

**Sram 00.7618.156.000**

## **Sram Braze-On Front Derailleur**

**INSTRUCTION MANUAL - MODEL 00.7618.156.000**

### **1. Product Overview**

The Sram Braze-On Front Derailleur (Model 00.7618.156.000) is a high-performance bicycle component designed for precise and reliable shifting of the front chainrings. Manufactured with durable, lightweight aluminum, this authentic Sram part ensures smooth gear transitions and enhanced riding efficiency. Its braze-on mounting type provides a secure and integrated fit on compatible bicycle frames.



Figure 1: Sram Braze-On Front Derailleur. This image shows the complete derailleur unit, highlighting its sleek design and the braze-on mounting point.

## 2. Safety Information

Always prioritize safety when installing, operating, or maintaining bicycle components. Improper installation or adjustment can lead to serious injury or damage to your bicycle. If you are unsure about any step, consult a professional bicycle mechanic.

- Wear appropriate safety gear, including eye protection, during installation and maintenance.
- Ensure all bolts are tightened to the manufacturer's specified torque settings.
- Keep hands and clothing clear of moving parts, especially the chain and chainrings, during operation.
- Regularly inspect the derailleur and associated components for wear, damage, or loose connections.

### 3. Setup and Installation

This section outlines the steps for installing your Sram Braze-On Front Derailleur. Ensure your bicycle frame has a compatible braze-on mount.

#### 3.1. Tools Required

- Hex key set (typically 2mm, 4mm, 5mm)
- Cable cutters
- Torque wrench (recommended for precise tightening)
- Grease or anti-seize compound

#### 3.2. Installation Steps

1. **Prepare the Braze-On Mount:** Clean the braze-on mount on your frame. Apply a thin layer of grease or anti-seize compound to the mounting bolt threads.
2. **Mount the Derailleur:** Position the derailleur onto the braze-on mount. Insert the mounting bolt and hand-tighten it. Ensure the derailleur cage is parallel to the large chainring.
3. **Adjust Derailleur Angle (Yaw):** If your derailleur features Yaw technology, rotate the derailleur body around the braze-on bolt until the rear of the derailleur cage is angled slightly inward (towards the frame) when viewed from above. This angle will become parallel to the chain when shifted to the large chainring.
4. **Tighten Mounting Bolt:** Securely tighten the mounting bolt to the manufacturer's specified torque (refer to Sram's official documentation for exact torque values, typically around 5-7 Nm).
5. **Route the Cable:** Route the derailleur cable from the shifter through the frame's cable guides to the derailleur's cable anchor bolt. Ensure the cable runs smoothly without kinks.
6. **Attach and Tension Cable:** Pull the cable taut and secure it under the cable anchor bolt. Tighten the anchor bolt to the specified torque.
7. **Set Limit Screws:** Adjust the High (H) and Low (L) limit screws to prevent the chain from over-shifting off the chainrings. The H-screw controls the outward movement (large chainring), and the L-screw controls the inward movement (small chainring).
8. **Fine-Tune Cable Tension:** Use the barrel adjuster on the shifter or derailleur to fine-tune cable tension for crisp shifting.

### 4. Operating the Derailleur

The Sram front derailleur is designed for intuitive and efficient gear changes. Use your left shifter to move the chain between the front chainrings.

- **Shifting Up (to a larger chainring):** Push the shifter lever to move the chain from a smaller chainring to a larger one. This typically requires a longer lever throw.
- **Shifting Down (to a smaller chainring):** Push the release lever to move the chain from a larger chainring to a smaller one. This typically requires a shorter lever throw.
- **Cross-Chaining:** Avoid extreme gear combinations (e.g., large front chainring with large rear cog, or small front chainring with small rear cog) as this can cause excessive chain wear and noise.

## 5. Maintenance

Regular maintenance will prolong the life and performance of your Sram front derailleur.

### 5.1. Cleaning

- Clean the derailleur regularly with a mild degreaser and a brush to remove dirt and grime.
- Rinse thoroughly with water and dry completely.

### 5.2. Lubrication

- Apply a small amount of bicycle-specific lubricant to the pivot points of the derailleur.
- Avoid over-lubricating, as this can attract more dirt.

### 5.3. Inspection and Adjustment

- Periodically check the derailleur for any signs of damage, bending, or excessive play.
- Ensure the mounting bolt is secure and tightened to the correct torque.
- Check cable tension and adjust using the barrel adjuster if shifting becomes sluggish or imprecise.
- Verify that the limit screws are still correctly set to prevent over-shifting.

## 6. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Chain rubs on derailleur cage	Incorrect limit screw adjustment, insufficient cable tension, or improper derailleur angle.	Adjust H/L limit screws, increase cable tension with barrel adjuster, or re-align derailleur angle.
Slow or imprecise shifting	Loose cable, dirty/worn cable or housing, bent derailleur hanger, or dirty derailleur pivots.	Check cable tension, replace cable/housing, check/straighten hanger, clean and lubricate derailleur.
Chain falls off chainrings	Limit screws set too wide.	Adjust H or L limit screw inward to prevent over-shifting.

## 7. Specifications

- **Model Number:** 00.7618.156.000
- **Brand:** Sram
- **Color:** Black
- **Material:** Aluminum
- **Attachment Type:** Braze-On Mount
- **Style:** Yaw Brae-On Derailleur
- **Dimensions (L x W x H):** Approximately 11 x 9 x 16 cm (4.3 x 3.5 x 6.3 inches)
- **Weight:** Approximately 100 grams
- **UPC:** 710845778667

## 8. Warranty and Support

For detailed warranty information regarding your Sram Braze-On Front Derailleur, 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.

For technical support, installation assistance, or service inquiries, please visit the Sram official support page or contact their customer service department. Always ensure you have your product model number and any relevant purchase information ready when seeking support.