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› Tamiya Fullcowl Mini 4WD Series No.40 Cyclone Magnum Premium AR Chassis 19440 Instruction Manual

TAMIYA 19440

Tamiya Fullcowl Mini 4WD Series No.40 Cyclone Magnum Premium AR Chassis 19440 Instruction Manual

Model: 19440

INTRODUCTION

This manual provides essential instructions for the assembly, operation, and maintenance of your Tamiya Fullcowl Mini 4WD Series No.40 Cyclone Magnum Premium AR Chassis. This product is an assembly kit designed for enthusiasts to build their own racing car. Please read all instructions carefully before beginning assembly.

SAFETY INFORMATION

- **Adult Supervision:** This kit contains small parts and is recommended for ages 10 and up. Adult supervision is advised during assembly, especially for younger users.
- **Sharp Tools:** Assembly may require the use of hobby knives or other sharp tools. Handle with care to prevent injury.
- **Battery Safety:** Use only the specified battery type (Lithium-Ion, not included). Do not mix old and new batteries. Insert batteries with correct polarity. Remove batteries when not in use for extended periods.
- **Choking Hazard:** Keep small parts out of reach of young children to avoid choking hazards.
- **Indoor Use:** This model is designed for indoor use. Avoid operating in wet conditions or dusty environments.

WHAT'S IN THE BOX

Your Tamiya Cyclone Magnum Premium AR Chassis kit includes the following components:

- AR Chassis parts
- Body shell (Cyclone Magnum)
- Motor
- Fluorescent green 5-spoke wheels
- 26mm low-profile tires
- Gear set
- Shafts and bearings

- Roller set
- Sticker sheet
- Assembly instruction booklet (separate from this manual)

SETUP (ASSEMBLY)

The Tamiya Cyclone Magnum Premium AR Chassis is an assembly kit. Detailed, step-by-step instructions are provided in the separate instruction booklet included in your kit. Please refer to that booklet for precise assembly steps and diagrams. The general assembly process involves:

1. **Chassis Assembly:** Begin by assembling the AR chassis components, including the main frame, battery holder, and motor mount.
2. **Motor Installation:** Install the included motor into the chassis. Ensure proper connection to the battery terminals.
3. **Gearbox Assembly:** Assemble the gearbox, ensuring all gears are correctly aligned and lubricated as per the kit instructions.
4. **Wheel and Tire Installation:** Attach the fluorescent green 5-spoke wheels and 26mm low-profile tires to the axles. Ensure they spin freely.
5. **Roller and Bumper Installation:** Install the front and rear rollers and bumpers. These are crucial for track performance.
6. **Body Shell Preparation:** Apply the provided stickers to the Cyclone Magnum body shell according to the design.
7. **Body Shell Attachment:** Secure the prepared body shell onto the chassis.
8. **Battery Installation:** Insert two AA Lithium-Ion batteries (not included) into the battery compartment, observing correct polarity.

Tools Required: A small Phillips head screwdriver, side cutters or hobby knife for part removal, and possibly tweezers for sticker application are recommended for assembly.



Image: Fully assembled Tamiya Cyclone Magnum Premium AR Chassis. This image shows the complete model with its distinctive white

and blue body, featuring red and yellow accents, and fluorescent green wheels. The car is viewed from a slight angle, showcasing its aerodynamic design.



全長=155 mm 写真はキットを組み立て、塗装したものです

Image: An alternative perspective of the assembled Tamiya Cyclone Magnum Premium AR Chassis. This view highlights the overall form and sticker details of the racing car.



Image: Detailed close-up of the front section of the Cyclone Magnum. This image focuses on the front bumper, rollers, and the intricate

decal work on the front fenders, emphasizing the car's aggressive styling.



Image: Detailed close-up of the rear section of the Cyclone Magnum. This view highlights the rear wing, rollers, and the 'CYCLONE MAGNUM' lettering on the wing, showcasing the car's rear aerodynamic features.

OPERATING INSTRUCTIONS

The Tamiya Mini 4WD Cyclone Magnum is a manual operation model. It does not feature remote control capabilities.

1. **Power On:** Once batteries are correctly installed, slide the power switch (usually located on the underside or side of the chassis) to the 'ON' position. The motor will start, and the wheels will begin to spin.
2. **Placement:** Place the Mini 4WD car on a flat, smooth surface or a designated Mini 4WD track.
3. **Operation:** The car will move forward. Its direction and stability are influenced by the track design and any modifications made to the car.
4. **Power Off:** To stop the car, slide the power switch to the 'OFF' position.

Important: This model is intended for indoor use. Operating it outdoors may expose it to dirt, moisture, or uneven surfaces that can damage the components or hinder performance.

MAINTENANCE

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

- **Cleaning:** After each use, gently wipe down the chassis and body with a soft, dry cloth to remove dust and debris. Avoid using water or chemical cleaners.
- **Gear Inspection:** Periodically check the gears for wear or damage. Ensure they are free of debris and lightly lubricated with Tamiya-recommended grease.
- **Wheel and Axle Check:** Ensure wheels spin freely and are securely attached. Check axles for any bending or damage.
- **Motor Care:** Keep the motor free of dust. If performance degrades, consider replacing the motor.
- **Battery Compartment:** Keep the battery compartment clean and dry. Remove batteries if the car will not be used for an extended period to prevent leakage.

- **Screw Tightness:** Occasionally check that all screws are tightened appropriately. Do not overtighten.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not move	• Batteries are dead or incorrectly inserted. • Power switch is off. • Motor not properly connected or damaged. • Gears are jammed or damaged.	• Replace batteries or ensure correct polarity. • Turn power switch to 'ON'. • Check motor connections; replace motor if necessary. • Inspect gears for debris or damage; clean or replace.
Car moves slowly	• Low battery power. • Friction in drivetrain (gears, axles). • Motor wear.	• Replace batteries. • Clean and lubricate gears and axles. • Replace motor.
Car veers off course	• Bent axle. • Uneven tire wear. • Damaged rollers.	• Inspect and replace bent axles. • Replace worn tires. • Check and replace damaged rollers.

SPECIFICATIONS

Feature	Detail
Brand Name	TAMIYA
Model Name	Cyclone Magnum
Model Number	19440
Set Name	Fullcowl Mini 4WD Series No.40
Scale	1:32 Scale
Material Type	Acrylonitrile Butadiene Styrene (ABS), Plastic
Power Source	Battery Powered
Battery Description	Lithium-Ion (AA size, not included)
Are Batteries Required	Yes
Is Assembly Required	Yes
Operation Mode	Manual
Indoor Outdoor Usage	Indoor
Item Weight	0.2 Kilograms

Feature	Detail
Item Dimensions (L x W x H)	15.5 cm x 9.7 cm x 4 cm (approximate assembled size)
Included Components	Motor, Fluorescent green 5-spoke wheels, 26mm low-profile tires
Educational Objective	Develop practical skills through assembly and foster interest in related cultural content

WARRANTY INFORMATION

Tamiya products are manufactured to high-quality standards. For specific warranty details regarding manufacturing defects, please refer to the warranty information provided in the original product packaging or contact Tamiya customer support directly. This warranty typically covers defects in materials and workmanship under normal use.

CUSTOMER SUPPORT

If you encounter any issues during assembly or operation, or if you have questions about your Tamiya Fullcowl Mini 4WD Series No.40 Cyclone Magnum Premium AR Chassis, please refer to the detailed assembly manual included in your kit first. For further assistance, you may contact Tamiya customer support through their official website or the contact information provided in your product packaging.

Online Resources: Visit the official Tamiya website for FAQs, additional tips, and product information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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