Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

UGEARS 1

UGEARS The Tractor Wins Model Kit - Instruction Manual

Model: 1

Introduction

The UGEARS The Tractor Wins Model Kit is a unique 3D wooden mechanical puzzle designed for self-assembly. This model kit pays tribute to the resilience and courage of Ukrainian farmers, symbolizing their spirit by featuring a spring-driven tractor capable of towing a folding paper tank. It offers an engaging and rewarding building experience for both adults and children, resulting in a functional and visually appealing mechanical model.
This manual provides comprehensive instructions for assembly, operation, and maintenance of your UGEARS The Tractor Wins model. Please read all sections carefully before beginning assembly.

What's Included

Your UGEARS The Tractor Wins Model Kit contains all the necessary components for assembly. Please verify that all items listed below are present before starting.

- 272 precisely laser-cut wooden tractor pieces
- Cardboard tank pieces for assembly
- Tow string
- Small tools (e.g., sandpaper, wax)
- Illustrated instructions in 11 languages



Figure 1: All components included in the UGEARS The Tractor Wins Model Kit box, featuring laser-cut plywood boards, cardboard tank parts, and the instruction manual.

Assembly Instructions

Assembly of the UGEARS The Tractor Wins model requires patience and attention to detail. No glue or special tools beyond those provided are required. Follow the illustrated instructions carefully, step-by-step.

1. **Preparation:** Carefully remove all wooden pieces from their boards. Use the provided sandpaper to smooth any rough edges if necessary. Identify all parts according to the instruction manual's diagrams.
2. **Lubrication:** Apply the provided wax to all moving gears and axles as indicated in the instructions to ensure smooth operation.
3. **Tractor Assembly:** Begin by assembling the core mechanical components, including the spring-driven mechanism. Proceed to build the chassis, wheels, and cabin. Pay close attention to the orientation of each piece.
4. **Detailing:** Attach smaller decorative elements, including the flag. The tractor features openable hatch, doors, and hood for added realism.
5. **Tank Assembly:** Assemble the folding cardboard tank according to its separate instructions. This tank is

designed to be towed by the tractor.

6. **Final Check:** Once both the tractor and tank are assembled, ensure all connections are secure and moving parts operate freely.



Figure 2: Assembly process showing hands fitting together wooden components. No additional tools or glue are needed for construction.



Figure 3: The assembled tractor towing the cardboard tank. The image also highlights the customizable flag and functional elements like openable doors and hood.

Operating Instructions

The UGEARS The Tractor Wins model is powered by a spring-driven mechanism. Follow these steps to operate your model:

1. **Winding the Spring:** Locate the winding key or mechanism on the tractor (refer to your detailed instruction manual for exact location). Gently turn the key to wind the internal spring. Do not overwind, as this can damage the mechanism.
2. **Engaging the Drive:** Once wound, place the tractor on a flat, smooth surface. Release any locking mechanism that holds the spring in place (if applicable, consult the manual).
3. **Towing the Tank:** Attach the tow string from the tractor to the cardboard tank. Ensure the connection is secure.
4. **Movement:** The tractor will begin to move forward, pulling the tank behind it. Observe its mechanical movements.

▶ **Watch video online**

The Tractor Wins 15 sec Clear 16x9

Video 1: A short demonstration of the UGEARS The Tractor Wins model in action, showing its spring-driven movement and ability to tow the cardboard tank.

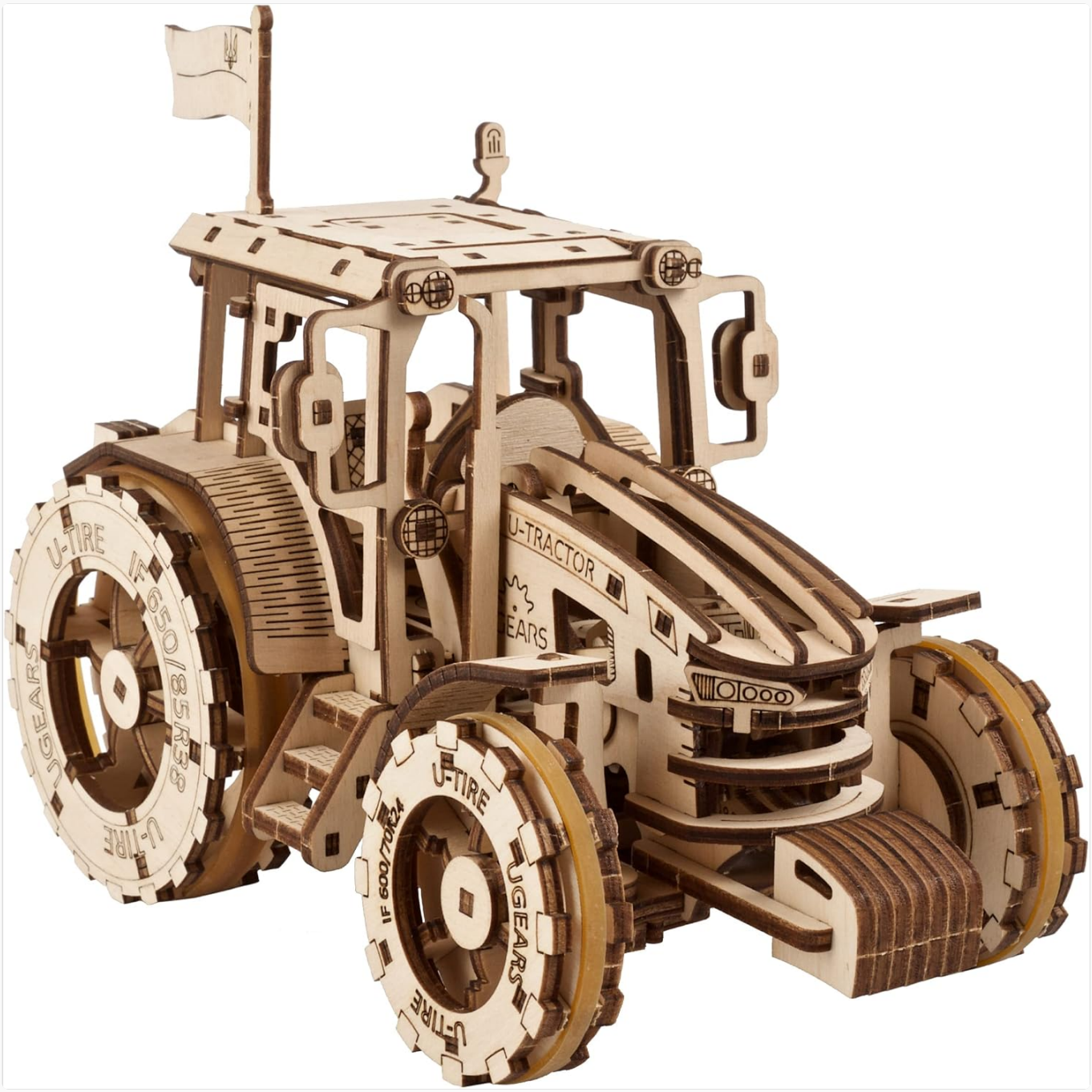

Figure 4: The completed UGEARS Tractor model, ready for operation.



Figure 5: The UGEARS Tractor Wins model and its accompanying cardboard tank, illustrating their combined display.

Maintenance

To ensure the longevity and smooth operation of your UGEARS model, follow these simple maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry cloth. Avoid using water or cleaning solutions, as they can damage the wood.
- **Lubrication:** Reapply wax to moving parts (gears, axles) periodically, especially if you notice increased friction or stiffness. Use only the wax provided or a similar non-liquid lubricant suitable for wood.
- **Storage:** Store the model in a dry environment, away from direct sunlight, extreme temperatures, and high humidity, which can cause the wood to warp or crack.
- **Handling:** Handle the model with care, especially delicate parts. Avoid dropping or applying excessive force.

Troubleshooting

If you encounter any issues with your UGEARS The Tractor Wins model, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Model does not move smoothly or stops frequently.	Insufficient lubrication on gears/axles; parts are too tight; spring not fully wound.	Apply more wax to all moving parts. Gently loosen any overly tight connections. Ensure the spring is fully wound without over-stressing it.
Pieces do not fit together easily.	Rough edges on wooden parts; incorrect orientation.	Use the provided sandpaper to gently smooth the edges. Double-check the instruction manual for correct part orientation. Do not force pieces.
Spring mechanism does not engage.	Locking mechanism still engaged; internal gear misalignment.	Ensure the release lever or locking mechanism is fully disengaged. Refer to the assembly steps for the spring mechanism to check for any misaligned gears.

Specifications

Feature	Detail
Model Name	The Tractor Wins
Brand	UGEARS
Model Number	1
Number of Parts	272 (Tractor) + Cardboard Tank
Assembly Time (Approx.)	7 hours
Product Dimensions (Tractor)	8.7 x 6.5 x 4.5 inches (L x W x H)
Product Dimensions (Tank)	13.2 x 5.5 x 3.4 inches (L x W x H)
Item Weight	2.05 pounds
Material	High-quality Plywood, Cardboard
Recommended Age	14+
First Available Date	September 15, 2022



Figure 6: Detailed specifications including dimensions, part count, and estimated assembly time for the model.

Warranty and Support

UGEARS products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your product or visit the official UGEARS website. If you require technical assistance or have questions regarding assembly, please contact UGEARS customer support through their official channels.
For additional resources and community support, you may also visit theUGEARS Store on Amazon.

© 2024 UGEARS. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the

question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question

Open the live page

https://manuals.plus/asin/B0BFG7KPP2

More documents and user manuals: **https://manuals.plus/**