BUCKLOS 8/9/10/11/12 Speed Cassette & Chain

BUCKLOS Bicycle Cassette and Chain User Manual

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your BUCKLOS 8, 9, 10, 11, or 12-speed bicycle cassette and compatible chain. Adhering to these instructions will help ensure optimal performance, durability, and safe use of your bicycle drivetrain components.
BUCKLOS cassettes are constructed from high-strength steel, designed for wear resistance and durability. The multi-layer plating provides enhanced anti-corrosion properties. BUCKLOS chains feature high hardness steel, surface plating for anti-corrosion, and lubrication treatment for smooth operation.

2. Setup and Installation

2.1 Cassette Compatibility

BUCKLOS cassettes are designed for compatibility with HG (HyperGlide) type hubs. Before installation, verify that your bicycle's rear hub is an HG type. Incompatible hubs (such as XD or MS) will prevent proper installation and function.



Image 2.1: This diagram illustrates the correct hub type for BUCKLOS cassettes. Only HG (HyperGlide) hubs are compatible, indicated by a green checkmark. XD and MS hubs are incompatible, marked with red crosses.

2.2 Cassette Installation

1. Ensure your wheel is removed from the bicycle and the existing cassette (if any) is removed using a cassette lockring tool and chain whip.
2. Clean the freehub body thoroughly to remove any dirt or grease.
3. Align the widest spline on the BUCKLOS cassette with the widest groove on the freehub body. Slide the cassette cogs onto the freehub body.
4. Once all cogs are in place, thread the lockring onto the freehub body by hand.
5. Use a cassette lockring tool and a torque wrench to tighten the lockring to the manufacturer's specified torque (typically 40 Nm).

2.3 Chain Installation

BUCKLOS chains are typically supplied with a 'Magic Buckle' (quick link) for easy installation. Ensure the chain length is

appropriate for your bicycle's drivetrain configuration (number of chainrings and largest cassette cog).

1. Route the chain through the front derailleur, around the chainrings, through the rear derailleur, and around the cassette.
2. Determine the correct chain length. A common method is to wrap the chain around the largest chainring and largest cassette cog, bypassing the rear derailleur. Add two full links (one inner and one outer plate) to this length.
3. Use a chain tool to shorten the chain to the determined length.
4. Connect the chain ends using the provided 'Magic Buckle' quick link. Ensure the quick link is fully engaged by applying pressure to the pedals or rear wheel.

3. Operating Instructions

BUCKLOS cassettes and chains are engineered for smooth and responsive shifting. To achieve optimal performance and extend component life, follow these operating guidelines:

- **Smooth Shifting:** Shift gears proactively, anticipating terrain changes. Avoid shifting under heavy load, especially when climbing or accelerating forcefully.
- **Responsive Shifting:** The lead grooves on the cassette cogs are designed for responsive shifting. Ensure your derailleur is properly adjusted for precise gear changes.
- **Chain Line:** Try to maintain a relatively straight chain line to minimize wear on the chain and cogs. Avoid extreme cross-chaining (e.g., largest chainring with largest cassette cog, or smallest chainring with smallest cassette cog).



Image 3.1: This image highlights the benefits of the BUCKLOS chain, including auxiliary lubrication, smooth speed changes, and low friction with minimal noise during operation.

4. Maintenance

Regular maintenance is crucial for the longevity and performance of your BUCKLOS cassette and chain.

4.1 Cleaning

- **Cassette:** The small hole design on the cassette cogs facilitates easier cleaning. Regularly clean the cassette with a brush and degreaser to remove accumulated dirt and grime. Rinse thoroughly and dry.
- **Chain:** Clean your chain frequently, especially after riding in wet or dirty conditions. Use a chain cleaning device or a brush with degreaser. Ensure all grit is removed.

4.2 Lubrication

After cleaning and drying, apply a suitable bicycle chain lubricant to each link of the chain. This surface lubrication

treatment ensures smooth gear shifting, reduces friction, and minimizes noise. Wipe off any excess lubricant to prevent attracting dirt.

4.3 Anti-Corrosion and Rust Prevention

BUCKLOS components feature electroplating treatment and high-hardness steel forging with surface quenching heat treatment to resist corrosion and rust. However, proper cleaning and lubrication are still essential to maintain these protective properties.



Image 4.1: This image contrasts a BUCKLOS chain, which features surface plating for anti-corrosion and high hardness steel for wear resistance, against a chain that is easy to rust and break due to lack of protection.

4.4 Inspection

Regularly inspect your cassette and chain for signs of wear, such as hooked teeth on the cassette or chain stretch. Worn components can lead to poor shifting performance and premature wear of other drivetrain parts. Replace components as necessary.

5. Troubleshooting

If you experience issues with your BUCKLOS cassette or chain, consider the following common troubleshooting steps:

- **Noisy Shifting or Chain Skipping:**
  - Check rear derailleur adjustment. Incorrect limit screw or B-tension settings can cause issues.
  - Inspect the chain for wear (stretch) using a chain wear indicator. A stretched chain can cause skipping on the cassette.
  - Examine cassette cogs for excessive wear (e.g., 'shark fin' shaped teeth).
  - Ensure the cassette lockring is tightened to the correct torque.
- **Difficulty Shifting:**
  - Verify that the derailleur cable tension is correctly set.
  - Check for bent derailleur hanger.
  - Ensure the chain is clean and adequately lubricated.
- **Chain Falling Off:**
  - Adjust front and rear derailleur limit screws.
  - Check for bent chainring teeth or worn chain.

6. Specifications

Below are the general specifications for BUCKLOS bicycle cassettes and chains. Specific tooth counts for cassettes vary by model (8, 9, 10, 11, or 12 speed).

6.1 Cassette Specifications

- **Speeds:** 8-speed, 9-speed, 10-speed, 11-speed, 12-speed
- **Tooth Range Options:** 11-25T, 11-28T, 11-32T, 11-34T, 11-36T, 11-40T, 11-42T, 11-46T, 11-50T, 11-52T (depending on speed model)
- **Material:** High-strength steel structure, aluminum bracket (for some models)
- **Surface Treatment:** Multi-layer electroplating for anti-corrosion and anti-rust
- **Shifting:** Lead groove design for responsive and smooth shifting

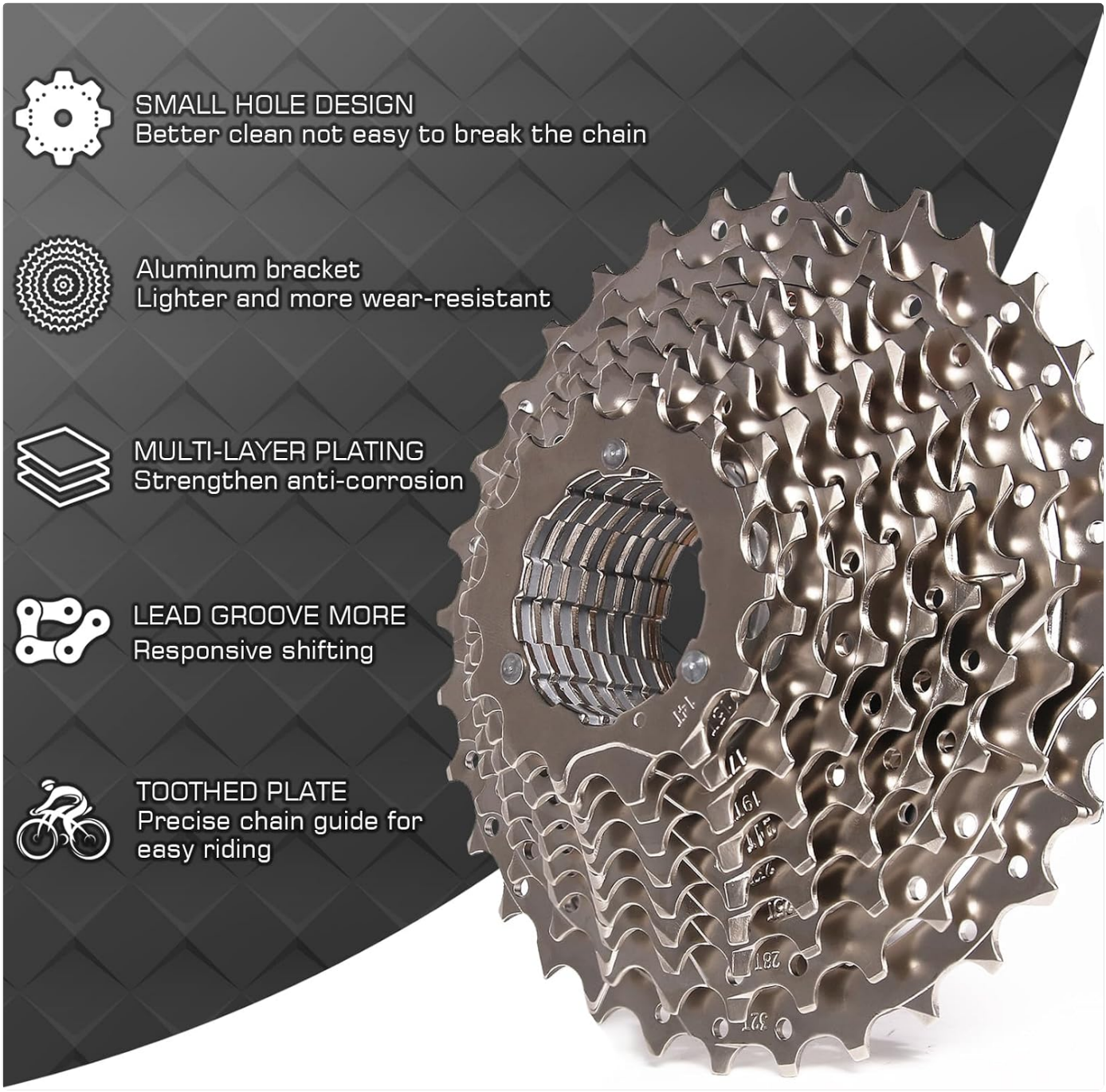


Image 6.1: This image details the construction of the BUCKLOS cassette, featuring a small hole design for easy cleaning, an aluminum bracket for lighter weight and wear resistance, multi-layer plating for corrosion protection, lead grooves for responsive shifting, and a precise toothed plate for chain guidance.

6.2 Chain Specifications (Example: BC8 Model)



Image 6.2: This image presents a table of specifications for a BUCKLOS BC8 (8-speed) chain, detailing its dimensions (1/2" X 3/32" 116 links), gold color, solid hollow type, 343g weight, and 'Magic Buckle' link method.

Example Chain Specifications (BC8 Model)

Attribute	Value
Model	BC8 (8 Speed)
Specifications	1/2" X 3/32" 116 links
Color	Gold
Hollow Type	Solid
Weight	343g
Link Method	Magic Buckle

© 2024 BUCKLOS. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question