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› MECCANO Super Construction 25-in-1 Motorized Building Set Instruction Manual

MECCANO 6055038

MECCANO Super Construction 25-in-1 Motorized Building Set Instruction Manual

Model: 6055038

INTRODUCTION

This manual provides instructions for the MECCANO Super Construction 25-in-1 Motorized Building Set. This set includes 638 metal and plastic parts, real tools, and a 6-volt electrical motor, allowing for the construction of various models, including a primary crane, helicopter, buggy crane, and broadcasting vehicle. The set is designed for users aged 10 and up, promoting critical thinking and engineering skills through hands-on building.

WHAT'S IN THE BOX

Verify all components are present before beginning assembly.

- 638 assorted pieces (metal and plastic)
- 1 x 6V electrical motor
- 3 x real tools (wrenches, screwdriver)
- 1 x instruction sheet (for 11 models)



Image: The complete Meccano Super Construction Set, including the box, various metal and plastic parts, tools, and the 6V electrical motor.

SETUP

1. **Unpack Components:** Carefully remove all pieces from the packaging. Organize similar parts to facilitate assembly.
2. **Review Instructions:** Consult the included instruction sheet for detailed, step-by-step assembly guides for the various models.
3. **Tool Familiarization:** Identify the three included tools (wrenches and screwdriver) and understand their use for securing nuts and bolts.
4. **Motor Preparation:** The 6V electrical motor requires 4 AA batteries (not included). Open the battery compartment, insert the batteries according to polarity markings, and close the compartment securely.
5. **Workspace Preparation:** Ensure a clean, well-lit, and spacious work area to prevent loss of small parts and allow for comfortable assembly.



Image: Two individuals working together to assemble a Meccano crane, demonstrating the use of tools and following instructions.

OPERATING THE BUILDING SET

The Meccano Super Construction Set allows for the creation of 25 different models, one at a time. Follow the provided instruction manual for specific model assembly.

1. **Model Selection:** Choose one of the 25 available models from the instruction sheet or online resources.
2. **Step-by-Step Assembly:** Follow the visual and textual instructions precisely. Pay attention to part orientation and connection points.
3. **Securing Connections:** Use the provided wrenches and screwdriver to securely fasten nuts and bolts. Avoid overtightening, which can damage parts.
4. **Motor Integration:** For motorized models, integrate the 6V electrical motor as indicated in the instructions. Ensure all gears and linkages are correctly aligned for proper function.
5. **Testing Motorized Functions:** Once a motorized model is complete, activate the motor to test its movement.

Observe for any obstructions or incorrect assembly.



Image: A visual representation of 25 distinct models that can be constructed using the components of this Meccano set.

Your browser does not support the video tag.

Video: An overview of the Meccano construction super set, demonstrating various features and potential builds. This video is provided by Scotties Hobbies.

Your browser does not support the video tag.

Video: A promotional video showcasing various Meccano Building Kits, including the Super Construction Set, from Spin Master, Inc.

MAINTENANCE

- **Cleaning:** Wipe metal and plastic parts with a dry or slightly damp cloth. Avoid harsh chemicals or abrasive cleaners.
- **Storage:** Store all components in the original case or a suitable container to prevent loss and damage. Keep the electrical motor in a dry environment.
- **Battery Care:** Remove batteries from the motor if the set will not be used for an extended period to prevent leakage.

- **Part Inspection:** Periodically inspect parts for wear or damage. Replace any broken or severely bent pieces to ensure proper function and safety.



Image: The Meccano Super Construction Set neatly organized within its durable storage case, ready for transport or storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor not working	Batteries are dead or incorrectly inserted. Connections are loose.	Check battery polarity and replace with fresh AA batteries. Ensure all wires and connections to the motor are secure.
Parts do not fit together	Incorrect parts used. Parts are bent or damaged.	Refer to the instruction manual to verify correct part selection. Inspect parts for damage and replace if necessary.

Problem	Possible Cause	Solution
Model is unstable or collapses	Nuts and bolts are loose. Structural components are incorrectly assembled.	Tighten all nuts and bolts. Re-examine the assembly steps for structural integrity.
Gears are not engaging	Gears are misaligned or obstructed.	Ensure gears are properly seated and aligned. Check for any foreign objects or excess friction.

SPECIFICATIONS

- **Model Number:** 6055038
- **Brand:** MECCANO
- **Number of Pieces:** 638
- **Motor:** 6V electrical motor
- **Power Source:** 4 AA batteries (not included)
- **Material:** Metal
- **Recommended Age:** 10+ years
- **Dimensions (Item):** 16.73 x 4 x 13.98 inches (42.5 cm x 10.16 cm x 35.5 cm)
- **Weight (Item):** 7.3 pounds (3.31 kg)
- **Educational Objective:** Construction Skills, STEAM learning

WARRANTY

This product is covered by the Spin Master Care Commitment. If you encounter a problem with a Spin Master product purchased from an authorized seller, Spin Master will resolve it. The Care Commitment is limited to the original end-user purchaser and requires proof of purchase. Products purchased from unauthorized sellers are not covered, unless prohibited by law. Spin Master reserves the right to verify information and deny requests at its discretion. For full details, please refer to the official Spin Master website or contact customer support.

SUPPORT

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

Manufacturer: Spin Master

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