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› [Tamiya TRF Series No.114 Damper Haishiru X Ring \(50.8 Hardness\) 42214 User Manual](#)

Tamiya 42214

Tamiya TRF Series No.114 Damper Haishiru X Ring (50.8 Hardness) 42214 User Manual

Comprehensive instructions for installation, operation, and maintenance.

1. PRODUCT OVERVIEW

The Tamiya TRF Series No.114 Damper Haishiru X Ring (50.8 Hardness), model 42214, is a high-performance sealing component designed for remote control (RC) car dampers. These X-rings are engineered with a unique cross-section to provide superior sealing capabilities compared to traditional O-rings, effectively minimizing oil leakage and reducing friction within the damper unit. This results in smoother damper action and more consistent suspension performance for your RC vehicle.

2. INSTALLATION AND LUBRICATION

Proper installation and lubrication are crucial for the optimal performance and longevity of your X-rings. Follow these steps carefully to ensure effective sealing and smooth damper operation.

2.1 Recommended Lubrication

It is recommended to use a silicone-based grease for lubricating the X-rings. Ensure that the grease used is compatible with your damper oil. Most modern RC damper oils are silicone-based, making silicone grease the appropriate choice. Using incompatible lubricants can lead to degradation of the X-ring material or reduced performance.

2.2 Installation Steps

1. Apply a small, bean-sized amount of silicone grease to the tip of a fine brush.
2. Generously apply the grease to the inner wall of the damper cylinder case where the X-ring will be seated.
3. Using tweezers, carefully hold an X-ring. Apply a small amount of silicone grease to the grooves and the inner surface of the X-ring.
4. Insert the X-ring into its designated position within the damper cylinder case. Gently wipe off any excess grease that may have extruded.
5. Apply a small amount of damper oil to the tip of the damper shaft. Slowly and carefully insert the damper

shaft through the installed X-ring.

6. Wipe off any silicone grease that may have been pushed out during shaft insertion.

This method ensures that the X-ring is properly lubricated and seated, promoting smooth shaft movement and enhancing the sealing capability to prevent oil leakage.

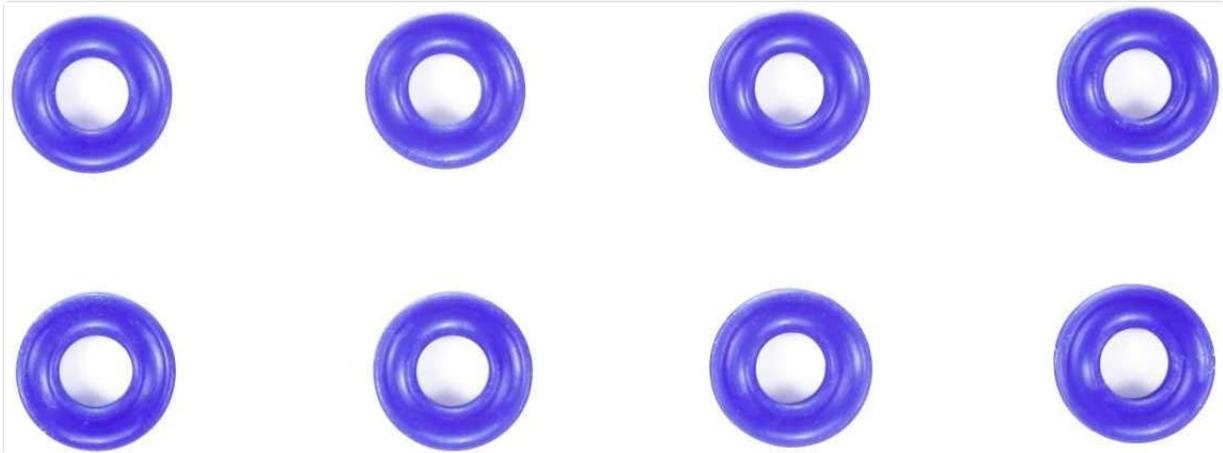


Image 1: Tamiya TRF Series No.114 Damper Haishiru X Rings (Model 42214). These blue X-rings are designed for superior sealing in RC car dampers.

3. FUNCTION AND PERFORMANCE

The Tamiya TRF Series No.114 Damper Haishiru X Rings are designed to provide a superior seal within your RC car's shock absorbers. Their unique 'X' shaped cross-section creates four sealing lips, which distribute pressure more evenly than traditional 'O' rings. This design effectively reduces friction on the damper shaft while maintaining an excellent seal, leading to smoother suspension travel, reduced oil leakage, and more consistent damping characteristics during operation.

4. MAINTENANCE GUIDELINES

Regular maintenance of your damper X-rings is essential to ensure continued peak performance of your RC vehicle's suspension system.

- **Inspection:** Periodically inspect the X-rings for any signs of wear, cracking, or deformation. Replace them if any damage is observed.
- **Replacement Schedule:** It is generally recommended to replace the damper oil and re-lubricate the X-rings annually, or more frequently depending on the intensity and frequency of use. This ensures the seals remain pliable and effective.
- **Cleaning:** When disassembling dampers for maintenance, gently clean the X-ring grooves and the damper shaft to remove any accumulated dirt or debris before reassembly.

5. TROUBLESHOOTING OIL LEAKAGE

If you experience persistent oil leakage from your dampers despite proper installation, consider the following troubleshooting steps:

- **Shim Adjustment:** If oil leakage persists, you may add one or two 0.1mm shims (washers) behind the X-ring to increase its compression. This can enhance the sealing effect. Be aware that increased compression might slightly reduce the smoothness of the damper shaft movement.
- **Lubricant Compatibility:** Double-check that your damper oil and X-ring grease are compatible. Using a silicone-based oil with a mineral-based grease, or vice-versa, can lead to seal degradation and leakage.

- **Damper Shaft Condition:** Inspect the damper shaft for any scratches, bends, or imperfections that could compromise the seal. A damaged shaft will cause leakage regardless of the X-ring's condition.
- **X-Ring Condition:** Ensure the X-rings themselves are not damaged or worn. Even new rings can sometimes have manufacturing defects.

6. PRODUCT SPECIFICATIONS

- **Brand:** Tamiya
- **Model Number:** 42214-000
- **Part Name:** Damper Haishiru X Ring (50.8 Hardness)
- **Weight:** Approximately 3 grams
- **Product Dimensions (L x W x H):** 0.2 x 8 x 8.5 cm (packaging dimensions)
- **Quantity:** Typically supplied in packs of 8 pieces (sufficient for four dampers).

7. WARRANTY AND CUSTOMER SUPPORT

Specific warranty information for the Tamiya TRF Series No.114 Damper Haishiru X Ring (50.8 Hardness) 42214 is not provided in this manual. For detailed warranty terms, technical support, or any product-related inquiries, please refer to the official Tamiya website or contact Tamiya customer service directly. Keep your purchase receipt for any warranty claims.

Official Tamiya Website: www.tamiya.com

Related Documents - 42214

	<p>Tamiya Championship Series (TCS) 2025 Rules & Regulations</p> <p>Official rules and regulations for the Tamiya Championship Series (TCS) 2025 regional race events. Covers driver eligibility, skill levels, general vehicle rules, electronics, batteries, car bodies, motors, tires, class-specific regulations (GT-1, GT-2, M-Chassis, F1, Euro Truck, GT-E, GT Pro Spec, GT Novice), event formats, prizes, and qualification for TCS Finals.</p>
	<p>EU Declaration of Conformity - Tamiya 1:10 RC Lancia 037 Rallye TA-02S</p> <p>This document is the EU Declaration of Conformity for the Tamiya 1:10 RC Lancia 037 Rallye TA-02S model, issued by Tamiya-Carson Modellbau GmbH & Co.KG, confirming compliance with relevant EU directives and harmonised standards.</p>



[Tamiya RC Mercedes-Benz G 500 \(CC-02\) Assembly Instructions](#)

Detailed assembly instructions and parts list for the Tamiya 1/10 RC 4WD High Performance Off-Road Car, Mercedes-Benz G 500 (CC-02) model kit. Includes step-by-step guidance, painting, and troubleshooting.



[Tamiya 1/24 Peugeot 307 WRC Monte Carlo '05 Model Kit Assembly Instructions](#)

Detailed assembly instructions and painting guide for the Tamiya 1/24 scale model kit of the Peugeot 307 WRC, which competed in the 2005 Monte Carlo Rally. Includes parts list, tool recommendations, paint codes, and decal application tips.



[Tamiya Mercedes-Benz 1850L \(56307\) RC Car Assembly Instructions](#)

Comprehensive assembly guide for the Tamiya Mercedes-Benz 1850L (56307) radio-controlled model car kit. This manual provides detailed, step-by-step instructions and part identification for building the model.



[Tamiya Cup 2020 Reglement - Officiële Regels](#)

Officiële reglementen voor de Tamiya Cup 2020, met gedetailleerde regels, technische specificaties en wedstrijdkalender voor diverse RC-autoklassen.

Documents - Tamiya – 42214

Item #	Description	Retail	MAP
10204	Caterham Super Seven BDR	\$526.00	\$420.80
10201	Tamiya 1/10 RC 4WD High Performance Off-Road Car	\$145.00	\$120.00
10202	Tamiya 1/10 RC 4WD High Performance Off-Road Car	\$145.00	\$120.00
10203	Tamiya 1/10 RC 4WD High Performance Off-Road Car	\$145.00	\$120.00
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10250	Tamiya 1/10 RC 4WD High Performance Off-Road Car	\$145.00	\$120.00

[pdf] Price List

Client Access Tamiya America Inc MAP Price List 12 03 2018 Item Description Retail 10204 Caterham Super Seven BDR \$526.00 \$420.80 10201 map price list december 952 3fcf tamiyausa media files ||| Item # 10204 1021 1022 1025 1028 1029 10304 10305 10306 10307 10308 10309 1031 10310 10311 10312 10360 11.60 Page 26 42187 42188 42189 42190 42191 42192 42193 42194 42195 42196 42199 42201 42212 42214 42215 42216 42217 42218 42219 42220 42221 42222 42223 42224 42225 42226 42228 42229 42230 4223...

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Tamiya America, Inc. MAP Price List			
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10204	CRASHBAR Upper Frame Set	\$15.99	\$10.00
10205	TRF011 LW BPF Frontbar	\$15.99	\$10.00
10206	TRF012 Front Bar Frame	\$15.99	\$10.00
10207	TRF013 LW Differential Ring	\$15.99	\$10.00
10208	RC 100 Traxxas A-Fire Motor	\$15.99	\$10.00
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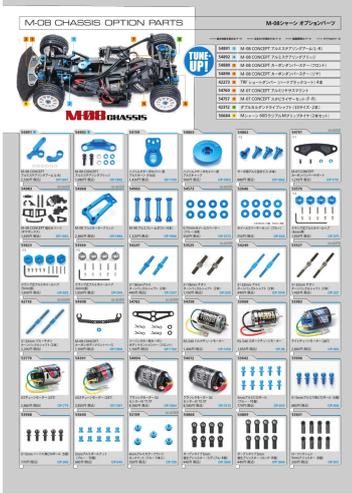
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[pdf] Price List

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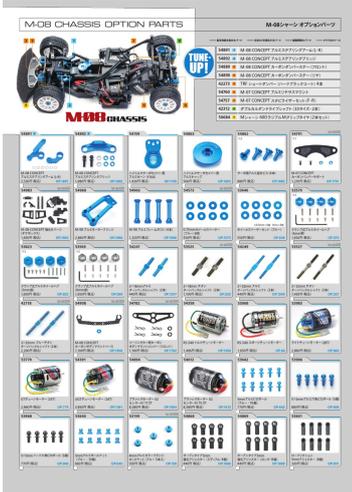
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