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> Mould King 10155 Technique V8 Engine Building Kit Instruction Manual

## Mould King 10155

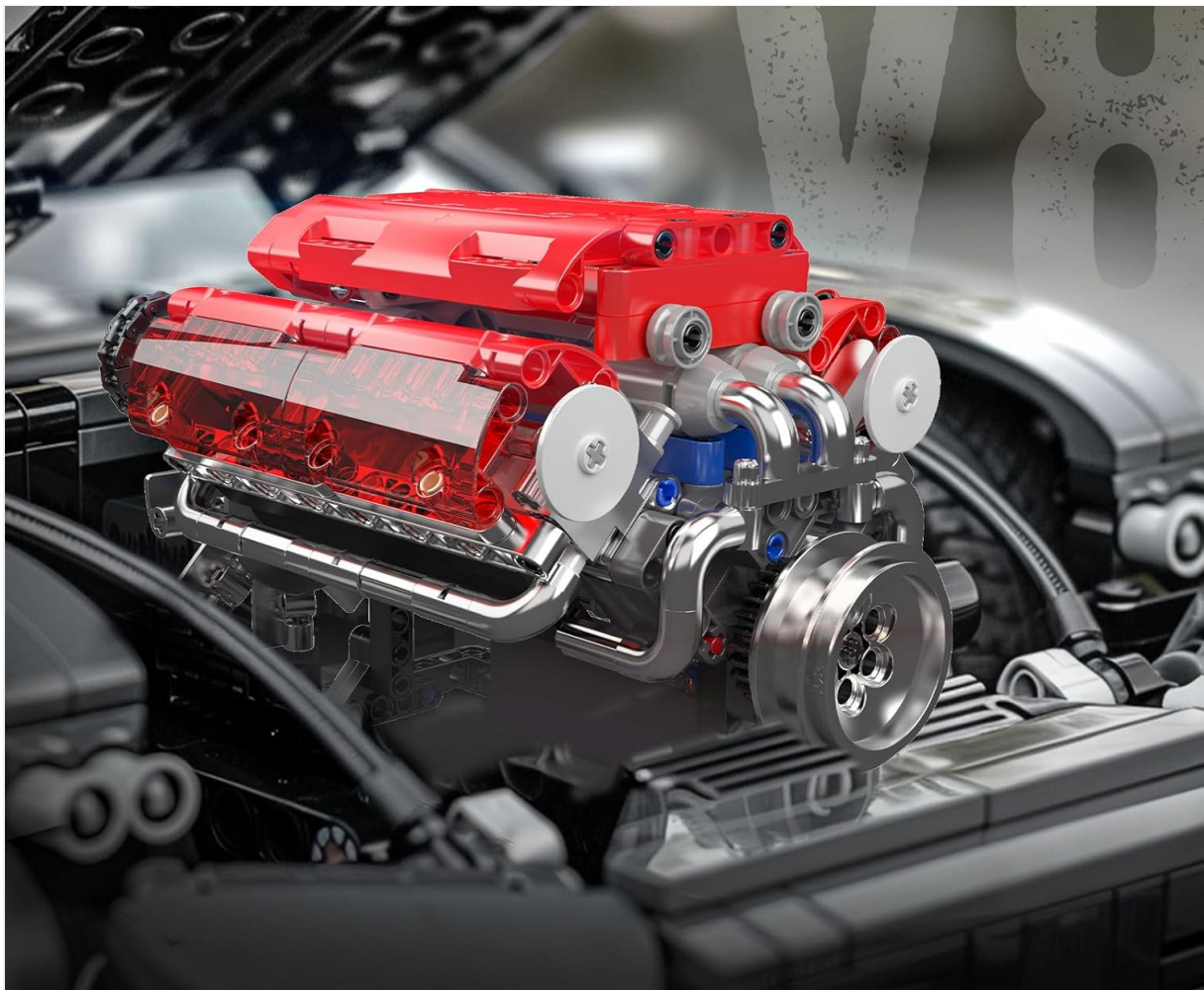
# Mould King 10155 Technique V8 Engine Building Kit

Model: 10155 | Brand: Mould King

## INTRODUCTION

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Thank you for choosing the Mould King 10155 Technique V8 Engine Building Kit. This kit provides an engaging and educational experience in mechanical engineering and creative thinking. Designed for enthusiasts of construction toys, this model allows you to build a detailed V8 engine with realistic features and dynamic movement. This manual provides essential information for assembly, operation, maintenance, and troubleshooting to ensure a rewarding experience.



## BUILD YOUR OWN V8 ENGINE - SCIENCE EXPERIMENT STEM TOY

Image: The fully assembled Mould King 10155 Technique V8 Engine model, showcasing its intricate design and red transparent components.

### SAFETY INFORMATION

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- **Recommended Age:** This building kit is recommended for ages 8 years and up. Adult supervision is advised for younger builders.
- **Material:** The kit is made from high-quality ABS plastic, ensuring a safe building experience.
- **Small Parts:** The kit contains small parts which may pose a choking hazard. Keep out of reach of children under 3 years old.
- **Battery Safety:** Follow all battery safety guidelines when installing and replacing batteries. Do not mix old and new batteries, or different types of batteries. Remove batteries if the product is not used for an extended period.

### PACKAGE CONTENTS

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The Mould King 10155 kit includes 552 pieces, individually packaged for ease of assembly. Each package contains:

- Building blocks for the V8 engine model (552 pieces)

- Detailed instruction manual (this document provides general guidance; a separate, comprehensive assembly manual is included in the box)
- Power supply module
- Battery case (requires 6 additional batteries, not included)

## ASSEMBLY INSTRUCTIONS (SETUP)

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The assembly process for the Mould King 10155 V8 Engine is manual and designed to be straightforward with the included step-by-step instructions. Each accessory is packed in a separate bag, simplifying identification and assembly.

1. **Unpack Components:** Carefully open all individually packaged bags and organize the building blocks. It is recommended to sort pieces by type or color to facilitate assembly.
2. **Follow the Manual:** Refer to the dedicated assembly instruction manual provided in the box. This manual contains detailed diagrams and steps for constructing the V8 engine model.
3. **Battery Installation:** Locate the battery case. This case requires 6 non-rechargeable batteries (e.g., AA or AAA, not included). Insert the batteries according to the polarity markings inside the case.
4. **Connect Power Module:** Once the engine structure is complete, connect the power supply module and the battery case to the designated ports on the model as indicated in the assembly manual.

### NON-RECHARGEABLE BATTERY CASE

Need to buy 6 batteries and put them in the battery case

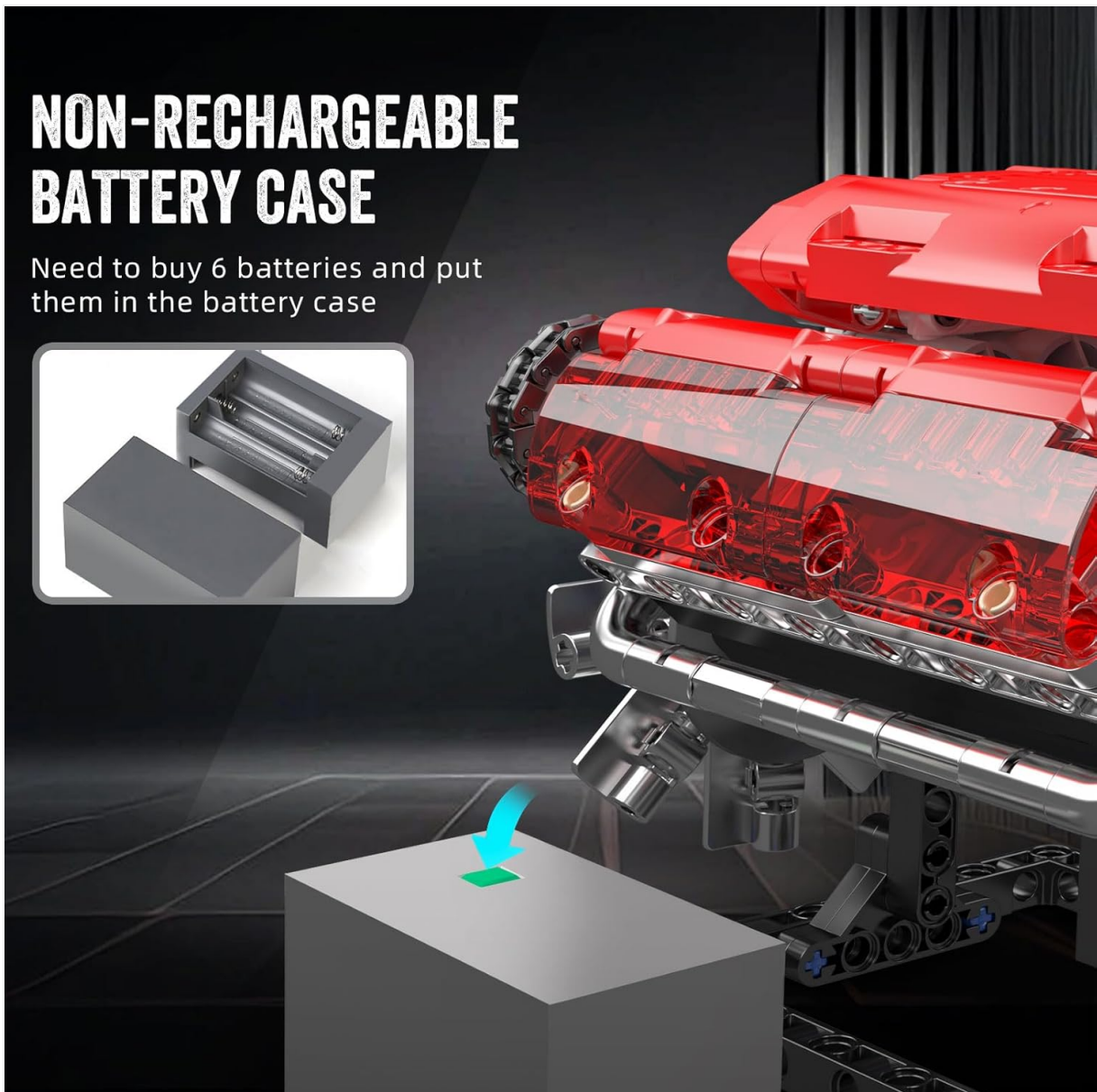


Image: Illustration of the non-rechargeable battery case, indicating the need to purchase 6 separate batteries for operation.

## OPERATING INSTRUCTIONS

Once assembled and powered, the Mould King 10155 V8 Engine model offers an electric drive that replicates real engine dynamics. The engine contains numerous realistic details and features, including a unique valve mechanism and detailed turbochargers.

1. **Activate Power:** Ensure the power supply module and battery case are correctly connected. Locate the power switch on the model and turn it ON.
2. **Observe Operation:** The electric motor will drive the internal components, allowing you to observe the engine running process. Pay attention to the movement of the pistons, crankshaft, and valve mechanism through the transparent engine block.
3. **Dynamic Features:** The model features richly detailed turbochargers and an exhaust system that contribute to the realistic appearance and function.

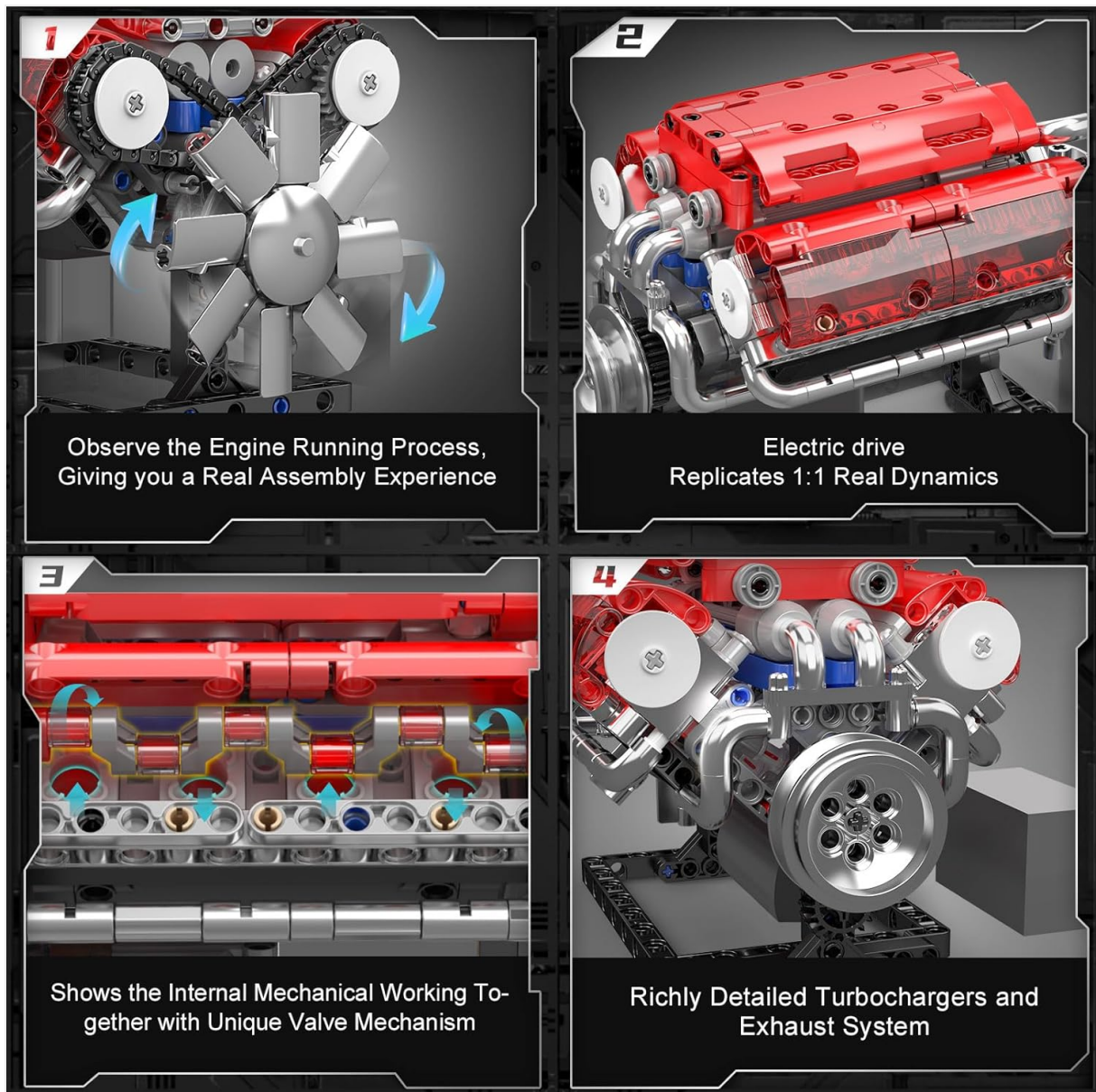


Image: Four panels illustrating key operational aspects: observing the engine running process, electric drive replicating real dynamics, internal mechanical working with valve mechanism, and detailed turbochargers and exhaust system.

## MAINTENANCE

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To ensure the longevity and optimal performance of your Mould King 10155 V8 Engine model, follow these simple maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the plastic.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Battery Care:** Remove batteries from the battery case if the model will not be used for an extended period to prevent leakage and damage.
- **Inspection:** Periodically check for any loose connections or damaged parts. Reassemble any loose blocks to maintain structural integrity.

## TROUBLESHOOTING

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If you encounter any issues with your Mould King 10155 V8 Engine model, refer to the following common problems and solutions:

- **Engine Does Not Start:**
  - Check if the power switch is in the ON position.
  - Ensure batteries are correctly installed in the battery case with correct polarity.
  - Replace old or depleted batteries with new ones.
  - Verify that the power supply module and battery case are securely connected to the engine model.
- **Engine Runs Slowly or Intermittently:**
  - Batteries may be low; replace them.
  - Check for any friction points or misaligned blocks that might be impeding movement. Ensure all gears and moving parts are correctly assembled.
- **Missing Pieces During Assembly:**
  - Double-check all packaging and sorting trays.
  - If pieces are genuinely missing, contact customer support (see Warranty and Support section).

## SPECIFICATIONS

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<b>Brand</b>	Mould King
<b>Model Name</b>	10155 V8 Engine
<b>Item Model Number</b>	WX10155
<b>UPC</b>	705736913951
<b>Number of Pieces</b>	552
<b>Material</b>	Plastic (ABS)
<b>Color</b>	Red

<b>Product Dimensions (L x W x H)</b>	34 x 4 x 22 cm (13.4 x 1.6 x 8.7 inches)
<b>Product Weight</b>	630 grams (1.39 lbs)
<b>Recommended Age</b>	8 years and up
<b>Educational Objective</b>	Creative Thinking, Mechanical Engineering
<b>Power Source</b>	Electric drive (Power module included, battery case requires 6 user-supplied non-rechargeable batteries)
<b>Special Feature</b>	Rechargeable power module capability (for the included power module), detailed mechanical movement
<b>Model Year</b>	2025

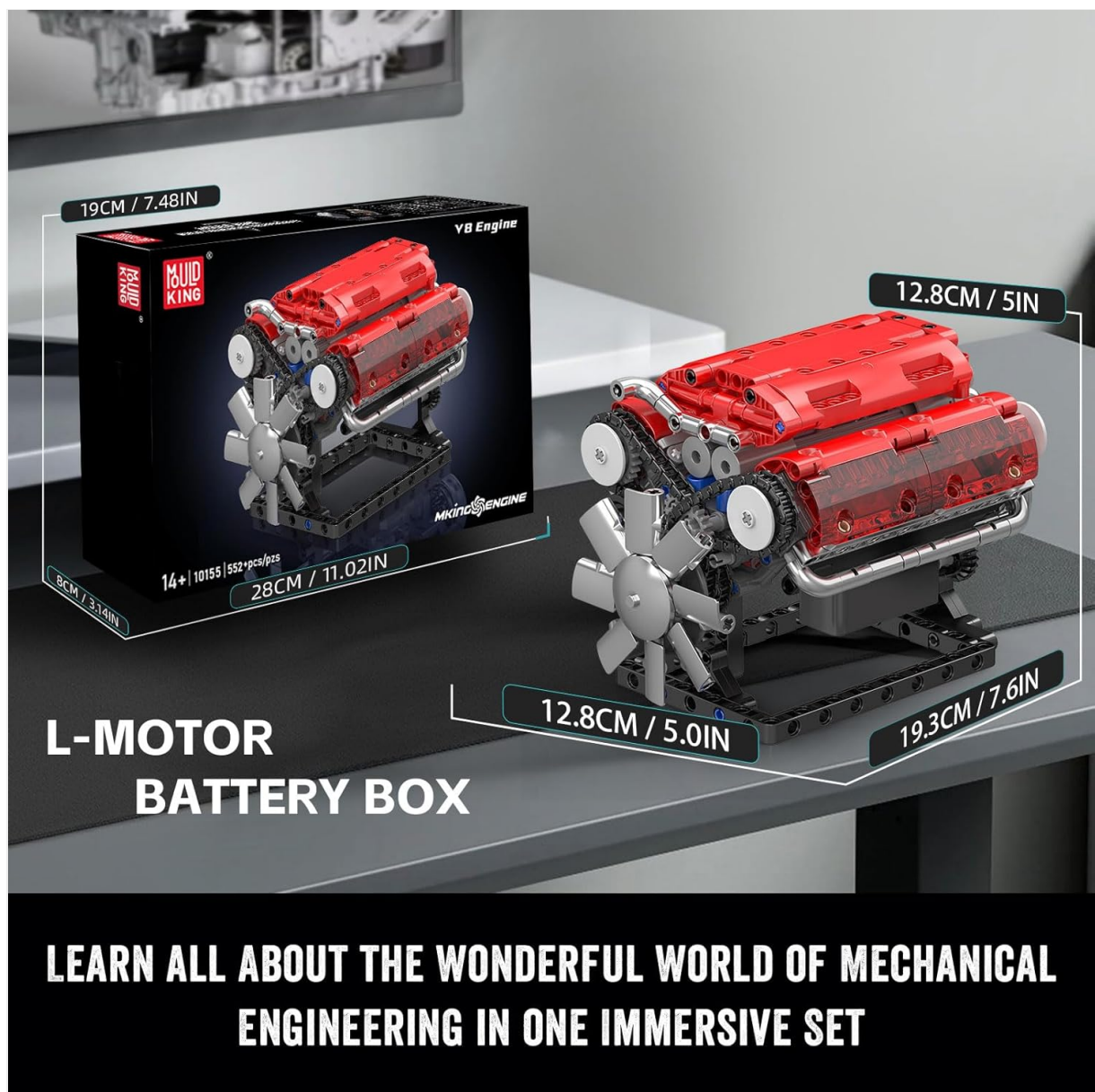


Image: Product packaging and assembled model showing key dimensions and the L-Motor Battery Box.

## WARRANTY AND SUPPORT

Mould King products are rigorously tested to ensure quality and customer satisfaction. If you encounter any

issues with your purchase, including missing parts or operational problems, please do not hesitate to contact us.

- **Customer Service:** For support, please refer to the contact information provided on the product packaging or the official Mould King website.
- **Warranty:** Information regarding product warranty can typically be found on the manufacturer's website or by contacting customer support directly. Please retain your proof of purchase for warranty claims.