TYCOLE T2109

TGL Vintage Pendulum Clock Building Block Set Instruction Manual

Model: T2109 | Brand: TYCOLE

1. Introduction and Product Overview

This instruction manual provides detailed guidance for assembling and operating your TGL Vintage Pendulum Clock Building Block Set. This set combines the enjoyment of building with the functionality of a real clock, featuring a mechanical pendulum and gear linkage system.

Upon completion, the clock measures approximately 16.62" x 5.28" x 12.95" and serves as a unique decorative piece. The set includes 751 high-quality building bricks.



Figure 1.1: Completed TGL Vintage Pendulum Clock Building Block Set.

2. Safety Information

Please read and understand all safety precautions before beginning assembly. This product contains small parts and is not suitable for children under 3 years of age due to choking hazards. Adult supervision is recommended during assembly, especially for younger builders.

- Keep all small parts away from infants and young children.
- Do not ingest any building block components.
- Dispose of packaging materials properly.
- Ensure a clean and organized workspace to prevent loss of parts.

3. Package Contents

Before starting assembly, verify that all components are present. The TGL Vintage Pendulum Clock Building Block Set includes:

- Approximately 751 high-quality building bricks.
- Detailed instruction booklet.
- Clock mechanism (requires 1 AA battery, not included).
- Decorative stickers (optional).

If any parts are missing or damaged, please refer to the "Warranty and Support" section for assistance.



Figure 3.1: Example of instruction booklet and building components.

4. Assembly Instructions

Follow the steps outlined in the included instruction booklet carefully. The bricks are designed for easy assembly, and the bags are typically numbered to correspond with assembly stages.

1. **Preparation:** Open the numbered bags one at a time as indicated in the instruction booklet. Sort pieces by color and shape to facilitate assembly.
2. **Base Construction:** Begin by assembling the base of the clock according to the first few steps in the manual. Ensure all connections are secure.
3. **Internal Mechanism Assembly:** Construct the internal gear linkage system. Pay close attention to the orientation of gears to ensure proper function of the pendulum.

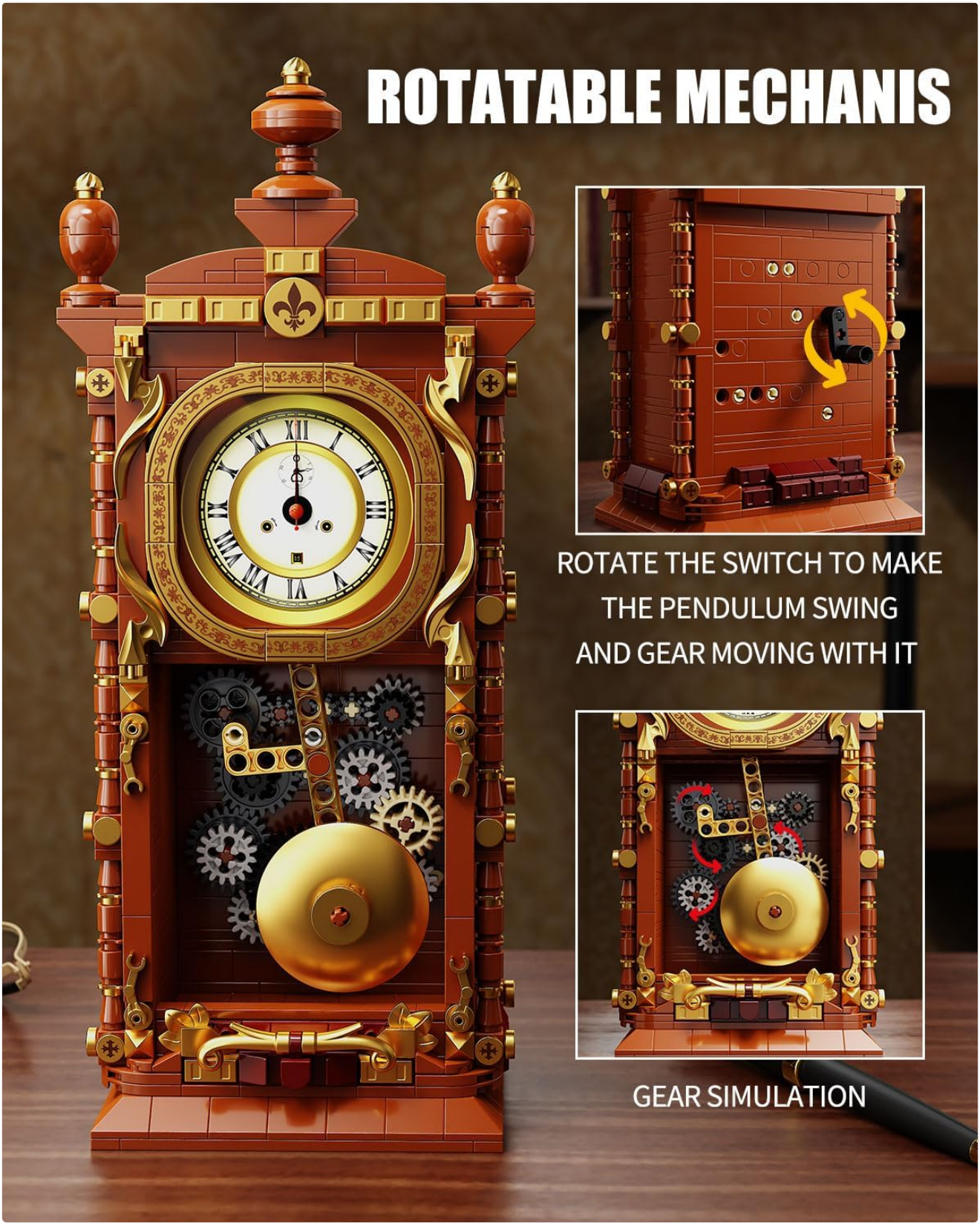


Figure 4.1: View of the internal gear mechanism.

4. **Clock Face and Pendulum Integration:** Assemble the clock face and integrate the pendulum component. Ensure the pendulum can swing freely once the mechanism is complete.



Figure 4.2: Detailed view of the classic dial and swingable pendulum.

5. **Enclosure Construction:** Build the outer casing of the clock, securing all panels. Ensure the back panel is designed to be openable for battery installation.
6. **Finishing Touches:** Add decorative elements and any optional stickers as desired.

Note: Some users have reported that pieces may require firm pressure to snap together. If you encounter difficulty, ensure correct alignment before applying force. If instructions appear incorrect, double-check the piece count and shape before proceeding.

5. Setup for Clock Functionality

To activate the real clock function, follow these steps:

1. **Access Battery Compartment:** Locate the openable back panel of the clock. Gently open it to reveal the clock mechanism's battery compartment.



Figure 5.1: Openable back panel for battery installation.

2. **Install Battery:** Insert one (1) AA battery (not included) into the designated slot, ensuring correct polarity (+/-).

3. **Close Compartment:** Securely close the back panel.
4. **Set Time:** Use the adjustment knob on the clock mechanism to set the correct time.

6. Operating Instructions

Once assembled and the battery is installed, the clock will function as a timepiece. To observe the mechanical pendulum in motion:

- **Pendulum Swing:** Locate the rocker or switch on the back of the clock. Turn this mechanism to initiate the pendulum's swing. This action will also engage the visible gears on the front of the clock.

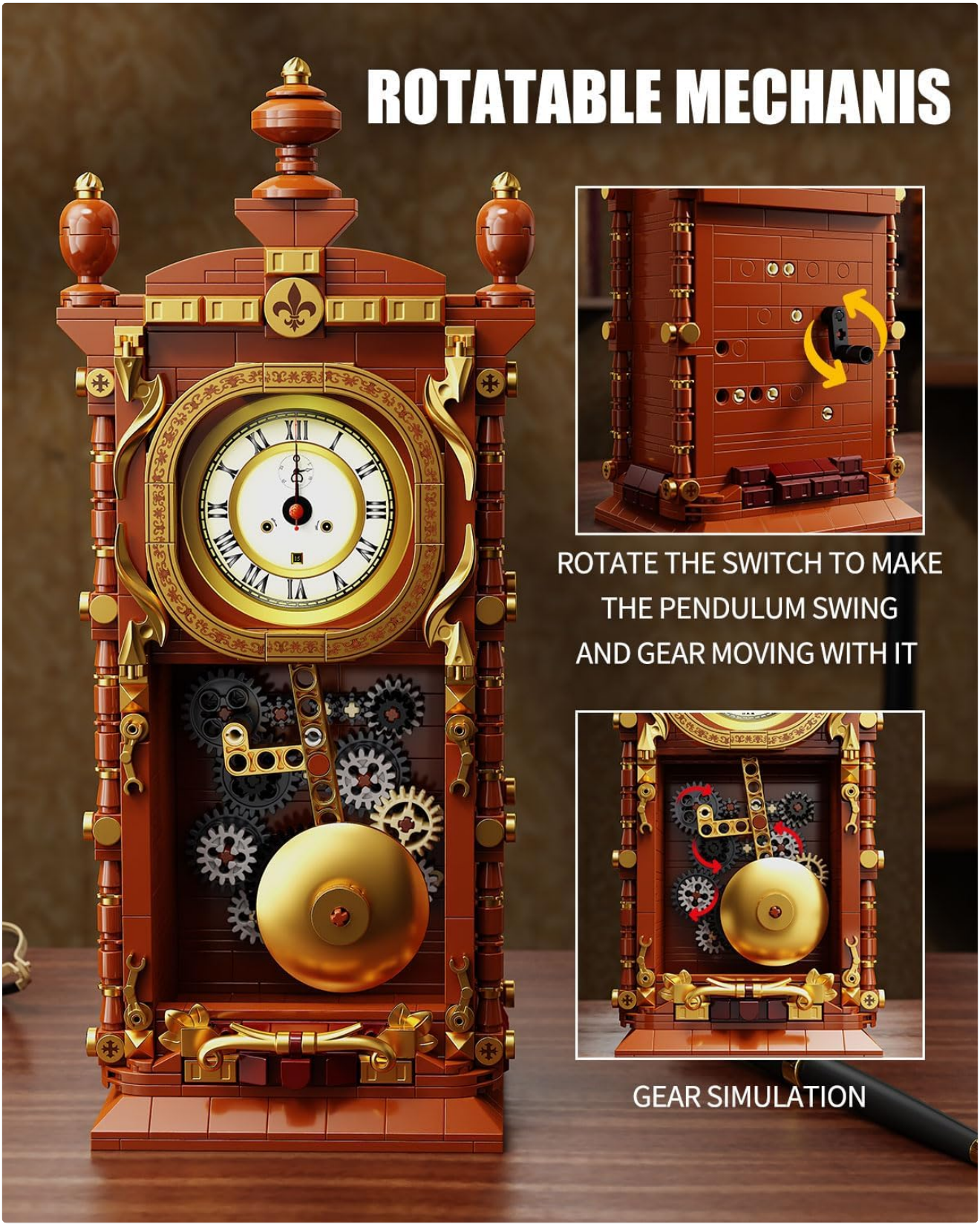


Figure 6.1: Rotate the switch to make the pendulum swing and gears move.

7. Maintenance

To ensure the longevity and proper function of your TGL Vintage Pendulum Clock Building Block Set, follow these maintenance guidelines:

- **Cleaning:** Dust the clock regularly with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which may damage the plastic components.
- **Battery Replacement:** Replace the AA battery when the clock stops keeping accurate time. Remove depleted batteries promptly to prevent leakage.
- **Storage:** If disassembling for storage, keep all pieces in a secure container to prevent loss.
- **Handling:** Handle the assembled clock with care, as some connections may be delicate.

8. Troubleshooting

Problem	Possible Cause	Solution
Clock does not keep time.	Battery is dead or incorrectly installed.	Replace the AA battery, ensuring correct polarity.
Pendulum does not swing or gears do not move.	Rocker/switch not engaged; gears misaligned during assembly.	Ensure the rocker on the back is turned. Review assembly steps for gear alignment.
Missing pieces.	Packaging error or pieces lost during assembly.	Carefully check all packaging materials. Contact customer support for replacement parts (see Section 10).
Pieces do not snap together easily.	Incorrect piece orientation or tight fit.	Verify the piece orientation with the instruction booklet. Apply firm, even pressure. Avoid excessive force.

9. Specifications

Product Dimensions: 5.04 x 4.16 x 10.54 inches (12.8 x 10.57 x 26.77 cm)

Assembled Dimensions: Approximately 16.62" x 5.28" x 12.95" (42.2 x 13.4 x 32.9 cm)

Item Weight: 1.72 pounds (0.78 kg)

Model Number: T2109

Recommended Age: 6 years and up

Number of Pieces: 751

Battery Requirement: 1 x AA battery (not included)

Manufacturer: Shantou Taigaole Technology Co. , Ltd.



Figure 9.1: Approximate dimensions of the assembled clock.

10. Warranty and Support

TYCOLE building block sets are manufactured from premium ABS materials and undergo rigorous testing and certification (CPC, CE, CCPSA). We are committed to providing a satisfactory solution for any issues you may encounter.

If you experience any problems, such as missing parts during assembly, or require further assistance, please contact our customer support team. We recommend having your product model number (T2109) and purchase details available when contacting support.

For support inquiries, please refer to the contact information provided with your product packaging or visit the official TYCOLE website.

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