

[Manuals.plus](#) /

› [Crankbrothers](#) /

› Crank Brothers Highline 3 Dropper Seatpost Instruction Manual - 100mm Travel, 27.2mm Diameter

Crankbrothers 16468

Crank Brothers Highline 3 Dropper Seatpost Instruction Manual

Model: 16468

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Crank Brothers Highline 3 Dropper Seatpost. The Highline 3 is designed to offer cyclists infinite seat height adjustment, smooth performance, and straightforward installation. It features advanced sealing, durable bearings, and a reliable hydraulic cartridge for consistent functionality.





Figure 1: Crank Brothers Highline 3 Dropper Seatpost. This image shows the complete dropper seatpost assembly, including the main shaft, saddle clamp, and the attached control cable, ready for installation.

2. SAFETY INFORMATION

Read all instructions carefully before installation and use. Failure to follow these instructions may result in product damage, property damage, or personal injury.

- Always wear appropriate safety gear when working on your bicycle.
- If you are unsure about any part of the installation or maintenance process, consult a qualified bicycle mechanic.
- Ensure all bolts are tightened to the manufacturer's specified torque settings. Overtightening or undertightening can lead to component failure.
- Regularly inspect the seatpost and cable for signs of wear or damage. Replace worn or damaged parts immediately.
- Do not attempt to disassemble the hydraulic cartridge. It is a sealed unit.
- Keep hands and fingers clear of moving parts during operation.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Crank Brothers Highline 3 Dropper Seatpost (1 unit)
- Instruction Manual (this document)
- *Note: Remote lever and cable housing are typically sold separately.*

4. SETUP & INSTALLATION

Proper installation is crucial for the performance and longevity of your Highline 3 dropper seatpost.

4.1 Pre-Installation Checks

- **Compatibility:** Ensure your bicycle frame has the correct seat tube diameter (27.2mm for this model) and sufficient insertion depth for the dropper post.
- **Cable Routing:** Determine if your frame supports internal or external cable routing. The Highline 3 is designed for internal routing.
- **Tools Required:** Torque wrench, hex keys (various sizes), cable cutters, grease, clean rags.

4.2 Seatpost Installation

1. **Prepare Seat Tube:** Clean the inside of your bicycle's seat tube. Apply a thin layer of grease to the lower portion of the dropper post shaft that will be inserted into the frame.
2. **Insert Seatpost:** Carefully slide the Highline 3 dropper seatpost into the seat tube. Do not force it. Ensure the minimum insertion line on the seatpost is not visible above the frame.
3. **Secure Seatpost:** Tighten your frame's seatpost collar bolt to the manufacturer's specified torque. *Do not overtighten, as this can damage the dropper post or cause it to malfunction.*



Figure 2: Crank Brothers Highline 3 Dropper Seatpost in extended position. This image highlights the sleek design of the seatpost when fully extended, showing the saddle clamp mechanism at the top.

4.3 Cable & Remote Installation

The Highline 3 features a quick-connect mechanism for simplified cable installation.

1. **Route Cable Housing:** Route the cable housing from your remote lever (sold separately) through your frame to the base of the dropper seatpost. Ensure there are no sharp bends or kinks in the housing, as this can impede operation.
2. **Connect Cable to Seatpost:** Utilize the quick-connect mechanism at the bottom of the seatpost. Insert the cable end into the actuator. Refer to the detailed diagram in the remote lever's manual for precise connection.
3. **Connect Cable to Remote:** Attach the other end of the cable to your remote lever according to the remote's instructions.
4. **Adjust Cable Tension:** Adjust the cable tension at the remote lever or inline adjuster until the dropper post actuates smoothly and returns fully. Ensure the cable is not too tight, which could cause the post to sag or not extend fully.



Figure 3: Detail of the Crank Brothers Highline 3 Dropper Seatpost saddle clamp. This close-up view shows the two-bolt saddle clamp design and the 60mm stack height, indicating the distance from the top of the seatpost collar to the saddle rails.

4.4 Saddle Installation

1. **Attach Saddle:** Place your saddle rails into the clamp mechanism at the top of the dropper post.
2. **Adjust Saddle Position:** Adjust the saddle's fore/aft position and tilt to your preference.
3. **Tighten Clamp Bolts:** Tighten the saddle clamp bolts to the specified torque (typically 9Nm, as indicated on the clamp). Ensure even tightening.

5. OPERATING INSTRUCTIONS

The Highline 3 dropper seatpost offers infinite adjustment within its travel range.

- **To Lower the Seatpost:** While seated on the saddle, press the remote lever. The seatpost will compress under your weight. Release the lever at your desired height.
- **To Raise the Seatpost:** Press the remote lever while unweighted from the saddle. The seatpost will extend to its full height. Release the lever to lock it in place.
- **Infinite Adjustment:** The hydraulic cartridge allows for stopping the seatpost at any point within its 100mm travel by releasing the remote lever.
- **Linear Actuator:** The linear actuator ensures a consistent and fast return speed.

6. MAINTENANCE

Regular maintenance will ensure optimal performance and extend the lifespan of your dropper seatpost.

- **Cleaning:** After each ride, especially in wet or dusty conditions, wipe down the exposed shaft of the seatpost with a clean, damp cloth. Avoid using harsh chemicals or pressure washers directly on the seals.
- **Lubrication:** Apply a small amount of suspension-specific lubricant or silicone spray to the exposed shaft and wiper seal periodically. Cycle the post a few times to distribute the lubricant.
- **Cable Inspection:** Regularly check the control cable and housing for fraying, kinks, or corrosion. Replace if any damage is observed to maintain smooth operation.
- **Bolt Torque:** Periodically check the torque of the saddle clamp bolts and seatpost collar bolt.
- **Seal Integrity:** The Highline 3 uses Trelleborg Premium seals. While durable, inspect them for cracks or tears. If seals appear damaged, professional servicing may be required.
- **Igus LL-glide Bearings:** These internal bearings are designed for durability and smooth operation. If you notice excessive play or friction, professional servicing is recommended.

7. TROUBLESHOOTING

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

7.1 Post Sags or Does Not Hold Position

- **Cause:** Cable tension too high, seatpost collar overtightened, or internal cartridge issue.
- **Solution:**
 - a. Reduce cable tension slightly at the remote lever or inline adjuster.
 - b. Ensure the seatpost collar is tightened to the frame manufacturer's recommended torque, but not excessively.
 - c. If the issue persists, the internal hydraulic cartridge may require professional inspection or replacement.

7.2 Post Does Not Extend Fully or Is Slow to Return

- **Cause:** Insufficient cable tension, friction in cable housing, seatpost collar overtightened, or low air pressure (though this model uses a hydraulic cartridge, external factors can mimic this).
- **Solution:**
 - a. Increase cable tension slightly.
 - b. Check cable housing for kinks, sharp bends, or contamination. Replace housing and cable if necessary. Ensure the housing is new and free of imperfections.
 - c. Verify seatpost collar torque.
 - d. Clean and lubricate the exposed shaft and wiper seal.

7.3 Remote Lever Is Difficult to Actuate

- **Cause:** Friction in cable housing, cable binding, or improper cable routing.
- **Solution:**
 - a. Inspect the entire length of the cable and housing for any bends, kinks, or damage. Replace with new housing and cable if any issues are found.
 - b. Ensure cable routing within the frame is smooth and does not create excessive friction.
 - c. Verify the cable connection at the seatpost actuator is clean and free of debris.

8. SPECIFICATIONS

Feature	Detail
Brand	Crankbrothers
Model Number	16468
Type	Dropper Seatpost
Travel	100 mm (3 inches)
Diameter	27.2 mm
Material	Aluminum
Color	Black
Weight	459 Grams (1.85 Pounds)
Dimensions (L x W x H)	50.8 x 14.61 x 8.26 cm
Cable Routing	Internal (requires remote lever, sold separately)
Seals	Trelleborg Premium
Bearings	Igus LL-glide
Cartridge	Self-contained hydraulic
UPC	641300164681

9. WARRANTY & SUPPORT

Crank Brothers products are manufactured to high standards. For specific warranty information, please refer to the official Crank Brothers website or contact their customer support directly.

For technical assistance, spare parts, or service inquiries, please visit the Crank Brothers official website or contact their authorized service centers.

© 2023 Crank Brothers. 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