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BUCKLOS QQ900525-8S-11-25T

BUCKLOS 8 Speed 11-25T Bike Cassette Instruction Manual

Model: QQ900525-8S-11-25T

1. Product Overview

The BUCKLOS 8 Speed 11-25T Bike Cassette is designed for bicycle drivetrains, offering reliable gear shifting across various riding conditions. This cassette is compatible with Shimano and SRAM HG hub drivers.

Key Features:

- **Speed Configuration:** 8-speed cassette with sprockets ranging from 11-13-15-17-19-21-23-25T.
- **Material:** Constructed from high-strength steel for durability and wear resistance.
- **Corrosion Resistance:** Features a nickel-plated surface design to prevent corrosion and rust.
- **Smooth Shifting:** Engineered with tight spacing between tooth plates for responsive and quiet gear changes.
- **Lightweight Design:** Weighs approximately 0.228 kg (0.5 lb).
- **Compatibility:** Designed for use with Shimano and SRAM HG hub drivers.



Image 1: BUCKLOS 8 Speed 11-25T Bike Cassette. This image displays the full cassette assembly, highlighting its 8-speed configuration and tooth count.



Image 2: Diagram illustrating key features of the BUCKLOS cassette, including small hole design for cleaning, aluminum bracket for lightness, multi-layer plating for anti-corrosion, lead groove for responsive shifting, and toothed plate for precise chain guide.

2. Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your BUCKLOS bike cassette. Ensure you have the necessary tools, including a cassette lockring tool and a chain whip.

Compatibility Check:

- This cassette is compatible with Shimano and SRAM HG hub drivers. It is**not** compatible with 12-speed or XD freehubs.
- Ensure your shift lever and chain are also compatible with an 8-speed system.



Image 3: Diagram showing compatibility with HG hubs (indicated by a green checkmark) and incompatibility with XD and MS hubs (red crosses).

Installation Steps:

1. **Prepare the Hub:** Ensure your HG freehub body is clean and free of debris.
2. **Align Splines:** Carefully align the splines on the cassette with the splines on the freehub body. The cassette has a wider spline that corresponds to a wider groove on the freehub, ensuring correct orientation.
3. **Slide Cogs On:** Slide the individual cogs or cog clusters onto the freehub body.
4. **Install Lockring:** Once all cogs are in place, thread the lockring onto the freehub body by hand.
5. **Tighten Lockring:** Use a cassette lockring tool and a torque wrench to tighten the lockring to the manufacturer's specified torque (typically 40 Nm). A chain whip may be needed to hold the cassette steady while tightening.
6. **Check for Play:** After tightening, ensure there is no lateral play in the cassette.

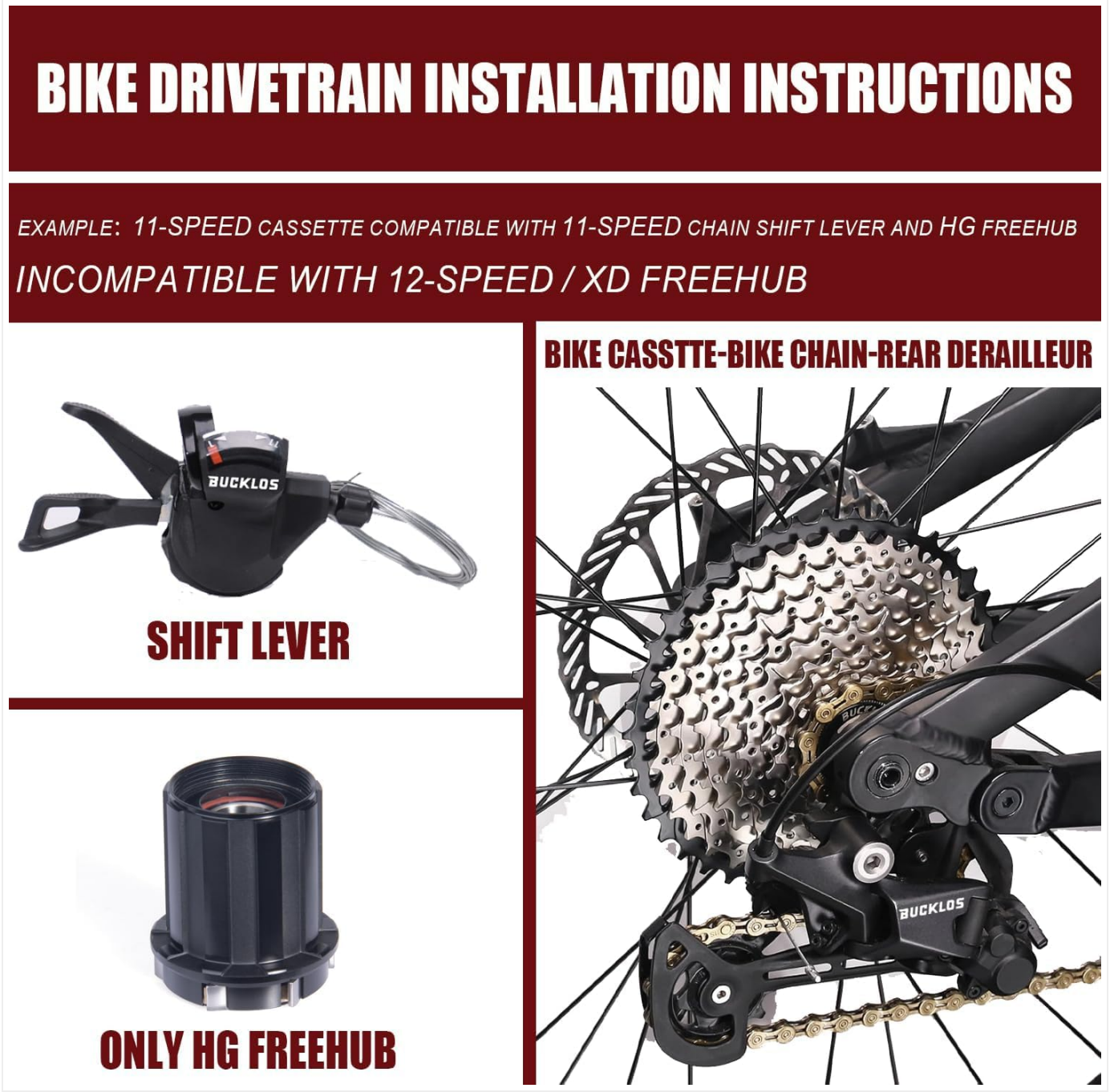


Image 4: Visual guide for bike drivetrain installation, showing a shift lever, an HG freehub, and a rear derailleur with cassette. Emphasizes compatibility with HG freehubs.



Video 1: This video demonstrates the process of installing a bike cassette onto a hub, including aligning splines and tightening the lockring.

3. Operating the Cassette

The BUCKLOS 8-speed cassette is designed for smooth and efficient power transfer across various terrains.

Gear Shifting:

- Engage your bicycle's shifters to move the chain between the different sprockets of the cassette.
- The tight tooth spacing facilitates quick and quiet gear changes.
- This cassette is suitable for various riding environments, including road, climbing, downhill, mountain, and rocky trails.



Image 5: Illustrates the design for fast and noiseless shifting, highlighting the close chain compression and smooth gear changes due to tight tooth spacing.

Tooth Selection for Riding Conditions:

- **Large Toothed Disc (Front Chainring) - Small Cassette (Rear):** Suitable for road cruising, offering higher speeds but requiring more effort.
- **Small Toothed Disc (Front Chainring) - Large Cassette (Rear):** Ideal for climbing, providing more leverage and requiring less effort, with multiple speed changes available.

Image 6: Guide on tooth selection, explaining how different front chainring and rear cassette combinations affect riding for speed or climbing.

4. Maintenance

Regular maintenance ensures the longevity and smooth operation of your cassette.

Cleaning:

- The cassette's surface coating and small hole design facilitate easy cleaning.
- Regularly clean the cassette with a degreaser and brush to remove dirt and grime.
- Rinse thoroughly and dry before lubricating your chain.
- The gears are designed to be easily removed and replaced for thorough cleaning if necessary.



Image 7: Depicts the ease of installation and cleaning, showing the cassette components and a visual representation of how easily they can be assembled/disassembled.

Corrosion and Rust Prevention:

- The nickel-plated surface provides inherent anti-corrosion and anti-rust properties.
- Avoid prolonged exposure to moisture and harsh chemicals.
- After riding in wet conditions, clean and dry the cassette promptly.

5. Troubleshooting

This section addresses common issues you might encounter with your bike cassette.

Common Issues and Solutions:

- **Poor Shifting Performance:**
  - Check if the derailleur is properly adjusted.
  - Inspect the chain for wear or damage. A worn chain can cause poor shifting and premature cassette wear.
  - Ensure the cassette lockring is tightened to the correct torque.
  - Verify that the cassette is clean and free of excessive grime.
- **Cassette Play or Looseness:**
  - Re-tighten the cassette lockring to the specified torque (40 Nm).
  - Ensure all spacers (if applicable) are correctly installed.
- **Clearance Issues with Hub:**
  - Some hubs may have specific clearance requirements. If the cassette's rivets or design elements interfere with your hub, verify the hub's specifications or consult a professional bike mechanic.
  - Ensure the hub is indeed an HG type and not an incompatible standard like XD or MS.
- **Noise During Shifting or Riding:**
  - Check for proper derailleur adjustment and chain lubrication.
  - Inspect for bent or damaged cassette teeth.
  - Ensure the chain is not worn beyond its service limit.

6. Specifications

Feature	Detail
Model Name	QQ900525-8S-11-25T-nickel
Speed	8 Speed
Tooth Combination	11-13-15-17-19-21-23-25T
Material	High-strength Steel
Surface Treatment	Nickel-plated
Compatibility	Shimano, SRAM HG Hub Driver
Item Weight	11.2 ounces (0.29 kg)
Package Dimensions	4.88 x 4.76 x 1.46 inches

7. Warranty and Support

Warranty Information:

This product is typically covered by a standard return policy, allowing returns within 30 days of purchase for refund or replacement. Please refer to your retailer's specific return policy for detailed terms and conditions.

Customer Support:

For technical assistance, product inquiries, or warranty claims, please contact BUCKLOS customer support through the retailer where the product was purchased or visit the official BUCKLOS store page for contact information.

BUCKLOS is committed to providing high-quality cycling accessories and support to cycling enthusiasts.

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