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> SRAM X.4 8-Speed Trigger Shifter Set Instruction Manual

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Model: X.4 8-Speed Trigger Shifter Set

1. INTRODUCTION

The SRAM X.4 8-Speed Trigger Shifter Set is designed for mountain biking and trekking, offering reliable and precise gear changes for 3x8-speed drivetrains. Featuring SRAM's 1:1 Actuation Ratio technology, these shifters provide smooth and consistent performance, suitable for various riding conditions including trail, mountain, and cross-country cycling. Constructed from durable, lightweight materials, the X.4 shifters are built to withstand rugged terrain and resist corrosion, ensuring long-lasting operation.

2. WHAT'S IN THE BOX

Your SRAM X.4 8-Speed Trigger Shifter Set package includes the following components:

- One (1) SRAM X.4 Right 8-Speed Trigger Shifter
- One (1) SRAM X.4 Left 3-Speed Trigger Shifter (for triple front chainrings)
- Shifter Cables (pre-installed or included separately)

Note: Shifter housing is sold separately and is required for installation.

3. SETUP AND INSTALLATION

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

3.1 Required Tools

- Hex wrenches (typically 4mm, 5mm)
- Cable cutters
- Grease (for cable lubrication)
- Zip ties (optional, for cable management)

3.2 Mounting the Shifters

1. Remove existing shifters and grips from your handlebars.
2. Slide the new SRAM X.4 shifters onto the handlebars. Position them comfortably for easy thumb access to the trigger levers.
3. Tighten the shifter clamp bolts using a hex wrench. Do not overtighten. Ensure the shifters are secure but can still be rotated slightly for fine-tuning position.



Image 1: SRAM X.4 Right 8-Speed Trigger Shifter. This image shows the right-hand shifter, typically used for the rear derailleur, with its gear indicator window.

3.3 Cable Routing and Installation

1. Ensure the shifter is in its highest gear position (smallest number on the indicator for the rear shifter, or highest gear for the front shifter).
2. Insert the shifter cable into the designated port on the shifter body. Route the cable through the shifter housing (sold separately) and along your bike frame to the corresponding derailleur.
3. Attach the cable to the derailleur's cable anchor bolt. Pull the cable taut and tighten the anchor bolt securely.

4. Trim any excess cable, leaving approximately 2-3 cm (1 inch) beyond the anchor bolt. Install a cable end cap to prevent fraying.



Image 2: SRAM X.4 Left 3-Speed Trigger Shifter. This image displays the left-hand shifter, typically used for the front derailleur, showing its design for multiple chainrings.

3.4 Derailleur Adjustment

After cable installation, adjust your front and rear derailleurs according to the manufacturer's instructions to ensure smooth and accurate shifting across all gears. This typically involves setting limit screws and cable tension.

4. OPERATING THE SHIFTERS

The SRAM X.4 Trigger Shifters feature an ergonomic design for intuitive gear changes using your thumb.

4.1 Rear Shifter (Right Hand)

- **To shift to a higher gear (smaller cog, harder to pedal):** Press the smaller, upper trigger lever with your thumb.
- **To shift to a lower gear (larger cog, easier to pedal):** Press the larger, lower trigger lever with your thumb.

The gear indicator window will display the current gear selection.

4.2 Front Shifter (Left Hand)

- **To shift to a larger chainring (harder to pedal):** Press the larger, lower trigger lever with your thumb.
- **To shift to a smaller chainring (easier to pedal):** Press the smaller, upper trigger lever with your thumb.

The front shifter typically operates between 2 or 3 chainrings, depending on your bicycle's setup.

5. MAINTENANCE

Regular maintenance ensures the longevity and performance of your shifters.

- **Cleaning:** Periodically clean the shifters and surrounding handlebar area with a damp cloth. Avoid using harsh chemicals that could damage plastic components.
- **Cable Inspection:** Inspect shifter cables and housing for signs of wear, fraying, or corrosion. Replace damaged cables and housing promptly to maintain shifting performance.
- **Lubrication:** Apply a small amount of bicycle-specific lubricant to the pivot points of the shifter levers and to the inner cables where they enter the housing. This reduces friction and improves shifting smoothness.
- **Bolt Torque:** Periodically check the shifter clamp bolts to ensure they are tightened to the manufacturer's recommended torque specifications.

6. TROUBLESHOOTING

If you experience issues with your SRAM X.4 shifters, consider the following common solutions:

Problem	Possible Cause	Solution
Difficulty shifting gears	Incorrect cable tension, worn cables/housing, dirty derailleur, bent derailleur hanger	Adjust cable tension, replace cables/housing, clean derailleur, check/straighten derailleur hanger
Shifter feels stiff or sluggish	Lack of lubrication, dirty shifter mechanism, worn cables/housing	Lubricate shifter pivots and cables, clean shifter internals, replace cables/housing
Gear indicator not accurate	Incorrect cable tension, shifter not properly indexed	Adjust cable tension and derailleur indexing
Shifter levers are loose	Loose clamp bolt	Tighten shifter clamp bolt to recommended torque

For persistent issues, consult a qualified bicycle mechanic.

7. SPECIFICATIONS

- **Brand:** SRAM
- **Model:** X.4 Trigger Shifter Set
- **Speed Compatibility:** 3x8 Speed (Front: 3-speed, Rear: 8-speed)
- **Actuation Ratio:** ESP 1:1
- **Material:** Multi (Metal/Composite)
- **Color:** Black

- **Item Weight:** Approximately 0.2 Kilograms (200g)
- **Mounting Type:** Clamp-on (for flat handlebars)
- **Manufacturer Part Number:** 00.7015.093.000
- **UPC:** 710845609572

8. WARRANTY INFORMATION

SRAM products are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase for warranty claims. For detailed warranty information, please refer to the official SRAM website or contact SRAM customer support.

9. SUPPORT

For technical assistance, spare parts, or further inquiries regarding your SRAM X.4 8-Speed Trigger Shifter Set, please contact SRAM customer support or visit their official website. You may also consult your local authorized SRAM dealer or bicycle mechanic for professional service and advice.

SRAM Official Website: www.sram.com

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