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SHIMANO SL-M310

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PRODUCT OVERVIEW

The Shimano SL-M310 Acera Right Shifter is designed for 8-speed bicycle drivetrains, offering smooth and light action with ergonomic controls. It features an easy-to-read optical gear display for clear indication of the current gear. This shifter is a reliable component for various cycling applications.



Image: Shimano SL-M310 Acera 8-Speed Right Shifter. This image displays the right-hand shifter unit, highlighting its ergonomic design and optical gear display window.

KEY FEATURES

- **Easy to read optical gear display:** Provides clear visual confirmation of the selected gear.
- **Ergonomic shape:** Designed for comfortable and intuitive operation.
- **Smooth light action:** Ensures effortless gear changes.
- **Shimano Reference Number: SL-M310:** Identifies the specific model.

INSTALLATION AND SETUP

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, it is recommended to seek assistance from a qualified bicycle mechanic.

1. **Mounting the Shifter:** Securely attach the shifter to the handlebar using the integrated clamp. Ensure it is positioned comfortably for easy reach of the levers.
2. **Cable Routing:** Route the shifter cable from the shifter to the rear derailleur. Ensure the cable path is smooth, free from sharp bends, and does not interfere with steering or other components.

3. **Connecting the Cable:** Attach the inner cable to the rear derailleur according to the derailleur's instructions.
4. **Initial Adjustment:** With the chain on the smallest cog, adjust the cable tension using the barrel adjuster on the shifter or derailleur until shifting is crisp and precise across all 8 gears. Refer to your derailleur's specific adjustment guide for detailed steps.
5. **Limit Screw Adjustment:** Ensure the high (H) and low (L) limit screws on the rear derailleur are correctly set to prevent the chain from shifting beyond the smallest or largest cog.

Note: The shifter comes with a pre-installed inner cable. Ensure the outer casing is cut to the appropriate length for your bicycle frame.

OPERATING INSTRUCTIONS

The Shimano SL-M310 Acera Right Shifter operates with two levers for changing gears on your 8-speed rear derailleur.

- **Shifting to a Higher Gear (Smaller Cog):** Press the smaller lever (typically operated by your thumb) to shift the chain to a smaller cog, increasing your speed.
- **Shifting to a Lower Gear (Larger Cog):** Press the larger lever (typically operated by your index finger) to shift the chain to a larger cog, decreasing your speed and making pedaling easier.
- **Optical Gear Display:** Observe the window on the shifter body to see the numerical indication of your current gear.

Always shift gears while pedaling forward with moderate pressure. Avoid shifting under heavy load or while stationary to prevent damage to the drivetrain.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your shifter.

- **Cleaning:** Keep the shifter body and levers clean from dirt and grime. Use a damp cloth and mild soap if necessary.
- **Cable Inspection:** Periodically check the shifter cable and housing for fraying, kinks, or corrosion. Replace damaged cables and housing promptly.
- **Lubrication:** Apply a small amount of bicycle-specific lubricant to the pivot points of the shifter levers and the exposed sections of the inner cable where it enters the housing. Avoid over-lubrication.
- **Adjustment Check:** Regularly check gear shifting for precision. If shifting becomes sluggish or inaccurate, re-adjust the cable tension.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Difficulty Shifting:**
 - Check cable tension. Adjust the barrel adjuster to increase or decrease tension.
 - Inspect cable and housing for damage or friction. Replace if necessary.
 - Ensure the derailleur is clean and properly lubricated.
- **Optical Gear Display Not Changing:**
 - This can sometimes occur if the internal mechanism is sticky. Try actuating the shifter multiple

times.

- Ensure the shifter is clean and free of debris.

- **Chain Rubbing:**

- Re-check derailleur limit screw adjustments.
- Verify cable tension is correct.

For persistent issues, consult a professional bicycle mechanic.

TECHNICAL SPECIFICATIONS

| | |
|--------------------------------|------------------------|
| Brand | SHIMANO |
| Model Number | ESLM310R8ATP (SL-M310) |
| Speed Compatibility | 8-Speed (Right) |
| Material | Aluminum |
| Color | Black Aluminum |
| Hand Orientation | Right |
| Item Dimensions (L x W) | 4.25" x 3.75" |
| Item Weight | 2.31 Pounds |

WARRANTY AND SUPPORT

This Shimano product is covered by the manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the documentation provided with your purchase or visit the official Shimano website.

For further support, product information, or to locate authorized service centers, please visit the official Shimano brand store or contact Shimano customer service.

Official Shimano Brand Store: Visit the SHIMANO Store