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Juscycling DH-21

Juscycling Derailleur Hanger DH-21 Instruction Manual

Model: DH-21

1. Product Overview

The Juscycling DH-21 Derailleur Hanger is a critical component designed to protect your bicycle's frame and rear derailleur from damage during impacts. Made from high-strength aluminum alloy, this hanger is engineered to bend or break before more expensive parts of your bicycle are compromised. It comes with necessary mounting bolts for installation.
Key features include:

- High-strength aluminum alloy construction.
- Designed to fit various Giant and Kona bicycle frames.
- Includes mounting bolts for installation.

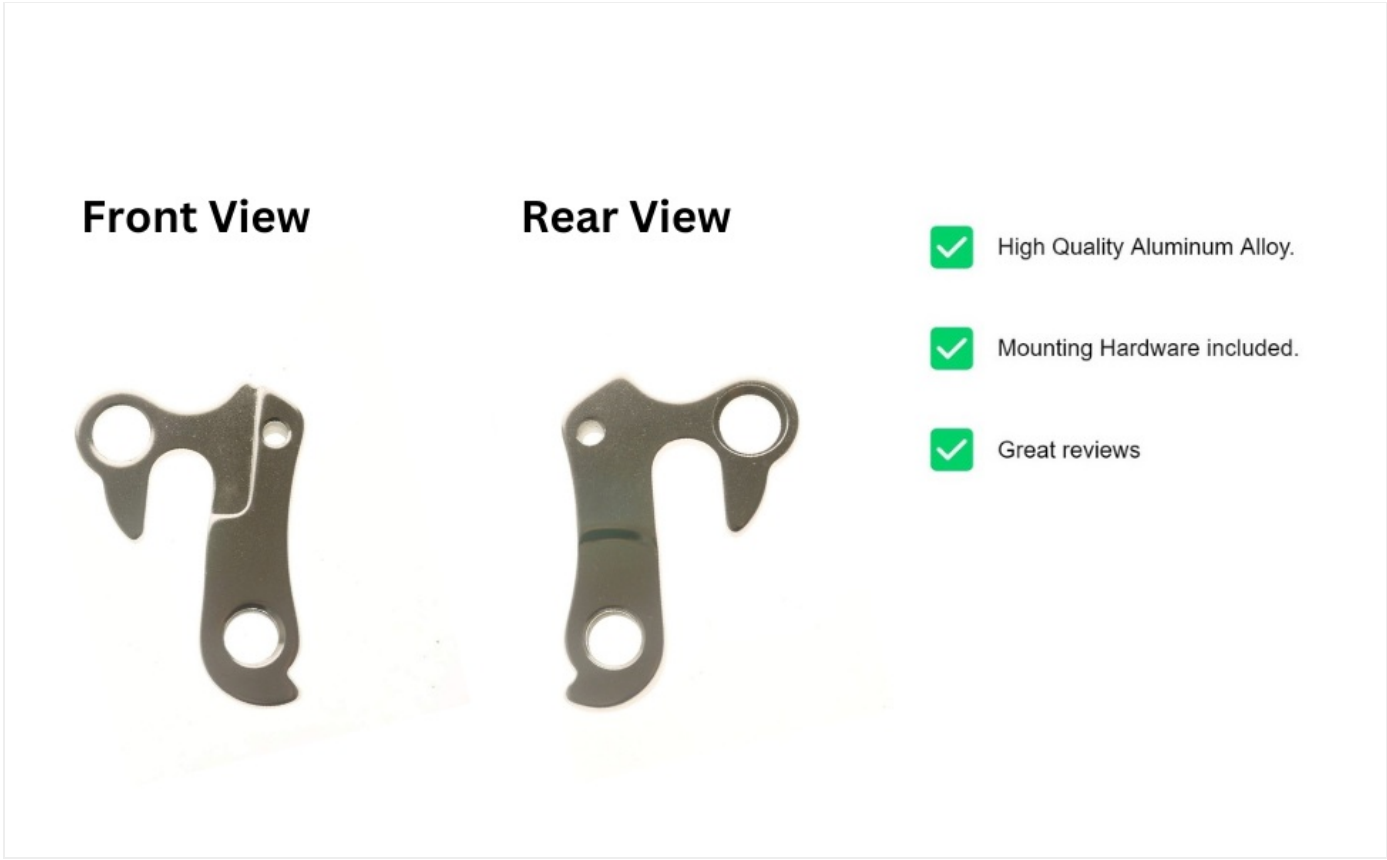


Image 1: Front and rear views of the DH-21 derailleur hanger, highlighting its aluminum alloy construction and included mounting hardware.

2. Compatibility

This derailleur hanger (DH-21) is compatible with many Giant and Kona bicycle frames. It is crucial to visually compare the shape and profile of this hanger with your existing derailleur hanger to ensure proper fitment before installation. Refer to the images provided in this manual for visual comparison.

Known compatible Giant models include, but are not limited to: Boulder, Iguana, Warp, TCX, Cypress, Pistol, STP, Arete, Reign, Glory, Trance, Anthem, XTC, Rainier, NRS, VT, ATX, Brass, FCR, Transcend, Sedona. Also compatible with various Kona and Colna models.

Note: Bicycle manufacturers may change frame designs and hanger specifications. Always verify compatibility by visual inspection.



Image 2: The DH-21 derailleur hanger shown with its accompanying mounting bolts. Use this image for visual comparison with your existing hanger.

3. Setup and Installation

Installation of the derailleur hanger requires basic bicycle maintenance tools. If you are unsure about any step, it is recommended to seek assistance from a qualified bicycle mechanic.

Required Tools:

- Appropriate Allen wrench or hex key for hanger bolts.
- Torque wrench (recommended for precise tightening).
- Chain whip and cassette tool (if removing cassette for access).

Installation Steps:

1. **Remove Rear Wheel:** Carefully remove the rear wheel from your bicycle frame.
2. **Remove Derailleur:** Detach the rear derailleur from the existing hanger. This usually involves unscrewing the

derailleur mounting bolt.

3. **Remove Old Hanger:** Locate and remove the bolts securing the old derailleur hanger to the frame. Some hangers are secured from the inside of the frame, while others are external.
4. **Clean Mounting Area:** Clean any dirt or debris from the frame's hanger mounting area.
5. **Install New Hanger:** Position the new Juscycling DH-21 hanger onto the frame. Ensure it aligns correctly with the frame's mounting points.
6. **Secure Hanger:** Insert the provided mounting bolts through the hanger and into the frame. Hand-tighten them initially.
7. **Torque Bolts:** Using an appropriate Allen wrench, tighten the hanger bolts to the manufacturer's recommended torque specifications (typically found in your bicycle frame manual). Avoid over-tightening, which can damage the frame or hanger.
8. **Reattach Derailleur:** Mount the rear derailleur onto the new hanger. Ensure the derailleur mounting bolt is securely tightened.
9. **Reinstall Rear Wheel:** Reinstall the rear wheel and secure it properly.
10. **Adjust Derailleur:** After installation, it is essential to check and adjust your rear derailleur's limit screws and B-tension to ensure smooth and accurate shifting.



Image 3: A silver variant of the DH-21 derailleur hanger, showing the bolt holes for attachment to the bicycle frame.

4. Operation and Function

The derailleur hanger serves as a sacrificial component between your bicycle frame and the rear derailleur. Its primary function is to provide a mounting point for the derailleur while being designed to bend or break in the event of an impact (e.g., a fall or hitting an obstacle). This prevents damage to the more expensive bicycle frame or the derailleur itself. When riding, the hanger ensures the derailleur is correctly aligned with the cassette, allowing for precise gear changes. Any bending or misalignment of the hanger can lead to poor shifting performance or chain skipping.

5. Maintenance

Regular inspection and maintenance of your derailleur hanger are crucial for optimal shifting performance and to ensure its protective function.

- **Visual Inspection:** Periodically check the hanger for any signs of bending, cracks, or damage. Even a slight bend can affect shifting.
- **Cleaning:** Keep the hanger and surrounding area clean from dirt, mud, and grime, which can accumulate and hinder performance.
- **Bolt Tightness:** Ensure the hanger mounting bolts remain securely tightened. Check them periodically, especially after rough rides.
- **Alignment Check:** If you experience shifting issues, have your hanger alignment checked by a professional using a derailleur hanger alignment tool.

6. Troubleshooting

Problem	Possible Cause	Solution
Poor or inconsistent shifting	Bent or misaligned derailleur hanger.	Inspect the hanger for bends. If bent, it may be possible to realign it with a specialized tool, or it might require replacement.
Chain skipping gears	Derailleur hanger misalignment; incorrect derailleur adjustment.	Check hanger alignment. Adjust derailleur limit screws and B-tension.
Derailleur rubbing against spokes	Severely bent derailleur hanger.	Immediately stop riding. Replace the derailleur hanger to prevent further damage to the wheel or derailleur.
Hanger feels loose	Loose mounting bolts.	Tighten the hanger mounting bolts to the recommended torque.

7. Specifications

- **Model:** DH-21
- **Material:** High-strength Aluminum Alloy
- **Color:** Black (as standard, other colors may vary)
- **Item Weight:** 0.07 Kilograms
- **Mounting Type:** Braze-On Mount
- **Package Dimensions:** 5 x 2.5 x 0.1 inches
- **UPC:** 714559146408
- **Manufacturer:** Juscycling

8. Warranty and Support

For any questions regarding the Juscycling DH-21 Derailleur Hanger, including compatibility, installation, or potential defects, please contact Juscycling customer support. While specific warranty details are not provided, Juscycling stands by the quality of its products.
You can visit the official Juscycling store on Amazon for more information and contact options:Juscycling Store

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