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UGEARS VM-05

UGEARS Dream Cabriolet VM-05 Wooden 3D Puzzle Instruction Manual

Model: VM-05 | Brand: UGEARS

1. Introduction

Welcome to the world of UGEARS mechanical models! This instruction manual provides detailed guidance for assembling and operating your Dream Cabriolet VM-05. This intricate 3D wooden puzzle is inspired by classic 1950s American cars, featuring a functional V8 engine and realistic moving parts. Designed for adults, this model offers a challenging yet rewarding building experience.

The UGEARS Dream Cabriolet VM-05 is an advanced assembly model, consisting of 739 parts and requiring approximately 13 hours for completion. No glue or special tools are required for assembly, as all parts are precisely laser pre-cut from plywood boards.



Image: The UGEARS Dream Cabriolet VM-05 model and its packaging.



Image: An individual proudly displaying the completed UGEARS Dream Cabriolet VM-05 model.

2. What's in the Box

Your UGEARS Dream Cabriolet VM-05 kit includes all necessary components for assembly:

- 739 plywood board pieces
- Rubber-band motor
- Transmission lever
- Moving gears
- Window cranks
- Windshield wipers
- Lifting jack
- Repair toolkit
- Trunk and hood opening mechanisms

Illustrated instructions are provided in 11 languages to guide you through each step of the assembly process.



Image: All components included in the UGEARS Dream Cabriolet VM-05 kit, laid out for inspection.

3. Assembly Instructions

Follow the detailed, illustrated instructions provided in your kit. Take your time and pay close attention to the orientation of each piece and sub-assembly. Precision is key for optimal functionality.

Key Assembly Tips:

- **Part Removal:** Gently remove pieces from the plywood boards. If a piece is stubborn, use a small tool or fine sandpaper to carefully detach it without forcing.
- **Lubrication:** The kit includes a wax stick. Apply wax to all moving gears, axles, and contact points as indicated in the instructions to ensure smooth operation.
- **No Glue Required:** The model is designed for interlocking assembly. Avoid using glue unless specifically instructed for repair purposes.
- **Patience:** This is an advanced model. Enjoy the process and do not rush. If a step seems difficult, re-read the instructions and examine the diagrams carefully.



Image: Demonstrating the interlocking assembly of the wooden pieces without the need for glue.

Assembly Overview:

The assembly process typically begins with the chassis and engine components, progressing to the body, interior, and finishing details. Regular testing of moving mechanisms during assembly is recommended to identify and resolve any issues early.

▶ **Watch video online**
UGEARS Dream Cabriolet Mechanical 3D Model for self Assembly

Video: Official UGEARS video showcasing the assembly process of the Dream Cabriolet mechanical 3D model.

4. Operating Instructions

Once fully assembled, your UGEARS Dream Cabriolet VM-05 is a marvel of mechanical engineering. It features a V8 engine with moving pistons, functional doors, a trunk with a winding knob, and a rubber band motor.

Key Operational Features:

- **Rubber Band Motor:** The model is powered by a durable rubber band motor. Wind the motor using the designated mechanism (often located in the trunk or under the hood).
- **Transmission Lever:** Engage the transmission lever to select between forward, reverse, and idle modes. In idle mode, you can observe the V8 engine's pistons in action without the car moving.
- **Functional Doors and Trunk:** The doors can be opened and closed, and the trunk features a winding knob.
- **Steering Wheel and Window Cranks:** The steering wheel is functional, allowing you to turn the front wheels. Window cranks also operate realistically.
- **Hidden Compartments:** Discover the hidden fire extinguisher and first-aid kit for added charm and detail.

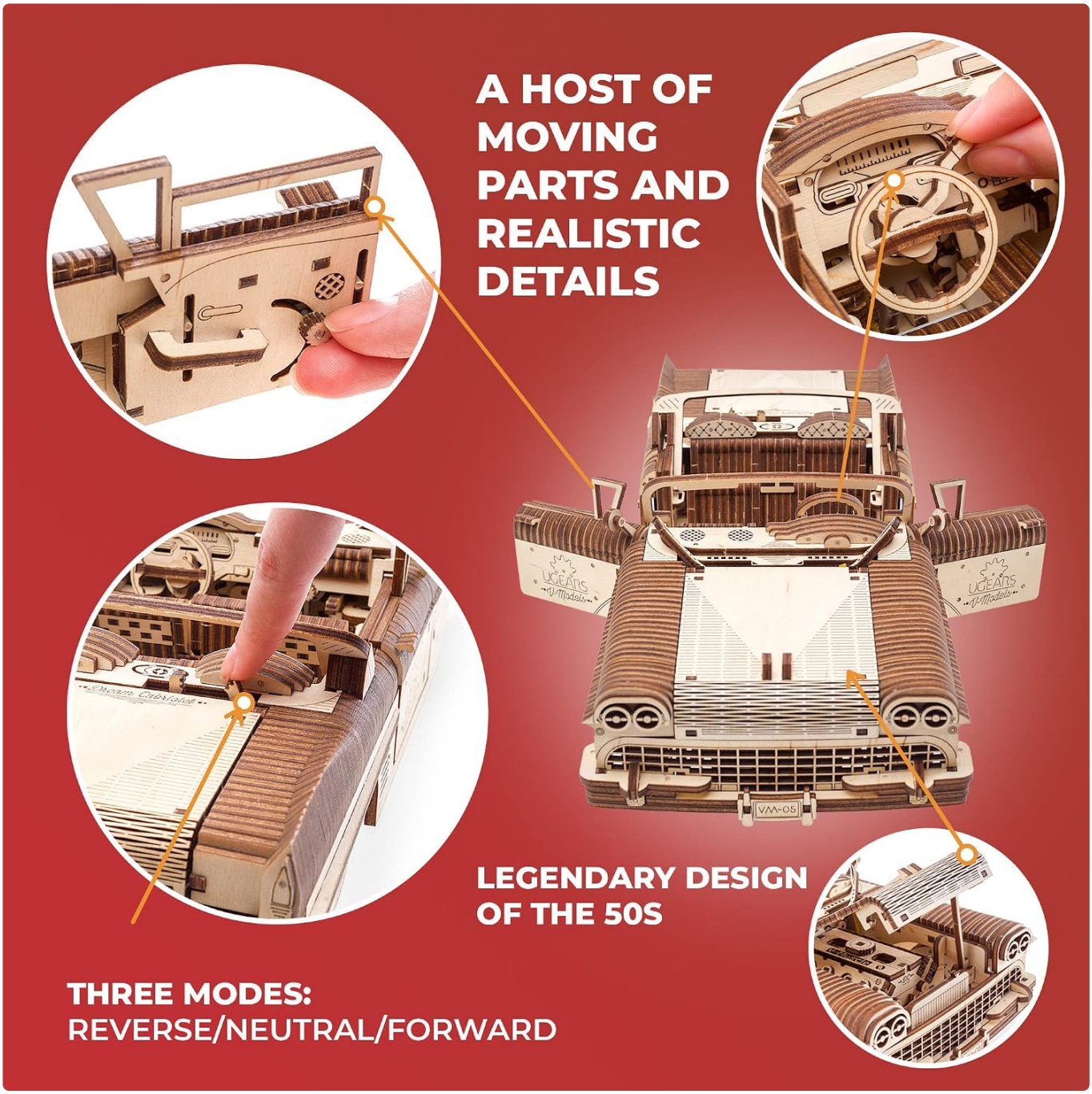


Image: A detailed view of the Dream Cabriolet VM-05 highlighting its functional doors, steering wheel, and engine components.

5. Maintenance

To ensure the longevity and smooth operation of your UGEARS Dream Cabriolet VM-05, follow these simple

maintenance guidelines:

- **Keep Dry:** Store the model in a dry environment, away from excessive humidity, which can cause the wood to warp or swell.
- **Avoid Direct Sunlight:** Prolonged exposure to direct sunlight can fade the wood and weaken its structure.
- **Gentle Handling:** Handle the model with care, especially when operating moving parts, to prevent breakage.
- **Re-wax Moving Parts:** If any moving parts become stiff over time, re-apply wax to the contact surfaces as per the original assembly instructions.
- **Cleaning:** Dust the model gently with a soft, dry cloth. Avoid using liquid cleaners.

6. Troubleshooting

If you encounter any issues with your Dream Cabriolet VM-05, consider the following common solutions:

- **Parts Not Moving Smoothly:** Ensure all gears and axles are properly waxed. Check for any small wooden debris or misaligned pieces obstructing movement.
- **Motor Not Winding/Engaging:** Verify that the rubber bands are correctly installed and not twisted. Check the winding mechanism for any obstructions.
- **Loose Connections:** If parts feel loose, gently press them together to ensure they are fully seated in their interlocking slots.
- **Broken Piece:** While the wood is durable, accidental breakage can occur. If a piece breaks, wood glue can be used for repair. Contact UGEARS support if a critical piece is damaged beyond repair.

7. Specifications

Feature	Detail
Product Dimensions	13.78 x 6.18 x 0.04 inches
Item Weight	2.98 pounds
Item Model Number	70073
Manufacturer Recommended Age	14 years and up
Number of Parts	739
Approximate Assembly Time	13 hours
Material	Plywood



Image: Visual representation of the Dream Cabriolet VM-05's dimensions, part count, and estimated assembly time.

8. Warranty and Support

For any questions, concerns, or support regarding your UGEARS Dream Cabriolet VM-05, please refer to the contact information provided in your product packaging or visit the official UGEARS website. UGEARS is committed to providing high-quality mechanical models and customer satisfaction.

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.

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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.

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