



[Manuals.plus](#) /

› [RockShox](#) /

› RockShox Recon Silver RL D1 Suspension Fork User Manual

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Model: Recon Silver RL D1

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your RockShox Recon Silver RL D1 suspension fork. Please read this manual thoroughly before attempting any installation or adjustments. Retain this manual for future reference.



Figure 1: Front view of the RockShox Recon Silver RL D1 suspension fork, showcasing its black finish and robust design.

2. SAFETY INFORMATION

Always wear appropriate safety gear when working on or riding your bicycle. Improper installation or maintenance can lead to serious injury or death. If you are unsure about any procedure, consult a qualified bicycle mechanic.

- Ensure all bolts are torqued to the manufacturer's specifications.
- Regularly inspect your fork for any signs of damage, wear, or leaks.
- Do not modify the fork or its components. Use only genuine RockShox replacement parts.
- Always check brake function after any fork installation or adjustment.

3. PACKAGE CONTENTS

Your RockShox Recon Silver RL D1 suspension fork package should include the following:

- RockShox Recon Silver RL D1 Suspension Fork
- User Manual (this document)
- Star-nut (typically included for steerer tube installation)
- Axle (if applicable to your model)

4. SETUP AND INSTALLATION

4.1 Steerer Tube Preparation

Measure and cut the steerer tube to the correct length for your bicycle frame and stem. Install the star-nut into the steerer tube using a star-nut setting tool. Ensure the star-nut is inserted straight and to the correct depth.

4.2 Crown Race Installation

Install the crown race onto the steerer tube. This typically requires a crown race setting tool to ensure it is seated firmly against the fork crown.

4.3 Fork Installation into Frame

Insert the steerer tube through the head tube of your bicycle frame. Install the headset bearings, spacers, and stem. Secure the stem bolts according to the stem manufacturer's torque specifications.

4.4 Brake Caliper Installation

Mount your disc brake caliper to the fork's post mounts. Use the appropriate adapters if necessary. Ensure the caliper is aligned correctly with the rotor and all bolts are torqued to the brake manufacturer's specifications.

4.5 Wheel Installation

Install your front wheel into the fork dropouts. Secure the axle (e.g., Maxle Stealth) according to RockShox specifications. Ensure the wheel is properly seated and spins freely.



Figure 2: Side view of the RockShox Recon Silver RL D1 suspension fork, illustrating the brake caliper mounting points and axle interface.

4.6 Air Spring Setup

The Recon Silver RL D1 features an air spring. Proper air pressure is crucial for optimal performance. Refer to the air pressure guide on the fork leg or the RockShox Trailhead App for recommended settings based on rider weight. Use a high-pressure shock pump to adjust the air pressure. Set sag to 15-25% of total travel for trail riding.

4.7 Rebound Adjustment

The rebound knob (typically red, located at the bottom of the right fork leg) controls the speed at which the fork extends after compression. Turn the knob towards the 'rabbit' symbol for faster rebound and towards the 'turtle' symbol for slower rebound.

symbol for slower rebound. Adjust to prevent packing up or bucking.

4.8 Compression Adjustment (Motion Control RL)

The Motion Control RL damper features low-speed compression adjustment to lockout. The blue knob on the top of the right fork leg allows you to adjust compression damping. Turn clockwise to increase compression damping and eventually lock out the fork for climbing or smooth terrain. Turn counter-clockwise to decrease compression damping for active suspension on rough terrain.



Figure 3: Close-up of the fork crown, highlighting the blue compression adjustment knob on the right leg.

5. OPERATING INSTRUCTIONS

Once installed and set up, your Recon Silver RL D1 fork is ready for use. Adjust the compression damping based on your riding conditions:

- **Open Mode:** For maximum small bump compliance and traction on technical trails.
- **Lockout Mode:** For efficient climbing or riding on smooth surfaces, minimizing suspension movement.

Fine-tune rebound damping to match your riding style and terrain. A good starting point is to set rebound so the fork returns quickly but without feeling uncontrolled or 'pogo-sticking'.

6. MAINTENANCE

Regular maintenance ensures the longevity and performance of your RockShox Recon Silver RL D1 fork.

6.1 Cleaning

After each ride, clean the exterior of the fork with mild soap and water. Wipe down the stanchions (upper tubes) and seals to remove dirt and debris. Avoid high-pressure washers directly on seals.

6.2 Lower Leg Service

RockShox recommends a lower leg service every 50 hours of riding or annually, whichever comes first. This involves replacing the dust wipers, foam rings, and lubricating the lower leg bushings. Refer to the official RockShox service manuals available on their website for detailed instructions.

6.3 Air Spring and Damper Service

Full air spring and damper service intervals are typically longer, around 200 hours or annually. These services are more complex and may require specialized tools. It is recommended to have these services performed by a certified

RockShox service center or experienced mechanic.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Loss of travel/Harsh ride	Low air pressure, too much compression damping	Check and adjust air pressure; reduce compression damping.
Fork feels 'sticky'	Dirty stanchions/seals, dry foam rings	Clean stanchions; perform lower leg service.
Excessive noise	Loose components, air in damper, worn bushings	Check all bolts; consult a mechanic for damper or bushing issues.
Rebound too fast/slow	Incorrect rebound setting	Adjust rebound knob to desired speed.

For issues not listed here or if solutions do not resolve the problem, contact RockShox customer support or a certified service center.

8. SPECIFICATIONS

Feature	Specification
Model	Recon Silver RL D1
Wheel Size	27.5 inches
Travel	120mm
Offset (Rake)	42mm
Damper	Motion Control RL (Low Speed Compression to Lockout)
Spring	Solo Air
Stanchion Diameter	32mm
Stanchion Finish	Fast Black Steel
Brake Compatibility	Disc Brake (up to 220mm rotor)
Model Number	00.4020.557.004
Manufacturer Part Number	RockShox-SSFK1760
Item Weight	500 Grams (approximate)

9. WARRANTY AND SUPPORT

Your RockShox Recon Silver RL D1 suspension fork is covered by a limited warranty. For specific warranty terms and conditions, please refer to the official RockShox website or the warranty card included with your product. For technical support, service, or genuine replacement parts, please visit the official RockShox website or contact your authorized RockShox dealer. Always provide your model number and serial number when seeking support.

RockShox Official Website: www.sram.com/en/rockshox