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SRAM 00.7918.076.003

SRAM NX Eagle DUB Crankset User Manual

Model: 00.7918.076.003

1. INTRODUCTION

This user manual provides essential information for the installation, operation, and maintenance of your SRAM NX Eagle DUB Crankset. Designed for optimal performance and durability, the SRAM NX Eagle DUB Crankset is a key component of your bicycle's drivetrain, engineered to deliver precise and reliable shifting.

The NX crankset features an X-Sync 2 chainring, meticulously designed for complete chain control, ensuring seamless interaction with the chain's inner and outer links. The accompanying NX derailleur is built for robust performance and longevity, while the wide 11-50t gear range cassette offers versatility for various riding conditions.



Image 1.1: Overview of the SRAM NX Eagle DUB Crankset system, including the crankset, chain, rear derailleur, and cassette.

2. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your SRAM NX Eagle DUB Crankset. It is highly recommended that installation be performed by a qualified bicycle mechanic. Always refer to the detailed technical manuals available on the official SRAM website for specific torque specifications and step-by-step procedures.

2.1 Required Tools and Components

- Torque wrench with appropriate bits

- Bottom bracket tool (specific to your DUB bottom bracket, sold separately)
- Hex keys (Allen wrenches)
- Chain whip and cassette lockring tool (for cassette installation)
- Chain breaker and master link pliers (for chain installation)
- Grease and thread locker (as specified in SRAM's technical manual)

2.2 Installation Steps Overview

1. **Bottom Bracket Installation:** Ensure your bicycle frame has a compatible DUB bottom bracket installed. Apply grease to threads if applicable and torque to manufacturer specifications.
2. **Crankset Installation:** Carefully slide the DUB crank spindle through the bottom bracket. Secure the non-drive side crank arm, ensuring proper alignment and torquing the crank bolt to the specified value.
3. **Chainring Installation:** The X-Sync 2 chainring is typically pre-installed. If not, ensure it is correctly oriented and secured to the crank arm.
4. **Cassette Installation:** Install the wide 11-50t gear range cassette onto the freehub body, ensuring all cogs are correctly seated and the lockring is torqued to specification.
5. **Derailleur Installation:** Mount the NX derailleur to the derailleur hanger. Ensure the hanger is straight and the derailleur is properly aligned.
6. **Chain Installation:** Route the chain through the derailleur and around the chainring and cassette. Determine the correct chain length and connect the chain using a master link.
7. **Shifter Installation:** Mount the shifter to your handlebar in an ergonomic position.
8. **Cable Routing and Adjustment:** Route the shifter cable and housing to the derailleur. Adjust the derailleur limits and B-tension, then fine-tune shifting for smooth operation across all gears.



Image 2.1: All major components of the SRAM NX Eagle DUB groupset, including the crankset, shifter, derailleur, chain, and cassette, ready for installation.

3. OPERATING YOUR DRIVETRAIN

The SRAM NX Eagle DUB system is designed for intuitive and efficient gear changes, providing a wide range of gears for various terrains. This system operates as a 1x (one-by) setup, meaning there is only one chainring at the front and multiple cogs on the cassette at the rear.

3.1 Shifting Gears

- **Upshifting (Harder Gear):** Use the smaller lever on your shifter to push the chain to a smaller cog on the cassette. This provides more resistance and is suitable for flat terrain or descents.
- **Downshifting (Easier Gear):** Use the larger lever on your shifter to pull the chain to a larger cog on the cassette. This provides less resistance and is suitable for climbing or starting from a stop.
- **Smooth Shifting:** Always pedal lightly when shifting gears to allow the chain to move smoothly between cogs. Avoid shifting under heavy load, especially when climbing, as this can cause excessive wear and potential damage to the drivetrain components.



Image 3.1: The SRAM NX Eagle shifter, used for precise gear changes.

4. MAINTENANCE

Regular maintenance extends the life of your SRAM NX Eagle DUB Crankset and ensures optimal performance. Keep your drivetrain clean and properly lubricated.

4.1 Cleaning

- **Chain:** Clean your chain regularly, especially after riding in wet or dirty conditions. Use a degreaser and a chain cleaning tool or brush. Rinse thoroughly.
- **Chainring and Cassette:** Use a stiff brush and degreaser to remove dirt and grime from the chainring teeth and cassette cogs.
- **Derailleur:** Wipe down the derailleur body and pulleys. Ensure the pulley wheels spin freely.

4.2 Lubrication

- **Chain:** After cleaning and drying, apply a suitable bicycle chain lubricant to each link. Wipe off excess lubricant to prevent dirt accumulation.
- **Derailleur Pivots:** Apply a small amount of light lubricant to the derailleur pivot points.

4.3 Inspection

- **Chain Wear:** Regularly check your chain for wear using a chain wear indicator tool. A worn chain can accelerate wear on the cassette and chainring.
- **Chainring and Cassette Teeth:** Inspect teeth for signs of wear (e.g., "shark fin" shape). Worn teeth can lead to poor shifting and chain skipping.
- **Crank Bolts:** Periodically check that all crank bolts are torqued to specification.
- **Derailler Hanger:** Ensure the derailler hanger is straight and not bent, as this can cause shifting issues.



Image 4.1: A segment of the SRAM NX Eagle chain, highlighting the importance of regular cleaning and lubrication.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your SRAM NX Eagle DUB drivetrain. For complex problems, consult a professional bicycle mechanic.

5.1 Shifting Problems

- **Symptom:** Gears skip or shift slowly.
 - **Possible Cause:** Derailler cable tension is incorrect.
 - **Solution:** Adjust barrel adjuster on the shifter or derailler. Turn clockwise to shift down more easily, counter-clockwise to shift up more easily.
 - **Possible Cause:** Derailler hanger is bent.
 - **Solution:** Inspect hanger alignment. A bent hanger requires specialized tools to straighten or replacement.
 - **Possible Cause:** Worn chain, cassette, or chainring.
 - **Solution:** Inspect components for wear. Replace as necessary.
- **Symptom:** Chain drops off the chainring.
 - **Possible Cause:** Worn chainring teeth or incorrect chainline.
 - **Solution:** Inspect chainring. Ensure crankset is installed correctly and bottom bracket spacers are appropriate for your frame.

5.2 Drivetrain Noise

- **Symptom:** Squeaking or grinding noise.
 - **Possible Cause:** Dry or dirty chain.
 - **Solution:** Clean and lubricate the chain thoroughly.
 - **Possible Cause:** Worn bottom bracket.
 - **Solution:** Inspect bottom bracket for play or roughness. Replace if necessary.
- **Symptom:** Clicking noise from crank area.
 - **Possible Cause:** Loose crank bolts or pedals.
 - **Solution:** Check and re-torque crank bolts and pedals to specification.



Image 5.1: The SRAM NX Eagle rear derailleur, a critical component for smooth shifting and a common point for troubleshooting adjustments.

6. SPECIFICATIONS

Key technical specifications for the SRAM NX Eagle DUB Crankset and associated components:

Feature	Detail
Brand	SRAM
Model Name	Sram_710845820502
Part Number	00.7918.076.003
Style	NX Eagle DUB
Number of Teeth (Chainring)	32
Material	Aluminum
Color	Black
Item Weight	2 Kilograms
Item Dimensions (LxWxH)	12.6 x 9.9 x 9.7 inches
Package Weight	4.13 Kilograms
UPC	710845820502
Sport Type	Cycling
Model Year	2018



Image 6.1: Detailed view of the SRAM NX Eagle DUB Crankset, showcasing its design and construction.

7. WARRANTY AND SUPPORT



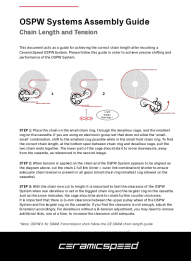

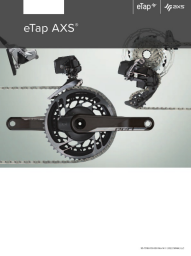

For detailed warranty information regarding your SRAM NX Eagle DUB Crankset, please refer to the official SRAM website or contact your authorized SRAM dealer. SRAM products are typically covered by a limited warranty against defects in materials and workmanship.

If you require technical assistance, have questions about product compatibility, or need to initiate a warranty claim, please contact SRAM customer support through their official channels. Always provide your product model number (00.7918.076.003) and any relevant purchase information when seeking support.

SRAM Official Website: www.sram.com

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For the latest product information and technical documents, please visit www.sram.com.

Related Documents - 00.7918.076.003

	<p>Praxis Works BSA DUB Bottom Bracket Installation and Compatibility Guide</p> <p>A comprehensive guide for installing and understanding the Praxis Works BSA DUB bottom bracket for SRAM DUB cranks. Includes safety information, parts identification, compatibility specifications, installation steps, dust cover selection, warranty details, and contact information.</p>
	<p>CeramicSpeed Oversized Pulley Wheel System for SRAM Mechanical: Mounting and Maintenance Guide</p> <p>A comprehensive guide to installing and maintaining the CeramicSpeed Oversized Pulley Wheel System for SRAM mechanical drivetrains. Includes parts list, required tools, step-by-step mounting instructions, and maintenance recommendations.</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>SRAM Power Meter User Manual</p> <p>Comprehensive user manual for SRAM Power Meters, detailing installation, setup, pairing, zeroing, battery replacement, maintenance, and troubleshooting for SRAM AXS and DUB-PWR models.</p>
	<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>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>