ROCKSHOX

REBA | bluto

2017+
REBA, BLUTO



SERVICE MANUAL

GEN.0000000006226 Rev C © 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.





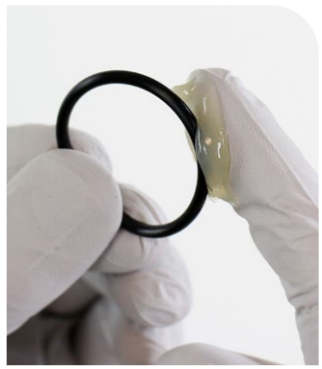
Replace the o-ring or seal with a new one from the service kit. Use your fingers or a pick to pierce and remove the old seal or o-ring.

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-REBA-RL-A9**

FS = Product Type - **Front Shock/Suspension**
REBA = Platform/Series - **Reba**
RL = Model - **RL**
A9 = Version - (**A** - first generation, **9** - ninth 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

- AM SVC kit 200h/1yr Reba A7 80-100 mm (Boost & Standard) Reba A6-A7 120 mm (Boost) (2016+)
- AM SVC kit 200h/1yr Reba A6-A7 120 mm (Standard) (2016+)
- AM SVC kit 200h/1yr Reba A7 130-150 mm (Standard) (Reba 26)
- AM SVC kit 200h/1yr Reba A7 130-150 mm (Boost) (2018+)
- AM SVC kit 200h/1yr Bluto RCT3/RL A3 80-120 mm

Safety and Protection Supplies

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

RockShox Tools

- Dust Seal Install Tool Flangeless (32 mm)
- RockShox Standard Bleed kit
- 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

- Hex bit sockets: 1.5, 2, 2.5, 5 mm
- Hex wrenches: 1.5, 2, 2.5, 5, 8 mm
- Open end wrench: 10 mm
- Flat blade screwdriver
- Internal retaining ring pliers- large
- Long plastic or wooden dowel
- Pick
- Plastic or rubber mallet
- Schrader valve core tool
- Socket wrench
- Socket: 24 mm or RockShox x Abbey Bike Tools 24 mm Socket
- Torque wrench

Lubricants and Fluids

- Liquid-O-Ring PM600 military grease
- RockShox 15wt suspension fluid
- RockShox 5wt suspension fluid
- RockShox Suspension Cleaner or Isopropyl alcohol
- SRAM Butter grease

SAFETY INSTRUCTIONS

Always wear safety glasses and nitrile gloves when working with suspension oil.
Place an oil pan on the floor underneath the area where you will be working on the suspension fork.

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 charts below to record your fork settings to return your fork to its pre-service settings. Record your service date 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				

Torque Values

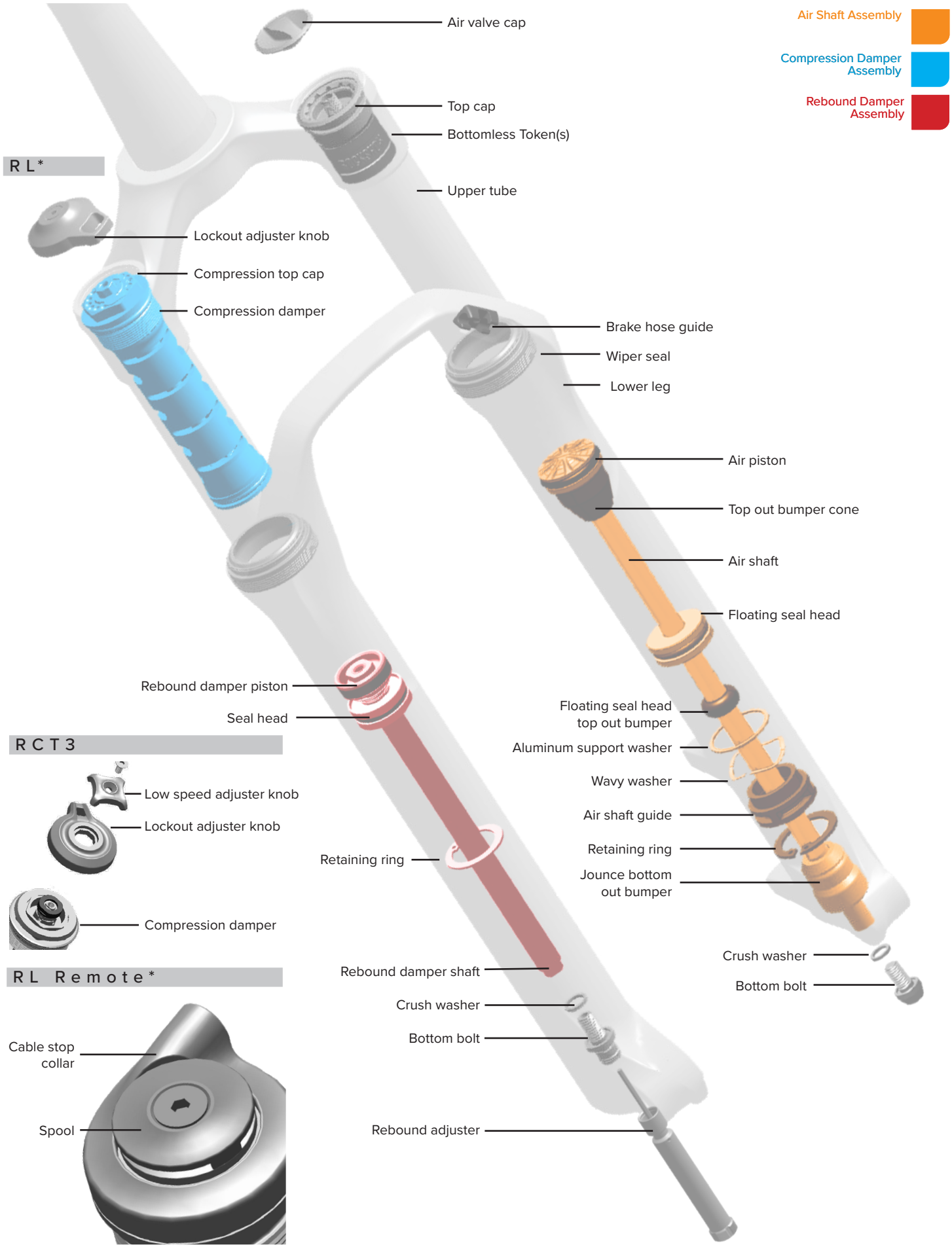
Part	Tool	Torque
Bottom bolts	5 mm hex bit	6.8 N•m (60 in-lb)
Bottomless Tokens	8 mm and 24 mm or RockShox Top Cap / Cassette Lockring Tool	4 N•m (35 in-lb)
Top caps	24 mm or RockShox Top Cap / Cassette Lockring Tool	28 N•m (250 in-lb)

Oil Volume and Oil Height

			Lower Leg		Upper Tube		
Fork	Model	Travel (mm)	Suspension Oil	Volume (mL)	Suspension Oil	Volume (mL)	Oil Height (mm)
Bluto	RCT3 RL RL R	80-120	15wt	5	5wt	106	71-77
Reba	RL RL R	100				100	
		120				108	
		130-150				136	82-88
	26	80-140					

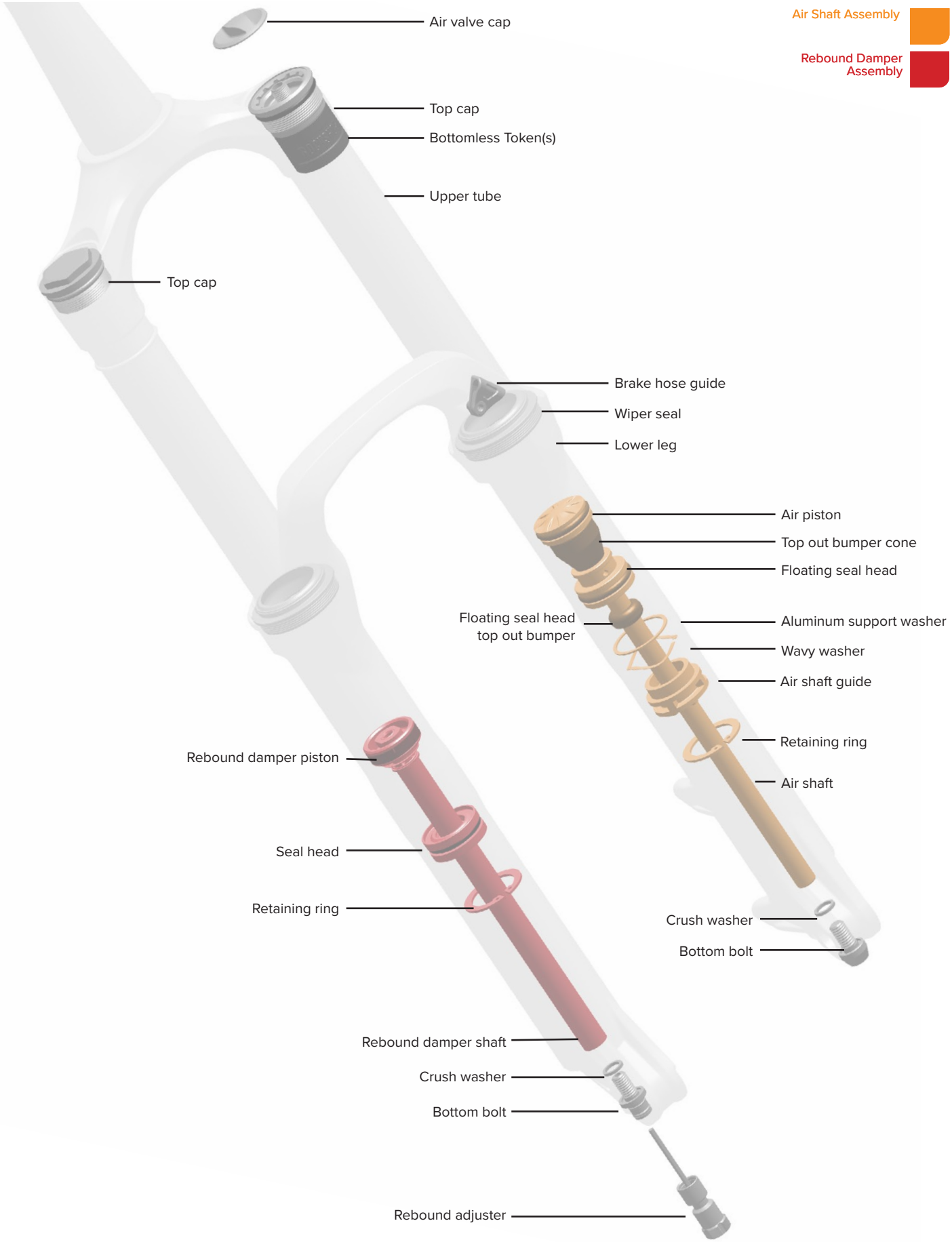
Exploded View - Reba & Bluto RL\R\RCT3

* Your product's chassis and internals may differ from the pictures contained in this publication.



Exploded View- Reba 26

* Your product's chassis and internals may differ from the pictures contained in this publication.



50/200 Hour Service Lower Leg Removal

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

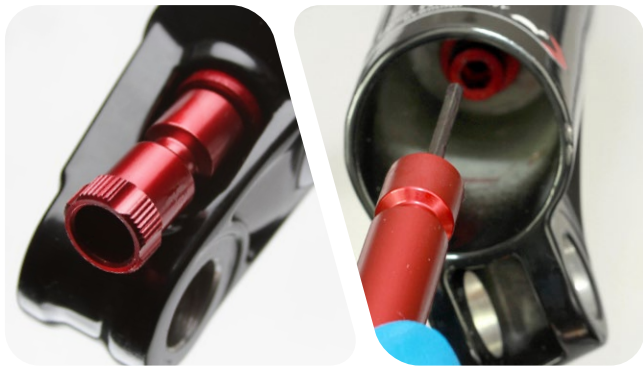
⚠WARNING - PRESSURIZED DEVICE

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 Remove the rebound adjuster knob.



3 Remove the air valve cap.



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.

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



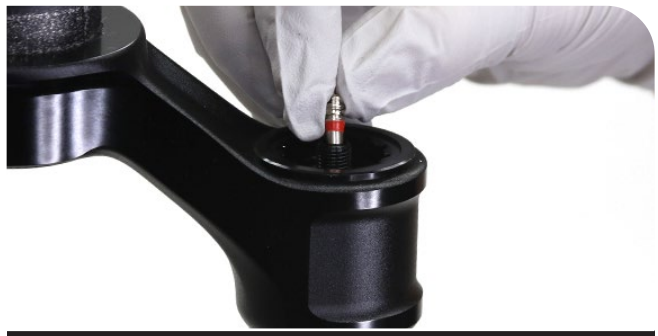
Pick or small hex wrench



Pick or small hex wrench

5

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



RockShox Schrader Valve Tool

6

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





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

⚠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.



Oil Pan

8 Loosen both bottom bolts 3 to 4 turns.



Spring Side



Damper Side

9 Strike the wrench to dislodge the shaft from the lower leg on each side.

Remove each bottom bolt.



Mallet & 5 mm



5 mm

10 Firmly pull the lower leg downward until oil 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.

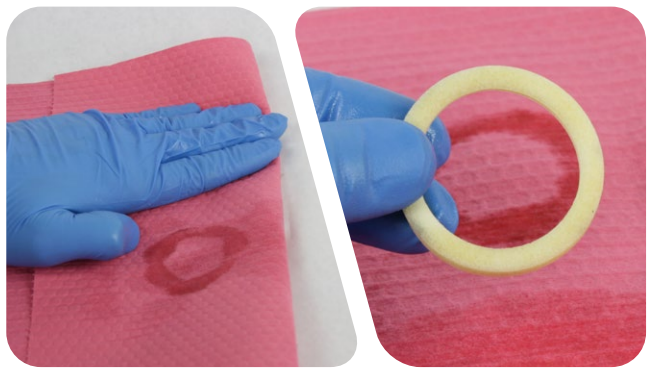
200 Hour Service Continue the 200 Hour Service with Lower Leg Seal Service.

1 Remove the foam rings.



2 Clean the foam rings.





3 Soak the foam rings in RockShox suspension oil.



4 Clean the inside and outside of the lower leg.
Clean the wiper seals.







5 Install the foam rings under the wiper seals.



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

1 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

2 Remove and discard the foam rings.



3 Clean the inside and outside of the lower leg.



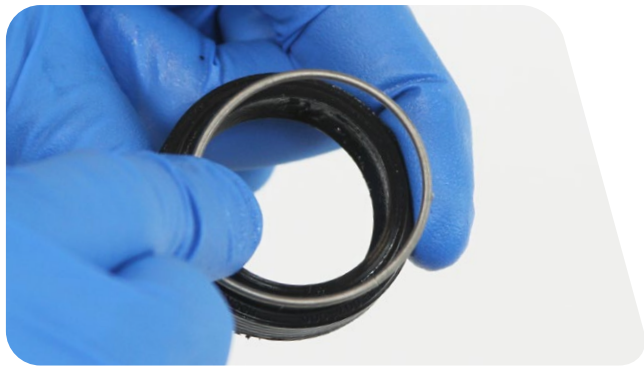
4 Soak new foam rings in suspension oil.

Install the new foam rings into the lower leg.



15wt

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



6 Insert the narrow end of a new wiper seal into the recessed end of the appropriate RockShox seal installation tool.



7 Hold the lower leg steady and press the wiper seal into the lower leg until the seal surface 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 and perpendicular. Pressing the wiper seal below the top surface of the lower leg will compress the foam rings.



8 Install the outer wire spring.



200 Hour Service Continue the 200 Hour Service with Air Spring Service.

Travel Change Adjustment - Optional

To increase or decrease the travel in your Reba or Bluto fork, the air spring must be replaced with the correct length air spring shaft assembly. Refer to the RockShox Spare Parts Catalog available on our website at www.sram.com/service for spare part kit details.

Bottomless Token - Optional Installation

Bottomless Tokens can be added to, or removed from, the air top cap to fine-tune the bottomout feel and spring curve. Bottomless Tokens reduce the air volume in your fork to create greater ramp at the end of the fork travel. Add tokens to maintain your fork's bottomless feel.

1 Thread a Bottomless Token into another token or into the bottom of the top cap.



Fork	Wheel (in)	Travel (mm)	Maximum Tokens
Reba	26	80	4
		100	
		120	
		130	
		140	
Reba	27.5 27.5 B* 29 29 B*	100	3
		110	4
		120	
		130	
		140	
		150	
Bluto	26	80	4
		100	
		120	

*Boost

2 Tighten the token.





NOTICE

Only use SRAM Butter grease on Bluto forks. Use Liquid O-Ring PM600 military grease or SRAM Butter when servicing Reba forks. No other grease is approved for use.

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 shop towel.

Apply grease to the new seal or o-ring.

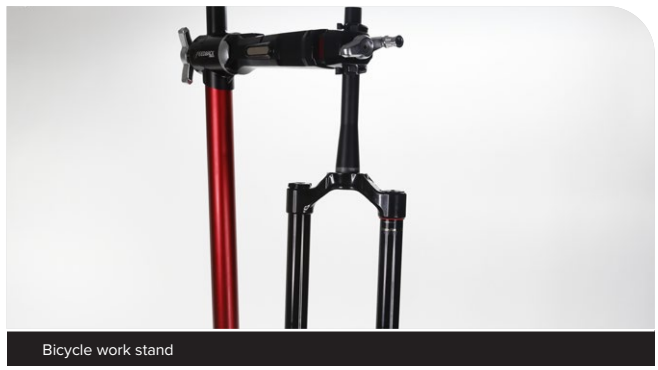
Inspect each part for scratches. Do not scratch any sealing surfaces when servicing your suspension. Scratches can cause leaks.



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.


RockShox Schrader Valve Tool


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.

Unthread and 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.



Outil pour capuchon supérieur/cassette

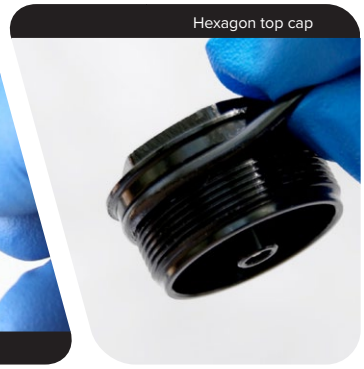


5

Remove the top cap o-ring. Install a new o-ring.

Do not apply grease to the top cap threads.


Spline top cap



6

Reba 29/27.5 100 mm travel forks: Remove the jounce bottom out bumper from the air shaft.



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

Solo Air (SA): Use a flat blade screwdriver to push the seal head tab under the retaining ring.

Place the tips of large retaining ring pliers into the eyelets of the retaining ring.

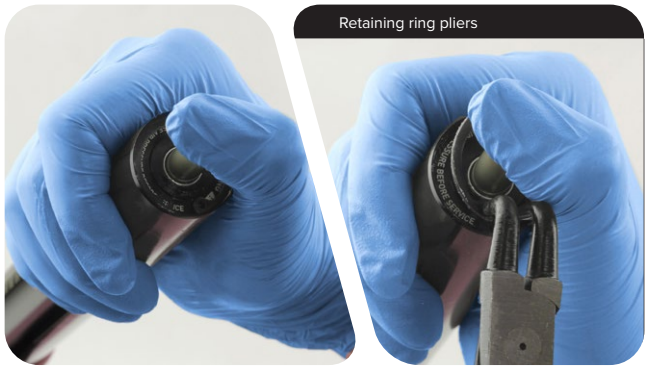
NOTICE

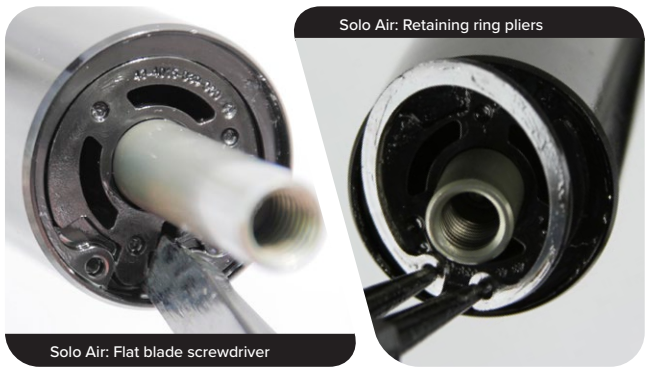
Scratches on the air shaft will allow air to bypass the seal head into the lower leg. Scratches can result in reduced spring performance.

⚠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.





8 Firmly pull on the air shaft to remove the air spring assembly from the upper tube. Clean and inspect the assembly for damage.



9 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, then replace the crown steerer upper tube (CSU).



10 Remove the seal head assembly from the air shaft.

Clean the air shaft assembly.



11 Remove the outer and inner o-rings on the floating seal head. Apply grease and install new o-rings.





12 Remove the air piston outer o-ring. Apply grease and install a new o-ring.



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



SRAM Butter (Bluto or Reba) / PM600 (Reba only)

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



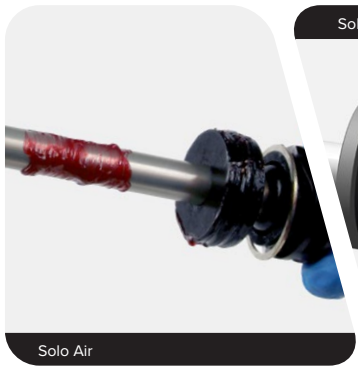
SRAM Butter (Bluto or Reba) / PM600 (Reba only)

15 Apply a liberal amount of grease 40-60 mm wide around the air shaft. Install the seal head assembly onto the air shaft.



SRAM Butter (Bluto or Reba) / PM600 (Reba only)

Solo Air: Install the floating seal head, floating seal head top out bumper, aluminum support washer, wavy washer, and air shaft guide, in that order, onto the air shaft.



Solo Air

Solo Air: Seal head assembly orientation



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

Solo Air: Orient the washers so that the aluminum support washer goes into the upper tube first, followed by the wavy washer.

Insert the seal head into the upper tube and firmly press it into the upper tube until it stops.



17 *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.*

Place the tips of the retaining ring pliers into the eyelets of the retaining ring. Guide the retaining ring with your finger to prevent the shaft from from getting scratched while installing the retaining ring.

Use the pliers to push the seal head into the upper tube while installing the retaining ring into the groove. Release the retaining ring pliers when the ring is fully seated in the groove.

Solo Air: Hold the retaining ring in place and seat the retaining ring eyelets on either side of the seal head tab. The tab of the air shaft guide should be positioned between the retaining ring eyelets.

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, then firmly pull down on the air shaft.

⚠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.





18 **Reba 29/27.5 100 mm travel forks:** Install the jounce bottom out bumper on the air shaft.



19 Install the top cap and tighten.

⚠WARNING - CRASH HAZARD

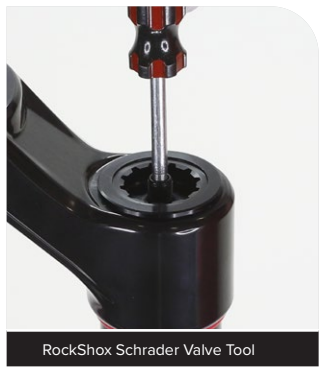
Parts must be tightened to the specified torque. Failure to do so can result in SERIOUS INJURY OR DEATH.





20 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 Continue the 200 Hour Service with the Damper Service.

⚠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

1a **Crown Adjust**: Rotate the adjuster knob to the open position.

RL: Remove the retention screw and knob.



RCT3: Remove the set screw, nut, and knob.



1b **RL Remote:** Press the remote lever in to the open position. Remove the retention screw, cable spool, and cable. Loosen the remote cable stop collar clamping bolt. Remove the cable stop collar.



2 Loosen the compression damper top cap.

Remove the compression damper by pulling up firmly and slowly, while gently rotating the damper in a circular motion.

NOTICE

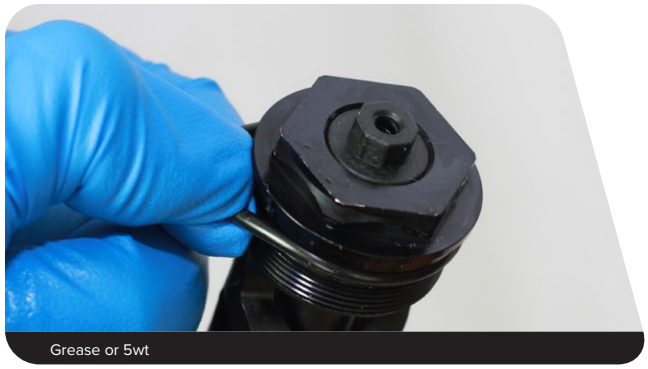
The fork top caps are tightened to a high torque value. Ensure the fork is held securely in the bicycle stand. To avoid damage to the top cap, press the top cap / cassette tool squarely and firmly down when loosening. Use a socket wrench with a long handle for extra leverage.

NOTICE

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



3 Remove the compression top cap o-ring. Install a new o-ring.



4 Remove the compression damper piston o-ring. Apply grease to the new o-ring and install it.



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



5 Pour the suspension oil into an oil pan.

⚠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.



6 Push the rebound damper shaft into the upper tube and remove the rebound damper retaining ring.

NOTICE

Do not let the retaining ring contact the shaft. Scratches on the shaft will allow fluid to bypass the seal head into the lower leg. Scratches can result in reduced damper performance.



7 Remove the rebound damper and seal head.

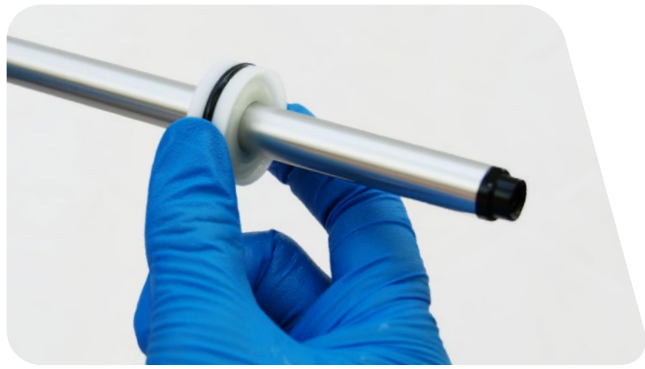


8 Clean the inside and outside of the upper tube.



9 Remove the seal head from the rebound damper shaft.

Clean the rebound damper shaft.



10 Remove the outer seal head o-ring. Use a pick to pierce and remove the inner seal head o-ring.

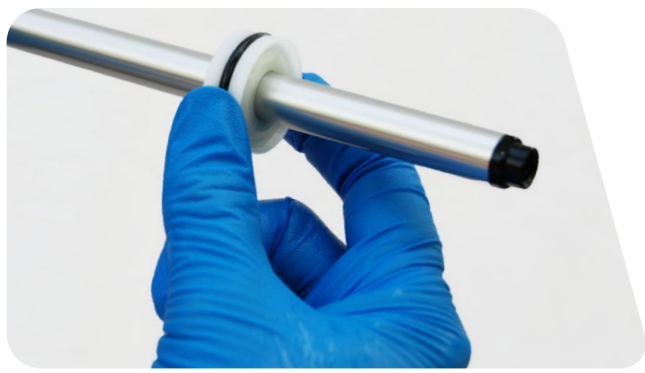
Apply grease to the new o-rings and install them on the seal head.



11 Remove the glide ring from the piston and install a new glide ring.



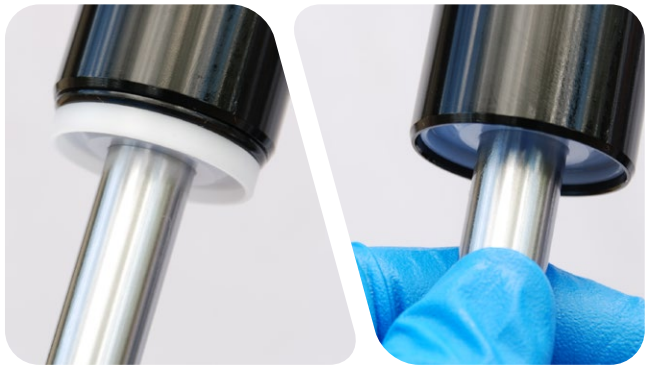
12 Install the seal head on the damper shaft.



13 Insert the rebound damper 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 inside the upper tube.



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



15 *Retaining rings have a sharper-edged side and a rounder-edged side. Install retaining rings with the sharper-edged side facing the tool to allow for easier installation and removal.*

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

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 damper 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.



16 Pull the rebound damper shaft out to the fully extended position.



17 Pour suspension oil into the damper side upper tube.

Fork	Model	Travel (mm)	Oil Volume (mL)	Oil Height (mm)
Bluto	RCT3 RL RL R	80-120	106	71-77
Reba	RL RL R	100	100	
		120	108	
		130-150	136	82-88



⚠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.

18 **RL and RCT3**: Verify the compression damper valve is in the open position.

A closed compression valve will restrict oil flow during installation.



19 Install the compression damper into the upper tube. Press down and rotate in a circular motion until the damper is installed.



20 Tighten 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.



21a **RCT3:** Install the compression adjuster knob on the top cap so the knob rotates from open to closed.

Install and tighten the washer bolt. Install and tighten the low speed compression knob and set screw.

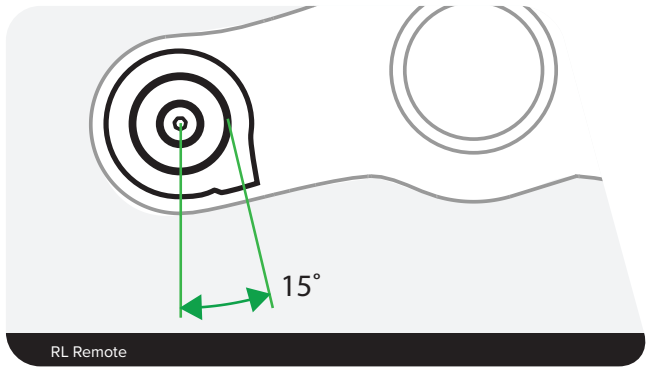


RL: Install the lockout adjuster knob on the top cap so the knob rotates from open to closed.

Install and tighten the retention screw.



21b **RL Remote:** Install the cable stop collar.



Tighten the cable stop collar. Install the bottom spool with the grooves up.



Install the cable spool top so the indicator dot on the cable spool is oriented within the bracket printed on the cable stop. Install and tighten the set screw.



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

200 Hour Service Rebound Damper Service

⚠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 Loosen the damper side 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.



24 mm



2 Remove the top cap o-ring. Install a new o-ring.



Grease or 5wt

3 Pour the suspension oil into an oil pan.

⚠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.



4 Push the rebound damper shaft into the upper tube and remove the rebound damper retaining ring.

NOTICE

Do not let the retaining ring contact the shaft. Scratches on the shaft will allow fluid to bypass the seal head into the lower leg. Scratches can result in reduced damper performance.



5 Remove the rebound damper and seal head.

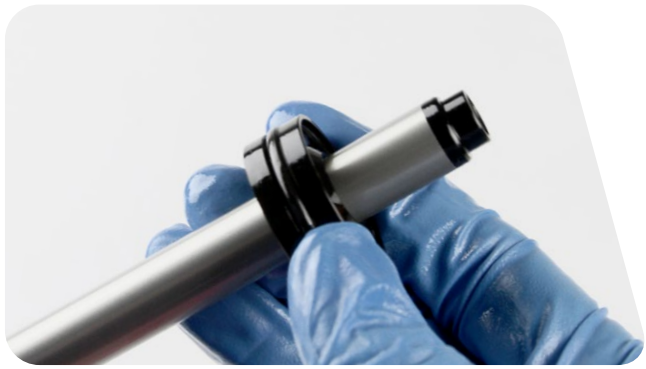


6 Clean the inside and outside of the upper tube.



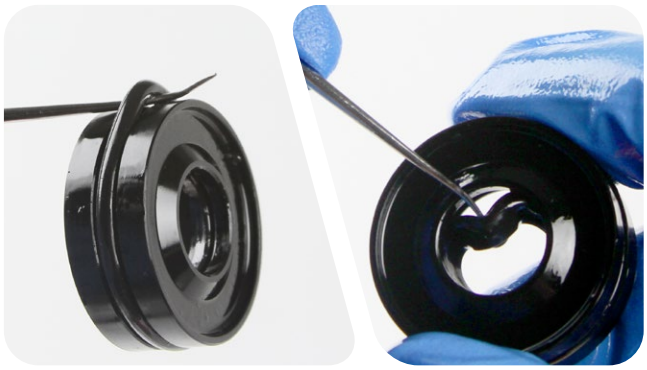
7 Remove the seal head from the rebound damper shaft.

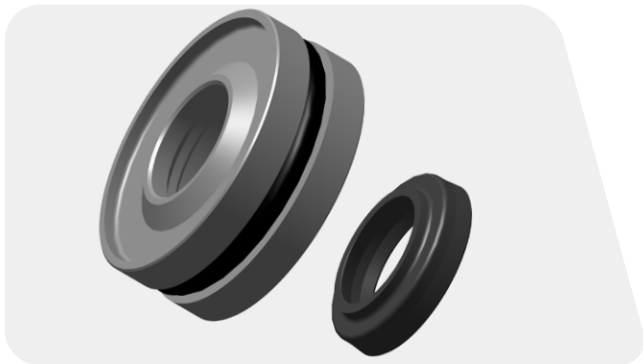
Clean the rebound damper shaft.



8 Remove the outer seal head o-ring. Use a pick to pierce and remove the inner seal head o-ring.

Apply grease to the new o-rings and install them on the seal head.





9 Remove the glide ring from the piston and install a new glide ring.



10 Install the seal head on the damper shaft.



11 Insert the rebound damper 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 inside the upper tube.



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



13 *Retaining rings have a sharper-edged side and a rounder-edged side. Install retaining rings with the sharper-edged side facing the tool to allow for easier installation and removal.*

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

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 damper 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.



Retaining ring pliers

14 Pull the rebound damper shaft out to the fully extended position.



15 Pour suspension oil into the damper side upper tube.

Fork	Model	Travel (mm)	Oil Volume (mL)	Oil Height (mm)
Reba	26	80	136	82-88
		100		
		120		
		130		
		140		

⚠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.



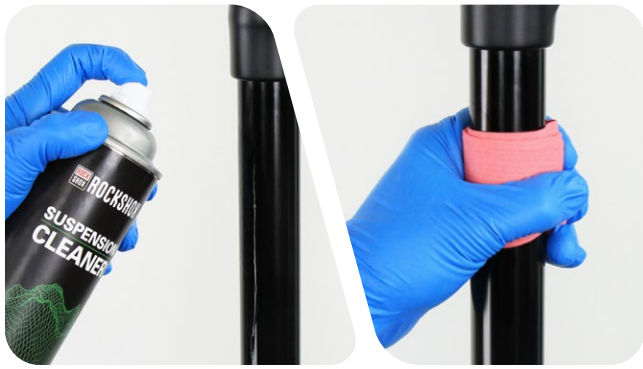
16 Tighten the top cap.

⚠WARNING - CRASH HAZARD

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

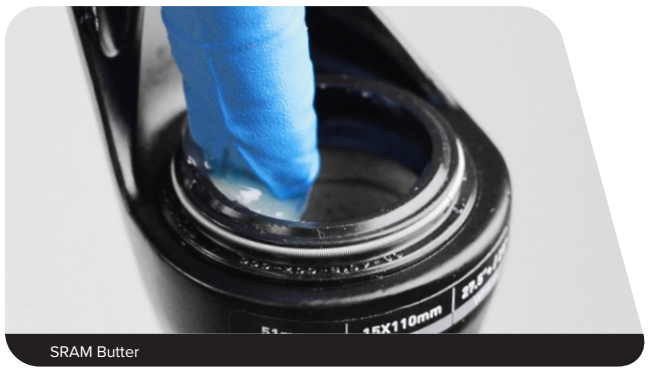


1 Clean the upper tubes.



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

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

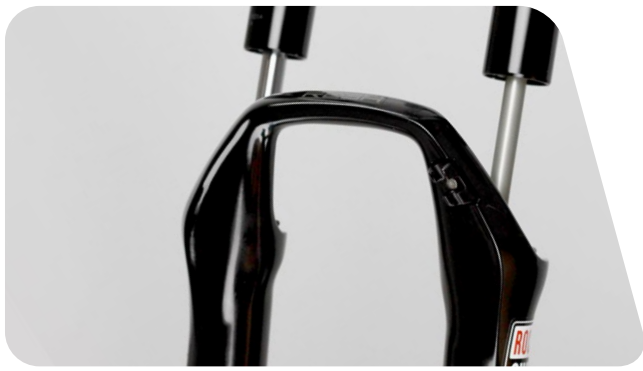


SRAM Butter

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

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 lower leg bolt holes oriented upward.

Angle a syringe fitting in each lower leg bolt hole so the oil will only contact the inside of the lower leg.

Inject 5 mL of suspension oil into each lower leg through the lower leg bolt hole.

NOTICE

Do not exceed the recommended oil 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 **200 hour service only:** Use a pick and needle nose pliers to remove the old crush washers from each bottom bolt.

Hold the crush washer with needle nose pliers and unthread the crush washer from the bolt by turning the bolt counter-clockwise with a 5 mm hex wrench.

NOTICE

Dirty or damaged crush washers can cause oil to leak from the fork.



7 Install the black bottom bolt into the spring side shaft of the lower leg. Install the red bottom bolt into the damper side shaft of the lower leg.

⚠WARNING - CRASH HAZARD

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



8 Install the rebound damper knob. 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.

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 Install the air valve cap onto the air spring top cap.



11 Clean the entire fork.



This concludes the service of your RockShox Bluto & Reba suspension forks.

For Remote user manuals, please visit [www.sram.com/service.](www.sram.com/service)

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