ROCKSHOX

DOMAIN

2022-2023 Domain



SERVICE MANUAL

GEN.0000000007205 Rev B © 2024 SRAM, LLC



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!

⚠WARNING - PRESSURIZED DEVICE

Suspension products may contain pressurized air, nitrogen, springs, and oil.

Always wear certified safety glasses (ANSI Z87.1, EN166 EU) when performing any service on a suspension product (suspension fork, rear shock, seatpost). Failure to wear proper safety glasses can result in SERIOUS INJURY OR DEATH.

RockShox 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 use of specialized tools and lubricants/fluids. Failure to follow the procedures outlined in this service manual may cause damage to your component and void the warranty.

Visit www.sram.com/service for the latest *RockShox Spare Parts Catalog* and technical information. 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.

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

For recycling and environmental compliance information, please visit: www.sram.com/en/company/about/environmental-policy-and-recycling.

Suspension Safety Precautions and Warnings

SAFETY INSTRUCTIONS

To avoid serious injury or death, you MUST understand and follow the safety information in this document.

⚠WARNING - PRESSURIZED DEVICE

Suspension products may contain pressurized air, nitrogen, springs, and oil.

Always wear certified safety glasses (ANSI Z87.1, EN166 EU) when performing any service on a suspension product (suspension fork, rear shock, seatpost).

DO NOT attempt to disassemble a suspension product before the product is fully depressurized. Follow depressurization procedures and remove the air valve as instructed, before attempting disassembly of a suspension product.

When performing service on a suspension product, keep your eyes, face, and body away from any part or lubricant that can suddenly eject under high pressure. DO NOT direct any pressurized suspension part at a person.

DO NOT attempt to puncture, crush, or incinerate any assembled suspension product.

Failure to follow these preventative measures can result in SERIOUS INJURY OR DEATH.

⚠WARNING - CRASH HAZARD

Parts must be tightened to the specified torque.

To avoid separation of parts, threadlocker must be applied as instructed. Failure to apply threadlocker could result in separation of the parts.

Retaining rings must be fully seated in the retaining ring groove. Confirm the retaining ring is fully seated in the retaining ring groove after installation.

Do not use vinegar of any type to clean any part of a RockShox suspension product. Vinegar can cause permanent damage to parts which can, over time, result in product structural failure.

Failure to follow these preventative measures can result in SERIOUS INJURY OR DEATH.

⚠WARNING

Do not ingest oil, fluid, grease, lubricant, or cleaner. Ingestion could lead to SERIOUS INJURY OR DEATH. Seek immediate medical attention if any oil, fluid, grease, lubricant, or cleaner is ingested.

⚠CAUTION

Suspension products may contain lubricants which can lead to skin irritation. Always wear nitrile gloves when servicing suspension products. Failure to properly protect your skin can result in irritation. Seek medical attention if your skin is adversely affected by any suspension oil, fluid, grease, lubricant, and/or cleaner.

Always wear safety glasses. Do not allow oil, fluid, grease, lubricant, or cleaner to contact your eyes or face. Seek immediate medical attention if irritation occurs.

Use care when working with sharp tools and parts. Never use sharp tools coated with oil and/or grease. Clean and remove all oil and/or grease from your hands and gloves, and tools before working with any sharp tool or part. Failure to do so can result in personal injury.

Place an oil pan on the floor underneath the product during service to catch any drained or spilled fluids. To avoid a slip and fall, and possible injury or harm, immediately clean any oil, fluid, grease, or lubricant from the floor in your work area.

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Part Preparation and Service Procedures

Part Preparation

Remove the component from the bicycle before service.

Disconnect and remove the remote cable or hydraulic hose from the fork or rear shock, if applicable. For additional information about RockShox remotes, user manuals are available at www.sram.com.

Clean the exterior of the product with mild soap and water to avoid contamination of internal sealing part surfaces.

Service Procedures

The following procedures should be performed throughout service, unless otherwise specified.

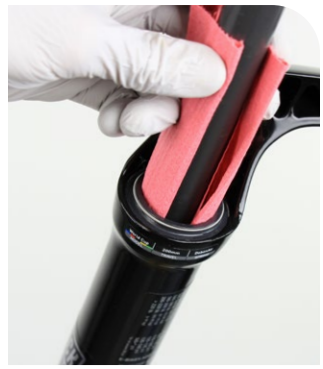
Clean the part with RockShox Suspension Cleaner or isopropyl alcohol and a clean, lint-free shop towel. For hard to reach places (e.g. upper tube, lower leg), wrap a clean, lint-free shop towel around a non-metallic dowel to clean the inside.

Clean the sealing surface on the part and inspect it for scratches.

⚠WARNING - CRASH HAZARD

DO NOT use vinegar of any type to clean any part of a RockShox suspension product. Vinegar can cause permanent damage to parts which can, over time, result in product structural failure, serious injury, and possibly death.





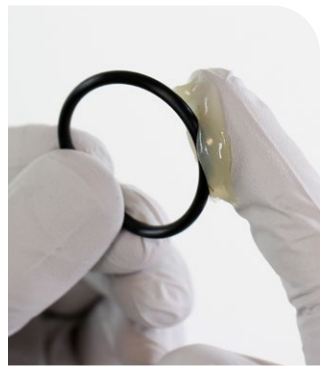
Replace the o-ring or seal with a new one from the service kit. Use your fingers or a pick to pierce and remove the old seal or o-ring.

Apply grease to the new seal or o-ring.

NOTICE

Do not scratch any sealing surfaces when servicing the product. Scratches can cause leaks. Consult the spare parts catalog to replace the damaged part.



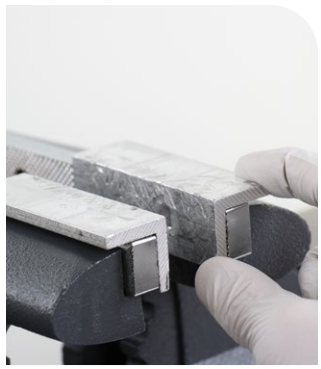


Use aluminum soft jaws when placing a part in a bench vise.

Tighten the part with a torque wrench to the torque value listed in the red bar. When using a crowfoot socket and torque wrench, install the crowfoot socket at 90 degrees to the torque wrench.

⚠WARNING - CRASH HAZARD

Parts must be tightened to the specified torque. Failure to do so can result in SERIOUS INJURY OR DEATH.





Specified torque value in N·m (in-lb)

Model Code Identification

Product model code and specification details can be identified with the serial number on the product. Model codes can be used to identify the product type, series name, model name, and product version associated with the production model year. Product details can be used to identify spare parts, service kit, and lubricant compatibility.

Model Code example: **FS-DOMN-RC-B1**

FS = Product Type - **Front Suspension**
DOMN = Platform/Series - **Domain**
RC = Model - **RC**
B1 = Version - (**B** - second generation, **1** - first iteration)

To identify the model code, locate the serial number on the product and enter it into the **Search by Model Name or Serial Number** field at www.sram.com/service.

Warranty and Trademark

For SRAM Warranty information, visit: www.sram.com/warranty.

For SRAM Trademark information, visit: www.sram.com/website-terms-of-use.

Parts, Tools, and Supplies

Parts

- RockShox 2022-2023 Domain 200 Hour Service Kit

Safety and Protection Supplies

- Apron
- Clean, lint-free shop towels
- Nitrile gloves
- Oil pan
- Safety glasses

Lubricants and Fluids

- Loctite 2760 High Strength Threadlocker Red
- Maxima PLUSH 3wt Suspension Oil
- Maxima PLUSH Dynamic Suspension Lube Heavy or RockShox 0w-30 Suspension Oil
- Maxima PLUSH Dynamic Suspension Lube Light or RockShox 0w-30 Suspension Oil
- RockShox Dynamic Seal Grease or SRAM Butter Grease
- RockShox Suspension Cleaner or isopropyl alcohol

RockShox Tools

- RockShox Bleed Syringe
- RockShox Dust Seal Installation Tool (38 mm) or RockShox x Abbey Bike Tools 38 mm Flangeless Dust Seal Installation Tool
- RockShox shock pump
- RockShox Top Cap/Cassette tool (3/8" / 24 mm) or RockShox x Abbey Bike Tools Top Cap/Cassette Tool

Bicycle Tools

- Bicycle work stand
- Downhill tire lever
- Shock pump

Common Tools

- Bench vise with aluminum soft jaw inserts
- Crowfoot socket: 12 mm
- Flat blade screwdriver
- Hex bit sockets: 2, 2.5, 5 mm
- Hex wrenches: 2, 2.5, 5 mm
- Internal retaining ring pliers (large)
- Long plastic or wooden dowel
- Needle nose pliers
- Pick (non-metallic)
- Plastic mallet
- Sockets: 12, 18 mm
- Socket wrench
- Torque wrench
- Wrench (open or closed end): 12 mm
- Schrader valve tool

Recommended Service Intervals

Regular service is required to keep your RockShox product working at peak performance. Follow this maintenance schedule and install the service parts included in each service kit that corresponds with the Service Hours Interval recommendation below. For spare part kit contents and details, refer to the RockShox Spare Parts Catalog at www.sram.com/service.

Service Hours Interval	Maintenance	Benefit
Every ride	Clean dirt from upper tubes and wiper seals	Extends wiper seal lifespan
		Minimizes damage to upper tubes
		Minimizes lower leg contamination
Every 50 hours	Perform lower leg service	Restores small bump sensitivity
		Reduces friction
		Extends bushing lifespan
Every 200 hours	Perform damper and spring service	Extends suspension lifespan
		Restores small bump sensitivity
		Restores damping performance

Record Your Settings

Use the table below to record your suspension settings to return your suspension to its pre-service settings. Record your service dates to track service intervals.

Service Hours Interval	Date of Service	Air Pressure	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.
50				
100				
150				
200				
400				

Torque Values

Part	Tool	Torque
Air spring shaft nut	8 mm hex and 12 mm socket	3.3 N•m (29 in-lb)
Bottom bolt	5 mm hex bit socket	6.8 N•m (60 in-lb)
Bottomless Tokens	8 mm hex and 24 mm socket	4 N•m (35 in-lb)
Retaining screw - compression knob and remote spool	2.5 mm hex bit socket	1.4 N•m (12 in-lb)
Set screw - remote cable stop collar	2 mm hex bit socket	Finger Tight or 0.1-0.3 N•m (0.8-2.6 in-lb)
Top Cap - R rebound top cap, air top cap	RockShox Top Cap/Cassette Tool (or standard cassette tool)	28 N•m (250 in-lb)
Top Cap - RC compression damper only		
Top Cap - RC R compression damper only	24 mm socket	

Oil Volume and Lubricant

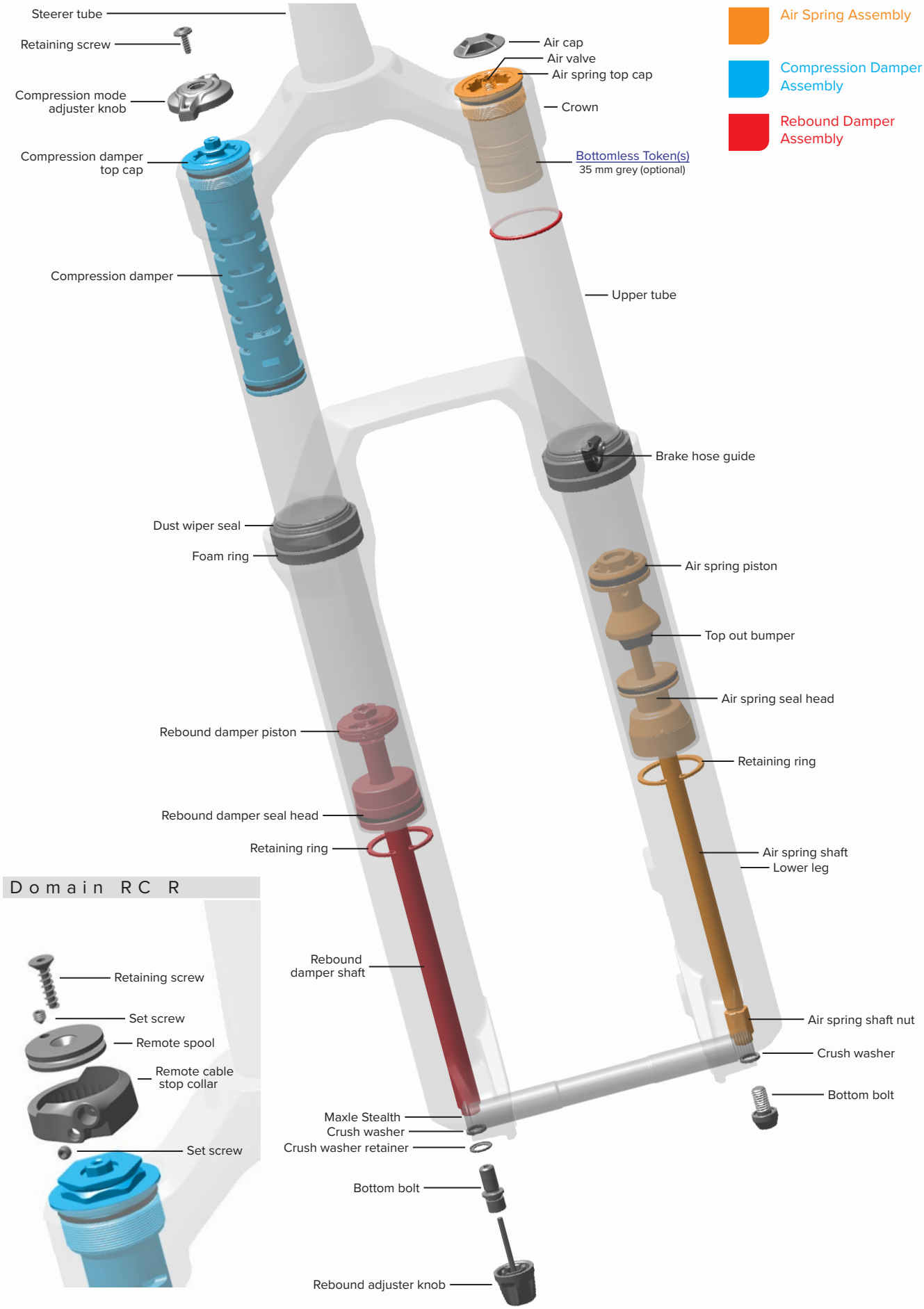
			Damper						Spring							
				Upper Tube			Lower Leg			Upper Tube				Lower Leg		
Model Year	Fork	Model	Damper	Oil Weight	Oil Height* (mm)	Volume (mL)	Oil**	Volume (mL)	Spring	Oil**	Volume (mL) (+)	Volume (mL) (–)	Grease	Oil**	Volume (mL)
2022-2023	Domain	RC	Motion Control	Maxima PLUSH 3wt	95-100	235	Maxima PLUSH Dynamic Suspension Lube Light	10	DebonAir	Maxima PLUSH Dynamic Suspension Lube Heavy	3	1	SRAM Butter Grease Grease Air Piston	Maxima PLUSH Dynamic Suspension Lube Light	10
		R	Rebound												

*Oil Height - Measure from the top of the crown (above the upper tube) down to the oil.
**Suspension oil/fluid - Maxima PLUSH Dynamic Suspension Lube and RockShox 0w-30 suspension oils/fluids are forward and backward compatible with RockShox Dynamic Seal Grease and SRAM Butter Grease.

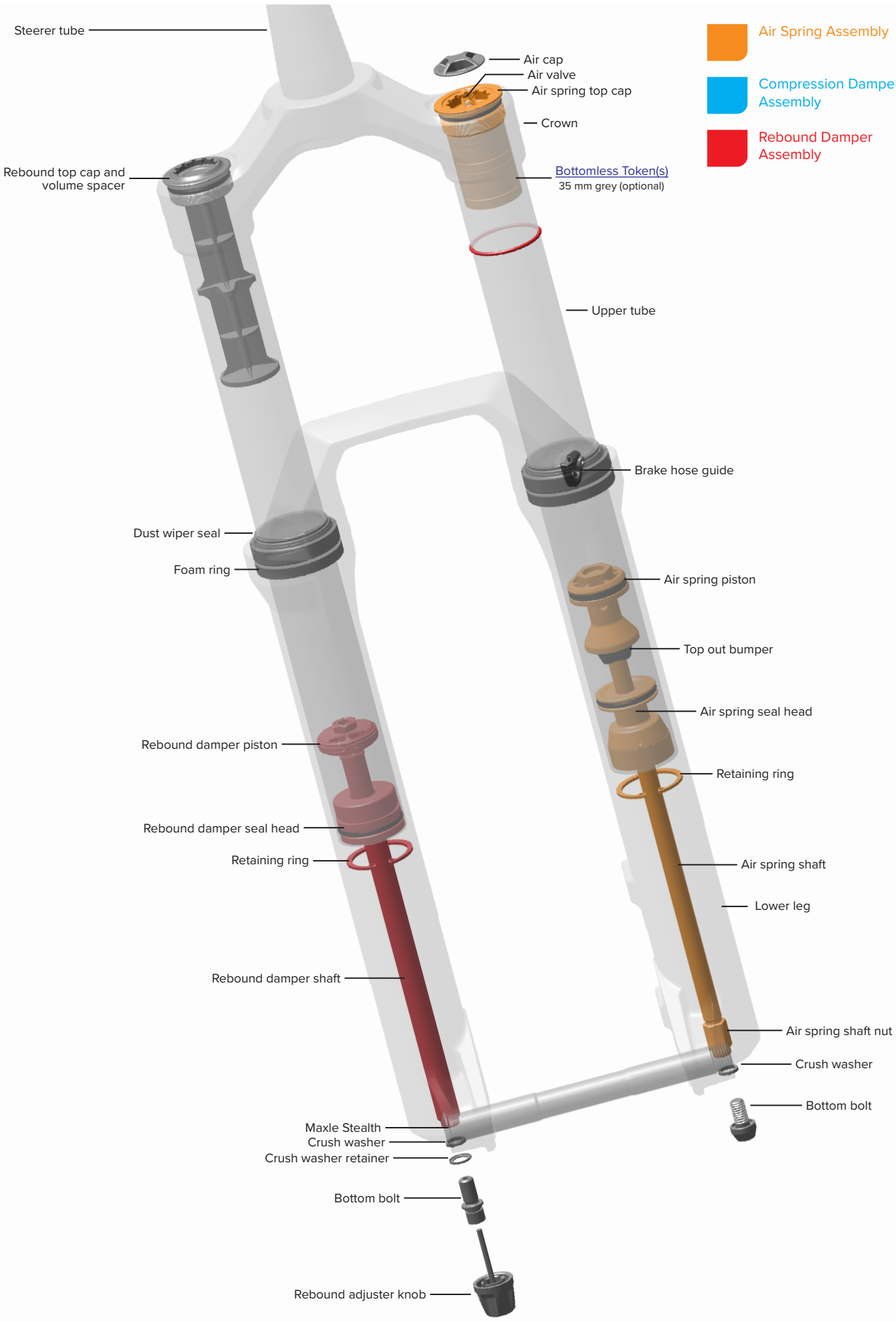
Use ONLY RockShox, SRAM, and Maxima suspension oils/fluids and grease, unless otherwise specified. Use of any other lubricants can damage seals and decrease performance.

Exploded View

2022-2023 (B1) Domain RC



Domain RC R


Air Spring Assembly
Compression Damper Assembly
Rebound Damper Assembly
Steerer tube
Air cap
Air valve
Air spring top cap
Crown
Rebound top cap and volume spacer
Bottomless Token(s)
35 mm grey (optional)
Upper tube
Brake hose guide
Dust wiper seal
Foam ring
Air spring piston
Top out bumper
Air spring seal head
Rebound damper piston
Retaining ring
Rebound damper seal head
Retaining ring
Air spring shaft
Lower leg
Rebound damper shaft
Air spring shaft nut
Crush washer
Bottom bolt
Maxle Stealth
Crush washer
Crush washer retainer
Bottom bolt
Rebound adjuster knob

50/200 Hour Service Lower Leg Removal

1 Clamp the fork in a bicycle work stand vertically with the steerer tube oriented upward.



⚠WARNING - PRESSURIZED DEVICE

To avoid possible SERIOUS INJURY OR DEATH, position the fork vertically with the steerer tube upward so the top cap is directed upward and away from you and others.

2 Remove the air valve cap.



3

⚠WARNING - PRESSURIZED DEVICE

Always wear certified safety glasses (ANSI Z87.1, EN166 EU).

Verify all air pressure is removed from the suspension component. Failure to do so can result in SERIOUS INJURY OR DEATH. Refer to the Suspension Safety Precautions and Warnings section for detailed Pressurized Device warnings and instructions.

Perform the following air transfer and purge process to depressurize the positive and negative air spring chambers.

While holding the lower leg arch and pushing the lower leg down, depress the Schrader valve and slowly release air pressure. While depressing the Schrader valve, slowly allow the lower leg to compress while applying opposing pressure until you feel a sudden decrease in compressing resistance, then hold the lower leg in place to allow both air chambers to depressurize. As air transfers from the negative to the positive air chamber, air transfer should be heard.

While depressing the Schrader valve, push the lower leg down to extend the fork until there is no resistance and the fork can be fully extended. The negative air spring chamber is fully depressurized when the fork can fully be extended and no resistance is felt.

Repeat the process two to three times.



Pick or small hex wrench



Pick or small hex wrench



Pick or small hex wrench



Pick or small hex wrench

4 Remove the Schrader valve core from the top cap and set it aside.

⚠WARNING - PRESSURIZED DEVICE

Always wear certified safety glasses (ANSI Z87.1, EN166 EU).

Verify all air pressure is removed from the suspension component. Failure to do so can result in SERIOUS INJURY OR DEATH. Refer to the Suspension Safety Precautions and Warnings section for detailed Pressurized Device warnings and instructions.



RockShox Schrader Valve Tool

5 Compress and extend the fork to confirm the negative air chamber has been depressurized.



DebonAir+



DebonAir+

6 Turn the rebound adjuster knob counter-clockwise until it stops. This is the full open/fast rebound setting.

Insert a small flat blade screwdriver into the slot, lightly twist outward, and remove the rebound adjuster knob.





Flat blade screwdriver

7 Place an oil pan beneath the fork to catch the draining oil.

Loosen both bottom bolts 3 to 4 turns.

⚠CAUTION

Place an oil pan on the floor underneath the product during service to catch any drained or spilled fluids. To avoid a slip and fall, and possible injury or harm, immediately clean any oil, fluid, grease, or lubricant from the floor in your work area.



Spring side 5 mm



Damper side 5 mm

8 Strike each bolt head to dislodge the shafts from the lower leg. The bolt head should contact the bottom of the lower leg.

Remove each bottom bolt. Clean each bolt and set them aside.

NOTICE

Do not strike the fork lower leg with mallet as this could damage the lower leg.



Mallet Spring side



Spring side



Mallet Damper side



Damper side

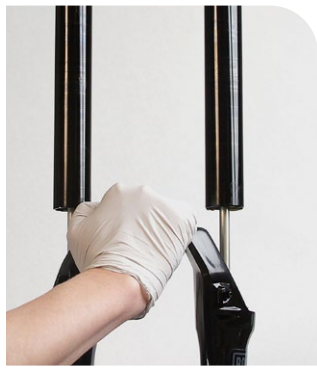
9 Firmly pull the lower leg downward until fluid begins to drain. Continue pulling downward to remove the lower leg.

If the lower leg does not slide off of the upper tube or if oil does not drain from either side, the press fit of the shaft(s) into the lower leg may still be engaged. Reinstall the bottom bolts 2 to 3 turns and repeat the previous step.

NOTICE

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





50 Hour Service Continue the 50 Hour Service with Lower Leg Service.

200 Hour Service Continue the 200 Hour Service with Lower Leg Seal Service.

1 Remove the foam rings.

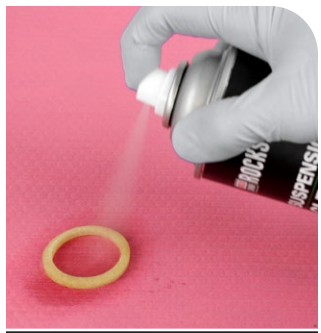


Pick



2 Clean the foam rings.

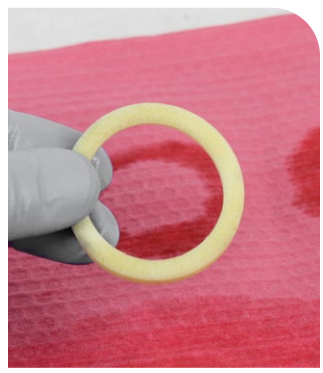
Replace the foam rings if worn, damaged, or excessively contaminated.



Suspension cleaner







3 Soak the foam rings in suspension oil.



Maxima PLUSH Dynamic Suspension Lube Light

4 Clean the inside and outside of the lower leg.

Clean the wiper seals.



Suspension Cleaner



Dowel





5 Install the foam rings under the wiper seals.

Confirm the foam rings are installed evenly and square in the space under the wiper seals and do not protrude out of the groove.





50 Hour Service Continue the 50 Hour Service with Lower Leg Installation.

1 Remove and discard the foam rings.

Remove the outer wire springs from the dust wiper seals.



Pick



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

Repeat on the other side. Discard the wiper seals.

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.



Downhill tire lever





3 Clean the inside and outside of the lower leg.



Suspension Cleaner



Dowel

4 Soak new foam rings in suspension oil.

Install the new foam rings into the lower leg.



Maxima PLUSH Dynamic Suspension Lube Light



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



6 Insert the narrow end of a new wiper seal into the recessed end of the RockShox 38 mm Dust Seal Installation tool.



38 mm Dust Seal Installation Tool



7 Stabilize the lower leg on a bench top. Hold the lower leg steady and press the wiper seal into the lower leg until the top of the seal is flush with the top of the lower leg.

Repeat on the other side.

NOTICE

Only press the wiper seal into the lower leg until it is flush with the top surface of the lower leg. Pressing the wiper seal below the top surface of the lower leg will compress the foam ring.



38 mm Dust Seal Installation Tool



Mallet

8 Install the outer wire springs.





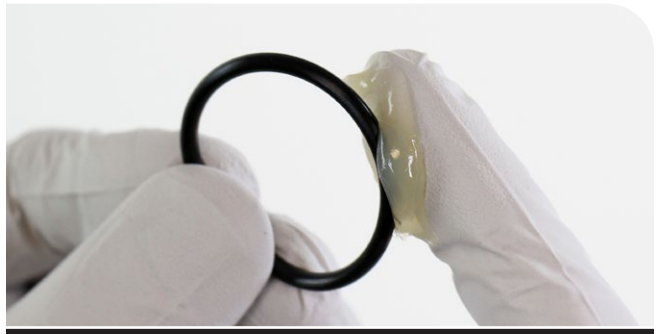
200 Hour Service | Air Spring Removal

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 RockShox Suspension Cleaner or isopropyl alcohol onto each part and clean with a clean lint-free shop towel.

Apply SRAM Butter grease to the new seals and o-rings.

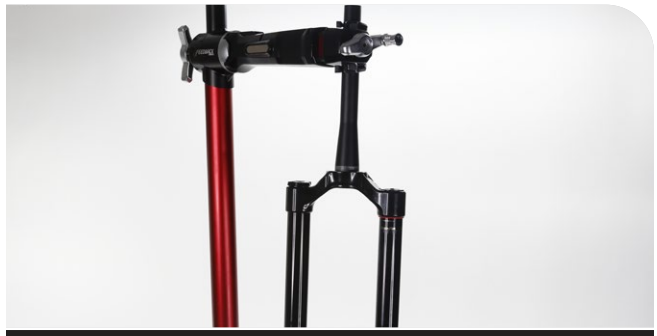


SRAM Butter Grease

1 Clamp the fork in a bicycle work stand vertically with the steerer tube oriented upward.

⚠WARNING - PRESSURIZED DEVICE

To avoid possible SERIOUS INJURY OR DEATH, position the fork vertically with the steerer tube upward so the top cap is directed upward and away from you and others.



Bicycle work stand

2 Confirm the Schrader valve core is NOT INSTALLED in the air spring top cap before proceeding. Remove the Schrader valve core if installed.

⚠WARNING - PRESSURIZED DEVICE

Always wear certified safety glasses (ANSI Z87.1, EN166 EU).

Verify all air pressure is removed from the suspension component. Failure to do so can result in SERIOUS INJURY OR DEATH. Refer to the Suspension Safety Precautions and Warnings section for detailed Pressurized Device warnings and instructions.





RockShox Schrader Valve Tool

3 The positive and negative air spring chambers **must be FULLY depressurized** before removing the air spring top cap assembly.

Slowly compress and extend (push up/pull down) the air spring shaft to allow any remaining negative air pressure to bypass the air transfer dimple on the inside surface of the upper tube.

The negative air spring chamber is fully depressurized when the shaft can be pulled to full extension. When released, the air spring shaft will retract into the upper tube slightly due to pressure created when the air piston is extended past the air bypass dimple in the upper tube. This is normal.

Repeat the process two to three times.





4 **⚠WARNING - PRESSURIZED DEVICE**

Always wear certified safety glasses (ANSI Z87.1, EN166 EU).

Verify all air pressure is removed from the suspension component. Failure to do so can result in SERIOUS INJURY OR DEATH. Refer to the Suspension Safety Precautions and Warnings section for detailed Pressurized Device warnings and instructions.

Remove the air spring top cap. Press down firmly when loosening the top cap.

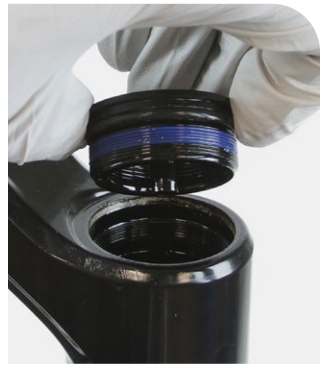
NOTICE

The fork top caps are tightened to a high torque value. Ensure the fork is held securely in the bicycle stand. To avoid damage to the top cap, press the top cap / cassette tool squarely and firmly down when loosening. Use a socket wrench with a long handle for extra leverage.

Clean the upper tube threads.

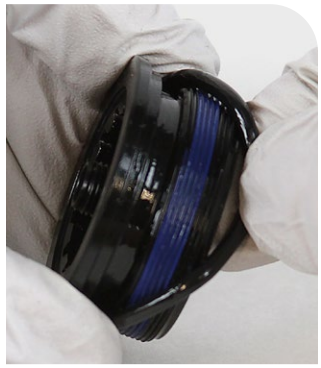


Top cap / cassette tool



5 Remove the top cap o-ring and discard it.

Apply grease to a new o-ring and install it.





6 Remove the retaining ring. Use your finger to guide the retaining ring and protect the air spring shaft during removal.

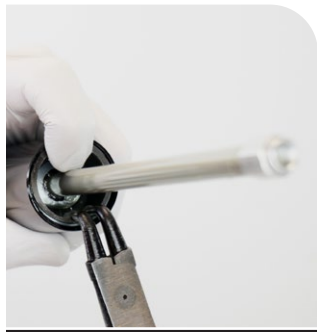
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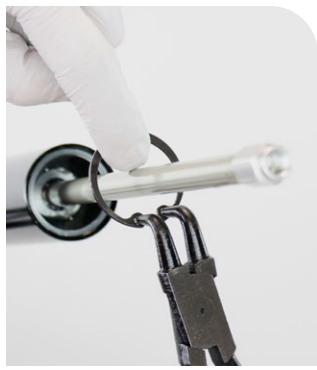
NOTICE

Do not scratch the air spring shaft. Scratches on the air shaft will allow air to bypass the seal head into the lower leg, resulting in reduced spring performance.



Retaining ring pliers







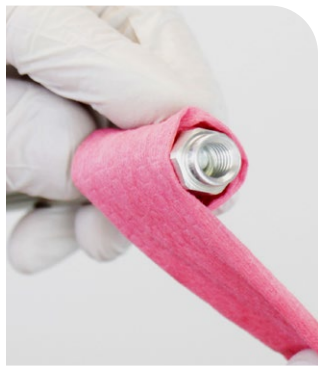
7 Wrap a shop towel around the end of the air shaft for extra grip.

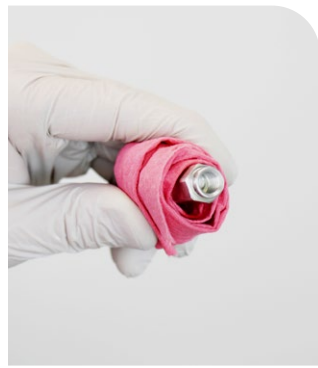
Push the shaft half way into the upper tube, then quickly and firmly pull the shaft out to dislodge the seal head. Remove the air spring assembly from the upper tube.

Remove the seal head spacer and bottom bolt from the air shaft.

NOTICE

Do not scratch the inside of the upper tube. Scratches will allow air to bypass the seals resulting in reduced spring performance.





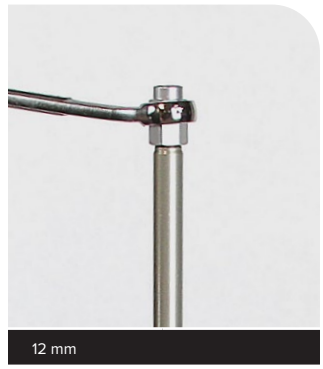


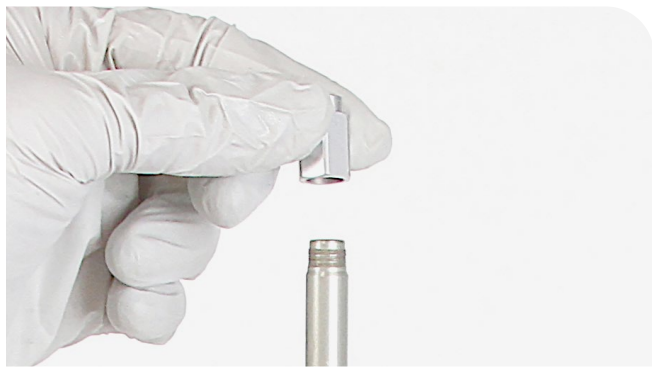


8 Clamp an 18 mm socket into a vise. Position the air piston onto the socket. While holding the air shaft, unthread and remove the air shaft nut from the air spring shaft.

Remove the air assembly from the vise.


18 mm


12 mm



9 Remove the seal head and top out bumper from the air spring shaft.

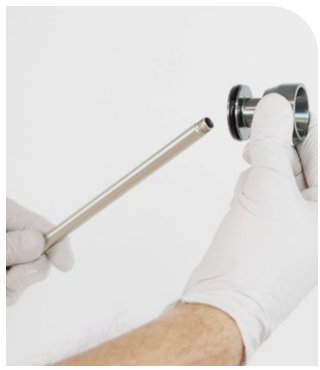
Discard the seal head.

Clean and inspect the shaft for damage.

Clean the top out bumper.

NOTICE

Scratches on the air spring shaft can cause air to leak. If a scratch is visible the air spring assembly may need to be replaced.





10 Remove the quad ring seal from the air piston and discard it.

Clean the air piston.

Apply grease to the new quad ring seal and install it.

NOTICE

Do not scratch the air piston. Scratches will cause air to leak.









11 Clean the inside and outside of the upper tube.

Inspect the inside and outside of the upper tube for damage.

NOTICE

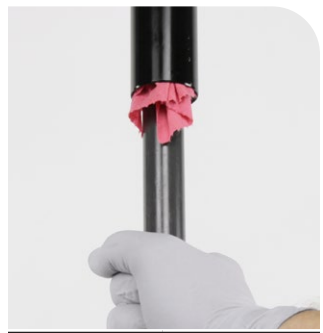
Scratches on the inside surface of the upper tube can cause air to leak. If an internal scratch is visible, the crown steerer upper tube assembly may need to be replaced.



Suspension cleaner



Dowel



Dowel

DebonAir - Air Spring Travel Change and Bottomless Tokens (optional)

To increase or decrease the travel of your RockShox Domain fork, the air spring must be replaced with the appropriate length air spring shaft assembly. For example, to change a Domain with a maximum of 160 mm of travel to a maximum of 180 mm of travel, a 180 mm air spring assembly must be installed.

Bottomless Tokens can be added to, or removed from the DebonAir (DA) top cap to fine-tune the bottom-out feel and spring curve. Use the chart below to help determine the number of Bottomless Tokens that can be used with each maximum fork travel option. If fork travel is changed from stock, it may be necessary to add or remove Bottomless Tokens.

Refer to the RockShox Spare Parts Catalog at www.sram.com/service for available air spring and Bottomless Token kits.

For part ordering information, please contact your local SRAM distributor or dealer.

DebonAir - Travel and Bottomless Token Tuning (optional)

27.5" Boost & 29" Boost		
Fork Travel (mm)	Bottomless Tokens (grey) Factory Installed	Bottomless Tokens (grey) Maximum
180	0	3
170	1	3
160	2	3
150	2	3

DebonAir - Bottomless Tokens Installation (optional)

Bottomless Tokens reduce air volume in your fork and create greater ramp at the end of the fork travel. Add or remove Tokens to tune your fork's bottomless feel.

Thread a Bottomless Token into another Bottomless Token, or into the the bottom of the top cap, and tighten.



8 mm	4 N·m (35 in-lb)	Top cap / Cassette tool

DebonAir - Air Spring Travel Change and Bottomless Tokens (optional)

It is optional to change maximum fork travel by replacing the stock air spring shaft assembly with a shorter or longer air spring shaft assembly. If maximum travel is increased or reduced, use the new complete air spring shaft assembly in the following installation steps. It may also be necessary to add or remove Bottomless Tokens. Refer to Air Spring Travel Change and Bottomless Tokens for details.

Refer to the RockShox Spare Parts Catalog at www.sram.com/service for available air spring and Bottomless Token kits.

For part ordering information, please contact your local SRAM distributor or dealer.

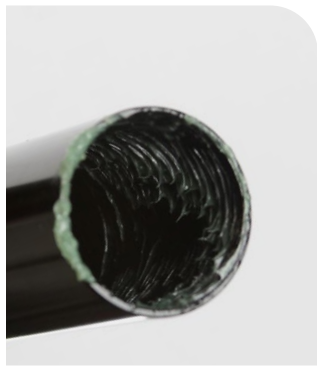
200 Hour Service Air Spring Installation

1 Apply a liberal amount of grease evenly around the end of a clean plastic dowel, approximately 150 mm from one end. Use the dowel to apply the grease to the inside surface of the upper tube, approximately 150 mm into the tube.









2 Install the top out bumper onto the shaft.





3 Apply a liberal amount of grease to the air spring shaft.

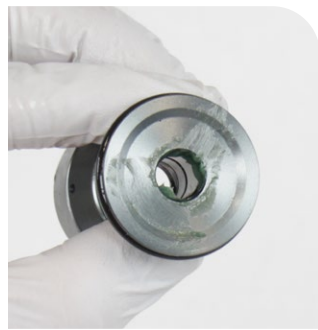


Grease

4 Apply grease to the new seal head inner seal.

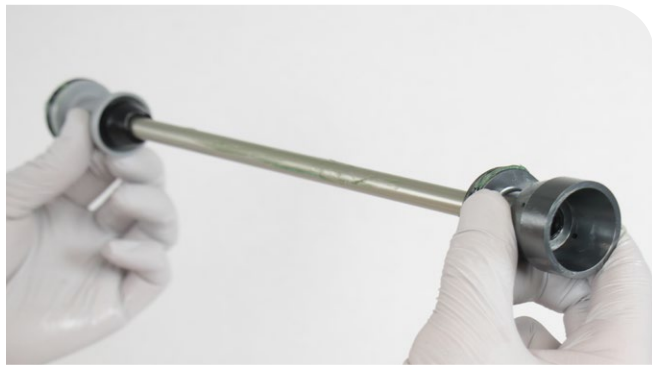


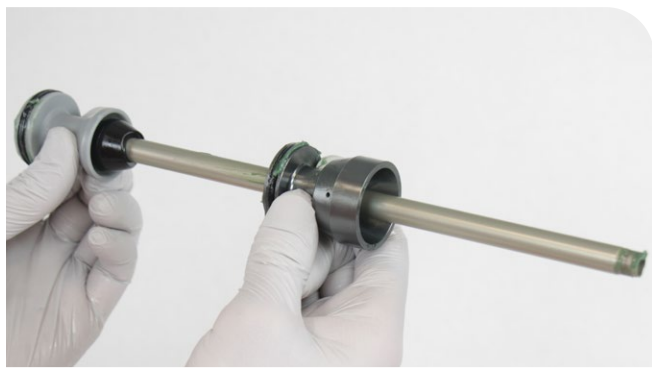
Grease



Grease

5 Install the new seal head assembly onto the air shaft.





6 Apply red Loctite 2760 to the first two to three full threads on the end of the air shaft.

Clamp an 18 mm socket into a vise.

Insert the air piston onto the socket to secure it. Thread the air shaft nut onto the air shaft and tighten it.

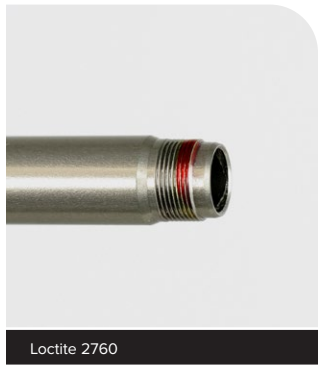
⚠WARNING - CRASH HAZARD

To avoid separation of parts, threadlocker must be applied as instructed. Failure to apply threadlocker could result in separation of the parts, and possible SERIOUS INJURY OR DEATH.

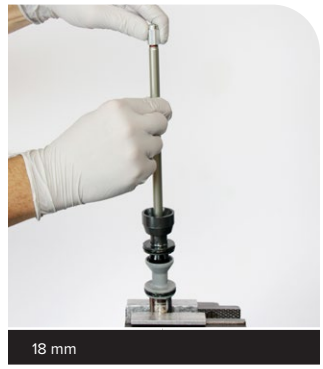
Parts must be tightened to the specified torque. Failure to do so can result in SERIOUS INJURY OR DEATH.

NOTICE

Do not scratch the air spring shaft. Scratches can cause air to leak. Replace the air spring assembly if a scratch is visible.



Loctite 2760



18 mm



18 mm | 3.3 N·m (29 in-lb) | 12 mm

7 Apply suspension oil to the spring shaft, above the seal head.

Apply grease to the air piston and seal head outer o-rings/seals.



Maxima PLUSH Dynamic Suspension Lube Heavy 1 mL

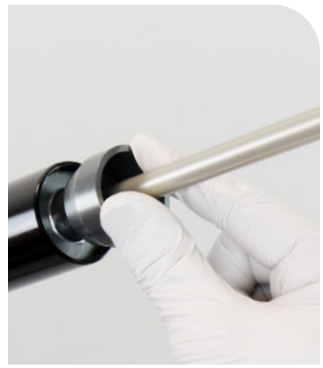


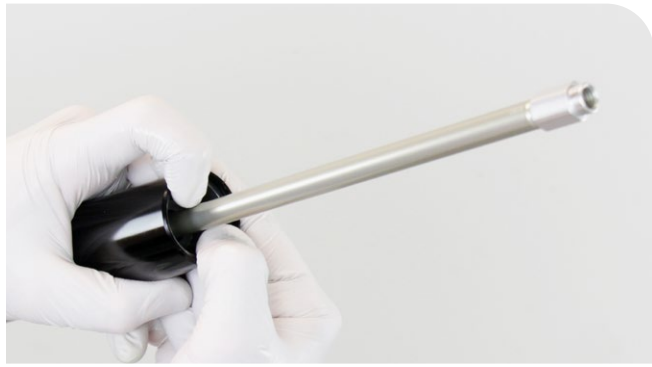
Grease

8 Insert the air spring assembly into the upper tube. Firmly push the air piston into the upper tube.

Insert the red spacer into the upper tube and firmly press it into the upper tube until it stops.







9 *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.*

Guide the retaining ring with your finger to prevent scratching the air shaft.

Place the tips of the retaining ring pliers into the eyelets of the retaining ring, then use the pliers to push the seal head into the upper tube while installing the retaining ring into the groove.

NOTICE

Do not scratch the air spring shaft. Scratches on the air shaft will allow air to bypass the seal head into the lower leg, resulting in reduced spring performance.

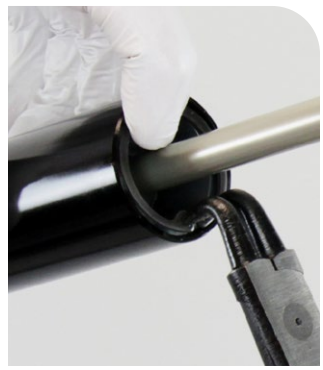
Confirm the retaining ring is properly seated in the retaining ring groove by using the retaining ring pliers to rotate the retaining ring and seal head back and forth a few times.

⚠WARNING - CRASH HAZARD

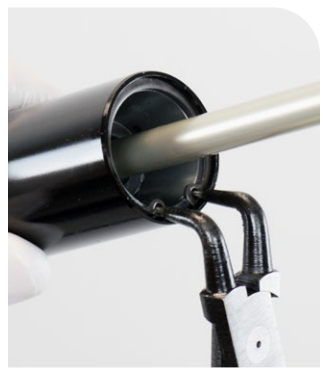
Retaining rings must be fully seated in the retaining ring groove. Confirm the retaining ring is fully seated in the retaining ring groove after installation. Failure to do so can result in SERIOUS INJURY OR DEATH.



Retaining ring pliers







10 Inject or pour suspension oil into the air spring upper tube.



Maxima PLUSH Dynamic Suspension Lube Heavy 3 mL

11 Install the air spring top cap into the upper tube and tighten it. Press down firmly when tightening the top cap.

⚠WARNING - CRASH HAZARD

Parts must be tightened to the specified torque. Failure to do so can result in SERIOUS INJURY OR DEATH.



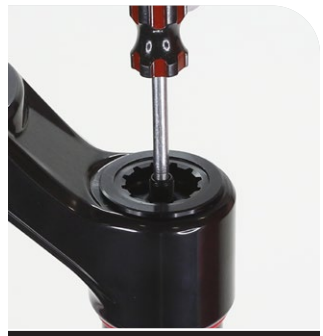


Top cap/ Cassette tool 28 N·m (250 in-lb)

12 Install the Schrader valve core into the top cap and tighten it finger tight.



RockShox Schrader Valve Tool



RockShox Schrader Valve Tool

200 Hour Service Damper Removal

⚠CAUTION

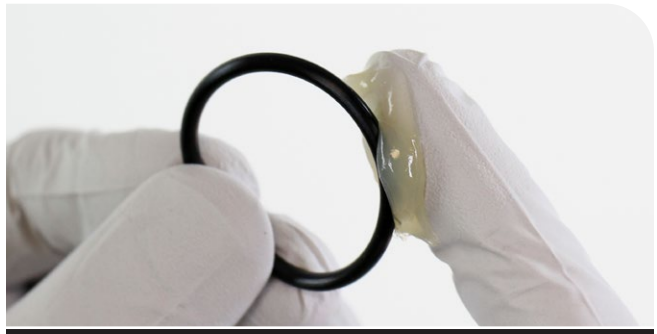
Place an oil pan on the floor underneath the product during service to catch any drained or spilled fluids. To avoid a slip and fall, and possible injury or harm, immediately clean any oil, fluid, grease, or lubricant from the floor in your work area.

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 RockShox Suspension Cleaner or isopropyl alcohol onto each part and clean with a clean lint-free shop towel.

Apply SRAM Butter grease to the new seals and o-rings.



SRAM Butter Grease

1 **RC:** Turn the compression adjuster knob counter clockwise to the full open position.



Remove the retaining screw and remove the compression damper adjuster knob.



2.5 mm



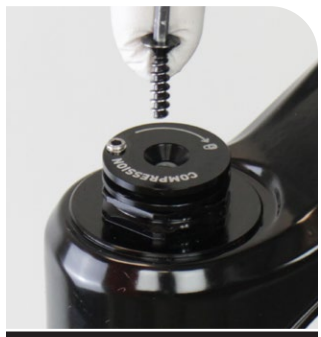
2 **RC R:** Loosen the set screw and remove the cable stop collar.



2 mm



Remove the retaining screw and remove the remote spool.



2.5 mm



3 **RC / RC R:** Unthread the compression damper top cap. Press down firmly when loosening the top cap.

Remove the compression damper by pulling up firmly while rotating the damper counter clockwise to unthread it past the top cap threads.

⚠CAUTION

Place an oil pan on the floor underneath the product during service to catch any drained or spilled fluids. To avoid a slip and fall, and possible injury or harm, immediately clean any oil, fluid, grease, or lubricant from the floor in your work area.

NOTICE

The fork top caps are tightened to a high torque value. Ensure the fork is held securely in the bicycle stand. To avoid damage to the top cap, press the top cap / cassette tool squarely and firmly down when loosening. Use a socket wrench with a long handle for extra leverage.

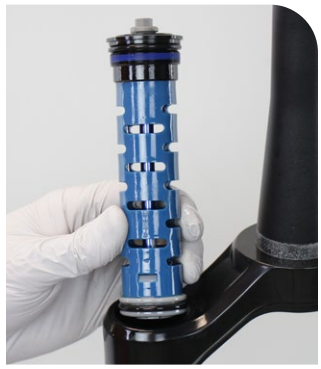
Do not force the damper out of the upper tube if there is resistance. This can cause the separation of the piston from the damper tube.



Top cap/Cassette tool







R: Unthread and remove the top cap/rebound oil spacer assembly. Press down firmly when loosening the top cap.

Do not remove the oil spacer from the top cap.

⚠CAUTION

Place an oil pan on the floor underneath the product during service to catch any drained or spilled fluids. To avoid a slip and fall, and possible injury or harm, immediately clean any oil, fluid, grease, or lubricant from the floor in your work area.

NOTICE

The fork top caps are tightened to a high torque value. Ensure the fork is held securely in the bicycle stand. To avoid damage to the top cap, press the top cap / cassette tool squarely and firmly down when loosening. Use a socket wrench with a long handle for extra leverage.

Do not force the damper out of the upper tube if there is resistance. This can cause the separation of the piston from the damper tube.



Top cap/Cassette tool



4 Remove the fork from the work stand and pour the suspension oil into an oil pan.



Clean the upper tube threads.



5 Clamp the fork into the work stand.

Thread the bottom bolt onto the rebound damper shaft and push the shaft into the upper tube.





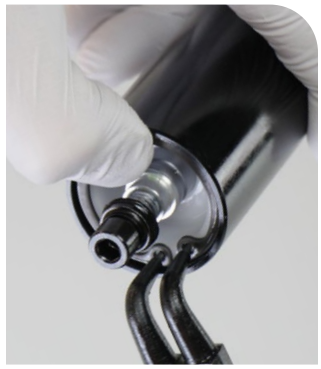
6 Remove the retaining ring. Use your finger to guide the retaining ring over the rebound shaft.

NOTICE

Do not scratch the rebound damper shaft. Scratches will allow oil to leak into the lower leg, resulting in reduced damper performance and potential damage to the fork.



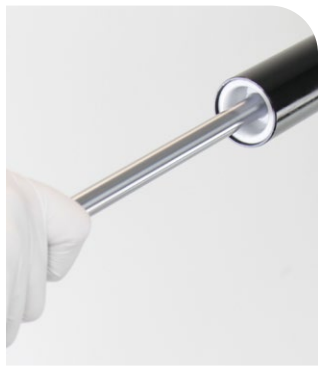
Retaining ring pliers

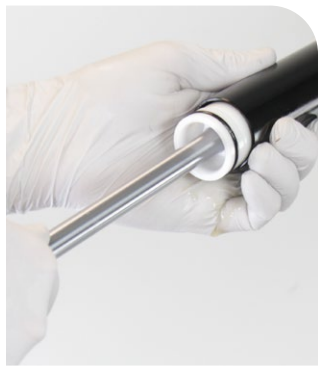






7 Pull the rebound shaft out and remove the rebound damper and seal head.







8 Clean the inside and outside of the upper tube.

Inspect the inside and outside of the upper tube for scratches.

NOTICE

Scratches on the inside surface of the upper tube can cause oil to leak. If an internal scratch is visible, the crown steerer upper tube assembly may need to be replaced.



Suspension cleaner


Dowel



1 **RC / RC R:** Remove the compression damper o-rings and discard them.

Apply grease to new o-rings and install them.



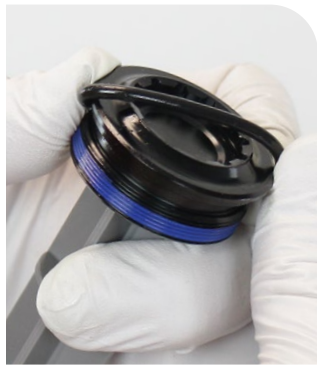






R: Remove the top cap o-ring and discard it.

Apply grease to new o-rings and install them.





2 Remove the bottom bolt.

Remove the rebound damper seal head.

Clean the rebound damper shaft and inspect the shaft for scratches.

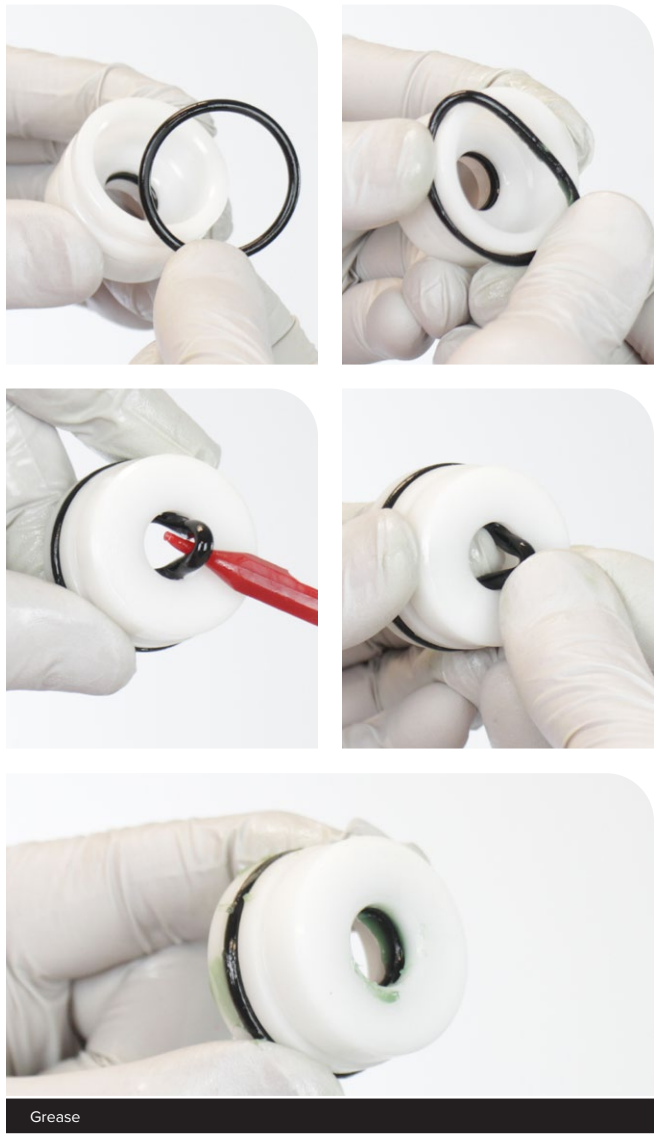
NOTICE

Scratches on the shaft can cause oil to leak. If a scratch is visible, the rebound damper may need to be replaced.





3 Remove the inner and outer seal head o-rings and discard them. Apply grease to the new o-rings and install them.



Grease

4 Remove the glide ring and discard it.
Install a new glide ring.






5 Install the seal head onto the rebound damper shaft.

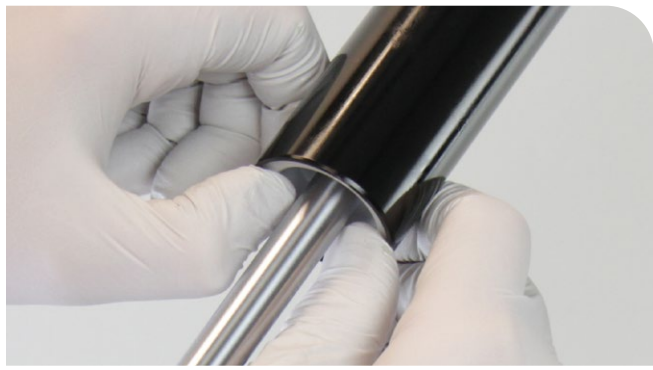



1 Insert the rebound damper piston and seal head into the upper tube.

Push the seal head into the upper tube until the retaining ring groove is visible.







2 Push the rebound damper into the upper tube and thread a bottom bolt into the shaft.





3 *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.*

Install the retaining ring into the upper tube groove.

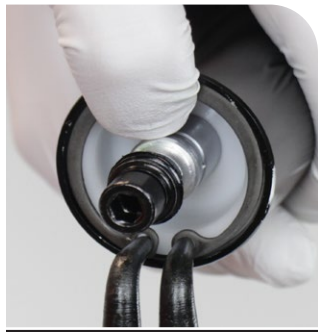
NOTICE

Do not scratch the rebound damper shaft. Scratches will allow oil to leak into the lower leg, resulting in reduced damping performance.

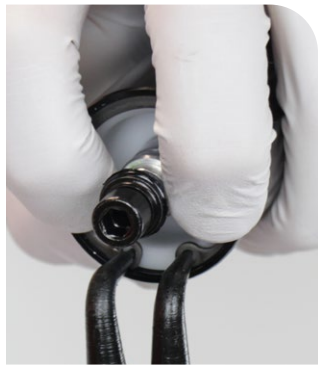
Confirm the retaining ring is properly seated in the retaining ring groove by using the retaining ring pliers to rotate the retaining ring and sealhead back and forth a few times.

⚠WARNING - CRASH HAZARD

Retaining rings must be fully seated in the retaining ring groove. Confirm the retaining ring is fully seated in the retaining ring groove after installation. Failure to do so can result in SERIOUS INJURY OR DEATH.



Retaining ring pliers





4 Pull the rebound damper shaft out to the fully extended position and remove the bottom bolt.





1 Pour suspension oil into the upper tube.

NOTICE

Suspension oil volume is critical. Too much oil reduces available travel and can damage the fork. Too little suspension oil decreases damping performance.



Maxima PLUSH 3 wt 235 mL

2 **RC:** Use the compression adjuster knob to open the valve (A). Rotate the knob counter clockwise until it stops.

A closed compression valve will restrict oil flow during installation.



RC

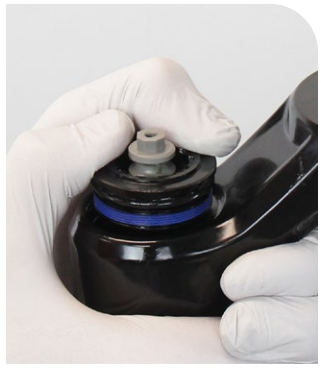


3 **RC / RC R:** Insert the compression damper into the upper tube. Press down slowly and rotate in a circular motion until the damper is installed.









R: Install the top cap/rebound oil spacer assembly into the upper tube.







4 Thread the top cap into the upper tube and tighten it. Press down firmly when tightening the top cap.

⚠WARNING - CRASH HAZARD

Parts must be tightened to the specified torque. Failure to do so can result in SERIOUS INJURY OR DEATH.

R: Proceed to Lower Leg Installation.

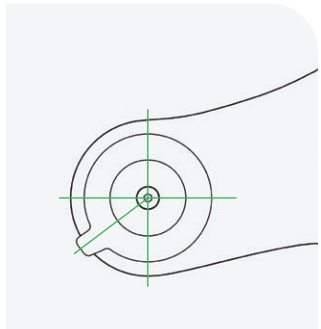


Top cap/Cassette tool	28 N·m (250 in-lb)

5 **RC:** Install the adjuster knob with the tab in the 7-8 o'clock, unlocked position.



RC



Install and tighten the retaining screw.



2.5 mm



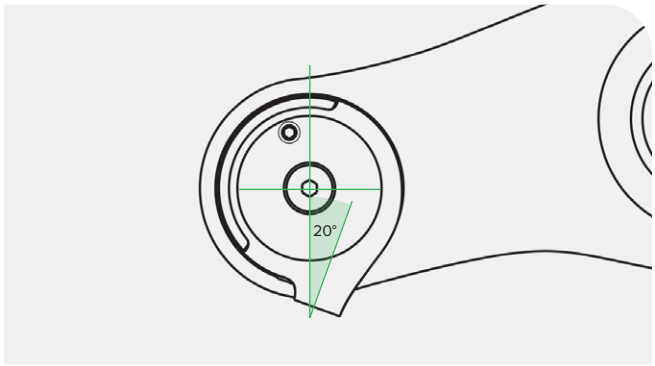
2.5 mm	1.4 N·m (12 in-lb)

6 **RC R:** Install the cable stop collar with the housing guide in the forward position 20 degrees from center.

Tighten the set screw finger tight, or to the specified torque. Confirm the cable stop does not feel loose or have any free play.

NOTICE

To avoid permanent damage to the set screw threads, do not over-tighten the set screw.

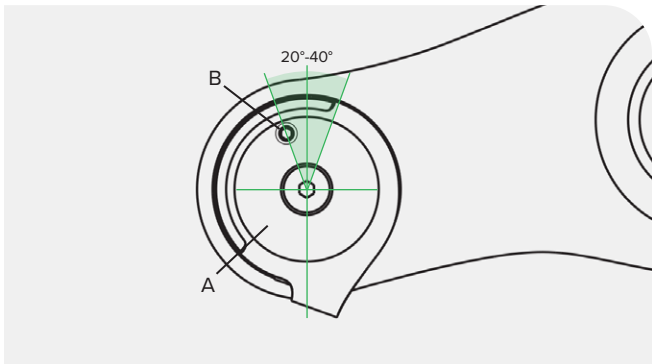




2 mm	0.1-0.3 N·m (0.8-2.6 in-lb)

Install the remote spool (A) onto the hex adjuster with the cable set screw (B) 20-40 degrees from the edge of the cable stop groove, towards the front of the crown.

Install and tighten the retaining screw.





2.5 mm



2.5 mm	1.4 N·m (12 in-lb)

Consult the applicable remote user manual at www.sram.com/en/rockshox/products/remotes for cable and remote installation instructions.

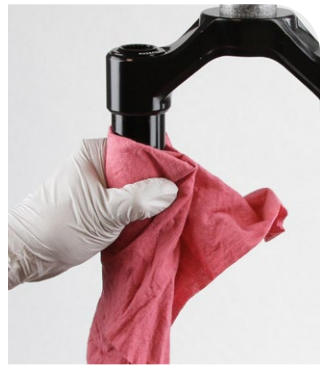
1 Clean the upper tubes.

⚠WARNING - CRASH HAZARD

DO NOT use vinegar of any type to clean any part of a RockShox suspension product. Vinegar can cause permanent damage to parts which can, over time, result in product structural failure, serious injury, and possibly death.



Suspension cleaner



2 Apply grease to the inner surfaces of the dust wiper seals.



3 Install the lower leg assembly onto the upper tubes and slide it just enough to engage the upper bushings with the upper tubes.

NOTICE

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

The inside bottom of the lower leg should not contact the spring or damper shafts. A gap between the shaft ends and the lower leg bolt holes should be visible.









4 Position the fork at an angle with the bolt holes oriented upward.

Inject suspension oil into each lower leg through the bottom bolt holes.

⚠CAUTION

Always wear safety glasses. Do not allow oil, fluid, grease, lubricant, or cleaner to contact your eyes or face. Seek immediate medical attention if irritation occurs.

NOTICE

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



Maxima PLUSH Dynamic Suspension Lube Light 10 mL

5 Slide the lower leg assembly toward the crown until it stops.



The spring and damper shafts should be visible through the bottom bolt holes.

Verify each shaft is centered and seated in the lower leg shaft/bolt hole and no gap is visible between the lower leg and the shaft end.



6 **200 Hour Service** Remove the old crush washers from each bottom bolt.

Hold the crush washer with needle nose pliers and unthread it from the bolt by turning the bolt counter-clockwise. Discard the crush washers.

Clean the bolts and install new crush washers.

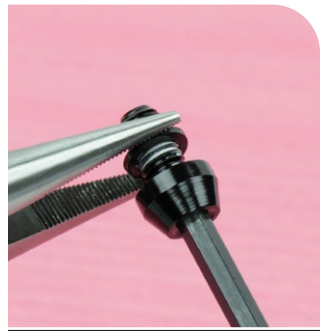
NOTICE

Do not damage the bolt threads.

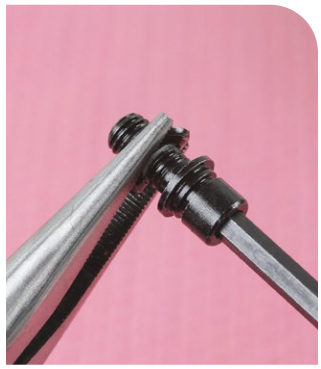
Do not reuse crush washers or crush washer retainers. Dirty or damaged crush washers can cause oil to leak from the fork.

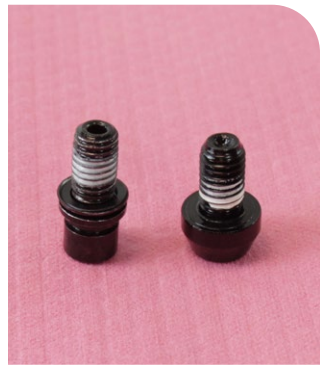


5 mm Pick



5 mm Needle nose pliers





7 Install the solid bottom bolt into the spring side shaft.

Install the hollow bolt into the damper side shaft.

Tighten each bolt.

⚠WARNING - CRASH HAZARD

Parts must be tightened to the specified torque. Failure to do so can result in SERIOUS INJURY OR DEATH.



5 mm Spring side



5 mm 6.8 N·m (60 in-lb)



5 mm Damper side



5 mm 6.8 N·m (60 in-lb)

8 Apply a small amount of grease to the end of the rebound adjuster hex and around the outside of the damper bottom bolt. Install the rebound adjuster knob onto the rebound damper bottom bolt.

Press the knob firmly onto the bolt until it clicks into place.

Refer to your pre-service recorded rebound setting to adjust the rebound damping.





9 **Air Spring Forks:** Refer to your pre-service recorded settings, or use the air chart on the fork's lower leg, and pressurize the air spring.

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.

Compressing the fork will equalize the positive and negative air chambers. After the fork is cycled 3-4 times, check the pressure and add air as needed.



Shock pump

Install the air valve cap.



10 Clean the entire fork.



Suspension cleaner



This concludes the service of your RockShox suspension fork.

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