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Mould King WX10169-LYF

Mould King 10169 Technique V12 Engine Building Blocks Toy User Manual

Model: WX10169-LYF

1. INTRODUCTION

Welcome to the user manual for your Mould King 10169 Technique V12 Engine Building Blocks Toy. This manual provides essential information for assembling, operating, and maintaining your model. Please read these instructions carefully before beginning assembly to ensure a smooth and enjoyable building experience.

2. PRODUCT OVERVIEW

The Mould King 10169 is a detailed V12 engine building block set consisting of 3472 pieces. This advanced construction kit features an integrated electric motor drive, allowing for APP-controlled functionality. Designed for enthusiasts aged 14 and up, it offers a comprehensive building experience that promotes engineering skills and critical thinking.



Figure 2.1: Mould King 10169 V12 Engine Building Blocks Toy, showing the product packaging and the fully assembled engine model.



Figure 2.2: The Mould King V12 Engine model shown within a car chassis, illustrating its intended application and the motor drive system.

3. ASSEMBLY

The assembly of the Mould King 10169 V12 Engine requires careful attention to detail due to its 3472 components. Follow the included step-by-step building instructions provided in the packaging. Ensure all connections are secure and components are correctly oriented. The set includes a Lithium Ion battery, which will need to be installed during the assembly process as indicated in the building guide. Pay close attention to the placement of the battery box and the routing of cables for the electric motor.

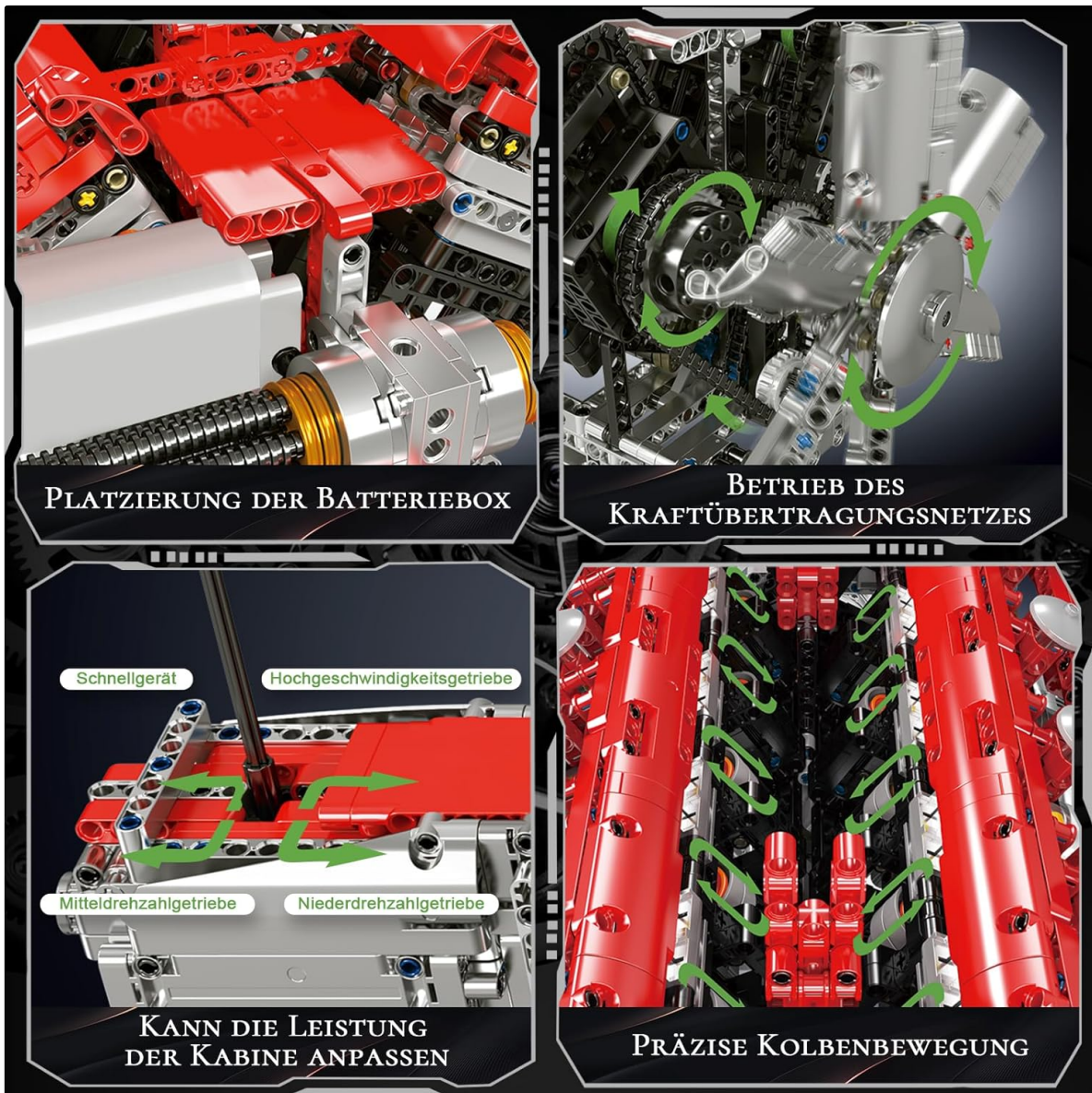


Figure 3.1: Close-up views illustrating key assembly points, including the battery box installation, power transmission network, gear adjustment mechanism, and precise piston movement.

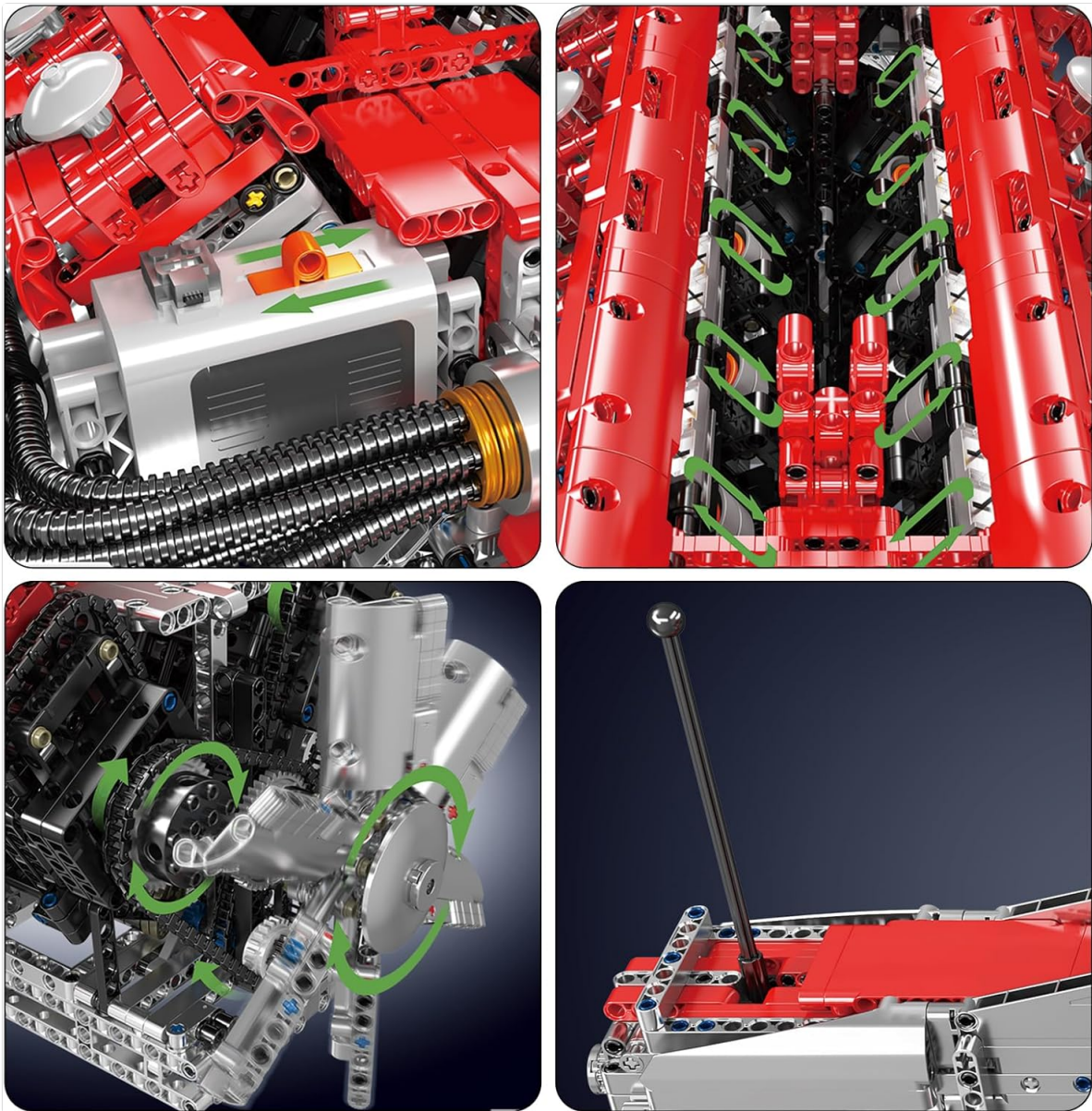


Figure 3.2: Additional detailed images showcasing the intricate internal mechanisms, gear systems, and the manual control lever for the engine.

4. OPERATING INSTRUCTIONS

Once assembled, the Mould King 10169 V12 Engine can be operated via a dedicated application.

1. **App Installation:** Download the official Mould King control application from your device's app store.
2. **Connection:** Ensure the engine's electric motor is powered on and connect your device to the model via Bluetooth as prompted by the app.
3. **Control:** Use the app interface to control the engine's movements and functions. The electric motor drives the internal mechanisms, simulating precise piston movement and power transmission. The app may allow for adjustment of gear speeds (high, medium, low) to observe different operational dynamics.

Refer to the app's in-app instructions for specific control functionalities.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Mould King 10169 V12 Engine model, follow these maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but avoid excessive moisture.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Component Check:** Periodically inspect connections and moving parts to ensure they are secure and functioning correctly.
- **Battery Care:** If storing the model for an extended period, remove the Lithium Ion battery to prevent leakage and damage.

6. TROUBLESHOOTING

If you encounter issues with your Mould King 10169 V12 Engine, consider the following troubleshooting steps:

- **Motor Not Responding:**
 - Check if the battery is correctly installed and charged.
 - Ensure all electrical connections within the model are secure.
 - Verify that the app is properly connected to the model via Bluetooth.
- **App Connectivity Issues:**
 - Restart the app and your device.
 - Ensure Bluetooth is enabled on your device.
 - Move closer to the model to improve signal strength.
- **Mechanical Sticking:**
 - Inspect moving parts for any misaligned or jammed blocks.
 - Ensure no foreign objects are obstructing the gears or pistons.

If problems persist, consult the manufacturer's support resources.

7. SPECIFICATIONS

Key specifications for the Mould King 10169 Technique V12 Engine Building Blocks Toy:

- **Model Number:** WX10169-LYF
- **ASIN:** B0DQ52PFX7
- **Manufacturer:** MOULD KING
- **Recommended Age:** 14 years and up
- **Battery Type:** 1 Lithium Ion battery (included)
- **Number of Pieces:** 3472
- **Control Method:** APP-controlled Electric Motor Drive



MOLD KING ENGINE SERIES V12 SUPERCAR MOTORENGRÖÖE

Figure 7.1: Dimensional overview of the assembled V12 Engine model, indicating its length, width, and height.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or inquiries regarding replacement parts, please contact Mould King customer service directly. Refer to the packaging or the official Mould King website for contact details.