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› Reobrix Bobcat Skid Steer Loader Building Block Set (Model 22004) Instruction Manual

Reobrix 22004

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1. INTRODUCTION

This manual provides comprehensive instructions for the Reobrix Bobcat Skid Steer Loader Building Block Set, Model 22004. This advanced construction toy features remote control and APP-based operation, offering a realistic and engaging building and play experience. Designed to enhance logical thinking and hands-on ability, this model incorporates various mechanical engineering principles.

The completed model measures approximately 13.77 x 6.49 x 7.48 inches and consists of 1227 pieces.



Figure 1: The Reobrix Bobcat Skid Steer Loader Building Block Set, Model 22004.

2. PACKAGE CONTENTS

Before beginning assembly, please verify that all components are present in your package:

- 1x Remote Control (batteries not included)
- 1x Battery Box
- 2x L Motors
- 2x M Motors
- 1227 Building Block Pieces
- 1x Comprehensive Paper Assembly Instructions Manual

If any parts are missing, please contact Reobrix customer support for assistance.

3. ASSEMBLY INSTRUCTIONS

The Reobrix Bobcat Skid Steer Loader is designed for an engaging building experience. Detailed, step-by-step assembly instructions are provided in the included paper manual. Please follow these instructions carefully to ensure correct construction and functionality.

All building blocks are made from high-quality, environmentally friendly ABS materials, ensuring accurate color

matching, a solid structure, and a smooth fit for each piece.



Figure 2: A user engaged in the assembly process of the building block set.

4. SETUP

4.1 Remote Control Setup

1. **Insert Batteries:** Open the battery compartment on the remote control and insert the required batteries (not included). Ensure correct polarity.
2. **Power On:** Turn on the remote control and the model's battery box.
3. **Pairing:** The remote control and model should automatically pair. If not, refer to the specific pairing instructions in the paper manual.

4.2 APP Control Setup

1. **Download APP:** Scan the QR code provided in the paper manual or search for the 'Reobrix' app in your

device's app store.

2. **Install and Open:** Install the app and launch it.
3. **Connect to Model:** Follow the in-app instructions to connect your smart device to the Bobcat Skid Steer Loader model via Bluetooth.
4. **Adjust Settings:** The APP allows real-time adjustment of the boom angle and movement speed, providing precise control.

5. OPERATING INSTRUCTIONS

The Reobrix Bobcat Skid Steer Loader offers realistic operation through both the dedicated remote control and a smartphone APP. The 2.4GHz remote control ensures sensitive response.

5.1 Basic Movement

- **Forward/Backward:** Use the directional controls on the remote or APP to move the loader forward or backward.
- **360° In-Site Steering:** The left and right tracks can be controlled independently, enabling the loader to spin in place for precise maneuvering.

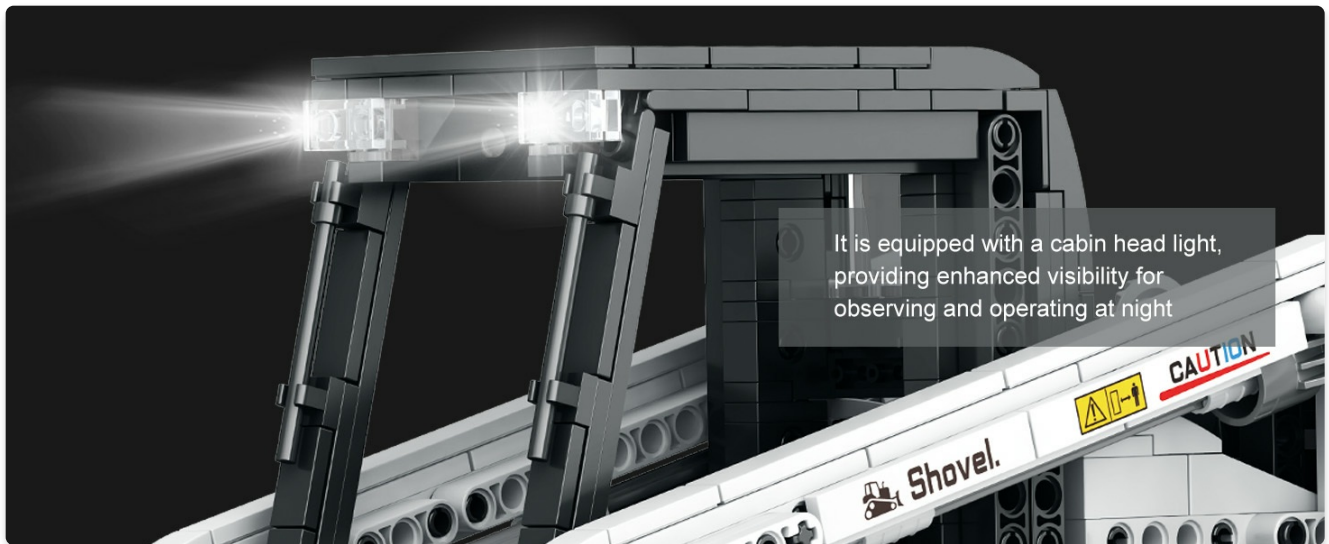
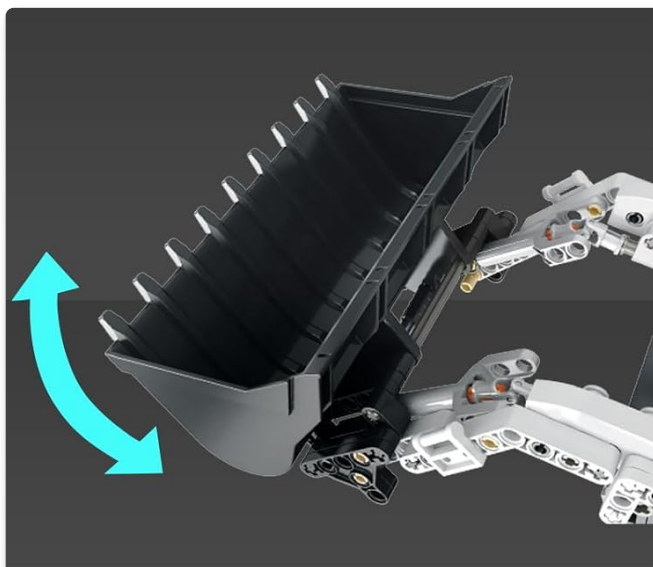


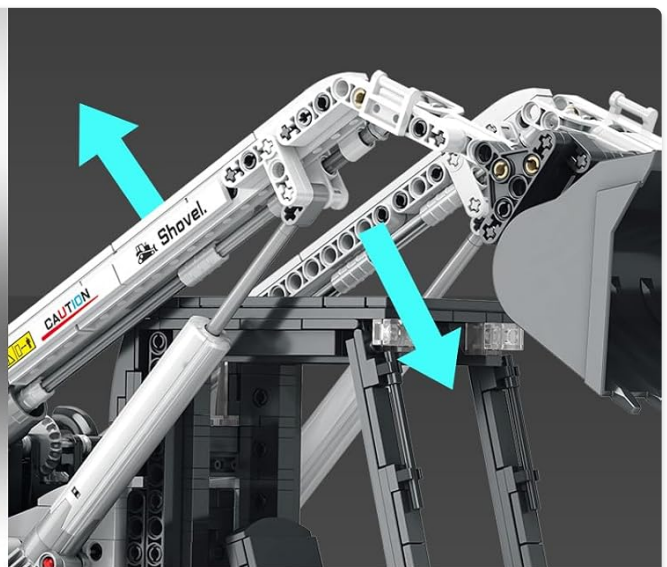
Figure 3: Independent track control allows for 360-degree in-site steering.

5.2 Loader Functions

- **Boom Lifting:** The loader's boom supports 3-section height adjustment. Use the designated controls to lift and lower the boom, observing the mechanical linkage of gears and push-rods.
- **Bucket Tilting:** The bucket can be precisely tilted and dumped via remote control, replicating the operation of a real loader.



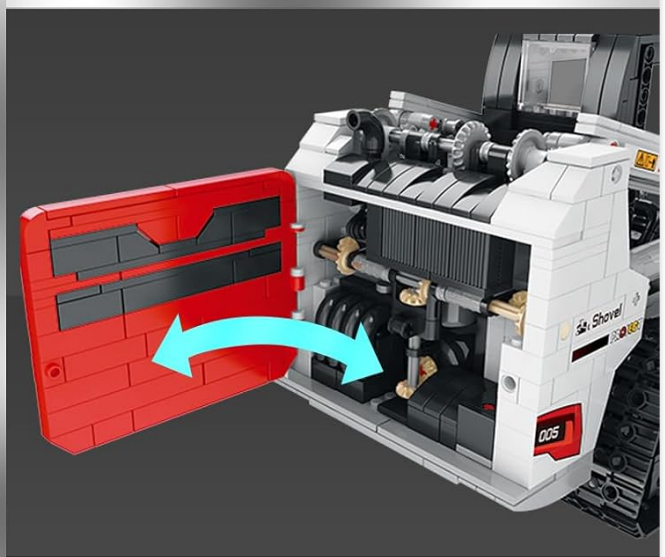
ADJUSTABLE BUCKET



MOVABLE ARM



SIMULATION CAB



OPENABLE HOOD

Figure 4: Key operational features including adjustable bucket and movable arm.

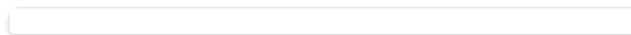
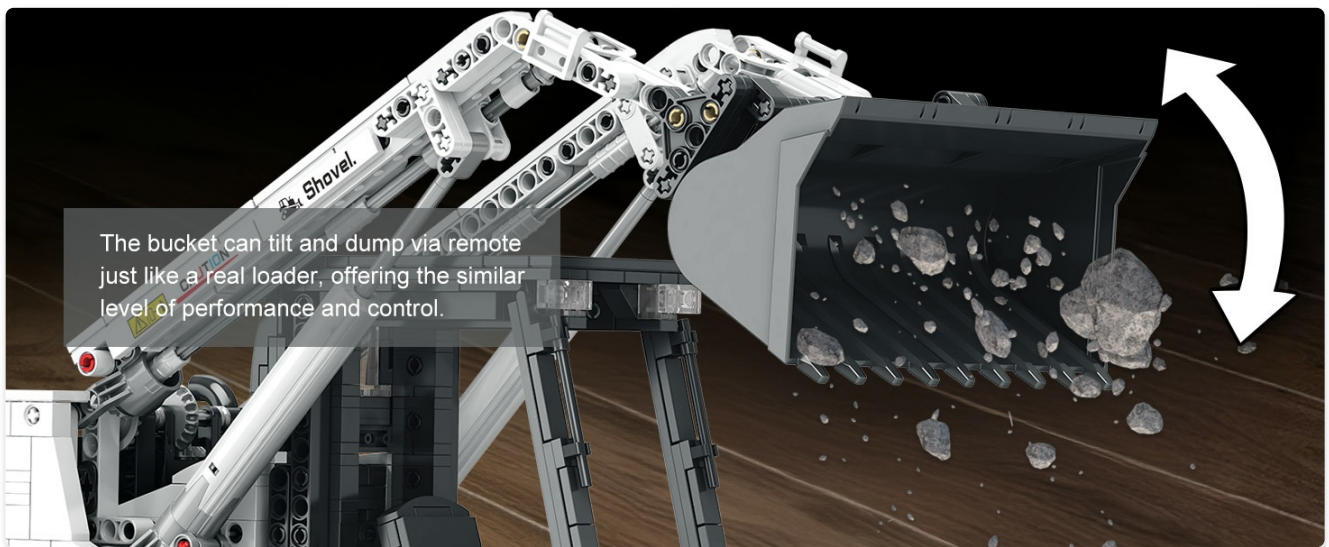


Figure 5: The bucket can tilt and dump via remote control, simulating real loader functionality.

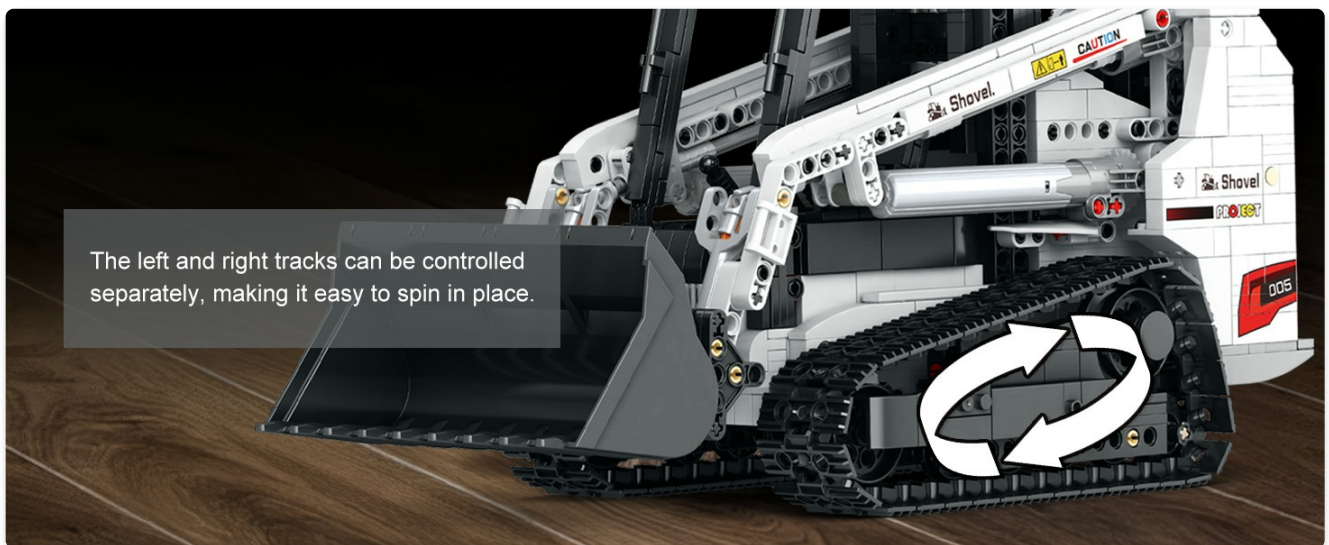


The bucket can tilt and dump via remote just like a real loader, offering the similar level of performance and control.

Figure 6: The boom lifts and moves with remote control, showcasing mechanical linkage.

5.3 Additional Features

- **Openable Engine Door:** The rear-mounted engine door can be opened manually to reveal simulated piston details, adding to the realistic experience.
- **Cabin Headlights:** The model is equipped with cabin headlights for enhanced visibility during operation.
- **Simulated Cabin:** The building set features a highly-simulated cabin with control joysticks for a realistic experience.



The left and right tracks can be controlled separately, making it easy to spin in place.

Figure 7: The rear engine door opens manually, providing access to internal details.



Figure 8: Cabin headlights provide enhanced visibility for observing and operating.



Figure 9: The highly-simulated cabin and control joysticks enhance the realistic experience.

5.4 Official Product Video

Your browser does not support the video tag.

Video 1: This video demonstrates the Reobrix Bobcat Skid Steer Loader (Model 22004) in operation, showcasing its remote control functions, including movement, boom lifting, and bucket tilting. It also highlights the openable engine door and the dual control options (remote and APP).

6. MAINTENANCE

To ensure the longevity and optimal performance of your Reobrix Bobcat Skid Steer Loader, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe down the model and 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.
- **Battery Care:** Remove batteries from the remote control and battery box if the model will not be used for an extended period to prevent leakage.
- **Component Check:** Periodically inspect the connections of the motors and battery box to ensure they are secure.

7. TROUBLESHOOTING

If you encounter issues with your Reobrix Bobcat Skid Steer Loader, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Model does not respond to remote/APP control.	Low or dead batteries in remote control or model. Incorrect pairing.	Replace batteries in the remote control and ensure the model's battery box is charged/has fresh batteries. Re-pair the remote/APP with the model as per setup instructions.
Motors do not function or lack power.	Insufficient power from battery box. Motor connection issues. Obstruction in gears.	Ensure the battery box is fully charged or has fresh batteries. Check all motor connections for secure fit. Inspect gears for any obstructions.
Loader functions (boom/bucket) are not working.	Incorrect assembly of mechanical components. Motor issues.	Review the assembly instructions for the specific section related to the boom and bucket. Check motor connections and functionality.
Missing pieces during assembly.	Packaging error.	Contact Reobrix customer support with details of the missing parts.

8. SPECIFICATIONS

- **Product Dimensions:** 13.77 x 6.49 x 7.48 inches
- **Item Weight:** 4 pounds
- **Model Number:** 22004
- **Recommended Age:** 14 years and up
- **Number of Pieces:** 1227 PCS
- **Control:** 2.4GHz Remote Control, APP Control
- **Manufacturer:** Shantou Juhang Toys Technology Co., Ltd.

PRODUCT SIZE

PCS: 1227



Figure 10: Product dimensions of the assembled Reobrix Bobcat Skid Steer Loader.

9. WARRANTY AND SUPPORT

Reobrix is committed to providing high-quality products and customer satisfaction. For any questions, concerns, or issues regarding your Reobrix Bobcat Skid Steer Loader Building Block Set (Model 22004), including missing parts or operational difficulties, please contact Reobrix customer support.

Please refer to the contact information provided in your product packaging or visit the official Reobrix website for support details.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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