Cannondale CP2203U1080

Cannondale C1 Conceal Road Bike Stem

Model: CP2203U1080

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Cannondale C1 Conceal Road Bike Stem. Please read these instructions carefully before installation to ensure optimal performance and safety.

Figure 1: The Cannondale C1 Conceal Road Bike Stem. This image displays the stem's sleek black finish, the Cannondale branding, and the four-bolt faceplate for handlebar attachment. The integrated design for cable routing is also visible.

Product Features

The Cannondale C1 Conceal Road Bike Stem is engineered for performance and aesthetics, offering advanced cable management solutions.

- **Integrated Cable Routing:** Designed to accommodate internal and semi-internal cable routing, reducing aerodynamic

drag and providing a clean appearance.

- **Material:** Constructed from durable 7075 aluminum for strength and lightweight performance.
- **Angle:** Features a +6 degree rise for a balanced riding position.
- **Clamp Diameter:** Compatible with handlebars featuring a 31.8 mm clamp diameter.
- **Fork Compatibility:** Cable management is optimized for Delta fork shaft tubes.
- **Color:** Black finish.

Setup and Installation

Proper installation is crucial for safety and performance. If you are unsure about any step, consult a professional bicycle mechanic.

1. **Preparation:** Ensure your steerer tube is clean and free of grease. Apply a thin layer of carbon assembly paste if recommended by your fork or handlebar manufacturer.
2. **Steerer Tube Installation:** Slide the stem onto the fork's steerer tube. Ensure the stem is oriented correctly (Cannondale logo facing forward).
3. **Handlebar Installation:** Remove the faceplate bolts and faceplate. Position your 31.8 mm handlebar in the stem clamp. Reinstall the faceplate and lightly thread the bolts.
4. **Cable Routing:** If utilizing internal or semi-internal cable routing, carefully route your brake and shift cables through the designated channels in the stem and frame according to your bicycle's specifications.
5. **Alignment:** Align the stem with the front wheel.
6. **Tightening Steerer Clamp Bolts:** Tighten the steerer clamp bolts evenly and progressively to the manufacturer's recommended torque specifications. Typically, these are around 5-6 Nm, but always refer to your fork manufacturer's guidelines.
7. **Tightening Faceplate Bolts:** Tighten the handlebar faceplate bolts evenly in a cross pattern to the manufacturer's recommended torque specifications. Typically, these are around 5-6 Nm, but always refer to your handlebar manufacturer's guidelines.
8. **Final Check:** Ensure all bolts are securely tightened and the stem and handlebar are properly aligned and do not rotate under firm pressure.

Warning: Overtightening bolts can damage components. Undertightening can lead to component slippage and loss of control. Always use a torque wrench.

Operating Considerations

The Cannondale C1 Conceal Stem is a static component designed to securely connect your handlebar to your bicycle's fork. Its primary function is to provide a stable and ergonomic interface for steering and control.

- **Riding Position:** The +6 degree angle contributes to the overall riding position. Ensure this angle is suitable for your comfort and performance needs.
- **Cable Management:** The integrated cable routing system helps protect cables from external elements and provides a clean aesthetic. Ensure cables are routed smoothly without kinks or excessive tension.
- **Compatibility:** This stem is designed for 31.8 mm handlebars and Delta fork shaft tubes. Using incompatible components may compromise safety and performance.

Maintenance

Regular maintenance ensures the longevity and safe operation of your stem.

- **Regular Inspection:** Periodically inspect the stem for any signs of damage, cracks, or corrosion. Check bolts for tightness before each ride.
- **Cleaning:** Clean the stem with a soft cloth and mild soap and water. Avoid harsh chemicals or abrasive cleaners that could damage the finish.
- **Bolt Torque Check:** Re-check all stem and faceplate bolts with a torque wrench every few months or after any significant impact or adjustment. Adhere to the recommended torque specifications.
- **Cable Routing Check:** Ensure that internally routed cables move freely and are not pinched or rubbing against the stem's internal surfaces.

Troubleshooting

Problem	Possible Cause	Solution
Handlebar slips or rotates	Faceplate bolts are loose or improperly torqued.	Re-torque faceplate bolts to manufacturer's specifications using a torque wrench. Ensure proper installation of the faceplate.
Stem rotates on steerer tube	Steerer clamp bolts are loose or improperly torqued.	Re-torque steerer clamp bolts to manufacturer's specifications using a torque wrench.
Creaking noise from stem area	Loose bolts, dry interfaces, or improper assembly paste.	Check and re-torque all stem and faceplate bolts. Disassemble, clean, apply appropriate assembly paste (if applicable), and reassemble.
Difficulty with internal cable routing	Cables are kinked, too long/short, or improperly guided.	Inspect cable path for obstructions or sharp bends. Ensure cables are cut to the correct length. Consult a professional mechanic if issues persist.

Specifications

Feature	Detail
Brand	Cannondale
Model Number	CP2203U1080
Material	7075 Aluminum
Angle	+6 degrees
Clamp Diameter	31.8 mm
Color	Black
Available Sizes	80 mm, 90 mm, 100 mm, 110 mm (This specific model is 80mm)
Cable Management	Optimized for Delta fork shaft tube, accepts internal and semi-internal routing
Item Package Dimensions	0.39 x 0.39 x 0.39 inches
Package Weight	0.01 Kilograms

Warranty Information

Cannondale products are manufactured to high standards. For specific warranty terms and conditions, please refer to the official Cannondale website or contact their customer support. Keep your proof of purchase for any warranty claims.

Customer Support

For further assistance, technical questions, or service inquiries, please visit the official Cannondale website or contact their authorized service centers. Always refer to official Cannondale resources for the most accurate and up-to-date information.

Note: This manual is intended as a general guide. Specific torque values and installation procedures may vary based on your bicycle's frame, fork, and handlebar components. Always consult the specific instructions provided with those components.

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