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**RockShox 00.4020.559.000**

# RockShox Reba RL Suspension Fork User Manual

Model: 00.4020.559.000

## 1. INTRODUCTION

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The RockShox Reba RL Suspension Fork is engineered to deliver consistent performance and durability for a wide range of mountain biking disciplines, from cross-country racing to aggressive trail riding. This manual provides essential information for the setup, operation, and maintenance of your Reba RL fork to ensure optimal performance and longevity.



Figure 1.1: Full view of the RockShox Reba RL Suspension Fork, showcasing its sleek black finish and robust design.

## 2. SETUP

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### 2.1 Installation

For proper and safe installation, it is highly recommended that the RockShox Reba RL Suspension Fork be installed by a qualified bicycle mechanic. Incorrect installation can lead to serious injury or damage to the product.

### 2.2 Air Pressure Adjustment (Solo Air)

The Reba RL fork utilizes the Solo Air spring system, allowing for easy adjustment of both positive and negative air chambers simultaneously through a single Schrader valve. Refer to the air pressure guide on the fork's lower leg or the official RockShox website for recommended pressure settings based on rider weight and riding style.

1. Locate the Schrader valve cap on the top of the left fork leg.
2. Remove the cap and attach a high-pressure shock pump.
3. Add or release air to achieve the desired pressure.
4. Remove the pump and replace the valve cap.



Figure 2.1: Top of the left fork leg showing the blue adjustment knob and the location for air pressure adjustment.

## 2.3 Sag Setting

Sag is the amount the suspension compresses under the rider's weight. Proper sag setting is crucial for optimal performance. The Reba RL fork features sag gradients on the stanchion to assist with this process.

1. With the fork at full extension, slide the rubber sag ring (o-ring) down to the wiper seal.
2. Mount your bicycle in your typical riding gear and position.
3. Gently dismount the bicycle without bouncing the suspension.

4. Measure the distance from the wiper seal to the sag ring. This is your sag. Adjust air pressure as needed to achieve the recommended sag (typically 15-25% of travel).



Figure 2.2: The fork stanchion displaying sag indicators, which aid in setting the correct suspension sag.

## 2.4 Rebound Adjustment

Rebound damping controls the speed at which the fork extends after compression. The red rebound knob is located at the bottom of the right fork leg.

- Turn the knob clockwise for slower rebound (more damping).
- Turn the knob counter-clockwise for faster rebound (less damping).

Adjust rebound to prevent the fork from packing up on successive bumps or topping out too quickly.



Figure 2.3: The lower right leg of the fork, showing the Maxle thru-axle and the red rebound adjustment knob at the very bottom.

## 2.5 Compression/Lockout Adjustment

The blue Motion Control RL damper knob on the top of the right fork leg controls low-speed compression and lockout.

- Turn the knob clockwise to increase low-speed compression damping, making the fork feel firmer.
- Continue turning clockwise to engage the lockout feature, which stiffens the fork for climbing or smooth terrain. The blow-off valve allows the fork to still absorb large impacts even when locked out.
- Turn the knob counter-clockwise to decrease compression damping or disengage the lockout.

## 3. OPERATING

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The RockShox Reba RL fork is designed for versatile riding. Understanding its features will enhance your riding experience.

### 3.1 General Riding

For most trail riding, operate the fork in the open compression setting. This allows the fork to absorb bumps and maintain traction effectively. Adjust rebound damping to match terrain and rider preference.

### 3.2 Using Lockout

The lockout feature is beneficial for climbing steep ascents, riding on smooth roads, or sprinting. It minimizes suspension movement, improving pedaling efficiency. Remember to disengage the lockout when returning to technical terrain to allow the fork to absorb impacts and provide control.

## 4. MAINTENANCE

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Regular maintenance is essential to keep your Reba RL fork performing at its best and to extend its lifespan.

### 4.1 Cleaning

- After each ride, especially in dirty or wet conditions, wipe down the stanchions (upper tubes) with a clean, soft cloth.
- Clean the seals and the area around the arch to remove dirt and debris.
- Avoid using high-pressure washers directly on seals or bearings.

### 4.2 Service Intervals

For detailed service schedules, refer to the official RockShox service manual available on their website. Generally, regular lower leg service (cleaning and lubricating foam rings, replacing dust wipers) is recommended every 50 hours of riding or annually, whichever comes first. A full damper and air spring service is typically recommended every 100-200 hours or biennially.

### 4.3 Inspection

Periodically inspect your fork for any signs of damage, such as scratches on the stanchions, oil leaks, or unusual play. If any issues are found, consult a qualified bicycle mechanic immediately.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Reba RL fork.

Problem	Possible Cause	Solution
Fork feels too stiff or harsh	Too much air pressure; compression damping too high	Reduce air pressure; decrease compression damping
Fork feels too soft or bottoms out easily	Too little air pressure; insufficient compression damping	Increase air pressure; increase compression damping
Fork extends too quickly (pogo stick feel)	Rebound damping too fast	Increase rebound damping (turn red knob clockwise)

Problem	Possible Cause	Solution
Fork packs up (doesn't extend fully between bumps)	Rebound damping too slow	Decrease rebound damping (turn red knob counter-clockwise)
Oil leak around seals	Worn seals; excessive dirt buildup	Clean seals; consider lower leg service or seal replacement by a professional

If you experience persistent issues or are unsure about any troubleshooting steps, it is always best to consult a certified RockShox service center or a qualified bicycle mechanic.

## 6. SPECIFICATIONS

Key specifications for the RockShox Reba RL Suspension Fork (Model: 00.4020.559.000):

Feature	Detail
Brand Name	RockShox
Model Name	00.4020.559.000
Item Weight	500 Grams
Package Weight	2.68 Kilograms
Material	Aluminum
Color	Multicoloured (primarily black)
Included Components	Suspension Fork
Item Package Dimensions L x W x H	36.9 x 8.6 x 4.7 inches
Model Year	2021

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

The RockShox Reba RL Suspension Fork comes with a Limited Warranty. For specific terms, conditions, and duration of the warranty, please refer to the warranty documentation included with your product or visit the official RockShox website.

### 7.2 Customer Support

For technical support, service inquiries, or to locate an authorized service center, please visit the official RockShox website or contact their customer service department. Always provide your product's model name and serial number when seeking support.

