Reverb™ Stealth

A2 & B1

service manual

SRAM

GEN.0000000005341 Rev D

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.

<u>WEAR AND TEAR PARTS INCLUDE:</u>

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

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 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.

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 **only** SRAM Butter 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.

Product Identification - Reverb™ Stealth

Production versions of Reverb Stealth can be identified visually. Your Reverb Stealth can be identified by the color of the speed adjuster and graphic on the upper post.

A2 - Remote - Black Speed Adjuster


A2 - Upper Post - No RockShox® Logo

B1 - Remote - Black Speed Adjuster


B1 - Reverb 1x™ Remote

B1 - Upper Post - RockShox Logos

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.

Reverb™ Stealth A2		
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 remote hydraulic pressure	Ensures proper remote actuation function
Every 50 Hours	Remove the lower post, clean, inspect and replace brass keys as needed, and apply new grease	Reduces friction
		Extends wiper seal, top cap bushing, and brass key lifespan
	Perform remote lever bleed	Ensures proper remote actuation function
Every 200 Hours	Replace all parts included in the *Reverb Stealth A2 Service Kit - 200 hours*	Restores hydraulic system and function
	Perform full hydraulic remote system bleed	Ensures proper remote actuation function

Reverb Stealth B1		
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 remote hydraulic pressure	Ensures proper remote actuation function
Every 50 Hours	Remove the lower post, clean, inspect and replace brass keys as needed, and apply new grease	Reduces friction
		Extends wiper seal, top cap bushing, and brass key lifespan
	Perform remote lever bleed	Ensures proper remote actuation function
Every 200 Hours	Replace all parts included in the *Reverb Stealth B1 Service Kit - 200 hours*	Reduces friction
		Extends seatpost lifespan
	Perform full hydraulic remote system bleed	Ensures proper remote actuation function
Every 400 Hours	Replace all parts included in the *Reverb Stealth B1 Service Kit - 400 hours.*	Restores hydraulic system and function
	Perform full hydraulic remote system bleed	Ensures proper remote actuation function

Service History

Record each date of service to track service intervals.

	Service Hours Interval							
	50	100	150	200	250	300	350	400
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
Poppet valve housing	11 mm open end wrench	5.7-7.9 N•m (50-70 in-lb)
Internal seal head	23 mm open end wrench	28 N•m (250 in-lb)
Poppet valve cover	10 mm open end wrench	5.7-7.9 N•m (50-70 in-lb)
Top cap assembly	34 mm open end wrench	27-29 N•m (238-256 in-lb)
Base plate lock ring	26 mm open end wrench	5.7-7.9 N•m (50-70 in-lb)
Post hose barb sleeve	6 mm open end wrench	1.1-2.3 N•m (8-20 in-lb)
Post hose barb	7 mm open end wrench	3.4-4.5 N•m (30-40 in-lb)
Connectamajig™ coupler	9 mm open end wrench	3.4-4.5 N•m (30-40 in-lb)
Connectamajig hose coupler	6 mm open end wrench	1.1-2.9 N•m (10-26 in-lb)
Post barb strain relief nut	13 mm and 15 mm open end wrenches	8-9 N•m (70-80 in-lb)
Post bleed screw	T10 TORX® wrench	1.1-2.2 N•m (10-20 in-lb)
Remote bleed screw (standard)	T10 TORX wrench	1.1-2.2 N•m (10-20 in-lb)
Reverb™ 1x™ Remote barb strain relief nut	13 mm open end or box wrench	8-9 N•m (70-80 in-lb)
Seatpost collar	Various	Do not exceed 6.7 N•m (59 in-lb)
Saddle clamp bolts	4 mm hex wrench	8-10 N•m (70-89 in-lb)
Remote lever hose barb (standard)	6 mm open end or box wrench	2.9-3.5 N•m (25-30 in-lb)
Remote lever clamp	T25 TORX wrench	2.8-3.4 N•m (25-30 in-lb)

Parts, Tools, and Supplies

Parts

- Reverb™ Stealth B1 Service Kit - 200 hours
- Reverb Stealth B1 Service Kit - 400 hours
- Reverb Stealth A2 Service Kit - 200 hours
- Reverb brass keys, quantity 3 (use correct size)
- Reverb remote lever hose barb (optional)

Safety and Protection Supplies

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

Lubricants and Fluids

- Friction paste
- Isopropyl alcohol or RockShox® Suspension Cleaner
- RockShox Reverb hydraulic fluid (included with RockShox Bleed kit)
- SRAM® Butter (grease)

RockShox Tools

- Reverb IFP Height Tool
- RockShox Bleeding Edge™ Tool (Reverb 1x™ Remote)
- RockShox Bleed kit
- RockShox Oil Level Adjuster
- RockShox shock pump (300 psi max)
- RockShox vise block inserts (3-hole)

Bicycle Tools

- Bicycle work stand
- Park Tool® AV-5 Axle and Spindle Vise Inserts

Tools

- Adjustable open end wrench (≤ 34 mm) (optional)
- Bench vise
- Crowfoot sockets: 7, 9, 10, 11, 13, 15, 23, 26, 34 mm
- Dowel - non-metallic
- Flat soft jaw vise inserts (aluminum)
- Hex bit socket: 4 mm
- Hex wrenches: 1.5, 4 mm
- Metric tape measure or ruler
- Needle nose pliers
- Open end wrenches: 6, 7, 9, 10, 11, 13, 15, 23, 26, 34 mm
- Pick
- Plastic cable ties (quantity 7-10, 15-20 cm length)
- Plastic mallet
- Retaining ring pliers (A2)
- Socket: 9 mm
- Socket wrench
- Torque wrench (see Torque Values chart for range)
- TORX® bit sockets: T10, T25
- TORX wrenches: T10, T25 (included with RockShox Bleed kit)
- Wire cutters

SAFETY INSTRUCTIONS

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

Place an oil pan under the RockShox product during service.

⚠WARNING

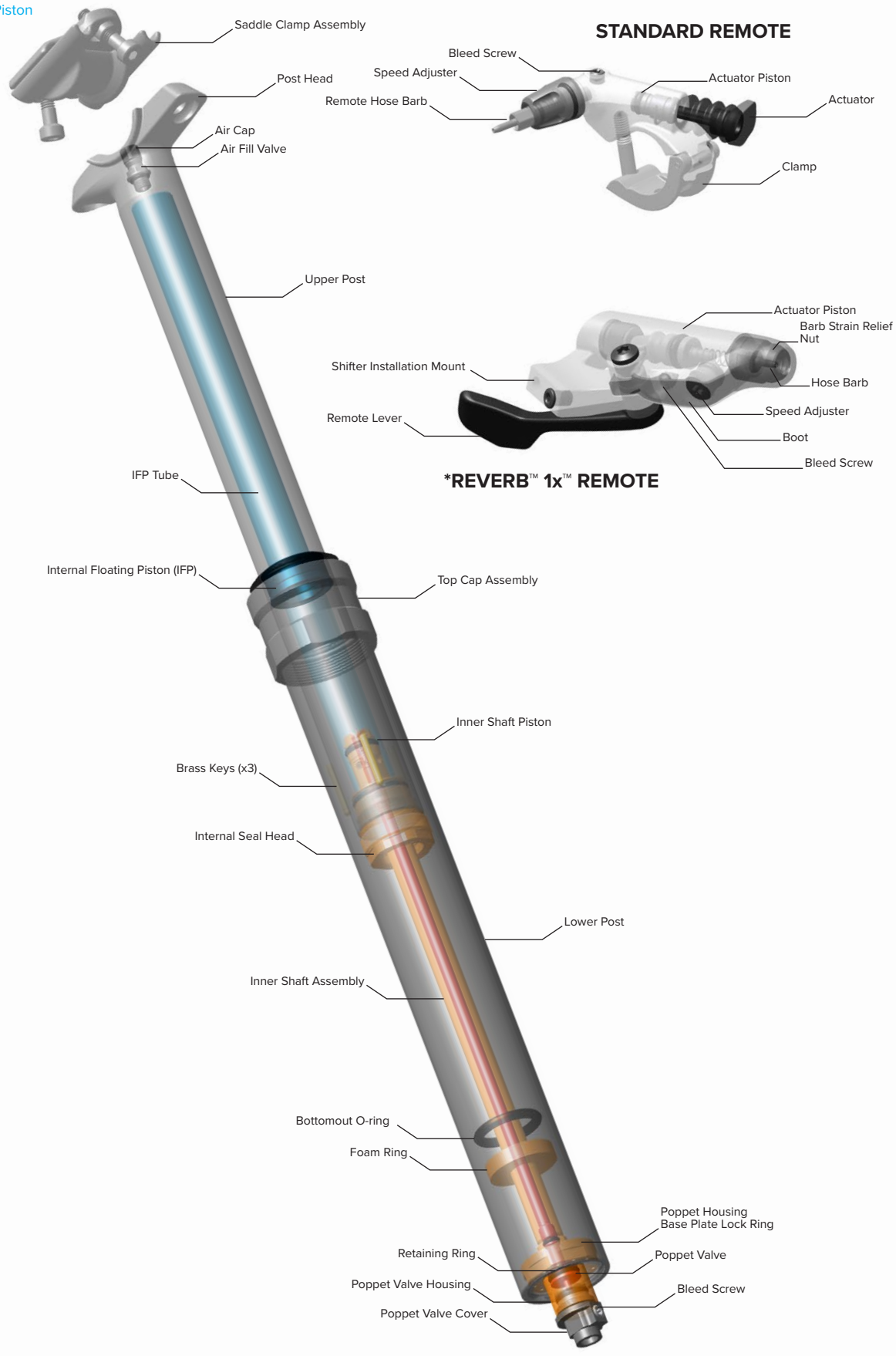
Do not allow Reverb hydraulic fluid to come into contact with disc brake levers, calipers, pads, rotors, or braking surfaces. If hydraulic fluid contacts brake pads, the brake pads must be replaced. Use isopropyl alcohol to remove hydraulic fluid from any brake or braking surface. Failure to remove hydraulic fluid from brakes and braking surfaces can damage components and reduce brake performance, and may result in serious injury and/or death to the rider. Remove brake components before performing hose replacement and hydraulic remote bleed procedures.

Exploded View - Assembly

Inner Shaft Assembly

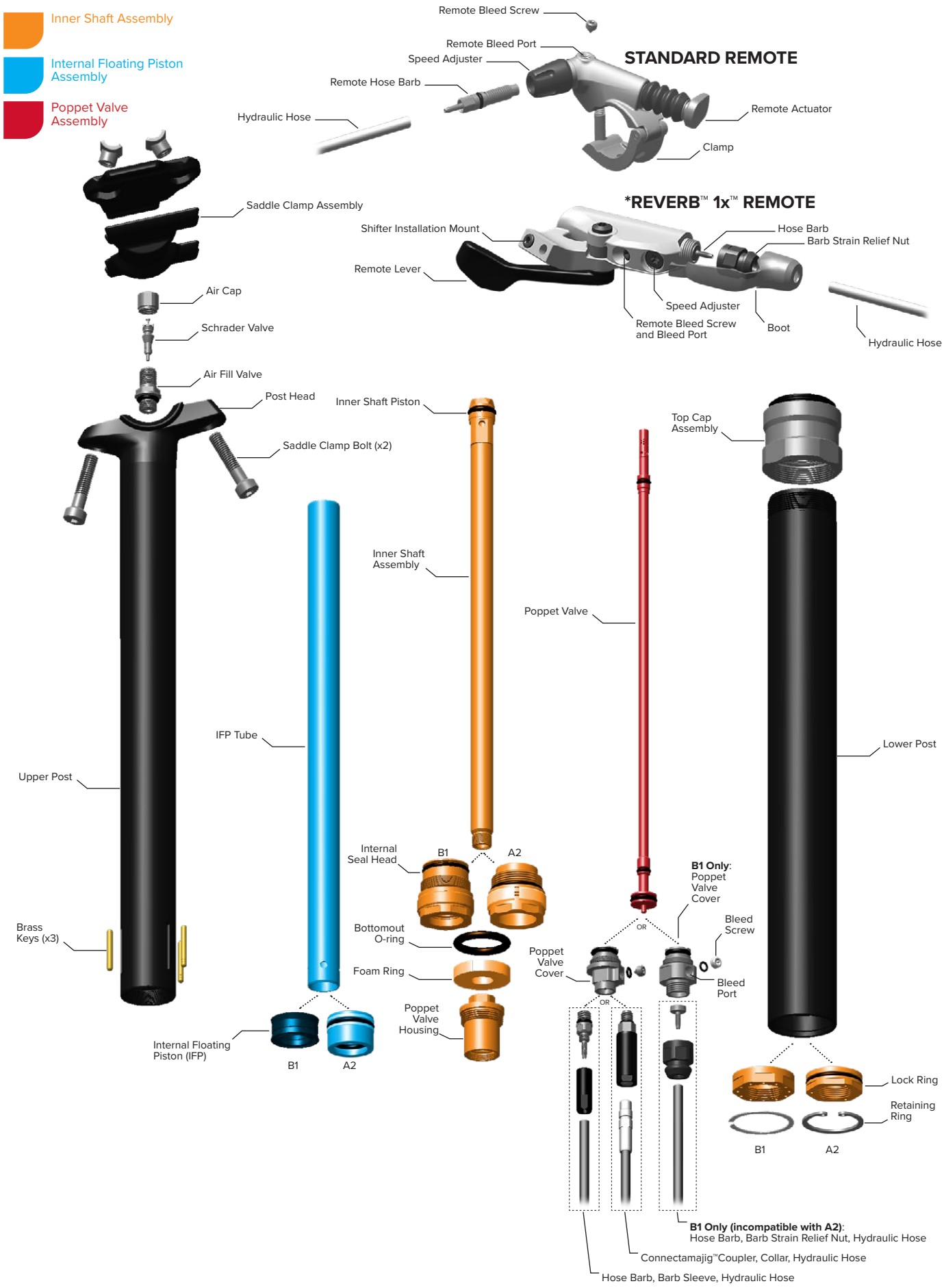
Internal Floating Piston Assembly

Poppet Valve Assembly



*Compatible with Reverb Stealth and Reverb

Exploded View - Component



*Compatible with Reverb Stealth and Reverb

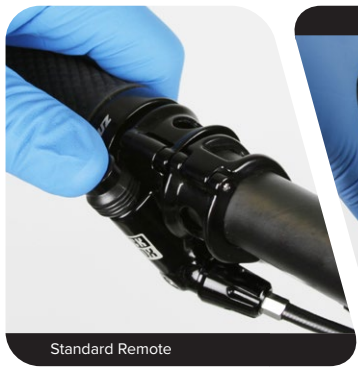
Seatpost Removal

1 Secure the bicycle in an upright position.

NOTICE

The Reverb™ Stealth seatpost will be removed from the bicycle. Do not clamp the seatpost in a bicycle work stand.

2 Raise the seatpost to the fully extended position.

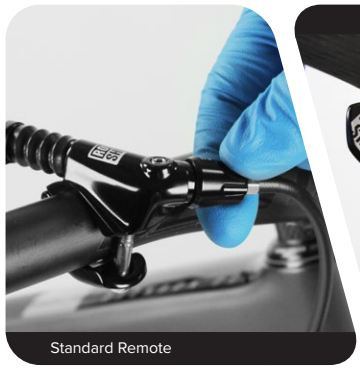


3 Set the speed adjuster to the full slow position.

Rotating the speed adjuster to the slowest setting is critical for a successful bleed. Failure to do so may result in insufficient fluid volume inside the hydraulic remote system.

Standard Remote: Turn the speed adjuster knob in the opposite direction of the arrow (counter-clockwise) until it stops.

Reverb™ 1x™ Remote: Remove the remote boot and rotate it out of the way. Turn the speed adjuster bolt (counter-clockwise) until it stops.


Standard Remote

T25

4 Remove the remote lever assembly from the handlebar.


T25 Standard Remote

5 Secure the remote lever loosely to the bicycle handlebar with a plastic cable tie.

6 Record your saddle settings for reference when the saddle is installed back onto the seatpost.

7 Remove the saddle clamps and saddle.

8 Remove the air cap.

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

⚠WARNING - EYE HAZARD

Verify all pressure is removed from the seatpost before proceeding. Failure to do so can cause the inner seal head and inner shaft to separate from the upper post assembly at high velocity during disassembly. Wear safety glasses.

10 Loosen the seatpost collar.

11 Remove the seatpost from the bicycle seat tube while simultaneously pushing the hydraulic hose into the hose port in the bicycle frame.

The hose port location will vary depending on the bicycle frame. Consult with your frame manufacturer for additional information.

NOTICE

Do not pull the seatpost out of the frame if there is tension at the hose. This can cause damage to the hydraulic hose and hose barb.

12 Clamp the seatpost into a bicycle work stand.

Place a shop towel under the seatpost and hose to absorb any hydraulic fluid that may drip when the hose is disconnected.

Hydraulic Hose Disconnect

There are three Reverb™ Stealth hydraulic hose connection types.

1. Hose barb with barb sleeve (compatible with Reverb Stealth A2 and B1)
2. Connectamajig™ (compatible with Reverb Stealth A2 and B1)
3. Hose barb with barb strain relief nut (compatible with Reverb Stealth B1 and Reverb 1x™ Remote).

For a Connectamajig hose assembly, either the Connectamajig coupler can be removed from the poppet valve cover, or the Connectamajig hose coupler can be removed from the Connectamajig coupler (pictured in step 1). The Connectamajig coupler does not have to be removed from the seatpost poppet valve cover to perform service.

The hydraulic hose must be disconnected from the seatpost for all service procedures. Follow the procedure below for the hose connection type on your Reverb Stealth.

The hose does not need to be disconnected from the remote lever for seatpost service.

⚠WARNING

Do not allow Reverb hydraulic fluid to come into contact with any brake components. Contaminated brake components can compromise brake performance, may cause brake failure, and can lead to serious injury and/or death.

1 Disconnect the hydraulic hose from the seatpost. Use a shop towel to wipe away any hydraulic fluid.

Hose Barb with Barb Sleeve: Unthread and remove the hose barb and hose assembly from the poppet cover.

Connectamajig Hose Coupler: Unthread and remove the hose coupler from the Connectamajig coupler. Service can be performed with the Connectamajig coupler installed.

Hose Barb with Barb Strain Relief Nut: Secure a plastic cable tie on the hose. The cable tie will prevent the nut from dropping inside the frame seat tube.

Unthread and remove the strain relief nut and hose assembly from the poppet cover.

Wipe away any excess fluid from the hose barb.

Service procedures are the same for all seatpost hose connection types. Connectamajig™ is pictured.

NOTICE

Use bench vise soft jaw inserts to prevent damage to the seatpost or any seatpost component when clamping it into a vise. Clamp each component only tight enough to prevent it from spinning in the soft jaws. To prevent the part from slipping, clean the vise soft jaw inserts with isopropyl alcohol and a clean shop towel before use.

1 Clamp the lower post into a bench vise and Park Tool® AV-5 soft jaw vise inserts, with the post head facing down.

Bench Vise with Park Tool AV-5 Vise Inserts

2 **A2:** Remove the retaining ring from the lower post.

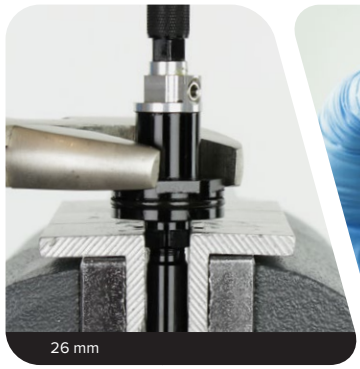
A2 Retaining Ring Pliers

B1: Pry the scalloped end of the retaining ring out of the groove. Slide the pick around the rim of the lower post to pry the retaining ring from the lower post.

B1 Pick

3 Push the upper post up to expose the poppet valve housing base plate lock ring.

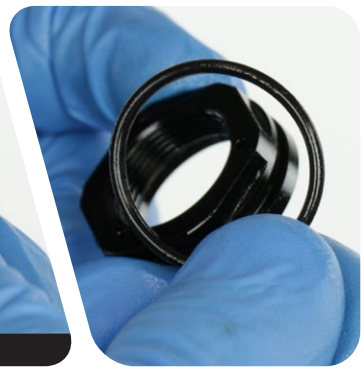
4 Clamp the poppet housing wrench flats tightly in a vise with flat soft jaw inserts. Remove the lock ring from the poppet valve housing.



5 **A2:** Remove the lock ring o-ring.

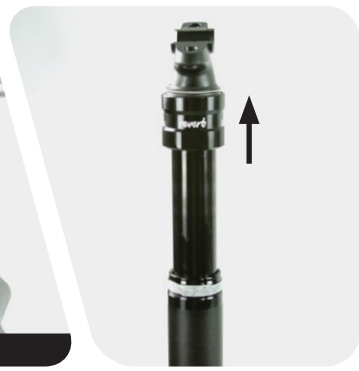
Clean the lock ring and o-ring.

Apply grease to the o-ring and reinstall it.



6 Remove the seatpost from the vise. Clamp the lower post into the bench vise and Park Tool® AV-5 soft jaw vise inserts, with the post head facing up.

Unthread the seatpost top cap. Slide the top cap up to the post head.



7 Pull the upper post assembly up and remove it from the lower post.

Remove the lower post tube from the vise. Clean the inside and outside of the lower post with isopropyl alcohol and a clean shop towel, then set it aside.

8 **A2:** Push the volume spacer from the lower post with a dowel.

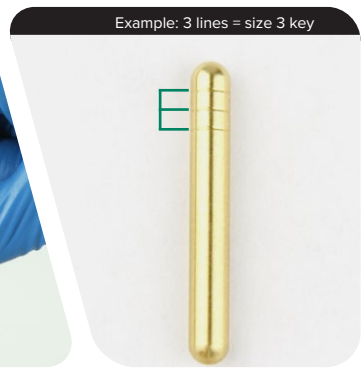
A2 355 mm & 420 mm (100 mm Travel), 420 mm (125 mm Travel)

9 Clamp the upper post head into the vise with **flat** soft jaws.

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.

Clean the upper post and keys with isopropyl alcohol and a clean shop towel.



Example: 3 lines = size 3 key

To continue with the **50 Hour Service** proceed to Brass Keys Installation.

Dissassembly and service procedures are the same for all seatpost hose connection types. Connectamajig™is pictured.

The following steps are to be completed during the B1 200 hour service interval and include replacing parts included in the **Reverb™ Stealth B1 Service Kit - 200 hours**. These steps do not require complete disassembly of the upper post assembly and are not included in the B1 400 hour service.

B1 - To continue with the **400 Hour Service** proceed to Inner Shaft Disassembly (B1).

A2 - To continue with the **200 Hour Service** proceed to Inner Shaft Disassembly (A2).

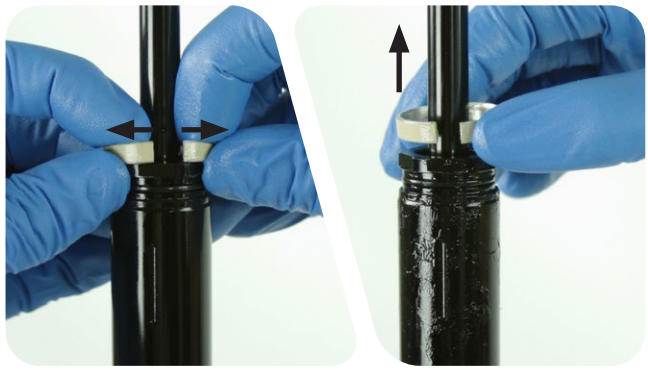
1 Remove the foam ring from the inner shaft assembly and discard the foam ring.

2 Remove the bottomout o-ring from the inner shaft assembly and discard the bottomout o-ring.

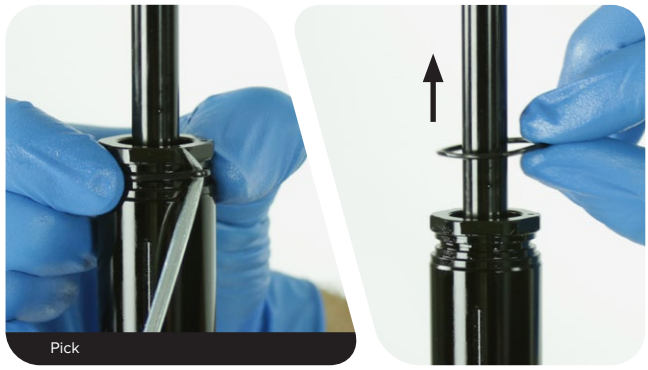
3 Spread and remove the seal head bushing and discard the seal head bushing.

NOTICE

The seal head bushing may have sharp edges. Do not scratch the inner shaft with the bushing. Scratches will cause leaks.



4 Remove the seal head o-ring. Pinch the o-ring, lift it from the o-ring groove, and remove it. Discard the o-ring.



5 Remove the top cap assembly from the upper post.

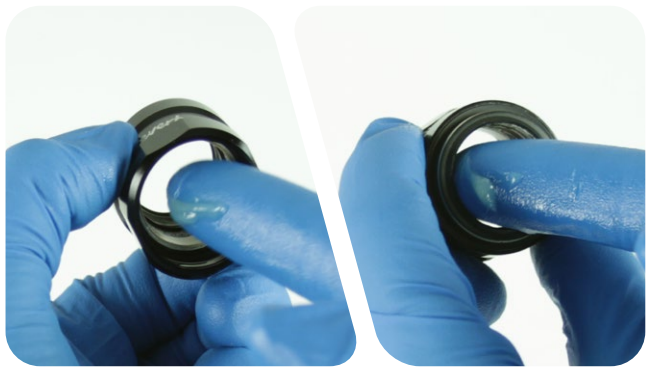
Clean the upper post, inner shaft assembly, and the top cap assembly.

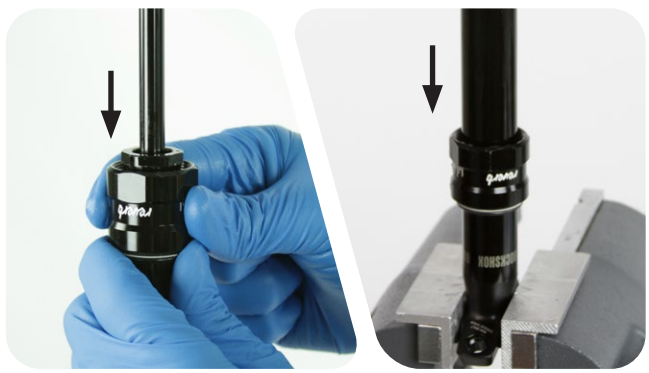
6 Apply a liberal amount of SRAM® Butter grease around the inside of the top cap assembly and onto the seals.

Carefully, install the top cap assembly, dust wiper seal end first, over the seal head and onto the upper post assembly. Slide the top cap assembly down until it is positioned below the upper post key slots.

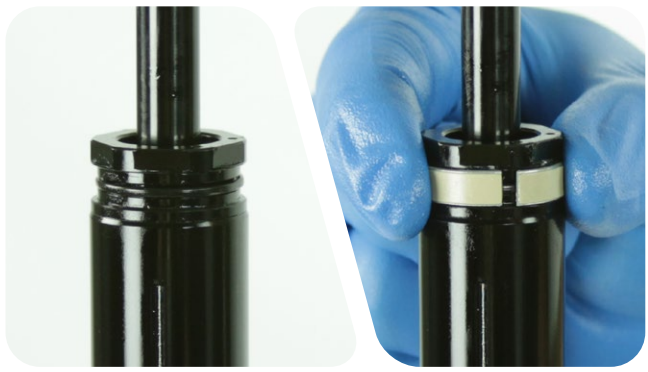
NOTICE

Ensure the dust wiper seal slides over the seal head without folding the outer lip of the seal.





7 Install a **new** o-ring and bushing over the poppet valve housing assembly and onto the seal head. Pinch the bushing to secure it around the seal head and o-ring.



8 Install a **new** bottomout o-ring and foam washer over the poppet valve housing assembly and onto the inner shaft.

NOTICE

Do not damage the foam washer during installation.

To continue with the **200 (B1) Hour Service** proceed to Brass Key Installation.

Dissassembly procedures are the same for all seatpost hose connection types. Connectamajig™ is pictured.

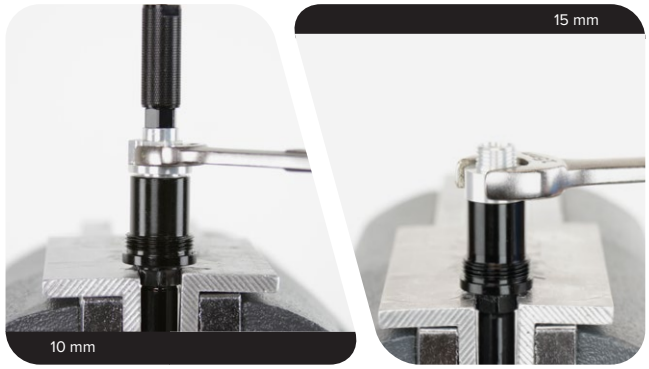
⚠WARNING - EYE HAZARD

There may be remaining air pressure inside the upper post assembly. Keep your eyes and face away from the poppet valve housing during disassembly.

1 Clamp the poppet housing wrench flats tightly in a vise with flat soft jaw inserts. Unthread the poppet valve cover from the poppet valve housing three full turns. Do not remove the poppet valve cover.

NOTICE

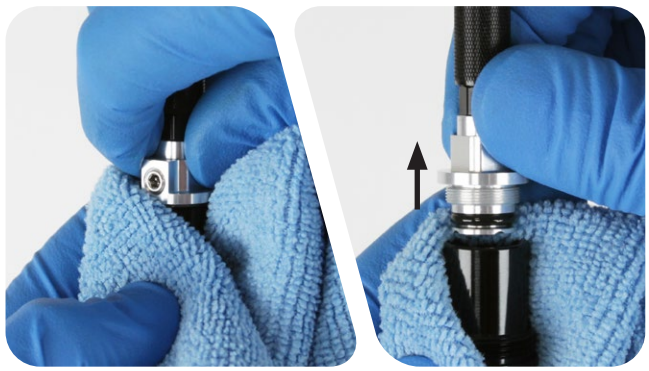
To avoid damage to the inner shaft, do not clamp the inner shaft into the vise flat soft jaw inserts.



2 Wrap a shop towel over the poppet valve cover. Unthread the poppet valve cover slowly by hand. Remove the poppet valve cover from the poppet valve housing slowly and cover the poppet valve housing opening with the shop towel.

⚠WARNING - EYE HAZARD

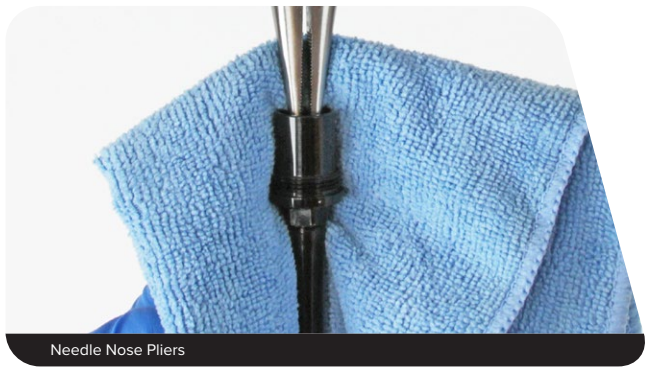
In the event there is any remaining air pressure inside the upper post assembly, covering the poppet valve housing with a shop towel will prevent the poppet valve from discharging from the housing during removal.

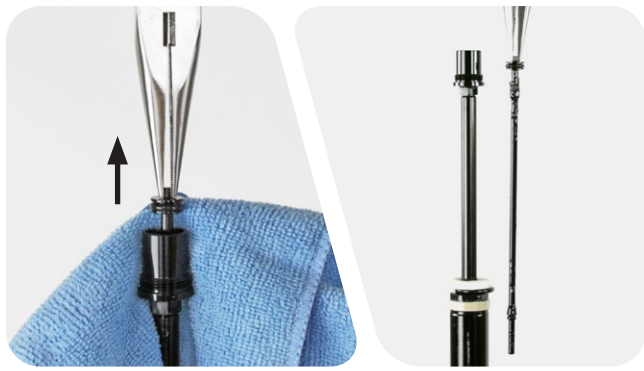


3 With a shop towel around the poppet valve housing, use needle nose pliers to remove the poppet valve from the housing and inner shaft.

⚠WARNING - EYE HAZARD

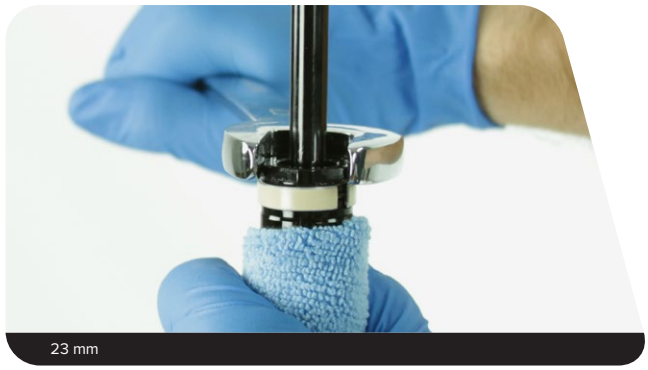
In the event there is any remaining air pressure inside the upper post assembly, covering the poppet valve housing with a shop towel will prevent the poppet valve from discharging from the housing during removal.





4 Wrap a shop towel around the upper post below the seal head.

Unthread the internal seal head three full turns. Do not remove the seal head.



5 Wrap a shop towel around and over the internal seal head.

Slowly unthread the seal head by hand while holding the shop towel over the seal head.

A small amount of air pressure may be released when the seal head is completely unthreaded. Do not remove the shop towel from the seal head until the seal head is completely unthreaded.

Wrap the shop towel around the upper post to absorb hydraulic fluid and carefully remove the seal head and inner shaft assembly from the upper post.

⚠WARNING - EYE HAZARD

In the event there is any remaining air pressure inside the upper post assembly, the shop towel will prevent the internal seal head from dislodging from the upper post during removal.

6 Remove the upper post from the vise and pour the hydraulic fluid into an oil pan or container.

Set the upper post aside.

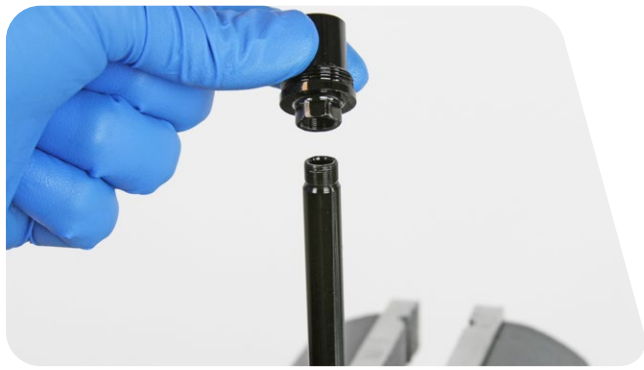
7 Spray the inner shaft and RockShox® 3-hole vise blocks with isopropyl alcohol and wipe them with a clean shop towel. The clamping surfaces must be free of oil and grease.

Clamp the inner shaft into the 10 mm slot in the RockShox 3-hole vise blocks.

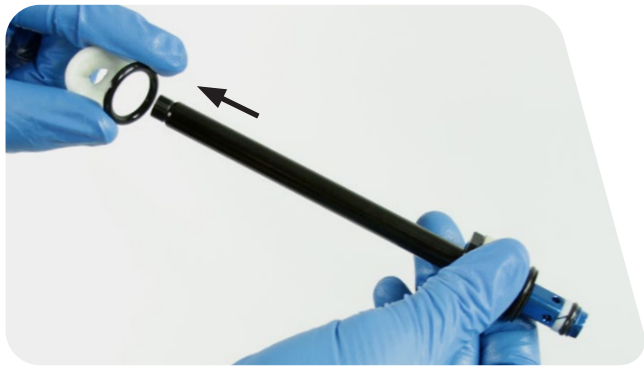
Unthread and remove the poppet valve housing from the inner shaft.

Remove the inner shaft assembly from the vise.


RockShox 3-hole Vise Blocks

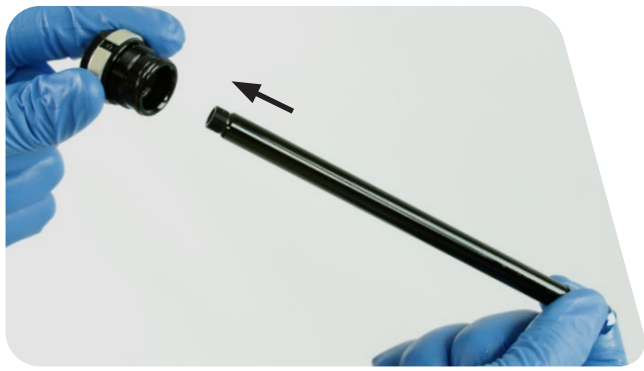


8 Remove the foam ring and bottomout o-ring from the inner shaft and discard them.



9 Remove the internal seal head assembly from the inner shaft and discard the seal head.

Set the inner shaft assembly aside.



1 Clamp the upper post head into the vise with **flat** soft jaws.

Remove the top cap assembly.

200 Hour (A2): Clean the top cap assembly.

400 Hour (B1): Discard the top cap assembly.

2 Insert a 1.5 mm hex wrench into one of the cross holes in the IFP tube. Use pliers to carefully pull the IFP tube out of the upper post and remove it from the post. Use your hand to guide the IFP tube straight out of the upper post using care not to scratch the inside of the upper post with the hex wrench.

Wipe the outer surface of the IFP tube and set it aside on a clean shop towel.

NOTICE

Do not scratch the inner surface of the upper post with the hex wrench. Surface scratches can cause leaks and reduce performance.

If the IFP tube is scratched, it must be replaced.

1.5 mm Hex and Pliers

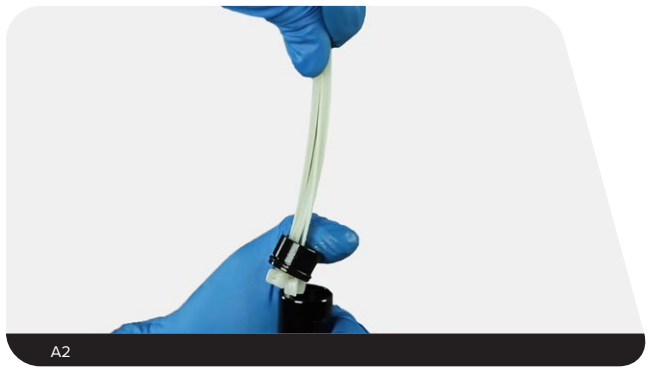
3 Remove the internal floating piston (IFP) from the upper post. Insert seven to nine plastic cable ties (cable tie size may vary), one at a time, into the upper post and through the center of the IFP.

Pull the cable ties out of the upper post and remove the IFP.

Discard the IFP.


Plastic Cable Ties

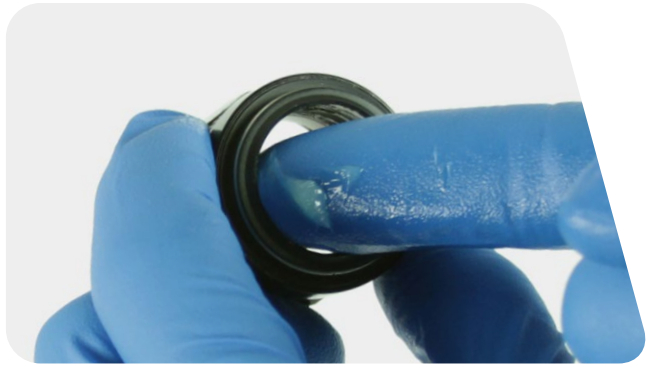

B1


A2

1 Apply a liberal amount of SRAM® Butter grease around the inside of the top cap assembly and onto the seals.

200 Hour (A2): Original top cap assembly

400 Hour (B1): New top cap assembly



2 Use isopropyl alcohol and a shop towel to clean the outside of the upper post.

Install the top cap assembly, dust wiper seal end first, onto the upper post assembly. Slide the top cap assembly down until it is positioned **below** the upper post key slots.

Apply a light coat of SRAM Butter grease to the outside of the upper post, above the top cap assembly.

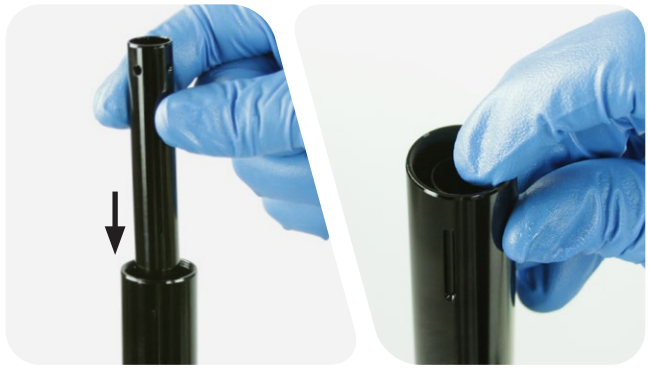
NOTICE

Ensure the dust wiper seal slides over the upper post without folding the outer lip of the seal.

1 Fully coat the inside and outside surfaces of the IFP tube with Reverb™ fluid.

Install the IFP tube with the cross holes facing up, into the upper post. Use your finger to rotate the IFP tube in a circular and side to side motion until the IFP tube seats itself onto the seal inside the bottom of the upper post.

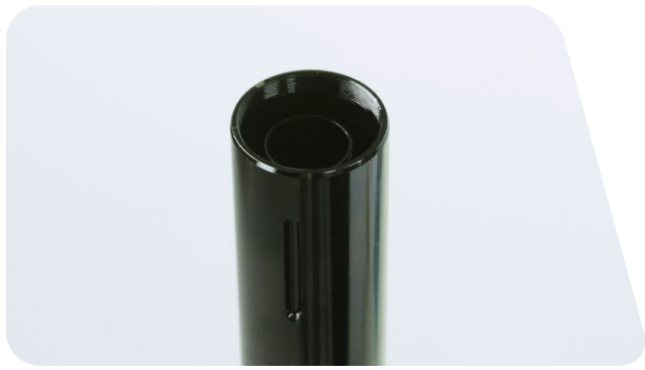
Push down firmly on the IFP tube until it snaps securely into the upper post. When the IFP tube snaps into place, a click will be heard. Ensure the IFP tube is secured and centered.



NOTICE

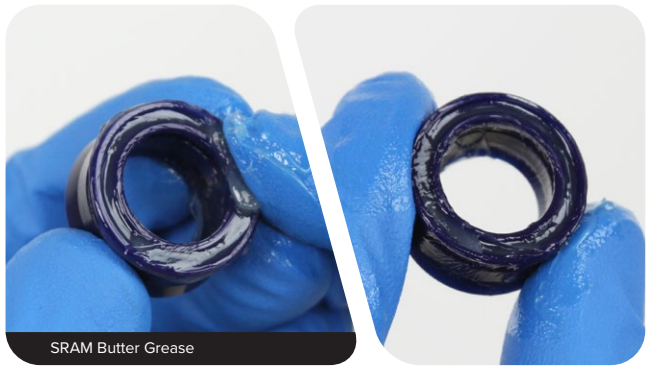
Do not scratch the inside of the upper post with the IFP tube. Scratches can cause leaks.

The IFP tube should be below the top of the upper post when it is installed correctly.



2 Apply a very liberal amount of SRAM® Butter grease to the **new B1 IFP.**

Fill the groove on **both** sides of the IFP, and coat the outer and inner surfaces.

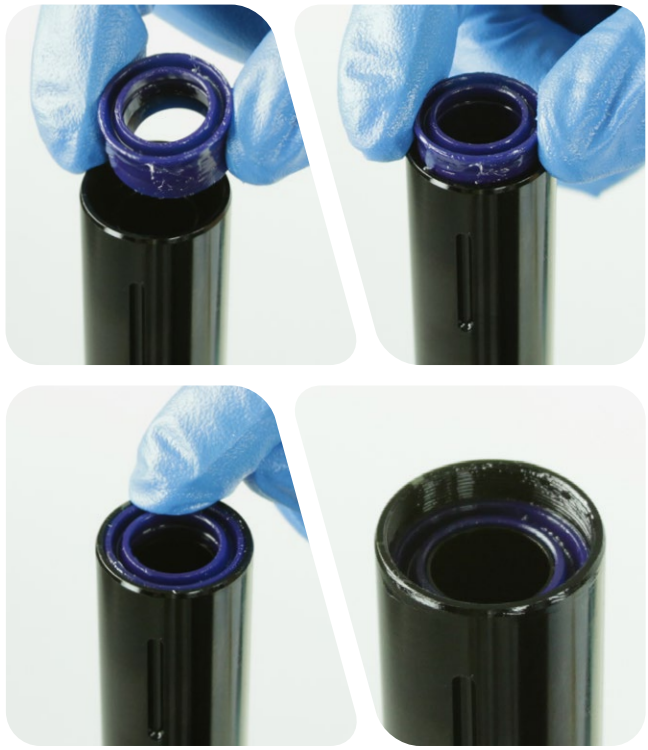


NOTICE

The outer and inner surfaces must be coated with grease to prevent stiction. The groove on **both** sides of the IFP must be completely filled with grease to prevent air pockets from developing under the IFP. Stiction and air pockets will negatively affect seatpost function.

3 Install the **greased** IFP into the upper post and onto the IFP tube. Push the IFP down until it is level with the top of the IFP tube.

The IFP is symmetrical. Orientation of the IFP is not critical to installation.



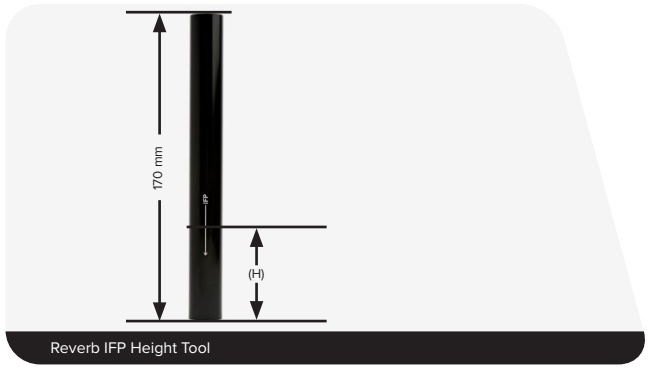
4 Set the internal floating piston (IFP) height.

Use the chart below to determine the IFP depth for your Reverb™ Stealth seatpost.

B1: Use a marker to mark the Reverb IFP tool with the IFP height (H) measurement.

Reverb Stealth	(H) IFP Height (mm)
B1	50
A2	30

IFP height is critical to proper function. The graphics and measurements on your Reverb IFP height tool may vary. Always measure from the bottom of the tool and mark the tool with the correct IFP depth for the Reverb Stealth seatpost being serviced.

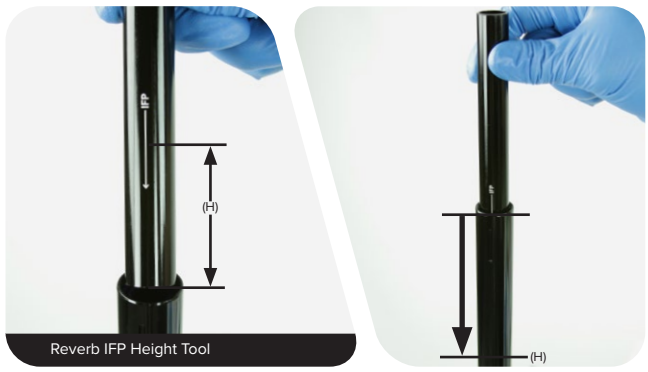


Reverb IFP Height Tool

5 Set the internal floating piston (IFP) height. Use the Reverb IFP height tool to push the IFP down into the upper post. Stop when the measurement mark on the IFP tool is level with the top of the upper post.

Remove the IFP height tool from the upper post.

Remove the upper post assembly from the vise and set it aside.



Reverb IFP Height Tool

NOTICE

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

When replacing seals and o-rings, use your fingers or a pick to remove the seal or o-ring. Spray isopropyl alcohol on each part and clean with a clean lint-free shop towel.

Apply **only** SRAM® Butter grease to all Reverb parts, seals, and o-rings.

1 Remove the inner shaft piston o-rings.

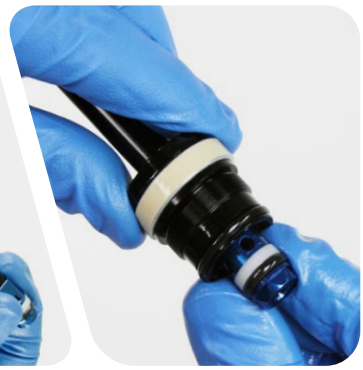
Apply SRAM Butter grease to new o-rings and install them onto, and into, the inner shaft piston.

NOTICE

Do not scratch the inner shaft piston with the pick.

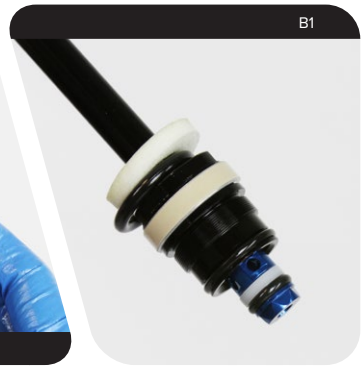
2 Apply a liberal amount of SRAM Butter grease to the inside of a **new** internal seal head assembly.

Install the internal seal head assembly onto the inner shaft, threaded end first. Slide the internal seal head on the inner shaft until it stops against the inner shaft piston.



3 **B1 (all sizes) and A2 (380 mm x 125 mm, 430 mm x 150 mm):** Install a new bottomout o-ring and a new foam ring onto the inner shaft.


B1


B1

A2 (355 mm x 100 mm, 420 mm x 100 mm, 420 mm x 125 mm): Apply SRAM® Butter to the volume spacer o-ring.

Install a new bottomout o-ring, the volume spacer, and a new foam ring, in that order, onto the inner shaft.

Volume spacer orientation is not critical.


A2


A2


A2


A2

4 Spray the inner shaft and RockShox® 3-hole vise blocks with isopropyl alcohol and clean them with a shop towel. The clamping surfaces must be free of oil and grease.

Clamp the inner shaft into the 10 mm slot in the RockShox 3-hole vise blocks with the piston facing down.

Thread the poppet valve housing onto the inner shaft by hand. Tighten the poppet valve housing.

Remove the inner shaft assembly from the vise and set it aside.

NOTICE

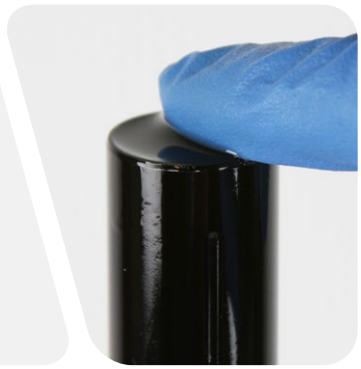
Do not scratch the inner shaft with the wrench as this is a critical sealing surface. Surface scratches can cause leaks and reduce performance.


RockShox 3-hole Vise Blocks

1 Clamp the upper post head back into the vise and **flat** soft jaws.

Wrap a shop towel around the top of the upper post. Pour Reverb™ hydraulic fluid into the IFP tube until the fluid overflows into the upper post and is level with the top of the upper post.

Use your finger to remove any bubbles from the surface of the fluid if bubbles are visible.



2 Wrap a shop towel around the upper post to absorb displaced hydraulic fluid.

Insert the inner shaft piston into the fluid and IFP tube.

B1: Push the seal head down into the upper post and thread it into the upper post by hand.

A2: Push the seal head down and slowly thread the seal head just enough to allow the o-ring to displace fluid. Unthread the seal head and wipe the excess fluid away from the o-ring. Slowly thread the seal head into the upper post making sure the o-ring does not protrude from the upper post.

NOTICE

Confirm the o-ring has not protruded from the upper post before proceeding.

3 Tighten the seal head.

Use a shop towel to wipe away any excess fluid.

NOTICE

Do not scratch the inner shaft with the wrench as this is a critical sealing surface. Surface scratches can cause leaks and reduce performance.

Do not compress the inner shaft into the upper post and IFP tube until the seatpost is completely reassembled. If the inner shaft does get pressed into the IFP tube, remove the seal head and repeat steps 1 and 2.

1 A specific amount of Reverb™ hydraulic fluid must be removed from the inner shaft before the poppet valve is installed. Consult the chart below and set the fluid level height for your Reverb Stealth configuration on the suspension fluid level gauge tool.

Reverb Stealth B1 Travel (mm)	Set fluid gauge to this length (± 0.5 mm)
100	141
125	166
150	191
170	211

Reverb Stealth A2 Travel (mm)	Set fluid gauge to this length (± 0.5 mm)
355 / 100	186.5
380 / 125	186.5
420 / 100	251.5
420 / 125	226.5
430 / 150	211.5

RockShox® Oil Level Adjuster

2 Insert the oil level adjuster into the inner shaft and draw excess fluid from the inner shaft by pulling the syringe plunger. When fluid is no longer pulled from the inner shaft into the syringe, remove the oil level adjuster tool from the inner shaft.


RockShox Oil Level Adjuster

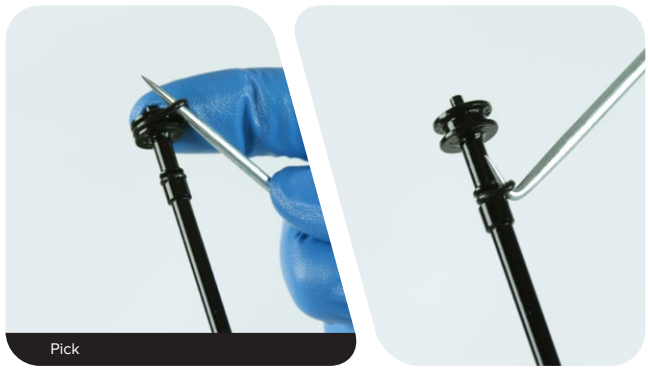
3 Remove each poppet valve o-ring from the poppet valve.

Install new o-rings onto the poppet valve and apply SRAM® Butter grease to each new o-ring.

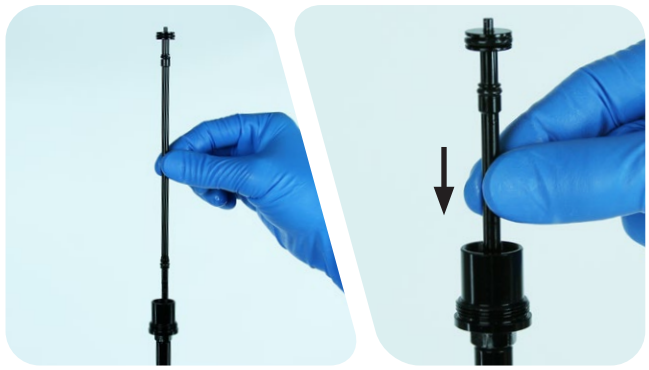
NOTICE

Do not apply grease to the area between the upper poppet piston and the o-ring just below it. Grease on the shaft under the large poppet piston o-ring will limit movement when the remote actuator is pressed.

Use a clean shop towel to wipe away any excess grease from under the large poppet o-ring.


Pick

4 Insert the poppet valve into the inner shaft, narrow end first.



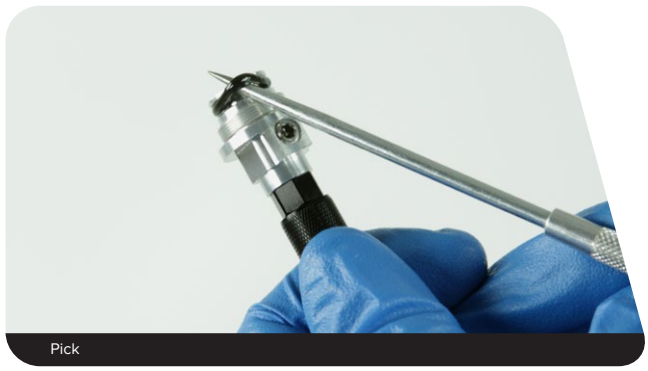
Hold the shaft in the extended position, push the poppet valve down into the poppet valve housing and inner shaft, and press it into place with your finger.

NOTICE

Do not allow the shaft to compress during poppet valve installation. If the shaft compresses into the upper post, the IFP removal and installation procedures must be repeated.

5 Remove the poppet valve cover o-ring.

Install a new o-ring onto the poppet valve cover and apply SRAM® Butter grease to the new o-ring.



6 Install the poppet valve cover onto the poppet valve housing and thread it on by hand.

Tighten the poppet valve cover onto the poppet valve housing.

NOTICE

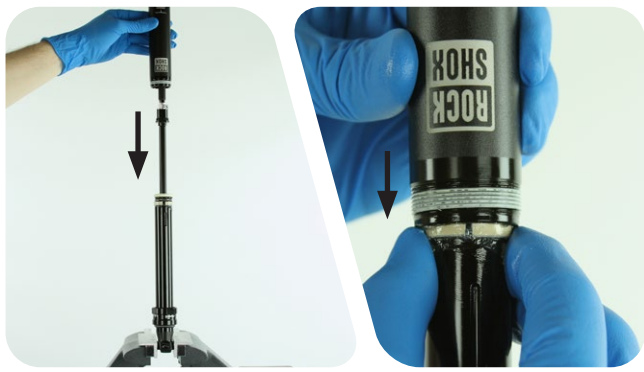
Do not scratch the inner shaft with the wrench as it is a critical sealing surface. Surface scratches can cause leaks and reduce performance.

1 Apply a liberal amount of SRAM® Butter grease onto the seal head bushing.

2 Apply a liberal amount of SRAM Butter grease to the inside of the lower post tube.

3 Install the lower post onto the upper post.

Center the bottomout o-ring and foam ring, squeeze the inner seal head bushing, and slide the lower post down over the seal head bushing.

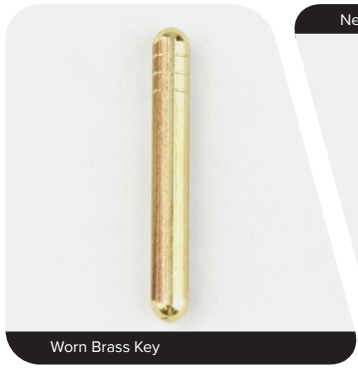


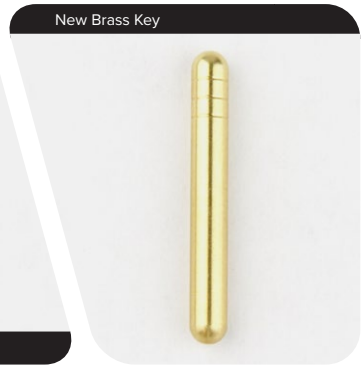
NOTICE

Side-to-side movement of the upper tube 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 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.





1 Apply a liberal amount of SRAM® Butter grease onto each key slot.

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

Apply a liberal amount of SRAM Butter grease onto the brass keys and upper post.

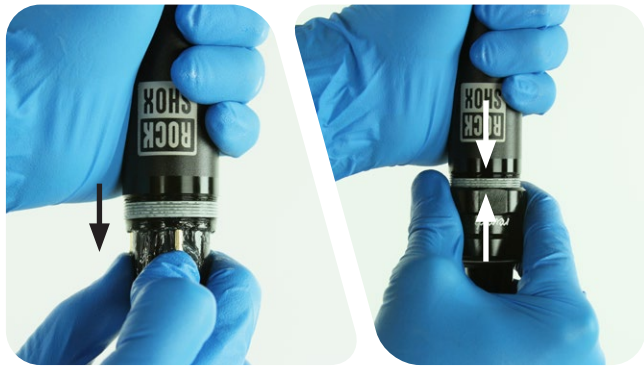
Slide the top cap up and down to lubricate the top cap seal.

2 Align the lower post key slots with the brass keys and ensure the laser etched RockShox® logo is aligned with the **back** of the seatpost head.

Key Slots

Hold each brass key in place and slide the lower post down until it engages the keys. Continue to slide the lower post down over the brass keys.

Slide the top cap up until it contacts the lower post threads. Thread the top cap onto the lower post by hand.



3 Tighten the top cap.

Remove the seatpost from the vise.

NOTICE

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

Assembly procedures are the same for all seatpost hose connection types. Connectamajig™ is pictured.

1 Clamp the lower post back into the vise and Park Tool® AV-5 vise inserts with the post head facing down.

Push the upper post up to expose the poppet valve housing.

2 Insert the poppet housing base plate lock ring onto the poppet valve housing, wrench flats facing up, and thread it on by hand.

Tighten the base plate lock ring.

NOTICE

Do not scratch the inner shaft with the wrench as this is a critical sealing surface. Surface scratches can cause leaks and reduce performance.

3 Pull the upper post down to full extension to seat the base plate lock ring in the lower post.

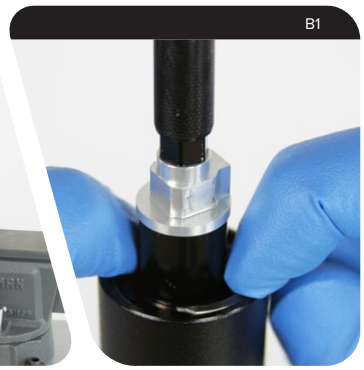
B1: Install the retaining ring into the lower tube. Insert the flat end into the groove first, and use your finger to guide the retaining ring around the end of the lower tube until it snaps completely into the groove.

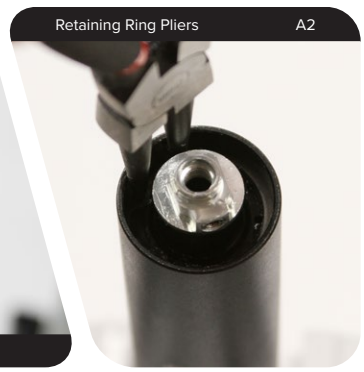
A2: Install the retaining ring into the lower tube.

Remove the seatpost from the vise.

⚠CAUTION

Confirm the retaining ring is securely in place before continuing. Failure to properly secure the retaining ring will result in collapse of the upper post when weight is applied.





1 Clamp the seatpost back into the vise and Park Tool® AV-5 vise inserts with the post head facing up.

Pressurize the seatpost to 250 psi (17.2 bar).

Reinstall the air cap hand tight.

250 psi (17.2 bar)

9 mm

To continue with the **50/200/400 (B1) Hour Service** and **50/200 (A2) Hour Service** proceed to Connect to Seatpost.

Hose Barb Replacement (OPTIONAL)

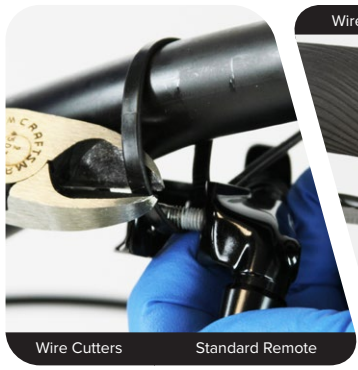
Replace the remote hose barb only if it is damaged from impact.

If the hydraulic hose assembly is removed from the bicycle, refer to the 'Reverb™ Stealth and Reverb Hydraulic Hose Replacement and Remote System Bleed' manual at www.sram.com/service for installation procedures. For a list of available Reverb Stealth hydraulic hose kits, refer to the RockShox® Spare Parts catalog at www.sram.com/service.

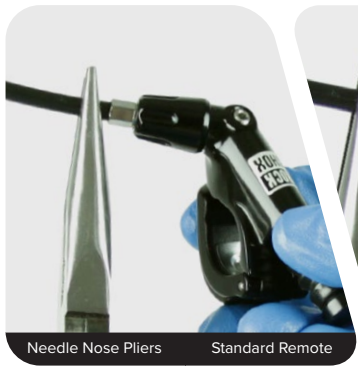
NOTICE

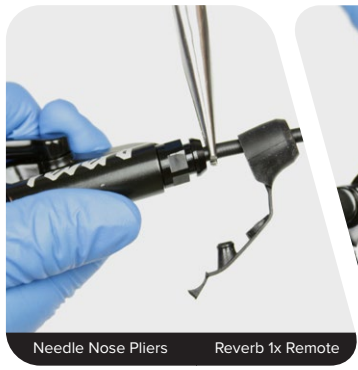
If Reverb hydraulic fluid leaks from the remote lever while under pressure or in use, the remote lever assembly must be replaced.

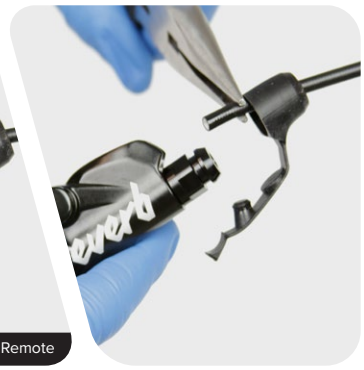
1 Use wire cutters to cut the cable tie used to secure the remote lever to the bicycle handlebar.



2 Hold the hydraulic hose near the hose barb. Rotate the Reverb remote lever counterclockwise and unthread the hose from the remote hose barb.







3 **Standard Remote:** Unthread the barb from the remote and discard it.

Install a **new** hose barb and tighten it.

Proceed to step 8.

4 **Reverb™ 1x™ Remote:** Remove the strain relief nut.

Remove the hose barb and discard it.

5 **Reverb™ 1x™ Remote:** Cut 3 - 4 mm off the end of the hose.

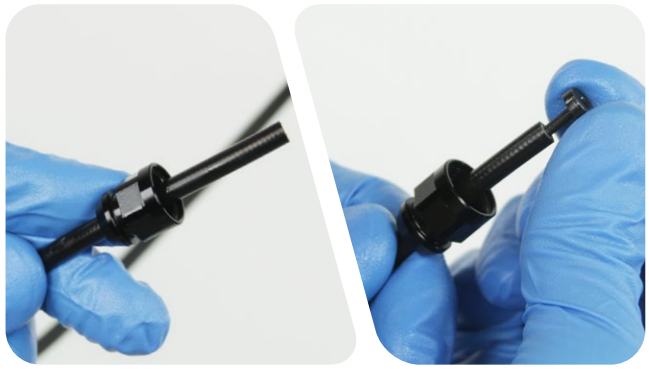
Hydraulic Hose Cutters

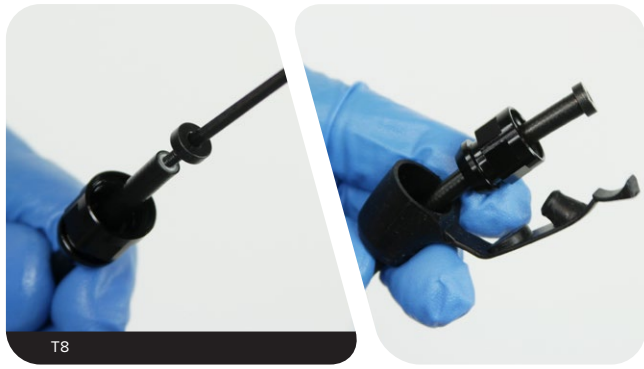
6 **Reverb 1x Remote:** Insert the strain relief nut onto the hose.

Thread a new hose barb into the hose until it stops.

NOTICE

Do not over-tighten and strip the threads inside the hydraulic hose. If the hose is over or under tightened, hydraulic fluid can leak.




T8

7 **Reverb™ 1x™ Remote:** Insert the hose barb into the remote and thread the strain relief nut onto the remote.

Tighten to the correct torque.

13 mm | 8-9 N•m (70-80 in-lb)

8 **Standard Remote:** Thread the remote lever hose barb into the hydraulic hose. Hold the end of the hose and rotate the remote lever clockwise while pushing the remote lever barb into the hose. Stop when the hose is hand tight on the hose barb.

NOTICE

Do not over-tighten and strip the threads inside the hydraulic hose. If the hose is over or under tightened, hydraulic fluid can leak.

The Reverb remote hydraulic system must be bled after the hose is installed onto the remote lever. Refer to the 'Reverb Stealth and Reverb Hydraulic Hose Replacement and Remote System Bleed' manual, available at www.sram.com/service, for hydraulic remote system bleed and seatpost installation procedures.

Needle Nose Pliers

50/200/400 Hour Service — Connect to Seatpost

There are three Reverb™ Stealth hydraulic hose connection types: 1) hose barb with barb sleeve, 2) Connectamajig™, and 3) hose barb with barb strain relief nut. Follow the procedure in step 3 for the hose connection type on your Reverb Stealth.

1 Use wire cutters to cut the cable tie used to secure the remote lever to the bicycle handlebar.

2 Clamp the seatpost into a bicycle work stand. Position the bicycle under the seatpost. Place a shop towel under the seatpost and hose to absorb any hydraulic fluid that may drip.

Push the hydraulic hose into the frame hose port as needed.

⚠WARNING

Do not allow Reverb hydraulic fluid to come into contact with any brake components. Contaminated brake components can compromise brake performance, may cause brake failure, and can lead to serious injury and/or death.

NOTICE

Do not pull the hydraulic hose out of the frame if there is tension at the hose. This can cause damage to the hydraulic hose.

3 **Hose Barb and Sleeve**: Thread the hose barb into the poppet valve cover. Use a 7 mm open end wrench to hold the hose barb in position and tighten the poppet valve cover.

Connectamajig™ Hose Coupler (pictured in Step 2): Connect the hose coupler to the Connectamajig coupler. Use your fingers to push the Connectamajig hose coupler into the Connectamajig coupler until it stops.

Thread the hose coupler into the Connectamajig coupler by turning the coupler collar clockwise. Use a 6 mm open end wrench to hold the hose fitting and tighten the Connectamajig coupler collar to the specified torque.

Hose Barb and Barb Strain Relief Nut: Place the flat end of the hose barb into the recessed end of the poppet valve cover. Thread the strain relief nut onto the poppet valve cover and tighten it to the specified torque.

Remove the cable tie.

Consult the Reverb Stealth & Reverb Hydraulic Hose Replacement and Remote System Bleed manual for hose replacement procedures.

This concludes service for the RockShox® Reverb™ Stealth adjustable height seatpost.

The Reverb Stealth hydraulic remote system must be bled before the seatpost can be reinstalled and used. Refer to the Reverb Stealth and Reverb Hydraulic Hose Replacement and Remote System Bleed manual, available at www.sram.com/service, for bleed and seatpost installation procedures.

SRAM®

www.sram.com

ASIAN HEADQUARTERS
SRAM Taiwan
No. 1598-8 Chung Shan Road
Shen Kang Hsiang, Taichung City
Taiwan R.O.C.

WORLD HEADQUARTERS
SRAM LLC
1000 W. Fulton Market, 4th Floor
Chicago, Illinois 60607
USA

EUROPEAN HEADQUARTERS
SRAM Europe
Paasbosweg 14-16
3862ZS Nijkerk
The Netherlands