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› Tamiya /

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Tamiya 95463

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Model Number: 95463

1. INTRODUCTION

This instruction manual provides essential information for the assembly, operation, and maintenance of your Tamiya Mini 4WD Thunder Shot Mk.2 Clear Special plastic model kit. Please read this manual thoroughly before beginning assembly to ensure correct construction and optimal performance. This kit is designed for enthusiasts aged 10 years and older.

2. PRODUCT OVERVIEW

The Tamiya Mini 4WD Thunder Shot Mk.2 Clear Special is a high-performance 4-wheel drive racer model kit. This special version features a lightweight polycarbonate body, which contributes to both reduced weight and a lower center of gravity, enhancing racing stability and speed. The chassis is a 3-part MS chassis made of durable black ABS resin, consisting of the N-02, lightweight center chassis, and T-01 components. It is equipped with silver large-diameter narrow wheels and black barrel tires, which feature white letter pad printing on the sidewalls for a distinctive appearance. A hollow lightweight shaft and a double shaft motor are included, providing a competitive edge.



This image displays the Tamiya Mini 4WD Thunder Shot Mk.2 Clear Special model, fully assembled and painted. The total length of the model is 152 mm. It features a clear polycarbonate body, a black MS chassis, silver large-diameter narrow wheels, and black barrel tires with white lettering on the sidewalls.

3. PARTS LIST

Before starting assembly, verify that all parts are present. Refer to the included parts diagram for detailed identification.

- Polycarbonate Body (Clear)
- MS Chassis Components (N-02, Lightweight Center Chassis, T-01 - Black ABS Resin)
- Double Shaft Motor
- Large-Diameter Narrow Wheels (Silver)
- Barrel Tires (Black with White Lettering)
- Clear Seal Type Stickers
- Hollow Lightweight Shaft
- Gear Set
- Axles and Bearings
- Screws, Nuts, and Washers
- Other small assembly components

Note: Adhesives, tools (e.g., nippers, screwdrivers), and paints are not included and must be purchased separately.

4. ASSEMBLY INSTRUCTIONS

Follow the step-by-step instructions provided in the kit's dedicated assembly manual. The general assembly process involves:

1. **Preparation:** Carefully cut all plastic parts from their runners using nippers. Smooth any rough edges with a hobby knife or file.
2. **Chassis Assembly:** Assemble the three parts of the MS chassis (N-02, center, T-01) according to the diagrams. Install the double shaft motor and gears.

3. **Wheel and Tire Installation:** Attach the silver large-diameter narrow wheels to the hollow lightweight shafts. Mount the black barrel tires onto the wheels.
4. **Body Preparation:** If desired, paint the polycarbonate body before applying stickers. Ensure the body is clean and dry.
5. **Sticker Application:** Apply the clear seal type stickers to the body as indicated in the manual.
6. **Final Assembly:** Secure the prepared body onto the assembled chassis. Ensure all parts are firmly attached and move freely where intended.

Important: Pay close attention to the orientation of gears and shafts to ensure smooth operation. Do not overtighten screws.

5. OPERATING INSTRUCTIONS

Once your Mini 4WD model is fully assembled:

1. **Battery Installation:** Open the battery compartment (usually located on the underside of the chassis). Insert two AA batteries (sold separately) according to the polarity markings.
2. **Power On:** Locate the power switch on the chassis and slide it to the 'ON' position. The motor should begin to run.
3. **Placement:** Place the Mini 4WD on a flat surface or, ideally, a Mini 4WD race track.
4. **Operation:** The Mini 4WD will move forward. There are no remote controls; it is designed to run autonomously on a track.
5. **Power Off:** When finished, slide the power switch to the 'OFF' position and remove the batteries if storing for an extended period.

6. MAINTENANCE

Regular maintenance ensures the longevity and performance of your Mini 4WD model:

- **Cleaning:** After use, especially on dusty tracks, clean the chassis, wheels, and gears to remove any debris. Use a soft brush or compressed air.
- **Lubrication:** Apply a small amount of plastic-safe grease or oil to the gear teeth and shaft bearings periodically to reduce friction and wear.
- **Inspection:** Regularly check for loose screws, worn tires, or damaged parts. Replace any damaged components promptly.
- **Battery Care:** Always remove batteries when the model is not in use to prevent leakage and corrosion.

7. TROUBLESHOOTING

If your Mini 4WD is not performing as expected, consider the following:

Problem	Possible Cause	Solution
Car does not move	Batteries incorrectly installed or depleted; Power switch off; Motor not connected; Gears jammed.	Check battery polarity and charge; Turn power switch ON; Ensure motor wires are secure; Clear any debris from gears.
Poor performance/slow speed	Worn gears; Dirty bearings; Insufficient lubrication; Damaged motor.	Inspect and replace worn gears; Clean and lubricate bearings; Apply lubricant to moving parts; Replace motor if damaged.
Car veers off track	Uneven tire wear; Bent axle; Chassis imbalance.	Check and replace tires; Inspect and straighten/replace axles; Ensure chassis components are assembled correctly.

8. SPECIFICATIONS

Feature	Detail
Brand	Tamiya
Model Number	95463-000
Product Type	Mini 4WD Plastic Model Kit
Scale	1:32 Scale
Color	Clear (Body)
Material Type	Plastic (ABS Resin, Polycarbonate)
Product Body Size	15.2 x 9.2 x 4 cm (approx.)
Power Source	Battery operated
Batteries Required	Yes (2 x AA, not included)
Assembly Required	Yes
Manufacturer Recommended Minimum Age	10 years

9. SAFETY INFORMATION

- **Small Parts:** This kit contains small parts that may pose a choking hazard. Keep out of reach of young children.
- **Tools:** Assembly requires the use of hobby tools such as nippers and hobby knives. Exercise caution and supervise children during use.
- **Adhesives/Paints:** If using adhesives or paints, ensure adequate ventilation and follow the manufacturer's safety instructions.
- **Batteries:** Do not mix old and new batteries, or different types of batteries. Insert batteries with correct polarity. Remove batteries when not in use.
- **Intended Use:** This product is a model kit for hobby use. Do not modify or use for purposes other than its intended design.

10. WARRANTY AND SUPPORT

This product is a plastic model kit. Tamiya products are manufactured to high standards, but individual components may occasionally have manufacturing defects. For issues related to missing or defective parts, please contact Tamiya customer support directly. Specific warranty details may vary by region. Please retain your proof of purchase.

For further assistance, please visit the official Tamiya website or contact their customer service department.