

[Manuals.plus](#) /

› [TAMIYA](#) /

› TAMIYA 54590 M-Chassis Inner Sponge Super Hard (4) Instruction Manual

TAMIYA 54590

TAMIYA 54590 M-Chassis Inner Sponge Super Hard (4) Instruction Manual

Brand: TAMIYA | Model: 54590

1. PRODUCT OVERVIEW

The TAMIYA 54590 M-Chassis Inner Sponge Super Hard (4) is a specialized component designed for remote-controlled (RC) vehicles. This package includes four super hard inner sponges, intended for use within M-Chassis tires to provide internal support, enhance tire performance, and improve handling characteristics during operation.



An image showing the TAMIYA 54590 M-Chassis Inner Sponge Super Hard (4). The package contains four black, super hard inner sponges designed for M-Chassis tires, providing internal support and enhancing tire performance.

2. SETUP AND INSTALLATION

Proper installation of the inner sponges is crucial for optimal performance. Follow these steps to install the TAMIYA 54590 M-Chassis Inner Sponges into your RC vehicle's tires:

1. **Prepare the Tire and Wheel:** Ensure your M-Chassis tires and wheels are clean and free of debris.
2. **Insert the Sponge:** Carefully insert one super hard inner sponge into each tire. The sponge should fit snugly within the tire casing. Ensure it is not twisted or folded.
3. **Mount the Tire:** Mount the tire, with the inner sponge inside, onto the appropriate M-Chassis wheel.
4. **Secure the Tire:** Secure the tire to the wheel using the recommended method for your specific tire and wheel combination (e.g., gluing the bead, using beadlock rings).
5. **Repeat for all Tires:** Repeat the process for all four tires to ensure consistent performance across the vehicle.

Note: For best results, ensure the inner sponge is centered and fully expanded within the tire before mounting.

3. OPERATING PRINCIPLES

The super hard inner sponges provide critical support to the tire's structure, preventing excessive deformation during cornering and acceleration. This results in:

- **Improved Cornering Stability:** The firm support helps maintain the tire's shape, leading to more consistent contact patch and better grip through turns.
- **Enhanced Responsiveness:** Reduced tire flex translates to a more direct and responsive feel from the vehicle's steering inputs.
- **Consistent Performance:** The super hard density ensures reliable performance, especially in high-speed or high-grip conditions.

These sponges are designed for performance applications where precise handling and tire stability are paramount.

4. MAINTENANCE

To ensure the longevity and continued performance of your TAMIYA M-Chassis Inner Sponges, consider the following maintenance tips:

- **Regular Inspection:** Periodically remove tires from wheels and inspect the inner sponges for signs of wear, tearing, or compression. Replace if significant damage or degradation is observed.
- **Cleaning:** If the sponges become dirty, gently clean them with a mild soap and water solution. Rinse thoroughly and allow them to air dry completely before reinstallation. Avoid harsh chemicals or solvents.
- **Storage:** Store spare sponges in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.

5. TROUBLESHOOTING

While inner sponges are generally straightforward components, some issues may arise:

- **Reduced Tire Performance:** If your vehicle's handling feels inconsistent or tires seem to deform excessively, inspect the inner sponges. They may be worn out, damaged, or improperly installed.
- **Tire Wobble/Vibration:** Ensure the sponge is correctly seated and not twisted inside the tire. An unevenly seated sponge can cause imbalance.
- **Difficulty Installing:** If the sponge is difficult to insert, ensure the tire is fully relaxed and not cold. Gentle manipulation is usually sufficient. Do not force the sponge, as this can cause damage.

If issues persist after inspection and reinstallation, consider replacing the sponges.

6. SPECIFICATIONS

Attribute	Value
Brand Name	TAMIYA
Model Name	TAM54590
Model Number	54590-000
Material Type	Rubber
Color	Black
Item Weight	0.04 Pounds

Number of Pieces	4 (Inner Sponges)
Assembly Required	No (Installation into tires required)
Manufacturer Minimum Age	14 Months
Manufacturer Maximum Age	110 Months

7. COMPATIBILITY

The TAMIYA 54590 M-Chassis Inner Sponges are compatible with a range of RC vehicles and chassis types, including but not limited to:

- Associated TC-3 Nitro Sedan
- HPI Electric E10, Sprint 2, Sprint 2 Flux
- Kawada Sigma 2 1:10 touring, Sigma DC 1:10 Drift
- Kyosho Fazer GP 1/10, GT Inferno Sedan, Spider MK2, TF2 Spider EP
- Mugen MTX-3 1:10 Nitro Touring, MTX4R 1:10 Nitro Touring
- OFNA JL-10 GT Sedan
- Tamiya M03 Mini, M04L Mini, M05 Mini, M06 Mini
- Thunder Tiger TS-4 Nitro
- TOP Racing Photon 1:10 Sedan, Rebel 10 1:10 pan car, Sabre 1:10 elec sedan
- Traxxas 4-tec Electric, Nitro 4-tec
- XRAY T1

Note: Always verify compatibility with your specific vehicle's requirements before purchase and installation.

8. SAFETY INFORMATION

Please observe the following safety guidelines:

- **Choking Hazard:** This product contains small parts and is not suitable for children under 3 years of age due to potential choking hazards.
- **Age Recommendation:** Recommended for users aged 12 years and up. Manufacturer minimum age is 14 months, maximum age is 110 months. Adult supervision is advised for younger users.
- **Intended Use:** Use this product only for its intended purpose as an RC vehicle component.

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official TAMIYA website or contact your authorized TAMIYA dealer. Specific warranty terms may vary by region and retailer.

Manufacturer: Tamiya

Manufacturer Part Number: 54590-000

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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