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› Cane Creek 110-Series Zerostack Headset Top Installation and Maintenance Manual

Cane Creek 110-Series Upper

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Model: 110-Series Upper (BAA0151K)

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Cane Creek 110-Series Zerostack Short Cover Top headset. Designed for 44mm head-tubes and 1-1/8-inch stem clamp diameters, this component is engineered for durability and performance. Please read these instructions thoroughly before proceeding with installation to ensure correct assembly and safe operation.



Image 1.1: Cane Creek 110-Series Zerostack Short Cover Top Headset. This image displays the black headset top assembly, highlighting its compact design and precision finish.

2. PRODUCT COMPONENTS

The Cane Creek 110-Series Zerostack Short Cover Top includes the following components:

- Headset Upper Assembly (Short Cover Top)
- Compression Ring
- Top Bearing
- Top Cover

Note: This product is the upper headset assembly only. Lower headset components, fork, and stem are sold separately.

3. SETUP AND INSTALLATION

Proper installation is critical for the performance and longevity of your headset. If you are unsure about any step, consult a professional bicycle mechanic.

3.1 Tools Required

- Hex wrenches (typically 4mm, 5mm, or 6mm for stem bolts)
- Torque wrench
- Grease (bicycle specific)
- Clean rags

3.2 Installation Steps

1. **Prepare the Head-Tube:** Ensure the bicycle's 44mm head-tube is clean and free of debris. The internal contours of the Zerostack cups are designed to minimize weight and maximize strength when properly seated.
2. **Install Upper Cup (if not pre-installed):** If your frame requires pressing in the upper cup, use a headset press to carefully install it into the top of the 44mm head-tube. Ensure it is fully seated and aligned.
3. **Grease the Bearing Seat:** Apply a thin layer of bicycle grease to the bearing seat inside the upper cup.
4. **Insert Top Bearing:** Place the top bearing into the upper cup. Ensure it is oriented correctly (sealed side typically facing up or as indicated by manufacturer markings).
5. **Install Compression Ring:** Slide the compression ring over the fork steerer tube, ensuring it sits directly on top of the bearing. The updated compression ring design is engineered to evenly distribute clamping forces on the steerer, making it suitable for carbon steerers.
6. **Place Top Cover:** Position the short cover top over the compression ring and bearing.
7. **Install Spacers and Stem:** Slide any required headset spacers onto the steerer tube, followed by the stem. Ensure there is a small gap (2-3mm) between the top of the steerer tube and the top of the stem or highest spacer.
8. **Install Top Cap and Bolt:** Install the top cap and its bolt. Tighten the top cap bolt just enough to remove play from the headset, allowing the fork to rotate freely without binding. Do not overtighten.
9. **Align and Tighten Stem:** Align the stem with the front wheel. Tighten the stem's steerer clamp bolts to the manufacturer's recommended torque specifications, typically found on the stem itself or in its manual. Use a torque wrench for accuracy.
10. **Final Check:** With the front brake applied, rock the bike back and forth. There should be no play or knocking in the headset. Turn the handlebars from side to side to ensure smooth, unrestricted movement.

4. OPERATING INSTRUCTIONS

Once installed, the Cane Creek 110-Series Zerostack headset top requires no specific "operation" beyond ensuring it functions correctly. The primary operational aspect is maintaining proper adjustment.

- **Regular Checks:** Periodically check for any play in the headset by applying the front brake and rocking the bike. If play is detected, re-adjust the headset by loosening stem bolts, tightening the top cap bolt slightly, and then re-tightening stem bolts to spec.
- **Smooth Steering:** The steering should feel smooth and unrestricted. If it feels notchy or stiff, the headset may be overtightened or require maintenance.

5. MAINTENANCE

Regular maintenance extends the life and ensures the optimal performance of your Cane Creek headset.

- **Cleaning:** Keep the area around the headset clean. Dirt and grime can ingress into the bearings and seals, causing

premature wear.

- **Inspection:** Annually, or more frequently if riding in wet or dirty conditions, disassemble the headset. Inspect bearings for pitting, corrosion, or roughness. Inspect cups for wear.
- **Lubrication:** Clean old grease from bearings and cups. Apply fresh, high-quality bicycle grease to the bearings and bearing seats before reassembly.
- **Torque Checks:** Periodically check that stem bolts are torqued to specification.

6. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

Problem	Possible Cause	Solution
Headset Play (Knocking)	Loose top cap bolt or stem bolts. Insufficient spacers.	Re-adjust headset: Loosen stem bolts, tighten top cap bolt to remove play, then re-tighten stem bolts to spec. Ensure proper steerer tube length and spacer stack.
Stiff or Notchy Steering	Headset overtightened. Damaged or dry bearings.	Loosen top cap bolt slightly and re-check. If issue persists, disassemble, clean, inspect, and re-grease bearings. Replace bearings if damaged.
Creaking Noise	Dry interfaces (stem/steerer, headset cups/frame). Loose components.	Disassemble, clean, and lightly grease all contact surfaces (except carbon steerer clamp area unless specified by fork manufacturer). Reassemble and torque to spec.

7. SPECIFICATIONS

Key technical specifications for the Cane Creek 110-Series Zerostack Short Cover Top:

- **Model Name:** 110-Series Upper
- **Part Number:** BAA0151K
- **Head-Tube Compatibility:** 44mm Internal Diameter (Zerostack)
- **Steerer Tube Compatibility:** 1-1/8-Inch (Straight)
- **Material:** Aluminum
- **Color:** Black
- **Item Weight:** Approximately 0.18 Pounds (82 grams)
- **Item Dimensions (LxWxH):** Approximately 2.17 x 2.17 x 1.77 inches
- **Included Components:** Headset Upper Assembly

8. WARRANTY INFORMATION

Cane Creek products are manufactured to high standards. This product comes with a Limited Warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the official Cane Creek website or contact their customer support directly. Keep your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

For further assistance, technical questions, or to view additional product resources, please visit the official Cane Creek

website:

www.canecreek.com

You may also contact Cane Creek customer service through the contact information provided on their website.

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

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