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› Mould King 17059 Crawler Crane Advanced Building Kit Instruction Manual

Mould King 17059

Mould King 17059 Crawler Crane Advanced Building Kit Instruction Manual

Model: 17059

Brand: Mould King

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Mould King 17059 Crawler Crane Advanced Building Kit. Please read this manual thoroughly before beginning assembly or operation to ensure correct usage and to maximize the product's lifespan.

This kit is designed for individuals aged 14 years and up. It consists of 1731 building block parts, allowing for the construction of a functional mobile crane with app control capabilities.



Image: The Mould King 17059 Crawler Crane model, showcasing its detailed structure, the included building block set box, and a smartphone displaying the control application.

SAFETY INFORMATION

- This product contains small parts and is not suitable for children under 3 years due to choking hazards.
- Adult supervision is recommended during assembly and operation, especially for younger users.
- Ensure all connections are secure before operating the crane to prevent parts from detaching.
- Do not expose the electronic components to water or excessive moisture.
- Use only the specified rechargeable lithium-ion battery and charging methods.
- Avoid placing excessive loads on the crane beyond its intended capacity.



Image: Rear view of the product packaging, displaying safety warnings and manufacturer details.

SETUP AND ASSEMBLY

1. Unpacking and Part Verification

Carefully unpack all components from the box. Refer to the included instruction manual for a complete list of parts. Verify that all 1731 building block parts are present. If any parts are missing, please contact customer support.

PRODUCT SIZE



MK3 High-Speed Module



S motor



Remote control



Instructions



Image: Diagram illustrating the assembled crane's dimensions and listing key included components such as the MK3 High-Speed Module, S motor, remote control, and instruction manual.

2. Assembly Process

Follow the step-by-step instructions provided in the colorful paper manual. The assembly process involves connecting various building blocks to form the crawler base, crane tower, boom, and gripper mechanism.

- Begin by constructing the crawler chassis, ensuring all gears and axles are correctly aligned for smooth movement.
- Proceed to build the main crane tower, integrating the necessary structural supports.
- Assemble the boom and gripper, paying close attention to the string routing for the gripper's functionality.
- Integrate the high-performance motors and smart chips as indicated in the manual.



1731



A GREAT GIFT FOR CRANE FANS

Image: A person engaged in the assembly of the Mould King 17059 Crawler Crane, with the instruction manual open beside the partially built model.

3. Battery Installation and Charging

The kit includes one rechargeable lithium-ion battery. Install the battery into the designated compartment in the main unit. Connect the charger to the battery and a power source. The charging indicator will show the battery status. Ensure the battery is fully charged before first use.

OPERATING INSTRUCTIONS

1. App Control Setup

The Mould King 17059 Crawler Crane is controlled via a mobile application.

1. Download the "MK Control+" application from your device's app store.
2. Ensure the crane's power is turned on.
3. Open the app and follow the on-screen instructions to connect to your Mould King 17059 model via Bluetooth.



USE THE CONTROL+APP TO OPERATE THIS CRAWLER CRANE

Image: A smartphone screen showing the "MK Control+" application interface, used for operating the crawler crane.

2. Basic Movements

Once connected, use the app interface to control the crane's functions:

- **Forward/Backward:** Control the crawler tracks for movement.
- **Tank Steering:** Maneuver the crane by controlling each track independently.
- **Rotating Turntable:** Rotate the crane's upper structure 360 degrees.
- **Boom Control:** Adjust the angle and extension of the crane boom.
- **Gripper Operation:** Open and close the adjustable gripper to grasp objects.



Image: Detailed view of the crawler tracks on the Mould King 17059 crane, indicating its mobility.



TANK STEERING SYSTEM AND ROTATING TURNTABLE

Image: Illustration highlighting the tank steering system and the rotating turntable mechanism of the crane.



Image: A multi-panel image demonstrating the adjustable gripper's functionality, showing it opening, closing, extending, and retracting.

MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the building blocks and electronic components. Avoid using water or chemical cleaners.
- **Storage:** Store the assembled crane or disassembled parts in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Recharge the lithium-ion battery regularly, even if not in use, to maintain its lifespan. Do not overcharge or completely drain the battery.
- **Component Check:** Periodically inspect all connections and moving parts for wear or damage. Ensure all pins and axles are securely in place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Crane does not move or respond to app.	Battery is low or not charged. App not connected. Power switch is off.	Charge the battery. Ensure Bluetooth is enabled and reconnect the app. Turn on the crane's power switch.
Gripper or boom functions are weak or unresponsive.	Motor connection loose. String tension incorrect. Obstruction in mechanism.	Check motor connections. Adjust string tension as per assembly instructions. Inspect for any blockages.
Parts detach during operation.	Incomplete or incorrect assembly. Excessive force applied.	Review assembly steps for secure connections. Operate the crane within its intended limits.

SPECIFICATIONS

Model Number: 17059

Brand: Mould King

Number of Pieces: 1731

Product Dimensions (Assembled): 21.65 x 8.27 x 25.2 inches (55 x 21 x 64 cm)

Item Weight: 4.97 pounds (2.25 kg)

Recommended Age: 14 years and up

Battery Type: 1 Lithium Metal battery (included)

Control Method: Mobile APP (MK Control+)

Material: ABS Plastic

WARRANTY AND SUPPORT

Warranty Information

Mould King products are manufactured with high-quality ABS materials and undergo rigorous quality control. While specific warranty terms are not detailed in this manual, Mould King provides an after-sales guarantee.

Customer Support

If you encounter any issues, such as missing parts or operational difficulties, please contact Mould King customer support. Refer to the product packaging or the official Mould King website for contact details.

For missing parts, Mould King will send replacements free of charge.

You can visit the official Mould King store on Amazon for more information: [Mould King Store](#).