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› Mould King 17087 Oilfield Movable Building Set Instruction Manual

Mould King 17087

Mould King 17087 Oilfield Movable Building Set Instruction Manual

Model: 17087 | Brand: Mould King

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Mould King 17087 Oilfield Movable Building Set. This engineering display model features a motorized pumpjack mechanism, offering an engaging building experience and a functional display piece. Please read this manual thoroughly before beginning assembly or operation.

SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small Parts. Not for children under 3 years. This building set contains small parts which may pose a choking hazard. Adult supervision is recommended, especially for users at the lower end of the recommended age range (14+).

- Keep all small parts away from young children and pets.
- Do not ingest any parts.
- Ensure batteries are inserted correctly according to polarity markings.
- Do not mix old and new batteries, or different types of batteries.
- Remove batteries if the model will not be used for an extended period.

WHAT'S IN THE BOX

Your Mould King 17087 Oilfield Movable Building Set includes the following components:

- 840 Building Block Pieces
- 1 x Instruction Manual
- 1 x 7V Battery Box
- 1 x M Motor

Please verify all components are present before starting assembly. If any parts are missing or damaged, please contact customer support.



Image: The box contents, showing the assembled model, instruction manual, 7V battery box, and M motor.

SETUP AND ASSEMBLY

Follow the step-by-step instructions provided in the included instruction manual to assemble your Oilfield Movable Building Set. The building process is designed to be challenging and rewarding.

1. **Unpack Components:** Carefully open the packaging and sort the building blocks. The pieces are organized into step-numbered bags to simplify the assembly process.
2. **Follow Illustrated Instructions:** Refer to the detailed, illustrated instruction manual. Each step clearly shows which pieces to use and how to connect them.
3. **Motor and Battery Box Integration:** During assembly, you will integrate the M Motor and 7V Battery Box into the model. Pay close attention to the wiring and connection diagrams in the manual to ensure correct installation.
4. **Battery Installation:** Once the battery box is installed, insert the required batteries (not included) into the 7V Battery Box, observing correct polarity.

5. **Test Connections:** Before fully completing the model, it is advisable to test the motor's functionality to ensure all connections are secure.



Image: An adult and child assembling the Mould King 17087 Oilfield Movable Building Set, demonstrating the hands-on building experience.

OPERATING INSTRUCTIONS

The Mould King 17087 features a motorized mechanical action that simulates an oil pumpjack. Follow these steps to operate your model:

1. **Power On:** Locate the power switch on the 7V Battery Box. Flip the switch to the 'ON' position.
2. **Observe Motion:** The M Motor will activate, driving the gears and chain mechanism. This will cause the horsehead (pump arm) to move up and down, simulating the operation of an oil well pumpjack.
3. **Power Off:** To stop the motion, flip the power switch on the battery box to the 'OFF' position.

The Electric Motor Drives the Gear



Image: A detailed view of the electric motor and gear drive system, illustrating how the motor powers the model's movement.

Oil Well Pumping Unit Building Block Model Kit

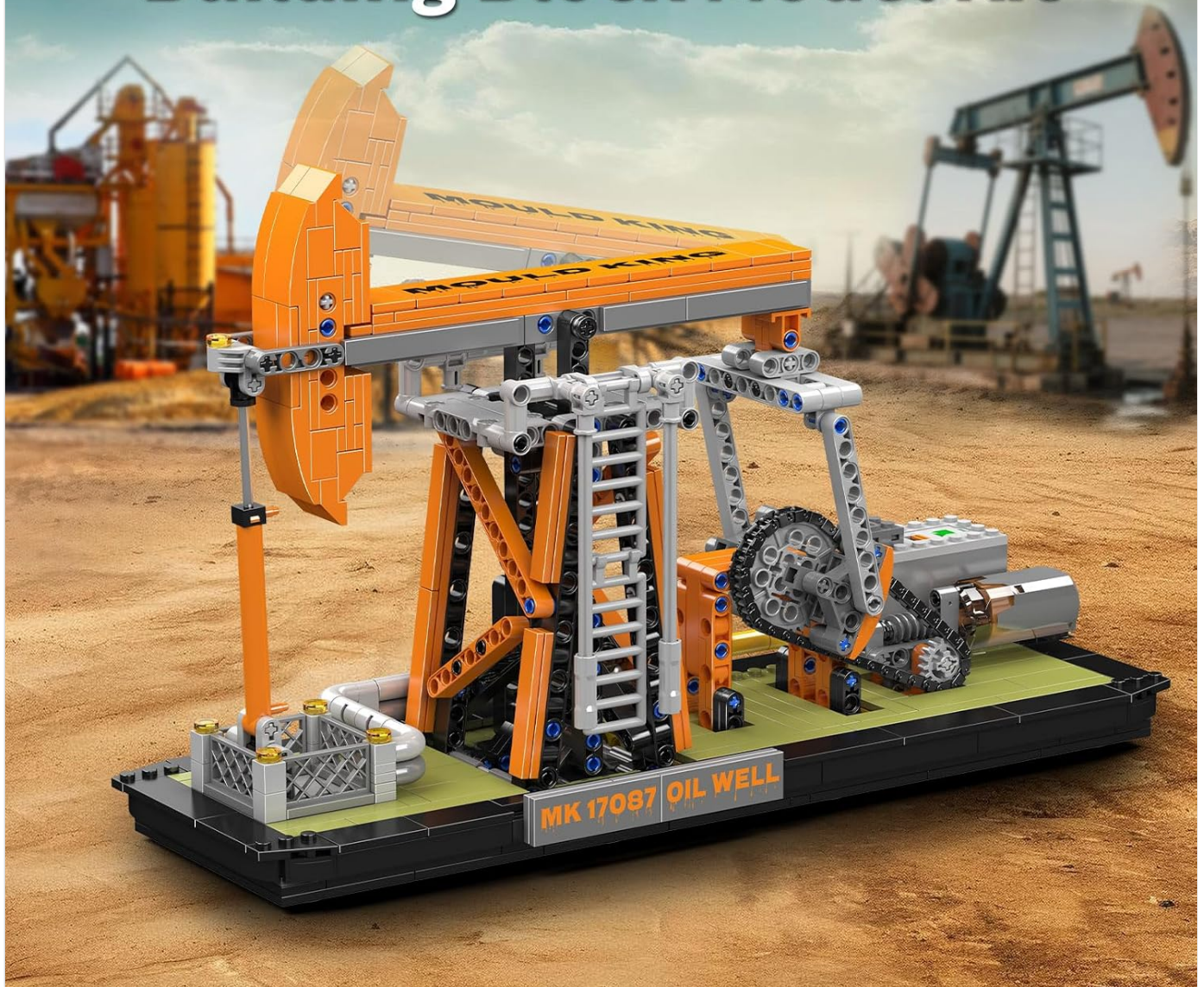


Image: The fully assembled Mould King 17087 model, showcasing its design as an oil well pumping unit.

Your browser does not support the video tag.

Video: Demonstration of the Mould King 17087 Oilfield Movable Building Set in operation, highlighting its motorized movement and dimensions. This video shows the model's functionality and scale.

MAINTENANCE

Proper maintenance will ensure the longevity and continued functionality of your Mould King 17087 model.

- **Cleaning:** Dust the model regularly with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the motor or battery box.
- **Battery Care:** Remove batteries from the battery box if the model will not be used for an extended period to prevent leakage and corrosion. Replace batteries when the motor's performance diminishes.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.

- **Part Integrity:** Periodically check for any loose or damaged parts. Re-attach or replace as necessary to maintain structural integrity and operational smoothness.

TROUBLESHOOTING

If you encounter issues with your Mould King 17087 model, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Motor does not run.	1. Power switch is off. 2. Batteries are dead or incorrectly inserted. 3. Motor or battery box connection is loose.	1. Ensure power switch is in the 'ON' position. 2. Replace batteries or check polarity. 3. Verify all electrical connections are secure.
Motor runs, but mechanism does not move.	1. Gears or chain are dislodged. 2. Obstruction in the moving parts. 3. Parts are not assembled correctly.	1. Re-seat gears and chain according to the manual. 2. Check for any foreign objects blocking movement. 3. Review assembly steps for errors, especially around the mechanical components.
Model is unstable.	1. Base pieces are not securely connected. 2. Model is placed on an uneven surface.	1. Ensure all base connections are firm. 2. Place the model on a flat, stable surface.

SPECIFICATIONS

Feature	Detail
Brand	Mould King
Model Number	17087
UPC	737453411809
Number of Pieces	840
Item Dimensions (L x W x H)	14.17 x 4.61 x 8.86 inches (36 x 11.7 x 22.5 cm)
Item Weight	1.11 kg
Material Type	Plastic (ABS)
Operation Mode	Automatic (Motorized)
Recommended Age	14 years and up
Educational Objective	STEM (Science, Technology, Engineering, Mathematics)
Included Components	Building Blocks, Instruction Manual, 7V Battery Box, M Motor



Image: Visual representation of the model's dimensions (14.17 x 4.61 x 8.86 inches) and the main components included: manual, 7V battery box, and M motor.

WARRANTY AND SUPPORT

For warranty information, missing parts, or technical support, please contact Mould King customer service directly. Refer to the contact information provided on the product packaging or the official Mould King website.

Manufacturer: MOULD KING

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