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TAMIYA 19444

Tamiya Fullcowl Mini 4WD Series No. 44 Beat Magnum Premium AR Chassis 19444 User Manual

Model: 19444 | Brand: TAMIYA

1. Introduction

This manual provides detailed instructions for the assembly, setup, operation, and maintenance of your Tamiya Fullcowl Mini 4WD Series No. 44 Beat Magnum Premium AR Chassis model kit. This is a 1/32 scale snap-fit model that requires assembly. Please read all instructions carefully before beginning assembly.



Image 1.1: Assembled Tamiya Beat Magnum Premium AR Chassis model. This image displays the completed model with its distinctive blue, white, and red body, green wheels, and 'Beat Magnum' decals.

2. Safety Information

- **Age Recommendation:** This product is recommended for individuals 14 years of age and older (Manufacturer Minimum Age: 168 months). Adult supervision is advised for younger users.
- **Small Parts:** This kit contains small parts which may pose a choking hazard. Keep out of reach of small children.
- **Battery Safety:** The model requires two R6/AA/UM3 batteries (not included). For your safety, never use other manufacturer's Ni-MH batteries. Please use Tamiya's R6/AA/UM3 battery products. Ensure correct polarity when installing batteries. Do not mix old and new batteries, or different types of batteries. Remove batteries when the model is not in use for extended periods.
- **Sharp Tools:** Assembly may require the use of sharp tools such as side cutters and modeling knives. Exercise caution to prevent injury.

3. Package Contents

Verify that all components are present before beginning assembly. The package typically includes:

- Beat Magnum Premium body parts (ABS Resin, white)
- AR Chassis parts (Metallic Gray/Blue, monocoque structure)
- Type 130 motor
- Large diameter slick tires (black)
- Large diameter wheels (fluorescent green)
- Gears (4:1 ratio)
- Rollers, skid bar, and other chassis accessories
- Sticker sheet for decals
- Assembly instructions (diagrams)

Note: Batteries are not included and must be purchased separately.



Image 3.1: Product packaging for the Tamiya Beat Magnum Premium AR Chassis. The box displays the assembled model and highlights key features

like 'Snap Together Assembly' and 'No Glue Required'.

4. Assembly Instructions

The Tamiya Beat Magnum Premium AR Chassis is designed for snap-together assembly, requiring no glue. Follow the detailed diagrams provided in the included assembly manual for step-by-step guidance.

Recommended Tools:

- Side Cutters: For cleanly detaching parts from the plastic runners.
- Modeling Knife: For trimming excess plastic or refining parts.
- Screwdriver: For securing certain components.
- Tweezers: For handling small parts and applying stickers.

General Assembly Steps:

1. **Chassis Assembly:** Begin by assembling the AR Chassis components, including the front and rear bumpers, skid bar, and roller stays.
2. **Motor and Gear Installation:** Install the Type 130 motor and the specified gear set (4:1 ratio) into the chassis. Ensure gears mesh smoothly.
3. **Wheel and Tire Attachment:** Attach the large diameter fluorescent green wheels to the axles, then mount the black slick tires onto the wheels.
4. **Body Assembly:** Assemble the Beat Magnum Premium body parts.
5. **Decal Application:** Carefully apply the included stickers to the body according to the reference images for the final aesthetic.
6. **Final Checks:** Ensure all parts are securely attached and moving components operate freely.



Image 4.1: Exploded view of the AR Chassis components. This diagram illustrates the chassis bottom view, top view, and various parts such as the motor, diffuser, under panel, wheels, and rollers, indicating their positions for assembly.



Image 4.2: Back of the product box detailing battery requirements and recommended assembly tools. It specifies the need for two R6/AA/UM3 batteries and lists side cutters, a modeling knife, a screwdriver, and tweezers as helpful tools.

5. Setup

Once assembly is complete, perform the following steps to prepare your Mini 4WD for operation:

1. **Battery Installation:** Open the battery compartment on the underside of the chassis. Insert two R6/AA/UM3 batteries, ensuring correct polarity (+/-). Close the compartment securely.
2. **Motor Check:** Verify that the motor is firmly seated and its terminals make proper contact with the battery contacts.
3. **Gear Check:** Manually rotate the wheels to ensure the gears turn freely without binding.

6. Operating

The Tamiya Mini 4WD Beat Magnum Premium is designed for racing on dedicated Mini 4WD tracks. It is not a remote-controlled vehicle; once activated, it runs autonomously.

1. **Power On:** Locate the power switch on the chassis (usually a sliding switch). Move it to the 'ON' position.
2. **Placement:** Carefully place the Mini 4WD onto a Mini 4WD track.
3. **Operation:** The car will begin to move forward, guided by the track's side walls and rollers.
4. **Power Off:** To stop the car, pick it up and move the power switch to the 'OFF' position.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your Mini 4WD model.

- **Cleaning:** After use, gently clean the chassis, wheels, and body to remove dust and debris. A soft brush or cloth is recommended. Avoid using harsh chemicals.
- **Gear Inspection:** Periodically check the gears for wear or damage. Replace worn gears to maintain smooth power transmission.
- **Motor Care:** Ensure the motor is free of dust. If performance degrades, consider replacing the motor.
- **Battery Compartment:** Keep the battery compartment clean and dry. Check battery contacts for corrosion.
- **Roller and Wheel Check:** Ensure rollers spin freely and wheels are securely attached and rotate without excessive friction.

8. Troubleshooting

Problem	Possible Cause	Solution
Car does not move.	Batteries are dead or incorrectly installed. Power switch is off. Motor not connected. Gears jammed.	Replace batteries, check polarity. Turn power switch ON. Ensure motor is properly seated. Check for debris in gears.
Car runs slowly.	Weak batteries. Worn motor. Excessive friction in drivetrain.	Replace batteries. Replace motor. Lubricate gears (if applicable) or check for binding.
Car derails frequently.	Rollers are not spinning freely. Chassis balance issues. Track condition.	Clean and ensure rollers spin freely. Check for bent axles or uneven weight distribution. Inspect track for damage.

9. Specifications

- **Model Name:** Beat Magnum Premium
- **Model Number:** 19444
- **Brand:** TAMIYA
- **Scale:** 1/32

- **Chassis Type:** AR Chassis (Monocoque)
- **Gear Ratio:** 4:1
- **Motor:** Type 130 (included)
- **Power Source:** 2 x R6/AA/UM3 batteries (not included)
- **Material:** Acrylonitrile Butadiene Styrene (ABS), Resin
- **Dimensions (assembled):** Approximately 6.1 x 3.82 x 1.85 inches (15.5 x 9.7 x 4.7 cm)
- **Weight (unassembled):** Approximately 0.03 Pounds (13.6 grams)
- **Assembly:** Required (snap-fit, no glue)
- **Recommended Age:** 14+ years
- **GTIN (UPC):** 04950344194445

10. Warranty Information

Specific warranty details for this Tamiya product are not provided in this manual. Please refer to the product packaging or contact Tamiya customer support for information regarding warranty coverage and terms.

11. Customer Support

For further assistance, technical support, or inquiries regarding replacement parts, please contact Tamiya directly or visit their official website:

- **Tamiya Official Website:** www.tamiya.com
- Refer to the contact information provided on the product packaging for your regional Tamiya distributor or customer service.

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