

SHIMANO RD-M360

Shimano RD-M360 Acera SGS Rear Derailleur Instruction Manual

Model: RD-M360

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1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Shimano RD-M360 Acera SGS Rear Derailleur. Designed for reliable gear shifting on bicycles, this component is crucial for optimal cycling performance. Please read these instructions thoroughly before use to ensure safety and prolong the lifespan of your derailleur.

2. SETUP AND INSTALLATION

Proper installation is critical for the performance and longevity of your rear derailleur. If you are unsure about any step, it is recommended to seek assistance from a qualified bicycle mechanic.

2.1 Tools Required

- Hex wrenches (typically 5mm)
- Cable cutters
- Cable crimps
- Torque wrench (recommended)
- Bicycle stand (recommended)

2.2 Installation Steps

1. **Mounting the Derailleur:** Attach the derailleur to the derailleur hanger on your bicycle frame. Ensure it is securely tightened to the manufacturer's recommended torque specifications.
2. **Cable Routing:** Route the shift cable from your shifter through the frame and into the derailleur's cable fixing bolt. Ensure the cable moves freely without kinks or excessive friction.

3. Setting Limit Screws:

- **High Limit (H-screw):** Adjust the H-screw so that the upper guide pulley aligns with the smallest cog on the cassette when the chain is on it. This prevents the chain from shifting beyond the smallest cog and into the frame.
- **Low Limit (L-screw):** Adjust the L-screw so that the upper guide pulley aligns with the largest cog on the cassette when the chain is on it. This prevents the chain from shifting beyond the largest cog and into the spokes.

4. **Cable Tension Adjustment:** With the chain on the smallest cog, pull the shift cable taut and secure it with the cable fixing bolt. Use the barrel adjuster on the shifter or derailleur to fine-tune cable tension, ensuring smooth shifts across all gears.

5. **B-Tension Adjustment:** Adjust the B-tension screw to set the gap between the upper guide pulley and the cassette cogs. A proper gap (typically 5-6mm) ensures smooth shifting and prevents the pulley from rubbing against the cogs.



Figure 1: Shimano RD-M360 Acera SGS Rear Derailleur. This image shows the main body of the derailleur, including the guide pulleys and the Acera branding.

3. OPERATING INSTRUCTIONS

The Shimano RD-M360 Acera SGS Rear Derailleur is designed for intuitive and precise gear changes. Follow these guidelines for optimal operation:

- **Shifting Technique:** Shift gears smoothly and deliberately. Avoid shifting under heavy pedaling load, as this can cause stress on the drivetrain components and lead to poor shifting or damage.
- **Anticipate Shifts:** Plan your gear changes in advance, especially when approaching hills or changes in terrain.
- **Multiple Shifts:** While the derailleur can handle multiple shifts, it is generally best to shift one gear at a time for the smoothest transition.
- **Cross-Chaining:** Avoid extreme cross-chaining (e.g., largest front chainring with largest rear cog, or smallest front chainring with smallest rear cog) as this can increase wear on the chain and cogs, and reduce shifting efficiency.

4. MAINTENANCE

Regular maintenance will ensure your derailleur operates efficiently and extends its lifespan.

4.1 Cleaning

- Clean the derailleur body and pulleys regularly, especially after riding in wet or dirty conditions. Use a degreaser and a brush to remove grime.
- Rinse thoroughly with water and dry completely.

4.2 Lubrication

- Apply a small amount of bicycle-specific lubricant to the pivot points of the derailleur and the pulley bearings.
- Avoid over-lubrication, which can attract dirt.

4.3 Inspection

- Periodically check for bent derailleur hangers, which can cause poor shifting.
- Inspect the pulley wheels for wear. Worn pulleys can lead to noisy operation and inefficient shifting.
- Check the shift cable for fraying or corrosion. Replace if necessary.
- Ensure all mounting bolts are secure.

5. TROUBLESHOOTING

Here are common issues and their potential solutions:

- **Poor Shifting / Slow Shifting:**
 - Adjust cable tension using the barrel adjuster. Turn counter-clockwise to tighten (shift to smaller cogs), clockwise to loosen (shift to larger cogs).
 - Check for a bent derailleur hanger.
 - Ensure the shift cable is clean and moves freely.
 - Verify limit screws are correctly set.
- **Chain Skipping:**

- Check for worn chain or cassette cogs.
- Adjust B-tension screw to optimize pulley-to-cog gap.
- Ensure proper cable tension.
- **Noise from Derailleur:**
 - Clean and lubricate pulleys.
 - Check for proper B-tension adjustment.
 - Inspect for bent components or foreign objects.
- **Chain Falls Off Smallest/Largest Cog:**
 - Re-adjust the H (High) or L (Low) limit screws.

6. SPECIFICATIONS

Brand	SHIMANO
Model Number	RD-M360 (Manufacturer Part Number: ERDM360SGSS)
Color	Silver
Material	Aluminum
Item Weight	0.01 Ounces (approx. 0.28 grams)
Mounting Type	Braze-On Mount
Number of Teeth (Max Cog)	34T (for largest cassette cog)
UPC	0689228245440



Figure 2: Packaging for Shimano RD-M360 Acera SGS Rear Derailleur. This image displays the product packaging with model number RD-M360 and UPC information.

7. WARRANTY INFORMATION

Specific warranty terms and conditions for the Shimano RD-M360 Acera SGS Rear Derailleur are provided by the manufacturer, Shimano. Please refer to the official Shimano website or contact your authorized Shimano dealer for detailed warranty coverage, duration, and claim procedures. Keep your proof of purchase for any warranty claims.

8. CUSTOMER SUPPORT

For technical assistance, spare parts, or further inquiries regarding your Shimano RD-M360 Acera SGS Rear Derailleur, please contact Shimano customer support or an authorized Shimano service center. Contact information can typically be found on the official Shimano website or through your product retailer.

Shimano Inc.

3-77 Oimatsu-cho, Sakai-ku, Sakai-shi, Osaka 590-8577, Japan

Shimano American Corporation

One Holland, Irvine, California 92618, U.S.A.

Phone: +1-949-951-5003

Shimano Europe B.V.

Industrieweg 24, 8071 CT Nunspeet, The Netherlands

Phone: +31-341-272222