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MOCBROPCS MK6002

MOCBROPCS STEM Building Car Instruction Manual

Model: MK6002 | Brand: MOCBROPCS

INTRODUCTION

This manual provides detailed instructions for assembling, operating, maintaining, and troubleshooting your MOCBROPCS STEM Building Car. This 1:14 scale building block set allows you to construct a high-fidelity technical super car, offering both a static display model and the option for remote control functionality with additional components (not included). Designed for ages 8-16 and adults, this set promotes STEM learning through hands-on construction.



Image: The MOCBROPCS STEM Building Car, a 1:14 scale model, displayed alongside its packaging box, showcasing its intricate design and vibrant colors.

SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small parts. Not for children under 3 years.

Always ensure all small parts are kept out of reach of young children to prevent choking. Adult supervision is recommended during assembly, especially for younger builders.

WHAT'S IN THE BOX

Your MOCBROPCS STEM Building Car set includes the following components:

- Building bags (containing 1314 pieces)
- Paper instruction manual
- Stickers for detailing



Image: Product packaging highlighting the item number MK6002, the total of 1314 building blocks, and the assembled car's dimensions.

SETUP AND ASSEMBLY

Follow the step-by-step instructions provided in the paper manual to assemble your STEM Building Car. The building process is designed to be engaging and educational.

Assembly Steps Overview:

1. **Unpack and Organize:** Open the box and sort the building pieces. The bags are numbered to guide you through the assembly stages.
2. **Chassis Construction:** Begin by building the main chassis of the car. Pay close attention to the connections to ensure a sturdy base.
3. **Steering and Drivetrain:** Assemble the steering wheel linkage and the gear mechanisms. Ensure all gears are smooth and properly aligned for optimal function.
4. **Bodywork and Detailing:** Attach the exterior panels, including the butterfly doors, hood, and rear wing. Apply the provided stickers for the final aesthetic touches.
5. **Wheel Installation:** Securely attach the wheels to the axles.



Image: An adult and child collaboratively assembling the MOCBROPCS STEM Building Car, demonstrating the hands-on building experience.



Image: Close-up views showcasing the intricate details of the assembled car, including the front, interior, and rear sections.

Assembly Demonstration Video:

Your browser does not support the video tag.

Video: An official demonstration by MOCBROPCS-US showing key steps in the assembly process of the building car, including sorting parts, chassis construction, and gear assembly.

OPERATING INSTRUCTIONS

Your MOCBROPCS STEM Building Car offers a versatile 2-in-1 multi-mode design:

- **Static Display Model:** Once assembled, the car serves as an exquisite static model, perfect for display. Its detailed design, including butterfly doors, hood, rear wing, simulated engine, and steering wheel linkage, makes it a true collectible.
- **Remote Control Car (Optional Modification):** The instruction manual also provides guidance on how to modify this static model into a movable remote control car. This requires additional components not included in this set: an L-motor, a servo-motor, a remote control, and a battery. These components are compatible with mainstream building toy power kits.

Refer to the specific sections in your paper instruction manual for detailed steps on converting your static model to a remote control version.



Image: The assembled MOCBROPCS STEM Building Car, highlighting its advanced design and 'Supercar Technology' features.

MAINTENANCE

To ensure the longevity and appearance of your MOCBROPCS STEM Building Car, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe away dust and debris from the model. Avoid using harsh chemicals or abrasive materials, as they may damage the plastic components or stickers.
- **Storage:** Store the assembled car in a cool, dry place away from direct sunlight to prevent discoloration or warping of the plastic.

- **Part Integrity:** Periodically check for any loose connections or parts. Re-secure any components that may have come loose during handling or display.

TROUBLESHOOTING

If you encounter any issues during assembly or operation, consider the following common solutions:

- **Missing Parts:** If you find any pieces missing during assembly, please refer to the 'Warranty and Support' section for assistance. Do not attempt to force incompatible pieces together.
- **Difficulty with Assembly:** Ensure you are following the instruction manual step-by-step. Some steps may require careful attention to detail. If a step is unclear, re-examine the diagrams.
- **Sticker Application:** If stickers are not adhering correctly or are miscut, contact customer support for potential replacements.
- **Remote Control Functionality (if applicable):** If your remote control module is not functioning as expected (e.g., controls are reversed), double-check all wiring connections as per the instruction manual. Incorrect wiring is a common cause for such issues.

SPECIFICATIONS

Feature	Detail
Product Dimensions (L x W x H)	14.17 x 6.69 x 3.93 inches (36 x 17 x 10 cm)
Item Weight	2.2 pounds
Model Number	MK6002
Number of Pieces	1314
Manufacturer Recommended Age	6 years and up (suitable for 8-16 year olds, teenagers, or adults)
Country of Origin	China
Material	Plastic Building Blocks



Image: A diagram illustrating the precise proportional dimensions (length, width, height) of the MOCBROPCS STEM Building Car.

WARRANTY AND SUPPORT

MOCBROPCS is committed to providing excellent customer service. If you encounter any issues or have questions regarding your STEM Building Car, please do not hesitate to contact us.

After-sale Service: If you lost any parts during the assembly process, please reach out to us. We will send you replacements for free and provide a satisfactory solution.

For support, please contact MOCBROPCS-US directly through the platform where you purchased the product or refer to the contact information provided in your product packaging.