

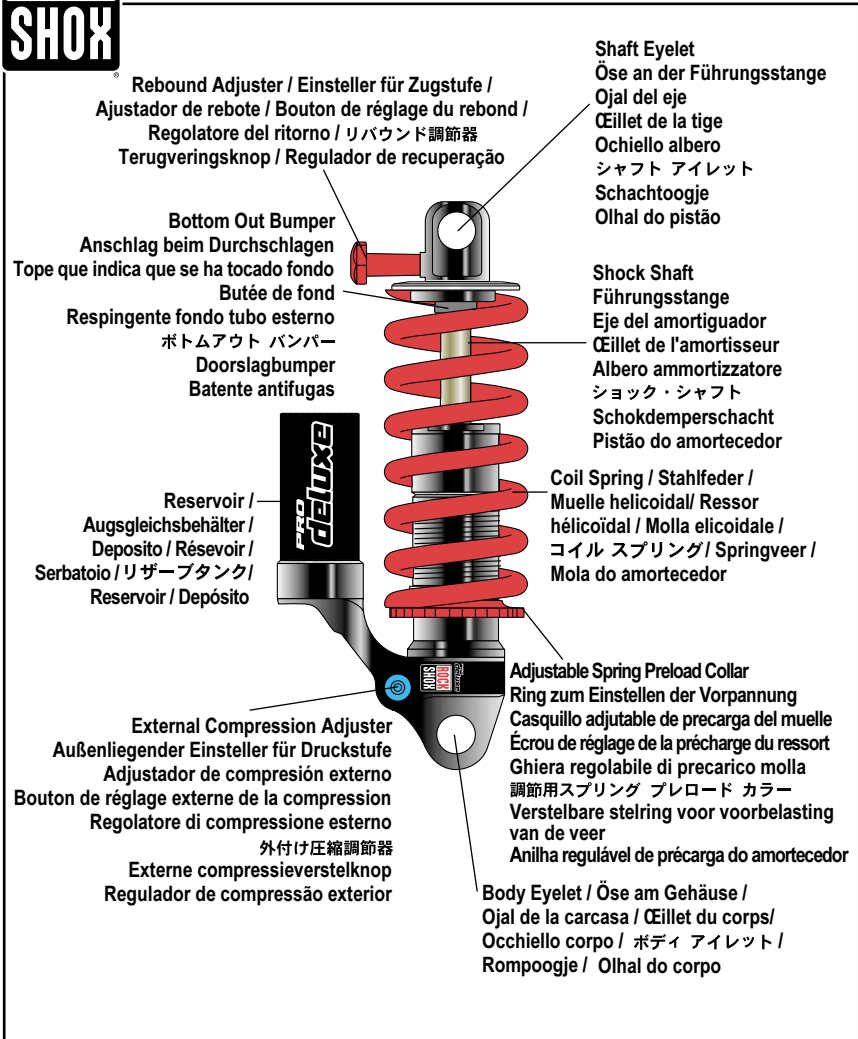
2002

PRO
deluxe

OWNER'S MANUAL



Congratulations! You have the best in suspension components on your bicycle! This manual contains important information about the safe operation and maintenance of your shock. To ensure that your RockShox shock performs properly, we recommend that you have your fork installed by a qualified bicycle mechanic. We also urge you to follow our recommendations to help make your bicycling experience more enjoyable and trouble-free.



NOTE: YOUR SHOCK'S APPEARANCE MAY VARY FROM THE ILLUSTRATIONS/PHOTOS IN THIS MANUAL.

FOR THE LATEST INFORMATION ABOUT YOUR FORK VISIT OUR WEBSITE AT WWW.ROCKSHOX.COM.

I M P O R T A N T

Consumer Safety Information

RIDING A BIKE IS DANGEROUS. NOT PROPERLY MAINTAINING OR INSPECTING YOUR BIKE IS EVEN MORE DANGEROUS. IT'S ALSO DANGEROUS NOT TO READ THESE INSTRUCTIONS.

1. Before riding the bicycle, be sure the brakes are properly installed and adjusted. If the brakes don't work properly, the rider could suffer serious and/or fatal injuries.
2. If the shock ever loses oil or if it makes sounds of excessive topping out, stop riding the bicycle immediately and have the shock inspected by a dealer or call RockShox. Continuing to ride with the shock in either of these conditions could result in loss of control of the bicycle with possible serious and/or fatal injuries.
3. Always use genuine RockShox parts. Use of after-market replacement parts voids the warranty and could cause structural failure to the shock. Structural failure could result in loss of control of the bicycle with possible serious and/or fatal injuries.

INSTALLATION

It is extremely important that your RockShox rear shock is installed correctly by a qualified bicycle mechanic with proper tools. Consult your bicycle manufacturer's instructions for proper installation of your shock.



WARNING

IMPROPERLY INSTALLED REAR SHOCKS CAN BE EXTREMELY DANGEROUS AND MAY RESULT IN SEVERE AND/OR FATAL INJURIES.

PERFORMANCE TUNING

RockShox rear shock can be tuned for your particular weight, riding style, and terrain.

IMPORTANT: BE SURE YOU TAKE YOUR BIKE FOR A TEST RIDE TO SEE IF THE REAR SHOCK IS SET UP FOR YOU STRAIGHT "OUT OF THE BOX."

These shocks are set up for the 140 to 180 lb (65 to 80kg), all-around rider who spends time riding every off-road terrain imaginable. You may benefit by making tuning adjustments to suit your specific needs. When tuning suspension, always make one change at a time and write it down. This allows you to understand how each change affects your ride.

Setting Sag

Sag is the amount of shock travel that is used as the rider sits stationary on the bike. Typically, sag is 15 to 30 percent of all available wheel travel. Check with your bicycle manufacturer to determine the rear wheel travel and recommended sag for your particular bike before setting sag.

1. To adjust the sag, turn the spring preload collar away from the spring and stop turning just as the spring feels loose on the shock. This is zero preload.
2. Without sitting on the bike, measure the distance from the floor to the seat (rear height).

Write it down.

3. While you sit in a normal riding position, have a friend measure the same distance. The difference between the two measurements is sag. Determine what percentage of total wheel travel this sag represents.
4. If the sag is less than your bike manufacturer's recommendation, you may need to install a spring with a lower spring rate. If the sag is greater than recommended, turn the threaded collar towards the spring to decrease sag until it is correct. Use a stiffer spring rate if you reach the 2.5 turn limit.

IMPORTANT: DO NOT EXCEED 2.5 FULL TURNS OF THE THREADED SPRING COLLAR FROM ZERO PRELOAD. TOO MUCH SPRING PRELOAD ON A SOFT SPRING WILL CAUSE THE SPRING TO FAIL.

Changing the Spring Rate

Spring rate is the amount of force needed to compress the spring a given distance. For example, a spring with an 800 lb. spring rate needs 800 lb. of force to compress the spring one inch. Higher spring rates make the shock more "stiff," while lower spring rates make the shock more "supple." To change the spring rate, follow the instructions below to remove the spring:

1. Remove the shock from the bicycle.
2. Clean and lubricate the shock body threads.
3. Remove the shaft eyelet mounting hardware.
4. Unthread the spring preload collar as far as possible.
5. Using a 2.5mm hex wrench, remove external rebound adjuster.
6. Using a broad, flat-blade screwdriver, thread the rebound adjuster towards the shaft eyelet.
7. Remove the spring and replace it with a higher or lower rated spring.
8. Reverse above steps to install spring.

NOTE: GREASE THE MOUNTING HARDWARE BEFORE REINSTALLING IT ON THE SHOCK.

9. Reinstall shock on bicycle. Torque the shock's mounting hardware to 60 in-lb.
10. Set the spring preload (see "Setting Sag").

Rebound Damping Adjustment

The shock includes a red rebound damping adjustment knob. Rebound is the extension or return stroke of the shock. Rebound damping adjustment allows you to control the rate at which the shock extends after it is compressed. The shock's rebound is quickest when the adjustment knob is in the full counterclockwise position. Rebound is slowest when the adjustment knob is in the full clockwise position.

SETTING REBOUND

When you are setting rebound, a good starting point is the "curb" test. Be sure this is done after you set up your sag.

1. Set your rebound adjuster fully counterclockwise.
2. Ride the bike off the curb sitting in the saddle and count the number times the shock bounces before returning to nominal sag. You want to achieve one bounce.
3. Turn the rebound adjuster a quarter turn clockwise and ride off the curb again. Continue to do this until one bounce is achieved.
4. Record the number of turns from the fully closed (full counterclockwise) position.

Compression Adjustment

The Pro Deluxe includes a blue compression adjustment knob. Compression occurs when a force causes the shaft eyelet to body eyelet distance to be reduced. Compression adjustment controls the rate at which that distance is reduced. The shock will compress more quickly when the adjustment knob is in the full counterclockwise position and compress more slowly when

the adjustment knob is in the full clockwise position. Compression adjustment is used to enhance rider control after the proper sag and spring rate have been set.

MAINTENANCE

After Every 8 Hours of Riding

- Clean your shock with mild soap and a toothbrush.
- Keep the shaft and body threads clean and lubricated.
- Keep mounting hardware clean and lubricated.
- Refer to bicycle's owner's manual for correct mounting hardware torque values. Also be sure to verify that your shock's mounting hardware is properly torqued (60 in-lb).

IMPORTANT: OVER-TORQUED MOUNTING HARDWARE WILL CAUSE THE SHOCK TO BIND AND MALFUNCTION. UNDER-TORQUED MOUNTING HARDWARE WILL DAMAGE FRAME, HARDWARE, AND SHOCK.

After every 20 hours of riding

Remove, clean, and grease mounting hardware.

IMPORTANT: NEVER USE A HIGH-POWERED WASHER TO CLEAN THE SHOCK.

SERVICE

Your rear shock should be fully serviced every year by a qualified mechanic with proper tools. Contact your local RockShox dealer, RockShox Technical Service, or the nearest distributor (see the International Distributor List). Read the Warranty section for further warranty repair and contact information.

WARRANTY

RockShox, Inc. warrants its products for a period of one year from original date of purchase to be free from defects in materials or workmanship. Any RockShox product that is returned to the factory and is found by RockShox to be defective in materials or workmanship will be repaired or replaced at the option of RockShox, Inc. This warranty is the sole and exclusive remedy. RockShox shall not be held liable for any indirect, special, or consequential damages.

The warranty does not apply to products which have not been properly installed and adjusted according to RockShox installation instructions. The warranty does not cover any product that has been subject to misuse or whose serial number has been altered, defaced or removed. This warranty does not apply to damage to the product caused by a crash or abuse of the product or any other circumstances in which the product had been subjected to forces or loads beyond its design. This warranty does not cover paint damage or modifications to the product. **Proof of purchase is required.**

Warranty Repair

If for any reason it should be necessary to have warranty work done, return the product to a RockShox dealer. In the USA, dealers are required to call for a Return Authorization number (RA#) prior to returning product.

For more technical information, visit our website at www.rockshox.com. For toll-free technical support in the USA, call 1.800.677.7177. Customers in countries other than the USA should contact their local dealer or distributor.

INTERNATIONAL DISTRIBUTOR LIST

Argentina

Broni S.A.
Phone: 54 11 4292 3000
FAX: 54 11 4292 4453
J.J. PASO 1260, (1832) LOMAS DE
ZAMORA, BUENOS AIRES

Australia

Steve Cramer Products
Phone: 61 3 9587 1466
FAX: 61 3 9587 2018
39 INDUSTRIAL DRIVE BRAESIDE,
VICTORIA 3192

Austria

Barisitz-Austria
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BERNHARD-HOEFELSTRASSE 14,
A-6020, INNSBRUCK

Belgium

Vertex Cycle Systems BV
Phone: 31 23 57 18184
FAX: 31 23 57 18606
FLEMINGSTRAAT 100A, 2041 VL
ZANDVOORT
HOLLAND

Brazil

Pedal Power
Phone: 55 11 3845 6997
FAX: 55 11 3845 6377
R. GOMES De CARVALHO 541
SAO PAULO SO
04547002

Canada

Bell Sports Canada
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BAY 147, 2760 45TH AVE SE
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VINA DEL MAR

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Inversiones Y Sistemas Garvi
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FAX: 506 289 7013
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FAX: 385 1 234 34 22
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10000 ZAGREB

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FAX: 45 86 36 7377
MOLLERUPVEJ 3, TAASTRUP,
8410 RONDE

Ecuador

Bici Sport
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AV DE DICIEMBRE 6327, ENTRE
LOUVRE Y TOMAS DE,
BERLANGA.LOCAL #3, QUITO

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Hawaii Express
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REGATI 1, 5K-102, TALLINN, 11911,
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Or
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Phone: 372 636 7470
Fax: 372 636 7470
Paavli 2A, Tallinn
EE0004, Estonia

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FAX: 358 9 3250609
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Royal Velo France
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Fax: 33 325 43 95 95
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Sport Import GmbH
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Greece

Gatsoulis Stefanos Imports
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FAX: 30 12533 960
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BYS Importaciones S.A.
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Flying Ball Bicycle Company
Phone: 852 23813661
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FAX: 39 02 24 951 228
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HOLLAND

Malaysia

Gin Huat Cycle Trading
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NO. 8, JALAN INDUSTRI BATU
CAVES ½
TAMAN PERINDUSTRIAN BATU
CAVES
68100 BATU CAVES
SELANGOR DARUL EHSAN

Mexico

Tekno Bike
Phone: 52 8 336 5602
FAX: 52 8 338 5663
HUMBERTO LOBO #780, COL. DEL
VALLE, GARZA GARCIA, MEXICO,
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New Zealand

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Phone: 64 9 63 6 06 41
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43 FELIX ST
PENROSE, AUCKLAND
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HALLNASGATAN 8, S-75228
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AL NIEPODLEGLOSCI 221-4, 02-
087 WARSZAWA

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APARTADO 34, 2431 MARINHA
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Russia

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Phone: 7095 288 4524
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KUDRINSKAYA PL., 1., P.O.BOX 33,
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St. Maarten

Tri-Sport International
Phone: 5995 43462
FAX: 5995 43928
8 AIRPORT BOULEVARD,
SIMPSON BAY, NAMIBIA

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FAX: 65 466 7610
24 HOLLAND GROVE ROAD,
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Proloco Trade
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0, CARACAS

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**1610 Garden of the Gods
Colorado Spring, CO 80907**

IMBA Rules of the Trail

Ride on open trails only
Leave no trace
Control your bicycle
Always yield trail
Never spook animals
Plan ahead