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> Mould King 17096 Luffing Jib Tower Crane Building Kit User Manual

Mould King 17096

Mould King 17096 Luffing Jib Tower Crane Building Kit User Manual

Model: MK-WX17096

1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your Mould King 17096 Luffing Jib Tower Crane Building Kit. This detailed construction model consists of over 2565 building block parts and features remote and app control capabilities for dynamic operation. Please read this manual thoroughly before beginning assembly or operation.



Image 1.1: The fully assembled Mould King 17096 Luffing Jib Tower Crane.

2. SAFETY INFORMATION

- **CHOKING HAZARD:** Small parts. This product contains small components that may pose a choking hazard. Not suitable for children under 3 years.
- Recommended age for assembly and operation is 14 years and older. Adult supervision is advised for younger users.
- Keep batteries away from children. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Ensure all electrical connections are secure and dry before operation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning assembly:

- 2565+ Building Block Parts

- MK4.0 Battery Box (x1)
- Remote Control (x1)
- L Motor (x3)
- Detailed Paper Instruction Manual



Image 3.1: Overview of key components and assembled model dimensions.

4. SETUP AND ASSEMBLY

The Mould King 17096 Luffing Jib Tower Crane is assembled from 2565+ building block parts. A comprehensive, colorful paper instruction manual is included to guide you through the assembly process step-by-step. Follow the instructions carefully to ensure correct construction.

4.1 Assembly Process

1. Unpack all parts and organize them according to the instruction manual.

2. Follow the detailed, step-by-step illustrations in the included paper manual.
3. Ensure all connections are firm to prevent parts from detaching during operation.
4. Install the motors and battery box as indicated in the manual. The battery box can be accessed by opening a designated section on the crane body.



Image 4.1: Location of the battery box for power installation.

4.2 Post-Assembly Dimensions

Upon completion, the model will measure approximately 52.71 inches (133.9 cm) long, 50.3 inches (127.8 cm) high, and 14.3 inches (36.3 cm) wide.



Image 4.2: The sturdy support frame provides stability for the crane.

5. OPERATING INSTRUCTIONS

The Mould King 17096 Luffing Jib Tower Crane features both remote control and mobile application control for its dynamic functions.

5.1 Remote Control Operation

Use the included 2.4GHz remote control to operate the crane's movements. The remote allows for precise control over various functions, including:

- Luffing (raising and lowering the jib)
- Slewing (rotating the crane)
- Raising and lowering the hook
- Deploying and retracting the front arm

LUFFING JIB TOWER CRANE

It supports Bluetooth control via a mobile phone APP or a 2.4GHZ remote control



Image 5.1: The Luffing Jib Tower Crane can be controlled via a mobile app or 2.4GHz remote control.

REMOTE CONTROL TOWER CRANE



Image 5.2: The hook mechanism can be raised and lowered using the remote control.

5.2 App Control Operation

Download the official Mould King app to control the crane via Bluetooth. The app provides an intuitive interface for controlling all crane functions, offering an alternative to the physical remote control.

5.3 Functional Features

- **Extendable Hook:** The crane features an extendable hook for lifting and moving objects.
- **Strong Roll Rope:** A durable rope system ensures reliable lifting operations.
- **Simulated Driver's Cab:** The model includes a detailed driver's cab for enhanced realism.



MAKES AN AMAZING DISPLAY PIECE-FROM ALL ANGLES

Image 5.3: Close-up of the extendable hook, strong roll rope, and simulated driver's cab.

5.4 Video Demonstrations of Similar Mould King Products

The following videos demonstrate the remote control and mechanical functionalities found in various Mould King construction models. While these videos may feature different models, the operational principles for remote/app control and mechanical movements are similar to your Mould King 17096 Luffing Jib Tower Crane.

Video 5.4.1: Demonstration of RC functionality in a Mould King Technic RC Tower Crawler Crane Building Block Kit. This illustrates general remote control operation applicable to the 17096 model.

Video 5.4.2: Demonstration of a Mould King Technic Crane Construction Set (Red LTM Model) in operation. This video highlights various crane movements and controls.

Video 5.4.3: Demonstration of a Mould King 17058 Crane Truck Building Set, showcasing support leg deployment and mechanical principles. These features are analogous to aspects of the 17096 model.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Mould King 17096 Luffing Jib Tower Crane, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe down the model with a dry, soft cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Component Check:** Periodically inspect all connections and moving parts to ensure they are secure and functioning correctly. Tighten any loose connections.
- **Battery Care:** Remove batteries from the battery box if the model will not be used for an extended period to prevent leakage.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your Mould King 17096 Luffing Jib Tower Crane, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Missing parts during assembly	Automated packaging error	Contact Mould King customer support for free replacement parts.
Crane not responding to remote/app control	Low or dead batteries; incorrect battery installation; connection issue.	Check battery levels and replace if necessary. Ensure batteries are installed with correct polarity. Verify remote/app is properly paired with the crane.
Motors not functioning	Loose wiring; motor malfunction.	Inspect all motor connections. If issues persist, contact customer support.
Instructions unclear	Complexity of certain steps.	Review the illustrations carefully. Online communities or video tutorials for similar Mould King models may offer additional visual guidance.

8. SPECIFICATIONS

Feature	Detail
Model Number	17096
Number of Pieces	2565
Product Dimensions (L x W x H)	133.9 x 36.3 x 127.8 cm (52.7 x 14.3 x 50.3 inches)
Weight	1.98 kg
Material	ABS Plastic
Power Source	Battery
Batteries Required	1 A battery (included), 1 rechargeable battery (a), and 1 9-volt battery (supported types)
Control Method	Remote Control, App Control

Feature	Detail
Recommended Age	14 - 60 years
Educational Objective	Creative Thinking, Engineering Skills, Problem Solving Skills
Manufacturer	Mould King (Guangdong Yuxing Technology Industrial Co., Ltd.)

9. WARRANTY AND SUPPORT

Mould King is committed to providing high-quality products. If you encounter any issues or require assistance, please refer to the following:

- **Missing Parts:** In the event of missing parts during the assembly process, please contact Mould King customer support directly. Replacement parts will be resent to you free of charge.
- **General Inquiries:** For any other questions or support needs, please contact the manufacturer, Guangdong Yuxing Technology Industrial Co., Ltd., or refer to the official Mould King store on Amazon for contact information.
- **Return Policy:** This product typically has a return policy of 45 days for refund or replacement, subject to retailer terms.

