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> Cane Creek Thudbuster LT G4 Suspension Seatpost User Manual

## Cane Creek Thudbuster LT G4

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Models: SP7A272, SP7A309, SP7A316

## 1. PRODUCT OVERVIEW

The Cane Creek Thudbuster LT G4 is an advanced bicycle suspension seatpost designed to provide maximum comfort and shock absorption. Utilizing proven parallel linkage technology, it offers up to 90mm of travel, making it suitable for road, gravel, and electric bicycles. Its design focuses on increased durability, a higher rider weight limit, and user-friendly features like tool-free elastomer changes and a single-bolt seat clamp.

### Key Features:

- Patented Parallel-Linkage Technology
- Versatile Tunability for rider weight and preference
- Reliable Durability
- Easy Serviceability
- Widespread range of application





Figure 1: Cane Creek Thudbuster LT G4 Suspension Seatpost (SP7A272 model shown).

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your Thudbuster seatpost. Please follow these steps carefully.

## 2.1 Pre-Installation Steps

1. **Record Current Saddle Position:** Before removing your old seatpost, measure and note your current saddle height, fore/aft position, and tilt angle. This will help you replicate your preferred riding position with the new Thudbuster.
2. **Remove Old Seatpost:** Loosen the seatpost clamp on your bicycle frame and carefully remove your existing saddle and seatpost.
3. **Confirm Diameter:** Ensure your new Thudbuster seatpost (or shim) diameter matches your bicycle's seat tube. Thudbuster seatposts are available in 27.2mm, 30.9mm, and 31.6mm direct fit sizes.
4. **Apply Grease:** Apply a light, even coat of bicycle-specific grease to the insertion portion of the Thudbuster seatpost. *Do not lubricate the seat tube of carbon frames unless specified by the manufacturer.*
5. **Install Shim (if applicable):** If using a shim (sold separately), insert it into the bicycle frame's seat tube. Align the split in the shim with the split in the seat tube.

## 2.2 Seatpost and Saddle Installation

1. **Insert Thudbuster into Frame:** Carefully slide the Thudbuster into your bicycle's seat tube. The seatpost is directional: the laser-etched height lines should face the front of the bicycle, and the gold elastomer release button should be at the back. Be mindful of the minimum insertion height marked on the seatpost.
2. **Attach Saddle:** Loosen the 5mm bolt on the seat clamp just enough to slide your saddle rails onto the seatpost clamp. It is not necessary to completely remove the bolt. If the bolt is fully removed and the clamp assembly disconnects, refer to the exploded diagram in the original product instructions for proper reassembly. The inner and outer clamps should be oriented so saddle rails can be inserted from the top.
3. **Tighten Seat Clamp Bolt:** With both saddle rails installed, squeeze the seat clamp together and begin to tighten the 5mm bolt. Ensure your saddle tilt angle is correct before fully tightening. Tighten to a maximum of 16 Nm.
4. **Adjust Height and Orientation:** Once installed, measure your desired saddle height and adjust as needed. Make final adjustments to the orientation of your saddle and seatpost height for a comfortable riding position.

## 2.3 Installation Video Guide

For a visual guide on installing your Thudbuster LT G4 seatpost and saddle, please watch the official installation video below.

*Video 1: New Thudbuster LT installation, and seat installation guide by Cane Creek Cycling Components. This video demonstrates the step-by-step process for installing the Thudbuster seatpost and attaching a bicycle saddle.*

## 3. OPERATING AND TUNABILITY

The Thudbuster LT G4 can be tuned to different rider weights and riding styles by selecting the appropriate elastomer. The seatpost is shipped with a medium elastomer installed.

### 3.1 Elastomer Selection Guide

Refer to the table below to select the correct elastomer firmness based on rider weight. Additional elastomers are sold separately.

Rider Weight (lbs)	Rider Weight (kg)	Elastomer Recommendation
<140 lbs	<65 kg	Extra Soft (Sold Separately)
120-170 lbs	55-75 kg	Soft (Sold Separately)
150-200 lbs	65-90 kg	Medium (Installed)
180-230 lbs	80-100 kg	Firm (Sold Separately)
210-250 lbs	95-115 kg	Extra Firm (Sold Separately)

Table 1: Elastomer Recommendation by Rider Weight.

To identify the firmness of an elastomer, look for the rectangular markings on the elastomer wing. The number of dots indicates firmness (e.g., three dots for Medium, four for Firm).

## 4. MAINTENANCE

### 4.1 Changing Elastomers

Elastomers can be changed without any disassembly of the seatpost. This allows you to adjust the firmness rating to match your rider weight and preference. *Never use a softer elastomer than recommended for your weight.*

- Compress the Seatpost:** Firmly press down on the saddle to compress the elastomer and allow the pivot arms to move.
- Press Release Button:** While the seatpost is compressed, press the gold release button located on the back of the seatpost. This will unlock the pivot arms.
- Rotate Elastomer:** Twist the elastomer so that its wings stick out of the pivot arms.
- Remove Elastomer:** While the pivot mechanism is loose, remove the original elastomer.
- Install New Elastomer:** Insert the replacement elastomer in the opposite order of removal. Ensure the elastomer is oriented correctly with the "TOP" and "BOTTOM" markings embossed on the elastomer itself. The elastomer must be fully seated inside the arms.
- Re-engage Release Button:** Push down on the saddle until the gold release button re-engages, locking the pivot arms.

For a visual demonstration of changing elastomers, refer to the latter part of the installation video in Section 2.3.

### 4.2 General Care

Regular cleaning and inspection will extend the life of your Thudbuster. Keep the seatpost clean, especially around the pivot points and elastomer. If riding in muddy conditions, consider using a fender or a Cane Creek Thudglove neoprene boot to protect the pivots.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Thudbuster seatpost.

- Saddle Rails Not Seating Properly:** Ensure the 5mm bolt on the seat clamp is sufficiently loosened to allow the saddle rails to slide in. The inner and outer clamps must be correctly oriented.
- Seat Clamp Assembly Disconnected:** If the seat clamp bolt is completely removed, the assembly

may disconnect. Refer to the exploded diagram in the original product instructions for proper reassembly of the components (saddle clamp, spring, bolt).

- **Pivot Arms Stuck Forward/Backward (during elastomer change):** If the pivot arms are pushed too far forward or backward and the gold release button does not engage, press the release button from the *inside* of the pivot arms to reposition them for elastomer installation.
- **Saddle Slipping/Tilting:** Ensure the 5mm seat clamp bolt is tightened to the specified 16 Nm maximum torque. Verify that all components of the clamp are installed as per the diagram.

## 6. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.07"W x 15.35"H (approx. for 27.2mm model)
Available Diameters	27.2mm, 30.9mm, 31.6mm
Material	Aluminum Alloy
Color	Black
Item Weight	2.14 Pounds (approx.)
Maximum Travel	Up to 90mm
Maximum Allowable Rider Weight	330 lbs (150 kg)

## 7. WARRANTY INFORMATION

The Cane Creek Thudbuster LT G4 seatpost is covered by a manufacturer's warranty. The product will be replaced if it is broken or defected from the factory. For specific warranty claims or details, please retain your proof of purchase and contact Cane Creek customer support.

## 8. SUPPORT

If you have any additional questions about your Cane Creek Thudbuster LT G4 Suspension Seatpost, or require further assistance with installation, operation, or maintenance, please feel free to reach out to a Cane Creek representative. We are happy to help.

### Contact Information:

Visit the official Cane Creek website for support resources and contact details.

Refer to the product packaging for direct contact information.