SR Suntour XCT30 80mm Travel

SR Suntour XCT30 80mm Travel Suspension Fork User Manual

Model: XCT30 80mm Travel

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your SR Suntour XCT30 80mm Travel Suspension Fork. Designed for 27.5-inch wheels, this fork features a coil spring with preload adjustment and a lockout function, enhancing your riding experience over varied terrain. Please read this manual thoroughly before installation and use to ensure safety and optimal performance.





Figure 1.1: Front view of the SR Suntour XCT30 80mm Travel Suspension Fork. This image shows the overall design, including the steerer tube, stanchions, lowers, and crown.

2. Safety Information

- Always wear appropriate safety gear, including a helmet, when riding your bicycle.
- Ensure all components are correctly installed and tightened to the manufacturer's specifications before each ride.
- Regularly inspect the fork for any signs of damage, cracks, or loose parts. Do not ride with a damaged fork.
- If you are unsure about any installation or maintenance procedure, consult a qualified bicycle mechanic.
- Do not modify the fork. Unauthorized modifications can compromise safety and void the warranty.
- Be aware of your surroundings and ride within your skill level. Suspension forks improve comfort and control but do not eliminate all risks.

3. Setup and Installation

Proper installation is crucial for the safety and performance of your suspension fork. If you lack experience with bicycle component installation, it is highly recommended to seek assistance from a professional bicycle mechanic.

3.1 Steerer Tube Preparation

1. Measure the required steerer tube length for your bicycle frame and headset stack height.
2. Carefully cut the 1-1/8" steerer tube to the measured length using a suitable cutting guide and tool. Ensure the cut is clean and straight.
3. Install the star nut (if not pre-installed) into the steerer tube, ensuring it is straight and at the correct depth.
4. Press the crown race onto the steerer tube until it is fully seated against the fork crown.

3.2 Fork Installation into Frame

1. Grease the headset bearings and races.
2. Insert the steerer tube through the head tube of your bicycle frame.
3. Install the top headset bearing, spacers, and stem onto the steerer tube.
4. Install the top cap and bolt, and adjust the headset preload according to your headset manufacturer's instructions.
5. Tighten the stem bolts to the manufacturer's specified torque.

3.3 Wheel and Brake Installation

1. Install your 27.5-inch front wheel into the fork dropouts. Ensure the quick release or thru-axle is properly secured.
2. Mount your disc brake caliper to the fork's post mounts. Ensure proper alignment and clearance with the brake rotor.
3. **Note:** Depending on your existing brake setup, you may need to adjust rotor size or use an adapter for proper caliper fitment. For example, a 180mm rotor may require a 160mm rotor for optimal clearance with this fork.
4. Connect the brake line and bleed the brake system if necessary, following the brake manufacturer's instructions.





Figure 3.1: Side view of the fork, highlighting the brake caliper mounting points and dropouts for wheel installation.

4. Operating Instructions

4.1 Preload Adjustment

The SR Suntour XCT30 fork features a coil spring with a preload adjuster, typically located on the top cap of one

of the fork legs. Preload adjustment allows you to fine-tune the initial compression of the spring to match your weight and riding style.

- **To increase preload:** Turn the adjuster clockwise. This will make the fork feel stiffer and reduce sag.
- **To decrease preload:** Turn the adjuster counter-clockwise. This will make the fork feel softer and increase sag.

Adjust the preload in small increments and test the feel by compressing the fork. Aim for a comfortable sag (the amount the fork compresses under your body weight) that provides good small bump compliance without bottoming out too easily.





Figure 4.1: Front view of the fork, indicating the location of the preload adjuster (blue knob on the top of the left stanchion).

4.2 Lockout Function

The lockout feature allows you to temporarily stiffen the fork, effectively reducing or eliminating suspension travel. This is useful for climbing, riding on smooth pavement, or when you want to maximize pedaling efficiency.

- **To engage lockout:** Turn the lockout lever (typically located on the top cap of the other fork leg) to the "locked" position.
- **To disengage lockout:** Turn the lockout lever to the "open" position to restore suspension travel.

Avoid riding with the fork locked out on rough terrain, as this can damage the internal components and reduce comfort. The lockout is designed for smooth surfaces where suspension is not desired.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your SR Suntour XCT30 fork.

5.1 Cleaning

- After each ride, especially in wet or dusty conditions, wipe down the stanchions (the shiny upper tubes) with a clean, soft cloth.
- Use mild soap and water to clean the entire fork. Avoid high-pressure washers directly on seals.
- Ensure no dirt or debris is trapped around the dust seals.

5.2 Inspection

- Periodically check for any visible damage, such as dents, cracks, or deep scratches on the stanchions, lowers, or crown.
- Inspect all bolts for proper tightness. Refer to torque specifications if available.
- Check for excessive play in the bushings or headset.

5.3 Lubrication

- Apply a small amount of suspension-specific lubricant to the stanchions near the dust seals. Cycle the fork a

few times to distribute the lubricant, then wipe off any excess.

- Do not use petroleum-based lubricants or solvents, as these can damage seals.

5.4 Service Intervals

For optimal performance and longevity, it is recommended to have your fork serviced by a qualified technician annually or every 100 hours of riding, whichever comes first. This typically involves replacing seals and refreshing internal lubricants.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Fork feels too stiff or too soft.	Incorrect preload adjustment.	Adjust the preload knob (Section 4.1) to achieve desired stiffness.
Fork is not moving smoothly or feels sticky.	Dirt/debris on stanchions or dry seals.	Clean stanchions and apply suspension lubricant (Section 5.1, 5.3). If problem persists, professional service may be needed.
Lockout is not fully engaging or disengaging.	Internal mechanism issue or cable tension (if remote lockout).	Ensure the lever is fully turned. If it's a remote lockout, check cable tension. For internal issues, consult a professional mechanic.
Unusual noises (creaking, clunking).	Loose headset, stem, or internal components.	Check headset and stem bolt tightness. Inspect for any play. If noises persist, professional inspection is recommended.

7. Specifications

Feature	Detail
Model	SR Suntour XCT30
Travel	80mm
Wheel Size Compatibility	27.5 inches
Steerer Tube Diameter	1-1/8 inches
Suspension Type	Coil Spring
Adjustments	Preload Adjuster, Lock Out
Material	Aluminum (lowers), Steel (stanchions, steerer)
Color	Black
Approximate Weight	2.45 kg (5.4 lbs)

8. Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or contact the retailer where you purchased the SR Suntour XCT30 suspension fork. For technical support or service inquiries, please contact SR Suntour directly or an authorized service center.
Keep your proof of purchase for any warranty claims.

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