

TAMIYA 18069-000

Tamiya 1/32 Scale Racing Mini 4WD 69 Series Dash-1 Emperor Premium Super II Chassis Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the assembly, operation, and maintenance of your Tamiya 1/32 Scale Racing Mini 4WD 69 Series Dash-1 Emperor Premium Super II Chassis model kit. This kit is designed for enthusiasts who enjoy building and racing high-performance four-wheel drive miniature vehicles. The Dash-1 Emperor Premium features a robust Super II Chassis, engineered for high drive efficiency and speed.

Key features of this model include:

- A plastic model assembly kit for a four-wheel drive racer.
- Designed for high-performance driving and fun racing.
- Equipped with a double-shaft motor with extended shafts at both ends.
- Achieves high drive efficiency through its central motor placement.
- The MS chassis consists of 3 parts (nose, center, and tail) for easy assembly and customization.

2. SAFETY INFORMATION

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

- Recommended age for assembly and use is 12 years and up. Adult supervision is recommended for younger users.
- Always read and understand all instructions before beginning assembly.
- Keep small parts and tools out of reach of young children.
- Use appropriate tools safely. Be careful when cutting plastic parts with hobby knives or nippers.
- Dispose of waste materials properly.
- Do not ingest any parts or materials from the kit.

3. PACKAGE CONTENTS

Before starting assembly, verify that all components are present in the kit. The kit typically includes:

- Plastic parts for the body and chassis.
- Base Motor (double-shaft motor).
- Wheels and tires.
- Gears and shafts.
- Stickers and decals.
- Screws and other small metal parts.
- Instruction sheet (this manual).

Note: Batteries (2 AA batteries) are required for operation and are not included in the kit.

4. ASSEMBLY INSTRUCTIONS

Follow the detailed diagrams and step-by-step instructions provided in the included instruction sheet for precise assembly. The general assembly process involves:

4.1 Chassis Assembly

1. **Prepare the MS Chassis:** The MS chassis is composed of three main parts: nose, center, and tail. Carefully detach these parts from the plastic runners using nippers. Smooth any rough edges with a hobby knife or sandpaper.
2. **Install the Motor:** The double-shaft motor is designed to be mounted in the center section of the chassis. Ensure the motor is securely seated with its extended shafts protruding from both ends.
3. **Attach Gears:** Install the appropriate gears onto the motor shafts and axle shafts as indicated in the diagrams. Ensure they mesh correctly for smooth power transmission.
4. **Assemble Axles and Wheels:** Insert the metal axles through the chassis and attach the wheels and tires. Ensure wheels spin freely.
5. **Connect Chassis Sections:** Join the nose, center, and tail sections of the MS chassis. These parts are designed for single-touch attachment and detachment, allowing for speedy setting changes.

4.2 Body Assembly

1. **Prepare Body Parts:** Detach the body parts, including the advanced canopy, overhanging side pontoon, and large air intake, from the runners.
2. **Apply Decals:** Carefully apply the included stickers and decals to the body parts according to the reference images. This will give your Dash-1 Emperor its distinctive look.
3. **Attach Body to Chassis:** Secure the assembled body onto the chassis. Ensure it is firmly attached but can be removed for maintenance.



Figure 1: An assembled Tamiya 1/32 Scale Racing Mini 4WD Dash-1 Emperor Premium Super II Chassis. The model has a total length of 150 mm. This image shows the kit after assembly and painting, highlighting its distinctive white, blue, orange, and red livery with 'DASH-1 EMPEROR' text and the number '496' on the front.

5. OPERATING INSTRUCTIONS

1. **Insert Batteries:** Open the battery compartment (usually located on the underside of the chassis) and insert two AA batteries, ensuring correct polarity. Close the compartment securely.
2. **Power On:** Locate the power switch (typically on the side or top of the chassis) and slide it to the 'ON' position. The motor should start running, and the wheels will spin.
3. **Place on Track:** Carefully place your Mini 4WD on a designated Mini 4WD racing track. The car is designed to run autonomously within the track's guide rails.
4. **Observe and Enjoy:** Watch your Mini 4WD race. Do not attempt to manually steer or interfere with the car while it is in motion on the track.
5. **Power Off:** After use, slide the power switch to the 'OFF' position and remove the batteries if the car will not be used for an extended period.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Mini 4WD.

- **Cleaning:** After each use, gently clean the chassis, wheels, and gears to remove dust, dirt, and debris. Use a soft brush or compressed air. Avoid using harsh chemicals.
- **Gear Inspection:** Periodically check the gears for wear or damage. Replace any worn gears to maintain optimal drive efficiency.
- **Battery Care:** Always remove batteries when the Mini 4WD is not in use to prevent leakage and corrosion. Use fresh, high-quality AA batteries for best performance.
- **Lubrication:** Apply a small amount of Tamiya-recommended grease to moving parts like gears and bearings to reduce friction and wear.
- **Storage:** Store the Mini 4WD in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your Mini 4WD, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Car does not move.	<ul style="list-style-type: none">• Batteries are dead or incorrectly inserted.• Power switch is off.• Motor or gears are jammed.• Loose wiring connection.	<ul style="list-style-type: none">• Replace batteries or check polarity.• Turn power switch to 'ON'.• Inspect motor and gears for obstructions; clean if necessary.• Check motor connections.
Car runs slowly or inconsistently.	<ul style="list-style-type: none">• Low battery power.• Dirt or debris in gears/bearings.• Gears are worn or misaligned.• Excessive friction.	<ul style="list-style-type: none">• Replace batteries.• Clean gears and bearings.• Inspect and replace worn gears; ensure proper alignment.• Apply lubricant to moving parts.
Car derails frequently.	<ul style="list-style-type: none">• Rollers are damaged or missing.• Chassis is bent or damaged.• Wheels are loose or misaligned.	<ul style="list-style-type: none">• Check and replace rollers.• Inspect chassis for damage; replace if necessary.• Ensure wheels are securely attached and aligned.

8. SPECIFICATIONS

Specification	Detail
Product Dimensions	2.36 x 9.06 x 5.51 inches
Item Weight	6.3 ounces
ASIN	B086CFGY15
Item Model Number	18069-000
Manufacturer Recommended Age	12 years and up
Batteries Required	2 AA batteries (not included)
Release Date	October 18, 2022
Manufacturer	Tamiya

9. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available data. For details regarding warranty coverage, technical support, or replacement parts, please contact Tamiya customer service directly or refer to the official Tamiya website.