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TAMIYA 71124

Tamiya Robocraft Mechanical Mammoth Instruction Manual

Model: 71124

INTRODUCTION

This manual provides instructions for the assembly, operation, and maintenance of your Tamiya Robocraft Mechanical Mammoth (Model 71124). Please read this manual thoroughly before assembly and operation to ensure correct usage and to maximize the lifespan of your product.

SAFETY INFORMATION

- Recommended for ages 12 and up. Adult supervision is recommended for younger users.
- Keep small parts away from young children to prevent choking hazards.
- Do not operate the robot in wet conditions or near water.
- Ensure batteries are inserted with correct polarity. Remove batteries when not in use for extended periods.
- Do not attempt to modify the internal mechanisms, as this may cause damage or injury.

PACKAGE CONTENTS

Verify that all components are present before beginning assembly. The package should contain:

- All necessary parts for the Mechanical Mammoth assembly.
- Instruction sheet (this manual).

Note: One AA battery is required and sold separately.

SETUP AND ASSEMBLY

The Tamiya Robocraft Mechanical Mammoth is designed for easy construction without the need for cement. Follow the step-by-step diagrams provided in the included instruction sheet for detailed assembly.

1. Carefully detach all plastic parts from their runners. Use a hobby knife or nippers for clean cuts.
2. Assemble the gearbox unit according to the diagrams. The clear ABS parts allow visibility of the

internal mechanisms.

3. Attach the legs and body components. Ensure all connections are secure.
4. Install one AA battery (not included) into the designated battery compartment, observing correct polarity.
5. Attach the head and trunk components. The trunk is designed to be movable by hand after assembly.

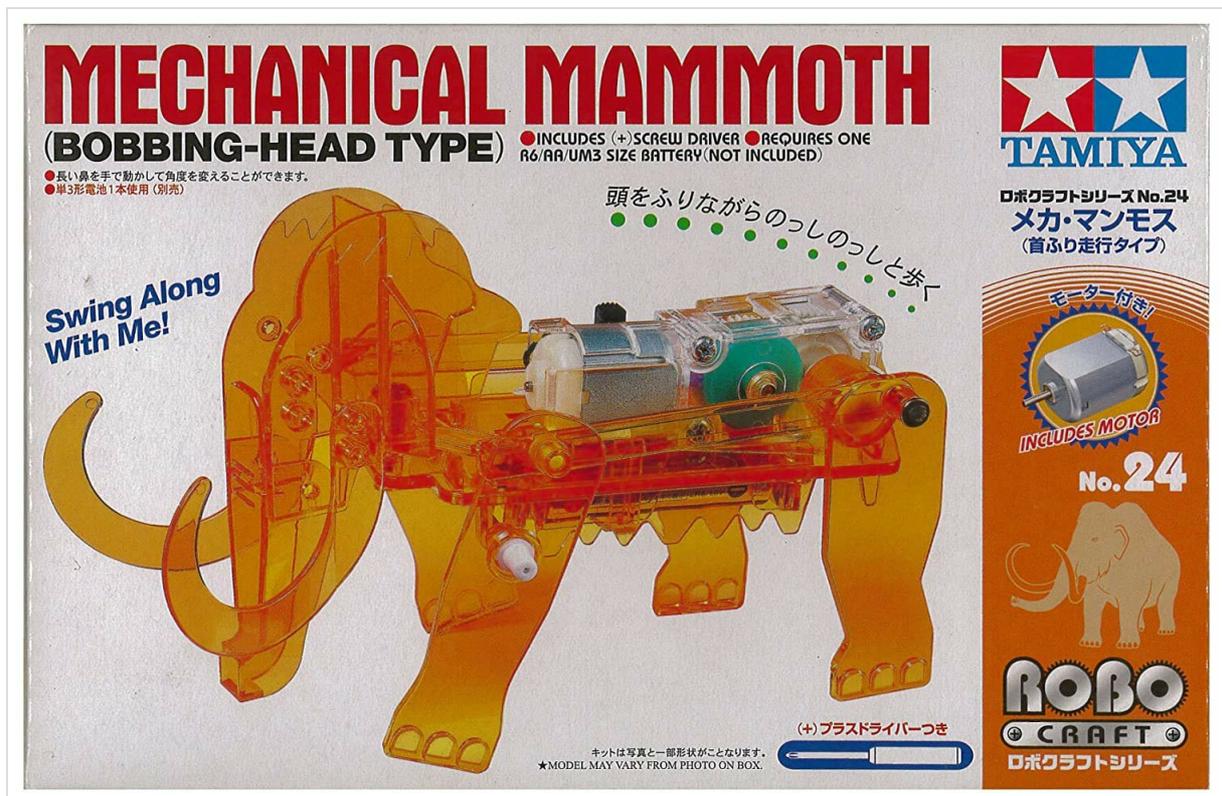


Image: The fully assembled Tamiya Robocraft Mechanical Mammoth, showcasing its translucent orange body and internal gearbox.

OPERATING INSTRUCTIONS

Once assembled and powered, the Mechanical Mammoth will begin its unique walking action.

- **Power On:** Locate the power switch (if present, typically on the gearbox or underside) and switch it to the "ON" position.
- **Movement:** The four-legged Mammoth will walk forward. As it moves, its head will bob from left to right, simulating a realistic mammoth gait.
- **Trunk Movement:** The trunk can be manually adjusted or posed by hand.
- **Gear Ratio:** The robot features a gear ratio of 203.7:1, providing a steady walking speed.
- **Power Off:** To stop operation, switch the power to the "OFF" position.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe down the robot. Avoid using harsh chemicals or abrasive materials.
- **Battery Replacement:** Replace the AA battery when the robot's movement becomes sluggish or stops.
- **Storage:** Store the robot in a cool, dry place away from direct sunlight when not in use. Remove batteries for long-term storage.

- **Inspection:** Periodically check for any loose parts or connections and re-secure them if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot does not move.	<ul style="list-style-type: none"> ◦ Battery is dead or incorrectly inserted. ◦ Power switch is off. ◦ Loose wiring connection. 	<ul style="list-style-type: none"> ◦ Replace battery or check polarity. ◦ Turn power switch to "ON". ◦ Inspect internal wiring and connections.
Robot moves slowly or erratically.	<ul style="list-style-type: none"> ◦ Low battery power. ◦ Obstruction in gears or moving parts. 	<ul style="list-style-type: none"> ◦ Replace battery. ◦ Check for and remove any debris from the gearbox or leg mechanisms.
Robot does not stand or falls over.	<ul style="list-style-type: none"> ◦ Legs or body parts not securely attached. ◦ Improper assembly of leg mechanisms. 	<ul style="list-style-type: none"> ◦ Re-check all assembly steps, ensuring parts are firmly connected. ◦ Verify that the leg movement mechanisms are correctly aligned and installed.

SPECIFICATIONS

- **Model Number:** 71124
- **Brand:** TAMIYA
- **Length:** 165mm
- **Height:** 107mm
- **Gear Ratio:** 203.7:1
- **Power Source:** 1 x AA battery (sold separately)
- **Recommended Age:** 12+ (Manufacturer recommended age: 0-8 years, but product description and complexity suggest 12+ for assembly)
- **Material:** Clear ABS parts

WARRANTY INFORMATION

Specific warranty details are not provided within this manual. Please refer to the product packaging or contact Tamiya customer support for information regarding warranty coverage and terms.

CUSTOMER SUPPORT

For further assistance, missing parts, or technical inquiries, please contact Tamiya customer support. Contact information can typically be found on the product packaging or the official Tamiya website.