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SRAM X01 Eagle AXS Rear Derailleur (Model 102623)

SRAM X01 Eagle AXS Rear Derailleur User Manual

Model: X01 Eagle AXS (Part Number: 102623)

PRODUCT OVERVIEW

The SRAM X01 Eagle AXS Rear Derailleur is an advanced, motor-driven 12-speed rear derailleur designed for high-performance cycling. It offers precise and reliable electronic shifting, optimized for demanding trail conditions. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your derailleur.



Image: The SRAM X01 Eagle AXS Rear Derailleur, showcasing its sleek design and robust construction.

Key Features

- **Motor-Driven Design:** Specifically engineered for precise and consistent electronic shifting, eliminating the need for cables.
- **AXS App Integration:** Allows for customization of shift button functions, battery status checks, and firmware updates via the SRAM AXS App.
- **Optimized Geometry:** Features a shorter cage for increased ground clearance and improved chain wrap on the cassette.
- **Overload Clutch:** A resilient clutch mechanism disengages the motor gearbox upon impact, protecting the derailleur and instantly returning it to position.
- **IP69K Waterproofing:** Tested to withstand high-pressure water and dust, ensuring durability in extreme riding conditions.

SETUP AND INSTALLATION

Unboxing and Initial Inspection

Carefully remove the derailleur from its packaging. Verify that all components are present and inspect the derailleur for any signs of damage that may have occurred during shipping.

Installation Steps

- Mount the Derailleur:** Securely attach the SRAM X01 Eagle AXS Rear Derailleur to your bike's derailleur hanger. Ensure the hanger is straight and properly aligned.
- Install Battery:** Insert the SRAM AXS battery into the derailleur. Push firmly until it clicks into place, indicating a secure connection.
- Pair with AXS Shifter:** Turn on your AXS shifter. Press and hold the AXS button on both the derailleur and the shifter until the LED lights flash, indicating successful pairing. Refer to the SRAM AXS app for detailed pairing instructions.
- Chain Installation:** Install your 12-speed Eagle chain, ensuring it is routed correctly through the derailleur and is cut to the appropriate length for your drivetrain.
- Limit Screw Adjustment:** Adjust the high (H) and low (L) limit screws to prevent the chain from over-shifting the cassette. These screws define the outermost and innermost positions of the derailleur.
- B-Gap Adjustment:** Set the B-gap (distance between the upper pulley and the largest cassette cog) using the SRAM B-gap tool. This is crucial for optimal shifting performance across all gears.

Image: A detailed view of the SRAM X01 Eagle AXS Rear Derailleur, illustrating its components for installation reference.

OPERATION

Shifting

The SRAM X01 Eagle AXS derailleur operates wirelessly with your AXS shifter. To shift, simply press the designated shifter paddle. The electronic motor will execute a precise and rapid gear change. The system is designed to provide consistent performance under various riding conditions and loads.

AXS App Customization

Enhance your riding experience by downloading the SRAM AXS app to your smartphone. Connect to your derailleur via Bluetooth to:

- Customize the function of your shifter paddles.
- Monitor battery status for all AXS components.
- Perform firmware updates to ensure optimal performance and access new features.
- Adjust micro-adjustments for fine-tuning shifting precision.

Overload Clutch Protection

The integrated Overload Clutch is a protective feature. In the event of a direct impact to the derailleur, the motor gearbox temporarily disengages, allowing the derailleur to move freely and absorb the force. It then instantly returns to its original position, minimizing potential damage to the derailleur and hanger.

MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your SRAM X01 Eagle AXS Rear Derailleur.

Cleaning

- After each ride, especially in wet or muddy conditions, clean the derailleur using a mild soap and water solution.
- Avoid directing high-pressure water sprays directly at the electronic components or seals.
- Pay special attention to cleaning the pulley wheels, as accumulated dirt can affect shifting performance.

Battery Care

- Charge the AXS battery regularly using the dedicated SRAM charger.
- Store the battery in a cool, dry place when not in use.
- Avoid fully discharging the battery for extended periods to prolong its lifespan.

Firmware Updates

Periodically check for firmware updates via the SRAM AXS app. Keeping your derailleur's firmware up-to-date ensures you have the latest features and performance enhancements.

Inspection

- Regularly inspect the derailleur hanger for alignment. A bent hanger is a common cause of poor shifting and can be straightened or replaced by a qualified mechanic.
- Check all mounting bolts for proper torque. Refer to SRAM's official documentation for specific torque values.

TROUBLESHOOTING

This section addresses common issues you might encounter with your SRAM X01 Eagle AXS Rear Derailleur.

Problem	Possible Cause	Solution
Poor Shifting Performance	Bent derailleur hanger	Check and straighten or replace the derailleur hanger.
Poor Shifting Performance	Incorrect B-gap adjustment	Re-adjust B-gap using the SRAM B-gap tool.

Problem	Possible Cause	Solution
Poor Shifting Performance	Low AXS battery	Charge the AXS battery.
No Shifting Response	Battery depleted or not installed correctly	Charge or replace the AXS battery. Ensure it is fully seated.
No Shifting Response	Derailleur not paired with shifter	Re-pair the derailleur with your AXS shifter via the AXS app.
Derailleur Noise	Dirty or worn pulley wheels	Clean pulley wheels. Replace if excessively worn.
Derailleur Noise	Loose mounting bolts	Check and tighten all mounting bolts to specified torque.

TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	SRAM X01 Eagle AXS Rear Derailleur
Part Number	102623
Speed Compatibility	12-speed
Color	Red
Material	Multi (Aluminum case)
Item Weight	300 Grams
Mounting Type	Direct Mount
Manufacturer	SRAM
Model Year	2021
UPC	710845853524
Water/Dust Rating	IP69K
Included Components	Derailleur, Manual

WARRANTY AND SUPPORT

Warranty Information

This SRAM X01 Eagle AXS Rear Derailleur comes with a Limited Warranty. For complete details regarding warranty coverage, terms, and conditions, please refer to the official SRAM website or the warranty documentation included with your product. Retain your proof of purchase for warranty claims.

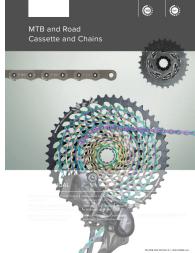
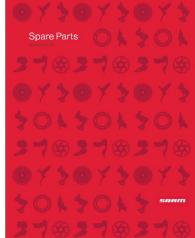
Customer Support

For technical assistance, spare parts, or any further inquiries regarding your SRAM X01 Eagle AXS Rear Derailleur, please utilize the following resources:

- Official SRAM Website:** Visit www.sram.com for comprehensive product information, FAQs, and support resources.
- Authorized SRAM Dealer:** Contact your local authorized SRAM dealer for professional service, installation, and troubleshooting assistance.

Related Documents - X01 Eagle AXS Rear Derailleur (Model 102623)

	<p><u>SRAM AXS Eagle Quick Start Guide</u></p> <p>A comprehensive quick start guide for SRAM AXS Eagle bicycle components, detailing the use of the SRAM AXS App, battery charging and installation, system pairing, shifting operations, and battery status indicators.</p>
	<p><u>SRAM eTap AXS System User Manual: Installation and Operation Guide</u></p> <p>Comprehensive user manual for SRAM eTap AXS electronic shifting systems. Covers installation, setup, operation, safety instructions, AXS App usage, battery management, and maintenance for road and gravel bicycles. Essential guide for cyclists.</p>
	<p><u>SRAM Reverb AXS Electronic Seatpost: Installation, Pairing, and Maintenance Guide</u></p> <p>A comprehensive guide for installing, pairing, and maintaining the SRAM Reverb AXS electronic seatpost. Includes details on battery charging, ride time, functionality, and essential maintenance procedures.</p>

	<p>SRAM MTB and Road Cassettes and Chains User Manual</p> <p>Comprehensive user manual for SRAM's MTB and Road cassettes and chains, covering installation, sizing, compatibility, e-bike usage, PowerLock/PowerLink installation, and maintenance. Includes detailed instructions for various bicycle types and components.</p>
	<p>SRAM Rear Derailleur Installation and Adjustment Guide</p> <p>Comprehensive guide for installing and adjusting SRAM Max 33T/36T and XPLR rear derailleurs, including chain installation, limit screw adjustments, and chain gap settings.</p>
	<p>SRAM 2025 Spare Parts Catalog: Bicycle Components</p> <p>A comprehensive catalog of SRAM bicycle spare parts for 2025, detailing components for drivetrains, brakes, wheels, and accessories. Find part numbers, model compatibility, and usage guides for maintaining and enhancing cycling performance.</p>