

microSHIFT RD-M62L

microSHIFT XLE Rear Derailleur (RD-M62L) 10-Speed Long Cage Instruction Manual

Model: RD-M62L

1. INTRODUCTION

This instruction manual provides guidance for the proper installation, adjustment, and maintenance of your microSHIFT XLE Rear Derailleur. This component is designed for 10-speed bicycle drivetrains and features a long cage for compatibility with a wide range of cassettes.

The microSHIFT XLE Rear Derailleur is engineered for enhanced chain stability and efficient gear changes across various terrains. It is compatible with 10 and 11-speed mountain shifters and supports wide-range cassettes.



Figure 1: microSHIFT XLE Rear Derailleur (Model RD-M62L)

2. SETUP AND INSTALLATION

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

2.1 Compatibility

- **Drivetrain Speeds:** 10-speed systems.
- **Shifter Compatibility:** Compatible with 10 and 11-speed mountain shifters (e.g., DynaSys compatible).
- **Cassette Compatibility:** Designed for wide-range cassettes.
- **Largest Cog Capacity:** Up to 44 teeth (for 1x and 2x systems).

- **Triple Crankset Compatibility:** Supports triple setups with a maximum 40-tooth cassette.
- **Chain Wrap Capacity:** 47 teeth.

2.2 Mounting the Derailleur

1. Ensure your bicycle frame has a standard derailleur hanger. The derailleur uses a 10x1 standard mount (direct mount to hanger).
2. Thread the derailleur mounting bolt into the derailleur hanger.
3. Tighten the mounting bolt to the manufacturer's specified torque (typically 8-10 Nm). Do not overtighten.

2.3 Cable Installation and Adjustment

1. Route the shifter cable through the frame and housing to the derailleur.
2. Secure the cable to the derailleur's cable anchor bolt.
3. Adjust the high (H) and low (L) limit screws to prevent the chain from shifting beyond the smallest and largest cogs, respectively.
4. Adjust cable tension using the barrel adjuster to ensure smooth and precise shifting across all gears.
5. Perform a final check of all adjustments and ensure the chain moves freely without rubbing.

3. OPERATING THE DERAILLEUR

The microSHIFT XLE Rear Derailleur works in conjunction with your shifter to move the chain across the rear cassette cogs, allowing you to select different gear ratios.

- **Shifting Up:** Use your shifter to move the chain to a smaller cog (higher gear).
- **Shifting Down:** Use your shifter to move the chain to a larger cog (lower gear).
- Always pedal forward while shifting to ensure smooth and efficient gear changes. Avoid shifting under heavy load.
- The strong spring tension of the XLE derailleur contributes to enhanced chain stability, reducing chain slap and improving retention on rough terrain.

4. MAINTENANCE

Regular maintenance extends the lifespan and ensures the reliable performance of your derailleur.

- **Cleaning:** Keep the derailleur, especially the pulley wheels and cage, clean from dirt and grime. Use a brush and appropriate degreaser, then rinse and dry.
- **Lubrication:** Periodically lubricate the pivot points of the derailleur and the chain. Use a bicycle-specific lubricant.
- **Cable and Housing:** Inspect the shifter cable and housing for fraying, kinks, or corrosion. Replace them if necessary to maintain smooth shifting.
- **Pulley Wheels:** Check the pulley wheels for wear. Worn pulley wheels can lead to poor shifting and increased chain noise. Replace them if the teeth are significantly worn or damaged.
- **Derailleur Hanger:** Ensure the derailleur hanger is straight. A bent hanger is a common cause of poor shifting and can be straightened by a professional mechanic.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your rear derailleur.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Poor Shifting / Slow Shifting	<ul style="list-style-type: none"> Incorrect cable tension Bent derailleur hanger Worn cable or housing Dirty or dry derailleur/chain Incorrect limit screw adjustment 	<ul style="list-style-type: none"> Adjust barrel adjuster for proper cable tension. Check and straighten derailleur hanger. Replace cable and housing. Clean and lubricate derailleur and chain. Re-adjust H and L limit screws.
Chain Rubs on Derailleur Cage	<ul style="list-style-type: none"> Incorrect B-tension adjustment Bent derailleur hanger 	<ul style="list-style-type: none"> Adjust B-tension screw to set proper gap between upper pulley and largest cog. Check and straighten derailleur hanger.
Chain Drops Off Smallest/Largest Cog	<ul style="list-style-type: none"> Incorrect limit screw adjustment 	<ul style="list-style-type: none"> Re-adjust H (high) and L (low) limit screws.

For persistent issues, it is recommended to consult a qualified bicycle mechanic.

6. SPECIFICATIONS

Model Name	RD-M62L
Part Number	MSH-RD-M62L
Brand	microSHIFT
Drivetrain Speeds	10-Speed (compatible with 10 and 11-speed mountain shifters)
Cage Length	Long Cage
Largest Cog Capacity	42 teeth (for 1x/2x systems), 40 teeth (for triple systems)
Chain Wrap Capacity	47 teeth
Rear Derailleur Mount Type	10x1 Standard (Braze-On Mount)
Color	Black
Material	Metal
Item Weight	281g
Package Dimensions (L x W x H)	6.26 x 3.11 x 2.87 inches
Item Dimensions (L x W x H)	5.99 x 6.23 x 2.87 inches

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The microSHIFT XLE Rear Derailleur is covered by a **Limited Warranty**. For specific terms, conditions, and duration of the warranty, please refer to the official microSHIFT website or contact their customer service directly.




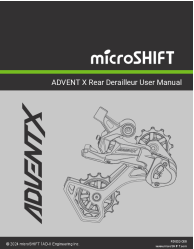
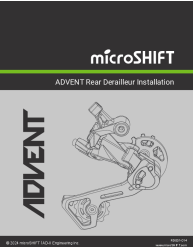
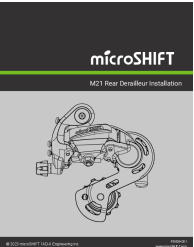
7.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact microSHIFT customer support

through their official channels. Contact information can typically be found on the microSHIFT website.



Related Documents - RD-M62L

	<p>microSHIFT R8, R9, R10 Rear Derailleur Installation Guide Bicycle Component Setup</p> <p>A detailed guide for installing and adjusting microSHIFT R8, R9, and R10 rear derailleurs on bicycles. Covers tools, attachment, cable routing, chain sizing, and limit screw adjustments for optimal performance.</p>
	<p>microSHIFT XLE-XCD Rear Derailleur Installation Manual</p> <p>Comprehensive installation guide for the microSHIFT XLE-XCD rear derailleur, covering attachment, adjustments, cable routing, and chain sizing for optimal bicycle performance.</p>
	<p>microSHIFT ADVENT 1x Rear Derailleur Installation Guide RD001-008</p> <p>Step-by-step installation instructions for the microSHIFT ADVENT 1x Rear Derailleur (model RD001-008). Covers tools, attachment, cable setup, limit and B-tension adjustments, chain sizing, and service parts.</p>
	<p>microSHIFT ADVENT X Rear Derailleur User Manual</p> <p>A comprehensive user manual for the microSHIFT ADVENT X Rear Derailleur, covering installation, adjustment, and troubleshooting. Includes detailed steps for attachment, limit screw adjustments, cable installation, chain sizing, and B-tension adjustment.</p>
	<p>microSHIFT ADVENT Rear Derailleur Installation Guide</p> <p>Comprehensive installation guide for the microSHIFT ADVENT rear derailleur, detailing steps for attachment, limit screw adjustments, cable routing, chain sizing, and shifting optimization. Includes required tools and version-specific instructions for bicycle mechanics.</p>
	<p>microSHIFT M21 Rear Derailleur Installation Guide</p> <p>This guide provides step-by-step instructions for installing the microSHIFT M21 Rear Derailleur. It covers necessary tools, derailleur attachment (standard and bracket mount), cable routing and installation, chain installation, and adjustment procedures including high limit, low limit, and B-tension settings. Includes important safety reminders.</p>

