SR Suntour GSFXCRADLORQ0061

SR Suntour XCR Air LO-R Suspension Fork User Manual

Model: GSFXCRADLORQ0061 | Brand: SR Suntour

Product Overview

The SR Suntour XCR Air LO-R Suspension Fork is designed for XC mountain cycling, offering a balance of performance and durability. It features magnesium lowers, nickel-plated stanchions, and an air spring system for adjustable suspension. Key features include:

- Steel alloy stanchion with nickel plated finish for enhanced durability.
- Magnesium lower for a strong yet lightweight construction.
- Forged aluminum crown for robust performance.
- Hydraulic lockout for efficient climbing and adjustable rebound for controlled damping.
- Air spring system allowing for rider weight and preference tuning.



Image: The SR Suntour XCR Air LO-R Suspension Fork, showcasing its black lowers, silver stanchions, and the lockout mechanism on the crown. The fork bridge is visible, connecting the two lower legs.

Setup and Installation

Proper installation and setup are crucial for the fork's performance and your safety. If you are unsure about any steps, consult a professional bicycle mechanic.

1. Steerer Tube Preparation

1. Measure and cut the tapered steerer tube (255mm length) to fit your bicycle frame and stem stack height. Ensure sufficient length for proper stem clamping.
2. Install the crown race (40mm) onto the steerer tube, ensuring it is fully seated against the fork crown.

2. Fork Installation into Frame

1. Insert the steerer tube through the head tube of your bicycle frame.
2. Install the headset bearings, spacers, and stem according to your bicycle manufacturer's instructions.
3. Tighten the top cap bolt to preload the headset bearings, then tighten the stem bolts to secure the fork.

3. Wheel and Brake Installation

1. Install your 29" front wheel using the 15mm Thru x 100mm front axle. Ensure the axle is fully inserted and tightened securely.
2. Mount your disc brake caliper to the Post Mount 160 brake type tabs on the fork lower. Align the caliper and tighten the bolts to the manufacturer's specifications.

4. Air Pressure Adjustment

The fork uses an air spring. Adjust the air pressure to achieve the correct sag for your weight and riding style. Refer to the manufacturer's recommended pressure chart (often found on the fork leg or in a separate manual) and use a high-pressure shock pump.

5. Rebound Adjustment

The rebound knob (typically red, located at the bottom of one of the fork legs) controls the speed at which the fork extends after compression. Turn the knob clockwise for slower rebound (more damping) and counter-clockwise for faster rebound (less damping). Adjust to prevent harsh top-out or packing down on successive bumps.

Operating the Fork

Lockout Function

The XCR Air LO-R fork features a hydraulic lockout lever located on the crown. This mechanism allows you to stiffen the fork, reducing suspension movement for more efficient pedaling on smooth terrain or climbs. To engage the lockout, turn the lever fully clockwise. To disengage and restore full suspension travel, turn the lever fully counter-clockwise.
Note: Avoid riding with the lockout engaged on rough terrain or during descents, as this can damage the fork and compromise control.

Maintenance

Regular maintenance extends the life and performance of your suspension fork.

- **After Every Ride:** Clean the stanchions and seals with a soft cloth and mild soap and water. Avoid high-pressure washers directly on seals.
- **Regular Inspection:** Periodically check for any signs of oil leaks around the seals, scratches on the stanchions, or unusual play in the bushings.
- **Lubrication:** Apply a small amount of suspension-specific lubricant to the stanchions before and after rides, especially in dry or dusty conditions. Cycle the fork a few times to distribute the lubricant, then wipe off any excess.
- **Service Intervals:** For optimal performance and longevity, SR Suntour recommends professional servicing at regular intervals, typically every 50-100 hours of riding or annually, depending on riding conditions and intensity. This includes changing bath oil and inspecting internal components.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Fork feels too stiff / Not getting full travel	Too much air pressure; Lockout engaged; Stanchions dirty.	Reduce air pressure gradually; Disengage lockout; Clean stanchions and seals.
Fork feels too soft / Bottoms out easily	Too little air pressure.	Increase air pressure gradually.
Fork rebounds too fast (pogo stick feel)	Rebound damping set too light.	Turn rebound knob clockwise (slower rebound).
Fork rebounds too slow (packs down)	Rebound damping set too heavy.	Turn rebound knob counter-clockwise (faster rebound).
Lockout not working	Low oil level in damper; Internal issue.	This requires professional service. Do not attempt to repair yourself.

For issues not listed here or if solutions do not resolve the problem, please contact SR Suntour customer support or an authorized service center.

SPECIFICATIONS

Feature	Detail
Model Name	GSFXCRADLORQ0061
Color	Black
Material	Magnesium (lowers)
Wheel Size	29"
Travel	100mm
Steerer Type	Tapered
Steerer Tube Length	255mm
Crown Race	40mm
Axle to Crown Length	497mm
Front Axle	15mm Thru x 100mm
Brake Type	Post Mount 160
Positive Spring	Air
Negative Spring	Coil
Stanchion Diameter	32mm
Lockout Switch	Crown
Offset	46mm
Maximum Tire Width	82mm

Feature	Detail
Weight	2455g (approx.)

Warranty Information

This SR Suntour XCR Air LO-R Suspension Fork comes with a Limited Warranty. For detailed terms, conditions, and duration of the warranty, please refer to the official SR Suntour website or the warranty card included with your product. Keep your proof of purchase for any warranty claims.

Support

For technical assistance, spare parts, or service inquiries, please contact SR Suntour customer support or an authorized SR Suntour service center. You can typically find contact information on the official SR Suntour website (www.srsuntour.com).
When contacting support, please have your fork's model name (GSFXCRADLORQ0061) and serial number (if applicable) ready.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question