

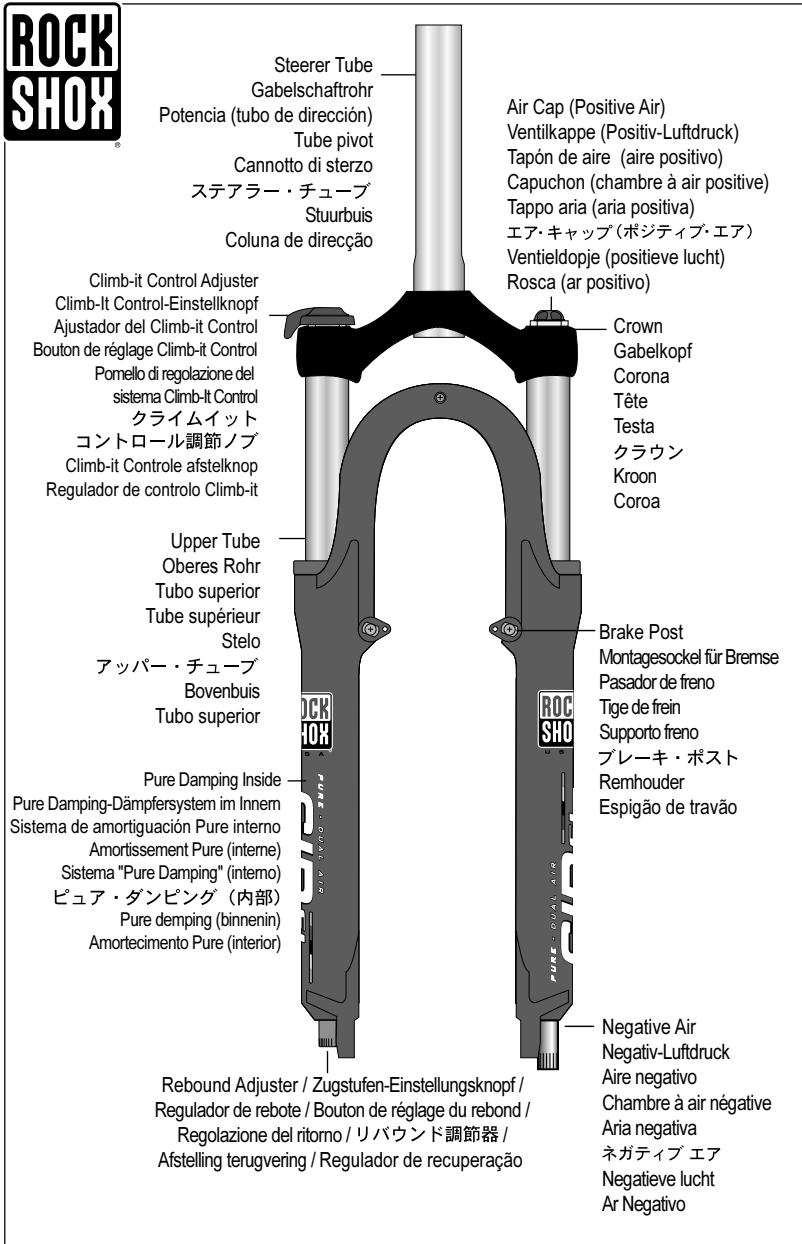
2002

SID

OWNER'S MANUAL



SL AND RACE



**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 tire size is 26 x 2.1" wide or 664 mm diameter installed. Be sure to check this diameter whenever you change tires. To do this, remove the air pressure from the fork 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 SID forks can be tuned for your particular weight, riding style, and terrain.

Setting Sag

SID 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. Sag is adjusted by increasing or decreasing the positive air pressure of your fork. Increasing the pressure in your positive chambers will decrease sag. Decreasing the pressure in your positive air chambers will increase sag.

Travel	Intended Use	Sag
63 mm	Racing	6-9 mm
63 mm	XC	9-12 mm
80 mm	Racing	8-12 mm
80 mm	XC	12-16 mm

To measure sag, 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.

Air Pressure Guidelines

Use the table below to assist with positive air pressure. Always tune positive air pressure first, based on the desired sag.

<u>Rider Weight</u>	<u>Positive Air Pressure</u>
>120lb (55 kg)	70-80 psi
120-140lb (55-65 kg)	80-100 psi
140-160lb (65-73 kg)	100-120 psi
160-180lb (73-82 kg)	120-140 psi
>180lb (82 kg)	140-160 psi

ADDING POSITIVE AIR PRESSURE

Remove the air cap to expose the air valve. Using a RockShox Air Pump (with schrader valve), add the recommended air pressure (see "Air Pressure Guidelines").

NOTE: RECOMMENDED MAXIMUM AIR PRESSURE IS 180 PSI.

Adjusting your forks negative air pressure will change its ride characteristic. More negative air pressure will make the fork more active over small bumps. Less negative air pressure will reduce bobbing. Always tune positive air pressure first, then adjust negative air pressure.

<u>Rider Weight</u>	<u>XC</u>	<u>Racing</u>
>120lb (55 kg)	70-80 psi	40-60 psi
120-140lb (55-65 kg)	80-100 psi	60-80 psi
140-160lb (65-73 kg)	100-120 psi	80-100 psi
160-180lb (73-82 kg)	120-140 psi	100-120 psi
>180lb (82 kg)	140-160 psi	120-140 psi

ADDING NEGATIVE AIR PRESSURE

Remove the schrader air cap from the bottom of the left shaft air valve. Using a RockShox air pump, add the recommended air pressure through the bottom of the left shaft air valve.

NOTE: RECOMMENDED MAXIMUM AIR PRESSURE IS 180 PSI.

NOTE: AFTER INITIAL SET-UP, YOU MAY NEED TO MAKE ADDITIONAL ADJUSTMENTS BASED ON YOUR TYPE OF RIDING (RACE OR FREE-RIDING).

External Rebound Adjustment

To change the rebound damping on your SID, 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 three complete turns 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.

Changing Travel

To change the travel of your fork for 63 to 80 mm you must perform a full service on your fork. To obtain service information or instructions, visit our website at www.rockshox.com or contact your local RockShox dealer or distributor.

PURE SYSTEM

Your fork uses the Pure Damping System. This system provides maximum ride control with on-the-fly adjustable compression damping (including lockout).

Climb-It Control Performance

To change the compression damping adjustment on your fork, locate the red adjuster knob on the top of the right leg. A clockwise adjustment increases the compression damping. Turning the adjuster completely clockwise provides on-the-fly lockout to minimize movement while

sprinting or climbing. Integrated into the lockout system is a big-hit blow-off feature, allowing fork movement in the event of an unexpected change in terrain.

To maintain lockout control and damping quality, the Pure Damping system's oil should be changed once a year. We recommend that this level of service be performed by a qualified bicycle mechanic with proper tools. For more detailed service information, contact your local RockShox dealer or visit www.rockshox.com.

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.

Maintenance	<i>Every Ride</i>	<i>25 Hours</i>	<i>50 Hours</i>	<i>100 Hours</i>	<i>200 hours</i>
Clean dirt and debris from upper tubes	✓				
Check upper tubes for scratches	✓				
Check top caps, brake posts and shaft bolts for proper torque		✓			
Lubricate foam ring		✓			
Remove lower casting, clean bushings and change oil bath			✓*		
Change oil in Pure System				✓*	
Clean and lubricate Dual Air system				✓*	
Rebuild Pure System					✓*

* 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.

Torque Tightening Values

Top Caps	60 in-lb
Brake Posts	80 in-lb
Cartridge Sleeve Retainer	20 in-lb
Reflector Bracket Nut	60 in-lb
Air Shafi Nut	45 in-lb
Damper Shaft Bolt	50 in-lb

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

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
Phone: 43 5223 46444
FAX: 43 5223 46444-14
Gewerbepark 12
Mils, Austria 6060

Belgium

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

Bulgaria

Rog 2000
Phone: 3592 44 7042
FAX: 3592 943 3445
18, IVAN ASSEN STR.
1000 SOFIA

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
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
JURJAJ VES 30A
10000 ZAGREB

Czech Republic

Vanek Praha
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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, BERLAN-
GA.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
Phone: 358 9 3250817
FAX: 358 9 3250609
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00950

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Royal Velo France
Phone: 33 325 433 730
Fax: 33 325 43 95 95
4 RUE DES AZALEES, P.A. SUD-
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,
GUATEMALA

Holland

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FAX: 31 23 57 18606
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HOLLAND

Hong Kong

Flying Ball Bicycle Company
Phone: 852 23813661
FAX: 852 23974406
201 TUNG CHOI ST. G/F,
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Prokero Ltd Co.
Phone: 361 331 3184
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KALMAN IMRE UTCA 23,
BUDAPEST, 1054

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Orminn Hjol Ltd
Phone: 354 588 9892
FAX: 354 588 9896
SKEIFAN 11, P.O. BOX 8036, REYK-
JAVIK

Ireland

Madison
Phone: 44 20 8385 3385
Fax: 44 20 8385 3443
BUCKINGHAME HOUSE EAST,
THE BROADWAY
STANMORE, MIDDLESEX HA7 4EA
UNITED KINGDOM

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Becidan Cycles
Phone: 972 9 954 9165
FAX: 972 9 954 9165
92 SOKOLOV HERZELYA

Italy

Motorquality
Phone: 39 02 24 951 1
FAX: 39 02 24 951 228
20099 SESTO S. GIOVANNI, (MI) I
VIA VENEZIA, (ANG. VIA CARDUC-
CI), MILANO

Japan

Yoshigai Corporation
Phone: 81 6 4309 2530
FAX: 81 6 4309 2532
74-3 Nagata-Higashi,
Higashi-Osaka, Japan

Korea

Outdoor International Co., LTD
Phone: 82 2 474 0818
Fax: 82 2 474 0656
3F 379-20 SUNGNAE-DONG,
KANGDONG-KU, SEOUL, 134-030

Latvia

Veloserviss
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Fax: 371 750 1298
1/1 HAPSALAS ST., RIGA, LV-1005

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Malaysia

Gin Huat Cycle Trading
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FAX: 603 6189 1662
NO. 8, JALAN INDUSTRI BATU
CAVES ½
TAMAN PERINDUSTRIAN BATU
CAVES
68100 BATU CAVES
SELANGOR DARUL EHSAN

Mexico

Tekno Bike & Outdoor Prod.
Phone: 52 8 343 1550
FAX: 52 8 343 1275
Porfirio Diaz #469
Col Centro CP 6400
Monterey, NL Mexico

New Zealand

W.H. Whorrall & Co. Ltd.
Phone: 64 9 63 6 06 41
FAX: 64 9 63 6 06 31
43 FELIX ST
PENROSE, AUCKLAND
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Norway

Hallman Sports
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HALLNASGATAN 8, S-75228 UPP-
SALA, SWEDEN

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VIA ESPANS EDIFICA CARCEP,
P.O. BOX 87-0852, PANAMA 7

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Rojo Sports
Phone: 511 447 0838
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AV. REPUBLICA DE, PANAMA 6513,
LIMA 33

Poland

Giant Polska S.P. ZOO
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AL NIEPODLEGLOSCI 221-4, 02-
087 WARSZAWA

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Bicimax
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FAX: 351 244 553187
APARTADO 34, 2431 MARINHA
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Russia

Sportex
Phone: 7095 288 4524
FAX: 7095 288 6888
KUDRINSKAYA PL., 1,, P.O.BOX 33,
MOSCOW, 123242

St. Maarten

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

Singapore

Trekology Bikes 3
Phone: 65 466 2673
FAX: 65 466 7610
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Paul Lange Oslany
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Slovenia

Proloco Trade
Phone: 386 64 380 200
FAX: 386 64 380 2022
ENOTA KRANJ, BRITOF 96A, 4000
KRANJ

South Africa

Coolheat (SA) (PTY) Ltd.
Phone: 27 11 807 5282
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TRAL, P O BOX 740, JOHANNES-
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NO. 12 FU TEH ROAD, 266 LANE,
37 ALLEY HSICHIH, TAIPEI HSIEN,
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PLANTA BAJA, LOCAL 3-A CALLE
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0, CARACAS

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May 2001



**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