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› Reobrix RC Tower Crane Building Blocks Set (Model 22013) Instruction Manual

Reobrix 22013

Reobrix RC Tower Crane Building Blocks Set (Model 22013) Instruction Manual

Model: 22013 | Brand: Reobrix

1. INTRODUCTION AND OVERVIEW

This instruction manual provides detailed guidance for the assembly, operation, and maintenance of your Reobrix RC Tower Crane Building Blocks Set, Model 22013. This set consists of 1176 pieces, designed to create a functional remote-controlled tower crane model. It features dual high-performance motors and offers control via a dedicated remote control unit or a mobile phone application.

The completed model measures approximately 32.48 inches (L) x 11.61 inches (W) x 26.37 inches (H) and includes features such as a 360° rotating crane arm, an adjustable hook, and a manually openable cab door. Please read all instructions carefully before beginning assembly and operation.



Figure 1: Fully assembled Reobrix RC Tower Crane Building Blocks Set, Model 22013.

2. SETUP AND ASSEMBLY

The Reobrix Tower Crane Building Blocks Set is designed for straightforward assembly. Follow the included step-by-step manual to construct the model. Ensure all 1176 pieces are accounted for before starting.

2.1 Power Pack Installation

The crane is equipped with 2 high-performance motors and a 7.4V 500mAh rechargeable lithium battery. The power pack needs to be correctly installed to enable remote control functions.

1. Locate the power pack compartment on the crane model.
2. Carefully insert the rechargeable lithium battery into the power pack.
3. Connect the motor cables to the designated ports on the power pack (labeled A, B, C, D if applicable). Ensure a secure connection.

4. Press the power button on the power pack to activate it. A blue indicator light should illuminate.
5. Secure the power pack within its compartment.



Figure 2: Illustration of motor set and power pack installation within the crane structure.

2.2 Remote Control Preparation

The remote control unit requires 2 AAA batteries (not included). Insert these batteries into the remote control unit according to the polarity markings.

3. OPERATING INSTRUCTIONS

Your Reobrix Tower Crane can be operated using either the included 2.4GHz remote control or a mobile phone application via Bluetooth connection.

3.1 Remote Control Operation

After installing the AAA batteries in the remote control, power on the crane model. The remote control should automatically pair with the crane. Use the buttons and joysticks on the remote to control the crane's functions:

- **Boom Retraction/Extension:** Use the designated controls to move the boom carriage along the crane arm, extending or retracting its reach.
- **Hook Ascend/Descend:** Operate the controls to raise or lower the crane hook.
- **360° Rotation:** Use the rotation controls to turn the entire crane superstructure 360 degrees.



Figure 3: Remote control unit and mobile application interface for operating the crane.

3.2 Mobile Phone APP Operation

Download the official Reobrix control application from your device's app store. Ensure Bluetooth is enabled on your mobile phone. Open the app and follow the on-screen instructions to connect to your crane model. The app interface will provide virtual controls for all crane functions, similar to the physical remote control.

3.3 Key Features in Operation

- **Retractable Boom:** The crane's boom can be extended and retracted to adjust the working radius.
- **Height-Adjustable Hook:** The hook can be precisely raised and lowered to manage loads.

- **360° Rotating Crane Arm:** The entire upper structure of the crane can rotate, allowing for versatile positioning.
- **Openable Cab Door:** The operator's cab door can be manually opened, adding to the model's realism.



Figure 4: Close-up view of the crane's functional features.

3.4 Operational Video

Your browser does not support the video tag.

Video 1: Demonstration of the Reobrix Tower Crane's operational features, including boom movement, hook lift, and 360-degree rotation.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Reobrix Tower Crane model, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the model with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive materials.

- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Battery Care:** When not in use for extended periods, fully charge the rechargeable lithium battery and then store it separately. Remove AAA batteries from the remote control if not used for a long time to prevent leakage.
- **Component Check:** Periodically inspect all connections and moving parts to ensure they are secure and functioning correctly. Tighten any loose connections as needed.

5. TROUBLESHOOTING

If you encounter any issues with your Reobrix Tower Crane, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
Crane does not respond to remote/app.	1. Power pack off or low battery. 2. Remote control batteries dead/missing. 3. No connection between remote/app and crane.	1. Ensure power pack is on and charged. Recharge if necessary. 2. Replace AAA batteries in the remote control. 3. Re-pair remote/app with the crane. Ensure Bluetooth is on for app control.
Parts do not fit together.	Incorrect piece or orientation.	Refer to the assembly manual to verify the correct piece and orientation for the step. Do not force pieces.
Crane movement is sluggish or inconsistent.	1. Low battery in power pack. 2. Obstruction in gears or moving parts. 3. Loose connections.	1. Recharge the power pack. 2. Inspect moving parts for any foreign objects or misaligned gears. 3. Check all motor and power pack connections.
Missing pieces during assembly.	Packaging error or lost piece.	Carefully check all packaging and surrounding areas. If pieces are genuinely missing, contact Reobrix customer support.

6. SPECIFICATIONS

- **Model Number:** 22013
- **Product Dimensions:** 32.48 x 11.61 x 26.37 inches
- **Item Weight:** 3.92 pounds
- **Number of Pieces:** 1176
- **Control Method:** 2.4GHz Remote Control, Mobile APP (Bluetooth)
- **Motors:** Dual high-performance motors
- **Battery (Crane):** 7.4V 500mAh rechargeable lithium battery
- **Battery (Remote Control):** 2 AAA batteries (not included)

- **Recommended Age:** 14 years and up
- **Manufacturer:** Shantou Juhang Toys Technology Co., Ltd.

PRODUCT SIZE

PCS:1176

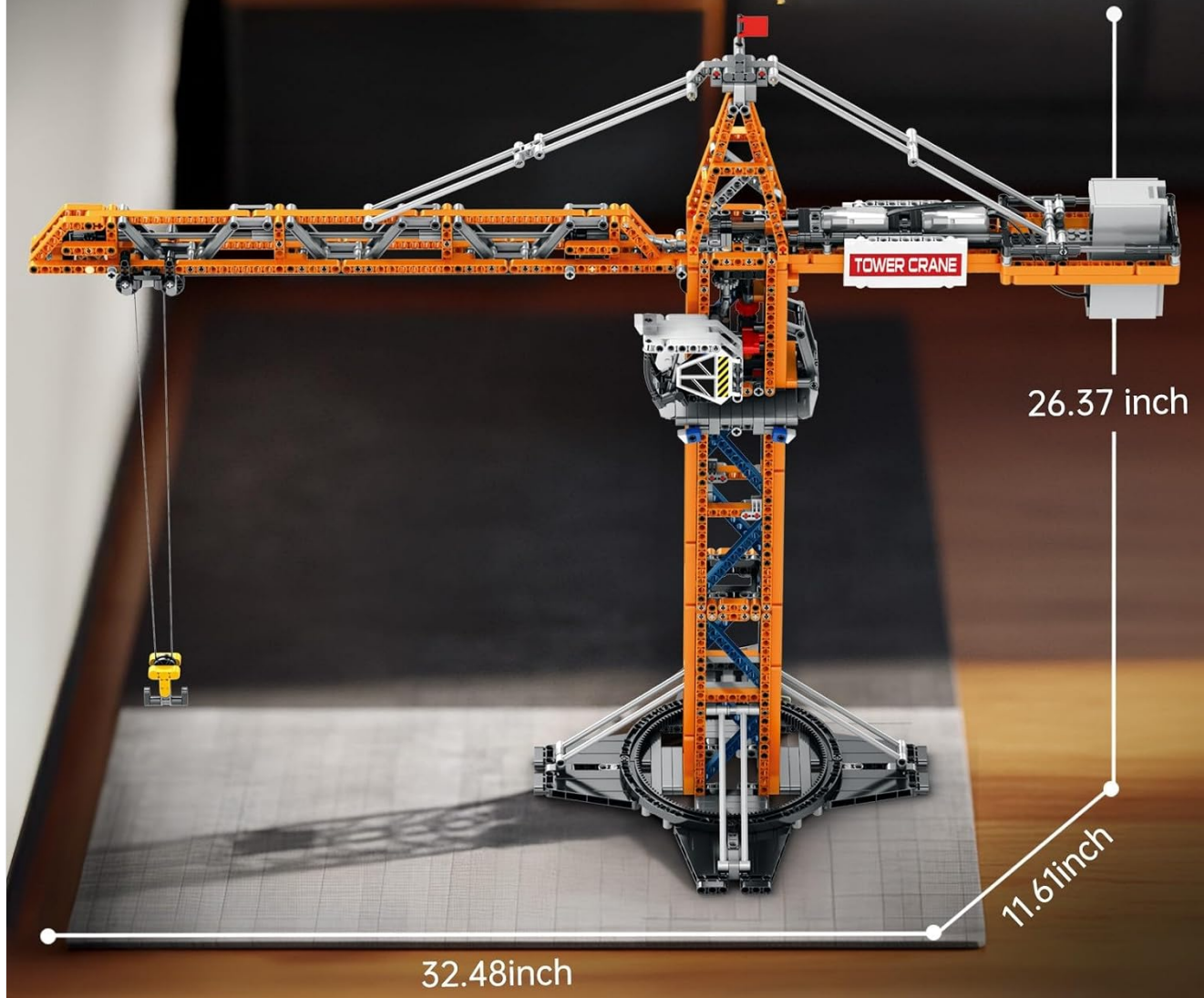


Figure 5: Diagram illustrating the dimensions of the assembled crane model.

7. WARRANTY AND SUPPORT

For any questions, missing parts, or technical assistance, please contact Reobrix customer support. Refer to the product packaging or the official Reobrix website for contact information. Please retain your proof of purchase for warranty claims.

