

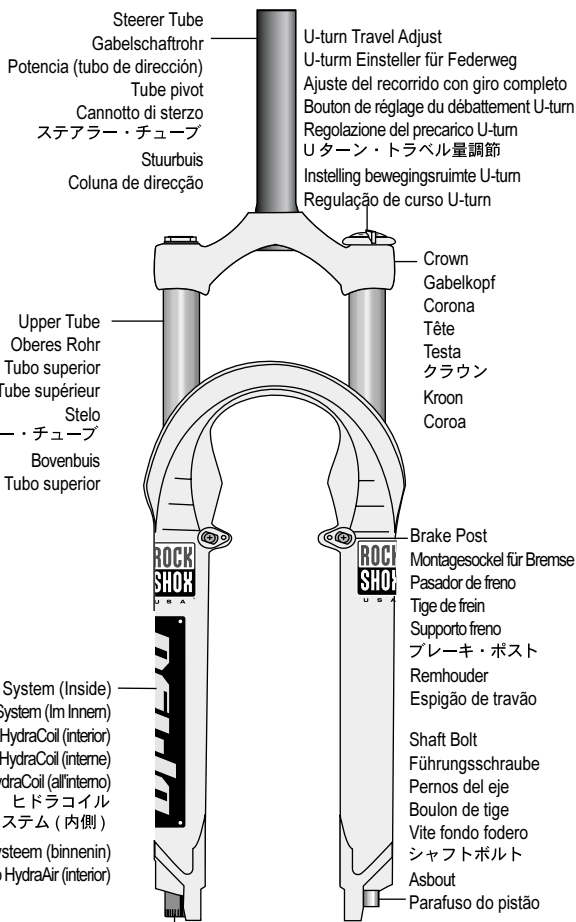
2002

psylo

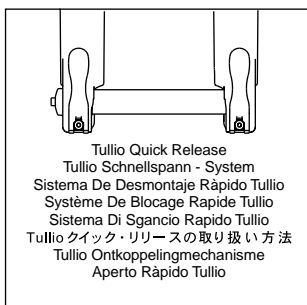
OWNER'S MANUAL



C AND XC



Rebound Adjuster (XC only) / Zugstufen-Einstellungsknopf (nur bei XC) /
Regulador de rebote (só en SL) / Bouton de réglage du rebond (modèle XC uniquement) /
Regolazione del ritorno (solo nel modello XC) / リバウンド調節器 (SLのみ)
Afstelling terugvering (alleen XC) / Regulador de recuperação (apenas no modelo XC)



NOTE: YOUR FORK'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.

Congratulations! You have the best in suspension components on your bicycle! This manual contains important information about the safe operation and maintenance of your fork. To ensure that your RockShox fork 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 riding experience more enjoyable and trouble-free.

I M P O R T A N T

Consumer Safety Information

1. The fork on your bicycle is designed for use by a single rider, on mountain trails, and similar off-road conditions.
2. Before riding the bicycle, be sure the brakes are properly installed and adjusted. If the brakes do not work properly, the rider could suffer serious and/or fatal injuries.
3. Your fork may fail in certain circumstances, including, but not limited to, any condition that causes a loss of oil; collision or other activity bending or breaking the fork's components or parts; and extended periods of non-use. Fork failure may not be visible. Do not ride the bicycle if you notice bent or broken fork parts, loss of oil, sounds of excessive topping out, or other indications of a possible fork failure, such as loss of shock absorbing properties. Instead, take your bike to a qualified dealer for inspection and repair. In the event of a fork failure, damage to the bicycle or personal injury may result.
3. Always use genuine RockShox parts. Use of aftermarket 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.
4. Use extreme caution not to tilt the bicycle to either side when mounting the bicycle to a carrier by the fork drop-outs (front wheel removed). The fork legs may suffer structural damage if the bicycle is tilted while the drop-outs are in the carrier. Make sure the fork is securely fastened down with a quick release. Make sure the rear wheel is fastened down when using ANY bike carrier that secures the fork's drop-outs. Not securing the rear can allow the bike's mass to side-load the drop-outs, causing them to break or crack. If the bicycle tilts or falls out of its carrier, do not ride the bicycle until the fork is properly examined for possible damage. Return the fork to your dealer for inspection or call RockShox if there is any question of possible damage (See the International Distributor List). A fork leg or drop-out failure could result in loss of control of the bicycle with possible serious and/or fatal injuries.
5. Only mount cantilever-type brakes to the existing brake posts. Forks with hangerless style braces are only designed for 'V'- style or hydraulic cantilever brakes. Do not use any cantilever brake other than those intended by the brake manufacturer to work with a hangerless brace. Do not route the front brake cable and/or cable housing through the stem or any other mounts or cable stops. Do not use a front brake cable leverage device mounted to the brace.
6. Observe all owner's manual instructions for care and service of this product.

ROCKSHOX FORKS ARE DESIGNED FOR COMPETITIVE OFF-ROAD RIDING AND DO NOT COME WITH THE PROPER REFLECTORS FOR ON-ROAD USE. YOUR DEALER SHOULD INSTALL PROPER REFLECTORS TO MEET THE CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) REQUIREMENTS FOR BICYCLE STANDARDS IF THE FORK IS GOING TO BE USED ON PUBLIC ROADS AT ANY TIME.

INSTALLATION

It is extremely important that your RockShox fork is installed correctly by a qualified bicycle mechanic. Improperly installed forks are extremely *dangerous* and can result in *severe and/or fatal injuries*.

1. Remove the existing fork from the bicycle and the crown race from the fork. Measure the length of the fork steerer tube against the length of the RockShox steerer tube. The RockShox steerer tube may need cutting to the proper length. Make sure there is sufficient length to clamp the stem (refer to the stem manufacturer's instructions).



WARNING

DO NOT ADD THREADS TO ROCKSHOX THREADLESS STEERERS. THE STEERER TUBE CROWN ASSEMBLY IS A ONE-TIME PRESS FIT. REPLACEMENT OF THE ASSEMBLY MUST BE DONE TO CHANGE THE LENGTH, DIAMETER OR HEADSET TYPE (THREADED OR THREADLESS).

DO NOT REMOVE OR REPLACE THE STEERER TUBE. THIS COULD RESULT IN THE LOSS OF CONTROL OF THE BICYCLE WITH POSSIBLE SERIOUS AND/OR FATAL INJURIES.

2. Install the headset crown race (29.9mm for 1 1/8" steerers) firmly against the top of the fork crown. Install the fork assembly on the bike. Adjust the headset until you feel no play or drag.
3. Install the brakes according to the manufacturer's instructions and adjust brake pads properly. Use the fork only with V-type or hydraulic cantilever brakes mounted to the existing brake posts or disc style brakes mounted through the provided mounting holes. Do not use any cantilever brake other than those intended by the brake manufacturer to work with a hangerless brace.
4. Adjust the front wheel quick release to clear the dropout's counter bore. The quick release nut must be tightened after the wheel is properly seated into the dropout's counter bore. Make sure four or more threads are engaged in the quick release nut when it is closed. Orient the quick release lever in front of and parallel to the lower tube in the locked position.
5. Keep in mind tire clearance as you choose tires. Maximum size is 2.7" wide or 348 mm radius installed. Be sure to check this radius whenever you change tires. To do this, remove the top caps and spring stack assemblies and compress the fork completely to make sure at least 5 mm of clearance exists between the top of the tire and the bottom of the crown. Exceeding maximum tire size will cause the tire to jam against the crown when the fork is fully compressed.

PERFORMANCE TUNING

RockShox Psylo forks can be tuned for your particular weight, riding style, and terrain.

Checking Sag

Psylo forks are designed to sag when you are sitting on your bike. Sag is the compression of the fork caused by the rider's weight. Proper sag allows the front wheel to follow the contour of the terrain as you ride.

To measure sag, set the fork to maximum travel (125 mm). Install a zip tie on the upper tube of the fork flush against the wiper seal. Sit on the bike with normal riding apparel. Step off the bike, and measure the distance between the wiper seal and the zip tie. This is your sag. The sag should be between 15 and 25 (19 to 31 mm) percent of maximum travel. If you're unable to achieve optimum sag you may need to change the fork's spring.

Changing the Spring Rate

Spring rate is the amount of force needed to compress a spring one inch. Changing your Psylo fork's coil spring for a spring of a higher or lower rate will alter the overall feel of your fork. Higher spring rates make the fork feel more "stiff", while lower spring rates make the fork more "supple". Contact your local RockShox dealer to order replacement springs.

NOTE: WHEN DECREASING TRAVEL (SEE "U-TURN TRAVEL ADJUST"), YOU INCREASE THE SPRING RATE.

External Rebound Adjustment (XC only)

To change the rebound damping on your Psylo, locate the adjuster knob on the lower right leg. A clockwise adjustment will increase the rebound damping; a counterclockwise adjustment will decrease the rebound damping.

The knob offers 90 degrees of adjustment. Do not turn the rebound adjuster past its stop limits. Small changes in knob position will make large changes on the trail. Start in the middle, and increase or decrease as necessary.

U-turn Travel Adjust

Psylo forks can be adjusted from 80 to 125 mm of travel. To determine the travel on your fork, measure the amount of exposed upper tube (from the bottom of crown to the wiper seal). Compare this measurement to the chart below.

Fork Travel	Wiper Seal to Crown (+/- 3mm)
80 mm	100 mm
100 mm	120 mm
125 mm	145 mm

Changing Travel

Turning the U-turn adjuster knob counterclockwise increases travel. There are approximately six turns to achieve maximum travel (125 mm). Each turn increases or decreases the travel by 7.5 mm (fig. 1).

IMPORTANT: STOP TURNING THE U-TURN ADJUSTER KNOB AFTER YOU'VE REACH 125 MM OF TRAVEL (MAXIMUM TRAVEL). TURNING THE KNOB PAST THIS POINT MAY CAUSE DAMAGE TO THE U-TURN FEATURE.

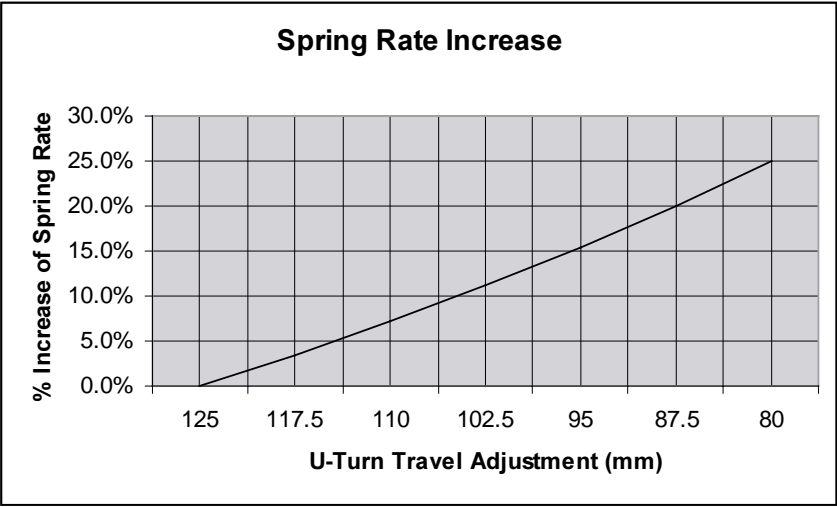


Fig. 1

TULLIO QUICK RELEASE (SOME MODELS)

IMPORTANT Consumer Safety Information

The Tullio Quick Release system allows the use of a standard 20 mm X 110 mm thru-axle hub for enhanced stiffness. The axle threads into the left fork leg, tightening the hub against the left drop out. The axle is clamped in place in the lower casting by the Tullio Quick Release levers. Check with your hub manufacturer for compatibility, then follow the steps below.

Riding with an improperly installed wheel can allow the wheel to move or disengage from the bicycle, causing damage to the bicycle, and serious injury or death to the rider. It is essential that that you:

- Ensure that your axle, dropouts, and quick release mechanisms are clean and free of dirt or debris.
- Ask your dealer to help you understand how to properly secure your front wheel using the Tullio Quick Release System
- Apply the correct techniques when installing your front wheel.
- Never ride your bicycle unless you are sure the front wheel is installed properly and secure.

Installation

If using a rim brake, you may need to open the brake shoes. If you are unfamiliar with opening your brake, see your brake manufacturer's instructions.

1. Open the left and right dropouts by pulling downward on the fork's quick release levers.
2. Position your wheel in the dropouts of the lower leg. The hub should seat firmly in the dropouts.

If using a disc brake, be sure to position the rotor in the caliper. Verify that neither the rotor, hub, nor rotor bolts interfere with the lower legs. If unfamiliar with adjusting your disc brake, see your brake manufacturer's instructions.

Tighten

1. Slide the axle through the right side of the hub until it engages the threads of the left drop out.
2. Gently pull on the axle fixing lever to remove it from the axle. Rotate the lever 90 degrees until it is perpendicular to the axle.
3. To tighten the axle into the dropout, turn the axle fixing lever clockwise until the left side of the axle is flush with the outside face of the left dropout.

NOTE : HAND TIGHTEN THE AXLE INTO THE LOWER CASTING. NEVER USE ANY OTHER TOOL TO TIGHTEN THE AXLE INTO THE LOWER LEG. OVER-TIGHTENING OF THE AXLE CAN DAMAGE THE AXLE AND/OR THE LOWER LEG.

Secure

1. Close the dropouts by pushing the fork's left and right quick release levers towards the lower legs.
2. The quick release mechanism is an "over-center cam", similar to the quick release found on many bicycle wheels. When closing the dropouts, tension should be felt when the quick release lever is in the horizontal position (90 degrees to the lower leg), and the quick release lever should leave an imprint in the palm of your hand. If resistance is not felt at the 90 degree position and if the lever does not leave a clear imprint in the palm of your hand, tension is insufficient. To increase tension, open the quick release lever and using a 3 mm hex wrench, turn the quick release retaining screw in small increments until proper tension is felt.
3. Verify that the axle is unable to spin or move in the dropout by grasping the axle lever and turning counter clockwise.



WARNING

DIRT AND DEBRIS CAN ACCUMULATE BETWEEN THE DROPOUT OPENINGS. ALWAYS CHECK AND CLEAN THIS AREA WHEN REINSTALLING THE WHEEL. ACCUMULATED DIRT AND DEBRIS CAN COMPROMISE THE SECURITY OF THE AXLE, LEADING TO SERIOUS AND/OR FATAL INJURY.

4. Re-install the axle lever into the axle.

NOTE: REMOVAL AND INSTALLATION OF THE FRONT WHEEL CAN AFFECT BRAKE PERFORMANCE. FOLLOWING WHEEL INSTALLATION, ALWAYS CHECK YOUR BRAKES IN A FLAT AREA, AWAY FROM TRAFFIC, OBSTACLE, OR OTHER HAZARDS.

MAINTENANCE

To maintain the high performance, safety, and long life of your fork, periodic maintenance is required. If you ride in extreme conditions, maintenance should be performed more frequently.

Before Every Ride

Check the other components on your bicycle in accordance with the manuals supplied by the manufacturer to make sure they are in working order.

After Every Ride

Clean and dry the exterior of your fork. Avoid directing water pressure at the upper tube/wiper seal junction.

Every 25 hours of Riding

- Using a thin blade screwdriver, carefully push the wiper seal up from the lower tubes. Saturate the foam wiper with 5 weight oil. Refit wiper in lower tube.

NOTE: TO PREVENT SCRATCHING THE UPPER TUBES, COVER THE SCREWDRIVER TIP WITH A SOFT CLOTH. CAREFULLY LIFT THE FOAM LUBRICATION RING. ENSURE THAT THE FOAM RING IS CLEAN AND FREE OF DEBRIS.

- Check top cap assemblies, brake post bolts, and shaft bolts for proper torque.

Torque Tightening Values

Top Caps	40 in-lb
Brake Posts	80 in-lb
Shaft Bolts	60 in-lb

Every 100 Hours of Riding

We recommend this service be performed by a qualified bicycle mechanic. To obtain service information or instructions, visit our website at www.rockshox.com or contact your local RockShox dealer or distributor.

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 has 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

Brioni 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
Phone: 43 512 39 22 87
FAX: 43 512 39 45 19
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

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Bell Sports Canada
Phone: 800 661 1662 (Calgary)
FAX: 800 465 4018
BAY 147, 2760 45TH AVE SE
CALGARY, ALBERTA
T2B 3M1

Chile

Bicicletas Belda Limitada
Phone: 56 32 881799
FAX: 56 32 978799
14 NORTE 1001
VINA DEL MAR

Costa Rica

Inversiones Y Sistemas Garvi
Phone: 506 296 3383
FAX: 506 289 7013
P.O. BOX 4805-1000, SAN JOSE

Croatia

Ciklo-Centar
Phone: 385 1 234 22 24
FAX: 385 1 234 34 22
JURJA VES 30A
10000 ZAGREB

Czech Republic

Vanek Praha
Phone: 42 0 312 698 1889
FAX: 42 0 312 698 025
CERRENY UJEZD 185, UNHOST,
27351

Denmark

Duell A/S
Phone: 45 86 36 7800
FAX: 45 86 36 7377
MOLLERUPVEJ 3, TAASTRUP,
8410 RONDE

Ecuador

Bici Sport
Phone: 5932 248737
FAX: 5932 253691
AV DE DICIEMBRE 6327, ENTRE
LOUVRE Y TOMAS DE,
BERLANGA.LOCAL #3, QUITO

Estonia

Hawaii Express
Phone: 372 6 398 508
FAX: 372 6 398 566
REGATI 1, 5K-102, TALLINN, 11911,
Estonia
Or
Estonian Unidream
Phone: 372 636 7470
Fax: 372 636 7470
Paavli 2A, Tallinn
EE0004, Estonia

Finland

Mr. Cool OY
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FAX: 358 9 3250609
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00950

France

Royal Velo France
Phone: 33 325 433 730
Fax: 33 325 43 95 95
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CHAMPANGE
ST THIBAUT, 10800

Germany

Sport Import GmbH
Phone: 49 44 05 9280 0
FAX: 49 44 05 9280 49
INDUSTRIESTRASSE 41 B,
EDEWECHT, 26188

Greece

Gatsoulis Stefanos Imports
Phone: 30 12512 779
FAX: 30 12533 960
8 THESSALONIKIS STREET, NEW
FILADELFIA, ATHENS, T.T. 14342

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18 CALLE 7-48, ZONA 10,
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Phone: 852 23813661
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BUDAPEST, 1054

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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
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HUMBERTO LOBO #780, COL. DEL
VALLE, GARZA GARCIA, MEXICO,
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W.H. Whorrall & Co. Ltd.
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PENROSE, AUCKLAND
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087 WARSZAWA

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

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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