

ROBOTIME MI03

ROBOTIME MI03 Storm Beetle Mechanical 3D Puzzle Model Kit Instruction Manual

Model: MI03 | Brand: ROBOTIME

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your ROBOTIME MI03 Storm Beetle Mechanical 3D Puzzle Model Kit. Designed with intricate steampunk elements, this model offers an engaging building experience and a unique display piece. Please read all instructions carefully before beginning assembly.

2. PACKAGE CONTENTS

Before starting, verify that all components listed below are present in your kit:

- Plastic Pieces (various frames containing model parts)
- Instruction Book
- Small tools (as specified in the instruction book, may include screwdriver, pliers, etc.)
- Additional materials (e.g., leather for wings, PVC for limbs, small metal components)

Note: Three AAA batteries are required for operation but are not included in the package due to customs policy.



115Pcs



3-Hours Assembly

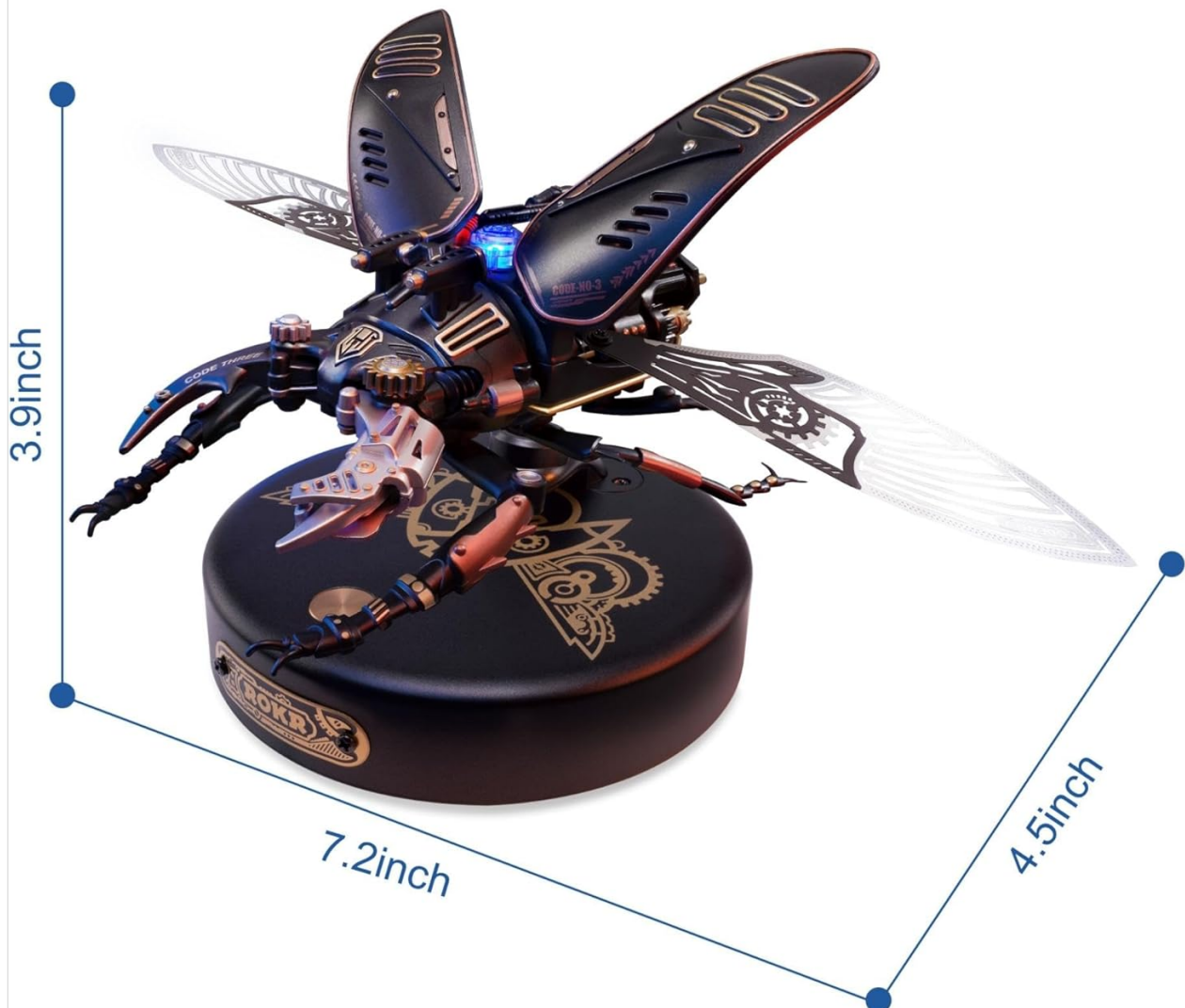


Figure 2.1: Overview of the kit's components, including plastic frames, small bags of hardware, and the instruction manual.

3. ASSEMBLY INSTRUCTIONS (SETUP)

The assembly process for the Storm Beetle model kit is designed to be engaging and typically takes approximately 3 hours. Patience and attention to detail are crucial, especially with the smaller components.

3.1 Preparation

- Clear a well-lit, spacious workspace.
- Organize all parts according to the instruction book. Some parts are very small and require fine motor skills.
- Ensure you have three AAA batteries ready for installation.

3.2 Step-by-Step Assembly

Follow the included instruction book meticulously. The manual provides clear, concise steps, indicating which pieces to punch out and from which bags to retrieve necessary hardware. Pay close attention to diagrams and text to ensure correct placement of each part.



Educational Model Kit



ABS Plastic & Metal Material



New Assembly Experience



Figure 3.1: A user assembling a section of the model, demonstrating the detailed nature of the build.

3.3 Important Considerations

- **Small Parts:** Many components, including screws and gears, are miniature. Use tweezers and a magnifying glass if needed.
- **Delicate Parts:** Some parts, particularly the wings, are delicate. Handle with care when cutting from frames.
- **Battery Installation:** Install the three AAA batteries into the designated compartment as per the instructions. Ensure correct polarity.

Armoured Mandibles



Metal Etched Wings



Metal Figurine Base



LED Energy Light



Figure 3.2: Detailed view of the completed model, showcasing its mechanical features.

4. OPERATING INSTRUCTIONS

Once fully assembled and batteries are installed, your Storm Beetle model is ready for operation.

4.1 Activating the Model

Locate the activation switch on the model's base. Pressing this switch will initiate the mechanical movements and light features.

4.2 Features in Operation

- **LED Light:** A flashing blue LED light on the model's back will illuminate.
- **Jaws and Wings:** The model's jaws will clamp, and its membranous wings will activate, moving at a frequency of approximately 30 times per minute.
- **Automatic Shut-off:** The model is designed to operate for about 3 minutes before automatically shutting off to conserve battery life.



Figure 4.1: The Storm Beetle model in operation, with its mechanical wings in motion and LED light active.

4.3 Operational Video

Watch this video for a demonstration of the ROBOTIME MI03 Storm Beetle model in action:

Video 4.1: Official demonstration of the ROBOTIME MI03 Beetle Model Toy Building Set, showing its mechanical movements and light features.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ROBOTIME MI03 model, follow these maintenance guidelines:

- **Cleaning:** Gently dust the model regularly with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Lubrication:** Periodically apply a small amount of appropriate lubricant (e.g., silicone grease, as may be included in some kits) to moving gears and joints to ensure smooth operation.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Battery Replacement:** Replace batteries when the model's movements become sluggish or the light

dims. Always use fresh AAA batteries.

6. TROUBLESHOOTING

If you encounter any issues with your Storm Beetle model, refer to the following troubleshooting tips:

6.1 Model Not Operating

- **Check Batteries:** Ensure batteries are correctly installed with the right polarity and are not depleted. Replace if necessary.
- **Activation Switch:** Verify that the activation switch is fully engaged.
- **Connections:** Inspect all electrical connections and mechanical linkages for any loose or improperly seated parts.

6.2 Sluggish Movement or Dim Light

- **Replace Batteries:** This is often an indication of low battery power.
- **Lubrication:** Apply lubricant to gears and moving parts as described in the Maintenance section.
- **Obstructions:** Check for any foreign objects or debris obstructing the movement of gears or wings.

6.3 Parts Not Moving Correctly

- **Re-check Assembly:** Refer to the instruction manual and carefully review the assembly steps for the affected part. Incorrect placement of even small components can impact functionality. The manual often includes steps for disassembling specific sections if motorization issues arise.
- **Over-tightening:** Ensure screws are not over-tightened, which can restrict movement.

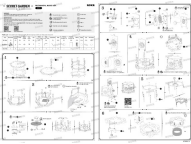
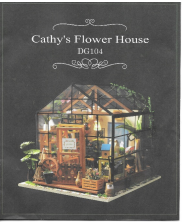
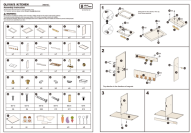



7. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.9 x 7.3 x 4.5 inches
Item Weight	1.3 pounds
Model Number	MI03
Manufacturer	ROBOTIME
Recommended Age	14 years and up
Number of Pieces	115
Power Source	3 x AAA Batteries (not included)

8. WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your ROBOTIME MI03 Storm Beetle Model Kit, please refer to the contact information provided in your product packaging or visit the official ROBOTIME website. Specific warranty details, if applicable, will be outlined in the documentation accompanying your product.

Related Documents - MI03

	<p>ROKR AMK52 Secret Garden DIY Mechanical Music Box Assembly Instructions</p> <p>Comprehensive assembly instructions for the ROKR AMK52 Secret Garden DIY Mechanical Music Box by Robotime. This guide provides a detailed walkthrough of the assembly process, including a parts list, step-by-step instructions, and helpful tips for a successful build.</p>
	<p>Cathy's Flower House DG104: Miniature DIY Assembly Guide</p> <p>Comprehensive assembly instructions for the Cathy's Flower House DG104 miniature DIY craft kit by Robotime. This guide provides detailed steps, tips, and part lists to help you build your own charming flower house.</p>
	<p>Olivia's Kitchen Assembly Instructions - ROBOTIME WCF09</p> <p>Detailed assembly instructions for the ROBOTIME Olivia's Kitchen play set (Model WCF09). Includes parts list, step-by-step guidance, and safety warnings for building this wooden toy kitchen.</p>
	<p>Robotime EC Declaration of Conformity - Miniature House Kits</p> <p>Official EC Declaration of Conformity for Robotime Technology (Suzhou) Co., Ltd.'s range of DIY miniature house kits, including models like Mind-Find Bookstore, Holiday Party Time, and more, compliant with harmonized standards.</p>
	<p>ROKR Marble Night City LGA01 3D Wooden Puzzle Assembly Instructions</p> <p>Detailed assembly instructions for the ROKR Marble Night City LGA01, a 3D wooden mechanical puzzle. Learn how to build your own intricate marble run with step-by-step guidance.</p>
	<p>ROKR Marble Run MR01 The Last City Assembly Instructions</p> <p>Detailed assembly instructions for the ROKR Marble Run MR01 The Last City model. Learn how to build this intricate mechanical 3D puzzle with step-by-step guidance.</p>