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SRAM 00.6118.358.000

SRAM XX1 Fat Bike Q168 GXP Dm28T Crankset User Manual

Brand: SRAM | Model: 00.6118.358.000

1. PRODUCT OVERVIEW

The SRAM XX1 Fat Bike Q168 GXP Dm28T Crankset is engineered for optimal chain control and performance in diverse cycling conditions. Its design integrates advanced features to provide a reliable and efficient drivetrain solution for fat bikes.



This image displays the SRAM XX1 Fat Bike Crankset, featuring a black carbon crank arm with red and grey accents, and a silver X-SYNC chainring with precisely machined teeth.

Developed for maximum chain control, each tooth's thickness is precisely CNC machined to support the chain's inner and outer links perfectly. Six available chain rings allow you to tune your gear range to match your terrain, wheel size and riding style. Each X-Sync chainring fits a single, universal spider-allowing you to change rings without removing the lightweight carbon crank arm.

2. KEY FEATURES

- **CNC Machined X-SYNC Chainring:** Crafted from 7075 aluminum with a two-tone anodized finish, an integral component of the SRAM 1x drivetrain.

- **Superior Chain Control:** Tall, square tooth design ensures maximum chain retention and stability.
- **Optimized Tooth Profile:** Sharp, narrow tooth profile and rounded chamfer edges effectively manage a deflected chain, reducing drops.
- **Mud-Clearing Design:** Features recesses for inner chain links and rollers to prevent mud buildup and maintain performance.
- **Easy Ring Changes:** Spider design facilitates simpler chainring replacement without needing to remove the lightweight carbon crank arm.

3. SETUP AND INSTALLATION

Proper installation of your SRAM XX1 Fat Bike Crankset is crucial for safety and performance. It is highly recommended that installation be performed by a qualified bicycle mechanic using appropriate tools and torque specifications.

3.1. Required Tools and Components

- Compatible GXP bottom bracket (not included).
- Torque wrench.
- Hex keys (various sizes).
- Grease.
- Chainring bolt tool (if changing chainring).

3.2. Installation Steps (General Guidelines)

1. Ensure your bicycle frame has a compatible bottom bracket shell (e.g., 100mm BB shell for fat bikes with GXP standard).
2. Install the GXP bottom bracket according to its specific instructions and torque specifications.
3. Apply a thin layer of grease to the crank spindle and the non-drive side crank arm interface.
4. Carefully slide the drive-side crank arm with the chainring through the bottom bracket.
5. Install the non-drive side crank arm onto the spindle, ensuring it is fully seated.
6. Tighten the crank bolt to the manufacturer's specified torque. Refer to the detailed SRAM technical manual for precise torque values.
7. Verify that the crankset spins freely without excessive play.

For detailed, step-by-step instructions and specific torque values, please refer to the official SRAM technical documentation available on the [SRAM website](#).

4. OPERATING INSTRUCTIONS

The SRAM XX1 Fat Bike Crankset is designed for 1x (single chainring) drivetrain systems, offering simplicity, reduced weight, and excellent chain retention. The X-SYNC chainring's unique tooth profile is optimized to work seamlessly with SRAM 1x chains, providing secure chain engagement even in rough terrain.

4.1. Chain Engagement

The tall, square teeth of the X-SYNC chainring are specifically shaped to grip the chain securely, minimizing the chance of chain drops. This design is particularly beneficial for aggressive riding and challenging conditions where chain security is paramount.

4.2. Gear Range Tuning

The crankset supports various X-SYNC chainring sizes (e.g., 28T as supplied, with options for other sizes) that fit the universal spider. This allows riders to easily swap chainrings to fine-tune their gear range to match specific terrain, wheel size, or personal riding style without needing to replace the entire crankset.

5. MAINTENANCE

Regular maintenance will extend the life of your SRAM XX1 Fat Bike Crankset and ensure optimal performance. Perform these checks periodically, especially after riding in wet or muddy conditions.

5.1. Cleaning

- Clean the crank arms and chainring regularly with mild soap and water. Avoid high-pressure washing directly on bearings.
- Use a brush to remove dirt and debris from the chainring teeth and recesses.
- Rinse thoroughly and dry with a clean cloth.

5.2. Inspection

- Inspect the chainring teeth for signs of wear (e.g., hooked or shark-finned teeth). Worn chainrings can lead to poor shifting and chain retention.
- Check all crank bolts (crank arm, chainring bolts) for proper tightness. Re-torque to specifications if necessary.
- Inspect crank arms for any cracks or damage, especially around the pedal threads and spindle interface.
- Listen for any creaking or unusual noises during riding, which may indicate loose components or worn bearings.

5.3. Lubrication

- Ensure your chain is regularly cleaned and lubricated with a suitable bicycle chain lubricant. A well-lubricated chain reduces wear on the chainring.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your crankset. For complex problems, consult a professional bicycle mechanic.

6.1. Chain Drops Frequently

- **Worn Chainring:** Inspect the chainring teeth for wear. Replace if significantly worn.
- **Worn Chain:** A stretched or worn chain can cause poor retention. Replace the chain.
- **Incorrect Chainline:** Ensure the chainline is correct for your frame and rear cassette. This crankset is designed for a specific fat bike chainline (Q168).
- **Clutch Derailleur Issue:** If using a clutch-equipped rear derailleur, ensure the clutch mechanism is engaged and functioning correctly.

6.2. Creaking Noises from Crankset

- **Loose Bolts:** Check and re-torque all crank arm and chainring bolts to specifications.
- **Bottom Bracket:** Creaking often originates from the bottom bracket. Inspect, clean, and re-grease or replace the bottom bracket if necessary.
- **Pedals:** Ensure pedals are properly tightened and greased.
- **Spindle Interface:** Ensure the crank arms are fully seated on the spindle.

7. SPECIFICATIONS

Attribute	Value
Brand Name	SRAM


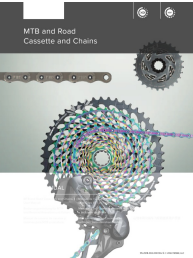
Model Number	00.6118.358.000
Item Weight	2.05 Pounds (approx. 0.93 kg)
Item Dimensions (LxWxH)	6.61 x 6.61 x 1.18 inches
Package Weight	1.08 Kilograms
Color	Black
Size	170mm (crank arm length)
Chainring	Dm28T (Direct Mount 28 Tooth X-SYNC)
Bottom Bracket Interface	GXP
Q-Factor	Q168 (specific for fat bikes)
Material	Carbon (crank arms), 7075 Aluminum (chainring)
Model Year	2015
Date First Available	April 16, 2015





8. WARRANTY AND SUPPORT

SRAM products are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase for warranty claims.

For detailed warranty information, technical support, or to find an authorized service center, please visit the official [SRAM website](#) or contact your local SRAM dealer.

Related Documents - 00.6118.358.000

	<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 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 AirWiz User Manual: Accurate Bicycle Suspension Air Pressure</p> <p>Get detailed instructions for the SRAM AirWiz bicycle suspension air pressure sensor. Learn about setup, app connection, usage, battery replacement, maintenance, and installation.</p>
	<p>SRAM Reverb AXS Electronic Seatpost: Installation, Pairing, and Maintenance Guide</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 Bicycle Components Catalog and Parts Guide</p> <p>Comprehensive catalog of SRAM bicycle components, including rear derailleurs, front derailleurs, shifters, levers, brake calipers, cranks, chainrings, cassettes, wheels, and hubs for both road and mountain bikes. Features detailed part numbers and descriptions for each component.</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>