

Mould King V12 Engine Model Kit

Mould King V12 Engine Model Kit Instruction Manual

INTRODUCTION

This manual provides detailed instructions for assembling and operating your Mould King V12 Engine Model Kit. This highly detailed building block set authentically replicates a classic V12 engine, featuring a V-shaped 12-cylinder design with realistic working mechanics. It is designed for enthusiasts aged 14 and up, offering an engaging experience in mechanical engineering principles.



An overview of the fully assembled Mould King V12 Engine Model Kit, showcasing its detailed design and the included L-motor and battery box.

Safety Information

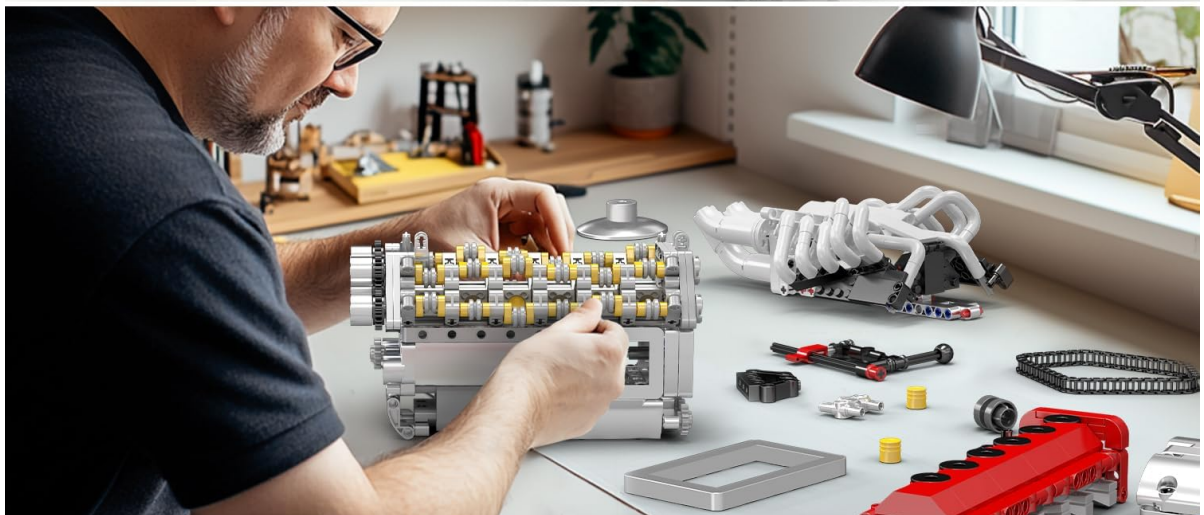
- This product is intended for individuals aged 14 years and older.
- Adult supervision is recommended during the assembly and operation of the model.
- Keep small parts away from young children to prevent choking hazards.
- Do not ingest any components of the kit.
- Ensure batteries are inserted correctly according to polarity markings. Do not mix old and new batteries, or different types of batteries.

Setup and Assembly

The Mould King V12 Engine Model Kit includes 1366 premium ABS pieces. To begin assembly, unpack all components and organize them. Follow the intuitive step-by-step color manual provided in the box for a smooth construction process. Pieces are organized in clearly numbered bags to simplify identification and assembly.

1. **Step 1:** Open the numbered bags sequentially as indicated in the manual.

2. **Step 2:** Carefully follow the visual instructions in the color manual to connect the building blocks.
3. **Step 3:** Pay close attention to the orientation and placement of each piece to ensure proper functionality of moving parts.
4. **Step 4:** Once the main engine structure is complete, integrate the L-type motor and battery box according to the manual's electrical connection diagrams.



BUILD THE ICONIC HEART OF A SUPERACR, PIECE BY PIECE

A builder meticulously assembling the V12 engine model, highlighting the intricate process of connecting various components to form the engine's core.

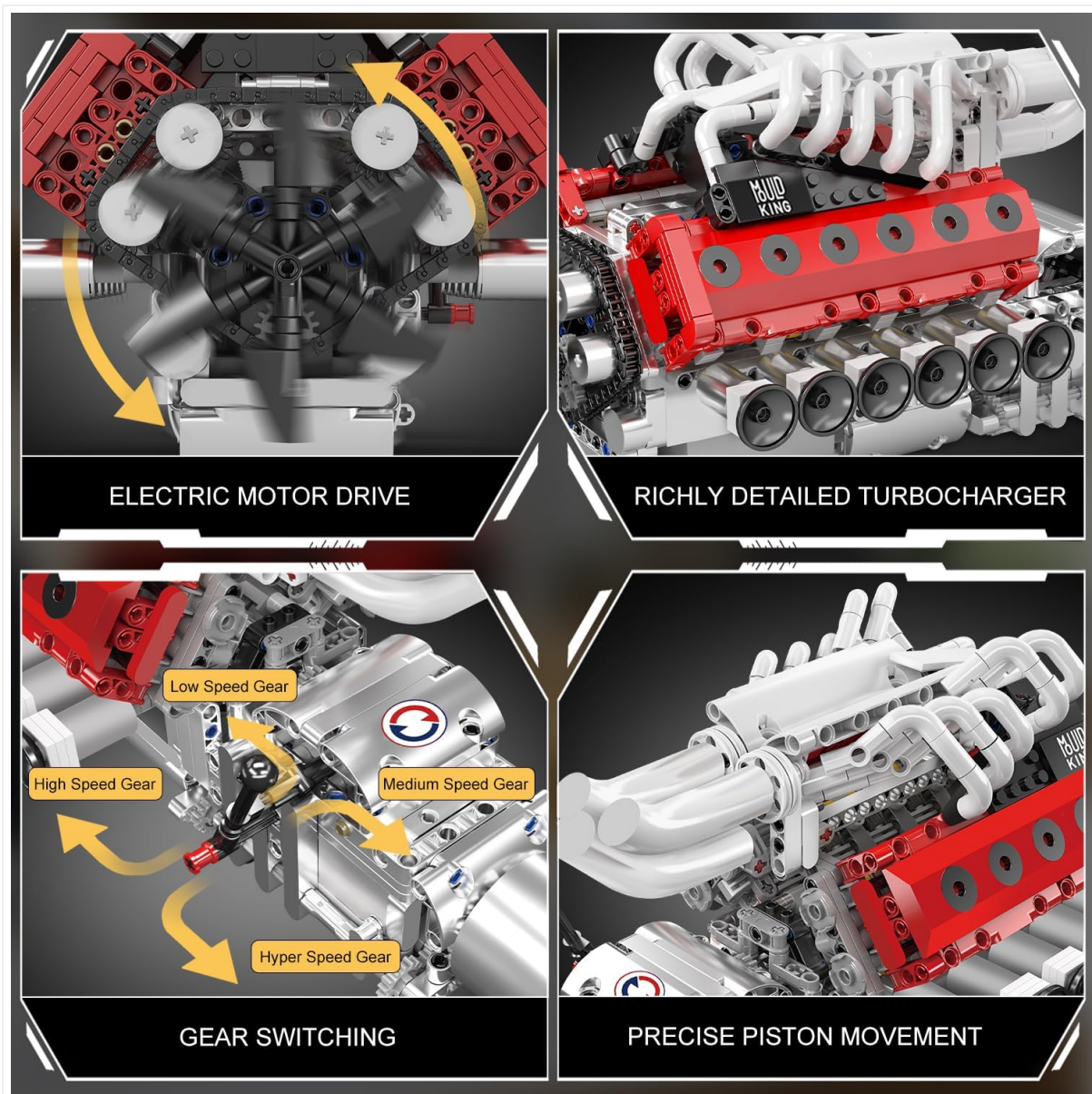


An individual focused on constructing the Mould King V12 Engine Model Kit, with the instruction manual visible, emphasizing the immersive and rewarding building experience.

OPERATING INSTRUCTIONS

Once assembled, your Mould King V12 Engine Model Kit is ready for operation. It is powered by an L-type motor and battery box, designed to bring the realistic mechanics to life.

- **Engine Start-up:** Ensure the L-type motor is securely connected to the battery box. Insert the required 'A' batteries (1 included) into the battery box, observing correct polarity. Activate the power switch on the battery box to start the engine.
- **Realistic Mechanics:** Observe the synchronized movement of the pistons, the spinning turbocharger, and the functioning exhaust system as the engine runs. These features demonstrate real engineering principles.
- **Gear Shift:** Utilize the movable gear shift mechanism to adjust the engine's operating speeds. Experiment with different gear positions to see the effect on the engine's rotation and component movement.



This image displays four key operational aspects: the electric motor drive, the richly detailed turbocharger, the gear switching mechanism, and the precise piston movement within the engine model.

MAINTENANCE

To ensure the longevity and optimal performance of your Mould King V12 Engine Model Kit, follow these simple maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry cloth or a soft brush to prevent dust accumulation in moving parts. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the plastic components.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures. Prolonged exposure to heat or UV light can cause plastic to warp or fade.
- **Component Check:** Periodically inspect all connections and moving parts to ensure they remain securely fitted and operate smoothly. If any part feels loose, gently re-secure it according to the assembly instructions.
- **Battery Care:** Remove batteries from the battery box if the model will not be used for an extended period to prevent leakage and potential damage.

TROUBLESHOOTING

If you encounter any issues with your Mould King V12 Engine Model Kit, refer to the following common troubleshooting steps:

- **Missing Pieces:** If you believe a piece is missing, first double-check the packaging and all numbered bags. Sometimes small pieces can be overlooked. If a piece is genuinely missing, contact Mould King customer support with details of the missing part (part number from manual, description).
- **Motor Not Functioning:**
 - Ensure batteries are correctly installed with the proper polarity and have sufficient charge. Replace with fresh batteries if necessary.
 - Verify all electrical connections between the L-type motor and the battery box are secure and fully inserted.
 - Check for any physical obstructions (e.g., misplaced blocks, dust) in the gears or moving parts that might prevent rotation.
- **Loose Connections or Parts:** If parts feel loose or detach easily, re-examine the assembly steps for that specific section in the manual. Ensure all pieces are pressed firmly together and correctly aligned.
- **Difficulty with Gear Shifting:** Ensure the gear mechanism is assembled correctly and there are no obstructions preventing smooth movement. Apply gentle force when shifting.

SPECIFICATIONS

Feature	Detail
Product Dimensions	14.96 x 7.08 x 6.77 inches
Item Weight	3.31 pounds
ASIN	B0FNWPH3SM
Manufacturer Recommended Age	14 years and up
Batteries	1 A battery required (included)
Manufacturer	Mould King

WARRANTY AND SUPPORT

For detailed warranty information, specific product support, or to inquire about replacement parts, please refer to the documentation included in your product packaging. You may also visit the official Mould King website for additional resources or contact the seller directly through the platform where the purchase was made. Please have your product model number (V12 Engine Model Kit) and ASIN (B0FNWPH3SM) ready when contacting support.