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SRAM 00.7518.125.000

SRAM XX1 Eagle AXS 12-Speed Rear Derailleur Instruction Manual

Model: 00.7518.125.000 | Brand: SRAM

INTRODUCTION

The SRAM XX1 Eagle AXS 12-Speed Rear Derailleur is an advanced electronic shifting component designed for mountain bikes. This system offers precise and reliable gear changes through wireless technology, eliminating traditional cables and housing. It is engineered for durability and performance in demanding off-road conditions.



Image: The SRAM XX1 Eagle AXS 12-Speed Rear Derailleur, showcasing its compact design and electronic components.

KEY FEATURES

- **AXS Powered Component:** Enables customization and scales to an individual rider's liking via the SRAM AXS App.
- **Optimized Cage Design:** Features a shorter cage for 10mm more ground clearance, with more chain wrap on the cassette to sit slightly further forward and further inboard.
- **Resilient Overload Clutch:** In the event of an impact, the motor gearbox disengages, allowing the derailleur freedom to move, and instantly returns to its position for a seamless experience.
- **Durability:** Tested to IP69K water and dust proofing standard, suitable for creek crossings, mud splattering, and post-ride pressure washings.
- **Compatibility:** Designed to work exclusively with X-Dome Eagle cassettes.

SETUP

1. Frame Compatibility

Ensure your bicycle frame is equipped with a Universal Derailleur Hanger (UDH). The SRAM XX1 Eagle AXS derailleur mounts directly to the frame, replacing the traditional derailleur hanger.

2. Battery Installation and Charging

The derailleur operates with a removable, rechargeable battery. To install, slide the battery into the designated slot on the rear of the derailleur until it clicks securely into place. To charge, remove the battery and use the provided USB charging dock. Batteries typically last for extended periods and charge quickly.

3. Pairing with AXS Controller

Follow the instructions in the SRAM AXS App to pair your derailleur with your AXS shift controller. This process establishes a wireless connection for seamless electronic shifting.

4. Chain and Cassette Installation

Install a compatible SRAM X-Dome Eagle cassette and a flat-top chain. Ensure proper chain length for optimal shifting performance across all gears.

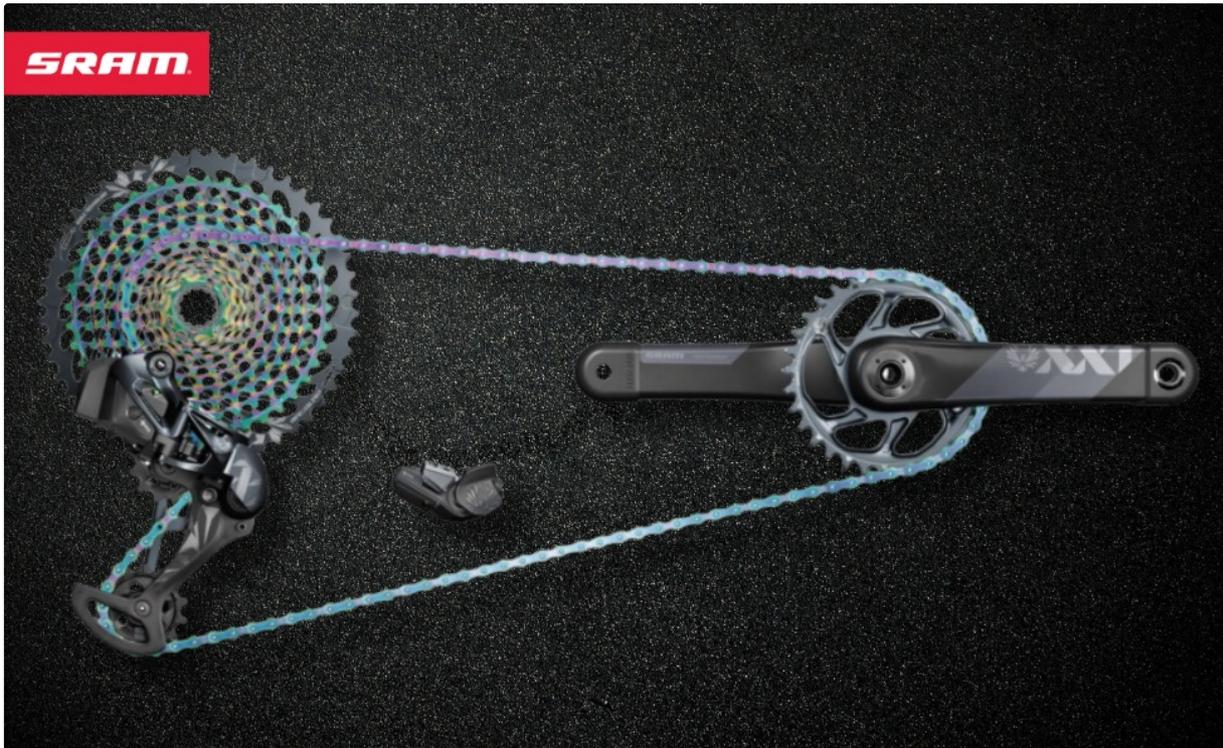


Image: The SRAM XX1 Eagle AXS derailleur installed on a bicycle, connected to a cassette and chain, illustrating the complete drivetrain setup.

OPERATING

The SRAM XX1 Eagle AXS derailleur provides precise and consistent shifting. The electronic system ensures that each shift is executed accurately, regardless of terrain or riding conditions. The Overload Clutch mechanism protects the derailleur from damage during impacts by allowing it to temporarily disengage and then return to its original position.

One of the key advantages of this system is its ability to shift under load, which is particularly beneficial for e-bikes or during challenging climbs, without risking damage to the drivetrain components.

MAINTENANCE

1. Cleaning

Due to its IP69K water and dust proofing, the derailleur can withstand pressure washing. Regularly clean the derailleur, jockey wheels, and cassette to remove dirt and debris, ensuring smooth operation and prolonging component life.

2. Battery Care

Monitor battery levels via the AXS app or the LED indicator on the derailleur. Charge the battery as needed. It is recommended to carry a spare charged battery for extended rides.

3. Jockey Wheel and Cage Inspection

Periodically inspect the jockey wheels and derailleur cage for wear or damage. The derailleur cage is designed to be replaceable. If replacement is necessary, carefully unthread the existing cage and install a new one, ensuring it is securely fastened.



Image: A detailed view of the SRAM XX1 Eagle AXS derailleur, highlighting the jockey wheels and cage assembly.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Shifting delays or inaccuracy	Low battery, misaligned derailleur, or dirty components.	Charge battery, check for proper alignment using the AXS app, clean derailleur and chain.
Derailleur not responding	Dead battery, loss of pairing with controller.	Replace or charge battery, re-pair with AXS controller via the app.
Unusual noises during shifting	Dirty components, worn jockey wheels, or chain issues.	Clean and lubricate drivetrain, inspect jockey wheels for wear, check chain for damage or stretch.

SPECIFICATIONS

- **Model Name:** Sram_710845824036
- **Part Number:** 00.7518.125.000
- **UPC:** 710845824036
- **Brand:** SRAM
- **Color:** Black
- **Material:** Aluminum
- **Item Weight:** 1.75 Pounds (0.8 Kilograms)
- **Product Dimensions:** 14"L x 10"W x 3"H
- **Mounting Type:** Standard (UDH compatible)

- **Speed:** 12-Speed
- **Water/Dust Rating:** IP69K

WARRANTY

This product is covered by a Limited Warranty from SRAM. For detailed information regarding warranty terms, conditions, and claims, please refer to the official SRAM website or contact an authorized SRAM dealer.

SUPPORT

For further assistance, technical support, or service, please visit the [official SRAM website](#) or consult with an authorized SRAM service center. The SRAM AXS App also provides diagnostic tools and firmware updates for your derailleur.