

SRAM FBA_400000086

SRAM MRX Comp 6-Speed Rear Shifter Instruction Manual

Model: FBA_400000086

INTRODUCTION

The SRAM MRX Comp 6-Speed Rear Shifter is designed to provide reliable and precise gear changes for mountain bikes. This twist-style shifter is compatible with MTB rear derailleurs designed for 9 or fewer cogs, offering broad compatibility. Constructed from durable plastic and metal components, it features SRAM's GripShift technology for efficient and accurate shifting.

- Affordable and durable with GripShift technology.
- Ensures smooth, precise gear changes across 6 speeds.
- Compatible with MTB rear derailleurs for 9 or fewer cogs.
- Ergonomic twist-shift design for intuitive operation.
- Lightweight design (70 grams) with a sleek black finish.



Image: The SRAM MRX Comp 6-Speed Rear Shifter, showing its ergonomic twist grip and cable housing.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. This shifter comes with a pre-installed cable for convenience.

1. **Remove Old Shifter (if applicable):** Loosen the clamp bolt on your old shifter and slide it off the handlebar. Disconnect the old shifter cable from the rear derailleur.
2. **Mount New Shifter:** Slide the SRAM MRX Comp shifter onto the right side of your handlebar. Position it comfortably for easy access to the twist grip. Tighten the clamp bolt securely, but do not overtighten.
3. **Route Cable:** Route the shifter cable along your bike frame, ensuring it does not interfere with steering or other moving parts. Use cable ties or frame guides as necessary.
4. **Connect to Rear Derailleur:** Thread the shifter cable through the barrel adjuster on your rear derailleur and secure it to the derailleur's cable anchor bolt. Ensure there is no slack in the cable.
5. **Adjust Derailleur:**
 - Shift the shifter to the highest gear (smallest cog).
 - Adjust the derailleur's high limit screw so that the chain aligns perfectly with the smallest cog without rubbing.
 - Shift through all gears. If shifting is hesitant or skips, use the barrel adjuster on the shifter or derailleur to fine-tune cable tension. Turn clockwise to loosen tension (move chain inward), counter-clockwise to tighten tension (move chain outward).
 - Shift to the lowest gear (largest cog). Adjust the derailleur's low limit screw so the chain aligns with the largest cog without overshifting into the spokes.
6. **Trim Excess Cable:** Once shifting is smooth and accurate, trim any excess shifter cable, leaving approximately 2-3

cm beyond the anchor bolt. Install a cable end cap to prevent fraying.

Note: If you are unsure about any installation steps, it is recommended to consult a professional bicycle mechanic.

OPERATING INSTRUCTIONS

The SRAM MRX Comp shifter utilizes a twist-grip mechanism for intuitive gear changes.

- **Shifting Up (Harder Gear):** To shift to a harder (higher) gear, twist the grip forward (towards the front of the bike). This will move the chain to a smaller cog on the cassette.
- **Shifting Down (Easier Gear):** To shift to an easier (lower) gear, twist the grip backward (towards the rider). This will move the chain to a larger cog on the cassette.
- **Smooth Shifting:** Always pedal lightly while shifting to allow the chain to move smoothly between cogs. Avoid shifting under heavy load.
- **Gear Indicator:** The shifter features a clear gear indicator to show your current gear selection.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your shifter.

- **Cleaning:** Keep the shifter and surrounding handlebar area clean. Wipe away dirt and grime with a damp cloth. Avoid using harsh chemicals that could damage plastic components.
- **Cable Inspection:** Periodically inspect the shifter cable for signs of fraying, rust, or kinks. A damaged cable can impair shifting performance. Replace the cable if any damage is observed.
- **Lubrication:** While the internal mechanism is generally maintenance-free, ensure your derailleur and chain are properly lubricated according to their respective manuals. This indirectly affects shifter performance.
- **Cable Tension:** If shifting becomes less precise over time, check and adjust the cable tension using the barrel adjuster as described in the "Setup" section.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Shifting is slow or hesitant.	Insufficient cable tension, dirty cable/housing, worn chain/cassette.	Adjust cable tension with barrel adjuster. Clean or replace cable and housing. Inspect and replace chain/cassette if worn.
Chain skips gears.	Incorrect cable tension, bent derailleur hanger, worn chain/cassette.	Adjust cable tension. Check derailleur hanger alignment (professional service recommended). Replace worn drivetrain components.
Shifter feels stiff or difficult to twist.	Friction in cable/housing, internal mechanism issue.	Replace cable and housing. If problem persists, the shifter may need replacement.
Cannot shift into the highest or lowest gear.	Limit screws incorrectly set.	Adjust the high (H) and low (L) limit screws on the rear derailleur. Refer to the "Setup" section.

SPECIFICATIONS

- **Brand:** SRAM
- **Model Name:** FBA_400000086
- **Type:** Rear Shifter
- **Speed:** 6-Speed
- **Compatibility:** MTB rear derailleurs for 9 or fewer cogs (Shimano Compatible)
- **Handle Attachment Mechanism:** Twist
- **Material:** Multi (Plastic and Metal components, Aluminum handle)
- **Color:** Black
- **Item Weight:** Approximately 0.2 Pounds (70 grams)
- **Product Dimensions:** 3"L x 3"W (approximate)
- **Included Components:** Shifter, Flat Bar-Right
- **UPC:** 710845006500

WARRANTY

This SRAM MRX Comp 6-Speed Rear Shifter comes with a **Limited Warranty**. For specific details regarding warranty coverage, terms, and conditions, please refer to the official SRAM warranty documentation provided with your purchase or visit the official SRAM website.

SUPPORT

For further assistance, technical support, or inquiries regarding your SRAM MRX Comp 6-Speed Rear Shifter, please contact SRAM customer service or visit their official website. You can often find detailed technical documents, FAQs, and contact information on the manufacturer's support pages.

SRAM Official Website: www.sram.com

