## SHIMANO ESTA070RIX

# Shimano Tourney ST-A070 Right 7-Speed STI Lever Instruction Manual

Model: ESTA070RIX

## 1. Introduction

This manual provides instructions for the proper installation, operation, and maintenance of your Shimano Tourney ST-A070 Right 7-Speed STI Lever. This component is designed to integrate both shifting and braking functions into a single unit for 7-speed bicycle drivetrains. For optimal performance and safety, please read this manual thoroughly before use and retain it for future reference.




Image 1.1: Shimano Tourney ST-A070 Right 7-Speed STI Lever. This image shows the black-colored lever designed for right-hand operation on a drop bar, featuring integrated shift and brake mechanisms.

## 2. Safety Information

- Always wear appropriate safety gear, including gloves and eye protection, when installing or maintaining bicycle components.
- Ensure all bolts and fasteners are tightened to the manufacturer's specified torque settings. Overtightening or undertightening can lead to component failure or injury.
- Regularly inspect brake and shift cables for wear, fraying, or damage. Replace damaged cables immediately.
- Test brake and shifting functions thoroughly before riding the bicycle.
- If you are unsure about any installation or adjustment procedure, consult a professional bicycle mechanic.

## 3. Package Contents

Verify that all components are present in the package:

- Shimano Tourney ST-A070 Right 7-Speed STI Lever
- Installation Hardware (e.g., mounting bolts, cable end caps)

## 4. Setup

### 4.1. Installation on Handlebar

1. Position the STI lever on the right side of your drop handlebar. Ensure it is placed in a comfortable and accessible position for both braking and shifting.
2. Secure the lever to the handlebar using the provided clamp and bolt. Tighten the bolt gradually and evenly to the manufacturer's specified torque. Do not overtighten.

### 4.2. Cable Routing and Connection

1. **Brake Cable:** Insert the brake cable into the lever body. Route the cable along the handlebar and frame, securing it with cable ties or clips as necessary, to the front brake caliper. Connect and adjust the brake cable tension.
2. **Shift Cable:** Insert the shift cable into the designated port on the lever. Route the cable along the handlebar and frame to the rear derailleur. Connect and adjust the shift cable tension. Ensure smooth movement of the cable through housing.

### 4.3. Reach Adjustment

The ST-A070 lever features an adjustable reach mechanism to accommodate different hand sizes. Use the included spacers or adjustment screws (if applicable) to modify the distance of the lever blade from the handlebar. Adjust until a comfortable and secure grip is achieved for both braking and shifting.

## 5. Operating

### 5.1. Shifting Gears

The STI lever integrates both brake and shift functions. To shift:

- **Upshift (to a smaller cog/higher gear):** Push the smaller inner lever blade inwards towards the handlebar. This will move the chain to a smaller cog on the cassette.
- **Downshift (to a larger cog/lower gear):** Push the main brake lever blade inwards towards the handlebar. This will move the chain to a larger cog on the cassette.

The optical gear display provides a visual indication of your current gear position, allowing for quick and precise gear changes.

### 5.2. Braking

To apply the brake, pull the main lever blade towards the handlebar. The amount of braking force is proportional to the pressure applied to the lever. Ensure smooth and controlled braking.

## 6. Maintenance

- **Cleaning:** Regularly clean the lever body and surrounding areas with a mild soap and water solution. Avoid using harsh chemicals that may damage plastic or painted surfaces.
- **Lubrication:** Apply a small amount of bicycle-specific lubricant to the pivot points of the lever and the exposed sections of the shift and brake cables periodically to ensure smooth operation.
- **Cable Inspection:** Inspect brake and shift cables and housing for signs of wear, corrosion, or fraying. Replace cables and housing as needed to maintain optimal performance and safety.

- **Bolt Check:** Periodically check the tightness of the handlebar clamp bolt and any other fasteners to ensure they are secure.

## 7. Troubleshooting

- **Poor Shifting Performance:** Check for proper cable tension, ensure cables are not frayed or sticky, and verify that the rear derailleur is properly adjusted and not bent.
- **Spongy Brake Feel:** This may indicate loose brake cable tension or issues with the brake caliper. Inspect cable routing and tension, and ensure brake pads are properly aligned and not excessively worn.
- **Lever Not Returning:** Clean and lubricate the lever's pivot points. Check for any obstructions or damage to the internal mechanism.
- If issues persist after basic troubleshooting, consult a professional bicycle mechanic.

## 8. Specifications

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|---|---|
| **Model Number** | ESTA070RIX |
| **Brand** | SHIMANO |
| **Color** | Black |
| **Material** | Multi (Engineering plastics and metal components) |
| **Style** | Brake/Shift Lever, Drop Bar-Right |
| **Hand Orientation** | Right |
| **Speed Compatibility** | 7-Speed |
| **Product Dimensions** | 6.25"L x 5.5"W |
| **Item Weight** | 12 ounces |
| **UPC** | 689228337497 |

## 9. Warranty Information

This Shimano product is covered by a limited warranty. For specific details regarding warranty terms, conditions, and duration, please refer to the warranty documentation included with your purchase or visit the official Shimano website. Keep your proof of purchase for warranty claims.

## 10. Support

For technical assistance, replacement parts, or further inquiries, please contact Shimano customer support. You can find contact information and additional resources on the official Shimano website or through authorized Shimano dealers. Visit the SHIMANO Store for more product information.


### Ask a question about this manual

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**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**