SR Suntour XCR32-BOOST-COIL 29

SR SUNTOUR XCR32-BOOST-COIL Suspension Fork 29 Inches User Manual

Model: XCR32-BOOST-COIL 29

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your SR SUNTOUR XCR32-BOOST-COIL 29-inch suspension fork. Please read this manual thoroughly before using the product to ensure safe and optimal performance.
The SR SUNTOUR XCR32-BOOST-COIL is an entry-grade suspension fork designed for 29-inch wheels, featuring a magnesium bottom case and a coil spring system. It offers reliable suspension performance for various riding conditions.

Safety Information

- Always have a qualified bicycle mechanic install and service your suspension fork. Improper installation can lead to serious injury.
- Regularly inspect the fork for any signs of damage, cracks, or loose components before each ride. Do not ride if any damage is found.
- Ensure all bolts are tightened to the manufacturer's specified torque settings. Refer to your bicycle's manual for specific torque values.
- Do not modify the fork in any way. Unauthorized modifications can compromise safety and void the warranty.
- Wear appropriate safety gear, including a helmet, when riding your bicycle.
- Be aware of your surroundings and ride within your skill limits.

Setup and Installation

Proper installation is crucial for the performance and safety of your suspension fork. If you are unsure about any step, consult a professional bicycle mechanic.

Unpacking and Inspection

Carefully remove the fork from its packaging. Inspect for any visible damage that may have occurred during shipping. Ensure all components are present.





Image: Front view of the SR SUNTOUR XCR32-BOOST-COIL suspension fork, showing the crown, stanchions, and lower legs. The SR SUNTOUR logo is visible on the lower legs.

Steerer Tube Preparation

1. Measure the required steerer tube length for your bicycle frame and headset. The fork features a 1.5" to 1-1/8" tapered aluminum steerer tube.
2. Carefully cut the steerer tube to the correct length using a proper cutting guide and tool. Deburr the edges.
3. Install the crown race onto the steerer tube.

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 headset and stem manufacturer's instructions.
3. Tighten the top cap bolt to preload the headset, then tighten the stem bolts to secure the fork. Refer to torque specifications.

Wheel and Brake Installation

1. Install your 29-inch front wheel. The fork is designed for a 15 x 110 mm QLC thru-axle. Ensure the axle is properly seated and tightened.
2. Mount your disc brake caliper to the post mount tabs on the fork. The fork is compatible with 160 mm rotors (post mount) and a maximum of 180 mm rotors (with adapter).
3. Align the brake caliper and ensure proper brake function before riding.





Image: Side view of the SR SUNTOUR XCR32-BOOST-COIL suspension fork, highlighting the lower leg, brake caliper mounting points, and the thru-axle dropout.

Operating Instructions

The XCR32-BOOST-COIL fork offers several adjustments to fine-tune your riding experience.

Preload Adjustment

The fork features a coil spring with preload adjustment. This adjustment allows you to fine-tune the initial stiffness of the fork to match your weight and riding style. Turn the preload adjuster knob (typically located on the top of one fork leg) clockwise to increase stiffness and counter-clockwise to decrease stiffness.

Lockout Function

The fork is equipped with a lockout feature. This allows you to effectively stiffen the fork, reducing suspension movement for more efficient climbing or riding on smooth terrain. Engage the lockout by turning the lockout lever (typically on the top of the other fork leg) to the "locked" position. Disengage by turning it to the "open" position. Do not force the lockout lever if it feels stiff; ensure the fork is not under heavy compression when engaging or disengaging.





Image: Top view of the SR SUNTOUR XCR32-BOOST-COIL suspension fork crown, illustrating the location of the preload and lockout adjustment knobs.

Note: This model does not feature compression or rebound adjustment beyond the lockout and preload.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your SR SUNTOUR suspension fork.

After Each Ride

- Clean the stanchions (upper tubes) and seals with a soft, damp cloth to remove dirt and debris.
- Inspect the fork for any visible damage, leaks, or loose bolts.

Monthly / Every 20 Hours of Riding

- Check all bolts (axle, brake caliper, stem) for proper torque.
- Inspect the stanchions for scratches or wear.
- Check for any play in the bushings or headset.

Annually / Every 100 Hours of Riding

It is recommended to have a professional bicycle mechanic perform a full service, including replacing seals and lubricating internal components. This will ensure the fork continues to operate smoothly and safely.

Troubleshooting

This section addresses common issues you might encounter with your suspension fork. For complex problems, consult a professional mechanic.

Fork Feels Too Stiff or Too Soft

- **Solution:** Adjust the preload knob. Turn clockwise for stiffer, counter-clockwise for softer. Ensure the preload is set appropriately for your weight.

Fork Not Locking Out Properly

- **Solution:** Ensure the lockout lever is fully engaged. Check for any debris obstructing the mechanism. If the issue persists, professional service may be required.

Unusual Noises (Creaking, Clunking)

- **Solution:** Check all bolts (stem, axle, brake caliper) for proper torque. Inspect the headset for play. Clean and lubricate the stanchions and seals. If noises continue, seek professional inspection.

Oil Leaks Around Seals

- **Solution:** A small amount of oil residue is normal. Excessive leaking indicates worn seals. The fork requires professional service to replace the seals. Continued use with leaking seals can damage internal components.

Specifications

Feature	Specification
Model Name	XCR32-BOOST-COIL 29
Wheel Diameter	29 inches
Maximum Tire Width	2.5 inches (63 mm)
Steerer Tube Diameter	1.5" to 1-1/8" Tapered
Steerer Tube Material	Aluminum
Stanchion Diameter	1.3 inches (32 mm)
Stanchion Material	Steel
Axle Type	0.6 x 4.3 inches (15 x 110 mm) QLC Thru-Axle
Compatible Brakes	Post mount 6.3 inches (160 mm) / Maximum 7.1 inches (180 mm)
Shipping Travel Amount	3.1 inches (80 mm)
Changeable Travel Amount	3.1 / 3.9 inches (80 / 100 mm) (*Parts sold separately for travel changes*)
Spring Type	Coil (Preload Adjustable)
Compression Adjustment	None (beyond lockout)
Rebound Adjustment	None
Lockout	Yes
Remote Lockout	No
Bottom Case Material	Magnesium
Color	Black
Package Weight	2.81 Kilograms

Warranty Information

SR Suntour products are typically covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase.
For detailed warranty information, including coverage, limitations, and how to make a claim, please refer to the official SR Suntour website or contact your authorized dealer. This manual does not constitute a warranty statement.

Support and Contact

If you have questions regarding the installation, operation, or maintenance of your SR SUNTOUR XCR32-BOOST-COIL suspension fork, please contact your local authorized SR Suntour dealer or visit the official SR Suntour website for support resources, FAQs, and contact information.
SR Suntour Official Website: www.srsuntour.com
Always provide your product model name (XCR32-BOOST-COIL 29) and any relevant serial numbers when seeking support.

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