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RockShox Reba RL Suspension Fork 00.4020.559.002

RockShox Reba RL Suspension Fork 26" 130mm A2 Instruction Manual

Model: Reba RL Suspension Fork (Part Number: 00.4020.559.002)

INTRODUCTION

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your RockShox Reba RL Suspension Fork. Please read this manual thoroughly before using your fork to ensure safe and optimal performance. For detailed technical specifications and service procedures, refer to the official RockShox service manuals available on the RockShox website.



Image: The RockShox Reba RL Suspension Fork, showing its overall design.

KEY FEATURES

- **Solo Air Spring:** Allows you to add air to your fork through a single Schrader valve, simplifying air spring setup.
- **Motion Control RL Damper:** Features adjustable low-speed compression and a lockout function with a blow-off valve for versatile performance.
- **Proven Performance:** Incorporates technologies developed on SID and Revelation platforms, offering reliable RockShox performance.
- **Chassis Options:** Designed for various riding styles, from XC to trail riding.
- **Included Components:** Comes with a Star Nut and Maxle Stealth axle.

SETUP

1. Installation

Fork installation should be performed by a qualified bicycle mechanic. Incorrect installation can lead to serious injury or damage to your bicycle. Ensure the steerer tube is cut to the correct length, the crown race is properly seated, and the stem and handlebars are securely fastened according to manufacturer specifications.

2. Air Pressure Adjustment (Solo Air)

The Solo Air spring allows for easy adjustment of the fork's firmness. Locate the Schrader valve cap on the top of the left fork leg. Remove the cap and attach a high-pressure shock pump. Refer to the air pressure guide (often a sticker on the fork leg or in a separate guide) for recommended pressure settings based on rider weight and riding style. Inflate or deflate the fork to the desired pressure. Always cycle the fork through its travel a few times after adjusting pressure to equalize positive and negative air chambers.

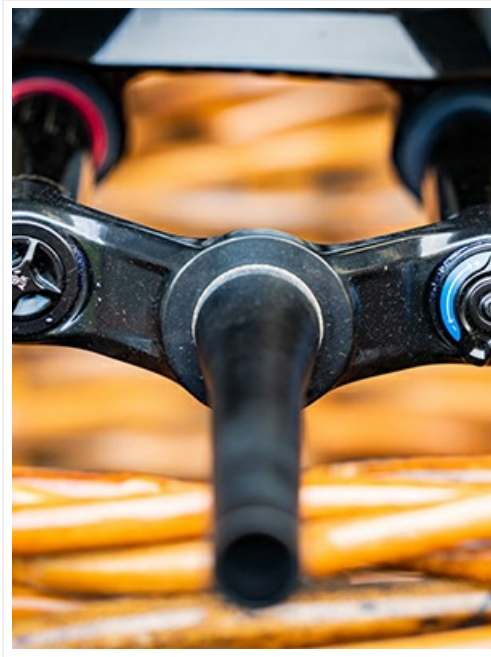


Image: Top of the fork crown, showing the air valve and damper adjusters.

3. Damper Adjustment (Motion Control RL)

The Motion Control RL damper offers compression and lockout adjustments.

- **Rebound Adjustment:** The red knob at the bottom of the right fork leg controls rebound damping. Turn it clockwise for slower rebound (less bounce) and counter-clockwise for faster rebound (more bounce). Adjust to prevent packing up on successive bumps or feeling too harsh.
- **Compression/Lockout Adjustment:** The blue knob on the top of the right fork leg controls low-speed compression and lockout.
 - Turn the knob clockwise to increase low-speed compression, making the fork firmer.
 - Continue turning clockwise to engage the lockout, 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 counter-clockwise to decrease compression and disengage the lockout, allowing the fork to move freely.



Image: Detail of the blue compression and lockout adjuster knob on the fork crown.

OPERATING INSTRUCTIONS

Once installed and set up, your Reba RL fork is ready for use. Remember to adjust your settings based on terrain and riding conditions.

- **Before Each Ride:** Check air pressure, ensure quick release or thru-axle is secure, and wipe down stanchions.
- **On the Trail:** Utilize the compression and lockout features as needed. Lockout is beneficial for smooth climbs and road sections, while open compression is ideal for technical descents and rough terrain.

MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your suspension fork.

- **Cleaning:** After each ride, clean the stanchions and seals with a soft cloth and mild soap and water. Avoid high-pressure washers directly on seals.
- **Lubrication:** Apply a small amount of suspension-specific lubricant to the stanchions and cycle the fork a few times. Wipe off any excess.
- **Service Intervals:** RockShox recommends regular service intervals. Typically, lower leg service (dust wiper and foam ring replacement, oil change) is recommended every 50 hours of riding or annually, whichever comes first. Full damper and air spring service is recommended every 100-200 hours or every two years. Consult the official RockShox service manual for precise intervals and procedures.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Fork feels too soft or bottoms out easily	Low air pressure	Increase air pressure using a shock pump.
Fork feels too stiff or doesn't use full travel	High air pressure; too much compression damping	Decrease air pressure. Turn compression knob counter-clockwise.
Fork is noisy or has excessive play	Loose headset; worn bushings; low oil level	Check headset adjustment. If noise persists, professional service may be required.
Oil leaking from seals	Worn or damaged seals	Replace dust wipers and foam rings. Professional service recommended.

SPECIFICATIONS

Feature	Detail
Brand Name	RockShox
Model Name	Reba RL Suspension Fork
Part Number	00.4020.559.002
Wheel Size	26 inches
Travel	130mm
Damper	Motion Control RL
Spring	Solo Air
Material	Aluminum
Item Weight	7.21 Pounds (approx. 3.27 kg)
Included Components	Suspension Fork, Star Nut, Maxle Stealth
Model Year	2021

WARRANTY AND SUPPORT

The RockShox Reba RL Suspension Fork comes with a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official RockShox website. For technical support, service, or to locate an authorized service center, please visit the [RockShox official website](#). Consider purchasing extended protection plans for additional coverage, such as the 2-Year Protection Plan or Complete Protect options, if available from your retailer.