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SHIMANO IST4700LI2

Shimano Tiagra ST-4700 2-Speed Left Shift/Brake Lever User Manual

Model: IST4700LI2

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Shimano Tiagra ST-4700 2-Speed Left Shift/Brake Lever. Designed for road cycling, this component integrates both shifting and braking functions for the front derailleur and front brake. Please read these instructions carefully before use to ensure safe and optimal performance.



Image: The Shimano Tiagra ST-4700 2-Speed Left Shift/Brake Lever, shown in black. This image displays the integrated shift and brake lever unit, designed for the left side of a bicycle handlebar.

SETUP AND INSTALLATION

Mounting the Lever

1. Ensure your handlebar is clean and free of grease.
2. Position the lever on the left side of the handlebar, ensuring comfortable reach and angle.
3. Secure the lever using the integrated clamp. Tighten the bolt to the manufacturer's specified torque (refer to a Shimano dealer manual for precise torque values). Do not overtighten.

Cable Installation

1. **Brake Cable:** Insert the brake cable head into the lever body. Route the cable through the housing and connect it to the front brake caliper. Adjust cable tension for proper brake function.
2. **Shift Cable:** Insert the shift cable head into the lever body. Route the OPTISLICK cable through the housing and connect it to

the front derailleur. Adjust cable tension for smooth shifting.

Reach Adjustment

The lever features a Reach Adjust mechanism. Use an appropriate hex key to adjust the lever's distance from the handlebar to suit your hand size and riding preference. Ensure both brake and shift levers are comfortably accessible.

Note: For complex installations or if you are unsure, it is recommended to consult a professional bicycle mechanic.

OPERATING INSTRUCTIONS

Shifting Gears (Front Derailleur)

- **Upshift (to larger chainring):** Push the main brake lever inwards towards the handlebar. This action will move the front derailleur to a larger chainring.
- **Downshift (to smaller chainring):** Push the smaller lever (behind the main brake lever) inwards towards the handlebar. This action will move the front derailleur to a smaller chainring.
- Ensure smooth and deliberate movements for precise gear changes.

Braking

- To engage the front brake, pull the main brake lever towards the handlebar.
- The SUPER SLR design provides superior response and modulation, allowing for controlled braking. Apply pressure gradually for smooth deceleration.
- Always test your brakes before riding.

MAINTENANCE

Cleaning

- Regularly wipe down the lever body with a soft, damp cloth to remove dirt and grime.
- Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or internal components.

Cable Care

- The OPTISLICK cables are designed for enhanced routing efficiency and corrosion resistance. However, periodic inspection for fraying or damage is recommended.
- If cables become stiff or shifting/braking performance degrades, consider replacing them.

General Inspection

- Periodically check all bolts and fasteners for proper tightness.
- Inspect the lever body for any cracks or damage.
- Ensure the lever returns smoothly to its original position after braking or shifting.

TROUBLESHOOTING

Poor Shifting Performance

- **Check Cable Tension:** Insufficient or excessive cable tension can affect shifting. Adjust the barrel adjuster on the derailleur or lever if present.
- **Inspect Cables and Housing:** Frayed cables or damaged housing can cause friction. Replace if necessary.
- **Derailleur Adjustment:** Ensure the front derailleur is properly aligned and its limit screws are correctly set.

Spongy or Ineffective Braking

- **Check Brake Cable Tension:** A loose brake cable will result in a spongy feel. Tighten the cable at the caliper.
- **Inspect Brake Pads:** Worn brake pads reduce braking effectiveness. Replace them if worn.
- **Cable Condition:** Damaged or corroded brake cables can hinder performance. Replace if needed.

If issues persist after basic troubleshooting, consult a qualified bicycle mechanic.

SPECIFICATIONS

Feature	Detail
Brand	SHIMANO
Model Number	IST4700LI2
Product Name	Tiagra ST-4700 2-Speed Left Shift/Brake Lever
Hand Orientation	Left
Speeds	2-Speed (Front Derailleur)
Drivetrain Compatibility	10-speed Road
Material	Aluminum
Color	Black
Item Weight	1.01 pounds (approx.)
Product Dimensions	8.39"L x 6.95"W (approx.)
Special Features	Reach Adjust Mechanism, OPTISLICK Cables, SUPER SLR Design

WARRANTY AND SUPPORT

Warranty Information

This Shimano product is covered by a Limited Warranty. For specific terms and conditions, please refer to the warranty documentation provided with your purchase or visit the official Shimano website.

Customer Support

For technical assistance, spare parts, or further inquiries, please contact your authorized Shimano dealer or visit the official Shimano support channels. Ensure you have your product model number (IST4700LI2) available when seeking support.