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### RASTAR 97200

# RASTAR BMW M8 GTE RC Car Assembly Kit (Model 97200) Instruction Manual

Model: 97200

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## 1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your RASTAR BMW M8 GTE RC Car Assembly Kit. Please read this manual thoroughly before beginning assembly or operation to ensure correct usage and to maximize the lifespan of your product. This kit is designed to provide an engaging building experience and a functional remote-controlled vehicle.



Figure 1: Fully assembled RASTAR BMW M8 GTE RC Car.

## 2. PACKAGE CONTENTS

Before starting, verify that all components listed below are present in your package. If any parts are missing or damaged, please contact customer support.

- BMW M8 GTE Car Body Parts (various plastic sprues)
- Chassis Components (frame, axles, wheels, tires)
- Electronic Components (motor, receiver, battery box, wiring)
- Remote Controller
- Decal Sheet
- Assembly Screws and Fasteners
- Instruction Manual (this document)



Figure 2: Contents of the RASTAR BMW M8 GTE RC Car Assembly Kit.

### 3. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product:

- **Age Recommendation:** This product is suitable for ages 8 and above. Adult supervision is recommended for younger users.
- **Small Parts:** The kit contains small parts that may pose a choking hazard. Keep out of reach of small children.
- **Battery Safety:**
  - Use only recommended battery types (not included).
  - Do not mix old and new batteries, or different types of batteries.
  - Insert batteries with correct polarity (+/-).
  - Remove exhausted batteries promptly.
  - Do not recharge non-rechargeable batteries.
  - Remove rechargeable batteries from the toy before charging.
  - Charge rechargeable batteries only under adult supervision.
  - Do not short-circuit battery terminals.

- **Operating Environment:** Operate the RC car in open, clear areas, away from people, pets, and obstacles. Avoid operating near water or in wet conditions.
- **Electrical Components:** Do not attempt to modify or tamper with the electronic components.
- **Cleaning:** Use a dry cloth for cleaning. Do not immerse in water.

## 4. ASSEMBLY INSTRUCTIONS

Follow these steps carefully to assemble your RASTAR BMW M8 GTE RC Car. Refer to the included diagram for part identification.

### 4.1 Prepare Components

1. Unpack all parts from the box and lay them out on a clean, flat surface.
2. Identify the main chassis, body panels, wheels, and electronic components.
3. Carefully detach plastic parts from their sprues using a hobby knife or clippers (not included). Smooth any rough edges.



Figure 3: Exploded view of car components for assembly.



Figure 4: Preparing small parts for assembly.

## 4.2 Chassis Assembly

1. Attach the motor and gear assembly to the main chassis according to the diagrams.
2. Install the front and rear axle assemblies. Ensure wheels spin freely.
3. Secure the battery box to the chassis.
4. Connect the wiring from the motor and battery box to the receiver unit. Ensure all connections are firm.



Figure 5: Chassis with electronic components installed.

## 4.3 Body Panel Installation

1. Carefully attach the interior cockpit and roll cage components to the chassis.
2. Mount the main body shell onto the chassis, aligning all tabs and screw holes.
3. Secure the body with the provided screws.
4. Attach the spoiler, side mirrors, and other exterior details.



Figure 6: Body panel installation overview.



Figure 7: Attaching small details to the car body.

#### 4.4 Decal Application

1. Refer to the decal placement guide provided in the kit.
2. Carefully peel off each decal and apply it to the corresponding location on the car body.
3. Smooth out any air bubbles with a soft cloth.

### 5. OPERATING INSTRUCTIONS

#### 5.1 Battery Installation

1. **Car:** Open the battery compartment on the underside of the car. Insert the required batteries (e.g., AA, not included) observing correct polarity. Close the compartment securely.
2. **Remote Controller:** Open the battery compartment on the back of the remote controller. Insert the required batteries (e.g., AA, not included) observing correct polarity. Close the compartment securely.

#### 5.2 Pairing the Remote Controller

Most RASTAR RC cars automatically pair with their remote controllers upon first power-up. If pairing is required:

1. Ensure both the car and the remote controller have fresh batteries installed.
2. Turn on the car's power switch.
3. Turn on the remote controller's power switch.
4. The indicator light on the remote should stop flashing and remain solid, indicating a successful connection.

#### 5.3 Driving the RC Car

- **Forward/Backward:** Use the throttle trigger/lever on the remote controller to move the car forward or backward.
- **Steering:** Use the steering wheel/buttons on the remote controller to turn the car left or right.
- **Range:** Operate the car within the specified control range (typically 20-30 meters) for optimal performance.
- **Surface:** Best performance is achieved on smooth, flat surfaces. Avoid rough terrain, sand, or water.



Figure 8: RASTAR BMW M8 GTE RC car and its remote controller.

## 6. MAINTENANCE

Proper maintenance will extend the life and performance of your RC car.

- **Cleaning:** After each use, gently wipe the car body and chassis with a soft, dry cloth to remove dust and debris. Do not use water or chemical cleaners.
- **Battery Storage:** Always remove batteries from both the car and the remote controller when not in use for extended periods. Store batteries in a cool, dry place.
- **Inspection:** Periodically check for loose screws, damaged parts, or worn tires. Replace any damaged components as needed.
- **Storage:** Store the assembled car in a clean, dry environment, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

If you encounter issues with your RC car, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Car does not move.	<ul style="list-style-type: none"> <li>Batteries are dead or incorrectly installed.</li> <li>Car or remote power switch is off.</li> <li>Car and remote are not paired.</li> </ul>	<ul style="list-style-type: none"> <li>Replace batteries with fresh ones, ensuring correct polarity.</li> <li>Turn on both power switches.</li> <li>Refer to Section 5.2 for pairing instructions.</li> </ul>
Car moves slowly or erratically.	<ul style="list-style-type: none"> <li>Low battery power.</li> <li>Interference from other RC devices.</li> <li>Operating out of range.</li> </ul>	<ul style="list-style-type: none"> <li>Replace batteries.</li> <li>Move to an area with less interference.</li> <li>Operate closer to the car.</li> </ul>
Steering is unresponsive.	<ul style="list-style-type: none"> <li>Steering mechanism is jammed.</li> <li>Low battery power.</li> </ul>	<ul style="list-style-type: none"> <li>Check for obstructions in the steering linkage.</li> <li>Replace batteries.</li> </ul>

## 8. SPECIFICATIONS

Feature	Detail
Model Number	97200
Product Dimensions	11.1 x 4.9 x 2.8 inches (28.19 x 12.45 x 7.11 cm)
Item Weight	2.51 pounds (1.14 kg)
Scale	1:18
Number of Pieces	74
Recommended Age	8+ years
Power Source (Car)	Batteries (not included)
Power Source (Remote)	Batteries (not included)

## 9. WARRANTY AND SUPPORT

RASTAR products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the contact details provided on the product packaging or visit the official RASTAR website. Keep your purchase receipt as proof of purchase.

If you have missing parts or require assistance, please contact RASTAR customer service.