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SHIMANO ERDU6000GS

Shimano CUES RD-U6000-GS Rear Derailleur User Manual

Model: ERDU6000GS

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Shimano CUES RD-U6000-GS Rear Derailleur. Designed for seamless shifting and pedaling across various terrains, this derailleur offers stable drivetrain performance for trails, gravel, and city streets. Please read this manual thoroughly before use to ensure optimal performance and longevity of your component.

2. SAFETY INFORMATION

Always prioritize safety when working with bicycle components. Improper installation or maintenance can lead to serious injury or damage to your bicycle.

- Ensure all bolts are tightened to the manufacturer's specified torque settings.
- Wear appropriate safety gear, including eye protection, during installation and maintenance.
- If you are unsure about any installation or maintenance procedure, consult a qualified bicycle mechanic.
- Keep hands and clothing clear of moving parts during operation.
- Regularly inspect the derailleur for any signs of wear, damage, or loose components.

3. PRODUCT OVERVIEW

The Shimano CUES RD-U6000-GS Rear Derailleur is engineered for reliable and smooth shifting performance. Key features include:

- **Shadow+ Low-Profile Design:** Optimized for rough terrain, reducing the risk of impact damage.
- **Chain Stabilizer:** Minimizes chain drop, slap, and noise, enhancing ride stability.
- **Compatibility:** Specifically designed for Shimano CUES 10- and 11-Speed LINKGLIDE shifters and compatible with LINKGLIDE AND HG 11-speed chains.
- **E-biking Performance:** Designed and tested for enduring performance, including e-biking applications.
- **13t Pulley Wheels:** For efficient chain management.



Figure 3.1: Shimano CUES RD-U6000-GS Rear Derailleur. This image shows the black derailleur from a side angle, highlighting its compact design, the Shimano CUES branding, and the two large pulley wheels.

4. SETUP AND INSTALLATION

Proper installation is crucial for the derailleur's performance. This derailleur uses a Rear Direct Mount system.

4.1 Compatibility Check

IMPORTANT: This derailleur is **ONLY compatible** with Shimano CUES 10- and 11-Speed LINKGLIDE shifters. Ensure your shifters meet this requirement before installation. It is also compatible with LINKGLIDE AND HG 11-speed chains.

4.2 Installation Steps (General Guidelines)

1. **Mounting:** Attach the derailleur to the frame's direct mount hanger. Ensure it is securely seated.
2. **Cable Routing:** Route the shift cable through the frame and connect it to the derailleur's cable fixing bolt.
3. **Chain Installation:** Install the bicycle chain, ensuring it is the correct length for your drivetrain setup.

4. **Limit Screw Adjustment:** Adjust the high (H) and low (L) limit screws to prevent the chain from over-shifting off the smallest and largest cogs.
5. **B-Tension Adjustment:** Adjust the B-tension screw to set the proper gap between the upper guide pulley and the largest cog.
6. **Indexing Adjustment:** Fine-tune the cable tension using the barrel adjuster to ensure smooth and precise shifting across all gears.
7. **Final Check:** Test shifting through all gears while the bike is stationary and then during a short ride to confirm proper operation.

For detailed, step-by-step installation instructions, refer to the official Shimano technical service instructions available on the Shimano website or consult a professional bicycle mechanic.

5. OPERATING THE DERAILLEUR

The Shimano CUES RD-U6000-GS derailleur works in conjunction with your CUES 10/11-speed shifters to move the chain across the rear cassette cogs, allowing you to select different gear ratios.

- **Shifting Up (to larger cogs):** Push the shifter lever to move the chain to a larger cog, making pedaling easier.
- **Shifting Down (to smaller cogs):** Push the release lever to move the chain to a smaller cog, making pedaling harder but faster.
- **Smooth Operation:** Shift gears while pedaling forward with moderate pressure. Avoid shifting under heavy load to prevent premature wear and chain drop.
- **Chain Stabilizer:** The integrated chain stabilizer (Shadow+) helps maintain chain tension and reduces chain slap, especially on rough terrain. Ensure it is engaged for optimal performance.

6. MAINTENANCE

Regular maintenance will extend the life of your derailleur and ensure consistent performance.

- **Cleaning:** Keep the derailleur, especially the pulley wheels and cage, clean from dirt and grime. Use a degreaser and brush as needed.
- **Lubrication:** Periodically lubricate the pivot points and pulley wheel bearings with appropriate bicycle chain lubricant. Avoid over-lubrication, which can attract dirt.
- **Inspection:** Regularly check for bent derailleur hangers, worn pulley wheels, loose bolts, or any signs of damage. Address issues promptly.
- **Cable and Housing:** Inspect shift cables and housing for fraying, kinks, or contamination. Replace them if necessary to maintain smooth shifting.
- **Limit Screw Check:** Periodically re-check limit screw adjustments to ensure the chain does not over-shift.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Difficulty shifting, slow shifts	Incorrect cable tension, dirty cable/housing, bent derailleur hanger	Adjust barrel adjuster, clean/replace cable/housing, check/straighten hanger

Problem	Possible Cause	Solution
Chain rubbing on derailleur cage	Incorrect limit screw adjustment, bent derailleur hanger	Adjust H/L limit screws, check/straighten hanger
Chain dropping off cogs	Incorrect limit screw adjustment, worn chain/cogs, insufficient chain tension	Adjust H/L limit screws, replace worn components, check chain stabilizer engagement
Excessive chain noise/slap	Chain stabilizer disengaged, dry chain, worn pulley wheels	Engage chain stabilizer, lubricate chain, replace pulley wheels

If problems persist after attempting these solutions, it is recommended to consult a professional bicycle mechanic.

8. SPECIFICATIONS

Specification	Value
Model Name	ERDU6000GS
Mounting Type	Shimano Rear Direct Mount
Drivetrain Speeds	10/11-Speed (CUES LINKGLIDE compatible)
Largest Cog Capacity	50 teeth
Chain Wrap Capacity	39 teeth
Cage Length	Medium (GS)
Pulley Wheels	13t
Color	Black
Material	Aluminum (Case Material)
Item Weight	0.5 Kilograms
Designed for E-bike	Yes

9. WARRANTY AND SUPPORT

This Shimano CUES RD-U6000-GS Rear Derailleur comes with a **Limited Warranty**. For specific terms and conditions of the warranty, please refer to the documentation included with your purchase or visit the official Shimano website.

For technical support, service, or warranty claims, please contact your authorized Shimano dealer or visit the official Shimano support portal. Providing your model name (ERDU6000GS) and any purchase details will assist in a quicker resolution.

You can visit the SHIMANO Store for more information: [SHIMANO Store on Amazon](#)



This manual is subject to change without notice.