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› SHIMANO S-PHYRE RC903 Cycling Shoe User Manual

## SHIMANO SH-RC903

# SHIMANO S-PHYRE RC903 Cycling Shoe User Manual

Model: SH-RC903

## 1. PRODUCT OVERVIEW

The SHIMANO S-PHYRE RC903 cycling shoe is an advanced road competition shoe designed for optimal performance, comfort, and a refined aesthetic. It features a lightweight and breathable microfiber upper, ensuring a secure fit and consistent comfort during intense cycling. The shoe incorporates high-end heel pad finishing and anti-twist stabilization to maintain optimal foot positioning, crucial for efficient power transfer.

Key design elements include a low-profile cross lacing system that elegantly stabilizes the forefoot, and a 360° surround-wrapped upper that provides a seamless, integrated fit for various foot shapes. Dual BOA Li2 dials allow for quick, precise micro-adjustments, enabling riders to fine-tune their fit on the go. The seamless, integrated midsole and upper structure contribute to new levels of fit, stability, and lightness, making the SHIMANO S-PHYRE RC903 a top-tier choice for competitive road cyclists.



Figure 1.1: Side view of the SHIMANO S-PHYRE RC903 cycling shoe, showcasing its sleek design and BOA dials.

## 2. FEATURES

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- **Lightweight and Breathable Microfiber Upper:** Provides superior grip and consistent comfort.
- **High-End Finish Heel Pad and Anti-Twist Stabilization:** Ensures optimal foot positioning for efficient power transfer.
- **Low-Profile Cross Lacing:** Elegantly stabilizes the forefoot.
- **360° Surround Wrapped Upper:** Offers a perfect, integrated fit for all cyclists.
- **Dual BOA Li2 Dials:** Allow for quick and precise micro-adjustments for a customized fit.
- **Seamless, Integrated Midsole and Upper Structure:** Contributes to enhanced fit, stability, and lightness.
- **SHIMANO DYNALAST:** Optimized last design for reduced braking loss and more efficient pedaling.
- **Road SPD-SL Sole:** Compatible with SPD-SL cleat systems, offering a rigidity rating of 12 for maximum power transfer.



Figure 2.1: Detailed side view highlighting the BOA Li2 dials and the microfiber upper material.

## 3. SETUP

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### 3.1 Cleat Installation (SPD-SL)

The SHIMANO S-PHYRE RC903 shoes are designed for use with SPD-SL road cleats. Proper cleat placement is crucial for comfort, efficiency, and injury prevention. It is recommended to have a professional bike fitter assist with initial cleat setup.

1. **Prepare Cleats:** Ensure your SPD-SL cleats are clean and free of debris.
2. **Align Cleats:** Position the cleat on the sole of the shoe, aligning it with the marked grid lines. The cleat should generally be centered under the ball of your foot.

3. **Secure Cleats:** Insert the cleat bolts through the cleat and into the threaded inserts in the shoe sole. Hand-tighten the bolts initially.
4. **Adjust Position:** Adjust the cleat forward/backward and side-to-side to find your optimal position. You can also adjust the rotational angle (float).
5. **Final Tightening:** Once the desired position is found, tighten the cleat bolts securely using a 4mm hex key. Refer to the cleat manufacturer's instructions for specific torque recommendations.



Figure 3.1: Underside view of the shoe, showing the carbon sole and SPD-SL cleat mounting area with alignment marks.

## 3.2 Initial Fit Adjustment

Before your first ride, put on the shoes and adjust the BOA Li2 dials to achieve a snug, comfortable fit. Ensure there are no pressure points or excessive looseness.

## 4. OPERATING

### 4.1 Putting On the Shoes

1. **Loosen Dials:** To fully loosen the BOA Li2 dials, pull them upwards until they click. This releases the tension completely.
2. **Insert Foot:** Slide your foot into the shoe.
3. **Engage Dials:** Push the BOA dials back down to engage the lacing system.
4. **Tighten:** Turn the BOA dials clockwise to tighten the shoe. Turn both dials simultaneously for even pressure distribution. Adjust until the shoe feels secure but not overly tight.

### 4.2 Adjusting During Ride

The BOA Li2 dials allow for micro-adjustments while riding:

- **Tighten:** Turn the dial clockwise in small increments to increase tension.
- **Loosen:** Turn the dial counter-clockwise in small increments to release tension. For a quick full release, pull the dial upwards.

### 4.3 Taking Off the Shoes

Pull the BOA Li2 dials upwards until they click to fully release the tension. This allows the shoe to open wide for easy removal.



Figure 4.1: Front view of the pair of shoes, showing the dual BOA dials and the lacing system.

## 5. MAINTENANCE

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### 5.1 Cleaning

- **After Each Ride:** Wipe down the shoes with a damp cloth to remove dirt, dust, and sweat.
- **Deep Cleaning:** For more thorough cleaning, use a mild soap and water solution. Avoid harsh chemicals or abrasive cleaners.
- **Drying:** Allow shoes to air dry naturally at room temperature. Do not use direct heat sources (e.g., hair dryer, radiator) as this can damage materials. Remove insoles to aid drying.
- **BOA Dials:** Periodically clean around the BOA dials and laces to prevent debris buildup that could affect their smooth operation.

### 5.2 Storage

Store your cycling shoes in a cool, dry place away from direct sunlight and extreme temperatures. Ensure they are clean and dry before storage to prevent mold or odor buildup.

### 5.3 Inspection

Regularly inspect your shoes for signs of wear and tear, especially on the sole, cleats, and BOA lacing system. Replace worn cleats promptly to maintain safe and efficient pedaling.

## 6. TROUBLESHOOTING

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- **Discomfort/Hot Spots:**
  - Check cleat position. Small adjustments can make a significant difference.
  - Ensure BOA dials are not overtightened. Loosen slightly and re-adjust.
  - Consider different socks or aftermarket insoles if issues persist.
- **Cleat Slippage:**
  - Ensure cleat bolts are tightened to the manufacturer's recommended torque.
  - Inspect cleats for wear; replace if worn.

- **BOA Dial Malfunction:**
  - Clean around the dial and laces to remove any trapped dirt or debris.
  - If a dial is damaged, contact SHIMANO support or an authorized dealer for replacement parts. BOA dials are often covered by a separate warranty.
- **Squeaking Noise:**
  - Often caused by cleats rubbing against pedals. Apply a small amount of dry lubricant to the cleat-pedal interface.
  - Check if cleat bolts are loose.

## 7. SPECIFICATIONS

| Attribute                | Detail                                        |
|--------------------------|-----------------------------------------------|
| Model Name               | SHIMANO S-PHYRE RC903 (SH-RC903)              |
| Series                   | Road SPD-SL                                   |
| Sole Rigidity            | 12                                            |
| Average Weight (Size 42) | 239.0g                                        |
| Last Type                | SHIMANO DYNALAST                              |
| Upper Material           | Faux Leather; Mesh                            |
| Outer Material           | Faux Leather                                  |
| Inner Material           | Manmade                                       |
| Sole Material            | Rubber (Carbon Fiber Composite for stiffness) |
| Closure Type             | Lace-Up (BOA Li2 Dials)                       |
| Gender                   | Unisex                                        |
| Date First Available     | February 10, 2023                             |

### 7.1 Size Guide

The following table provides a general size guide for SHIMANO cycling shoes. Please note that fit can vary, and it is always recommended to try on shoes before purchase if possible.

| Brand Size                  | US Size | EU Size | Heel to toe (in) |
|-----------------------------|---------|---------|------------------|
| 6.5-7 Women/5-5.5 Men       | 5-5.5   | 38      | 9.4              |
| 7-7.5 Women / 5.5-6 Men     | 6       | 39      | 9.6              |
| 7.5-8 Women / 6.5-7 Men     | 7       | 40      | 9.9              |
| 8.5-9 Women / 7.5-8 Men     | 7-7.5   | 41      | 10.2             |
| 9-9.5 Women / 8-8.5 Men     | 8.5     | 42      | 10.4             |
| 10-10.5 Women / 8.5-9 Men   | 9       | 43      | 10.7             |
| 11-11.5 Women / 9.5-10 Men  | 10      | 44      | 10.9             |
| 12.5-13 Women / 10-10.5 Men | 10.5    | 45      | 11.2             |
| 14-14.5 Women / 11-11.5 Men | 11-11.5 | 46      | 11.5             |
| 15-15.5 Women / 11.5-12 Men | 12      | 47      | 11.7             |
| 16-16.5 Women / 12-12.5 Men | 12.5    | 48      | 12               |



Figure 7.1: Top-down view of the shoes, showing the overall shape and BOA dial placement.

## 8. WARRANTY AND SUPPORT

SHIMANO products are manufactured to high standards and are typically covered by a manufacturer's warranty against defects in materials and workmanship. The specific warranty period and terms may vary by region and product type.

For detailed warranty information, product support, or to find an authorized service center, please visit the official SHIMANO website or contact your local SHIMANO dealer.

You can also visit the [SHIMANO Store on Amazon](#) for more product information and resources.

## ASK A QUESTION ABOUT THIS MANUAL

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

### Details

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