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SHIMANO ST-9150

SHIMANO Dura-Ace ST-9150 Di2 Shift/Brake Lever Instruction Manual

1. PRODUCT OVERVIEW

The SHIMANO Dura-Ace ST-9150 Di2 Shift/Brake Lever is designed for road cycling, offering precise electronic shifting and reliable braking performance. This component integrates the electronic shifting buttons and hydraulic brake lever into a single ergonomic unit, optimized for comfortable hand positioning and efficient control during rides.



Figure 1: Front view of the SHIMANO Dura-Ace ST-9150 Di2 Shift/Brake Lever, showcasing its ergonomic design and integrated electronic shifting buttons.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and optimal performance of your SHIMANO Dura-Ace ST-9150 Di2 Shift/Brake Lever. It is recommended that installation be performed by a qualified bicycle mechanic.

2.1 Mounting to Handlebars

1. Position the lever on the handlebar, ensuring it is at the desired angle for comfortable reach and control.
2. Tighten the handlebar clamp bolt to the manufacturer's specified torque using a torque wrench. Overtightening can damage the handlebar or lever body.

2.2 Di2 Electrical Connection

1. Connect the Di2 E-Tube wire from the lever to the appropriate port on the Di2 junction box. Ensure the connection is secure and fully inserted.

2. Route the E-Tube wire neatly along the handlebar and frame, securing it with cable ties or internal routing as appropriate.

2.3 Brake System Connection

1. For hydraulic brake systems, connect the hydraulic brake hose to the lever body according to SHIMANO's hydraulic brake installation instructions. Bleed the brake system thoroughly to remove any air.
2. For mechanical brake systems, route the brake cable through the lever and connect it to the brake caliper, adjusting tension as needed.



Figure 2: View of the lever hoods, which provide grip and cover the internal components.

3. OPERATING INSTRUCTIONS

3.1 Shifting Operation

- **Up-Shift:** Press the upper button on the lever body to shift to a larger gear (harder pedaling).
- **Down-Shift:** Press the lower button on the lever body to shift to a smaller gear (easier pedaling).

- **Multi-Shift:** The Di2 system allows for continuous shifting by holding down a shift button. This function can be customized via the E-Tube Project software.

3.2 Braking Operation

- Pull the brake lever towards the handlebar to engage the brake. Apply pressure smoothly and progressively for controlled deceleration.
- Ensure brake pads are properly aligned and make full contact with the rim or rotor.

3.3 Reach Adjustment

The lever features a reach adjustment mechanism to customize the distance from the handlebar to the lever blade. This allows riders to fine-tune the lever position for optimal comfort and control. Refer to the detailed SHIMANO technical documentation for specific adjustment procedures.

4. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your shift/brake lever.

- **Cleaning:** Regularly clean the lever body and hoods with a mild soap and water solution. Avoid harsh chemicals that may damage the materials.
- **Brake System Check:** Periodically inspect brake cables/hoses for wear, fraying, or leaks. Ensure brake fluid levels are adequate for hydraulic systems.
- **Di2 System Check:** Ensure all E-Tube connections are secure. Check the Di2 battery charge level regularly. Update firmware using the SHIMANO E-Tube Project software as recommended.
- **Lever Pivot Points:** Keep pivot points clean and free of debris. Lubricate sparingly with a light lubricant if necessary, avoiding contact with braking surfaces.

5. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Shifting is unresponsive or inconsistent.	Low Di2 battery, loose E-Tube connection, firmware issue, derailleur adjustment.	Charge Di2 battery. Check all E-Tube connections. Update firmware. Adjust front/rear derailleur.
Brake lever feels spongy or lacks power.	Air in hydraulic system (hydraulic brakes), worn brake pads, stretched cable (mechanical brakes).	Bleed hydraulic brake system. Replace worn brake pads. Replace brake cable and adjust tension.
Lever reach adjustment not working.	Adjustment screw seized or damaged.	Inspect adjustment screw for debris or damage. Apply a small amount of lubricant. If damaged, seek professional service.

6. SPECIFICATIONS

Feature	Specification

Feature	Specification
Model Number	ST-9150
Series	Dura-Ace Di2
Material (Hood)	Carbon Composite
Material (Handle)	Carbon
Activity	Road Cycling
Adjustability	Reach Adjust Range
Hand Orientation	Left
Color	Black
Approximate Item Weight	250g (8.8 ounces)
Product Dimensions	8 x 7 x 3 inches

7. WARRANTY INFORMATION

The SHIMANO Dura-Ace ST-9150 Di2 Shift/Brake Lever is covered by a limited warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the official SHIMANO warranty policy document available on the SHIMANO website or contact your authorized SHIMANO dealer. Keep your proof of purchase for warranty claims.

8. SUPPORT

For further assistance, technical support, or service inquiries regarding your SHIMANO Dura-Ace ST-9150 Di2 Shift/Brake Lever, please contact SHIMANO customer service or visit the official SHIMANO website. You can also consult your local authorized SHIMANO dealer for professional advice and service.

- **SHIMANO Official Website:** www.shimano.com
- **Dealer Locator:** Use the dealer locator tool on the SHIMANO website to find an authorized service center near you.