

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [Metal Earth](#) /

› Metal Earth Lockheed Martin U-2 Dragon Lady 3D Metal Model Kit (MMS214) Instruction Manual

Metal Earth MMS214

Metal Earth Lockheed Martin U-2 Dragon Lady 3D Metal Model Kit (MMS214) Instruction Manual

Model Number: MMS214



1. INTRODUCTION

This instruction manual provides comprehensive guidance for assembling your Metal Earth Lockheed Martin U-2 Dragon Lady 3D Metal Model Kit. This kit allows you to construct a detailed replica of the iconic U-2 Dragon Lady surveillance aircraft using precision-etched metal sheets. No glue or solder is required for assembly.

The finished model dimensions are approximately 4.70 inches (L) x 7.90 inches (W) x 2.40 inches (H), at a 1:157 scale.



Image 1.1: The fully assembled Metal Earth U-2 Dragon Lady model.

2. SAFETY INFORMATION

WARNING: This product contains small parts and sharp edges. Use caution during assembly, especially around young children. Not suitable for children under 14 years of age.

- Always handle metal sheets and parts with care to avoid cuts.
- Keep small parts away from children to prevent choking hazards.
- Work in a well-lit area with a clean, stable surface.

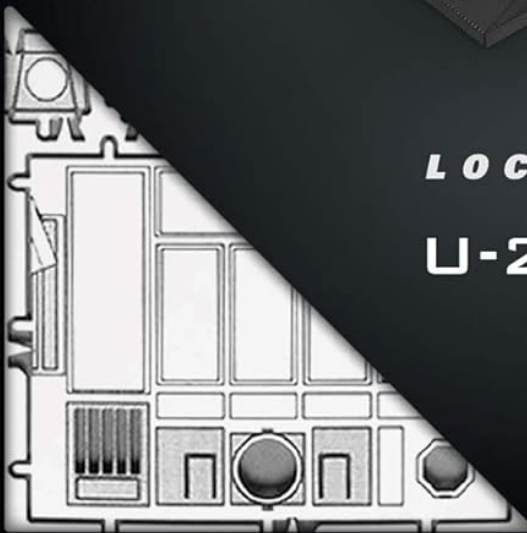
3. PACKAGE CONTENTS

Your Metal Earth Lockheed Martin U-2 Dragon Lady kit includes:

- Two (2) precision-etched metal sheets containing all model components.
- One (1) set of illustrated assembly instructions.

U-2 DRAGON LADY®
2-Sheet Model

**Metal
Earth.**



LOCKHEED MARTIN



U-2 DRAGON LADY®

1:157 SCALE

STEEL MODEL KIT
NO GLUE REQUIRED

AGES 14+

Image 3.1: Front view of the Metal Earth U-2 Dragon Lady kit packaging.



Image 3.2: The metal sheets transform into the 3D model.

4. RECOMMENDED TOOLS

While no special tools are strictly required, the following are highly recommended for a smoother and more precise assembly experience:

- **Clippers:** For cleanly detaching parts from the metal sheets.
- **Tweezers:** Essential for bending and twisting connection tabs, and handling small parts.
- **Needle-Nose Pliers:** Useful for shaping and securing tabs.

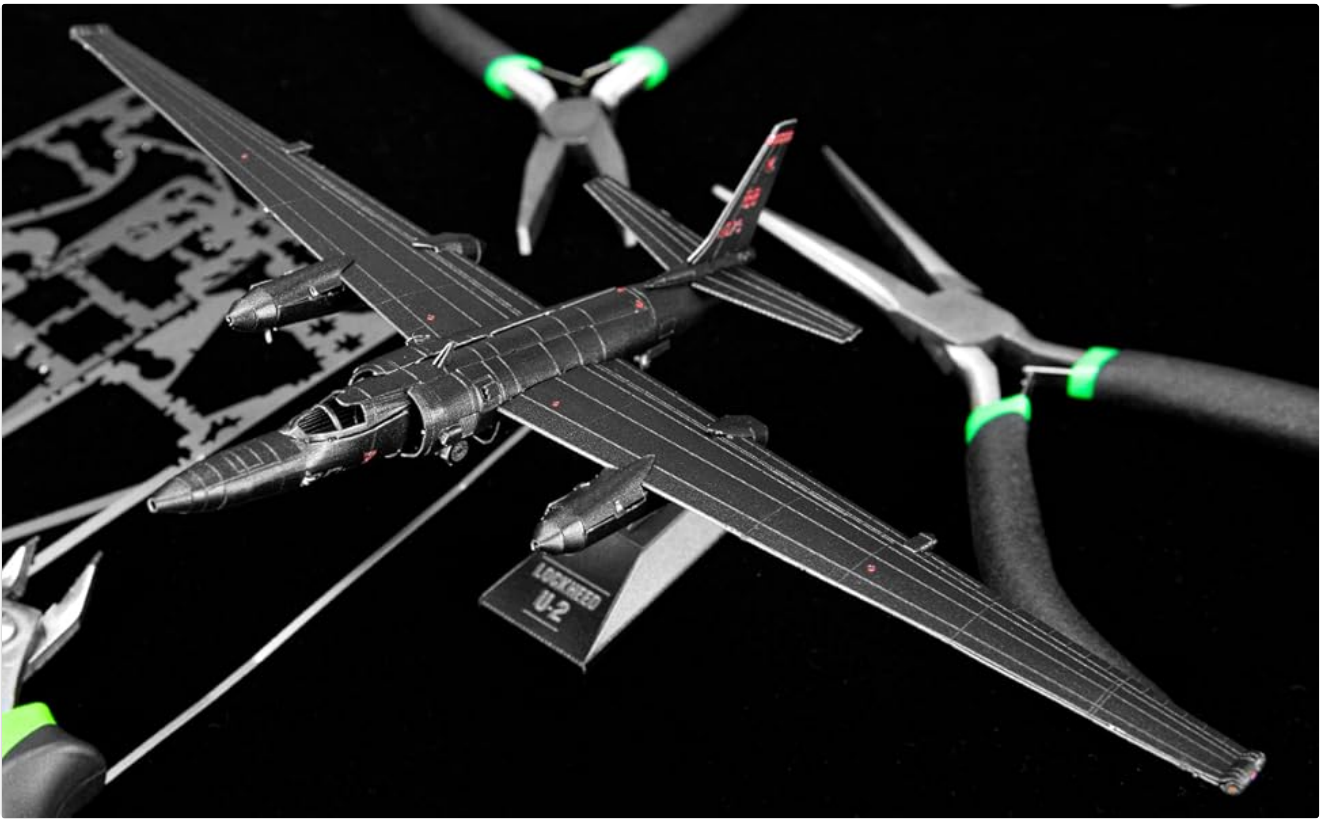


Image 4.1: Recommended tools for assembly.

5. ASSEMBLY INSTRUCTIONS

Follow the illustrated instructions provided in your kit and refer to the general guidelines below. For a 360-degree interactive view of the model and additional tips, visit metalearth.com/360/mms214.

5.1 General Guidelines

- **Part Identification:** Each part on the metal sheets is numbered. Refer to the instruction diagrams to identify the correct parts for each step.
- **Detaching Parts:** Carefully clip parts from the metal sheets using clippers. Avoid bending or twisting parts while still attached to the sheet.
- **Bending:** Bend parts along etched lines. Use the edge of a ruler or pliers for straight bends. For curved parts, use cylindrical objects (e.g., pens, drill bits) to achieve the desired curvature.
- **Connecting:** Parts connect using small tabs that insert into corresponding slots. Once inserted, bend or twist the tab to secure the connection.

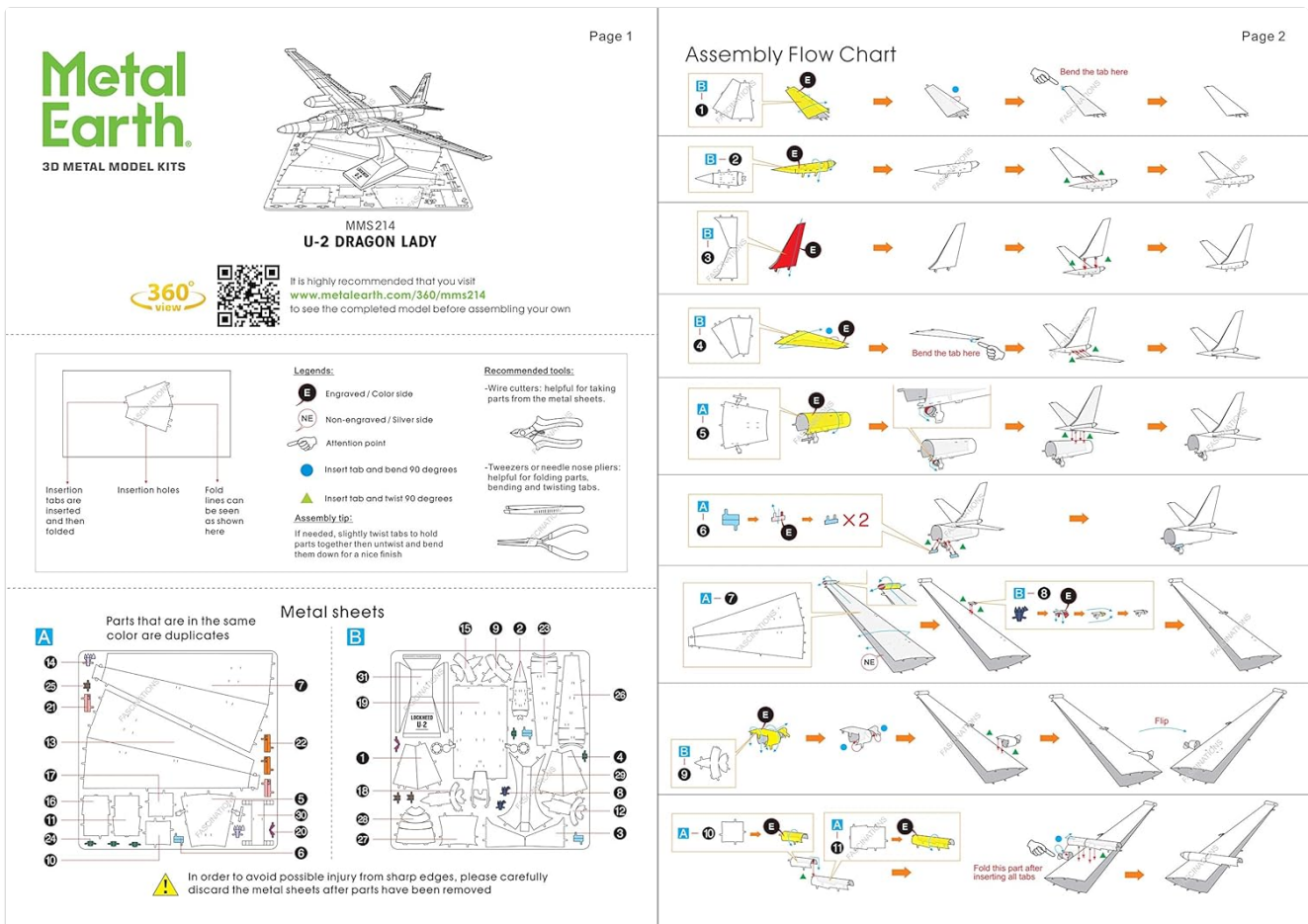


Image 5.1: Excerpt from the assembly flow chart, illustrating various steps.

5.2 Step-by-Step Assembly Process

- Preparation:** Lay out your metal sheets and tools on a clean, flat surface. Familiarize yourself with the parts and the overall assembly flow by reviewing the instruction diagrams.
- Clipping Parts:** Identify the first part needed. Using clippers, carefully detach the part from the metal sheet. Ensure a clean cut to avoid burrs.

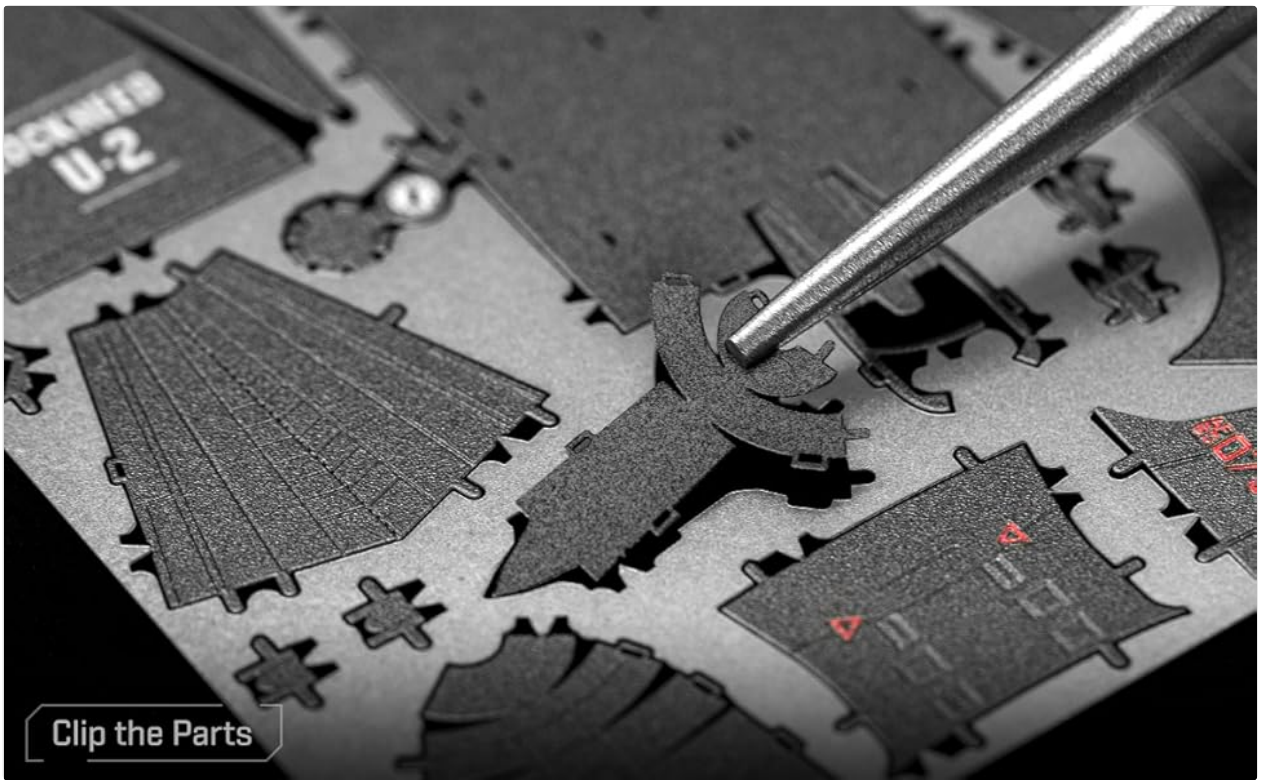


Image 5.2: Clipping parts from the metal sheet.

3. **Bending and Folding:** Many parts require bending or folding. Follow the etched lines and indicated angles in the instructions. Use flat-nose pliers or the edge of a ruler for precise straight bends. For curved sections, gently shape the metal around a suitable cylindrical object.

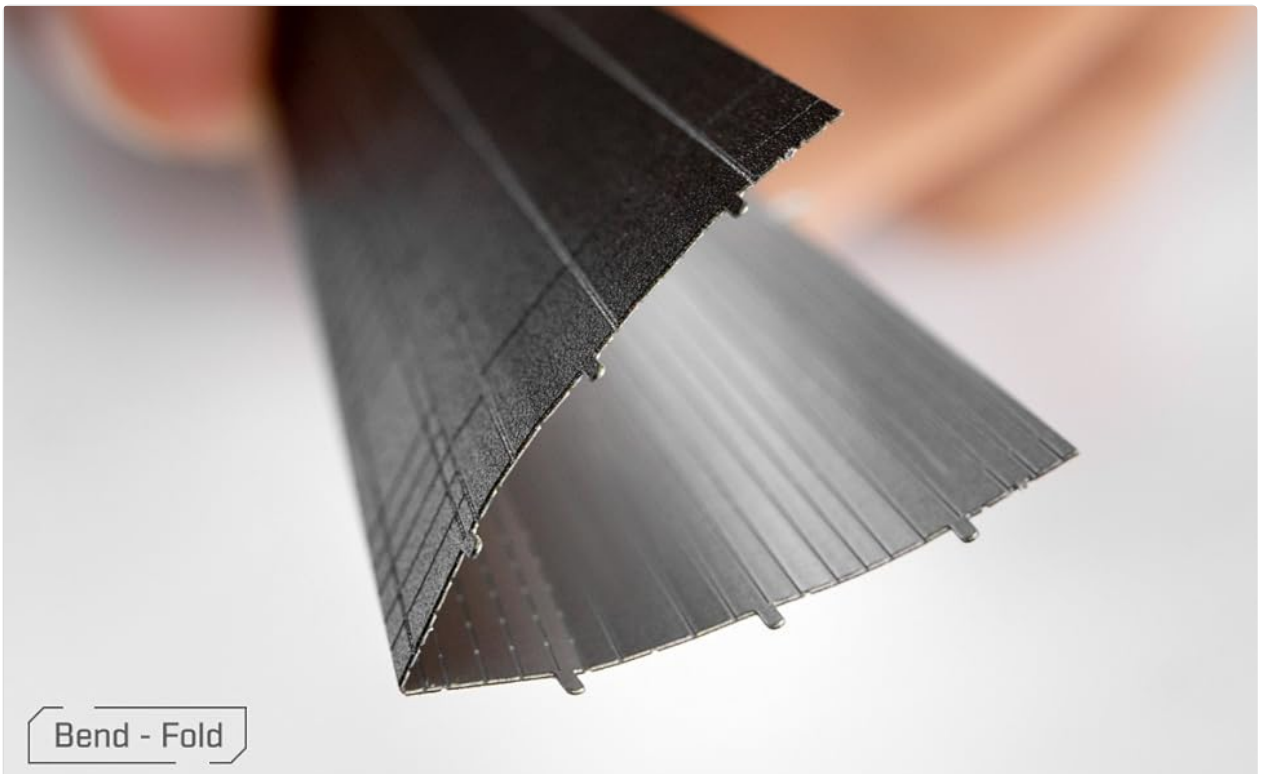


Image 5.3: Demonstrating a bend or fold.

4. **Connecting Parts (Tabs and Holes):** Align the tabs on one part with the corresponding holes on another. Gently push the tabs through the holes.



Image 5.4: Inserting tabs into holes.

5. **Securing Connections (Bend/Twist):** Once tabs are through the holes, use tweezers or needle-nose pliers to bend or twist the tabs to secure the connection. Refer to the instruction diagrams for the recommended method (bend flat or twist 90 degrees).



Image 5.5: Bending or twisting tabs to secure parts.

6. **Continue Assembly:** Proceed through the remaining steps in the instruction manual, carefully following the diagrams and applying the techniques learned. Pay close attention to the orientation of parts.

6. SPECIFICATIONS

Feature	Detail
Brand	Metal Earth
Model Name	U-2 Dragon Lady
Model Number	MMS214
Material	Metal
Color	Black
Assembled Dimensions (L x W x H)	4.7 x 7.9 x 2.4 inches
Scale	1:157
Number of Pieces	44
Assembly Required	Yes
Estimated Assembly Time	2 Hours (varies by individual skill)
Recommended Age	14+

7. TROUBLESHOOTING TIPS

- **Difficulty Detaching Parts:** Ensure you are using sharp clippers and applying even pressure. Wiggling parts off can cause bending or damage.
- **Tabs Not Holding:** Ensure tabs are fully inserted into their slots before bending or twisting. If a tab breaks, try to secure the connection with an adjacent tab or a small amount of modeling adhesive (not included).
- **Parts Not Aligning:** Double-check the part numbers and orientation against the instruction diagrams. Sometimes a slight adjustment or re-bending of a tab is needed.
- **Bending Difficulties:** For very small or intricate bends, use the fine tips of tweezers. For larger curves, use objects of varying diameters to achieve the correct shape gradually.
- **Model Instability:** Ensure all connections are securely fastened. If the model feels wobbly, re-examine the base and main structural connections.

8. CARE AND MAINTENANCE

Once assembled, your Metal Earth model is a display piece. To maintain its appearance:

- **Cleaning:** Dust gently with a soft, dry cloth or a soft brush. Avoid using liquids or abrasive cleaners, which can damage the metal finish.
- **Handling:** Handle the model by its base or main body to avoid bending delicate parts.
- **Display:** Display the model in a stable location away from direct sunlight, extreme temperatures, or high humidity to prevent discoloration or material degradation.

9. WARRANTY AND SUPPORT

Metal Earth products are designed for quality and precision. If you encounter any issues with missing or defective parts, please contact Fascinations customer support directly. Refer to the packaging for contact information or visit the official Metal Earth website for assistance.

This product is intended for hobbyists aged 14 and up. The manufacturer is not responsible for damage caused by improper assembly or handling.



© 2020 Fascinations Inc. All rights reserved. Metal Earth® is a registered trademark.
For more models and information, visit www.metalearth.com