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SRAM 00.7518.174.000

SRAM Force XPLR AXS Rear Derailleur User Manual

Model: 00.7518.174.000

INTRODUCTION

The SRAM Force D2 XPLR AXS Rear Derailleur is engineered for optimal performance on diverse terrains, from road to trail. This 1x-specific derailleur is designed to work seamlessly with 10-44T or 10-36T cassettes, providing precise and reliable shifting. Featuring Orbit chain management technology, it minimizes chain bounce and facilitates easier wheel removal. The eTap shift logic ensures intuitive and speedy gear changes, while AXS connectivity allows for straightforward setup and personalization.

KEY FEATURES

- **Orbit Chain Management:** Keeps the drivetrain quiet and secure by controlling chain movement.
- **eTap Shift Logic:** Provides intuitive and precise electronic shifting.
- **AXS Enabled:** Allows for easy setup, personalization, and reliable wireless communication.
- **1x Specific Design:** Optimized for use with 10-44T XPLR and 10-36T cassettes.
- **Large X-SYNC Pulleys:** Designed for increased durability and efficiency in power transfer.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your SRAM Force XPLR AXS Rear Derailleur. It is recommended to consult the official SRAM AXS installation guide for detailed instructions, as this manual provides a general overview.

Pre-Installation Checklist:

- Ensure your bicycle frame is compatible with a braze-on mount derailleur.
- Confirm your cassette is either 10-44T XPLR or 10-36T.
- Gather necessary tools: torque wrench, hex keys, chain tool, and a compatible AXS battery.

Installation Steps (Overview):

1. **Mounting:** Securely attach the derailleur to the derailleur hanger using the specified torque.

2. **Chain Installation:** Install the chain, ensuring correct length for your 1x setup and cassette.
3. **Battery Installation:** Insert a charged AXS battery into the derailleur.
4. **Pairing:** Pair the derailleur with your AXS shifters following the AXS pairing procedure.
5. **Limit Screw Adjustment:** Adjust the high and low limit screws to prevent over-shifting.
6. **B-Gap Adjustment:** Set the B-gap using the SRAM B-gap tool for optimal chain clearance.
7. **Micro-Adjustment:** Fine-tune shifting using the AXS micro-adjustment feature.



Figure 1: Front view of the SRAM Force XPLR AXS Rear Derailleur, showcasing its compact design and X-SYNC pulleys.



Figure 2: Side view of the derailleur, highlighting the AXS battery compartment and overall profile.



Figure 3: Detailed view of the derailleur's mounting bolt and hanger interface, crucial for secure installation.

OPERATION

The SRAM Force XPLR AXS Rear Derailleur operates wirelessly via the AXS ecosystem, providing precise and

responsive shifting.

Shifting:

- Use your AXS shifters to command gear changes. The eTap shift logic ensures intuitive operation: typically, one paddle shifts up, the other shifts down.
- For multi-shift, hold down the shifter paddle.

AXS App Personalization:

Download the SRAM AXS app to your smartphone for advanced customization:

- **Button Assignment:** Customize what each shifter button does.
- **Multi-Shift Settings:** Adjust the number of gears shifted with a single press.
- **Battery Status:** Monitor the battery level of your derailleur and other AXS components.
- **Firmware Updates:** Keep your components up-to-date with the latest firmware.

Chain Management:

The Orbit chain management system helps maintain chain tension and reduces noise and chain slap, especially over rough terrain. This system is automatic and requires no user intervention during riding.

MAINTENANCE

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

- **Cleaning:** After each ride, especially in wet or dirty conditions, clean the derailleur body, pulleys, and chain with a mild degreaser and brush. Rinse thoroughly and dry.
- **Lubrication:** Lubricate your chain regularly with a high-quality bicycle chain lubricant. Avoid getting lubricant on the derailleur body or brake surfaces.
- **Pulleys Inspection:** Periodically inspect the X-SYNC pulleys for wear. Worn pulleys can lead to poor shifting performance and increased noise. Replace if necessary.
- **Battery Charging:** Charge the AXS battery regularly. A fully charged battery provides approximately 60 hours of ride time, but this can vary based on usage and conditions.
- **Bolt Torque Check:** Periodically check all mounting bolts for correct torque settings. Refer to SRAM's official documentation for specific torque values.

TROUBLESHOOTING

If you encounter issues with your derailleur, consider the following common troubleshooting steps:

- **Poor Shifting Performance:**
 - Check battery level and charge if low.
 - Verify B-gap adjustment.
 - Inspect chain and cassette for wear or damage.
 - Check for bent derailleur hanger.
 - Perform micro-adjustments via the AXS app or shifter buttons.
- **Chain Noise/Bounce:**
 - Ensure chain is clean and properly lubricated.

- Check for proper chain length.
- Verify Orbit chain management system is functioning (no visible damage).

- **Derailleur Not Responding:**

- Check battery connection and charge.
- Re-pair the derailleur with your shifters.
- Check for firmware updates via the AXS app.

For more complex issues, refer to the comprehensive SRAM AXS service manual or contact SRAM customer support.

SPECIFICATIONS

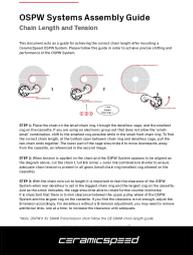
Attribute	Value
Brand	SRAM
Model Name	SRAM Force AXS 12-Speed XPLR Rear Derailleur
Model Number	00.7518.174.000
Number of Teeth (Pulleys)	12
Compatibility	1x specific for 10-44T XPLR and 10-36T cassettes
Mounting Type	Braze-On Mount
Material	Aluminium (Case Material)
Color	Iridescent Gray
Item Dimensions (LxWxH)	1 x 1 x 1 inches (approximate)
Package Weight	0.53 Kilograms
UPC	022255067942, 710845892172, 710845892165
Included Components	Rear Derailleur

WARRANTY AND SUPPORT

SRAM products are covered by a limited warranty. For detailed warranty information, claims, or technical support, please visit the official SRAM website or contact your authorized SRAM dealer.

Online Resources:

- Official SRAM Website: www.sram.com
- SRAM AXS App: Available on iOS and Android app stores.

	<p>SRAM eTap AXS System User Manual: Installation and Operation Guide</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>CeramicSpeed OSPW Systems Assembly Guide: Chain Length and Tension</p> <p>Comprehensive guide from CeramicSpeed on determining the correct chain length and setting spring tension for OSPW Systems for optimal shifting performance. Includes instructions for various Shimano, SRAM, and Campagnolo drivetrains.</p>
	<p>Kogel Kolossos Installation Manual for SRAM eTap AXS and Rival</p> <p>A step-by-step guide for installing the Kogel Kolossos oversized derailleur cage system for SRAM eTap AXS and Rival drivetrains.</p>
	<p>Nova Ride Carbon Ceramic Derailleur Aero Installation Guide for SRAM AXS 12-Speed</p> <p>A comprehensive installation guide for the Nova Ride Carbon Ceramic Derailleur Aero cage, compatible with SRAM Rival, Force, and Red AXS 12-speed systems. Includes tools needed, step-by-step instructions, and maintenance and warranty information.</p>
	<p>SRAM 22 Derailleurs Installation and Maintenance Guide</p> <p>Comprehensive guide for the installation, adjustment, and maintenance of SRAM 22 derailleurs, covering front and rear derailleur setup, chain retention, and general maintenance procedures.</p>
	<p>SRAM AXS Eagle Quick Start Guide</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>