

SRAM PG1070

SRAM PG1070 10-Speed Cassette 11-25T User Manual

Model: PG1070

INTRODUCTION

The SRAM PG1070 10-Speed Cassette is engineered for road cycling, providing precise and reliable gear changes across its 11-25 tooth range. This manual offers essential information for the proper installation, operation, maintenance, and troubleshooting of your cassette to ensure optimal performance and longevity.



Image: SRAM PG1070 10-Speed Cassette, 11-25T variant, showcasing its design and gear configuration.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your SRAM PG1070 cassette. If you are unsure about any step, consult a professional bicycle mechanic.

Required Tools:

- Cassette Lockring Tool
- Chain Whip
- Torque Wrench
- Grease

Installation Steps:

1. **Remove Rear Wheel:** Carefully remove the rear wheel from your bicycle frame.
2. **Remove Old Cassette (if applicable):** Use the chain whip to hold the cassette stationary and the

cassette locking tool with a wrench to loosen and remove the lockring. Slide the old cassette off the freehub body.

3. **Clean Freehub Body:** Thoroughly clean the freehub body, removing any dirt, grease, or debris. Inspect for damage.
4. **Apply Grease:** Apply a thin layer of grease to the threads of the freehub body and the inside of the cassette lockring.
5. **Install New Cassette:** Align the wide spline on the cassette with the wide spline on the freehub body. Slide the cassette cogs onto the freehub body. Ensure all cogs and spacers are correctly oriented and seated. The SRAM PG1070 features a semi-spider construction for maximum stiffness, ensuring precise alignment.
6. **Install Lockring:** Thread the cassette lockring onto the freehub body by hand, ensuring it is not cross-threaded.
7. **Tighten Lockring:** Use the cassette lockring tool and torque wrench to tighten the lockring to the manufacturer's specified torque. For SRAM cassettes, this is typically 40 Nm (350 in-lbs). Refer to your bicycle or hub manufacturer's specifications for exact torque values if different.
8. **Reinstall Rear Wheel:** Reinstall the rear wheel into your bicycle frame, ensuring it is properly seated and secured.
9. **Adjust Derailleur:** After installation, it is essential to check and adjust your rear derailleur for smooth and accurate shifting across all 10 speeds.

OPERATING INSTRUCTIONS

The SRAM PG1070 cassette is designed for optimal performance with 10-speed drivetrains. Follow these guidelines for effective operation:

- **Smooth Shifting:** Shift gears smoothly and deliberately. Avoid shifting under heavy load, especially when climbing, as this can cause premature wear and poor shifting performance.
- **Anticipate Shifts:** Plan your gear changes in advance, especially before inclines or descents, to maintain a consistent cadence and reduce stress on the drivetrain.
- **Optimal Tooth Profile:** The PG1070 features an optimal tooth profile and shift ramp design for quick and positive index shifting. This technology ensures that your chain moves efficiently between cogs.
- **Cross-Chaining:** Minimize cross-chaining (e.g., using the large chainring with the largest cassette cog, or small chainring with the smallest cassette cog) as it increases wear on the chain and cassette.

MAINTENANCE

Regular maintenance extends the life of your SRAM PG1070 cassette and ensures consistent performance.

Cleaning:

- **Frequency:** Clean your cassette regularly, especially after riding in wet or dirty conditions.
- **Procedure:** Use a degreaser specifically designed for bicycle drivetrains to remove grime from the cogs and spacers. A stiff brush or cassette cleaning tool can help reach between the cogs. Rinse thoroughly with water and dry completely.

Inspection:

- **Cog Wear:** Periodically inspect the teeth of each cog for signs of wear, such as 'shark fin' profiles (where teeth become pointed and hooked). Worn cogs can lead to poor shifting and chain skipping.
- **Chain Wear:** A worn chain can accelerate cassette wear. Check your chain regularly with a chain wear indicator tool and replace it when necessary.
- **Tightness:** Ensure the cassette lockring remains tight. Re-torque if necessary.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Issue	Possible Cause	Solution
Poor or inconsistent shifting	Incorrect derailleur adjustment, worn chain, dirty cassette, bent derailleur hanger	Adjust rear derailleur limit screws and B-tension. Check chain for wear and replace if needed. Clean cassette. Inspect and straighten/replace derailleur hanger.
Chain skipping on cogs	Worn cassette cogs, worn chain, insufficient chain tension	Inspect cassette for worn teeth and replace if necessary. Replace worn chain. Ensure proper chain length and derailleur tension.
Unusual noise from cassette area	Loose lockring, dirty cassette, worn freehub bearings, misaligned components	Check and re-torque cassette lockring. Clean cassette. Inspect freehub for play; service or replace bearings if needed. Ensure all components are correctly installed.

SPECIFICATIONS

- **Brand:** SRAM
- **Model:** PG1070
- **Speed:** 10-Speed
- **Gear Ratio:** 11-25T (11, 12, 13, 14, 15, 16, 17, 19, 21, 23, 25 teeth)
- **Material:** Alloy Steel, Aluminum
- **Construction:** Semi-spider for maximum stiffness
- **Weight:** Approximately 9.6 ounces (272 grams)
- **Technology:** Power Glide 10 speed cassette technology, optimal tooth profile and shift ramp design
- **Manufacturer Part Number:** FW6251
- **Model Number:** 137773
- **UPC/GTIN:** 710845617386, 710845709562

WARRANTY AND SUPPORT

SRAM products are manufactured to high standards and are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official SRAM website or contact SRAM customer support directly. Keep your proof of purchase for warranty claims. For technical assistance, spare parts, or further inquiries, please visit the official [SRAM website](#) or contact their authorized service centers.

