative image showing the approximate dimensions of the product packaging (5.0 inches / 12 cm).*

## 10. WARRANTY AND SUPPORT

This product is a detail accessory for scale models. Due to the delicate nature of photo-etched parts and the skill required for assembly, specific warranties may vary. For technical support, missing parts, or inquiries regarding the Voyager Model PE35880 set, please refer to the manufacturer's official website or contact your retailer.

**Official Website:** <http://www.voyagermodel.com>

**Support Email:** [support@voyagermodel.com](mailto:support@voyagermodel.com)