

RockShox 2051513082

RockShox Recon Silver RL Suspension Fork User Manual

Model: 2051513082



Image: RockShox brand banner featuring mountain bikers in a forest setting, highlighting the brand's connection to outdoor cycling.

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your RockShox Recon Silver RL Suspension Fork. Please read this manual thoroughly before attempting any installation or adjustments to ensure proper function and safety.

The RockShox Recon Silver RL Suspension Fork is engineered to deliver reliable performance for mountain biking. It features a robust design and advanced damping technology to enhance your riding experience.

- The RockShox Recon Silver sets a new benchmark for value-based performance.
- Recon represents a perfect partnership between Reba venerable crown and lower legs and Recon bombproof steel upper tubes.
- With the Motion Control damper, the Recon Silver is the new standard for fun.
- Features a 32mm straight wall steel chassis.

- Motion Control damping featuring low speed compression adjustment.
- Equipped with a forged, hollow aluminum crown.



Image: Front view of the RockShox Recon Silver RL Suspension Fork, showcasing its black finish and robust construction.

2. SAFETY INFORMATION

Always prioritize safety when working with bicycle components. Improper installation or maintenance can lead to serious injury or product damage.

- **Professional Installation Recommended:** If you are not confident in your mechanical abilities, seek assistance from a qualified bicycle mechanic.
- **Read All Instructions:** Ensure you understand all steps before proceeding.
- **Use Correct Tools:** Always use the appropriate tools for each task to prevent damage to components.
- **Torque Specifications:** Adhere strictly to all torque specifications provided in this manual or by the bicycle manufacturer. Over-tightening or under-tightening fasteners can cause failure.
- **Regular Inspection:** Periodically inspect your fork for any signs of damage, wear, or loose components. Do not ride with damaged equipment.
- **Protective Gear:** Always wear appropriate safety gear, including eye protection, when performing maintenance.

3. COMPONENTS AND PARTS OVERVIEW

The RockShox Recon Silver RL Suspension Fork consists of several key components working together to provide suspension. Understanding these parts is crucial for proper setup and maintenance.

- **Crown:** The top part of the fork that connects the steerer tube to the stanchions.
- **Steerer Tube:** The tube that extends from the crown and inserts into the bicycle's head tube.
- **Stanchions (Upper Tubes):** The inner, polished tubes that slide into the lower legs.
- **Lower Legs:** The outer part of the fork that houses the stanchions and connects to the wheel axle.
- **Axle:** Secures the front wheel to the fork.
- **Motion Control Damper:** Controls the compression and rebound of the fork.
- **Air Spring:** Provides the primary suspension force.



Front View



Side View



With Mudguard

Images: Various views of the RockShox Recon fork, including front, side, and with an optional mudguard, illustrating its design and potential accessories.

4. SETUP AND INSTALLATION

Proper setup is critical for optimal performance and rider safety. If you are unsure about any step, consult a professional bicycle mechanic.

4.1 Fork Installation

1. **Prepare Frame:** Ensure your bicycle frame's head tube is clean and faced correctly.
2. **Install Crown Race:** Press the crown race onto the steerer tube until it seats firmly against the crown.
3. **Insert Fork:** Carefully insert the steerer tube through the head tube, ensuring all headset bearings and spacers are correctly oriented.
4. **Determine Steerer Length:** Mark and cut the steerer tube to the appropriate length, allowing for stem and headset stack height. Deburr the cut edge.
5. **Install Star Nut/Compression Plug:** Install the star nut or compression plug into the steerer tube according to manufacturer instructions.
6. **Install Stem and Spacers:** Place the stem and any necessary spacers onto the steerer tube.
7. **Tighten Top Cap and Stem Bolts:** Adjust headset preload with the top cap, then tighten stem clamp bolts to the manufacturer's specified torque.
8. **Install Wheel:** Mount your front wheel into the fork dropouts and secure the axle. Ensure the axle is fully seated and tightened to specifications.

4.2 Air Pressure Adjustment

The air spring pressure should be set based on rider weight and riding style. Refer to the sag recommendations provided by RockShox or your bicycle manufacturer.

1. Locate the air 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 until the desired pressure is reached. Consult the sag guide for your weight.
4. Remove the pump and replace the air valve cap.

4.3 Rebound Adjustment

Rebound damping controls how quickly the fork extends after compression. The rebound knob is typically located at the bottom of one of the lower legs.

- Turn the red rebound knob towards the 'rabbit' symbol for faster rebound (less damping).

- Turn the red rebound knob towards the 'turtle' symbol for slower rebound (more damping).
- Adjust to prevent harsh top-out or packing down on successive bumps.

4.4 Compression Adjustment (Motion Control Damper)

The Motion Control damper allows for low-speed compression adjustment, affecting how the fork compresses under rider input and small bumps.

- The blue lever on the top of the right fork leg controls the compression.
- Turn the lever clockwise to increase compression damping (firmer feel, closer to lockout).
- Turn the lever counter-clockwise to decrease compression damping (softer feel, more active).
- Use the lockout feature for climbing or smooth terrain to maximize pedaling efficiency.

5. OPERATING YOUR FORK

Once installed and set up, your RockShox Recon Silver RL fork is ready for use. Understanding its features will help you optimize your ride.

- **Riding Position:** Maintain a balanced riding position to allow the fork to absorb impacts effectively.
- **Lockout Feature:** Utilize the compression lockout for efficient climbing on smooth surfaces or when you desire a rigid front end. Remember to unlock it before descending or encountering rough terrain.
- **Dynamic Adjustments:** While riding, you may fine-tune rebound and compression settings slightly to adapt to changing trail conditions. Always make adjustments safely and when stopped.

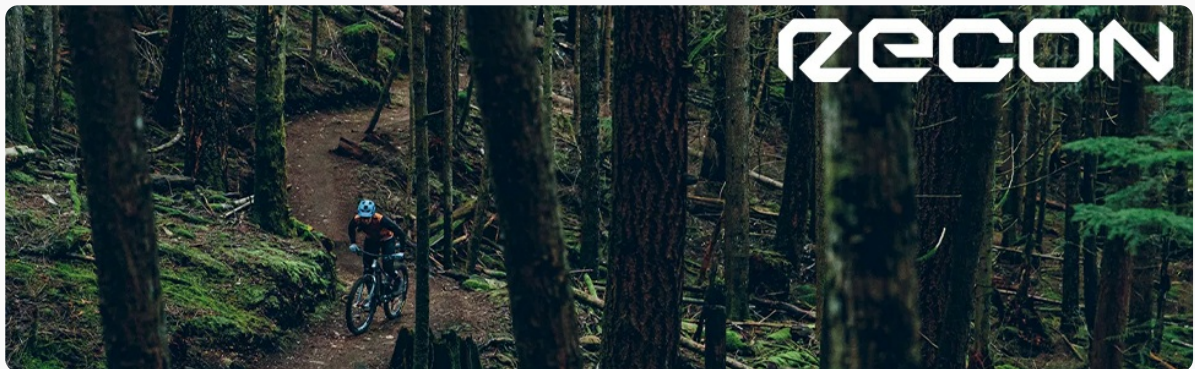


Image: A mountain biker riding through a forest trail, demonstrating the intended use environment for the Recon fork.

6. MAINTENANCE

Regular maintenance extends the life and performance of your suspension fork. Adhere to the following guidelines:

- **Clean After Every Ride:** Wipe down the stanchions and seals with a clean, damp cloth after each ride to remove dirt and debris. Avoid high-pressure washing directly at seals.
- **Lubricate Stanchions:** Apply a small amount of suspension-specific lubricant to the stanchions periodically, then cycle the fork a few times and wipe off excess.

- **Inspect for Damage:** Regularly check for scratches on stanchions, cracks in the crown or lower legs, and any signs of oil leakage around the seals.
- **Lower Leg Service:** RockShox recommends a lower leg service every 50 hours of riding or annually, whichever comes first. This involves cleaning, inspecting, and replacing bath oil and foam rings.
- **Full Service:** A complete overhaul of the fork, including air spring and damper service, is recommended every 200 hours or biennially. This should ideally be performed by a certified service center.
- **Check Fasteners:** Periodically check all bolts (axle, brake caliper, stem) for proper torque.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Fork feels too stiff / Not getting full travel	Too much air pressure; Too much compression damping; Air trapped in lower legs	Reduce air pressure; Decrease compression damping; Perform lower leg service to release trapped air
Fork feels too soft / Bottoms out easily	Too little air pressure; Too little compression damping	Increase air pressure; Increase compression damping
Fork tops out harshly	Too fast rebound damping	Slow down rebound damping (turn towards 'turtle')
Fork feels sluggish / Packs down	Too slow rebound damping	Speed up rebound damping (turn towards 'rabbit')
Oil leaking from seals	Worn or damaged seals; Excessive dirt under seals	Clean seals; Replace dust wipers and foam rings; Consult a mechanic if leakage persists
Unusual noises (creaking, knocking)	Loose headset; Loose axle; Internal issue	Check headset preload and stem bolts; Ensure axle is tight; If noises persist, seek professional inspection

8. SPECIFICATIONS

Key specifications for the RockShox Recon Silver RL Suspension Fork:

Specification	Detail
Manufacturer	RockShox

Specification**Detail**

Part Number	2051513082
Item Model Number	2051513082
Item Weight	1.1 pounds
Color	Gloss Black
Material	Aluminum
Included Components	Suspension Fork
Wheel Size	29 inches
Travel	130mm
Axle Type	15x110mm (Boost)
Offset	51 mm
Damping	Motion Control

9. WARRANTY AND SUPPORT

RockShox products are designed for durability and performance. For specific warranty terms and conditions, please refer to the official RockShox website or the warranty card included with your product. Generally, warranties cover manufacturing defects under normal use.

For technical support, service, or to find an authorized service center, please visit the official RockShox website or contact their customer service department. Always provide your product's model number (2051513082) and serial number when seeking support.

Online Resources:

- Official RockShox Website: www.sram.com/en/rockshox
- Service Manuals and Guides: Available on the RockShox website under the 'Service' or 'Support' sections.