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Mould King 17036

Mould King 17036 Double-Headed Bulldozer Construction Kit User Manual

Model: 17036

1. Introduction

Thank you for purchasing the Mould King 17036 Double-Headed Bulldozer Construction Kit. This advanced building set allows you to construct a detailed, remote-controlled engineering vehicle with dual functionality as both an excavator and a bulldozer. This manual provides essential information for assembly, operation, maintenance, and troubleshooting to ensure a rewarding building and play experience.

This kit is designed for builders aged 14 and above, offering a challenging yet engaging construction process with 2239 precision-engineered pieces.



Image 1.1: The Mould King 17036 Double-Headed Bulldozer, showcasing its robust design and operational capabilities in an outdoor setting.

2. Package Contents

Before beginning assembly, please verify that all components listed below are present in your kit. If any parts are missing, please contact customer support.

- 2239 x Building Blocks (ABS Plastic)
- 1 x Servo Motor
- 2 x M Motors
- 4 x L Motors
- 1 x XL Motor
- 1 x 2.4G Remote Control
- 2 x Lithium Batteries (for vehicle power)
- 1 x USB Charging Cable
- 1 x Instruction Manual (this document)

3. Assembly Instructions

Follow the step-by-step pictorial instructions provided in the separate assembly booklet included with your kit. Organize parts by type and color to facilitate the building process. Pay close attention to motor and wiring connections as these are crucial for proper functionality.

3.1 Key Features Overview



Image 3.1: An exploded view highlighting the various functional components of the Mould King 17036, including the excavator arm, simulated telescopic rod, swinging bucket, rotatable digging arm, lowering hoe, and pilothouse.

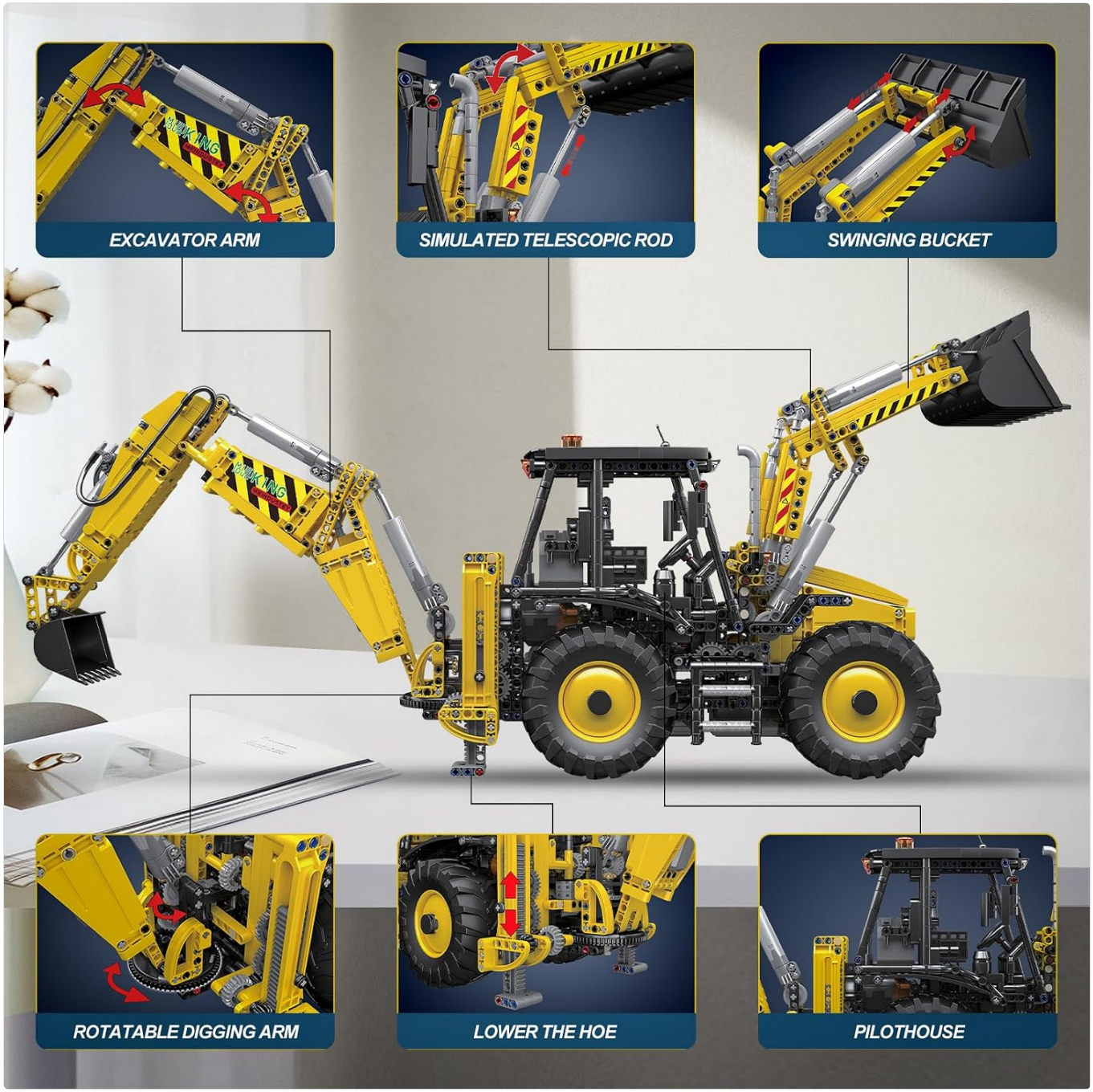

Image 3.2: Detailed views of the Mould King 17036, showing the robust tire tread, intricate cabin structure, hydraulic-like arm mechanisms, and the gear-driven extendable support leg.

4. Setup

4.1 Battery Installation and Charging

1. **Vehicle Batteries:** Locate the battery compartments on the main chassis of the bulldozer. Insert the two provided lithium batteries, ensuring correct polarity. Secure the battery compartment covers.
2. **Charging:** Connect the USB charging cable to the vehicle's charging port (typically located near the main power unit, as shown in Image 4.1). Connect the other end to a standard USB power adapter (not included). The charging indicator light will illuminate. A full charge typically takes 3-4 hours. Do not overcharge.
3. **Remote Control Batteries:** The remote control requires 2x AAA batteries (not included). Open the battery compartment on the back of the remote control, insert the batteries with correct polarity, and close the cover.



Image 4.1: The remote control for the Mould King 17036 and a close-up of the USB charging port on the vehicle, indicated by a green light during charging.

4.2 Remote Control Pairing

1. Ensure the vehicle's power switch is OFF.
2. Turn ON the remote control.
3. Turn ON the vehicle's power switch.
4. The remote control and vehicle should automatically pair. If pairing fails, turn both off and repeat the process.

4.3 App Control (Optional)

This model supports control via a dedicated smartphone application. Refer to the separate app instruction sheet or scan the QR code on the packaging to download the app and follow the in-app instructions for connection and control.

5. Operating Instructions

The Mould King 17036 offers versatile operation with its dual functionality and multiple controlled movements.

5.1 Basic Driving Controls

- **Forward/Backward:** Use the left joystick (or corresponding app control) to move the vehicle forward or backward.
- **Turn Left/Right:** Use the right joystick (or corresponding app control) to steer the vehicle left or right.

5.2 Engineering Functions

The vehicle features a 2-in-1 design, allowing it to operate as both an excavator and a bulldozer. Utilize the various buttons and joysticks on the remote control (or app interface) to control the following functions:

- **Front Loader (Bulldozer Mode):** Control the lifting, lowering, and tilting of the front bucket for pushing and scooping materials.
- **Rear Excavator Arm (Excavator Mode):** Control the multi-jointed arm for digging, extending, retracting, and rotating the bucket.
- **Stabilizer Legs:** Extend or retract the four stabilizer legs to provide stability during heavy excavation or loading operations.



Image 5.1: The Mould King 17036 demonstrating its dual functionality as both an excavator and a bulldozer, simulating real-world engineering operations.

6. Maintenance

6.1 Cleaning

To clean the model, gently wipe surfaces with a dry, soft cloth. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the electronic components or battery compartments. Do not use harsh chemicals or abrasive cleaners.

6.2 Storage

When not in use, store the model in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from both the vehicle and the remote control if storing for extended periods to prevent leakage.

6.3 Battery Care

- Always use the provided charging cable and a compatible USB power source.
- Do not leave batteries charging unattended.
- If batteries show signs of damage (swelling, leakage), discontinue use immediately and dispose of them properly.

7. Troubleshooting

Problem	Possible Cause	Solution
Vehicle does not move or respond.	Low battery in vehicle or remote; Not paired; Power switch off; Loose wiring.	Charge vehicle batteries; Replace remote batteries; Ensure both are ON; Re-pair; Check all motor connections.
Specific function (e.g., arm movement) does not work.	Motor not connected; Gear jammed; Damaged motor.	Check wiring to the specific motor; Inspect gears for obstructions; Contact support if motor is faulty.
Remote control not connecting.	Batteries low; Out of range; Interference.	Replace remote batteries; Move closer to vehicle; Operate in an area with less electronic interference.
Vehicle moves slowly or weakly.	Low vehicle battery; Excessive load; Friction in moving parts.	Recharge vehicle batteries; Reduce load; Check for any parts causing friction.

8. Specifications

Feature	Detail
Model Number	17036 (Internal: WX17036-LYFJP)
Pieces	2239
Material	ABS Plastic
Dimensions (L x W x H)	75 x 19.8 x 22.5 cm (29.5 x 7.8 x 8.9 inches)
Motors Included	1x Servo, 2x M, 4x L, 1x XL
Control	2.4G Remote Control, Smartphone App
Power Source	2x Lithium Batteries (vehicle), 2x AAA Batteries (remote, not included)
Recommended Age	14+ Years
UPC	705736696762



Image 8.1: Visual representation of the Mould King 17036 product dimensions, showing length, width, and height measurements.

9. 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.
- Do not operate the vehicle near water, heat sources, or in hazardous environments.
- Do not modify the product or its electronic components, as this may cause damage or injury.
- Ensure all wires are properly connected and secured to prevent short circuits.

10. Warranty and Support

Mould King products are manufactured to high-quality standards. If you encounter any issues with missing parts, defective components, or require technical assistance, please contact your retailer or Mould King customer support directly. Please retain your proof of purchase for warranty claims.
For missing parts, please refer to the part list in the assembly manual and provide the specific part numbers when contacting support. We are committed to ensuring your satisfaction with our products.

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Question

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Details

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