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› Metal Earth Excavator 3D Metal Model Kit MMS185 Instruction Manual

Metal Earth MMS185

Metal Earth Excavator 3D Metal Model Kit MMS185 Instruction Manual

Model: MMS185

1. INTRODUCTION

Thank you for choosing the Metal Earth Excavator 3D Metal Model Kit. This kit allows you to construct a detailed replica of an excavator using precision-etched steel sheets. No glue or solder is required for assembly. This manual provides step-by-step instructions to guide you through the building process.

The Metal Earth Excavator model is designed for hobbyists aged 14 and up, offering a challenging yet rewarding building experience. Once completed, the model measures approximately 4.57 (L) x 1.46 (W) x 2.52 (H) inches.



Image: Side view of the fully assembled Metal Earth Excavator model.

2. SAFETY INFORMATION

- **Small Parts Warning:** This kit contains small parts which may pose a choking hazard. Keep out of reach of children under 3 years of age.
- **Sharp Edges:** Metal sheets may have sharp edges. Handle with care to avoid cuts.
- **Recommended Age:** This product is recommended for ages 14 and up.
- **Adult Supervision:** Adult supervision is recommended for younger builders.

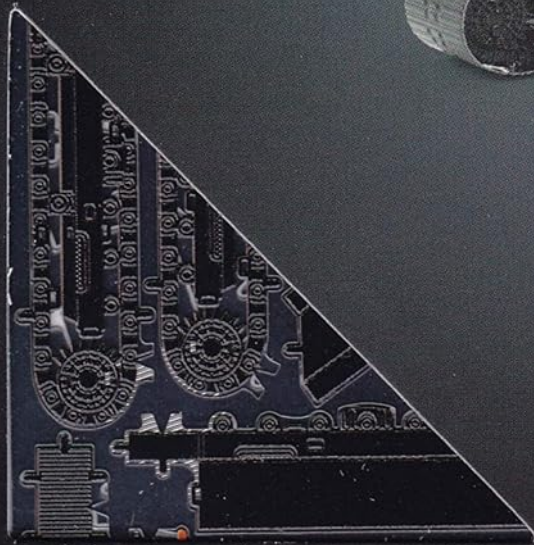
3. PACKAGE CONTENTS

Your Metal Earth Excavator kit includes:

- Two (2) precision-etched steel sheets with model parts.
- One (1) instruction manual.

EXCAVATOR
2-Sheet Model

Metal Earth®



EXCAVATOR

STEEL MODEL KIT
NO GLUE REQUIRED

AGES 14+

Image: Front view of the Metal Earth Excavator kit packaging, showing the assembled model and kit details.

4. TOOLS REQUIRED

While no glue or solder is needed, specific tools are highly recommended for optimal assembly and to prevent damage to parts:

- **Clippers:** For safely detaching parts from the metal sheets.
- **Tweezers:** Essential for bending and twisting the small connection tabs.
- **Needle Nose Pliers:** Useful for precise bending and shaping of parts.
- **Flat Nose Pliers:** Can assist with holding and bending larger tabs.



Image: Recommended tools for assembly, including clippers, various pliers, and tweezers.

5. ASSEMBLY INSTRUCTIONS

Follow these steps carefully to assemble your Metal Earth Excavator model. Refer to the included diagrams for visual guidance.

5.1 Detaching Parts

Carefully clip each part from the metal sheets. Avoid bending or twisting parts while still attached to the sheet. Use clippers for a clean break.

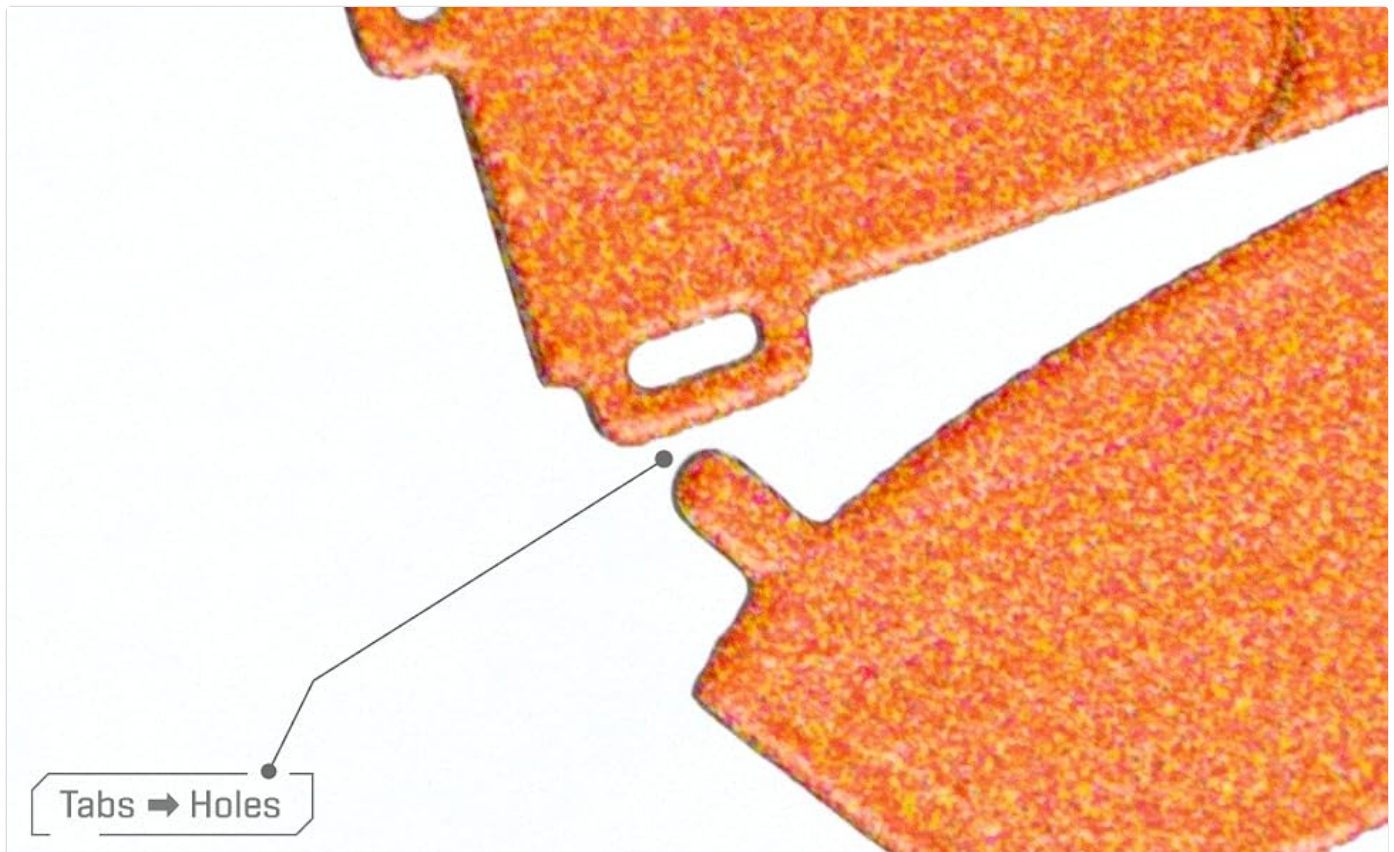


Image: A hand using clippers to carefully detach a part from the metal sheet.

5.2 Bending and Folding

Many parts require bending or folding. Use tweezers or needle nose pliers for precise bends. Always bend along the etched lines as indicated in the instructions.

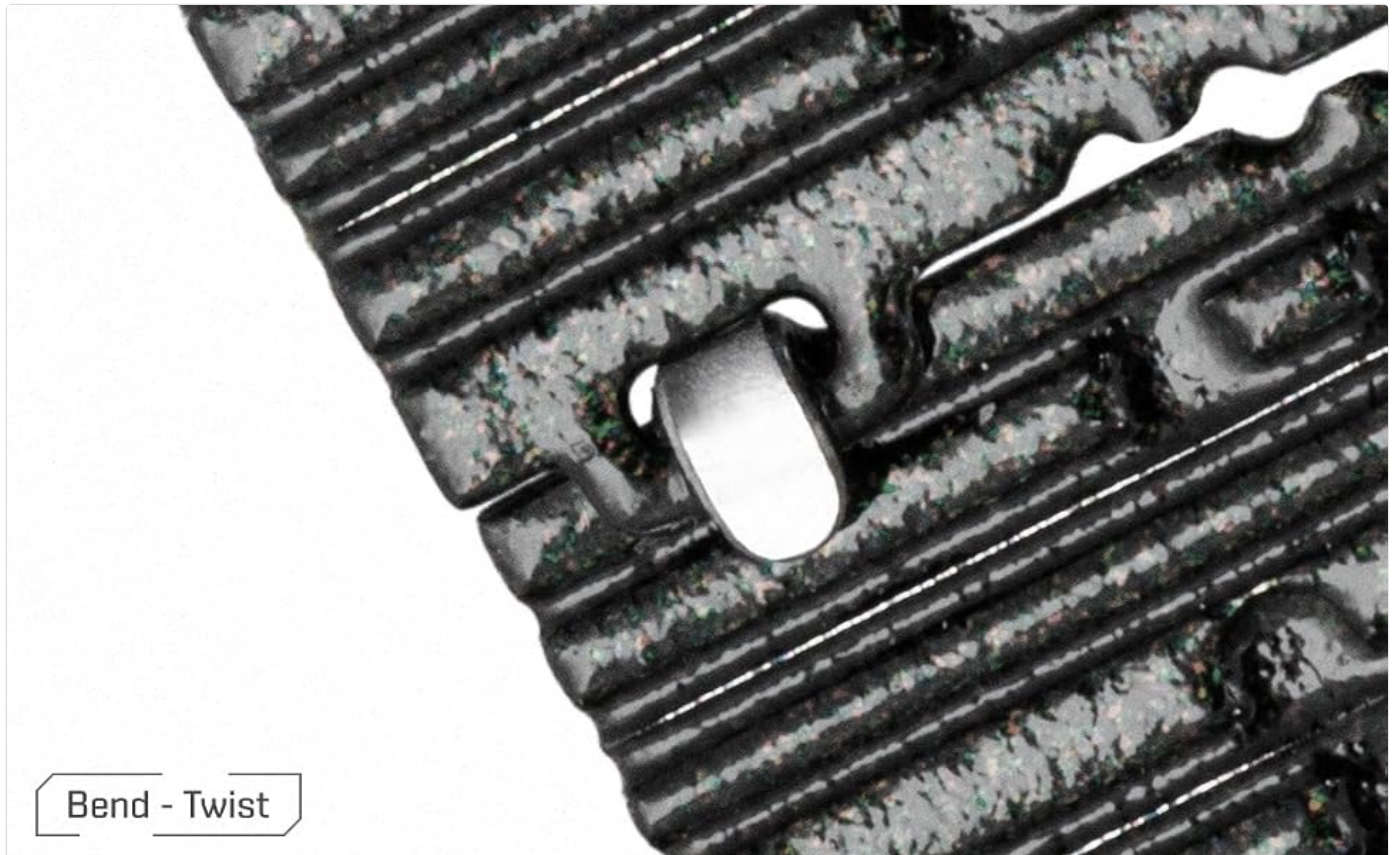


Image: Tweezers are used to bend a small metal part, demonstrating a precise fold.

5.3 Connecting Parts (Tabs and Holes)

Parts are connected by inserting tabs into corresponding holes. Once a tab is inserted, bend or twist it to secure the connection. Refer to the diagrams for the correct bending/twisting direction.

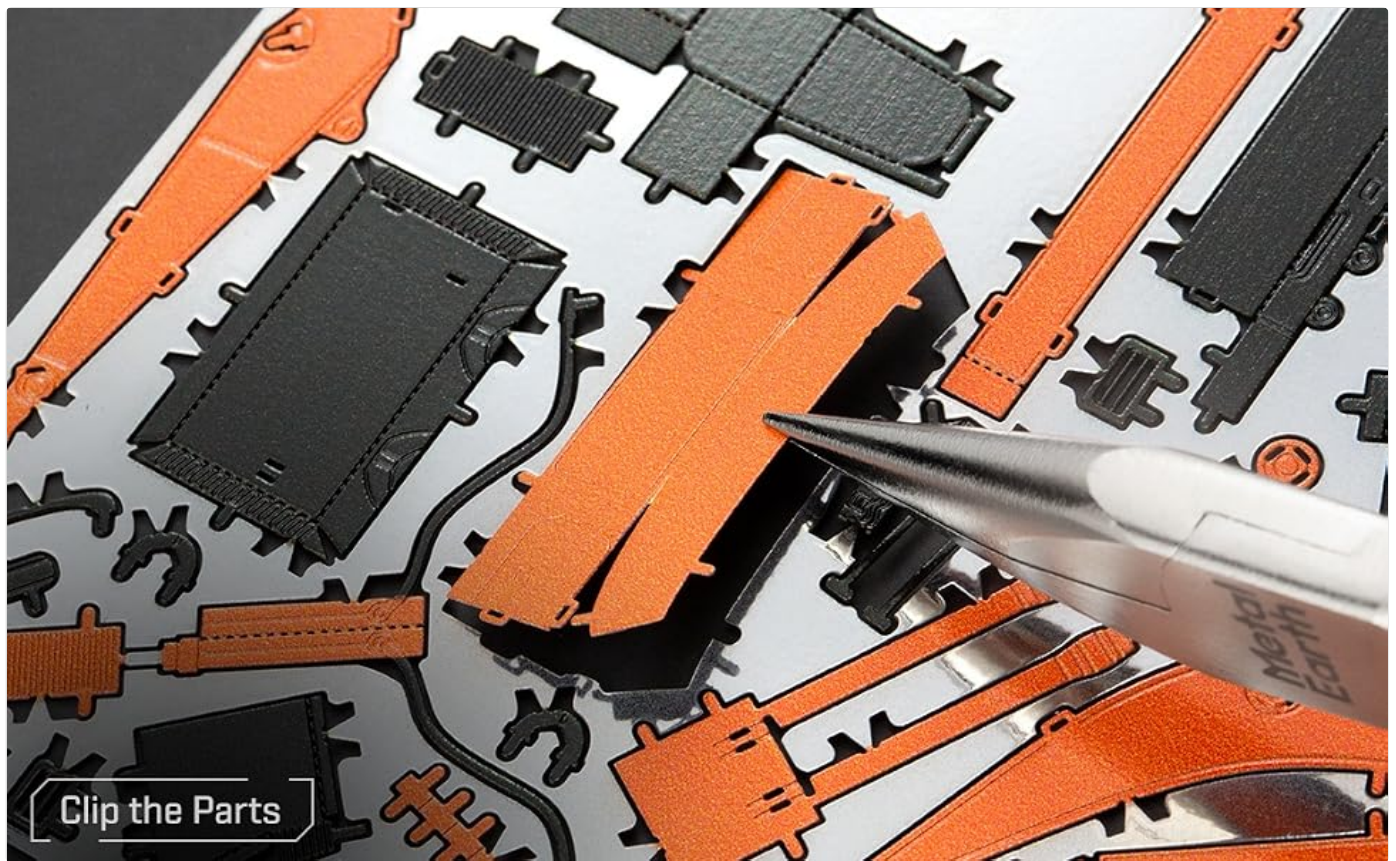


Image: A close-up illustrating how tabs are inserted into holes for connection.

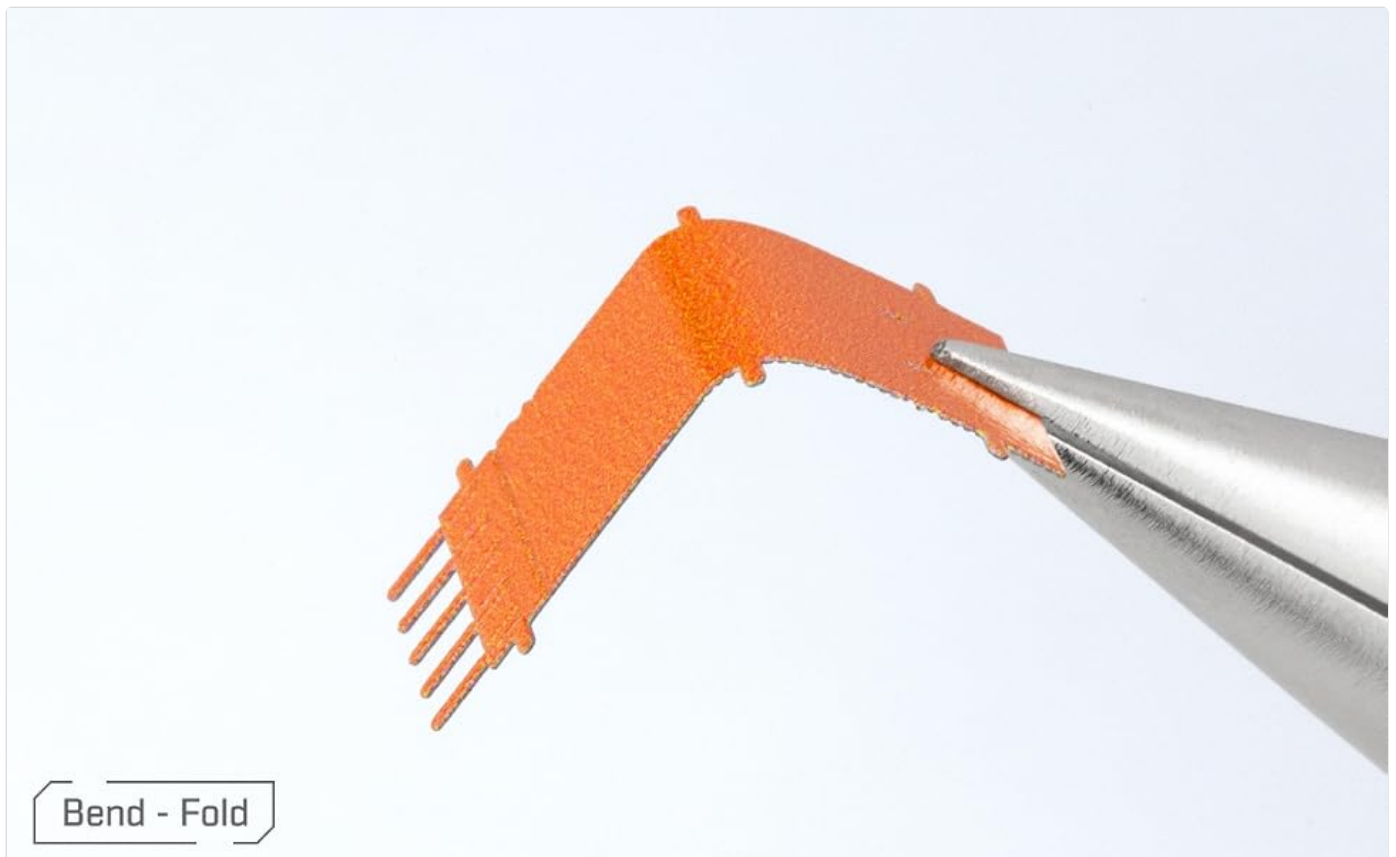


Image: A close-up demonstrating the twisting motion to secure a tab connection.

5.4 General Assembly Tips

- **Patience is Key:** Take your time with each step. Rushing can lead to bent or broken parts.
- **Pre-bend if Necessary:** For complex curves, gently pre-bend parts before fully detaching them.

- **Refer to Diagrams:** Always cross-reference with the visual instructions for clarity on part orientation and connection points.
- **No Glue Required:** The design relies on mechanical connections. Do not use glue as it may damage the finish or weaken the structure.



Image: A visual reminder that no glue is required for the assembly of this model.

6. SPECIFICATIONS

Feature	Detail
Model Name	Excavator
Model Number	MMS185
Brand	Metal Earth (Fascinations)
Assembled Dimensions (L x W x H)	4.57 x 1.46 x 2.52 inches
Item Weight	1.2 ounces
Material	Steel
Difficulty Level	Challenging
Recommended Age	14 years and up

7. MAINTENANCE

Once assembled, your Metal Earth model requires minimal maintenance. To keep your model in optimal condition:

- **Cleaning:** Dust gently with a soft, dry cloth or a soft brush. Avoid using liquids or abrasive cleaners.
- **Handling:** Handle the model carefully to prevent bending or breaking delicate parts.
- **Storage:** Store in a dry environment away from direct sunlight to prevent discoloration or material degradation.

8. TROUBLESHOOTING

If you encounter difficulties during assembly, consider the following:

- **Bent or Broken Tabs:** If a tab breaks, you may attempt to secure the connection with a small amount of model adhesive, though this is not the intended method. For severely damaged parts, contact customer support.
- **Parts Not Fitting:** Ensure you are using the correct parts for the current step. Double-check the part numbers and orientation against the instructions. Sometimes, a slight adjustment to a bend can improve fit.
- **Difficulty with Small Parts:** Use fine-tipped tweezers for better grip and control when working with very small components.

9. ADDITIONAL RESOURCES

For a 360-degree view of the assembled model or to explore other Metal Earth products, please visit the official website:

- **360-Degree View:** [Metal Earth Excavator 360 View](#)
- **More Models:** [Official Metal Earth Website](#)

10. WARRANTY AND SUPPORT

For information regarding product warranty, replacement parts, or further assistance, please contact Fascinations customer support directly. Details can typically be found on the product packaging or the official Metal Earth website.

Manufacturer: Fascinations

Website: www.metalearth.com

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details.](#)

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.

Submit question