

## DownLow Dropper Seat Post

### Specifications

Product Codes	Seat Post Dia.	Upper Tube Length (2)	Full Length
CP2109U34	31.6mm	100 mm	340mm
CP2209U39		125mm	390mm
CP2309U44		150mm	440mm
Minimum Seat Post Insertion		100 mm	
Saddle Rail Compatibility		7x7 mm and 7x9 mm	
Cable Compatibility		4mm shifter housing/cable	
<p><b>▲ Intended Use:</b> ASTM CONDITION 1-4, All-Mountain. <b>Not Intended:</b> Do not use for Downhill, Freeride, Dirt Jump, and in other aggressive riding styles conditions.</p>			

### Identification

- |                 |                    |
|-----------------|--------------------|
| 1. Seat Clamp   | 6. Barrel Adjuster |
| 2. Upper Tube   | 7. Ferrule Ends    |
| 3. Lower Tube   | 8. Cable Housing   |
| 4. Actuator     | 9. Cable Head      |
| 5. Remote Lever | 10. Shifter Cable  |

### Required Tools

- Safety Eye Glasses, Shop Work Gloves
- Hex Keys: 1.5mm, 3mm, 5mm
- Bike Cable/Housing Cutter
- Torque Wrench

### Installation

1. Install the remote lever (5) on the handlebar. Ensure the remote lever does not interfere with other controls. Use a 3 mm hex key to tighten the handlebar clamp to 1.6 N·m.
2. Cut 4mm shifter housing to a length appropriate for the frame size and frame manufacturer's recommended routing. Housing should extend from the bottom of seat post to the handlebar lever barrel adjuster (6). Install ferrules (7) at both ends of the housing.
3. Route the housing according to your frame manufacturer's recommendation.
4. With the DownLow dropper post removed from the frame, install the cable head (9) in actuator (4). Ensure that the cable head is fully seated in the actuator as shown.
5. Route the cable from the DownLow dropper post through the housing to the handlebar mounted remote lever.

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6. Using a thin coating of friction paste for carbon frames and NGLI-2 synthetic assembly grease for metal frames on the outer tube of the post.

Install the DownLow dropper post in the frame. Be sure to observe any maximum seat post insertion requirements specified by the frame manufacturer.

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8. Tighten the DownLow dropper post using the clamping mechanism on the frame. Tighten to the manufacturer's specified torque.
9. Lightly tension the cable and anchor the cable at the lever using a 1.5 mm hex key to tighten the set screw to 1.2 N-m.
10. Use the barrel adjuster (6) on the lever to take up any slack in the cable. Cut excess cable at the lever and use a cable end crimp to prevent fraying.
11. Install the saddle rails between the saddle clamp (1). Using a 5 mm hex key, tighten the clamps evenly around the rails of the saddle between 8-10 N-m. Be sure to also observe any torque specifications from your saddle manufacturer.
12. Test the DownLow dropper post for function. Sit on the saddle with the DownLow dropper post fully extended. If the saddle drops with without pushing the lever, decrease cable tension by turning the barrel adjuster counter-clockwise. Push the lever. If the saddle does not drop, increase cable tension by turning barrel adjuster clockwise.

## How to Use the Seat Post

A dropper post allows you to set variable saddle heights while you are riding. Varying saddle heights are helpful when ascending (higher saddle) and descending (lower saddle).

If you press and hold the handle bar lever with your weight off the saddle, the saddle will rise stopping when your weight stops the saddle. Release the lever and the upper tube will hold the saddle in the position.

If you are seated on the saddle and press the lever, your weight will cause the saddle height to drop until you release the lever.

## Maintenance

Item	Frequency/Interval	Performed By
Damage Inspection	Before Every Ride	Owner
Clean Exterior	Before Every Ride	Owner
Lever Action/Function Test	Before Every Ride	Owner
Check Fastener Torque	First Ride and Every 4-5 Rides	Owner
Full Service (Cartridge Inspection/ Telescope Rebuild)	Every 100 Hours/ Annually	Authorized Cannondale Dealer or Authorized Headshok Service Center

Please note: Shorter service intervals are recommended for riders seeking the highest possible performance or who experience the following situations:

- High frequency of riding
- Adverse conditions while riding
- Bicycle storage in an area of high humidity, large temperature changes or outdoor conditions

## Important Warnings

### WARNING

**INTENDED USE:** Using this product the wrong way is dangerous. Use of this product is limited to the terrain, activity and rider experience described in the ASTM Condition indicated in Specifications. For more information about Intended Use and ASTM Conditions 1-5, go to [www.cannondale.com](http://www.cannondale.com).

**COMPATIBILITY:** Seat post for frames directly accepting a 31.6mm diameter seat post. Do not use adapters or shims, or modify the seat post or bike frame in any way. The seat post should always be a slide fit in the frame. If the seat post is difficult to install, there is a serious problem. Never force a seat post into a frame. If you encounter a problem, ask your Authorized Cannondale Dealer for help.

**USE A TORQUE WRENCH:** Always use a high-quality torque wrench. Do not exceed the torque specified for any component including saddle rails, seat post head or any adjusting hardware. Over or under tightening can result in serious damage and part failure leading to an accident. If you do not own a torque wrench or know how to use one, seek the assistance of your Authorized Cannondale Dealer.

**OBSERVE THE "MINIMUM INSERT":** At all times, the seat post must be inserted into the frame a minimum of 100mm. This length is indicated on the seat post by the "MINIMUM INSERT" mark. Consult the frame manufacturer's seat post instructions. If the frame can not accept the minimum seat post insert depth, the seat post cannot be used.

#### STOP USING THE Seat post IMMEDIATELY IF YOU:

- Observe any damage like bending, cracking, denting, or discoloration fluid leakage, frayed cable/housing, loose or missing parts, deep scratches, or if the seat post does not function normally.
- If the seat post sustains a major impact or is involved in a crash. After any crash, fall, or impact or undue stress. If it is damaged, it must be inspected before use, or replaced.

**CLEANING:** Clean using dry shop towel only: Never use solvents, spray oils, or chemical spray cleaners to clean. Do not pressure wash.

**YOU CAN BE SEVERELY INJURED, PARALYZED OR KILLED IN AN ACCIDENT IF YOU IGNORE THIS WARNING.**

## Your Authorized Cannondale Dealer

To make sure your bike is serviced and maintained correctly, and that you protect applicable warranties, please coordinate all service and maintenance through your Authorized Cannondale Dealer.

### NOTICE

Unauthorized service, maintenance, or repair parts can result in serious damage and void your warranty.

## Contacting Cannondale

### Cannondale USA

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