

2022+
Reverb AXS XPLR



SERVICE MANUAL

SRAM LLC WARRANTY

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AGAINST SRAM, LLC. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE, COUNTRY, OR PROVINCE. THIS WARRANTY DOES NOT AFFECT YOUR STATUTORY RIGHTS. TO THE EXTENT THIS WARRANTY IS INCONSISTENT WITH THE LOCAL LAW, THIS WARRANTY SHALL BE DEEMED MODIFIED TO BE CONSISTENT WITH SUCH LAW. FOR A FULL UNDERSTANDING OF YOUR RIGHTS, CONSULT THE LAWS OF YOUR COUNTRY, PROVINCE, OR STATE.

This warranty applies to SRAM products made under the SRAM, RockShox, Truvativ, Zipp, Quarq, Avid and TIME brand names.

EXTENT OF LIMITED WARRANTY

Except as otherwise set forth herein, SRAM warrants its bicycle components to be free from defects in materials or workmanship for a period of two (2) years after original purchase of the product.

SRAM warrants all Zipp MOTO Wheels and Rims to be free from defects in materials or workmanship for the lifetime of the product.

SRAM warrants all non-electronic Zipp branded bicycle components, Model Year 2021 or newer, to be free from defects in materials or workmanship for the lifetime of the product.

GENERAL PROVISIONS

This warranty only applies to the original owner and is not transferable. Claims under this warranty must be made through the retailer where the bicycle or the SRAM product was purchased or a SRAM authorized service location. Original proof of purchase is required. All SRAM warranty claims will be evaluated by a SRAM authorized service location whereupon acceptance of the claim the product will be repaired, replaced, or refunded at SRAM's discretion. To the extent allowed by local law claims under this warranty must be made during the warranty period and within one (1) year following the date on which any such claim arises.

NO OTHER WARRANTIES

EXCEPT AS DESCRIBED HEREIN, AND TO THE EXTENT ALLOWED BY LOCAL LAW, SRAM MAKES NO OTHER WARRANTIES, GUARANTIES, OR REPRESENTATIONS OF ANY TYPE (EXPRESS OR IMPLIED), AND ALL WARRANTIES (INCLUDING ANY IMPLIED WARRANTIES OF REASONABLE CARE, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED.

LIMITATIONS OF LIABILITY

EXCEPT AS DESCRIBED HEREIN, AND TO THE EXTENT PERMITTED BY LAW, IN NO EVENT SHALL SRAM OR ITS THIRD PARTY SUPPLIERS BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. SOME STATES (COUNTRIES AND PROVINCES) DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

LIMITATIONS OF WARRANTY

This warranty does not apply to products that have been incorrectly installed, adjusted, and/or maintained according to the respective SRAM user manual. The SRAM user manuals can be found online at sram.com/service.

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

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

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

SRAM components are designed for use only on bicycles that are pedal powered or pedal assisted (e-Bike/Pedelec).

Notwithstanding anything else set forth herein, the battery pack and charger warranty does not include damage from power surges, use of improper charger, improper maintenance, or such other misuse.

This warranty shall not cover damages caused by the use of parts of different manufacturers or parts that are not compatible or suitable for use with SRAM components.

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

WEAR AND TEAR

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

WEAR AND TEAR PARTS INCLUDE:

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

ZIPP IMPACT REPLACEMENT POLICY

Zipp branded products, Model Year 2021 or newer, are covered under a lifetime impact-damage replacement policy. This policy can be used to obtain a replacement of a product in the event of non-warranty impact damage occurring while riding your bicycle. See www.zipp.com/support for more information.



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!

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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.

Part Preparation

Remove the component from the bicycle before service.

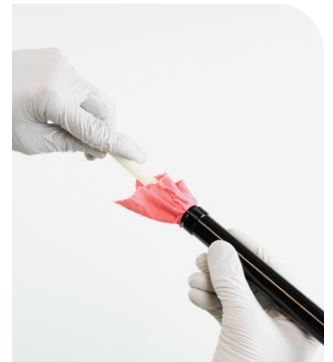
Clean the exterior of the product with mild soap and water to avoid contamination of internal sealing part surfaces.

Service Procedures

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

Clean the part with isopropyl alcohol or RockShox Suspension Cleaner 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.

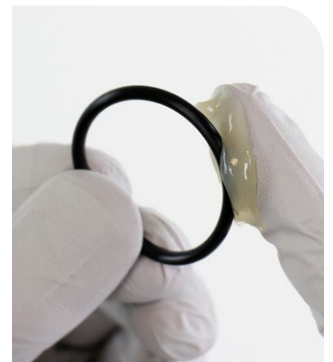
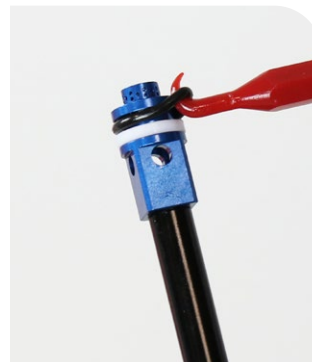


Replace the o-ring or seal with a new one from the service kit. Use your fingers or a pick to pierce and remove the old seal or o-ring.

Apply grease to the new seal or o-ring.

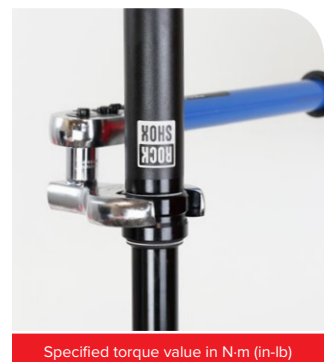
NOTICE

Do not scratch any sealing surfaces when servicing the product. Scratches can cause leaks. Consult the *RockShox Spare Parts Catalog* to replace the damaged part.



Use Reverb Vise Blocks when clamping Reverb parts 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.



Specified torque value in N-m (in-lb)

Parts, Tools, and Supplies

Parts

- Reverb AXS XPLR A1 Service Kit - 200 Hour
- Reverb AXS XPLR A1 Service Kit - 600 Hour
- Reverb AXS XPLR brass keys, quantity 3 ([use correct size](#))

Safety and Protection Supplies

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

Lubricants and Fluids

- Friction paste
- Maxima PLUSH Dynamic Suspension Lube Light
- RockShox Suspension Cleaner or isopropyl alcohol
- SRAM Butter Grease

RockShox Tools

- RockShox shock pump (600 psi max)
- Reverb Vise Blocks

Bicycle Tools

- Bicycle work stand
- Shock pump (600 psi max)

Common Tools

- Bench vise
- Crowfoot socket: 24, 30 mm
- Dowel - non-metallic
- Hex bit socket: 10 mm
- Hex wrench: 10 mm
- Magnet
- Open end wrenches: 24, 30 mm
- Pick - non-metallic
- Torque wrench
- TORX bit socket: T25
- TORX wrench: T25

SAFETY INSTRUCTIONS

Always wear safety glasses and nitrile gloves when working with grease.

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 and debris from seatpost	Extends wiper seal lifespan
		Minimizes damage to upper post
		Minimizes lower post contamination
	Inspect the upper post for scratches	Minimizes lower post contamination
	Check controller and seatpost battery levels	Ensures component operation
Every 50 Hours	Lubricate upper post and collar/wiper seal	Reduces friction
		Extends wiper seal, collar bushing, and brass key lifespan
Every 200 Hours	Replace all parts included in the <i>Reverb AXS XPLR A1 Service Kit - 200 hours</i>	Reduces friction and extends air seal lifespan
		Extends seatpost lifespan
Every 600 Hours	Replace all parts included in the <i>Reverb AXS XPLR A1 Service Kit - 600 hours</i>	Reduces friction
		Extends seatpost lifespan

Service History

Record each date of service to track service intervals.

	Service Hours Interval												
	50	100	150	200	250	300	350	400	450	500	550	600	
Date of Service													

Brass Key Size

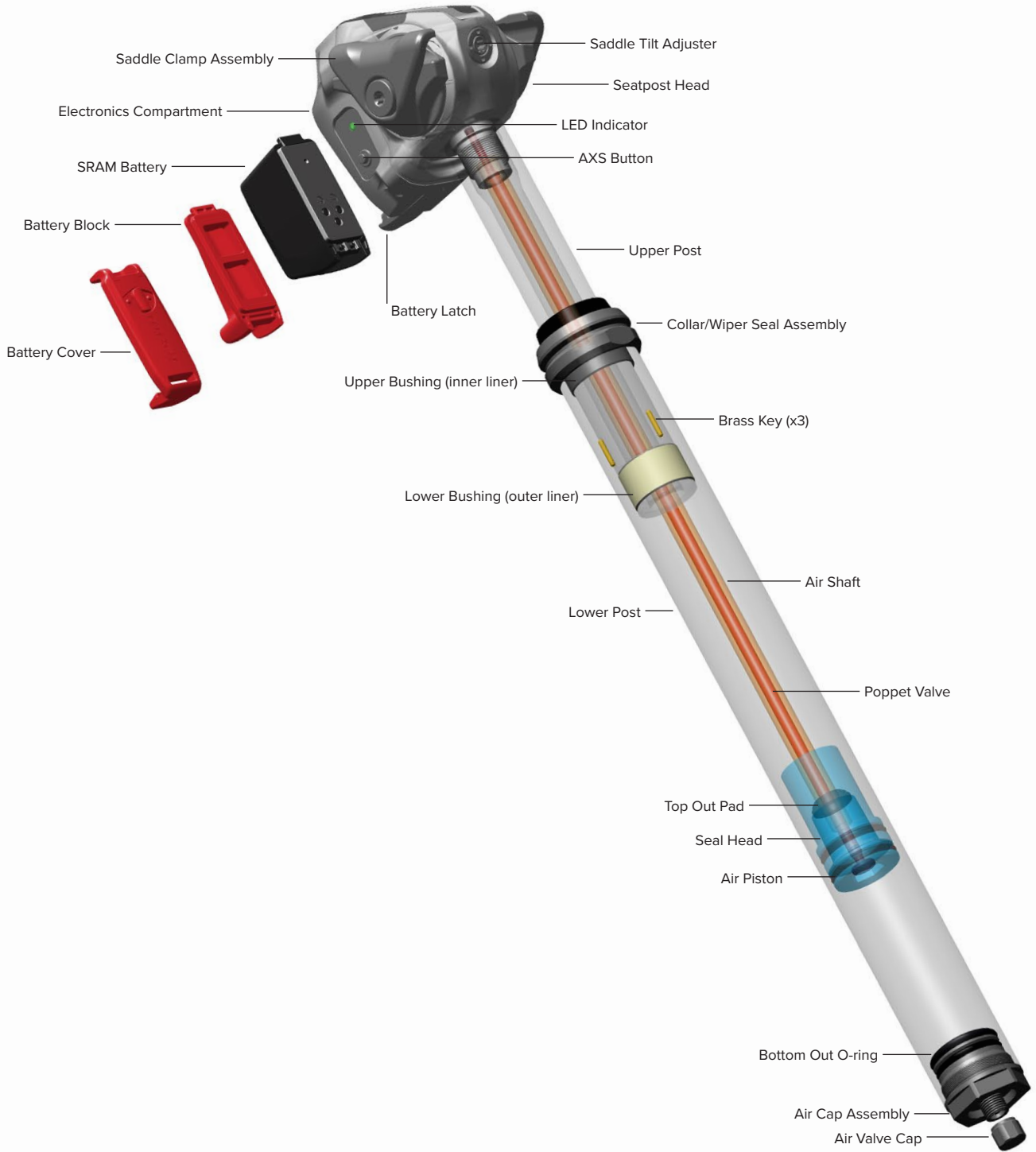
Size = Record the number of etched lines on each key. Replace with the same [size keys](#).

Torque Values

Part	Tool	Torque
Air cap assembly	24 mm socket	25 N•m (221 in-lb)
Air main piston	10 mm hex bit socket	3.5 N•m (31 in-lb)
Collar/Wiper Seal assembly	30 mm crowfoot	10 N•m (88 in-lb)
Saddle clamp bolt	T25 TORX bit socket	12 N•m (106 in-lb)
Frame seatpost collar	Various	Do not exceed 6.7 N•m (59 in-lb)

Exploded View - Seatpost

-  Air shaft
-  Seal Head and Air Piston
-  Poppet Valve

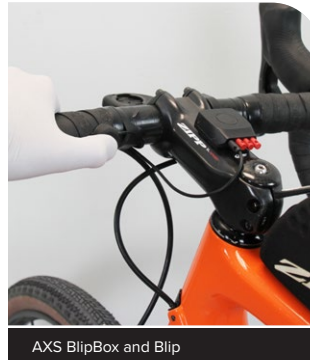
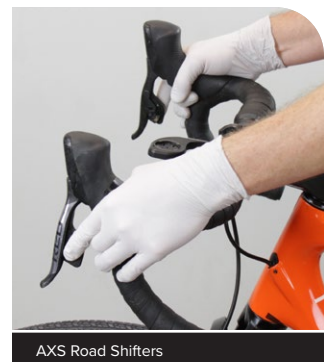


50 Hour service can be performed with the seatpost installed on the bicycle. The SRAM battery does not need to be removed.

- 1 Secure the bicycle in an upright position.



- 2 Press and hold the assigned AXS handlebar controller paddle, AXS road shifter paddles, or Blip to fully extend the seatpost.

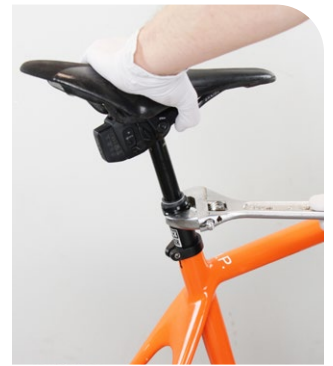
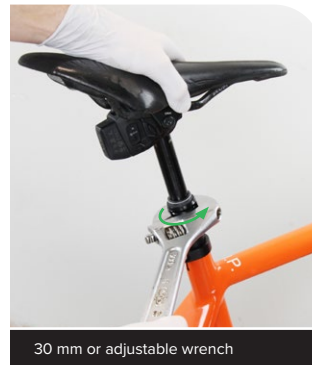


- 3 Hold the bicycle secure and unthread the collar/wiper seal assembly.

NOTICE

Do not scratch the upper post with the wrench. Scratches can damage the upper post outer surface, allow contaminants to enter the lower tube, and degrade performance.

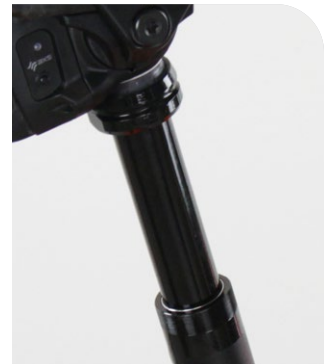
The bicycle frame seatpost clamp must be tight enough to prevent the seatpost from spinning inside the frame. If the clamp is tightened to the specified torque (do not exceed 6.7 N·m / 59 in·lb) and the seatpost moves when the seatpost collar/wiper seal assembly is loosened or tightened, remove the seatpost and clamp it into a vise with Reverb Vise Blocks.



Slide the collar/wiper seal assembly up.



- 4 Clean the upper post below the collar/wiper seal assembly with a clean lint-free shop towel.



- 5 Apply a liberal amount of grease to the upper post below the collar/wiper seal assembly.

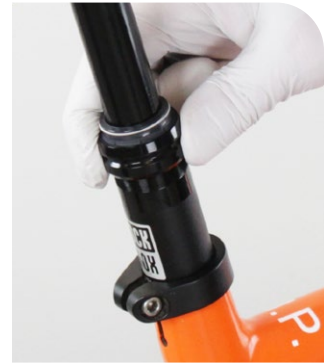


6 Slide the collar/wiper seal assembly down until it contacts the lower post threads.

Thread the collar onto the lower post by hand.

NOTICE

Do not cross-thread the collar while threading it onto the lower post. Cross-threading the collar and lower post will permanently damage the threads and the parts will need to be replaced.



7 Tighten the collar/wiper seal assembly.

NOTICE

Do not scratch the upper post with the wrench. Scratches can damage the upper post outer surface, allow contaminants to enter the lower tube, and degrade performance.

The bicycle frame seatpost clamp must be tight enough to prevent the seatpost from spinning inside the frame. If the clamp is tightened to the specified torque (do not exceed 6.7 N·m / 59 in-lb) and the seatpost moves when the seatpost collar/wiper seal assembly is loosened or tightened, remove the seatpost and clamp it into a vise with Reverb Vise Blocks.



This concludes the 50 hour service procedure.

NOTICE

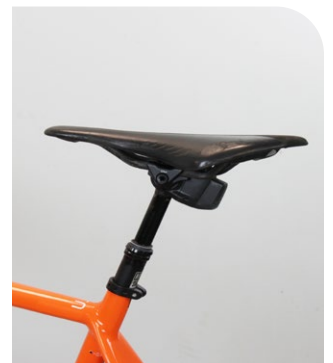
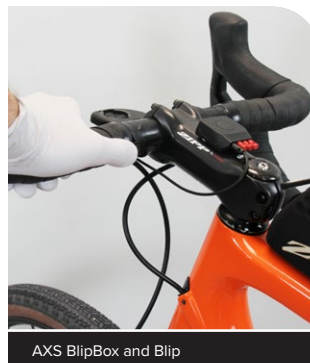
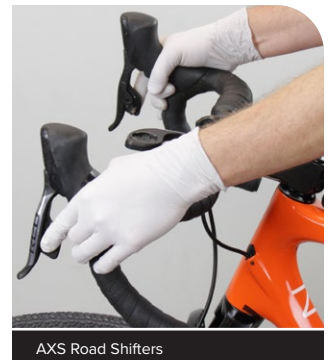
Use Reverb Vise Blocks to prevent damage to the seatpost or any seatpost components when clamping into a vise. Clamp each component only tight enough to prevent it from spinning or slipping in the vise blocks. Clean the vise blocks with isopropyl alcohol and a clean shop towel before use.

Do not attempt to disassemble the Reverb AXS XPLR seatpost electronics compartment assembly. Disassembly may cause permanent damage to electronic components.

- 1 Secure the bicycle in an upright position.
The seatpost will be removed from the bicycle. Do not clamp the seatpost in a bicycle work stand before removal.



- 2 Press and hold the assigned AXS handlebar controller paddle, AXS road shifter paddles, or Blip to fully extend the seatpost.



- 3 Open the battery latch and remove the SRAM battery.



- 4** Install the battery cover onto the battery.
Install the battery block into the seatpost battery slot and close the battery latch.

NOTICE

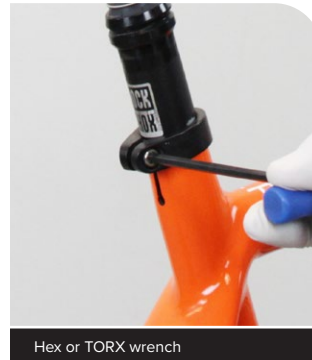
To avoid damage to the seatpost electronics, do not perform service until the battery is removed from the seatpost.



- 5** Remove the saddle from the seatpost.



- 6** Remove the seatpost from the bicycle frame.



 Proceed to [200/600 Hour Service](#).

NOTICE

Use Reverb Vise Blocks to prevent damage to the seatpost or any seatpost components when clamping into a vise. Clamp each component only tight enough to prevent it from spinning or slipping in the vise blocks. Clean the vise blocks with isopropyl alcohol and a clean shop towel before use.

- 1** Clamp the lower post in the Reverb Vise Blocks with the seatpost head oriented upward.

Unthread the collar/wiper seal assembly.



30 mm or adjustable wrench

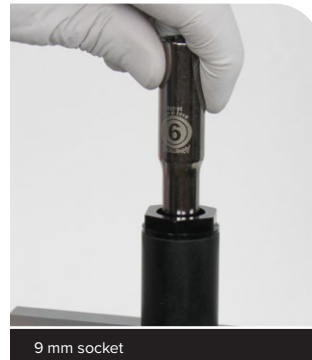


Slide the collar/wiper seal assembly up.



- 2** Remove the seatpost from the vise. Clamp the seatpost back in the Reverb Vise Blocks with the seatpost head oriented downward.

Remove the air valve cap.



9 mm socket



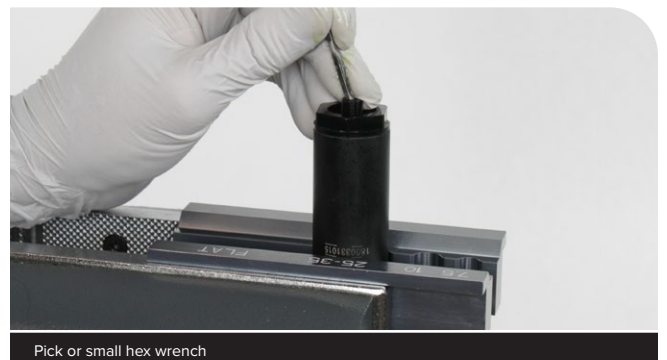
- 3** The seatpost must be **completely** depressurized before seatpost disassembly.

Depress the Schrader valve and release all air pressure from the air chamber.

⚠ WARNING - EYE HAZARD

Wear safety glasses and keep your eyes and face away from the air valve. Keep your face and eyes away from the air valve when deflating the seatpost.

Verify all air pressure is removed from the seatpost before proceeding. Removal of the air cap assembly prior to depressurization can cause the air cap assembly to separate from the seatpost at high velocity during disassembly, and may cause serious injury and damage to the seatpost.



Pick or small hex wrench

4 Unthread and remove the air cap assembly.

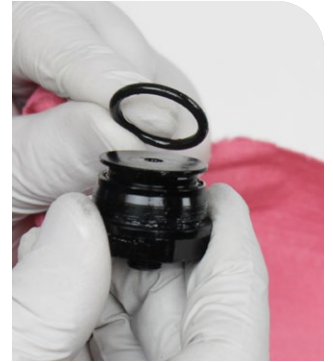
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Wear safety glasses and keep your eyes and face away from the air valve. Keep your face and eyes away from the air valve when deflating the seatpost.

Verify all air pressure is removed from the seatpost before proceeding. Removal of the air cap assembly prior to depressurization can cause the air cap assembly to separate from the seatpost at high velocity during disassembly, and may cause serious injury and damage to the seatpost.



Remove the air cap o-ring and discard it.



Clean the air cap assembly.



5 Push the upper post assembly up until it stops.



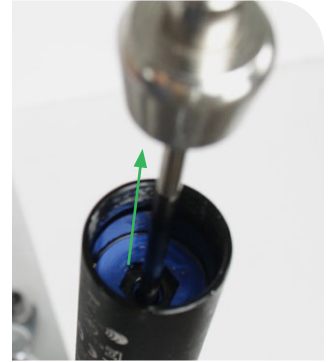
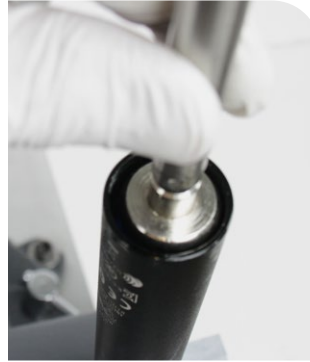
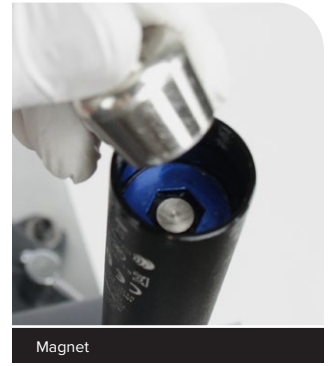
Remove the bottom out o-ring and discard it.



6 Pull the poppet valve up with a magnet.

NOTICE

Only use a magnet to remove the poppet valve. Do not use any other tool which could cause damage to the air piston, seals, and poppet valve.



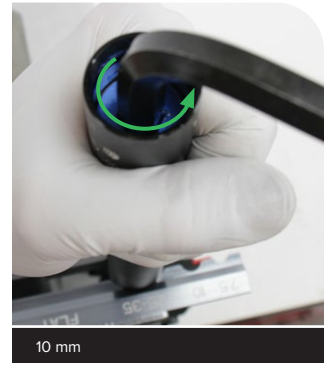
Remove the poppet valve.



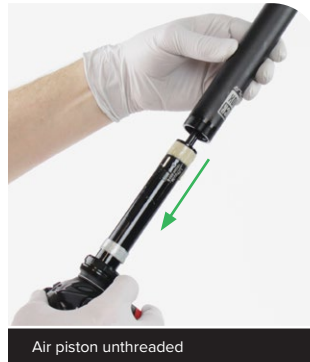
Clean the poppet valve and set it aside.



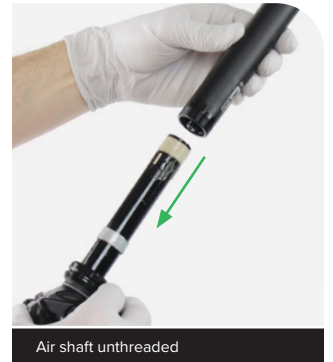
7 Unthread the air piston until it is completely unthreaded.



8 Remove the seatpost from the vise.
Remove the upper seatpost assembly from the lower tube.



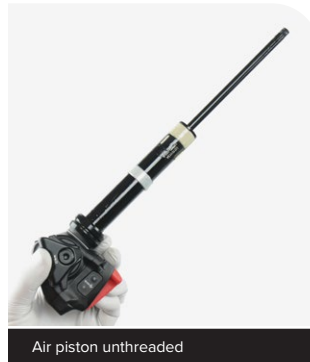
Air piston unthreaded



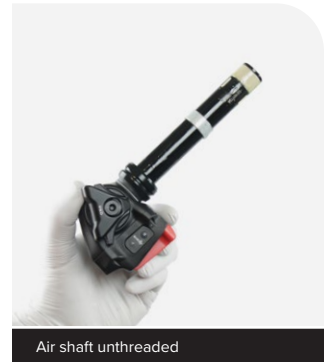
Air shaft unthreaded

The air shaft is threaded on **both ends**. One end is threaded into the seatpost head. The air piston is threaded onto the other end. Both ends of the air shaft are tightened to the same torque specification.

When the air piston is unthreaded (step 7), either the air shaft will unthread from the seatpost head (internally), or the air piston will unthread from the air shaft. Results will vary.



Air piston unthreaded

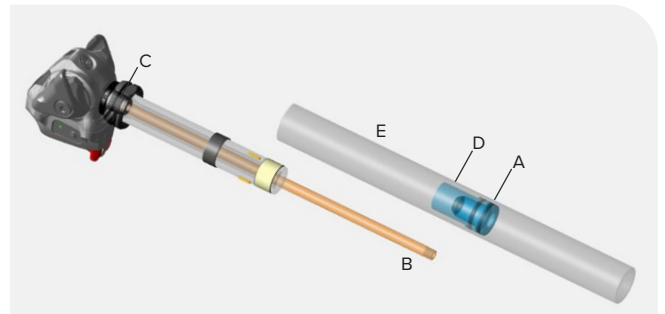


Air shaft unthreaded

9a

If the (A) air piston unthreaded from the (B) air shaft, the other end of the air shaft will still be threaded into the (C) seatpost head.

The (A) air piston and the (D) seal head will remain inside the (E) lower post.



Air piston unthreaded from air shaft

Clamp the air shaft, nearest to the upper post, into the Reverb Vise Blocks with the seatpost head oriented downward.

Unthread one quarter turn by hand and loosen the seatpost head from the air shaft.

NOTICE

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



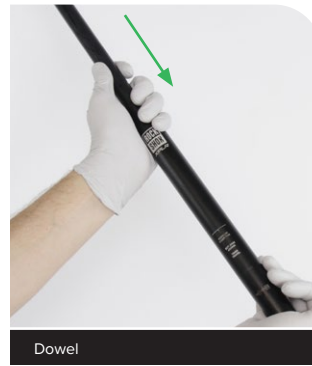
Remove the air shaft from the vise blocks.



Unthread the air shaft completely and remove it.



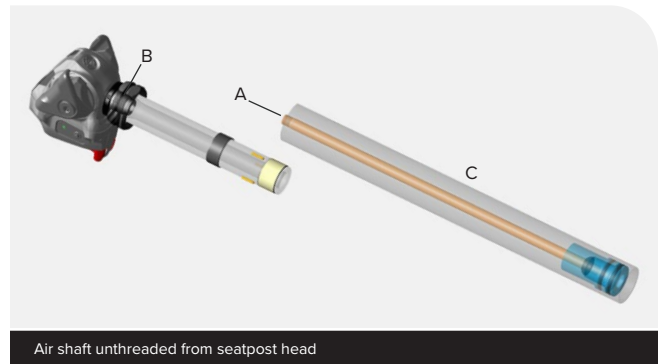
Push the seal head, top out pad, and air piston out of the lower post with a dowel.



Remove the air piston and top out pad from the seal head.



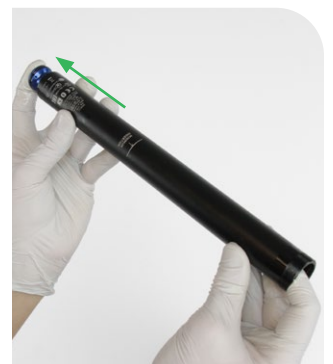
9b If the (A) air shaft unthreaded from the (B) upper post/seatpost head assembly, the assembled air shaft, seal head, and air piston will be inside the (C) lower post when the upper post/seatpost head assembly is removed from the lower post.



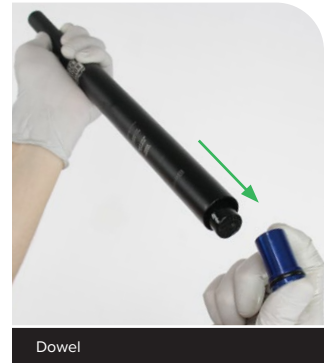
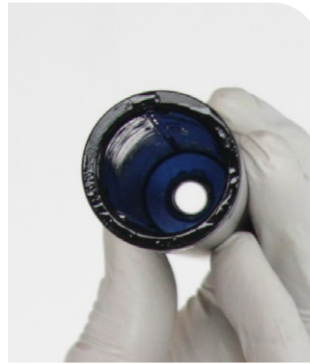
Air shaft unthreaded from seatpost head

Push the air shaft through the lower post and remove the assembled air shaft/air piston assembly from the lower post.

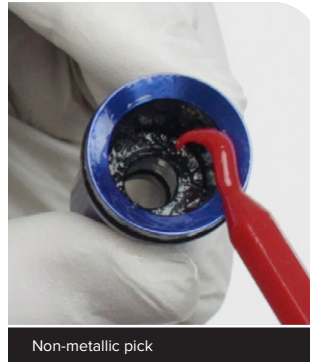
The seal head and top out pad will remain inside the lower post.



Push the seal head and top out pad out of the lower post with a dowel.



Remove the top out pad from the seal head.



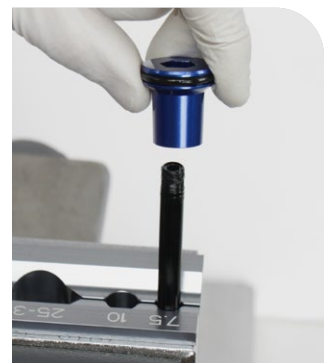
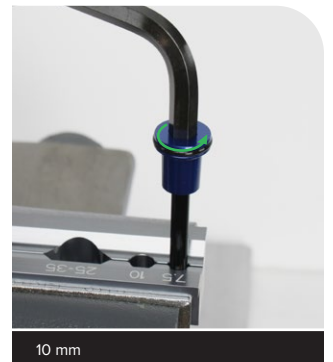
Clean the air shaft.

Clamp the air shaft assembly in the Reverb Vise Blocks with the air piston oriented upward.

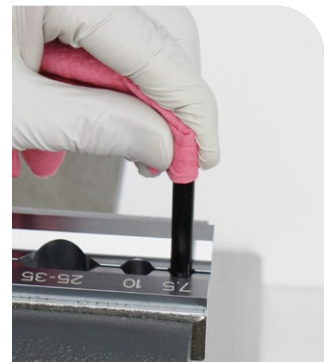
Remove the air piston.

NOTICE

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



Clean the threaded end of the air shaft.



Proceed to [200 Hour Service - Seal Head and Air Piston Service](#).

Proceed to [600 Hour Service - Seal Head and Air Piston Service](#).

For optimal performance, soak each new o-ring in Maxima PLUSH Dynamic Suspension Lube Light before applying SRAM Butter and installing it onto the part.



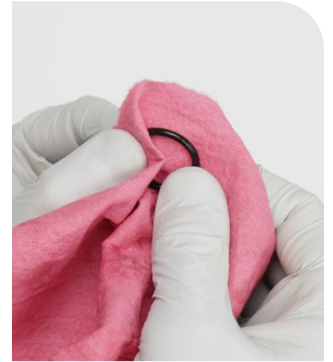
Maxima PLUSH Dynamic Suspension Lube Light

- 1 Remove the large outer o-ring from the air piston and clean it.
Replace the o-ring if it is worn or damaged (600 hour kit required).

NOTICE

Do not damage the o-ring. Damage will cause air to leak and reduce performance.

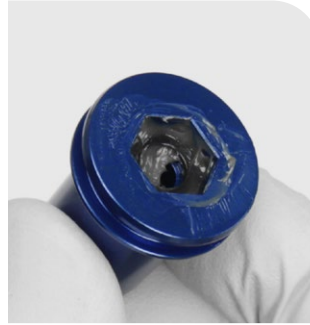
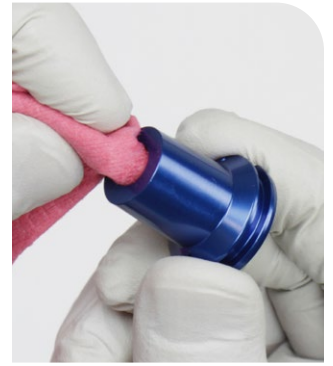
Do not scratch the o-ring gland. Surface scratches can cause leaks and reduce performance.



Clean the o-ring gland.



- 2** Clean the inner air piston seals.
 Apply grease to the inner seals.
 Replace the air piston assembly if the air piston or inner seals are worn or damaged (600 hour kit required).



SRAM Butter Grease



SRAM Butter Grease

- Apply grease to the outer o-ring and install it back onto the air piston.
 Replace the air piston assembly if the air piston or o-ring is worn or damaged (600 hour kit required).



SRAM Butter Grease

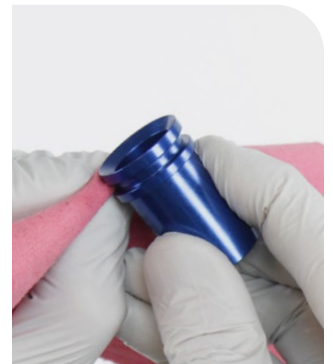


- 3** Remove the large outer o-ring from the seal head and clean it.
 Clean the o-ring gland.
 Replace the seal head assembly if the seal head or o-ring is worn or damaged (600 hour kit required).

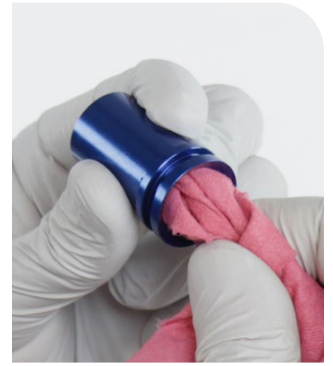
NOTICE

Do not damage the o-ring. Damage will cause air to leak and reduce performance.

Do not scratch the o-ring gland. Surface scratches can cause leaks and reduce performance.



4 Clean the seal head inner seals.



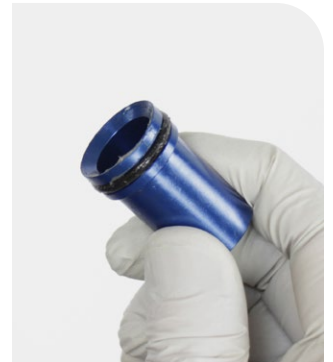
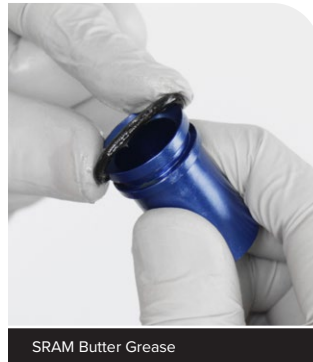
Apply grease to the inner seals.

Replace the seal head assembly if the seal head or inner seals are worn or damaged (600 hour kit required).

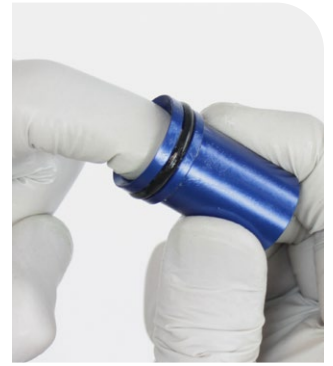


5 Apply grease to the o-ring and install it back onto the seal head.

Replace the seal head assembly if the seal head or o-ring is worn or damaged (600 hour kit required).



- 6** Insert the top out pad into the seal head, tapered end first. Seat it into the seal head securely into place.



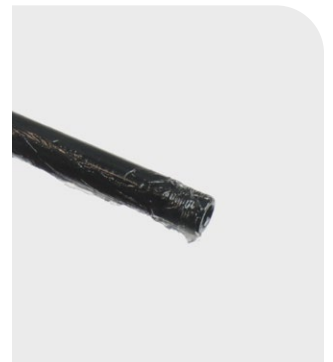
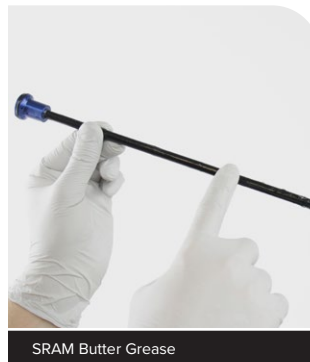
Check and confirm the top out pad is seated flush in the correct orientation before proceeding.



- 7** Apply grease to the shaft threads.
Install the air piston onto the air shaft and tighten it finger tight. Do not torque.
Remove the air shaft from the vise.



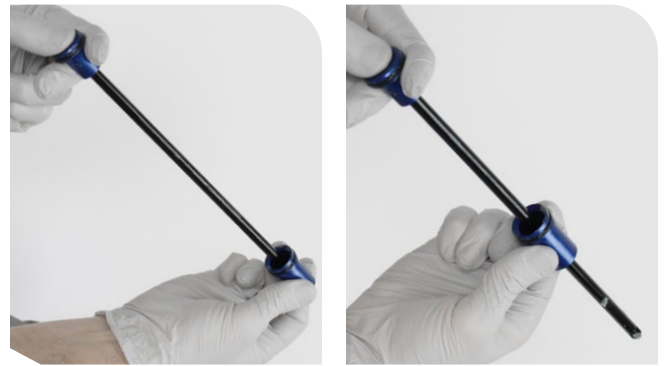
- 8** Apply grease to the entire air shaft including the shaft threads.



- 9 Carefully install the seal head onto the threaded end of the air shaft, outer o-ring/open end first.

NOTICE

Do not cut the inner o-ring during installation. Damage to the o-ring can cause air to leak.



Slide the seal head until it stops against the air piston.



- 10 Apply additional grease to the air piston o-ring and the seal head o-ring.



SRAM Butter Grease

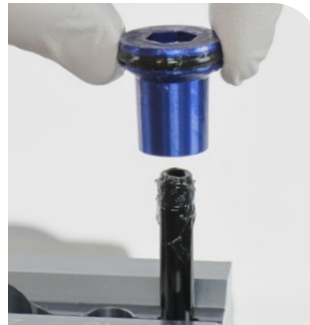
Proceed to [200/600 Hour Service - Upper Post Service](#).

- 1 Apply grease to the new air piston assembly seals.

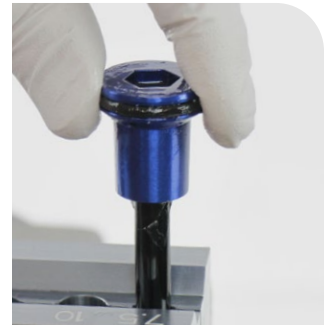


SRAM Butter Grease

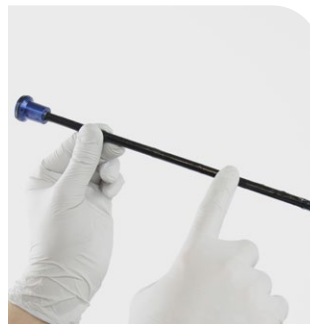
- 2 Apply grease to the shaft threads.
Install the air piston onto the air shaft and tighten it finger tight. Do not torque.
Remove the air shaft from the vise.



SRAM Butter Grease



- 3 Apply grease to the entire air shaft including the shaft threads.



SRAM Butter Grease



- 4 Apply grease to the inside of the new seal head assembly seals.



SRAM Butter Grease

- 5** Insert a new top out pad into the seal head, tapered end first. Seat it into the seal head securely into place.



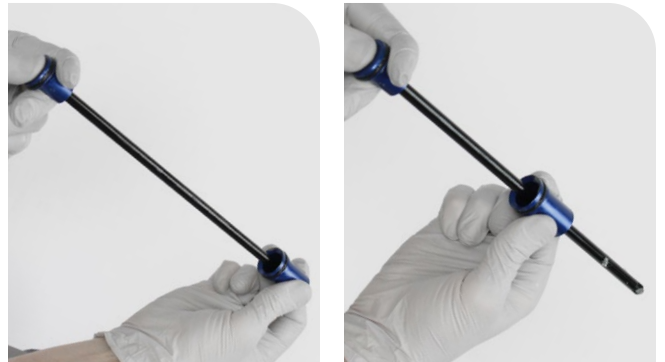
Check and confirm the top out pad is seated flush in the correct orientation before proceeding.



- 6** Carefully install the seal head onto the threaded end of the air shaft, outer o-ring/open end first.

NOTICE

Do not cut the inner o-ring during installation. Damage to the o-ring can cause air to leak.



Slide the seal head until it stops against the air piston.

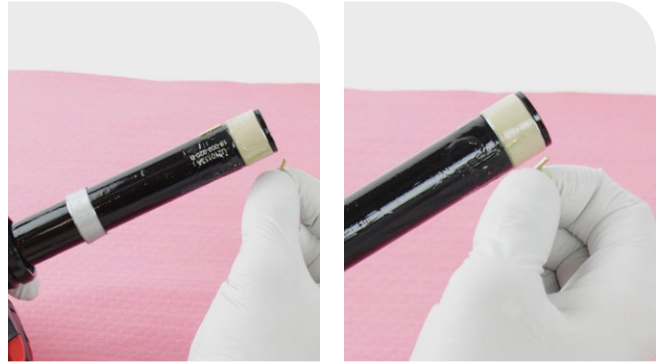


- 7 Apply additional grease to the air piston o-ring and the seal head o-ring.



SRAM Butter Grease

- 1 Remove the three brass keys from the upper post.



On [page 7](#), record the number of lines, which indicate key size, marked on the brass keys for future reference. If worn, the brass keys must be replaced with new brass keys of the same size. The Reverb AXS XPLR Brass Keys (qty 3) kit is required if the keys are worn.

Refer to the *RockShox Spare Parts Catalog* for available brass key kits.

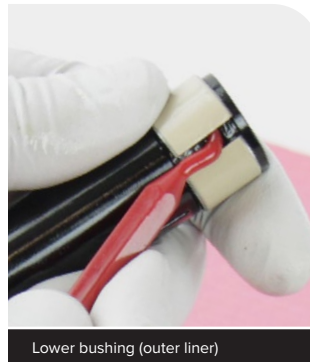


Example: 3 lines = size 3 key

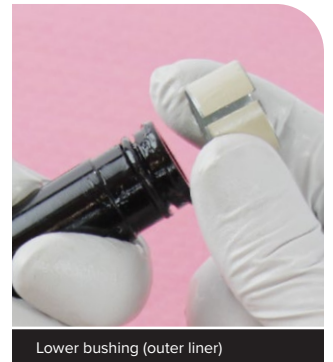
- 2 Carefully remove the upper and lower bushings from the upper post and discard them.

NOTICE

Do not scratch the upper post. Scratches may allow contaminants past the wiper seal which will degrade performance.



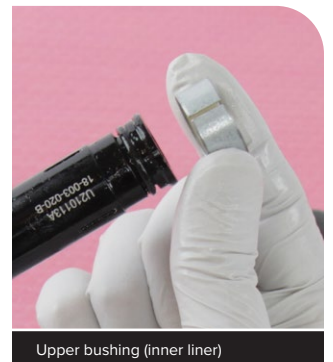
Lower bushing (outer liner)



Lower bushing (outer liner)

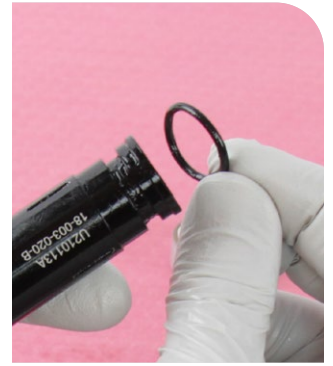


Upper bushing (inner liner)



Upper bushing (inner liner)

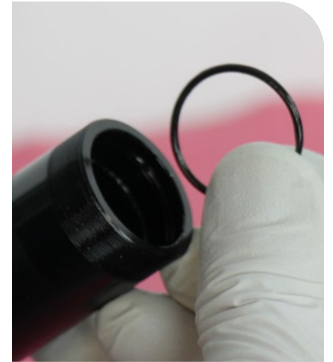
- 3 Remove the lower bushing energizer o-ring from the upper post and discard it.



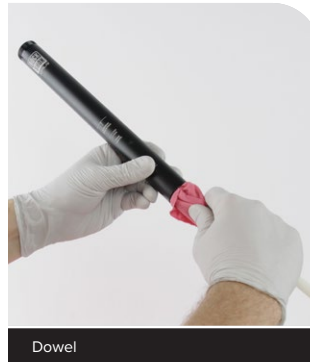
Remove the upper bushing energizer o-rings (x2) from the lower post and discard them.



Pick (non-metallic)



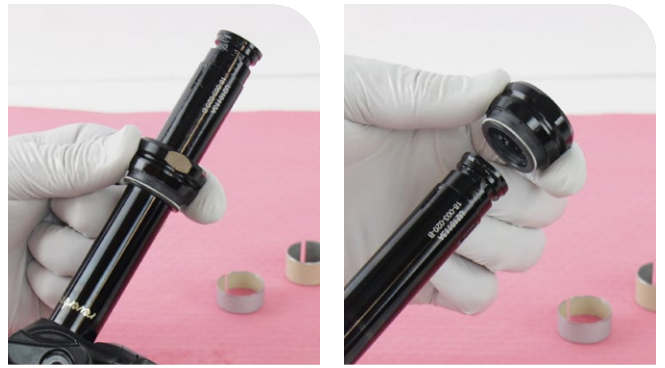
- 4 Clean the inside of the lower post and the o-ring glands.



Dowel



- 5** **200 Hour:** Remove the collar/wiper seal assembly and clean it.
600 Hour: Remove the collar/wiper seal assembly and discard it.



- 6** Clean the upper post.



Clean the upper post o-ring gland.

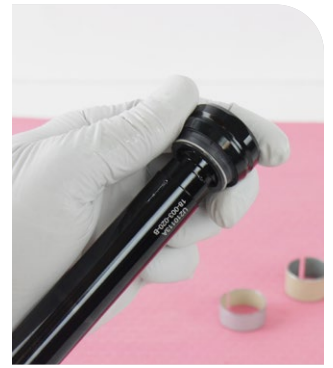


- 7** **200 Hour:** Apply grease to the inside surface of the original collar/wiper seal assembly.
600 Hour: Apply grease to the inside surface of a new collar/wiper seal assembly.

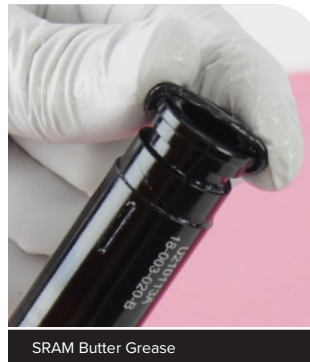


SRAM Butter Grease

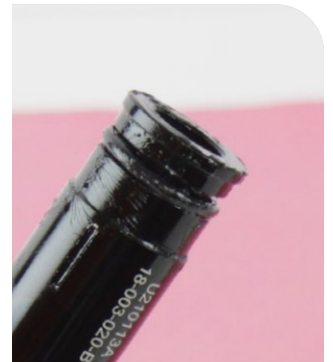
- 8 Carefully install the collar/wiper seal assembly onto the upper post. Push the wiper seal past the bushing gland and onto the upper post. Slide the collar until it stops against the seatpost head.



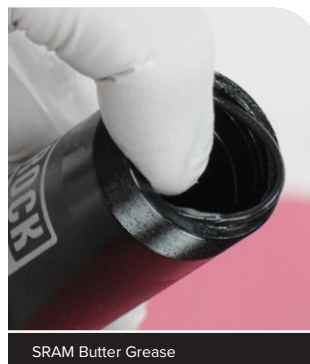
- 9 Apply grease to a new lower bushing energizer o-ring and install it onto the upper post.



SRAM Butter Grease



Apply grease to new upper bushing energizer o-rings (x2) and install them into the lower post o-ring gland.



SRAM Butter Grease

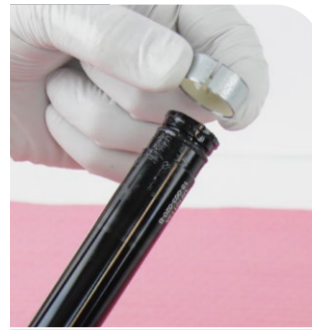


10 Install a new upper bushing onto the upper post first.

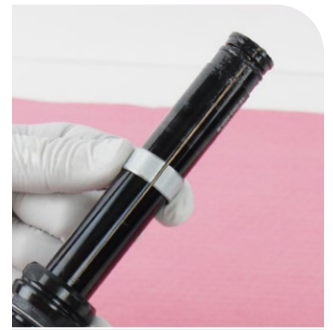
NOTICE

Do not scratch the upper post. Scratches may allow contaminants past the wiper seal which will degrade performance.

Install a new lower bushing onto the upper post and secure it into the lower bushing gland. Pinch the bushing tight in the gland.



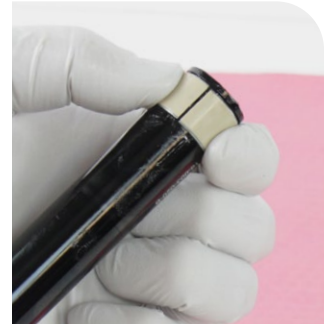
Upper bushing (inner liner)



Upper bushing (inner liner)



Lower bushing (outer liner)



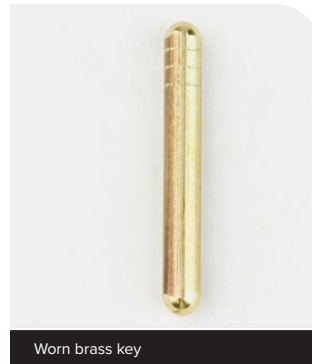
Lower bushing (outer liner)

NOTICE

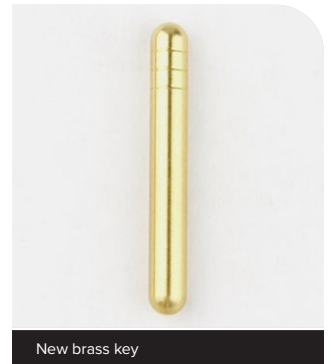
Side-to-side movement between the inner and outer posts is an indication that the brass keys are worn and need to be replaced. Vertical lines on the key are an indication that the key is worn.

New brass keys must be of the same size and have the same number of etched lines as the original brass keys for proper function.

Refer to the *RockShox Spare Parts Catalog* at www.sram.com/service for a list of brass key kits available.



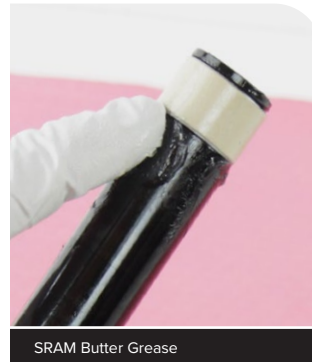
Worn brass key



New brass key

- 1 Apply a liberal amount of grease onto each key slot and onto the upper post.

Install the three brass keys into the key slots. The orientation of the brass keys is not critical.



SRAM Butter Grease

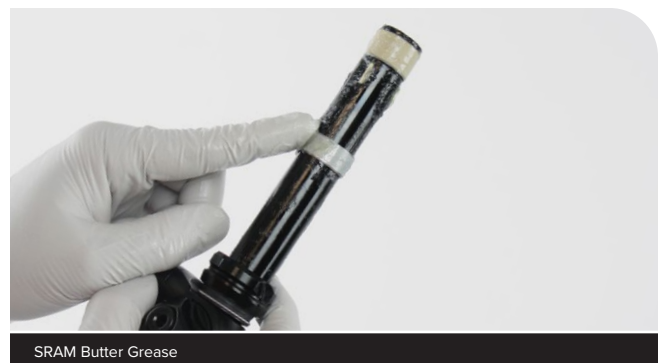


SRAM Butter Grease

- 2 Apply a liberal amount of grease onto the brass keys, bushings, and the upper post.



SRAM Butter Grease



SRAM Butter Grease

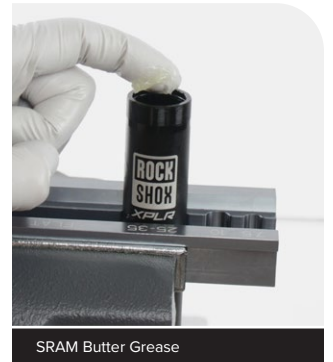
- 1** Align the brass keys with the lower post key slots. Ensure the laser etched RockShox logo on the lower post is aligned with the back of the seatpost head.



Key slots

Clamp the lower post into the Reverb Vise Blocks with the RockShox logo and key slots oriented upward.

Apply grease to the inside of the lower post the length of the key slots.



SRAM Butter Grease

- 2** Insert the upper post into the lower post, lower bushing first. Pinch the bushing and gently seat the lower bushing into the lower post by rocking and pressing down slightly until the bushing edges clear the stepped edge inside the lower post. Stop when the bushing is inserted and clears the inner post step.

NOTICE

During installation, ensure the lower bushing does not come out of the upper post gland. The lower bushing can become permanently damaged if dislodged during installation and must be replaced.

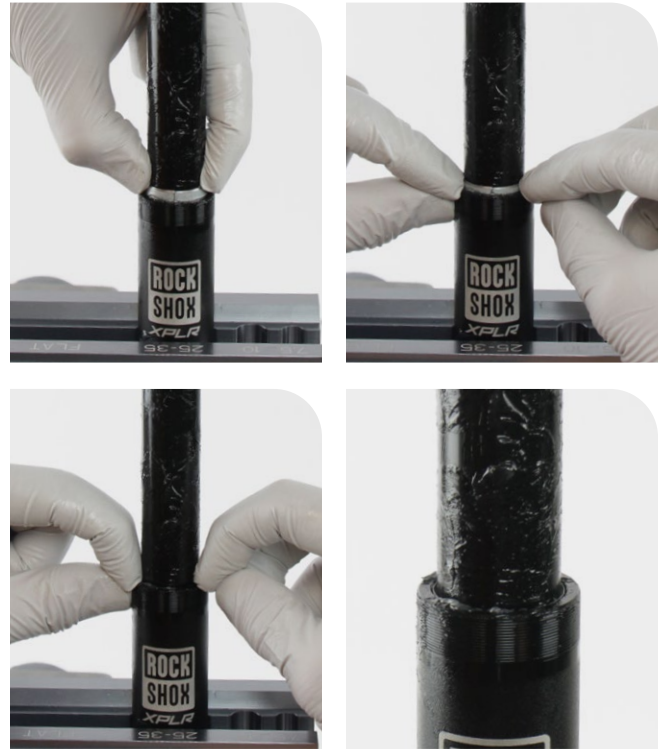


- 3** Hold each brass key in place and slide the upper post assembly down and into the lower post until the brass keys engage the lower post key slots.

Continue to push the upper post down into the lower post about half way.



- 4 Push the upper bushing into the lower post while pinching it together to clear the edge of the lower post.



- 5 Slide the collar/wiper seal assembly down until it contacts the lower post threads.



Wrap a shop towel around the collar/wiper seal assembly for grip when engaging the threads. Press down firmly and carefully thread the collar onto the lower post by hand. Continue until the collar is hand tight.

NOTICE

Do not cross-thread the collar while threading it onto the lower post. Cross-threading the collar and lower post will permanently damage the threads and the parts will need to be replaced.



6 Tighten the collar/wiper seal assembly.

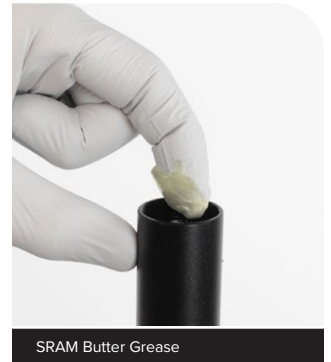
NOTICE

Do not scratch the upper post with the wrench. Scratches can damage the upper post outer surface, allow contaminants to enter the lower tube, and degrade performance.



- 1** Clamp the lower post into the Reverb Vise Blocks, with the seatpost head oriented downward.

Apply grease to the inside surface of the lower post approximately 30 mm down.

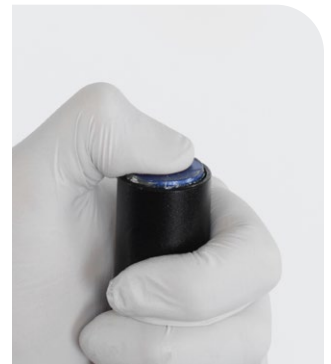


SRAM Butter Grease

- 2** Insert the air shaft/piston/seal head assembly into the lower post, threaded shaft end first. Use your fingers to guide and protect the air shaft from getting scratched during installation.

NOTICE

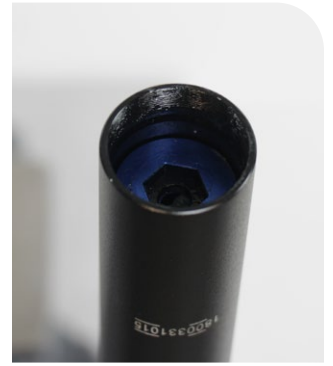
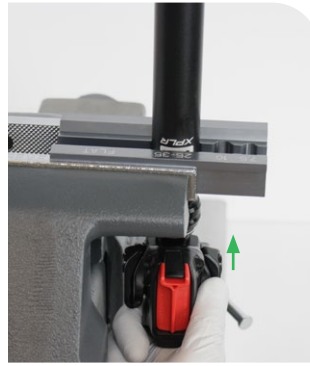
Do not scratch the air shaft. Scratches will cause air to leak.



- 3** Press the seal head and air piston into the lower post.
Push the air piston down into the lower post until the shaft end contacts the seatpost head inside the upper post.
Push the upper post up to make contact if needed.



- 4 Push the upper post up until it stops. The air piston should be just below the lower post inner threads.



- 5 Thread the air piston into the upper post/seatpost head while holding the seatpost head to prevent it from being pushed down.

Note: When the air piston is tightened, the other end of the air shaft will also be tightened to the correct torque onto the seatpost head inside the upper post.

NOTICE

Do not over-tighten the air piston. Over-tightening can damage the air piston, air shaft, and seatpost head.



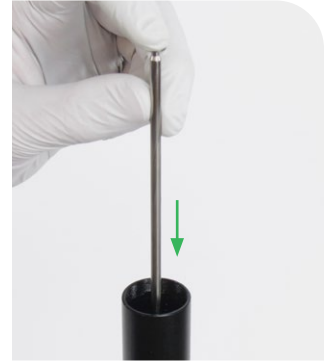
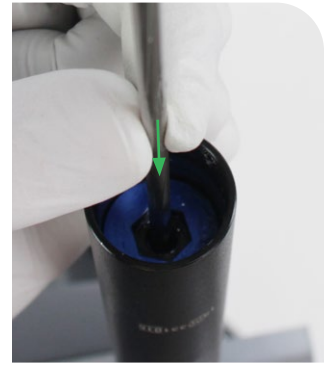
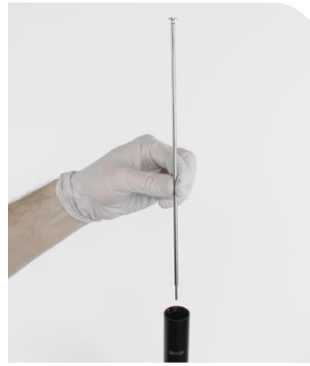
- 6 Apply a light coat of grease to the entire length of the poppet valve shaft.



7 Insert the poppet valve into the air shaft, through the air piston.

NOTICE

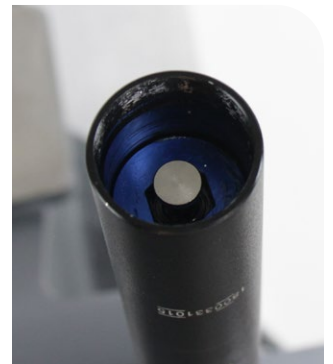
The poppet valve must be installed at this step. Failure to install the poppet valve will cause permanent damage to the seatpost if it is pressurized without the poppet valve installed.



Press the poppet valve into the air shaft until the top of the poppet valve is approximately 10 mm from the air piston. The top of the poppet valve should **not** contact the air piston.

NOTICE

To avoid a potential trapped internal air pocket during pressurization, which can affect function, do not press the poppet valve fully into the air piston.



8 Extend the seatpost to full extension/top out after the poppet valve is installed.



9 Confirm the poppet valve is installed and that it is **NOT** engaged completely into the air piston before installing the o-ring.

Insert a new bottom out o-ring into the lower post. Gently push the bottom out o-ring down until it rests on top of the air piston. Confirm the bottom out o-ring is installed flat and square onto the air piston.

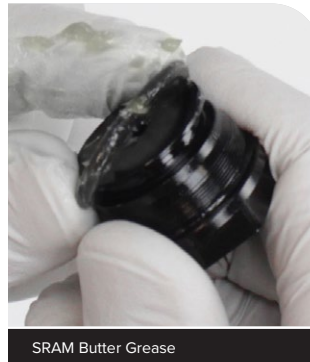
Do not contact or push the poppet valve down when installing the bottom out o-ring.

NOTICE

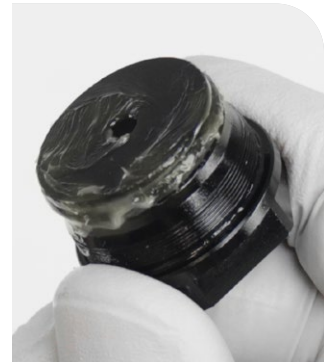
The poppet valve must be installed at this step. Failure to install the poppet valve will cause permanent damage to the seatpost if it is pressurized without the poppet valve installed.



10 Apply grease to a new air cap assembly o-ring and install it onto the air cap.



SRAM Butter Grease

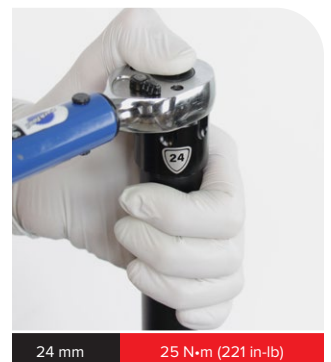


11 Confirm the poppet valve is installed before installing the air cap.

NOTICE

The poppet valve must be installed at this step. Failure to install the poppet valve will cause permanent damage to the seatpost if it is pressurized without the poppet valve installed.

Thread the air cap assembly into the lower post and tighten it.
Wipe away any excess grease.



24 mm

25 N·m (221 in·lb)

- 12** Confirm the poppet valve is installed. Check your work area once more and confirm the poppet valve is installed before pressurizing the seatpost.

NOTICE

The poppet valve must be installed at this step. Failure to install the poppet valve will cause permanent damage to the seatpost if it is pressurized without the poppet valve installed.

Pressurize the seatpost to the rider's total weight (lb), including riding gear, times two.

Rider's total weight (lb) x 2 = Seatpost air pressure (PSI)

Example: 200 lbs x 2 = 400 PSI

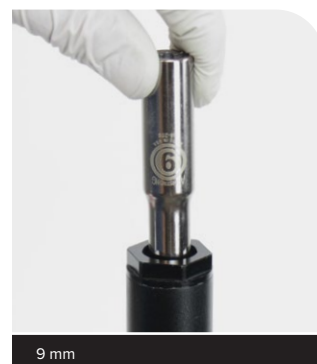
Decrease air pressure as desired to increase compliance when the post is lowered less than full extension. See the *Reverb AXS / Reverb AXS XPLR User Manual* for more details.

NOTICE

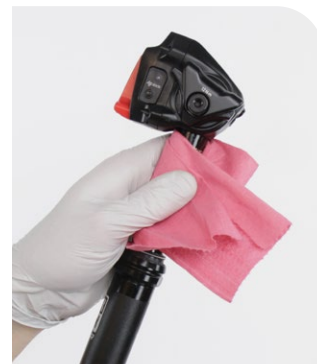
To avoid permanent damage to the seatpost, do not pressurize less than 200 PSI, or more than 500 PSI.



- 13** Install the air valve cap finger tight.



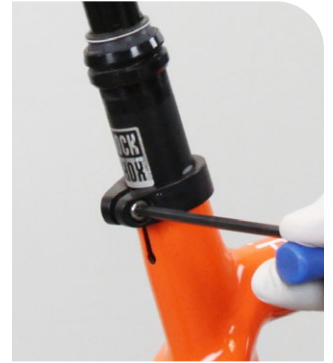
- 14** Remove the seatpost from the vise.
Clean the entire seatpost.



1 Secure the bicycle in an upright position.

Install the seatpost and saddle.

Consult the *Reverb AXS / Reverb AXS XPLR User Manual* at www.sram.com/service for seatpost and saddle installation procedures.

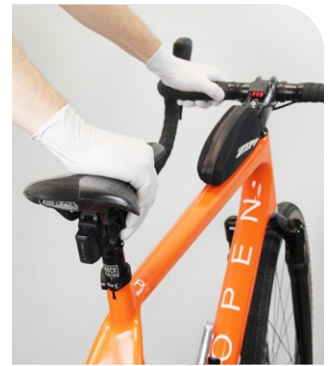
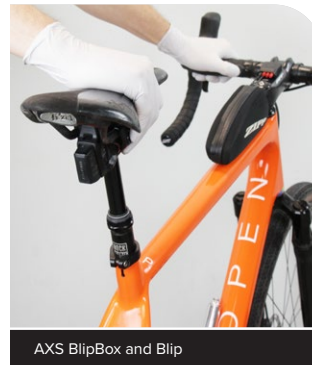
**2** Open the battery latch and remove the battery block.

Remove the battery cover from the SRAM battery.

Install the battery into the seatpost and close the latch.



- 3** Press and hold the assigned AXS controller paddle, AXS road shifter paddles, or Blip and push down on the saddle to test function.



This concludes service for the RockShox Reverb AXS XPLR adjustable height seatpost.

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