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Mould King 10171

Mould King Mini V8 Engine Model Kit 10171 Instruction Manual

Model: 10171

1. INTRODUCTION

This instruction manual provides detailed guidance for assembling and operating your Mould King Mini V8 Engine Model Kit 10171. This kit is designed to offer an engaging and educational experience, allowing users to construct a functional V8 engine model and observe its mechanical principles. It is suitable for individuals aged 14 and up.



Image 1.1: The Mould King Mini V8 Engine Model Kit 10171, showcasing its intricate design and transparent components.

2. PRODUCT COMPONENTS

Your Mould King Mini V8 Engine Model Kit 10171 includes 487 precisely engineered pieces. These components are designed to fit together seamlessly, forming a detailed and functional V8 engine replica. Key components include:

- **Transparent Cylinder Head:** Allows visibility of internal piston movement.
- **Dynamic Piston Motion:** Replicates the operational movement of a real engine.
- **Realistic Turbocharger:** A simulated turbocharger component.
- **Intricate Wiring and Motor Block:** Detailed structural elements for an authentic appearance.
- **Power Module:** To energize the engine's moving parts.

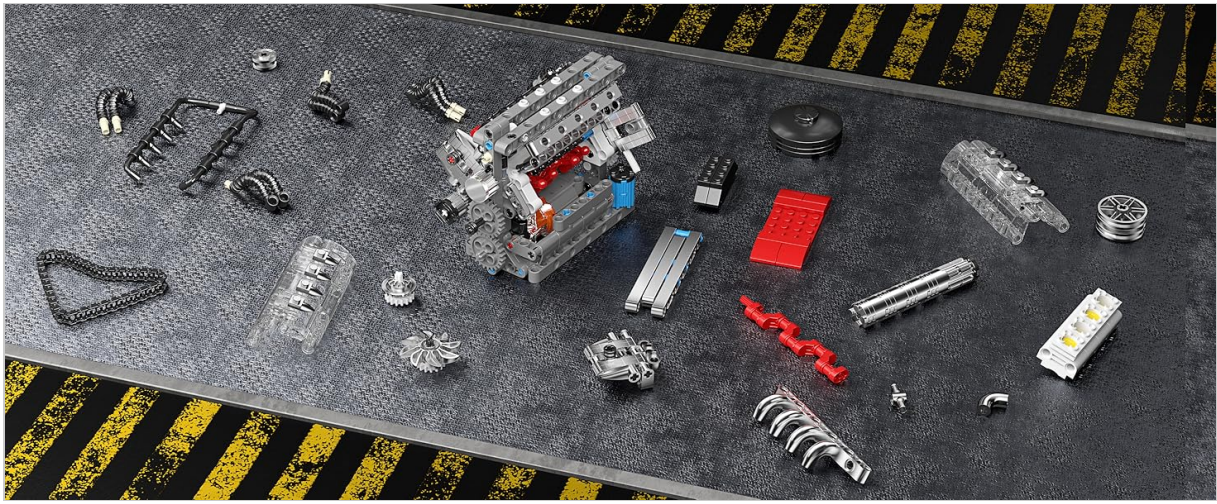


Image 2.1: An overview of the various components included in the kit, laid out for assembly.

3. ASSEMBLY INSTRUCTIONS

Follow the step-by-step visual instructions provided in the included physical manual. Ensure all pieces are correctly identified and connected as indicated. Take your time during assembly to ensure proper function and stability of the model.

1. **Unpack Components:** Carefully open all bags and organize pieces by type or as instructed in the manual.
2. **Follow Manual Steps:** Adhere strictly to the sequence of steps outlined in the official Mould King assembly guide.
3. **Secure Connections:** Ensure all building blocks are firmly connected to prevent parts from detaching during operation.
4. **Install Power Module:** Integrate the power module as directed, ensuring correct orientation and connection to the engine's moving parts.

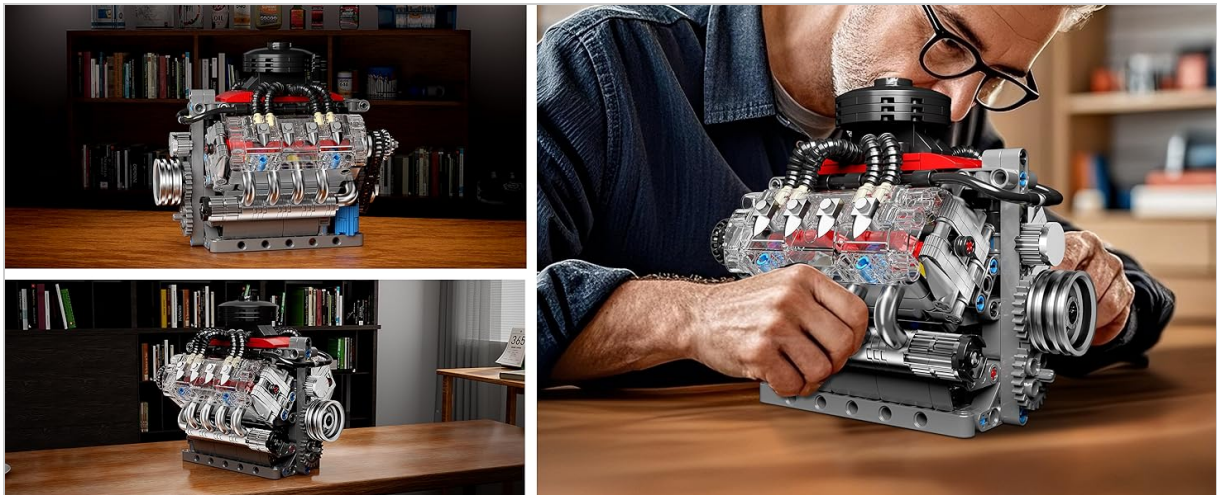


Image 3.1: A person engaged in the assembly process of the V8 engine model, demonstrating the hands-on nature of the kit.

4. OPERATING INSTRUCTIONS

Once assembled, the Mould King Mini V8 Engine Model can be operated to demonstrate its mechanical functions.

- **Power Source:** Ensure the power module is correctly installed and has fresh batteries (not included).
- **Activation:** Locate the power switch or button on the power module and activate it. The engine's internal components, such as pistons and crankshaft, will begin to move.

- **Observation:** Observe the synchronized movement of the pistons, crankshaft, and other gears through the transparent casing. This demonstrates the basic principles of a V8 engine.



Image 4.1: Detailed view of the engine model highlighting the rotatable engine wheel, engine tube, and crankshaft, illustrating the dynamic components.

Official Product Video: V8 Engine Building Kits

Video 4.1: This video demonstrates the assembly process and the operational movement of the Mould King Mini V8 Engine Model Kit, showcasing its functional aspects.

5. MAINTENANCE

To ensure the longevity and proper function of your Mould King Mini V8 Engine Model, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe dust from the model. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Battery Replacement:** Replace batteries in the power module as needed to maintain optimal performance.

- **Component Check:** Periodically inspect connections to ensure all pieces remain securely attached.

6. TROUBLESHOOTING

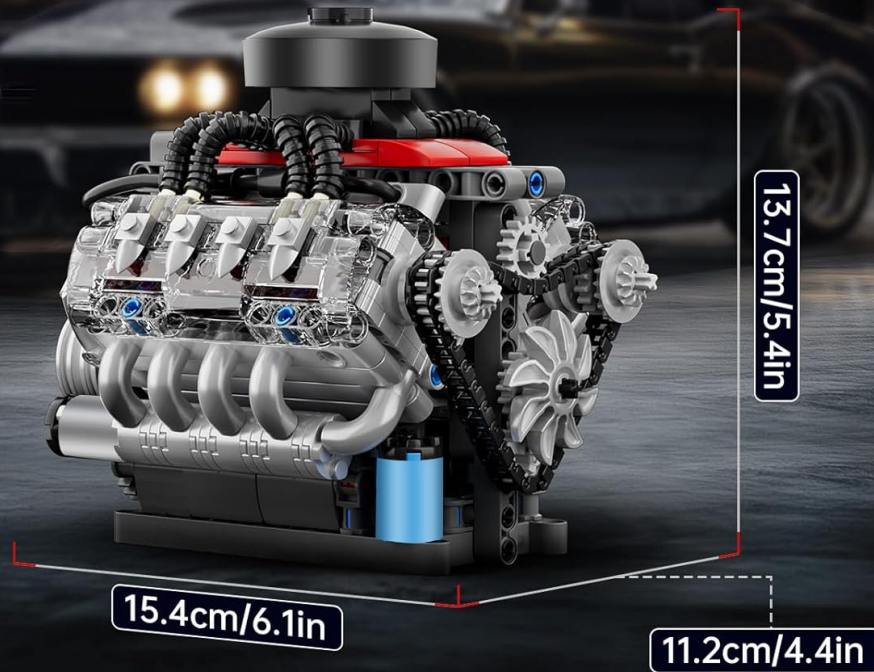
If you encounter issues with your Mould King Mini V8 Engine Model, consider the following:

- **Engine Not Running:**
 - Check if the power module is switched on.
 - Verify that batteries are correctly inserted and have sufficient charge.
 - Ensure all connections between the power module and the engine are secure.
- **Parts Detaching:**
 - Re-examine the assembly steps in the manual to confirm all pieces are correctly and firmly attached.
 - Apply gentle pressure to re-secure any loose connections.
- **Missing Pieces:**
 - Carefully check all packaging materials and the assembly area.
 - If pieces are genuinely missing, contact Mould King customer support for assistance.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.1 x 4.4 x 5.4 inches
Item Weight	1.26 pounds
Model Number	FT-10171-1104
Manufacturer Recommended Age	14 years and up
Number of Pieces	487
Manufacturer	Mould King

487 PCS



ENGINE DIMENSIONS DISPLAY

Image 7.1: Visual representation of the Mould King Mini V8 Engine Model Kit with its key dimensions indicated.

8. SAFETY INFORMATION

This product is recommended for individuals **over 14 years old**. It contains small parts that may pose a choking hazard to younger children. Adult supervision is advised during assembly and operation, especially for younger users within the recommended age range.

9. WARRANTY AND SUPPORT

Mould King products are manufactured to high-quality standards. For any questions, concerns, or to report missing parts, please refer to the contact information provided in the product packaging or visit the official Mould King website for customer support. Please retain your proof of purchase for warranty claims.

