Wood Trick Wood Trick Timbertron Ultima

Wood Trick Timbertron Robot & Truck 3D Wooden Puzzles User Manual

Model: Wood Trick Timbertron Ultima

Introduction Safety Information What's in the Box Setup Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

The Wood Trick Timbertron Ultima is a complex 3D wooden puzzle kit designed for assembly into a transforming robot model. This model can be configured into two distinct forms: a robot and a truck. It consists of 1212 precision-cut wooden pieces and does not require glue for assembly. The assembled model features interactive elements, including movable limbs in robot mode and a freewheel mechanism for the truck mode, allowing it to roll up to 9 feet. This kit is intended for experienced DIY hobbyists and is recommended for ages 14 and up.

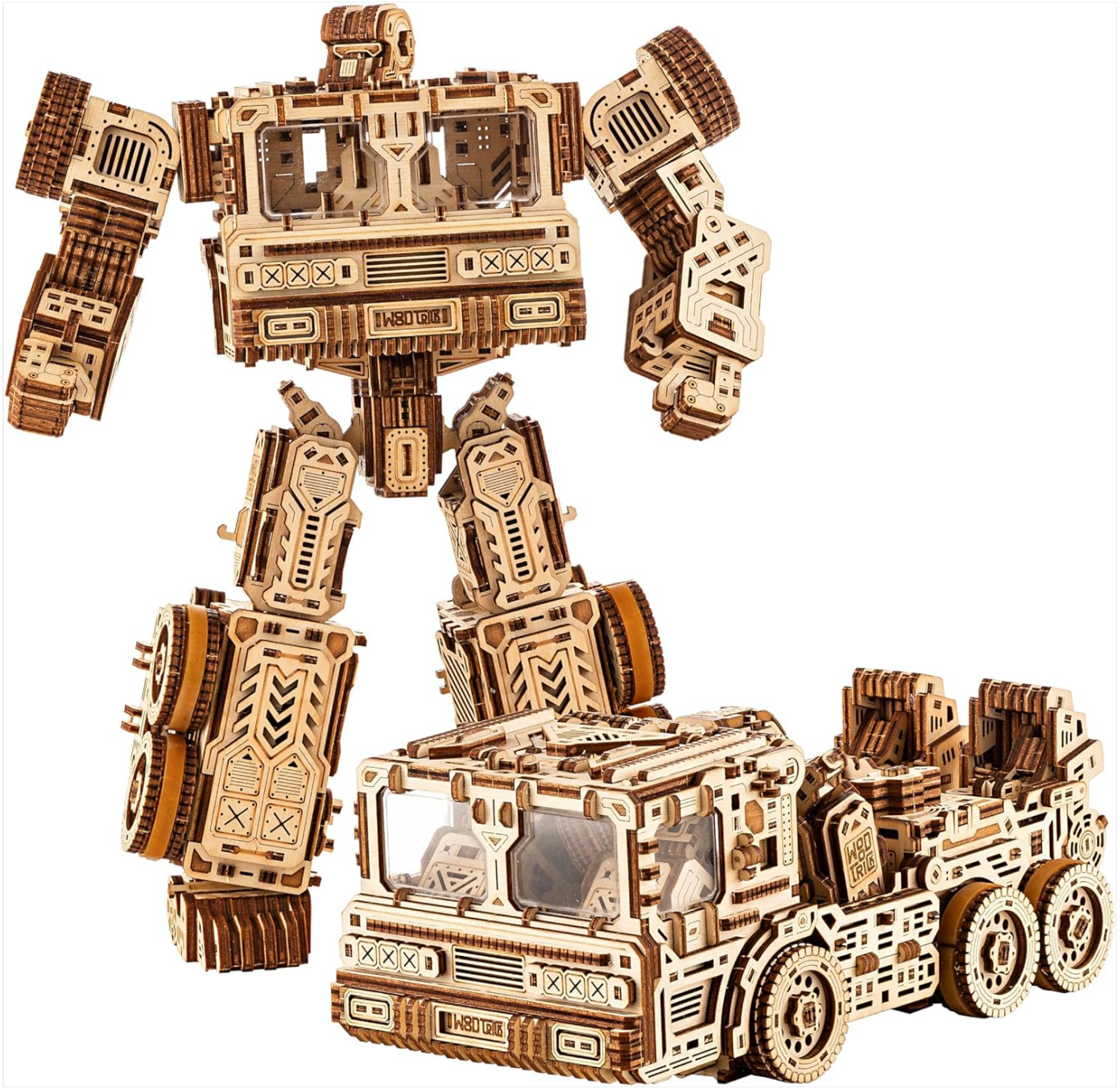


Figure 1: The Timbertron Ultima model showcasing both its robot and truck configurations.

Figure 2: A detailed view of the Timbertron Ultima in its robot and truck states, highlighting the intricate wooden design.

2. Safety Information

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 users. Handle wooden pieces with care to avoid splinters. Do not apply excessive force during assembly, as this may damage the components. Keep the product away from open flames and excessive moisture.
The manufacturer recommends this product for individuals aged 14 years and up.

3. What's in the Box

Upon opening the package, verify that all components are present:

- Timbertron Ultima 3D Wooden Puzzle Model Kit (consisting of 1212 laser-cut wooden pieces)
- Illustrated paper assembly instructions

Figure 3: The product packaging alongside the assembled robot and truck models, illustrating the contents.

4. Setup and Assembly

Assembly of the Timbertron Ultima is a detailed process that typically requires 14-16 hours. Follow the included illustrated instructions carefully. No glue is required for assembly; pieces are designed to interlock securely.

1. **Preparation:** Unpack all wooden sheets and identify the different parts. It is recommended to have a clean, well-lit workspace.
2. **Part Removal:** Gently press out each piece from its wooden frame. Use a small tool (e.g., a toothpick or craft knife) if necessary for delicate parts, but exercise caution to avoid breakage.
3. **Sanding (Optional):** If any edges feel rough, lightly sand them with fine-grit sandpaper.
4. **Waxing (Recommended):** For smoother movement of mechanical parts, especially gears and joints, apply a small amount of wax (e.g., from a candle) to the connecting points as indicated in the instructions. This reduces friction and prevents wear.
5. **Follow Instructions:** Assemble the model step-by-step according to the provided manual. Pay close attention to the orientation and connection points of each piece.
6. **Test Movements:** As sections are completed, test their intended movements (e.g., limb articulation, gear rotation) to ensure correct assembly before proceeding.

Figure 4: An example of the intricate gear mechanisms within the model, requiring careful assembly.

5. Operating Instructions

5.1 Robot Mode

In robot mode, the Timbertron Ultima features articulated limbs. Small springs integrated into the joints allow for various posing options. Gently manipulate the arms and legs to position the robot as desired. Avoid forcing movements beyond the natural range of motion to prevent damage.

Figure 5: The Timbertron Ultima robot model demonstrating its poseability.

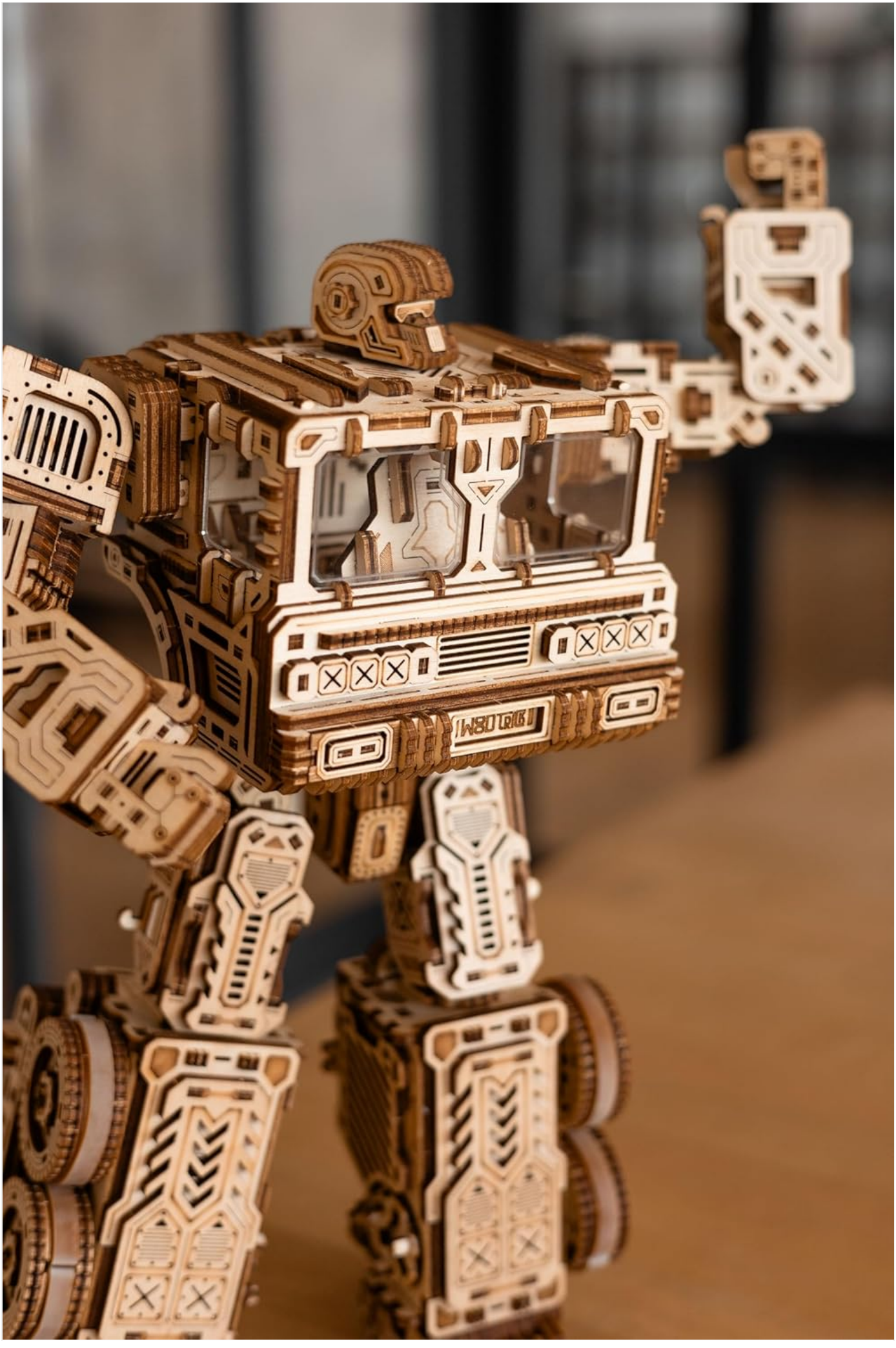


Figure 6: A detailed view of the robot's upper body, showing the intricate design and movable parts.

Figure 7: The Timbertron Ultima robot standing in a stable position.

5.2 Truck Mode

To transform the robot into a truck, follow the specific transformation steps outlined in the assembly manual. The transformation process is designed to be smooth. Once in truck mode, the model features a special freewheel mechanism that allows it to roll. Place the truck on a flat surface and gently push it to observe its movement. It can roll up to 9 feet on a smooth surface.

Figure 8: The Timbertron Ultima model during its transformation sequence.

Figure 9: A close-up view of the Timbertron Ultima in its truck configuration.

Figure 10: A side profile of the Timbertron Ultima truck model, highlighting its wheels and chassis.

6. Maintenance

- **Cleaning:** Dust the model regularly with a soft, dry cloth or a soft brush. Avoid using water or cleaning solutions, as they may damage the wood.
- **Storage:** Store the model in a dry environment, away from direct sunlight and extreme temperature fluctuations, to prevent warping or cracking of the wood.
- **Joint Lubrication:** If mechanical parts become stiff over time, reapply a small amount of wax to the moving joints and gears as needed.
- **Handling:** Always handle the assembled model with care, especially during transformation, to avoid putting undue stress on the wooden connections.

7. Troubleshooting

Problem	Possible Cause	Solution
Pieces do not fit together	Incorrect orientation; excess material; warped piece.	Verify piece orientation with the manual. Gently remove any excess wood with fine sandpaper. If warped, contact support.
Mechanical parts are stiff or do not move smoothly	Lack of lubrication; incorrect assembly; friction.	Apply wax to moving parts. Recheck assembly steps for errors. Ensure no pieces are rubbing excessively.
Model breaks during transformation	Excessive force applied; incorrect transformation sequence.	Follow transformation steps precisely as shown in the manual. Apply gentle, even pressure. Avoid sudden movements.
Missing or damaged pieces	Manufacturing defect; accidental damage during unpacking/assembly.	Contact Wood Trick customer support with details of the missing/damaged part.

8. Specifications

Brand: Wood Trick

Model: Timbertron Ultima

Number of Pieces: 1212

Assembled Dimensions: 4.3 x 14.2 x 5.5 inches (110 x 360 x 140 mm)

Item Weight: 4.31 pounds

Material: Natural Wood

Recommended Age: 14 years and up

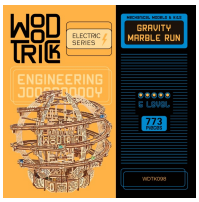
Assembly Time: Approximately 14-16 hours

Special Features: 2-in-1 transforming design (Robot to Truck), articulated limbs, freewheel mechanism.

9. Warranty & Support

Wood Trick products are manufactured with high-quality standards. For information regarding warranty coverage, missing parts, or technical assistance, please contact Wood Trick customer support.
You can visit the official Wood Trick store for more information and contact options:Wood Trick Store on Amazon.
Additionally, a digital version of the user manual may be available for download:User Manual (PDF).

Related Documents

	Wood Trick Nordic Chest Mechanical Model Kit Assembly Instructions Detailed assembly instructions for the Wood Trick Nordic Chest mechanical 3D wooden model kit (WDTK100). Learn how to build this intricate model with clear, step-by-step guidance.
	WoodTrick Gravity Marble Run: Build Your Own Mechanical Model Discover the WoodTrick Gravity Marble Run, an engaging 3D wooden puzzle kit. This electric series model offers a challenging and rewarding building experience for adults and teens, featuring 773 pieces and a 5-level design.
	Wood Trick Luminous Zeppelin WDTK101 Mechanical Model Kit Assembly Guide Detailed assembly instructions and overview for the Wood Trick Luminous Zeppelin (WDTK101) mechanical model kit. Features 487 pieces and 4 levels, designed for enthusiasts of intricate wooden puzzles.
	WoodTrick Buggy 3D Wooden Mechanical Model Kit Assembly Guide Comprehensive assembly instructions for the WoodTrick Buggy 3D wooden mechanical model kit. This guide details each step with part identification and assembly sequences for building the intricate wooden model.