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› [Eduard](#) /

› Instruction Manual for Eduard 1:24 Typhoon Mk.Ib Wing Armament Detail Set

Eduard EDU23021

Instruction Manual

EDUARD 1:24 TYPHOON MK.IB WING ARMAMENT DETAIL SET

Model: EDU23021

1. Product Overview

The Eduard 1:24 Typhoon Mk.Ib Wing Armament Detail Set (Model EDU23021) is a precision photo-etch accessory designed to enhance the detail of the Airfix 1:24 scale Hawker Typhoon Mk.Ib model kit. This set provides highly detailed components to upgrade the wing armament sections, offering a level of realism not achievable with standard plastic parts.

This kit includes photo-etched metal parts, which are thin, flat pieces of metal with intricate details etched into them. These parts are intended to replace or augment existing plastic components of the base model kit, providing finer scale detail and accuracy.

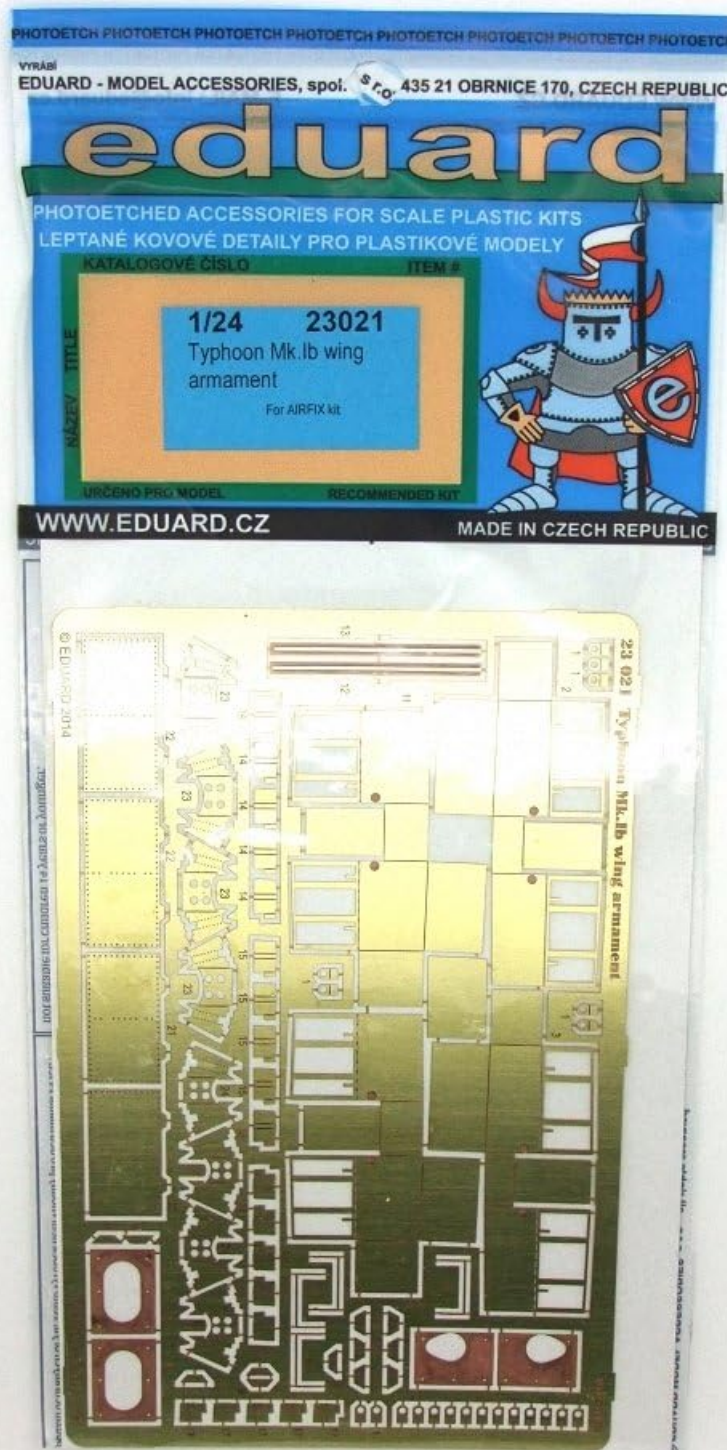


Figure 1: Packaging of the Eduard 1:24 Typhoon Mk.Ib Wing Armament Detail Set (EDU23021). The image displays the product's retail packaging, featuring the Eduard brand logo, product name "1/24 23021 Typhoon Mk.Ib wing armament For AIRFIX kit", and a detailed view of the brass photo-etch fret included in the set. The fret contains numerous small, intricately etched metal parts designed for enhancing the model kit.

2. Package Contents

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

- One (1) Photo-Etch Fret: Contains various detailed metal parts for the Typhoon Mk.Ib wing armament.
- Instruction Sheet: A diagrammatic guide illustrating the placement and assembly of the photo-etch parts onto the Airfix

model kit.

Note: The base Airfix 1:24 Hawker Typhoon Mk.Ib model kit is sold separately and is required for the use of this detail set.

3. Preparation and Tools Required

Before beginning assembly, ensure you have a clean, well-lit workspace. Working with photo-etch parts requires precision and specific tools.

Recommended Tools:

- **Sharp Hobby Knife or Razor Blade:** For carefully cutting photo-etch parts from the fret.
- **Fine-Tip Tweezers:** Essential for handling small photo-etch parts.
- **Photo-Etch Bending Tool:** Highly recommended for precise bending of metal parts.
- **Super Glue (Cyanoacrylate Adhesive):** For attaching photo-etch parts. Use a gel type for better control.
- **Accelerator (Optional):** To speed up super glue curing.
- **Sanding Sticks or Fine Files:** For cleaning up attachment points on plastic parts.
- **Magnifying Glass or Optivisor:** For better visibility of small details.

Safety Precautions:

- Always work in a well-ventilated area when using adhesives.
- Exercise extreme caution when using sharp tools.
- Keep small parts away from children and pets.

4. Assembly Instructions (Operating)

Follow the numbered steps and diagrams provided on the Eduard instruction sheet included with your detail set. The general process involves:

1. **Identify Parts:** Carefully match the photo-etch parts on the fret to the corresponding numbers or shapes on the instruction diagram.
2. **Remove Parts:** Using a sharp hobby knife or razor blade, carefully cut the desired photo-etch part from the fret. Apply gentle pressure to avoid bending or damaging the part. Some parts may require light sanding of the attachment point after removal.
3. **Bend Parts (if required):** Many photo-etch parts need to be bent into specific shapes. Use a photo-etch bending tool for precise, clean bends. For simple bends, two flat-edged razor blades or a ruler can be used. Always bend slowly and carefully to avoid metal fatigue.
4. **Prepare Model Kit:** Refer to the Eduard instructions to identify which plastic parts of the Airfix model kit need to be removed, modified, or replaced. Use your hobby knife or sanding tools to carefully prepare the plastic surfaces for the new photo-etch parts.
5. **Attach Parts:** Apply a very small amount of super glue to the attachment point on the plastic model or directly to the photo-etch part. Use tweezers to carefully position the photo-etch part onto the model. Hold in place until the glue sets. For very small parts, a toothpick or fine wire can be used to apply glue.
6. **Repeat:** Continue this process for all photo-etch parts as indicated in the instruction diagrams. Work systematically to avoid missing any steps.

Tip: It is often beneficial to prime and paint photo-etch parts separately before attaching them, especially if they are a different color than the surrounding plastic.

5. Care and Handling (Maintenance)

Photo-etch parts are delicate and require careful handling to prevent damage. Follow these guidelines:

- **Storage:** Store unused photo-etch frets in their original packaging or a protective container to prevent bending or loss of parts. Keep them flat and away from moisture.
- **Handling:** Always use fine-tip tweezers when handling photo-etch parts. Avoid touching them with bare fingers as oils can affect paint adhesion.
- **Cleaning:** If parts become dirty or oily, gently clean them with a mild soap solution and a soft brush, then rinse thoroughly and allow to air dry completely before use.
- **Painting:** For best results, clean the photo-etch parts with isopropyl alcohol before priming and painting to ensure good adhesion.

6. Troubleshooting Tips

While working with photo-etch is straightforward, some common challenges may arise:

- **Part Bends Incorrectly:** If a part bends in the wrong place, gently try to straighten it using flat-jaw pliers or tweezers. If the metal fatigues and breaks, a replacement part may be necessary (check if the fret has spares, or contact Eduard support).
- **Part Flies Away:** Photo-etch parts are tiny and can easily be lost. Work over a clean, light-colored surface (like a cutting mat) to make dropped parts easier to find. Use a small piece of masking tape to pick up very small parts.
- **Glue Blobs:** Use minimal super glue. Apply it with a toothpick or a fine needle. If a blob occurs, allow it to dry completely, then carefully scrape or sand it away.
- **Poor Adhesion:** Ensure both the photo-etch part and the plastic surface are clean and free of dust, oil, or mold release agents. Lightly scuffing the plastic surface can also improve adhesion.

7. Specifications

Attribute	Detail
Brand	Eduard
Model Number	EDU23021
Scale	1:24
Product Type	Photo-Etch Detail Set
Compatibility	Airfix 1:24 Hawker Typhoon Mk.Ib model kit
Material	Metal (Photo-Etched Brass)
Item Dimensions (L x W x H)	9.25 x 3.94 x 0.2 inches (packaging)
Item Weight	0.64 ounces
Number of Pieces	1 (fret, containing multiple individual parts)
UPC	748224469974

8. Support Information

For further assistance, missing parts, or detailed inquiries regarding the Eduard 1:24 Typhoon Mk.Ib Wing Armament Detail Set, please contact Eduard Model Accessories directly.

Manufacturer: Eduard Model Accessories, spol. s r.o.

Address: 435 21 Obrnice 170, Czech Republic

Website: www.eduard.com (Please note: The packaging shows www.eduard.cz, but .com is their international site)

When contacting support, please provide the product model number (EDU23021) and a clear description of your issue.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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