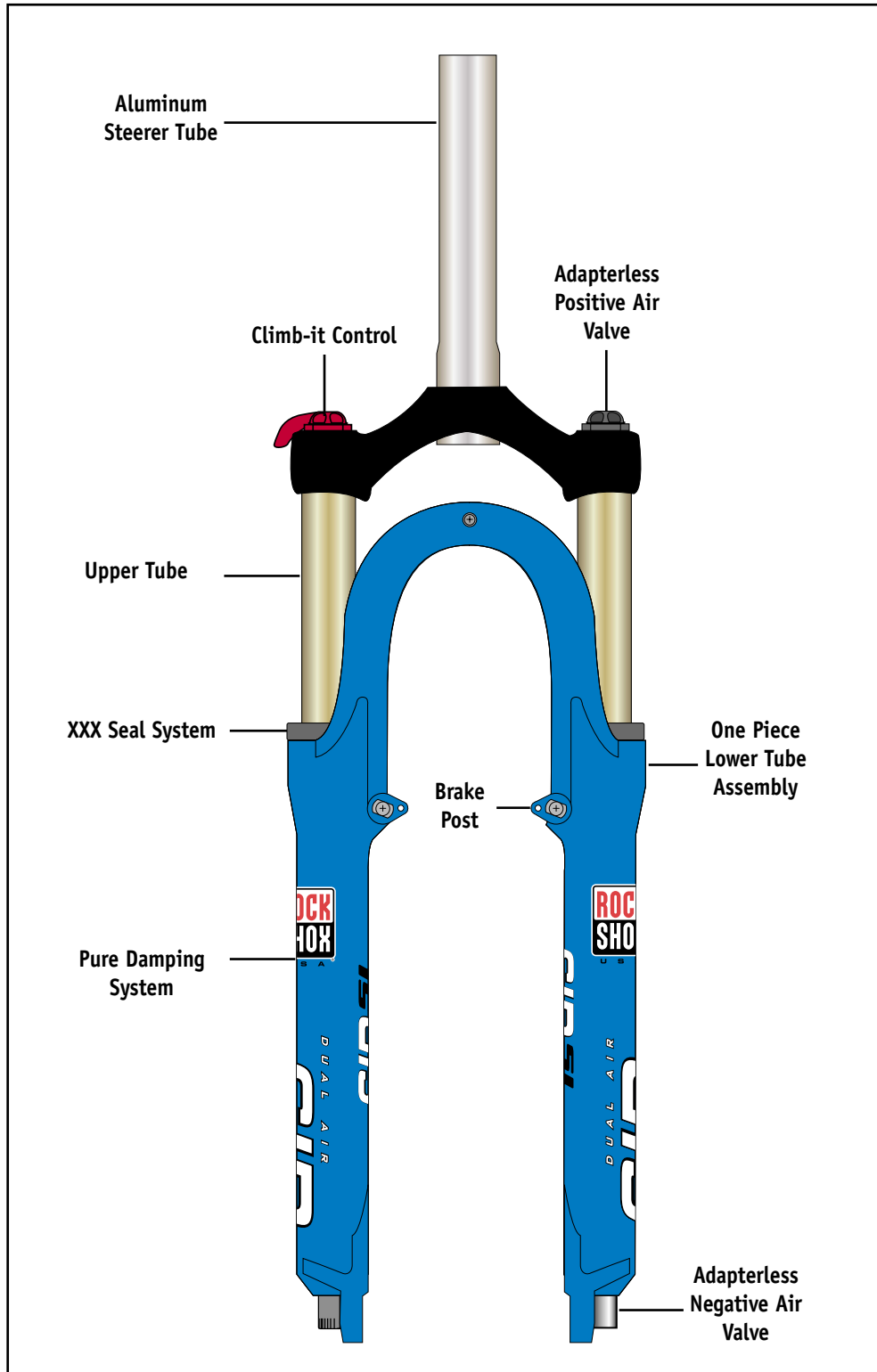




SID SL

2001 OWNER'S MANUAL



Note: Your fork's appearance may vary from the illustrations/photos in this manual.

* Denotes updated information since the printed version that came with your fork.

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 insure 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 bicycling experience more enjoyable and trouble-free.

I M P O R T A N T

Consumer Safety Information

1. 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.
2. If the fork ever loses oil or if it makes sounds of excessive topping out, stop riding the bicycle immediately and have the fork inspected by a dealer or call RockShox. Continuing to ride with the shock in 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 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.

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.

I N S T A L L A T I O N

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).

W A R N I N G

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 (26.4mm for 1" steerers, 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 2.6" wide or 347 mm radius installed. Be sure to check this radius whenever you change tires. To do this, remove the air and compress the fork completely to make sure at least 5mm 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.

6. Hangerless Reflector Bracket Installation: Orient black reflector bracket to the front of the fork with the 90-degree bend under the fork brace. Place the star washer onto the hex bolt and insert this assembly through the lowest oval hole in the bracket and through the hole in the brace. Thread the nut onto the bolt at the back of the brace and push the reflector bracket up until the tab rests firmly against the bottom of the fork brace. Torque nut to 60 in-lb. (6.8 Nm).

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 XXX seal. Sit on the bike with normal riding apparel. Step off the bike, and measure the distance between the XXX 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.

Rider Weight	Positive Air Pressure
>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

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.

Rider Weight	XC	Racing
>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

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. Small changes in knob position will make large changes on the trail. Start in the middle, and increase or decrease as necessary.

Climb-It Control

To change the compression damping adjustment on your SID, locate the Climb-It Control knob at the top cap of the right leg. A clockwise adjustment will increase the compression damping. Turning the adjuster completely clockwise will provide "On-The-Fly Lockout" to minimize movement while sprinting or climbing. Incorporated into the Lockout system is a big hit blow-off feature, allowing for fork movement in the event of an unsuspected change in terrain.

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/XXX seal junction.

Every 8 hours of Riding

- Wipe exterior surfaces, XXX seal area, and upper tubes. Apply 2-3 drops Teflon based lubricant to the upper tube/XXX seal area.
- Check top cap assemblies, brake post bolts, and shaft bolts for proper torque.

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 Shaft Nut	50 in-lb
Damper Shaft Bolt	50 in-lb

Every 50 Hours of Riding

NOTE: SERVICE ON YOUR SID CAN BE PERFORMED WITH IT STILL INSTALLED ON YOUR BICYCLE. YOU WILL NEED TO DISCONNECT THE FRONT BRAKE CABLE AND REMOVE THE WHEEL.

Tools required

- 5mm Hex Wrench
- Plastic Face Mallet
- Safety Glasses
- RockShox RedRum
- RockShox 15 wt. Oil*
- Torque Wrench
- 24 mm Socket
- 10 mm Socket
- SID Cartridge Removal Tool

REMOVE AIR PRESSURE (FIGS. 1-3)

1. Remove negative air valve cover. Depress schrader valve to remove negative air pressure.
2. Remove positive air valve cover. Depress schrader valve to remove positive air pressure.
3. Using a 24mm socket, remove left top cap.

REMOVE LOWER TUBE ASSEMBLY (FIGS. 4-6)

4. Loosen damper shaft bolt 5 turns and tap firmly with a plastic faced mallet to separate the shaft from the lower tubes.
5. Loosen air shaft nut and unthread to the end of the negative air shaft. Tap firmly with a plastic faced mallet to separate the shaft from the lower tube.
6. Keep a bucket nearby to catch oil. Inspect the condition of removed oil.
7. Remove cartridge shaft bolt and negative air shaft nut.
8. Carefully slide lower tube assembly off of upper tubes.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

CLEAN LOWER TUBE ASSEMBLY

9. Use a biodegradable solvent (Simple Green, Pedros, or equivalent) and a 12" long, 1 ¼" diameter soft bristle bottle brush to clean the lower tube internals. Dry thoroughly.

REMOVE NEGATIVE AIR ASSEMBLY (FIG. 7)

10. Remove bottom out bumpers from cartridge shafts.
11. Using the SID cartridge removal tool, unthread the negative air (left) assembly from the upper tube.
12. The cartridges are left hand thread. Use care not to damage the negative air piston/o-ring assembly on upper tube threads on removal.

ALL TRAVEL SYSTEM (FIGS. 8-9)

13. RockShox SID SLs can be configured for either 63 or 80 mm of travel. To change the travel from 63 to 80 mm of travel, remove the All Travel Spacer that is installed on negative air shaft. To change the travel from 80 to 63mm of travel, install the All Travel Spacer on the negative air shaft between the piston and the top out bumper.

INSTALL NEGATIVE AIR ASSEMBLY (FIG. 10)

14. Using RockShox Redrum, thoroughly lubricate the air piston o-ring.
15. Slide the negative air assembly (left leg) into the upper tube.
16. Using the SID cartridge removal tool, tighten the negative air assembly to 20 in-lb.
17. Re-install the bottom out bumper on each shaft.
18. The larger bottom out bumper should be installed on the damper (right leg) shaft, with the tapered end oriented down

INSTALL LOWER TUBE ASSEMBLY

19. Pour 5 cc Redrum on top of the air piston. (left side)
20. Install top cap and torque to 60 in-lb.
21. Carefully engage lower tubes onto the upper tubes. Use care not to damage the XXX seals.
22. Slide lower tube assembly onto the upper tubes until just before the lower bushing engages with the upper tube.

REFILL FLUIDS (FIGS. 11-12)*

23. Pour 10 cc of RockShox 15 wt. oil into each leg.
24. Slide the lower legs all the way onto the upper tubes until they engage with the damper and negative air shafts.
25. Install the damper shaft bolt (right leg) and negative air shaft nut (left side). Torque to 60 in-lb.
26. Repressurize the fork according to your weight and desired ride characteristic.
27. Always inflate the positive air chamber first.



Fig. 6



Fig. 7

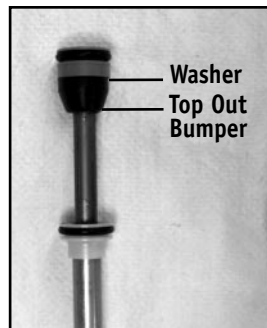


Fig. 8

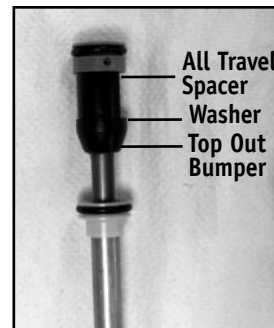


Fig. 9



Fig. 10



Fig. 11



Fig. 12

PURE DAMPING SYSTEM

Your fork uses the Pure Damping System. With the red Climb-It control lever turned completely clockwise, only a minimal amount of fork movement should be felt. While standing astride the bicycle, press down on the handlebars quickly. A maximum of 6 mm fork movement should be obtainable. Remember, your fork has a blow-off feature for big hits. Some riders may be able to activate the blow-off and achieve more than 6 mm of travel.

When checking the lockout, light to medium pressure on the handlebars best simulates real world riding conditions.

To maintain Lockout control and damping quality, the Pure Damping system should be rebuilt once a year. Only a qualified bicycle mechanic with proper tools should do rebuild of the Pure Damping System. For more detailed service information, contact your local RockShox dealer or visit www.rockshox.com.

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 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 the place of purchase. In the USA, Dealers should call for a Return Authorization number (RA#) prior to returning product.

Products returned for inspection must be sent freight prepaid and with proof of purchase to:

RockShox, Inc.
1610 Garden of the Gods
Colorado Spring, CO 80907

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.

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