2015

SID & REVELATION

Service Manual



SRAM LLC WARRANTY

EXTENT OF LIMITED WARRANTY
Except as otherwise set forth herein, SRAM warrants its products to be free from defects in materials or workmanship for a period of two years after original purchase. This warranty only applies to the original owner and is not transferable. Claims under this warranty must be made through the retailer where the bicycle or the SRAM component was purchased. Original proof of purchase is required. **Except as described herein, SRAM makes no other warranties, guaranties, or representations of any type (express or implied), and all warranties (including any implied warranties of reasonable care, merchantibility, or fitness for a particular purpose) are hereby disclaimed.**

LOCAL LAW
This warranty statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state (USA), from province to province (Canada), and from country to country elsewhere in the world.

To the extent that this warranty statement is inconsistent with the local law, this warranty shall be deemed modified to be consistent with such law, under such local law, certain disclaimers and limitations of this warranty statement may apply to the customer. For example, some states in the United States of America, as well as some governments outside of the United States (including provinces in Canada) may:

a. Preclude the disclaimers and limitations of this warranty statement from limiting the statutory rights of the consumer (e.g. United Kingdom).

b. Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations.

For Australian customers:
This SRAM limited warranty is provided in Australia by SRAM LLC, 1333 North Kingsbury, 4th floor, Chicago, Illinois, 60642, USA. To make a warranty claim please contact the retailer from whom you purchased this SRAM product. Alternatively, you may make a claim by contacting SRAM Australia, 6 Marco Court, Rowville 3178, Australia. For valid claims SRAM will, at its option, either repair or replace your SRAM product. Any expenses incurred in making the warranty claim are your responsibility. The benefits given by this warranty are additional to other rights and remedies that you may have under laws relating to our products. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

LIMITATIONS OF LIABILITY
To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event shall SRAM or its third party suppliers be liable for direct, indirect, special, incidental, or consequential damages.

LIMITATIONS OF WARRANTY
This warranty does not apply to products that have been incorrectly installed and/or adjusted according to the respective SRAM user manual. The SRAM user manuals can be found online at sram.com, rockshox.com, avidbike.com, truvativ.com, or zipp.com.

This warranty does not apply to damage to the product caused by a crash, impact, abuse of the product, non-compliance with manufacturers specifications of usage or any other circumstances in which the product has been subjected to forces or loads beyond its design.

This warranty does not apply when the product has been modified, including, but not limited to any attempt to open or repair any electronic and electronic related components, including the motor, controller, battery packs, wiring harnesses, switches, and chargers.

This warranty does not apply when the serial number or production code has been deliberately altered, defaced or removed.

This warranty does not apply to normal wear and tear. Wear and tear parts are subject to damage as a result of normal use, failure to service according to SRAM recommendations and/or riding or installation in conditions or applications other than recommended.

Wear and tear parts are identified as:

- Dust seals
- Bushings
- Air sealing o-rings
- Glide rings
- Rubber moving parts
- Foam rings
- Rear shock mounting hardware and main seals
- Upper tubes (stanchions)
- Stripped threads/bolts (aluminium, titanium, magnesium or steel)
- Brake sleeves
- Brake pads
- Chains
- Sprockets
- Cassettes
- Shifter and brake cables (inner and outer)
- Handlebar grips
- Shifter grips
- Jockey wheels
- Disc brake rotors
- Wheel braking surfaces
- Bottomout pads
- Bearings
- Bearing races
- Pawls
- Transmission gears
- Spokes
- Free hubs
- Aero bar pads
- Corrosion
- Tools
- Motors
- Batteries

Notwithstanding anything else set forth herein, this warranty is limited to one year for all electronic and electronic related components including motors, controllers, battery packs, wiring harnesses, switches, and chargers. The battery pack and charger warranty does not include damage from power surges, use of improper charger, improper maintenance, or such other misuse.

This warranty shall not cover damages caused by the use of parts of different manufacturers.

This warranty shall not cover damages caused by the use of parts that are not compatible, suitable and/or authorised by SRAM for use with SRAM components.

This warranty shall not cover damages resulting from commercial (rental) use.

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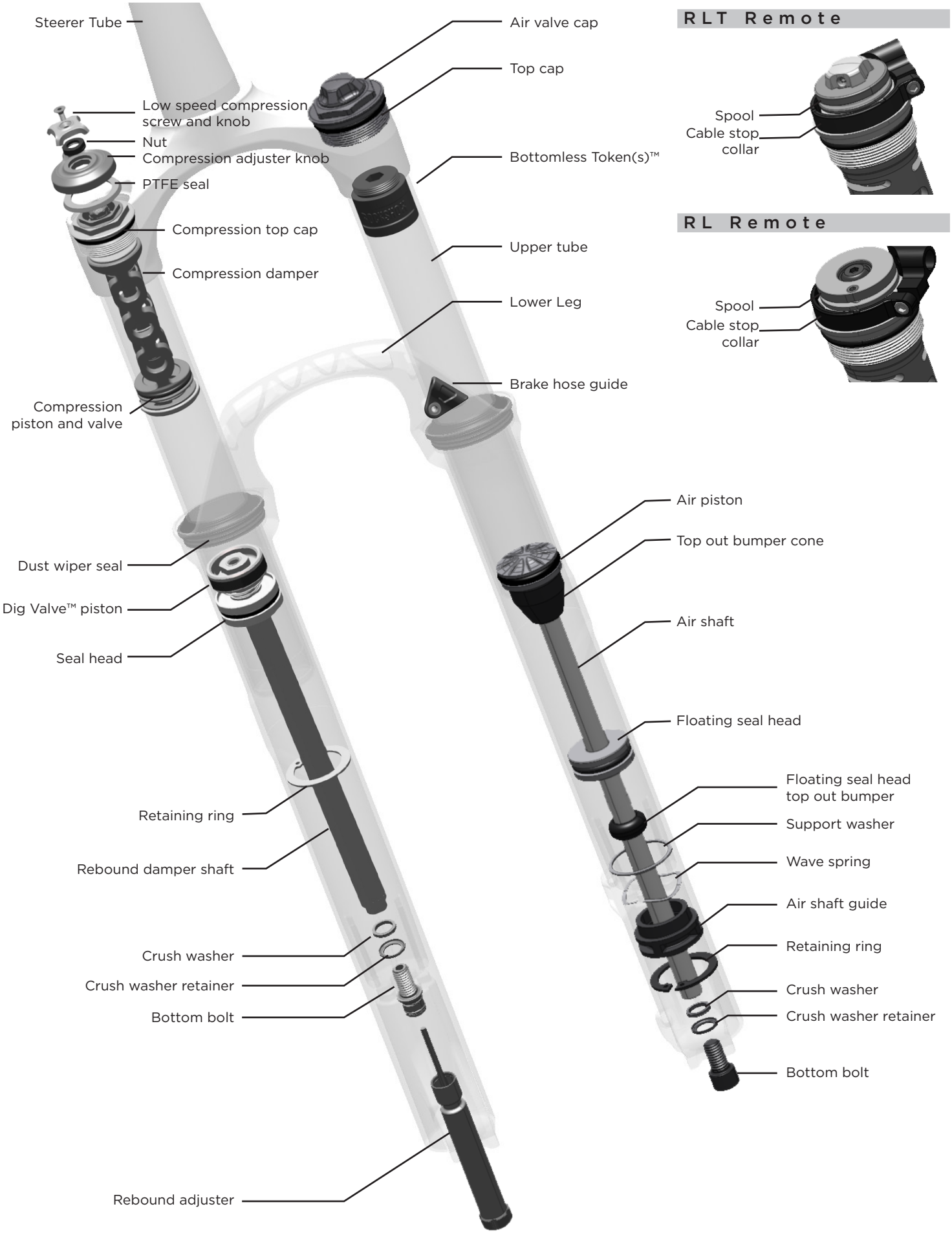
LOWER LEG ASSEMBLY 32



SAFETY FIRST!

We care about YOU. Please, always wear your safety glasses and protective gloves when servicing RockShox® products.
Protect yourself! Wear your safety gear!

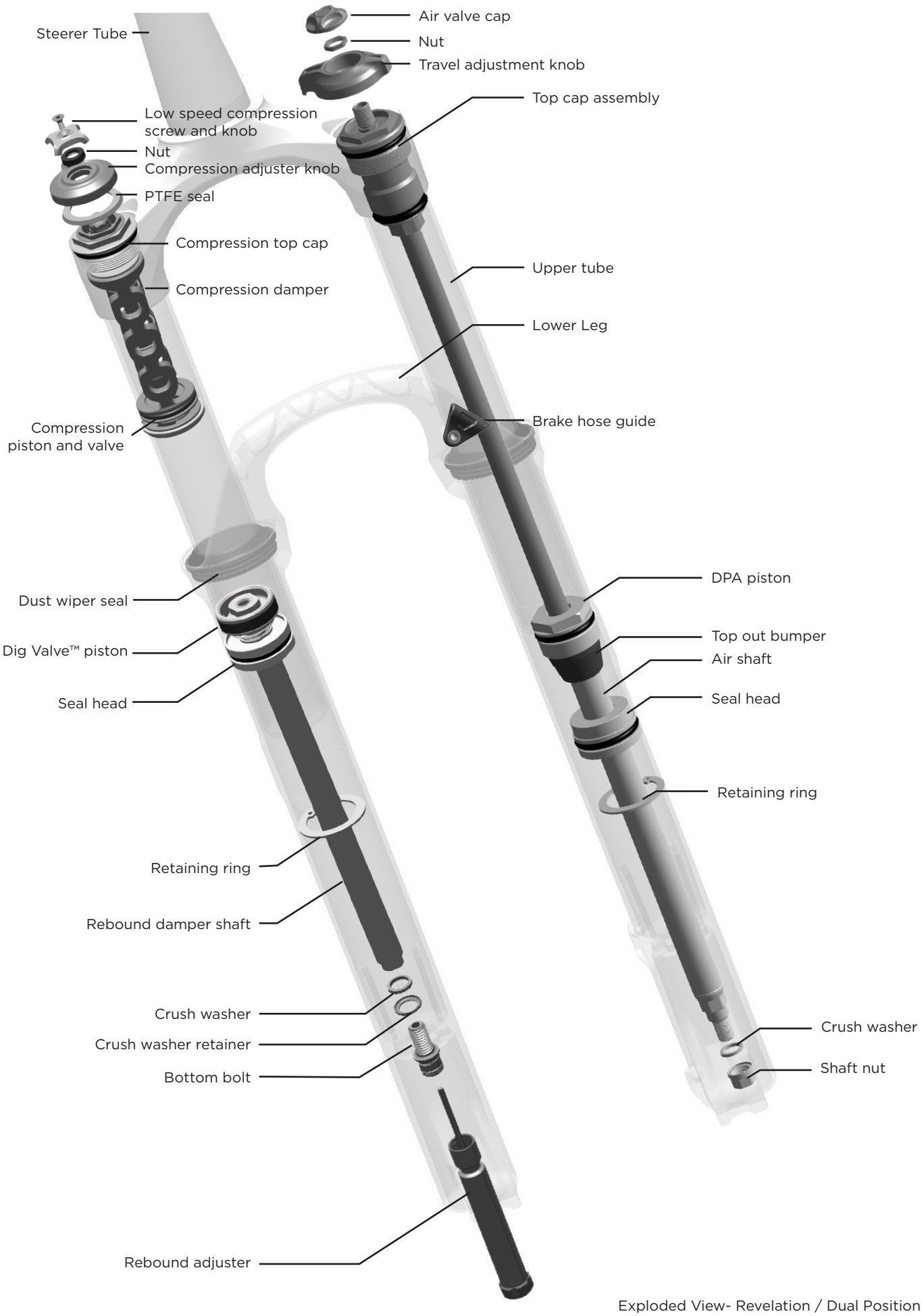
Exploded View- SID & Revelation / Solo Air



RLT Remote

RL Remote

Exploded View- Revelation / Dual Position Air



Record Your Settings

Use the charts below to record your fork settings to return your fork to its pre-service settings.

Service date - helps you keep track of service intervals.	
Air pressure - use a shock pump to determine how much air pressure is in your air spring.	
Rebound setting - count the number of clicks while turning the rebound adjuster fully counter-clockwise.	
Compression setting - count the number of clicks while turning the compression adjuster fully counter-clockwise.	

Service Interval Information

Maintenance	Interval
Clean dirt and debris from upper tubes	Every ride
Check air pressure	Every ride
Inspect upper tubes for scratches	Every ride
Check front suspension fasteners for proper torque	25 hours
Remove lowers, clean/inspect bushings and change oil bath	50 hours
Clean and lubricate air shaft assembly	100 hours
Change oil in damping system	100 hours

Torque Chart

Part	Tool	Torque
Bottom bolts	5 mm hex bit socket	7.3 N•m (65 in-lb)
Shaft Nut (DPA)	10 mm deep socket	5.1 N•m (45 in-lb)
Top caps	24 mm socket	12.4 N•m (110 in-lb)
Cable stop collar	2 mm hex bit socket	1.4 N•m (12 in-lb)
Gate adjuster knob screw	1.5 mm hex bit socket	0.6 N•m (5 in-lb)
Compression adjuster screw	2.5 mm hex bit socket	1.4 N•m (12 in-lb)

Oil Volume

<table>
<tr><th colspan="3">Part</th><th>Oil Weight</th><th>Volume</th><th>Oil Height</th></tr>
<tr><td colspan="3">Drive side lower leg</td><td rowspan="2">RockShox® 15wt</td><td rowspan="2">5 mL</td><td rowspan="2">NA</td></tr>
<tr><td colspan="3">Non-drive side lower leg</td></tr>
<tr><td colspan="3">Drive side upper tube</td><td colspan="2">Grease</td><td>NA</td></tr>
<tr><td rowspan="4">Non-drive side upper tube</td><td rowspan="3">SID</td><td>WC 1 1/8
XXWC 1 1/8
XXWC1 1/8</td><td rowspan="4">RockShox 5wt</td><td>98 mL</td><td rowspan="3">71-77 mm (+/- 2 mm)</td></tr>
<tr><td>WC
XXWC
XX
RCT3
RLT
RL</td><td>106 mL</td></tr>
<tr><td>RLT3
RL3</td><td>111 mL</td><td>64-70 mm (+/-2 mm)</td></tr>
<tr><td colspan="2">Revelation
(all models)</td><td>134 mL</td><td>82-88 mm (+/- 2 mm)</td></tr>
</table>

RockShox® Suspension Service

We recommend that you have your RockShox suspension serviced by a qualified bicycle mechanic. Servicing RockShox suspension requires knowledge of suspension components as well as the special tools and fluids used for service.

For exploded diagram and part number information, please refer to the Spare Parts Catalog available on our website at sram.com/service. For order information, please contact your local SRAM® distributor or dealer.

Information contained in this publication is subject to change at any time without prior notice. For the latest technical information, please visit our website at sram.com/service.

Your product's appearance may differ from the pictures contained in this publication.

Parts and Tools Needed for Service

- Safety glasses
- Nitrile gloves
- Apron
- Clean, lint-free rags
- Oil pan
- Isopropyl alcohol
- RockShox 15wt suspension fluid
- RockShox 5wt suspension fluid
- Liquid O-Ring® PM600 military grease
- SRAM® Butter
- Shock pump
- Seal installation tool
- Downhill tire lever
- Plastic mallet
- Schrader valve core tool
- 1.5, 2, 2.5, 5, and 8 mm hex wrench
- 1.5, 2, 2.5, and 5 mm hex bit socket
- 24 mm socket wrench
- 10 mm deep socket (Dual Position Air)
- Torque wrench
- Large internal snap ring pliers
- Pick
- Long plastic or wooden dowel
- Syringe
- Flat blade screwdriver
- Optional travel change Solo Air™ spring assembly

SAFETY INSTRUCTIONS

Always wear nitrile gloves when working with suspension fluid and bicycle grease.

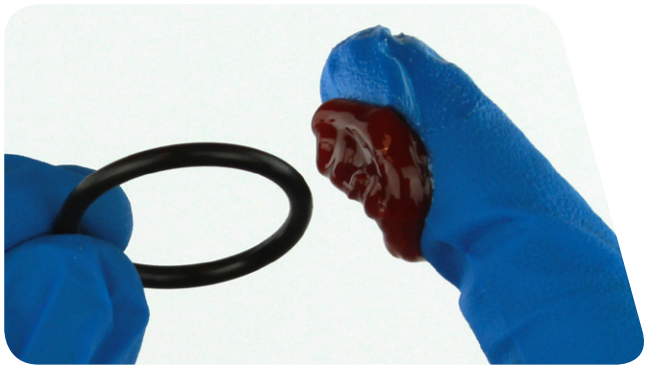
Place an oil pan on the floor underneath the area where you will be working on the fork.

NOTICE

Inspect each part for scratches. Do not scratch any sealing surfaces when servicing your suspension. Scratches can cause leaks.

When replacing seals and o-rings, use your fingers or a pick to remove the seal or o-ring. Spray isopropyl alcohol on each part and clean with a rag. Apply grease to the new seal or o-ring.

Only use SRAM® Butter or LIquid O-Ring PM600 military grease when servicing RockShox Forks.



Lower Leg Removal

1 Remove the air valve cap from the top cap located on the non-drive side fork leg.



2 Use a small hex wrench to depress the Schrader valve and release all air pressure from the air chamber.

⚠ CAUTION- EYE HAZARD

Verify all pressure is removed from the fork before proceeding. Failure to do so can result in injury and/or damage to the fork. Wear safety glasses.

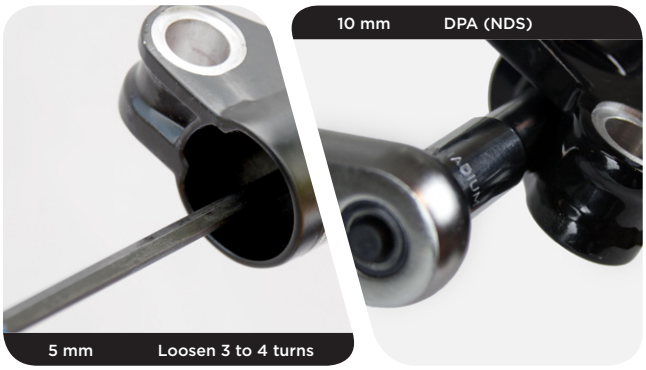


3 Remove the rebound adjuster knob by pulling it from the bottom bolt at the bottom of the drive side fork leg.



4 Use a 5 mm hex wrench to loosen the non-drive side bottom bolt 3 to 4 turns.

Dual Position Air: Use a 10 mm deep socket to loosen the non-drive side shaft nut 3 to 4 turns.



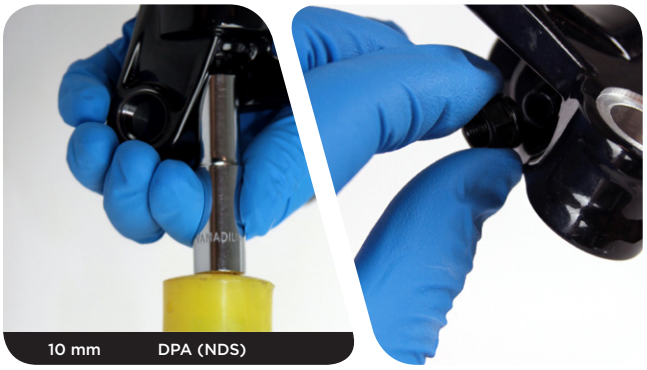
5 Place an oil pan beneath the fork to catch any draining fluid.

Insert a 5 mm hex wrench into the non-drive side bottom bolt. Use a plastic mallet to firmly strike the wrench, and free the non-drive side bottom bolt and dislodge the air shaft from the lower leg.

Use a 5 mm hex wrench to remove the bottom bolt from the lower leg. Repeat steps 4 and 5 on the drive side.



Dual Position Air: Insert a 10 mm deep socket on the non-drive side shaft nut. Use a plastic mallet to firmly strike the socket and free the bolt from the lower leg. Remove the nut. Repeat steps 4 and 5 on the drive side.

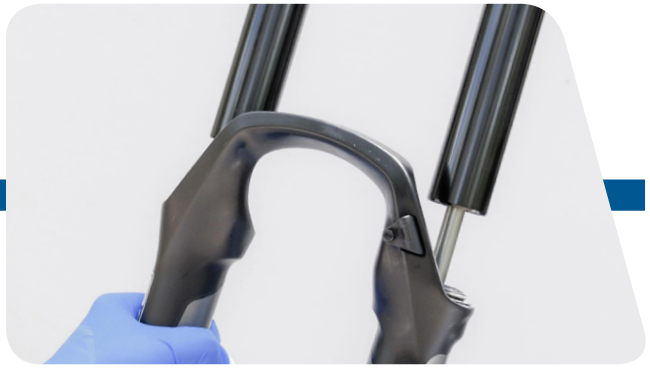


6 Firmly pull the lower leg downward until fluid begins to drain. Continue pulling downward to remove the lower leg from the fork.

If the lower leg does not slide off of the upper tube, then the press-fit of the shaft to the lower leg may still be engaged. Reinstall the bottom bolt 2 to 3 turns and repeat steps 4 and 5.

NOTICE

Do not hit the fork arch with any tool when removing the lower leg as this could damage the lower leg.



7 Spray isopropyl alcohol on the inside and outside of the lower leg and clean it with a rag.

Wrap a rag around a long dowel and insert it into each lower leg to clean the inside.



Lower Leg Seal Service

1 Stabilize the lower leg on a bench top or on the floor. Place the tip of a downhill tire lever under the dust wiper seal. Press down on the downhill tire lever handle to remove the seal.

Repeat on the other side.


Downhill tire lever

NOTICE

Keep the lower leg stable. Do not allow the lower leg to twist in opposite directions, compress toward each other, or be pulled apart. This will damage the lower leg.

2 Use your fingers to remove the foam rings on the top bushing inside the lower leg.



3 Spray isopropyl alcohol on the inside and outside of the lower leg and clean it with a rag.

Wrap a rag around a long dowel and insert it into each lower leg to clean the inside. Verify all debris is removed from the bushings inside the lower leg.





4 Soak the new foam rings in RockShox® 15wt suspension fluid.

Install a new foam ring on each top bushing in the lower leg.


RockShox 15wt suspension fluid



5 Remove the wire spring from the new dust wiper seal and set the spring aside.

Insert the narrow end of the new dust wiper seal into the recessed end of the seal installation tool.



Seal installation tool

6 Hold the lower leg firmly and use the seal installation tool to press the dust wiper seal evenly into the lower leg until the seal surface is flush with the top of the lower leg surface.

Reinstall the wire spring onto the dust wiper seal.

Repeat on the other side.

NOTICE

Only press the dust wiper seal into the lower leg until it is flush with top surface of the lower leg. Pressing the dust wiper seal past the top surface of the lower leg can dislodge the foam ring and cause leaks.



Seal installation tool

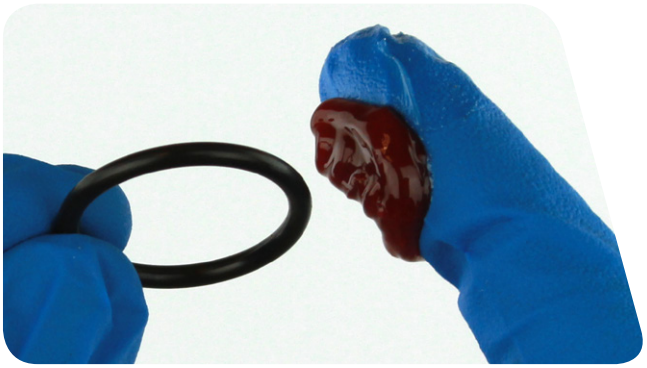
Spring Service

NOTICE

Inspect each part for scratches. Do not scratch any sealing surfaces when servicing your suspension. Scratches can cause leaks.

When replacing seals and o-rings, use your fingers or a pick to remove the seal or o-ring. Spray isopropyl alcohol on each part and clean with a rag. Apply grease to the new seal or o-ring.

Only use SRAM® Butter or LIquid O-Ring PM600 military grease when servicing RockShox Forks.



Optional Solo Air™ Travel Change Adjustment

To change the travel in your suspension fork, use the chart below to determine the air shaft length and recommended number of Bottomless Tokens™ for your wheel size and travel.

For part number information, please refer to the Spare Parts Catalog available on our website at sram.com/service. For ordering information, please contact your local SRAM distributor or dealer.

Desired Travel	Recommended Bottomless Tokens		Required Solo Air Spring Assembly Length		
	SID (4 Max)	Revelation (5 Max)	SID 26″ wheel	SID 27.5″ and 29″ wheel	Revelation Forks
80 mm	4		147.2 mm	182.2 mm	
90 mm	3		157.2 mm	192.2 mm	
100 mm	2	5	167.2 mm	202.2 mm	
110 mm	1	4	177.2 mm	212.2 mm	182.2 mm
120 mm	0	3	187.2 mm	222.2 mm	192.5 mm
130 mm		2			202.2 mm
140 mm		1			212.2 mm
150 mm		0			222.2 mm

1 Use a small hex wrench to depress the Schrader valve and verify all air pressure is removed from the air chamber.

Dual Position Air: Cycle the air shaft a few times to release the remaining trapped air.

⚠ CAUTION- EYE HAZARD

Verify all pressure is removed from the fork before proceeding. Failure to do so can cause the top cap to eject forcefully from the upper tube which can result in injury. Wear safety glasses.



Small hex wrench

2 **Dual Position Air:** Use a 10 mm socket to remove the top cap nut. Remove the travel adjustment knob.



10 mm

3 Use a 24 mm socket to remove the top cap.

Spray isopropyl alcohol on the upper tube threads and clean the threads with a rag.

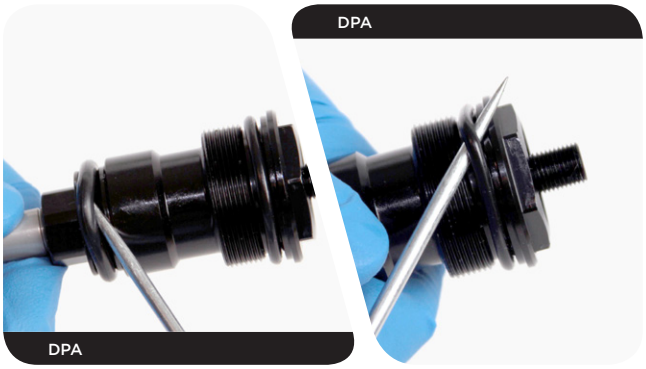


24 mm

4 Use your fingers or a pick to remove the top cap o-ring(s).

Use your fingers to install a new o-ring(s).



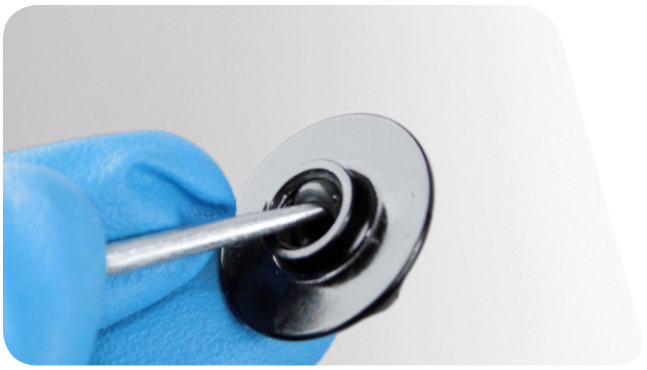


5 **Solo Air:** Use an 8 mm hex wrench to thread your desired number of Bottomless Tokens™ onto the bottom of the top cap to 1.1-2.3 N•m (10-20 in-lb).

Consult the chart in the Optional Travel Change Adjustment section for the recommended number of Bottomless Tokens™.



6 Use a pick to remove and replace the air valve cap o-ring.



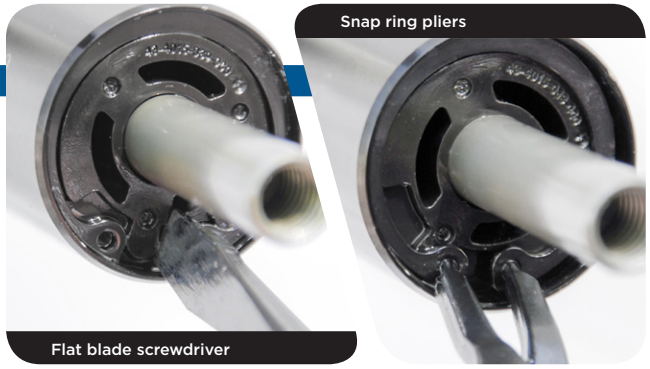
7 Push the air shaft in to prevent it from getting scratched while removing the retaining ring.

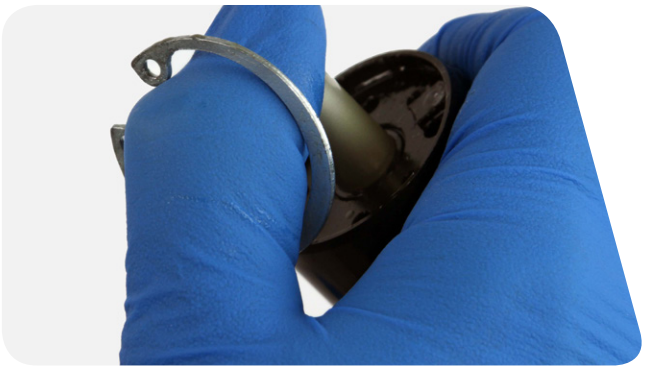
NOTICE

Scratches on the air shaft will allow air to bypass the seal blade into the lower leg, resulting in reduced spring performance.

Use a flat blade screwdriver to push the seal head tab under the retaining ring.

Place the tips of large internal snap ring pliers into the eyelets of the retaining ring. Press firmly on the pliers to push the solo air seal head into the upper tube enough to compress and remove the retaining ring. Slide the retaining ring onto your finger and release the air shaft.





8 Firmly pull on the air shaft to remove the air shaft assembly from the upper tube.

Clean and inspect the assembly for damage.



9 Spray isopropyl alcohol on the inside and outside of the upper tube and clean it with a rag.

Wrap a rag around a long dowel and insert it into the upper tube to clean inside the upper tube.



10 Remove the seal head assembly from the air shaft.

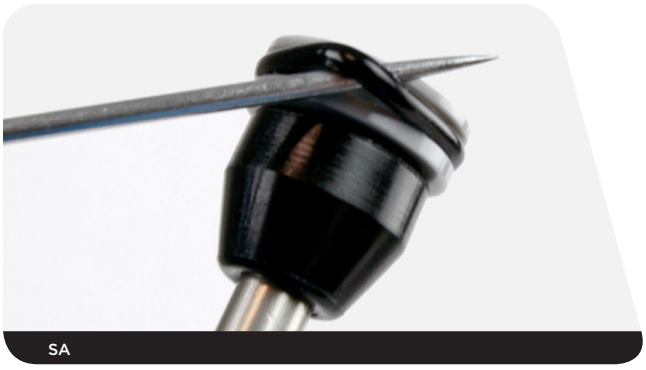
Spray isopropyl alcohol on the air shaft and clean it with a rag.



11 Use your fingers or a pick to remove the outer floating seal head o-ring and inner seal head o-ring. Use your fingers to install the new o-rings.



12 **Solo Air:** Use your fingers or a pick to remove the air piston outer o-ring. Use your fingers to install a new o-ring.



Dual Position Air: Use your fingers or a pick to remove the air piston outer o-ring. Use a pick to pierce and remove the inner o-ring. Use your fingers to install new o-rings.



13 Use your fingers or a pick to remove the top out bumper cone from the air piston.



Air Spring Installation

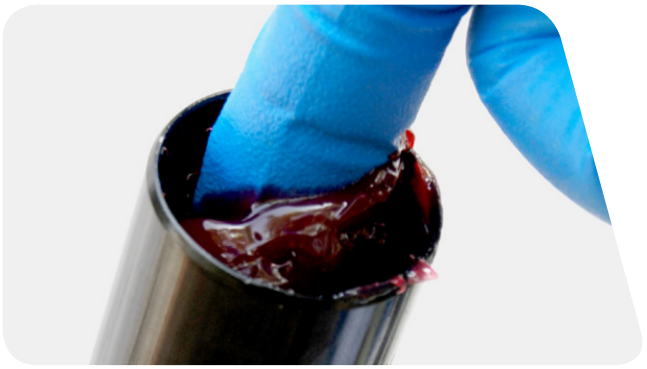
1 Install a new top out bumper cone onto the air shaft with the wide end facing the piston so it covers the tension pin (SA) or valve hole (DPA).

NOTICE

If the tension pin is protruding or not centered, replace the air piston assembly.



2 Apply a liberal amount of grease inside of the upper tube, from the end of the tube to approximately 60 mm into the tube.



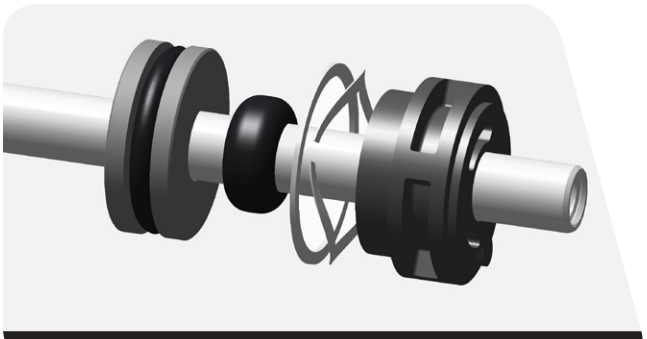
3 Apply a liberal amount of grease to the air piston and top out bumper cone.



4 Apply a liberal amount of grease 40-60 mm wide around the air shaft.

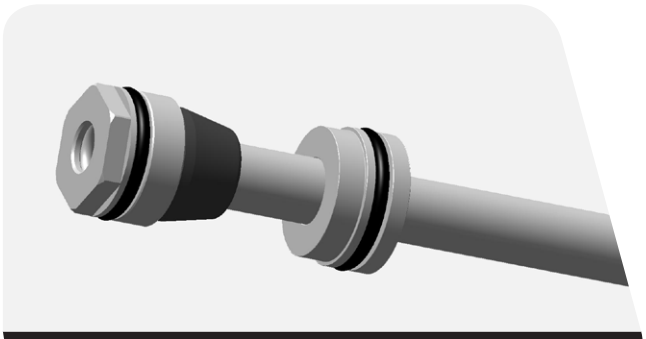


5 **Solo Air:** Install the floating seal head, floating seal head top out bumper, support washer, wave spring, and air shaft guide, in that order, onto the air shaft.



SA Seal head assembly orientation

Dual Position Air: Install the DPA seal head, with the narrow end facing the DPA piston, onto the air shaft.



DPA Seal head orientation

6 Push the air shaft and seal head assembly into the bottom of the upper tube while gently rocking the air shaft side to side.



7 Push the air shaft into the upper tube to prevent it from getting scratched while installing the retaining ring.

NOTICE

Scratches on the air shaft will allow air to bypass the air shaft guide into the lower leg, resulting in reduced spring performance.



Place the tips of large internal snap ring pliers into the eyelets of the retaining ring and install the retaining ring into the groove. The tab of the air shaft guide should be positioned between the retaining ring eyelets.

Check that the retaining ring is properly seated in the retaining ring groove by pushing on the retaining ring to be sure it is seated.

Retaining rings have a sharper-edged side and a rounder-edged side. Installing retaining rings with the sharper-edged side facing the tool will allow for easier installation and removal.

8 Insert the top cap into the top of the upper tube. Use a torque wrench with a 24 mm socket to tighten the top cap to 12.4 N·m (110 in-lb).



9 **Dual Position Air:** Place the DPA adjuster knob and the knob retaining bolt onto the top cap with the long tab near the front of the crown. Turn the DPA adjuster knob counter-clockwise until it engages the first detent space.

Use a torque wrench with a 10 mm socket to tighten the knob retaining nut to 1.7-2.2 N•m (15-20 in-lb).





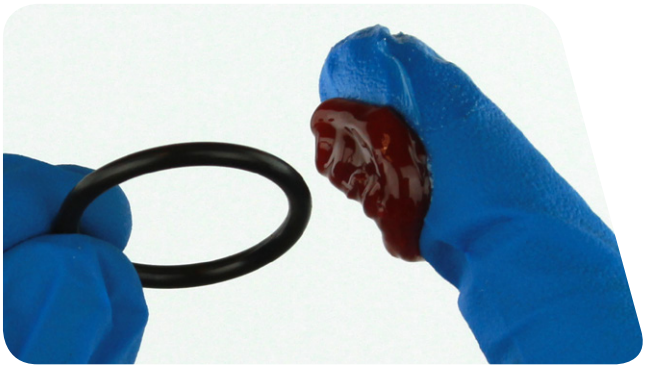
Damper Service

NOTICE

Inspect each part for scratches. Do not scratch any sealing surfaces when servicing your suspension. Scratches can cause leaks.

When replacing seals and o-rings, use your fingers or a pick to remove the seal or o-ring. Spray isopropyl alcohol on each part and clean with a rag. Apply grease to the new seal or o-ring.

Only use SRAM® Butter or LIquid O-Ring PM600 military grease when servicing RockShox Forks.



Compression Damper Removal

1 Rotate the compression adjuster knob to the open position.

RCT3: Use a 1.5 mm hex wrench to remove the low speed compression set screw.

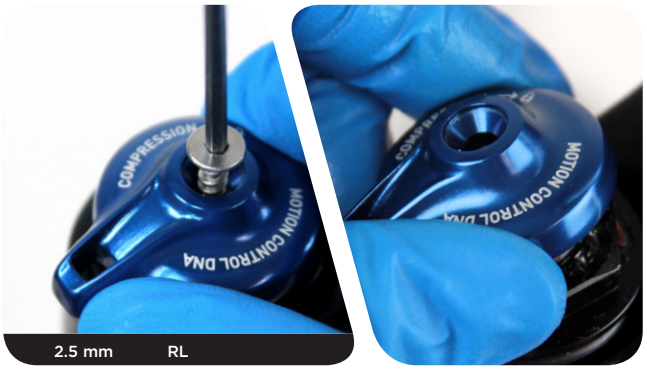
Use a 10 mm open end wrench to remove the nut. Remove the compression adjuster knob.



RLT: Use a 1.5 mm hex wrench to remove the flood gate set screw. Use your fingers to remove the PTFE seal. Remove the flood gate, compression adjuster knob, and the o-ring on the cam.



RL: Use a 2.5 mm hex wrench to remove the compression adjuster knob retention screw. Remove the compression adjuster knob.



XX: Press the XLoc™ remote button in to the compressed (open) position. Use a 24 mm open end wrench to loosen and remove the top cap.



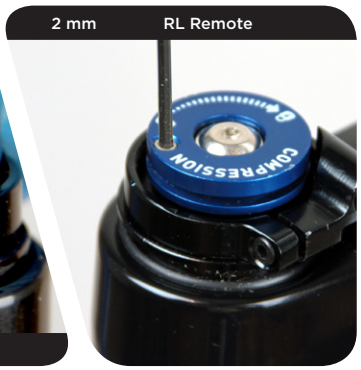
RLT and RL Remote: Press the PushLoc™ remote button in to the compressed (open) position.

Use a 2 mm hex wrench to loosen the cable pinch bolt and remove the cable.

Use a 2 mm hex wrench to loosen the cable stop collar clamping bolt. Remove the cable stop collar.

You do not need to remove the remote cable spool.



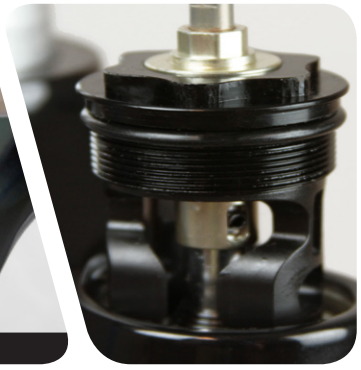




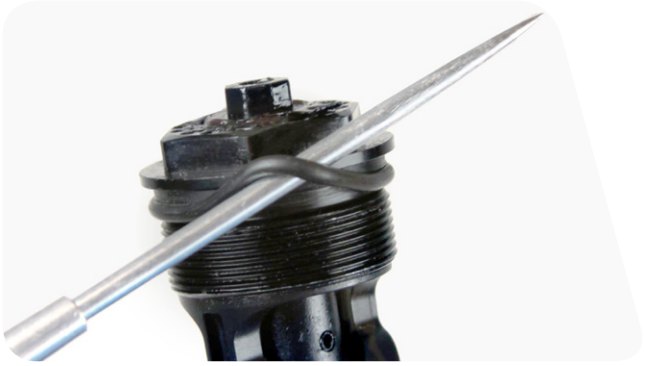
2 Use a 24 mm socket to loosen the compression damper top cap.

Remove the compression damper by pulling up and gently rocking side to side. Clean the upper tube threads with a rag.



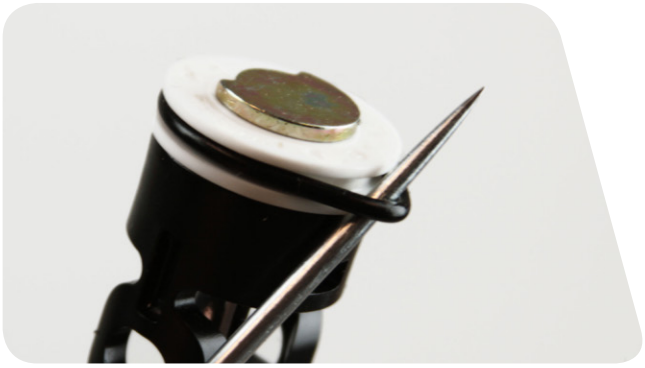


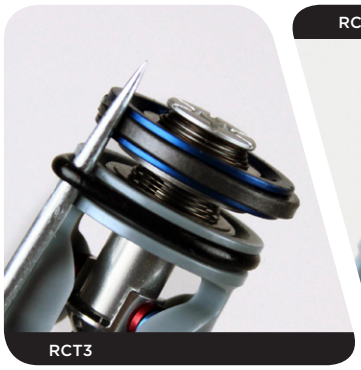
3 Use a pick or your fingers to remove the compression top cap o-ring. Install a new compression top cap o-ring.



4 Use your fingers or a pick to remove the compression damper piston o-ring. Apply **suspension fluid** to the new o-ring and install it.

RCT3: Install a new glide ring on the compression damper piston.







5 Pour the suspension fluid into an oil pan.



Dig Valve™ Rebound Damper Removal

1 Push the rebound damper shaft in until enough shaft is exposed to hold onto with your fingers. Use large internal snap ring pliers to remove the retaining ring from the bottom of the upper tube.



2 Remove the rebound damper and seal head assembly from the upper tube.



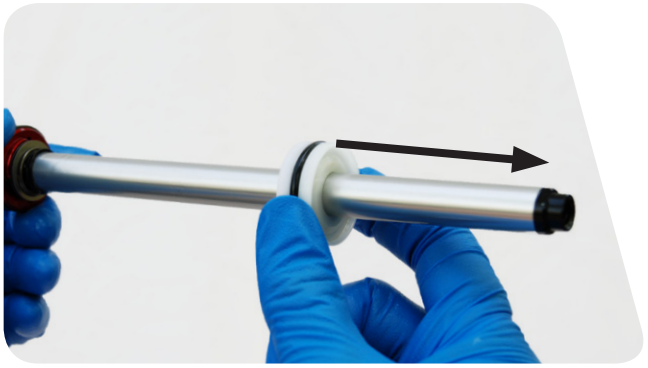
3 Spray isopropyl alcohol on the inside and outside of the upper tube and clean it with a rag.

Wrap a rag around a long dowel and insert it into the upper tube to clean inside the upper tube.



4 Remove the seal head from the rebound damper shaft.

Spray isopropyl alcohol on the rebound damper shaft and clean it with a rag.



5 Use your fingers or a pick to remove the outer seal head o-ring. Use a pick to pierce and remove the inner o-ring.

Apply **suspension fluid** to the new o-rings and install them on the seal head.



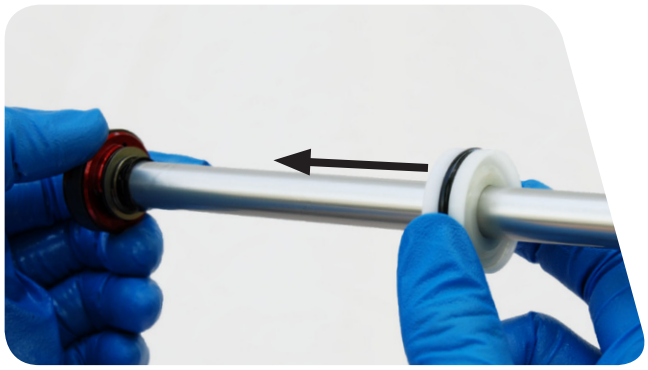
6 Use your fingers to remove the glide ring from the Dig Valve™ piston.

Use your fingers to install a new glide ring.



Dig Valve™ Rebound Damper Installation

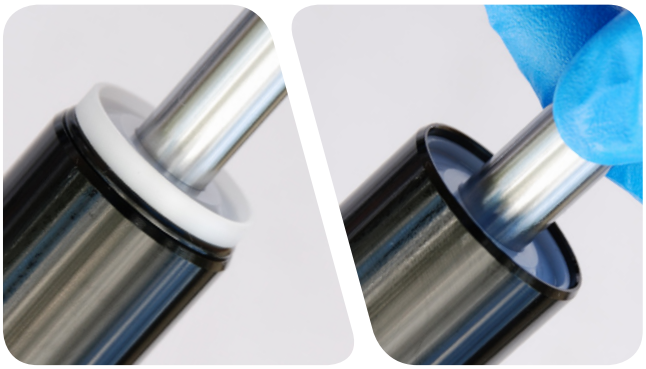
1 Install the seal head on the rebound damper shaft.



2 Insert the Dig Valve piston into the bottom of the upper tube at an angle with the *side opposite the glide ring split entering first*. Continue to angle and rotate the piston until the glide ring is in the upper tube.



3 Use your finger to push the seal head into the upper tube until the retaining ring groove is visible.



4 Push the rebound damper shaft into the upper tube to prevent it from getting scratched while installing the retaining ring.

NOTICE

Scratches on the rebound damper shaft will allow oil to bypass the seal head into the lower leg, resulting in reduced performance.



Place the tips of large internal snap ring pliers into the eyelets of the retaining ring and install the retaining ring into the groove.

Check that the retaining ring is properly seated in the retaining ring groove by pushing on the retaining ring to be sure it is seated.

Retaining rings have a sharper-edged side and a rounder-edged side. Installing retaining rings with the sharper-edged side facing the tool will allow for easier installation and removal.

5 Pull the rebound damper shaft down to the fully extended position.



6 Use the chart to determine the amount of RockShox® 5wt suspension fluid to pour in the drive side upper tube.

Fork	Model	Oil Volume	Oil Height +/- 2 mm
SID	WC 1 1/8 XXWC 1 1/8	98 mL	71-77 mm
	WC XXWC XX RCT3 RLT RL	106 mL	
	RLT3 RL3	111 mL	64-70 mm
Revelation	All models	134 mL	82-88 mm

Oil height measurements are taken from the top of the crown surface above the upper tube to the oil.

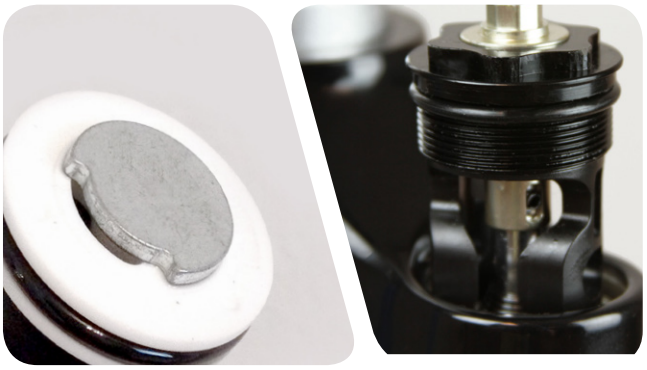
Suspension fluid volume is critical. Too much suspension fluid reduces available travel, too little suspension fluid decreases damping performance.



RockShox 5wt suspension fluid

Compression Damper Installation

1 **RLT and RL:** Turn the compression valve at the bottom of the compression piston until the valve is in the open position. Insert the compression damper into the upper tube. Press down and rock side to side until the damper is installed.



RLT and RL Remote: Use an 8 mm open end wrench to rotate the compression top cap cam clockwise, to the open position, while you insert the compression damper into the upper tube. Press down and rock side to side until the damper is installed.



8 mm RL and RLT Remote

2 Use a torque wrench with a 24 mm socket to tighten the compression top cap to 12.4 N•m (110 in-lb).



24 mm 12.4 N•m (110 in-lb)

XX: Use a torque wrench with a 24 mm crowfoot to tighten the compression top cap to 12.4 N•m (110 in-lb).

Install the crowfoot onto the torque wrench at a 90° angle to the handle to ensure an accurate torque reading.

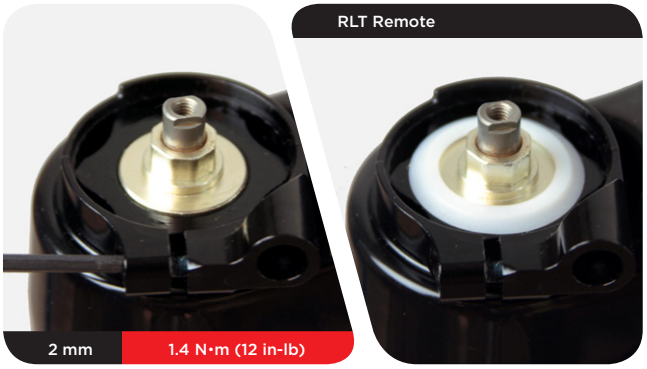


24 mm 12.4 N•m (110 in-lb) XX

3 **RLT and RL Remote:** Install the cable stop collar on the compression top cap so the cable stop faces the front of the fork, perpendicular to the crown.

Use a 2 mm hex bit socket to tighten the collar clamp bolt to 1.4 N•m (12 in-lb).

RLT Remote: Install a new PTFE seal around the cam.



4 **RCT3:** Install the compression adjuster knob on the compression damper top cap. Use a 10 mm open end wrench to tighten the washer bolt.

Use a torque wrench with a 1.5 mm hex bit socket to tighten the low speed compression set screw to 0.6 N•m (5 in-lb).



RLT: Install a new o-ring on the cam.

RLT and RLT Remote: Install the compression adjuster knob on the compression damper top cap so the knob dial is against the hard stop. Use your fingers to install a new PTFE seal in the groove on top of the compression adjuster knob.

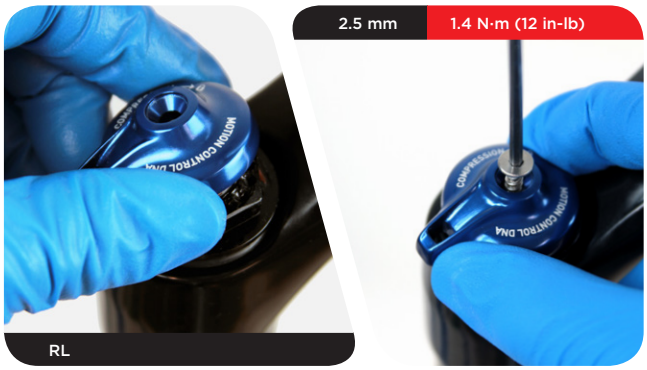
Use a 1.5 mm hex bit to tighten the flood gate adjuster knob set screw to 0.6 N•m (5 in-lb).





RL: Install the compression adjuster knob on the compression damper top cap.

Use a 2.5 mm hex bit socket to tighten the compression adjuster knob retention screw to 1.4 N•m (12 in-lb).



5 **RLT and RL Remote:** Install the ferrule end of the housing into the collar port. Wrap the cable around the spool and thread it through the cable fixing port. While firmly pulling the cable, use a 2 mm hex wrench to tighten the cable pinch bolt to 0.9 N•m (8 in-lb).

Cut the excess cable, leaving 30 mm protruding from the cable fixing port. Install a cable end fitting and tuck the cable end into the slot in the spool.





Lower Leg Assembly

1 Spray isopropyl alcohol on the upper tubes and clean them with a rag.



2 Apply a liberal amount of SRAM® Butter to the inner surfaces of the dust wiper seals.

Dust wipers may already be greased from the factory. Do not apply extra grease to seals that already have grease on them.



3 Slide the lower leg onto the upper tube enough to engage the upper bushing with the upper tube.

NOTICE

Make sure both dust wiper seals slide onto the tubes without folding the outer lip of either seal.



4 Position the fork at a slight angle with the lower leg bolt holes oriented upward. Angle a syringe fitting in each lower leg bolt hole so the fluid will only contact the inside of the lower leg.

Inject 5 mL of RockShox® 15wt suspension fluid into the drive side lower leg, and 5 mL of RockShox 15wt suspension fluid into the non-drive side lower leg.

NOTICE

Do not exceed the recommended fluid volume per leg as this can damage the fork.





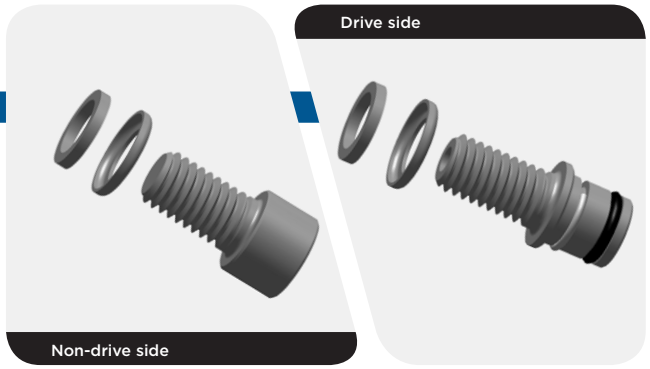
5 Slide the lower leg assembly along the upper tubes until it stops and the air shaft and damper shaft are visible through the lower leg bolt holes.



6 Install a new crush washer retainer and crush washer on the non-drive side and drive side bottom bolts. Apply grease to the drive side bottom bolt o-ring.

NOTICE

Dirty or damaged crush washers can cause leaks.



7 Thread the black bottom bolt into the non-drive side shaft of the lower leg. Thread the red bottom bolt into the drive side shaft of the lower leg.

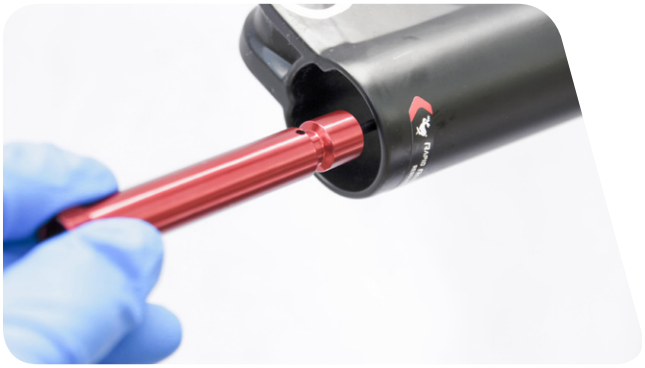
Use a torque wrench with a 5 mm hex bit socket to tighten the bolts to 7.3 N·m (65 in-lb).

Dual Position Air: Install a crush washer on the non-drive side shaft. Use a torque wrench with a 10 mm deep socket to tighten the non-drive side shaft nut to 5.1 N•m (45 in-lb).





8 Install the rebound damper knob into the drive side rebound damper bottom bolt until it is secure. Refer to your pre-service recorded rebound setting to adjust the rebound.



9 Refer to your pre-service recorded settings to pressurize your air spring, or use the air chart on the fork's lower leg and pressurize the air spring to the appropriate pressure for your rider weight.

You may see a drop in the indicated air pressure on the pump gauge while filling the air spring; this is normal. Continue to fill the air spring to the recommended air pressure.



10 Thread the air valve cap onto the top cap of the non-drive side fork leg until it stops.



11 Spray isopropyl alcohol on the entire fork and clean it with a rag.

This concludes the service of your RockShox SID & Revelation suspension fork.

For remote service or bleed, please visit sram.com/service.



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