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> RockShox Super Deluxe Ultimate RC2T Rear Shock Instruction Manual - 230 x 65mm

## RockShox 00.4118.358.022

# RockShox Super Deluxe Ultimate RC2T Rear Shock Instruction Manual

Model: 00.4118.358.022

## 1. PRODUCT OVERVIEW

The RockShox Super Deluxe Ultimate RC2T is a high-performance rear shock designed for mountain bikes, offering extensive tuning capabilities to optimize suspension performance. It features advanced damper technology and an adjustable air spring system to adapt to various riding styles and terrains.



Figure 1: Main view of the RockShox Super Deluxe Ultimate RC2T Rear Shock, showing the air can and damper assembly.



Figure 2: Side view of the RockShox Super Deluxe Ultimate RC2T Rear Shock, highlighting the adjustment dials.

## Key Features:

- **RC2T Damper:** Features externally adjustable independent High and Low Speed Compression damping, along with an easy-access lever for two compression positions (Open or Pedal).
- **DebonAir+ Air Spring:** Offers two air can options for tuning negative and positive air volume, allowing for optimal bike matching.
- **HotDog Piston:** Provides consistent Low Speed Compression control with reduced High-Speed Compression, enhancing wheel traction on rough terrain.
- **Castled Bottom-Out Bumper:** Designed to reduce harsh bottom-outs, with optional Hydraulic Bottom-Out control for increased damping.
- **Increased Rebound Adjustments:** Offers 15 clicks for a wider range and finer tuning of rebound.
- **Improved Bushing Overlap:** Enhances small bump performance and overall grip.
- **Maxima Plush Damping Fluid:** Reduces friction and minimizes damper noise.
- **E-bike Approved:** Suitable for use on electric bicycles.

## 2. SETUP AND INSTALLATION

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Proper setup is crucial for optimal performance and rider safety. It is recommended that installation be performed by a qualified bicycle mechanic.

### 2.1 Installation

1. Ensure the shock dimensions (Stroke: 65mm, Eyelet Diameter: 12.7mm) are compatible with your bicycle frame.
2. Install the shock into the frame according to your bicycle manufacturer's specifications, ensuring all mounting hardware is correctly torqued.
3. Verify that there is adequate clearance between the shock and all frame components throughout the full range of suspension travel.

### 2.2 Air Spring Adjustment (DebonAir+)

The DebonAir+ air spring allows for tuning of both negative and positive air volume to match rider weight and preference. Refer to your bicycle manufacturer's recommendations for initial air pressure settings.

- Use a high-pressure shock pump to adjust the main air chamber pressure.
- Sag setting is critical. With the rider in full riding gear, measure the amount the shock compresses under their weight. Aim for the sag percentage recommended by your bike manufacturer (typically 25-35%).
- Air volume spacers can be added or removed to fine-tune the air spring's progressivity. Consult the official

RockShox service manual for detailed instructions on air volume spacer adjustment.

## 2.3 Damper Adjustment (RC2T)

The RC2T damper provides independent external adjustments for High-Speed Compression (HSC), Low-Speed Compression (LSC), and Rebound.

- **Rebound Damping:** The rebound knob (often red) controls the speed at which the shock extends after compression. Start with the manufacturer's recommended setting and adjust to prevent packing up (too slow) or bucking (too fast). The shock offers 15 clicks of adjustment.
- **Low-Speed Compression (LSC):** This adjustment affects how the shock responds to slow shaft speeds, such as rider weight shifts, pedaling, and small bumps. Adjust to control pedaling efficiency and small bump sensitivity.
- **High-Speed Compression (HSC):** This adjustment affects how the shock responds to fast shaft speeds, such as large impacts and harsh landings. Adjust to control bottom-out resistance and absorption of large hits.
- **Open/Pedal Lever:** This lever provides two distinct compression positions for quick adjustments on the trail.
  - **Open:** Provides full suspension travel and maximum sensitivity for descending and rough terrain.
  - **Pedal:** Offers increased compression damping for improved pedaling efficiency on climbs and smoother trails.

## 3. OPERATING THE SHOCK

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Once installed and initially set up, the Super Deluxe Ultimate RC2T allows for on-the-fly adjustments to optimize your ride experience.

- Utilize the **Open/Pedal lever** to quickly switch between suspension modes based on terrain. Use "Open" for descents and technical trails, and "Pedal" for climbs and smoother sections.
- Fine-tune **rebound damping** as trail conditions change. Faster rebound may be desired for successive hits, while slower rebound can provide more control on smoother, flowy trails.
- Experiment with **High and Low Speed Compression** settings to find the balance between plushness, support, and bottom-out resistance that suits your riding style and the specific trail.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your RockShox Super Deluxe Ultimate RC2T rear shock.

- **Cleaning:** After each ride, clean the shock body, shaft, and seals with mild soap and water. Avoid high-pressure washers directly on seals.
- **Inspection:** Regularly inspect the shock for any signs of damage, leaks, or excessive wear on seals and bushings.
- **Air Pressure Check:** Check air pressure before every ride and adjust as necessary.
- **Service Intervals:** Refer to the official RockShox service manual for recommended service intervals for air can service and full damper service. Timely servicing, including replacement of Maxima Plush damping fluid, is essential.
- **Storage:** Store your bicycle in a clean, dry environment away from direct sunlight and extreme temperatures.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter with your rear shock. For complex problems, it is recommended to consult a qualified bicycle mechanic or RockShox authorized service center.

- **Loss of Air Pressure:** Check the air valve for proper sealing. Inspect the air can seals for damage. If the issue persists, an air can service may be required.

- **Excessive Sag or Bottoming Out:** Increase air pressure. If sag is still excessive, consider adding air volume spacers. Ensure compression settings are not too open.
- **Harsh Ride or Lack of Travel:** Decrease air pressure. Check if compression settings are too firm. Ensure rebound is not set too slow, causing the shock to "pack up."
- **Squeaking or Unusual Noises:** Clean the shock thoroughly. Check mounting hardware for proper torque. If noise persists, it may indicate internal issues requiring professional service.
- **Oil Leakage:** Small amounts of oil residue on the shaft are normal. Significant oil leakage indicates a seal failure and requires immediate professional service.

## 6. SPECIFICATIONS

Feature	Detail
Brand	RockShox
Model	00.4118.358.022
Stroke (mm)	65
Eyelet Diameter (mm)	12.7
Damper	RC2T (High/Low Speed Compression, Rebound, Open/Pedal Lever)
Air Spring	DebonAir+
Rebound Adjustments	15 clicks
Damping Fluid	Maxima Plush
E-bike Approved	Yes
Item Weight	1.7 pounds
Product Dimensions	11.5 x 7.25 x 3 inches
UPC	710845883781

## 7. WARRANTY AND SUPPORT

For detailed warranty information, service, or technical support, please refer to the official RockShox website or contact an authorized RockShox dealer or service center. Keep your proof of purchase for warranty claims.

**RockShox Official Website:** [www.sram.com/en/rockshox](http://www.sram.com/en/rockshox)

