SRAM 00.5215.012.010

SRAM TT 500 Reverse Brake Lever Set Instruction Manual

Model: 00.5215.012.010

1. Introduction

Thank you for choosing the SRAM TT 500 Reverse Brake Lever Set. These high-quality aluminum brake levers are designed for time trial and triathlon cycling, offering reliable stopping power and an aerodynamic profile. This manual provides essential information for the proper installation, operation, and maintenance of your new brake levers to ensure optimal performance and safety.
The SRAM TT 500 levers feature an anodized aluminum construction, ergonomically designed reverse levers with integrated return springs, and internal cable routing for a clean setup. They are compatible with handlebars having an internal diameter greater than 19mm and work with both caliper and cantilever braking systems.

2. Safety Information

Always prioritize safety when installing and using bicycle components. Improper installation or maintenance can lead to serious injury or death. If you are unsure about any part of the installation or adjustment process, consult a qualified bicycle mechanic.

- Ensure all bolts are tightened to the manufacturer's specified torque settings.
- Regularly inspect brake cables and housing for wear or damage. Replace components as necessary.
- Test brake function thoroughly before riding.
- Wear appropriate safety gear, including a helmet, when cycling.
- Do not modify the brake levers or any associated components.

3. Setup & Installation

This section outlines the steps for installing your SRAM TT 500 Reverse Brake Levers. A 5mm Allen key is required for installation.

3.1 Unpacking and Inspection

Carefully remove the brake levers from their packaging. Inspect both levers for any signs of damage that may have occurred during shipping. Ensure all components are present.

3.2 Handlebar Compatibility

The SRAM TT 500 levers are designed for handlebars with an internal diameter greater than 19mm. Verify your handlebars meet this requirement before proceeding with installation.

3.3 Lever Installation into Handlebars

1. **Prepare the Lever:** Before inserting the lever, ensure the internal expansion mechanism is sufficiently loose. Use a 5mm Allen key to slightly loosen the internal bolt if necessary.
2. **Insert into Handlebar:** Carefully slide the brake lever into the end of your handlebar. Ensure it is fully seated and oriented correctly.
3. **Tighten the Lever:** Once the lever is in position, use the 5mm Allen key to tighten the internal bolt. This expands the mechanism, securing the lever firmly within the handlebar. Tighten until the lever is secure and does not twist. *Note: Some users find it helpful to remove the pivot nut/bolt from the brake lever blade to access the internal bolt more easily, then reattach it after tightening. If doing so, note the spring orientation.*
4. **Repeat for Second Lever:** Follow the same steps for the other brake lever.

Image 1: The SRAM TT 500 Reverse Brake Lever Set. This image displays both black aluminum brake levers, highlighting their ergonomic design and the internal cable routing mechanism at the handlebar insertion point.

3.4 Internal Cable Routing

The SRAM TT 500 levers feature internal cable routing for a clean and aerodynamic setup. This requires careful threading of the brake cable housing through the handlebars and then through the lever body.

1. **Thread Cable Housing:** Route the brake cable housing through your handlebars to the lever's entry point.
2. **Insert Inner Cable:** Feed the inner brake cable through the lever body and housing. Ensure it moves freely without kinks or excessive friction.
3. **Connect to Caliper:** Connect the inner brake cable to your caliper or cantilever brake system according to the brake manufacturer's instructions.
4. **Adjust Cable Tension:** Adjust the cable tension to achieve the desired brake feel and lever travel. Ensure there is no slack and the brakes engage firmly.

3.5 Final Adjustments and Testing

- Ensure both brake levers are securely fastened and do not rotate or move within the handlebars.
- Check that the brake cables are properly routed and secured, and that the brake calipers engage and release smoothly.

- Test the brakes at a slow speed in a safe area before riding at higher speeds or in traffic.

4. Operating Instructions

The SRAM TT 500 Reverse Brake Levers are designed for intuitive and responsive braking control, particularly in aerodynamic riding positions.

- **Braking:** To engage the brakes, firmly squeeze the lever towards the handlebar. The amount of braking force is proportional to the pressure applied to the lever.
- **Ergonomics:** The ergonomic design and integrated return springs provide a comfortable grip and quick lever return, allowing for precise modulation of braking power.
- **Control:** Practice braking in a safe environment to become familiar with the feel and response of your new levers.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your SRAM TT 500 brake levers.

- **Cleaning:** Clean the levers regularly with a damp cloth and mild soap. Avoid harsh chemicals that could damage the finish.
- **Cable Inspection:** Periodically inspect brake cables and housing for fraying, corrosion, or damage. Replace them if any wear is observed to maintain optimal braking performance.
- **Bolt Tightness:** Check the tightness of the internal handlebar clamp bolts and the lever pivot bolts periodically. If pivot bolts become loose, apply a small amount of blue threadlocker (e.g., Loctite 242) before re-tightening to prevent future loosening.
- **Lubrication:** Ensure brake cable inner wires are lightly lubricated where they pass through housing and pivot points for smooth operation.

6. Troubleshooting

Problem	Possible Cause	Solution
Lever feels loose in handlebar	Internal expansion bolt not tight enough.	Re-tighten the internal 5mm Allen bolt. Ensure the handlebar's internal diameter is compatible. If still loose, consider using a thin shim (e.g., electrical tape) around the expansion mechanism before re-inserting and tightening.
Poor braking performance / Spongy feel	Incorrect cable tension, worn brake pads, damaged cable/housing, or caliper issues.	Adjust cable tension. Inspect and replace brake pads if worn. Check cable and housing for damage and replace if necessary. Ensure brake calipers are properly aligned and functioning.
Lever pivot bolts loosen over time	Vibration during riding.	Remove the pivot bolt, apply a small amount of blue threadlocker (e.g., Loctite 242) to the threads, and re-tighten.

Problem	Possible Cause	Solution
Cable does not move smoothly	Kinked cable housing, dirty/corroded cable, or insufficient lubrication.	Inspect cable housing for kinks and replace if damaged. Clean and lubricate the inner cable, or replace if corroded.

7. Specifications

- **Model:** 00.5215.012.010
- **Material:** Aluminum
- **Color:** Black
- **Product Dimensions:** 6.3"L x 5.7"W
- **Item Weight:** 6 ounces (0.17 Kilograms)
- **Specific Uses:** TT/Aero Lever Pair
- **Handle Attachment Mechanism:** Internal Cable Routing and Bar Clamp Mechanism
- **Compatibility:** Handlebars with internal diameter > 19mm; Caliper and Cantilever braking systems
- **UPC:** 710845637407
- **Manufacturer:** SRAM

8. Warranty & Support

8.1 Limited Warranty

SRAM products are covered by a limited warranty against defects in materials and workmanship. For specific details regarding the warranty period and terms, please refer to the official SRAM warranty policy available on their website or contact SRAM customer support. Keep your proof of purchase for warranty claims.

8.2 Customer Support

If you encounter any issues not covered in this manual or require further assistance, please contact SRAM customer support. Visit the official SRAM website for contact information, FAQs, and additional technical resources.
SRAM Official Website: www.sram.com