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› Mould King 17062 Engineering Excavator Building Set Instruction Manual

Mould King 17062

Mould King 17062 Engineering Excavator Building Set Instruction Manual

Model: 17062

INTRODUCTION

This instruction manual provides detailed guidance for assembling, operating, and maintaining your Mould King 17062 Engineering Excavator Building Set. This advanced construction kit features a remote-controlled demolition machine with app connectivity, designed for enthusiasts aged 14 and up. Please read this manual thoroughly before beginning assembly or operation to ensure a safe and enjoyable experience.

The Mould King 17062 model is a sophisticated replica of a demolition excavator, incorporating a pneumatic system and dual remote control capabilities via a dedicated app or physical remote.

SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small Parts. Not for children under 3 years. This product contains small parts which may pose a choking hazard. Adult supervision is recommended during assembly and operation, especially for users under the recommended age of 14 years.

- Keep all packaging materials away from children.
- Ensure all connections are secure during assembly to prevent parts from detaching during operation.
- Do not operate the model near water or in wet conditions to prevent damage to electronic components.
- Use only the specified power components (motors, batteries) provided with the kit or recommended by Mould King.
- Avoid placing fingers or other objects near moving parts (e.g., tracks, robotic arm, mechanical claw) during operation to prevent injury.

PACKAGE CONTENTS

Verify that all components are present before beginning assembly. If any parts are missing, please contact Mould King customer support.

- Building Blocks (4195 pieces)
- 1x HXL Motor
- 1x HM Motor
- 1x MKH6.0 Battery Box
- 1x Servo Motor
- 2x XL Motor
- 1x MK4 Battery Box
- 4x Blade Hall Motor Adapter
- 6x Pneumatic accessories
- 2x Pneumatic accessories
- 2x Pneumatic accessories
- 4x Pneumatic accessories
- Instruction Manual



Image: All components included in the Mould King 17062 kit, including various motors, battery boxes, pneumatic accessories, and the instruction manual. The assembled excavator is shown in the background.

ASSEMBLY INSTRUCTIONS

Follow the step-by-step instructions provided in the included physical instruction manual. The assembly process involves 4195 pieces and requires careful attention to detail. Organize pieces by type and size to facilitate the building process.

- Unpack and Sort:** Carefully open all bags and sort the building blocks by color, size, and type. Refer to the parts list in your physical manual to identify components.
- Base Construction:** Begin by assembling the chassis and track mechanisms. Ensure all gears and axles are correctly aligned for smooth operation.
- Motor and Battery Integration:** Install the HXL, HM, Servo, and XL motors as indicated in the manual.

Connect the MKH6.0 and MK4 Battery Boxes. Ensure all electrical connections are secure.

- Pneumatic System Assembly:** Carefully assemble the pneumatic accessories, ensuring all hoses are connected correctly to allow for proper arm and claw movement.
- Upper Structure and Cabin:** Construct the main body, cabin, and robotic arm. Pay close attention to the articulation points for the arm and claw.
- Final Checks:** After completing assembly, review all connections and moving parts to ensure they operate freely and without obstruction.



Image: The completed Mould King 17062 Engineering Excavator Building Demolition Machine, showcasing its detailed design and functional components.

OPERATING INSTRUCTIONS

The Mould King 17062 Excavator can be controlled via a physical remote control or a smartphone application.

1. Powering On

- Ensure the battery boxes are fully charged and correctly installed.
- Switch on the power button on the battery boxes.

2. Remote Control Operation

- Turn on the physical remote control.
- Pair the remote control with the excavator according to the instructions in the physical manual.
- Use the joysticks and buttons to control movement and functions.

3. App Control Operation

1. **Download the App:** Search for the "Mould King" app on your smartphone's app store (iOS or Android).
2. **Install and Open:** Install the app and open it.
3. **Bluetooth Connection:** Enable Bluetooth on your smartphone. Within the app, select the option to connect to your Mould King 17062 model.
4. **Control Modes:** The app offers standard remote control and programming modes.
 - **Standard Remote Control:** Use the on-screen virtual joysticks and buttons to control the excavator's movements and functions.
 - **Programming Mode:** Utilize the programming interface to create custom sequences of movements for the excavator.



Image: A user operating the Mould King 17062 Engineering Excavator using a smartphone application, demonstrating the remote control capabilities.



Image: Close-up view of the Mould King 17062 Excavator's robotic arm, highlighting the small arm, large arm, and mechanical claw with their respective controllable elevations and swing functions.



Image: The Mould King 17062 Excavator demonstrating its 360-degree rotation capability and the mechanism for controllable cabin lift, indicated by a rotating gear.

Key Functions:

- **Track Movement:** Control forward, backward, and rotational movement of the tracks.
- **Robotic Arm:** Independently control the elevation of both the large and small sections of the robotic arm.
- **Mechanical Claw:** Control the swing and gripping action of the mechanical claw.
- **Cabin Rotation:** Rotate the excavator's cabin 360 degrees.
- **Cabin Lift:** Control the raising and lowering of the cabin via a rotating gear mechanism.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the model. Avoid using water or cleaning solutions that may damage the plastic or electronic components.

- **Storage:** Store the assembled model in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:**
 - Recharge the lithium-ion batteries using a power plug, power bank, or laptop.
 - Do not overcharge or completely discharge the batteries.
 - Remove batteries if the model will not be used for an extended period.
- **Component Check:** Periodically inspect all connections, gears, and moving parts for wear or damage. Replace any damaged parts promptly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Model does not power on.	Batteries are not charged or incorrectly installed.	Ensure batteries are fully charged and inserted with correct polarity. Check power switch.
Remote control/App does not connect.	Bluetooth not enabled, pairing failed, or remote batteries low.	Enable Bluetooth on your device. Re-attempt pairing. Replace remote control batteries if applicable.
Movement is sluggish or unresponsive.	Low battery power, obstructed gears, or loose connections.	Recharge batteries. Inspect gears for obstructions. Check all motor and pneumatic connections.
Parts detach during operation.	Incomplete or incorrect assembly.	Review the assembly steps in the manual, paying close attention to connection points. Reassemble loose sections.

SPECIFICATIONS

- **Model Number:** 17062
- **Brand:** Mould King
- **Number of Pieces:** 4195
- **Product Dimensions:** 27.64 x 15.43 x 22.28 inches (70.2 x 39.2 x 56.6 cm)
- **Item Weight:** 12.98 pounds (5.89 kg)
- **Recommended Age:** 14 years and up
- **Control:** APP Remote Control, Physical Remote Control
- **Power Source:** Rechargeable Lithium-ion Batteries (2 included)
- **Material:** Child-safe ABS plastic



Image: The Mould King 17062 Engineering Excavator with its key dimensions (length, width, height) clearly indicated in both inches and centimeters.

WARRANTY AND SUPPORT

Mould King products are manufactured using child-safe ABS plastic and undergo pre-shipment inspections to ensure durability and quality.

- **Missing Parts:** If any parts are missing from your kit, please contact Mould King customer service directly for replacement.
- **Technical Support:** For assistance with assembly, operation, or troubleshooting, refer to the contact information provided in your physical instruction manual or visit the official Mould King website.

