

SHIMANO WH-RS770-C30

SHIMANO WH-RS770-C30 Road Tubeless Wheelset Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SHIMANO WH-RS770-C30 Road Tubeless Wheelset. Please read these instructions thoroughly before use to ensure safe and optimal performance. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The SHIMANO WH-RS770-C30 is a high-performance road wheelset designed for disc brake systems, offering tubeless compatibility and a lightweight carbon fiber and aluminum rim construction. It features 24 spokes on both front and rear wheels, suitable for 10/11-speed cassettes, and utilizes 12mm E-Thru axles for enhanced stiffness and security.



Image 2.1: The SHIMANO WH-RS770-C30 Road Tubeless Wheelset, showing both front and rear wheels.

Key Features:

- WH-RS770-C30-TL-P12 Wheelset
- Front and Rear wheels, 24 spokes each
- Compatible with 11/10-speed cassettes
- Over Locknut Dimension (OLD): Front 100mm / Rear 142mm
- Axle Type: Front and Rear 12mm E-Thru
- Color: Black, includes rim tape

3. SPECIFICATIONS



Image 3.1: Front view of a single SHIMANO WH-RS770-C30 wheel, highlighting the hub and spoke pattern.

Specification	Detail
Model Number	WH-RS770-C30
Part Number	EWHR770C30P12L
Rim Type	Tubeless / Clincher compatible
Rim Material	Carbon Fiber and Aluminum
Rim Size	700C (622x17C)
Recommended Tire Size	700x23C - 28C
Spoke Count	Front: 24, Rear: 24
Over Locknut Dimension (OLD)	Front: 100mm, Rear: 142mm
Axle Type	Front: 12mm E-Thru, Rear: 12mm E-Thru

Specification	Detail
Compatible Brake Type	Disc Brake
Rotor Mount	Center Lock
Compatible Speeds	10/11-speed
Package Weight	3.7 Kilograms
Color	Black
UPC	689228839991



Image 3.2: Angled view of a SHIMANO WH-RS770-C30 wheel, showcasing the rim profile and disc brake hub.

4. SETUP AND INSTALLATION

Proper installation is crucial for safety and performance. If you are unsure about any step, consult a professional bicycle mechanic.

4.1. Tire Installation (Tubeless or Clincher)

1. **For Tubeless Tires:** Ensure the rim tape is properly seated and forms an airtight seal. Install the tubeless valve stem. Mount the tubeless tire according to the tire manufacturer's instructions, using tire sealant as recommended. Inflate to recommended pressure.
2. **For Clincher Tires:** Install a suitable inner tube and clincher tire. Ensure the tire beads are fully seated within the rim. Inflate to recommended pressure.

4.2. Cassette Installation

Install your 10-speed or 11-speed cassette onto the freehub body. Secure it with the cassette lockring, tightening to the manufacturer's specified torque using a cassette tool and torque wrench.

4.3. Disc Rotor Installation

The WH-RS770-C30 wheelset uses a Center Lock disc rotor mounting system. Attach the disc rotor to the hub and secure it with the Center Lock ring. Tighten the lockring to the specified torque using a Center Lock tool and torque wrench.

4.4. Wheel Installation onto Bicycle

Insert the 12mm E-Thru axles through your bicycle's fork and frame dropouts, and then through the wheel hubs. Secure the E-Thru axles according to your bicycle manufacturer's instructions, ensuring they are tightened to the specified torque. Verify that the wheels are properly centered and spin freely without rubbing against brake pads or frame.



Image 4.1: Side view of a SHIMANO WH-RS770-C30 wheel, showing the full rim and spoke arrangement.

5. OPERATING GUIDELINES

Once installed, your SHIMANO WH-RS770-C30 wheelset is ready for use. Observe the following guidelines for safe operation:

- **Tire Pressure:** Always maintain tire pressure within the range specified by your tire manufacturer. Check pressure before each ride.
- **Braking:** Ensure your disc brakes are properly adjusted and functioning. Avoid sudden, harsh braking unless necessary, especially in wet conditions.
- **Riding Conditions:** These wheels are designed for road cycling. Avoid extreme off-road use or impacts that could damage the rims or spokes.
- **Weight Limit:** Adhere to the maximum rider weight limit specified by SHIMANO for this wheelset. Consult official SHIMANO documentation or a dealer for this information.

商品詳細

シマノ

WH-RS770-C30

ロードDISCチューブレスホイール前後セット

■カーボンラミネートリム採用のディスクロードバイク用チューブレスホイール。

■フロント・リア共に12mmEスルーアクスル仕様。

■23mmワイドリム。

■サイズ：700C（622x17C）

■対応カセットスプロケット：10/11スピード

※Eスルーアクスルは別売りです。

SHIMANO

リムタイプ	チューブレス/クリンチャー
リム材質	カーボン+アルミニウム
リムサイズ	高さ F：28mm，R：28mm / 幅 F：23mm，R：23mm
推奨タイヤサイズ	700x23C～28C
スポーク本数	F：24 / R：24
オーバーロックナット寸法	F：100mm / R：142mm
アクスルタイプ	F：12mm E-Thru / R：12mm E-Thru
対応ブレーキ	DISCブレーキ
ローターマウント	センターロック
対応スピード	10/11スピード
対応スプロケットタイプ	カセット方式
参考重量	F：- / R：-

Image 5.1: A detailed side view of the SHIMANO WH-RS770-C30 wheel, focusing on the hub and spoke lacing.

6. MAINTENANCE

Regular maintenance extends the lifespan and ensures the safety of your wheelset.

- **Cleaning:** Clean the wheels regularly with mild soap and water. Avoid harsh chemicals or high-pressure washers that can damage bearings or seals.
- **Spoke Tension:** Periodically check spoke tension. Uneven tension can lead to wheel damage or failure. If spokes feel loose or the wheel is out of true, consult a professional mechanic.
- **Hub Bearings:** SHIMANO hubs are designed for durability. If you notice any play or roughness in the bearings, have them inspected and serviced by a qualified mechanic. Do not attempt to disassemble without proper tools and knowledge.
- **Tire and Rim Inspection:** Regularly inspect tires for wear, cuts, or punctures. Check rims for any cracks, dents, or damage, especially after impacts.
- **Disc Rotor Inspection:** Check disc rotors for wear, warping, or contamination. Replace if necessary.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your wheelset.

- **Wheel Wobble/Out of True:** If your wheel wobbles or is not spinning straight, it may be out of true. This requires spoke tension adjustment, best performed by a professional mechanic.
- **Loss of Tire Pressure (Tubeless):** Check for punctures in the tire, issues with the tubeless valve, or improper rim tape sealing. Add more sealant if necessary, or inspect for damage.
- **Brake Rubbing:** Ensure the wheel is properly seated in the dropouts and the E-Thru axles are tightened correctly. Check for a warped disc rotor or misaligned brake caliper.
- **Noisy Hubs:** This could indicate worn or contaminated bearings. Seek professional service for inspection and replacement if needed.

For any issues not covered here, or if you are unable to resolve a problem, please consult a certified SHIMANO dealer or bicycle mechanic.

8. WARRANTY AND SUPPORT INFORMATION





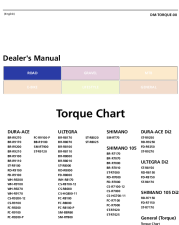
For detailed warranty information, please refer to the warranty card included with your product or consult your point of purchase. SHIMANO products are typically covered by a limited warranty against defects in materials and workmanship.

For technical support, service, or to locate an authorized dealer, please visit the official SHIMANO website or contact their customer service department. Keep your proof of purchase for any warranty claims.

No official product videos were provided for this model in the available data.

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Related Documents - WH-RS770-C30

	<p>Shimano WH-7701 WH-R540 Wheel Technical Service Instructions and Maintenance Guide</p> <p>Comprehensive technical service instructions and maintenance guide for Shimano WH-7701 and WH-R540 bicycle wheels. Covers safety warnings, specifications, spoke replacement, HG sprocket installation, and freewheel body replacement procedures.</p>
	<p>Shimano WH-7700, WH-6500, WH-R535 Wheel Service Instructions and Specifications</p> <p>Comprehensive service instructions, specifications, and installation guides for Shimano WH-7700, WH-6500, and WH-R535 bicycle wheels, covering brake shoe setting, HG sprocket installation, and freewheel body replacement.</p>
	<p>Shimano Technical Documents Website User Manual</p> <p>User manual for the si.shimano.com website, providing instructions on how to navigate, search for, and download technical documents, manuals, and specifications for Shimano products.</p>
	<p>Shimano Original Parts Catalogue 2025 Bicycle Components</p> <p>Explore the comprehensive 2025 Shimano Original Parts Catalogue, featuring detailed specifications, compatibility information, and product listings for all Shimano bicycle components. Find the perfect replacement parts for your bike.</p>
	<p>Shimano Dealer's Manual: Torque Chart for Bicycle Components</p> <p>This dealer's manual from Shimano provides essential torque specifications for a wide range of bicycle components, including Dura-Ace, Ultegra, and 105 series. It details torque values and required tools for hydraulic disc brake calipers, dual pivot caliper brakes, dual control levers, derailleurs, wheel sets, cranksets, bottom brackets, and disc brake rotors.</p>

[Shimano 2025-2026 Compatibility Guide](#)

Explore the comprehensive 2025-2026 compatibility guide from Shimano, detailing component interactions for various bicycle types including Mountain, Gravel, and Lifestyle. This guide helps users understand the seamless integration of Shimano's drivetrain and braking systems.