

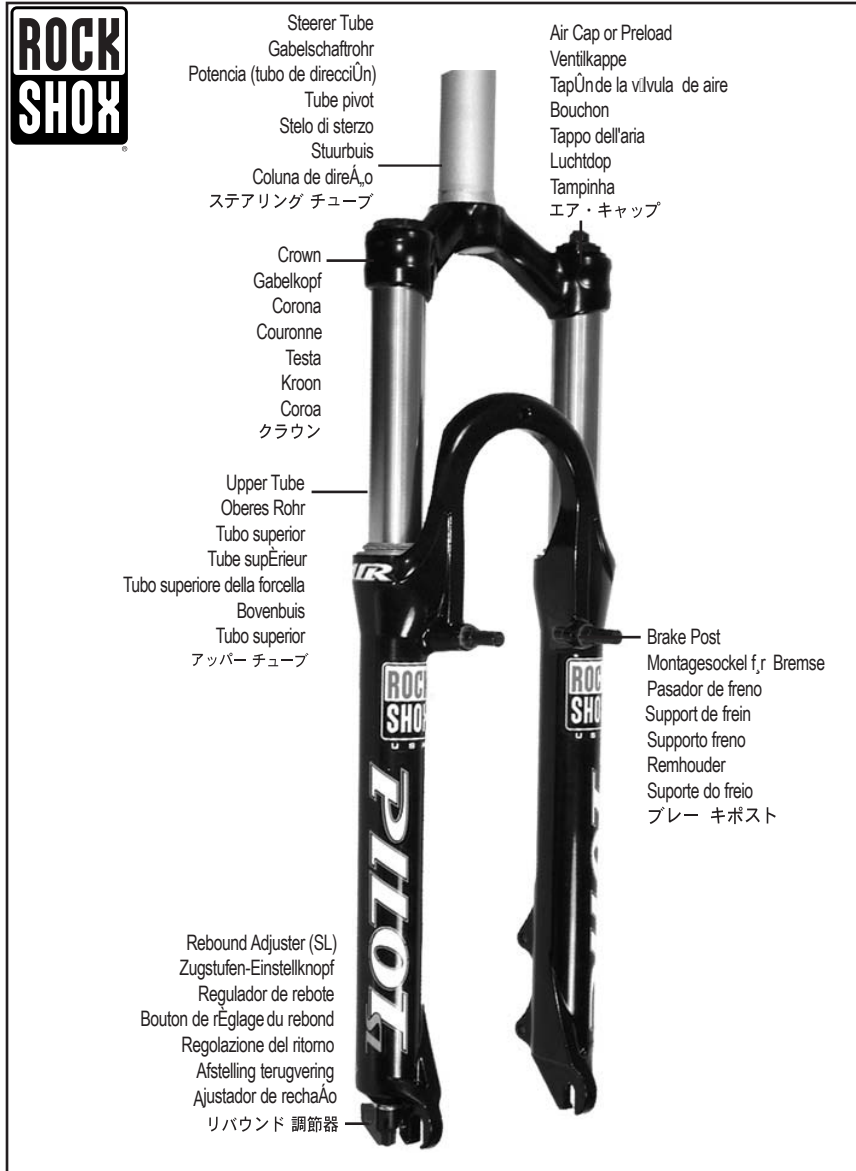
2003

PILOT

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 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.



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.

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.
4. 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.
5. 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.
6. 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.
7. 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 2.2" wide or 335 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 Pilot forks can be tuned for your particular weight, riding style, and terrain.

Setting Sag

Pilot 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.

Pilot SL and XC: Sag is adjusted by the amount of air you add to the fork (less air equals more sag).

Pilot C: Sag is adjusted by turning the top cap preload adjuster. Turning the adjuster clockwise increases spring preload (i.e. stiffening the spring), decreasing sag. Turning the adjuster counterclockwise decreases spring preload which increases sag.

PILOT XC/SL AIR PRESSURE GUIDELINES

Rider Weight (lb)	Air Pressure	Sag	%of Travel:	
			80 mm	100mm
<140 (63 kg)	—	18-25 mm	22-31%	18-25%
140-160 (63-72 kg)	0-5 psi	18-25 mm	22-31%	18-25%
160-180 (72-81 kg)	5-10 psi	18-25 mm	22-31%	18-25%
180-200 (81-90 kg)	10-15 psi	18-25 mm	22-31%	18-25%
>220 (99 kg)	15-20 psi	18-25 mm	22-31%	18-25%

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.

ADDING AIR PRESSURE (PILOT SL AND XC ONLY)

Remove the air cap to expose the air valve. Using a shock pump with schrader valve, add the recommend air pressure into the air valve (see Air Pressure Guidelines").

NOTE: MAXIMUM AIR PRESSURE IS 50 PSI.

External Rebound Adjustment (SL only)

Rebound damping controls the speed at which a fork returns to its full extension following compression. Located at the bottom of the right fork leg is the rebound adjuster knob. Turning the adjuster in the direction indicated by the "rabbit" on the rebound speed decal decreases rebound damping, causing the fork to return to full extension faster. Turning the adjuster in the direction indicated by the "turtle" increases rebound damping, slowing the return of the fork to full extension.

Excessive rebound damping will cause the fork to "pack up" over successive bumps, reducing travel and causing the fork to bottom out. Set your fork to rebound as fast as possible without "topping out" or kicking back. This allows your fork to follow the contours of the trail, maximizing stability, traction and control.

Oil Tuning (Pilot C only)

Changing the HydraCoil oil in your Pilot C fork will alter its rebound characteristics. Rebound is the extension or return of your fork. To slow the rebound of your fork, replace the stock 10 wt. oil in your fork with a heavier or lighter weight oil (15 or 5 wt.). For further information on oil volumes and adding oil to your fork, visit our website at www.rockshox.com or contact your RockShox local dealer or distributor.

Changing Travel (SL only)

To change the travel of your fork from 80 to 100 mm or from 100 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.

NOTE: PILOT C FORKS COME AS 80 OR 100 MM FIXED TRAVEL. TRAVEL ON THIS FORK IS NOT ADJUSTABLE.

MAINTENANCE

To maintain the high performance, safety, and long life of your fork, periodic maintenance is

Maintenance	Every Ride	25 Hours	50 Hours	100 Hours
Clean dirt and debris from upper tubes	✓			
Check upper tubes for scratches	✓			
Check top caps, brake posts and shaft bolts for proper torque		✓		
Apply 2 to 3 drops of Teflon-based oil to the upper tube/lower tube junction		✓		
Clean and lubricate all internal parts and check for bushing play			✓*	
Change oil and rebuild the fork				✓*

required. If you ride in extreme conditions, maintenance should be performed more frequently.

* 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	65 in-lb
Brake Posts	80 in-lb
Shaft Bolts	60 in-lb
Check Air Pressure	See Air Pressure Guidelines

WARRANTY

RockShox, Inc. warrants its products for a period of two years from original date of purchase to be free from defects in materials or workmanship. RockShox USA, or an authorized RockShox Agent must inspect all RockShox products. If a product is found by RockShox or its authorized agent to be defective in materials or workmanship, replacement or repair is at the option of RockShox. This warranty is the sole and exclusive remedy. RockShox shall not be held liable for any indirect, special, or consequential damages.

Exclusions of Warranty

This 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, impact, abuse of the product, non-compliance with manufacturer's specifications, 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.

Original proof of purchase is required. Warranty repair/replacement is only valid upon presentation of proof of purchase, directly submitted to RockShox at the time of warranty evaluation. Warranty repair or replacement is at the discretion of RockShox or its authorized agent, upon physical product evaluation and proof of purchase.

This warranty does not include or cover common 'wear and tear' parts which are subject to damage as a result of normal use, failure to service product according to RockShox recommendations, wet conditions, racing, use of disc brakes, rider weight, riding or installation in conditions or applications other than recommended.

'Wear and Tear' parts are identified as: External dust seals, bushings, foam rings, rubber moving parts (such as air sealing o-rings and glide rings), stripped threaded shafts or bolts, upper tubes (stanchions), rear shock mounting hardware and springs, and fork drop outs.

Pioneer Support Program

In the event parts are unavailable at the time of your repair, at the option of RockShox or its authorized agent, a replacement fork may be provided at a determined discount price.

Warranty Expenses Incurred

The RockShox warranty policy excludes expenses incurred as a result of transportation of product from a RockShox dealer to RockShox USA, or its authorized distributor, labor performed by a RockShox dealer for removal of RockShox product, or warranty repair work performed by a RockShox dealer. Warranty work performed by a RockShox dealer is voluntary.

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. Outside the USA, dealers are required to call an authorized RockShox Distributor.

For more technical information, visit our website at www.rockshox.com. For toll-free technical support in the USA, call 1.800.677.7177. Dealers outside the USA must contact their local dealer or distributor. For a complete list of Authorized Distributors outside the USA, visit www.rockshox.com.

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 0 5223 46444
FAX: 43 0 5223 46444-14
A-6060 Milis
Gewerbepark 12

Belgium

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

Brunei

Trekology Bikes 3
Phone: 65 466 2673
FAX: 65 466 7610
24 HOLLAND GROVE ROAD, SINGAPORE,
1545

Bulgaria

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

Bulgaria

X Sports
Phone: 359 2 981 8852
FAX: 359 2 981 8852
4 BACHO KIRO STR.
1000 SOFIA
BULGARIA

Brazil

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

Canada

Cycles Lambert
Phone: 800 463-4452 (Quebec)
FAX: 800 461 1685
100 Rue des Riveurs
LEVIS, QUEBEC
G6V 9G3

Chile

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

Columbia

Santiago Botero Rincon
Phone: 6-8811301
CARRERA 23 #55-37
MANIZALES, CALDAS

Costa Rica

Inversiones Y Sistemas Garvi
Phone: 506 296 3383
FAX: 506 289 7013
P.O. BOX 1776151
SANTA ANA, 2000

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

Deporte Extremo S.A.
Phone: 593 2 224-8737
FAX: 593 2 225-3691
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

Estonia

Estonian Unidream
Phone: 372 636 7470
Fax: 372 636 7470
Paavli 2A, Tallinn
EE0004, Estonia

Finland

Hallman Sports Oy
Puutarhakatu 19 A
FIN-20100 Turku
FINLAND
Tel +358-20-155 0800
Fax +358-20-155 0801

France

Royal Velo France
Phone: 33 325 40 39 39
Fax: 33 325 40 69 50
4 RUE DES AZALEES, P.A. SUD-
CHAMPANGE
ST THIBAULT, 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

Greece

NIKOS MANIATOPOULOS
Phone: 30 610-990424
FAX: 30 61-993045
AG. VASSILIOS
PATRAS 265 00

Guatemala

Bike Center
Phone: 502 366 7709
FAX: 502 363 3918
18 CALLE 7-48, ZONA 10, GUATEMALA

Holland

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

Hong Kong

Flying Ball Bicycle Company
Phone: 852 23813661
FAX: 852 23974406
201 TUNG CHOI ST. G/F, MONGKOK
KOWLOON

Hungary

Prokero Ltd Co.
Phone: 361 331 3184
FAX: 361 331 3184
KALMAN IMRE UTCA 23, BUDAPEST, 1054

Iceland

Ominn Hjol Ltd
Phone: 354 588 9892
FAX: 354 588 9896
SKEIFAN 11, P.O. BOX 8036, REYKJAVIK

Indoenisa

Trekology Bikes 3
Phone: 65 466 2673
FAX: 65 466 7610
24 HOLLAND GROVE ROAD, SINGAPORE,
1545

Ireland

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

Israel

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 CARDUCCI), MILANO

Japan

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

Korea

OD Bike Inc.
Phone: 82 2 474 0818
Fax: 82 2 474 0656
3F 379-20 SUNGNAE-DONG, KANGDONG-
KU, SEOUL, 134-030

Latvia

Veloserviss
Phone: 371 750 1292
Fax: 371 750 1298
1/1 HAPSALAS ST., RIGA, LV-1005

Luxembourg

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

Malaysia

Gin Huat Cycle Trading
Phone: 603 6189 1663
FAX: 603 6189 1662
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

Norway

Cycle Pro
Phone: 46 18 56 16 00
FAX: 46 18 50 03 22
HALLNASGATAN 8, S-75228 UPPSALA,
SWEDEN

Panama

Distribuidora Rali S.A.
Phone: 507 220-3844
FAX: 507 220-5303
VIA ESPANS EDIFICA CARCEP, P.O. BOX
87-0852, PANAMA 7

Peru

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

Philippines

Bent Spoke
Phone: 63 919-295-0928
FAX: 63 919-295-0928
64-D MAYSILLO ST.
MANDALUYONG CITY

Poland

R & P Pawlak
Phone: 48-61-875 8032
FAX: 48-61-878 7266
Ul. Strarolecka 18
61-361 Poznan

Portugal

Bicimax
Phone: 351 244 553276
FAX: 351 244 553187
APARTADO 34, 2431 MARINHA GRANDE

Russia

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

Russia

Velomir
Phone: 7 095 237 8682
FAX: 7 095 237 8463
113093 LUSINOVSKAYA 53/12
MOSCOW, 113096
RUSSIA

St. Maarten

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

Singapore

Treknology Bikes 3
Phone: 65 466 2673
FAX: 65 466 7610
24 HOLLAND GROVE ROAD, SINGAPORE,
1545

Slovak Republic

Paul Lange Oslany
Phone: 42 1 862 5492 344
FAX: 42 1 862 5492 350
MIEROVA 854/37 OSLANY, 97247 SLOVAKIA

Slovenia

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

Spain

K. Motor Dealer S.L.
Phone: 34 9 1 637 70 97
FAX: 34 9 1 637 72 64
PARQUE INDUSTRIAL, EUROPOLIS
EDIFICIO BRUSELA, BLOQUE 4, NAVE 1,
LAS ROZAS (MADRID), N/A, 28230

Sweden

Hallman Sports
Phone: 46 18 56 16 00
FAX: 46 18 50 03 22
HALLNASGATAN 8, S-75228 UPPSALA

Switzerland

Cilo Bike Service SA
Phone: 41 21 641 63 30
FAX: 41 21 641 63 82
CH. DE L'ORIO 30 A, CASE POSTALE 64,
CH- 1032 ROMANEL S. LAUSANNE

Taiwan

Biketech Co. Ltd.
Phone: 886 22 694 5806
FAX: 886 22 694 6133
NO. 14 FU TEH 1 ROAD, 392 LANE, 37
ALLEY HSICHIH, TAIPEI HSIEN, TAIWAN,
R.O.C.

Thailand

Probike Co. Ltd.
Phone: 662 254 1077
FAX: 662 254 1078
237/2 SARASIN ROAD, LUMPINNE,
PATUMWAN, BANGKOK, 10330

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Fax: 44 20 8385 3443
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BROADWAY
STANMORE, MIDDLESEX HA7 4EA
UNITED KINGDOM

Venezuela

Bike Sports
Phone: 582 751 9709
FAX: 582 753 5071
CENTRO COMERCIAL IBARRA, PLANTA
BAJA, LOCAL 3-A CALLE GARCILAZO,
COLINAS DE BELLO, O, CARACAS

950-006721-00
March 2002



**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