2017-2018 SID®

service manual

GEN.0000000005125 Rev C

SRAM® LLC WARRANTY

EXTENT OF LIMITED WARRANTY

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

LOCAL LAW

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

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

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

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

For Australian customers:

This SRAM limited warranty is provided in Australia by SRAM LLC, 1000 W. Fulton Market, 4th Floor, Chicago, IL, 60607, USA. To make a warranty claim please contact the retailer from whom you purchased this SRAM product. Alternatively, you may make a claim by contacting SRAM Australia, 6 Marco Court, Rowville 3178, Australia. For valid claims SRAM will, at its option, either repair or replace your SRAM product. Any expenses incurred in making the warranty claim are your responsibility. The benefits given by this warranty are additional to other rights and remedies that you may have under laws relating to our products. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

LIMITATIONS OF LIABILITY

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

LIMITATIONS OF WARRANTY

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

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

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

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

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

Wear and tear parts are identified as:

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

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

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

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

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

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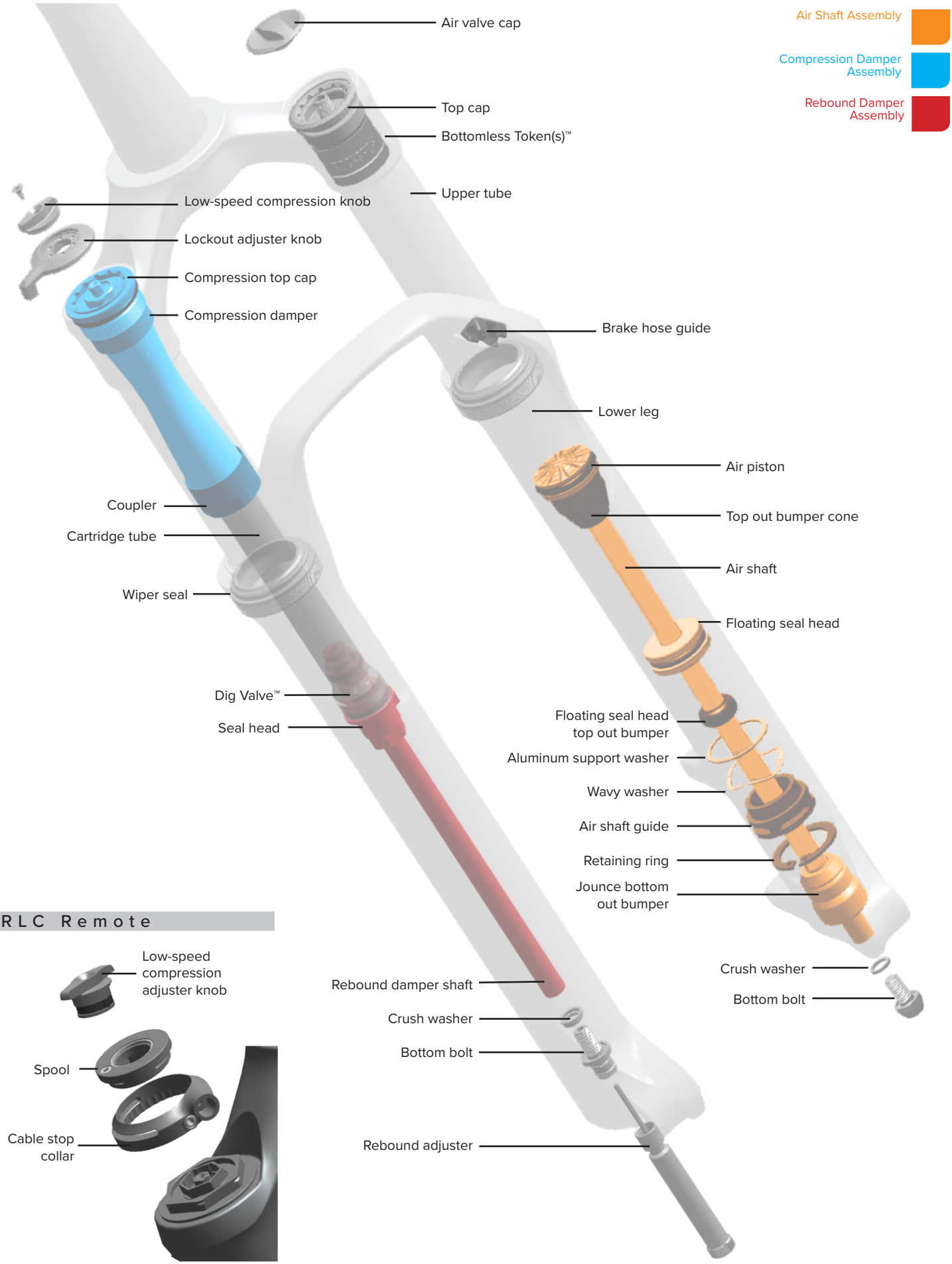
SAFETY FIRST!

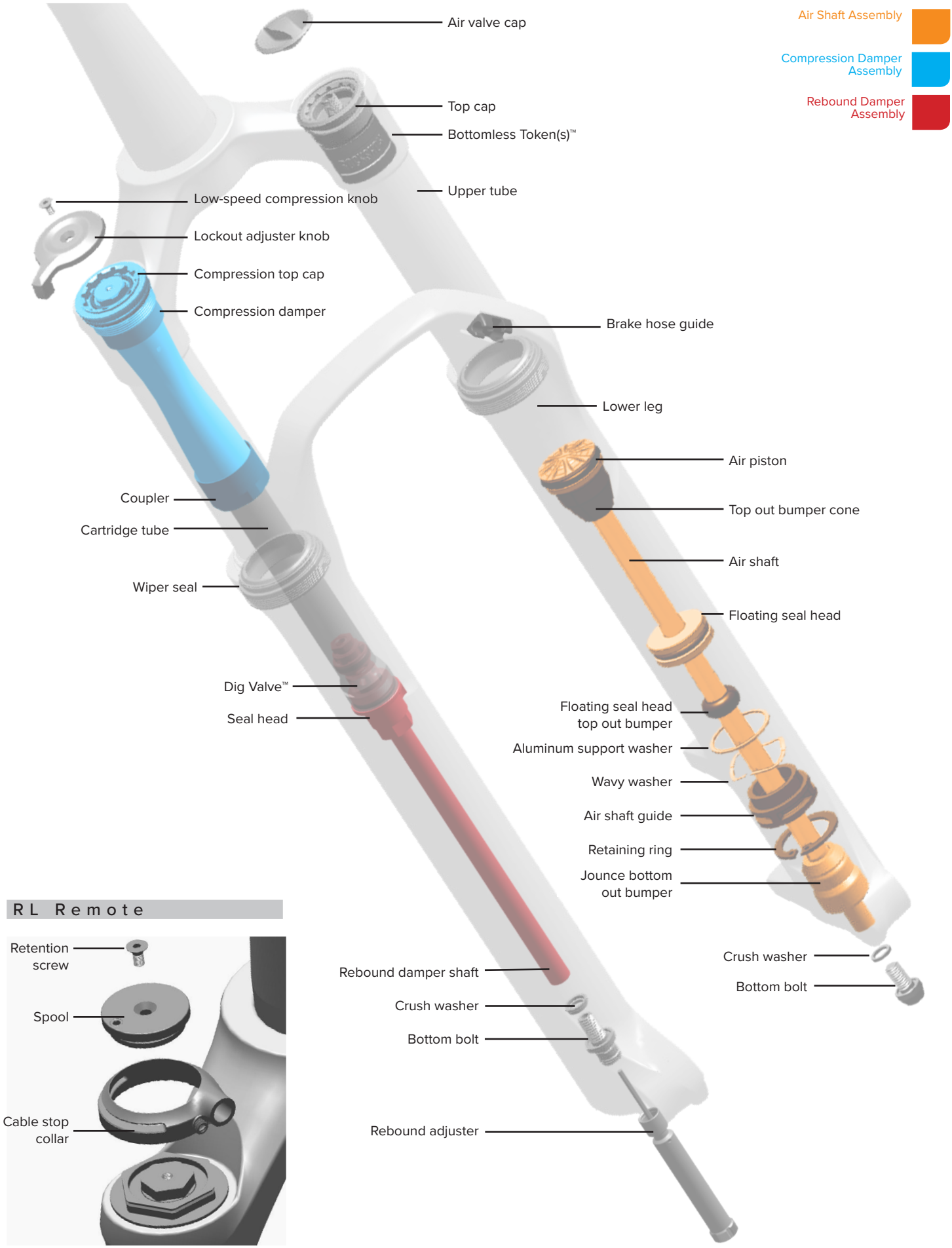
We care about YOU. Please, always wear your safety glasses and protective gloves when servicing RockShox® products.
Protect yourself! Wear your safety gear!

Exploded View - SID® RLC/WC



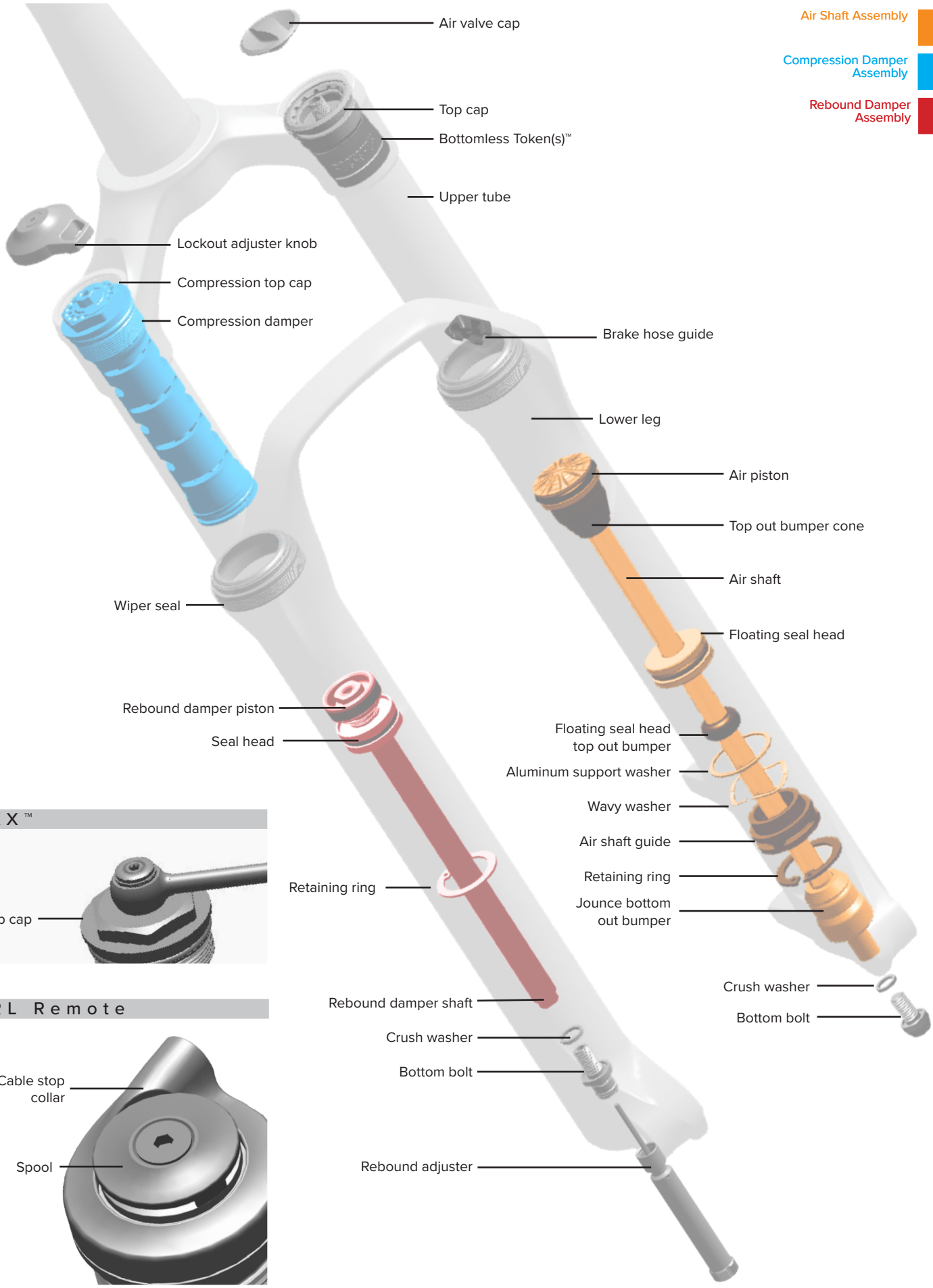
RLC Remote

Exploded View - SID® RL



RL Remote

Exploded View - SID® RL/XX (2017)



XX™

RL Remote

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/company/environment.

Part Preparation

Remove the component from the bicycle before service.

Disconnect and remove the remote cable or hydraulic hose from the fork or rear shock, if applicable. For additional information about RockShox remotes, user manuals are available at www.sram.com/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 and a clean, lint-free rag. For hard to reach places (e.g. upper tube, lower leg), wrap a clean, lint-free rag around a non-metallic dowel to clean the inside.

Clean the sealing surface on the part and inspect it for scratches before installing a new o-ring or seal.

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

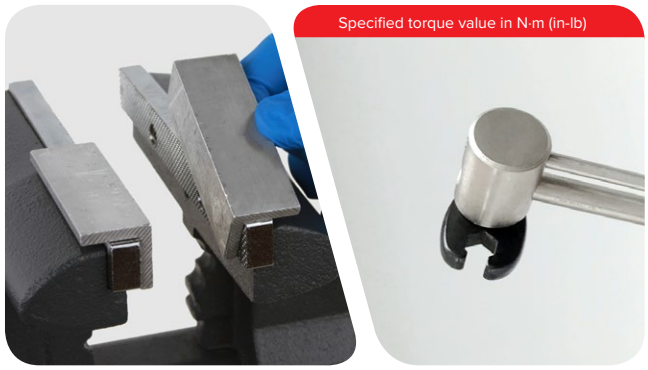
Apply grease to the new seal or o-ring.

NOTICE

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

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

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



Parts, Tools, and Supplies

Parts

- AM SVC kit 200h/1yr SID XX/RL B1
- AM SVC kit 200h/1yr SID RLC/WC CGR A1/A2
- AM SVC kit 200h/1yr SID RL CGR B2
- Optional travel change Solo Air™ spring assembly

Safety and Protection Supplies

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

RockShox Tools

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

Lubricants and Fluids

- Isopropyl alcohol
- RockShox 15wt suspension oil
- RockShox 5wt suspension oil (Motion Control™)
- RockShox 3wt suspension oil (Charger 2 Damper™)
- Liquid-O-Ring® PM600 military grease or SRAM® Butter grease

Bicycle Tools

- Bicycle stand
- Downhill tire lever
- Shock pump

Common Tools

- 1.5, 2, 2.5, 5, 8 mm hex wrench
- 1.5, 2, 2.5, and 5 mm hex bit socket
- 15 and 24 mm crowfoot
- 15 mm open end wrench
- 24 mm open end wrench (XX™)
- 10, 13, and 24 mm socket
- T10 TORX®
- Air compressor and nozzle
- Bench vise and aluminum soft jaws
- Cassette lockring tool or RockShox Top Cap/Cassette Tool (3/8" / 24 mm)
- Flat blade screwdriver
- Internal retaining ring pliers- large
- Long plastic or wooden dowel
- Pick
- Plastic or rubber mallet
- Schrader valve tool
- Socket extension
- Socket wrench
- Torque wrench

SAFETY INSTRUCTIONS

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

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

Recommended Service Intervals

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

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

Record Your Settings

Use the charts below to record your settings to return your fork to its pre-service settings. Record your service date to track service intervals.

Service Hours Interval	Date of Service	Air Pressure	Rebound setting - count the number of clicks while turning the rebound adjuster fully counter-clockwise.	Charger Damper Only Low-speed Compression setting - count the number of clicks while turning the compression adjuster fully counter-clockwise.
50				
100				
150				
200				

Torque Values

Part	Tool	Torque
Bottom bolts	5 mm hex bit socket	6.8 N·m (60 in-lb)
Top caps	24 mm socket and top cap cassette tool	12.4 N·m (110 in-lb) **World Cup:** 7.3 N·m (65 in-lb)
Bottomless Tokens™	8 mm hex wrench and 24 mm socket and/or top cap tool	3.4-4.5 N·m (30-40 in-lb)

Fluid Volume

		Damper Side						Spring Side			
			Upper Tube			Lower Leg			Upper Tube	Lower Leg	
Fork	Model	Damper Technology	Volume (mL)	Oil	Oil Height (mm)	Volume (mL)	Oil	Spring Technology	Lubricant	Volume (mL)	Oil
SID®	WC RLC RL (2018)	Charger 2 Damper™	Bleed	3wt	-	5	15wt	Solo Air™	Grease	5	15wt
	RL (2017) XX™	Motion Control™	100	5wt	71-77						

1 Remove the air valve cap.

2 Depress the Schrader valve and release all air pressure.

⚠CAUTION - EYE HAZARD

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

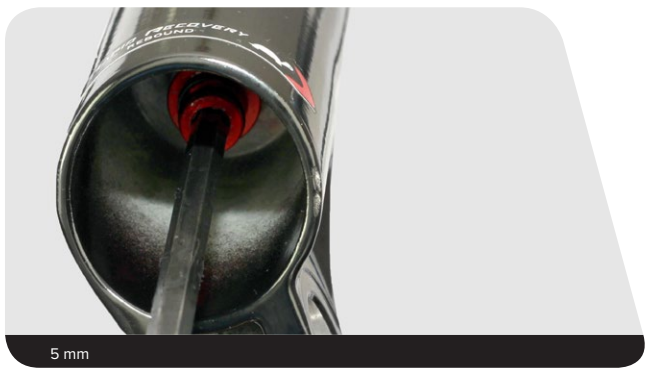
Small hex

3 Remove the rebound adjuster knob.

Rebound knob shape and length varies per fork model and wheel size. Refer to the RockShox® Spare Parts Catalog for details

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

Loosen both bottom bolts 3 to 4 turns.



5 mm

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

Remove each bottom bolt.

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

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

NOTICE

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

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

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

1 Remove the foam rings. Spray the foam rings with isopropyl alcohol and clean them with a rag.

2 Soak the foam rings in suspension oil.

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

4 Install the foam rings under the wiper seals.

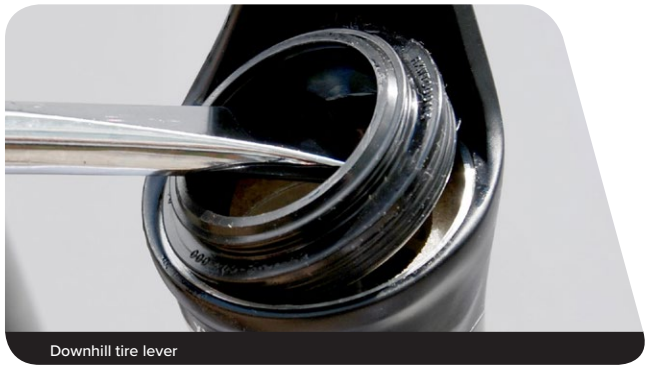
50 Hour Service Continue the 50 Hour Service with Lower Leg Installation.

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

Repeat on the other side. Discard the wiper seals.

NOTICE

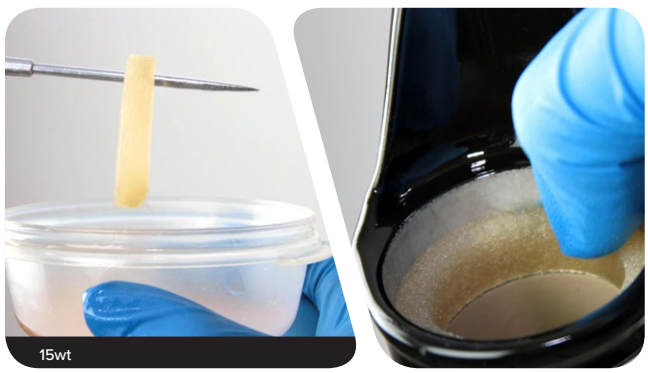
Keep the lower leg stable. Do not allow the lower leg to twist in opposite directions, compress toward each other, or be pulled apart. This will damage the lower leg.


Downhill tire lever

2 Remove and discard the foam rings.

3 Clean the inside and outside of the lower leg.

4 Soak the new foam rings in RockShox® suspension oil. Install the new foam rings into the lower leg.


15wt

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

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

7 Hold the lower leg steady and press the wiper seal into the lower leg until the seal surface is flush with the top of the lower leg.

Repeat on the other side.

NOTICE

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

8 Install the outer wire spring.

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

Solo Air™ Spring Service

Travel Change Adjustment - Optional

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

Solo Air™ Bottomless Token™ - Optional Installation

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

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

Fork Travel	Maximum Bottomless Tokens (All wheel sizes)
80 mm	3
90 mm	
100 mm	

2 Tighten the token.

⚠WARNING- EYE HAZARD

Verify all pressure is removed from the fork before proceeding. Depress the Schrader valve again to remove any remaining air pressure. Failure to do so can result in injury and/or damage to the fork.

NOTICE

Only use SRAM® Butter grease or Liquid O-Ring® PM600 military grease when servicing SID® forks. No other grease is approved for use.

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

Apply grease to the new seal or o-ring.

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

1 Remove the top cap.

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

Do not apply grease to the top cap threads.

3 Remove the jounce bottom out bumper from the air shaft.

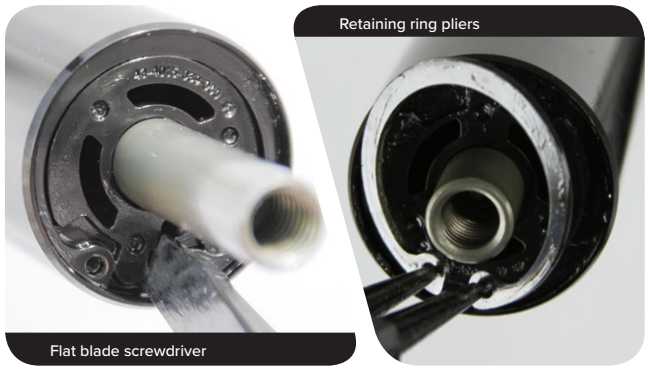
4 Push the air shaft into the upper tube to prevent it from getting scratched while removing the retaining ring.

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

Place the tips of large retaining ring pliers into the eyelets of the retaining ring. Press firmly on the pliers to push the air shaft guide into the upper tube enough to compress and remove the retaining ring.

NOTICE

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



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

6 Clean the inside and outside of the upper tube.

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

NOTICE

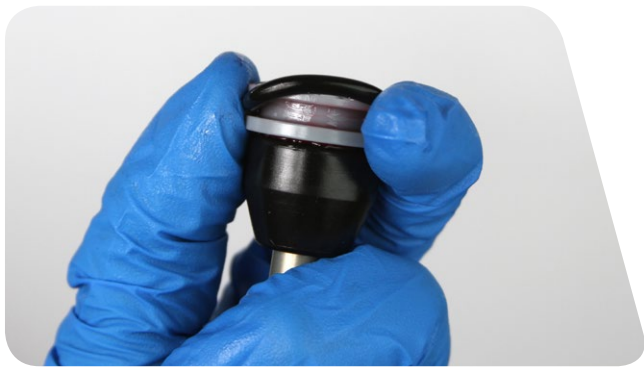
Scratches on the inside surface of the upper tube can cause air to leak. If an internal scratch is visible, then replace the crown steerer upper tube (CSU).

7 Remove the seal head assembly from the air shaft.

Clean the air shaft assembly.

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

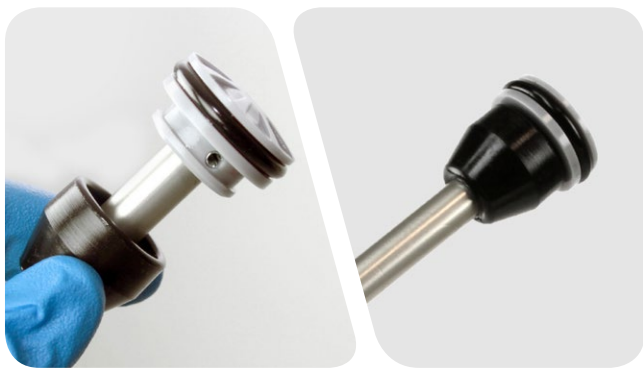
9 Remove the air piston outer o-ring. Apply grease and install a new o-ring.



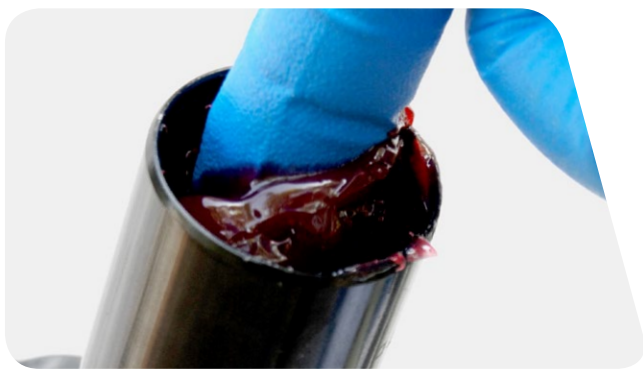
10 Remove the top out bumper cone from the air piston. Inspect the tension pin hole on the air piston. Install the top out bumper cone onto the air piston.

NOTICE

If the tension pin is protruding or not centered, replace the air shaft assembly and inspect the inside of the upper tube for damage.



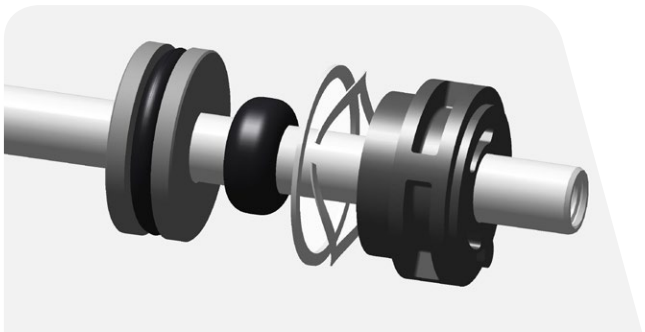
11 Apply a liberal amount of grease to the inside of the upper tube, from the end of the tube to approximately 60 mm into the tube.



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

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

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



Seal head assembly orientation

14 Push the air shaft and seal head assembly into the bottom of the upper tube.

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

Use your fingers to firmly press the air shaft guide into the upper tube until it snaps into place.

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

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

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

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

Retaining ring pliers

NOTICE

Do not scratch the air spring shaft. Scratches on the air shaft will allow air to bypass the air shaft guide into the lower leg. Scratches can result in reduced spring performance.

Confirm the retaining ring is properly seated in the retaining ring groove by using the retaining ring pliers to rotate the retaining ring and seal head back and forth a few times, then firmly pull down on the air shaft.

16 Install the jounce bottom out bumper on the air shaft.

17 Install the top cap and tighten.

Cassette tool | RLC & RL: 12.4 N·m (110 in-lb) WC: 7.3 N·m (65 in-lb)

200 Hour Service Continue the 200 Hour Service for a Charger 2 Damper™.

200 Hour Service Continue the 200 Hour Service for a Motion Control™ Damper.

200 Hour Service | Damper Service

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

RL: Remove the retention screw and knob.

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

1c **XX™:** Press the XLoc™ remote button to the compressed (open) position. Remove the compression damper.

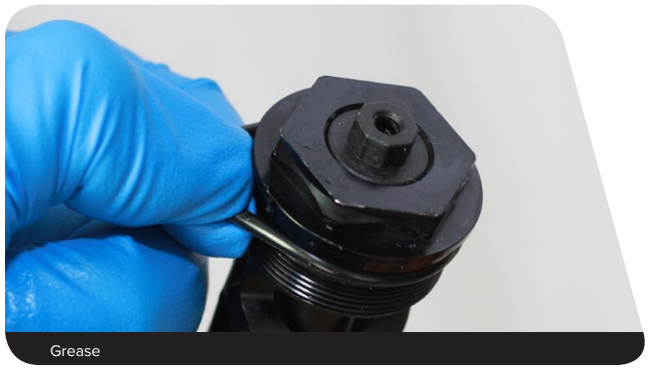
2 Loosen the compression damper top cap.

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

NOTICE

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

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


Grease

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

5 Pour the suspension oil into an oil pan.

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

NOTICE

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

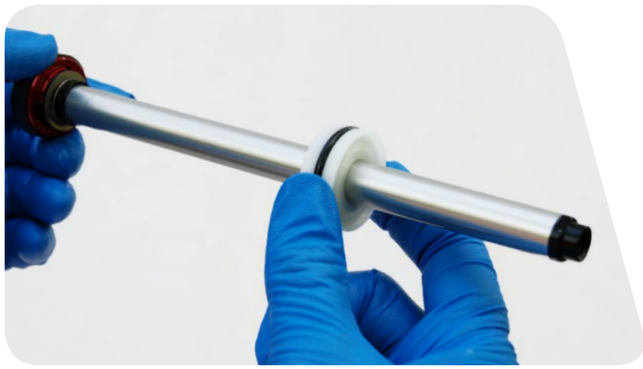

Retaining ring pliers

7 Remove the rebound damper and seal head.

8 Clean the inside and outside of the upper tube.

9 Remove the seal head from the rebound damper shaft.

Clean the rebound damper shaft.

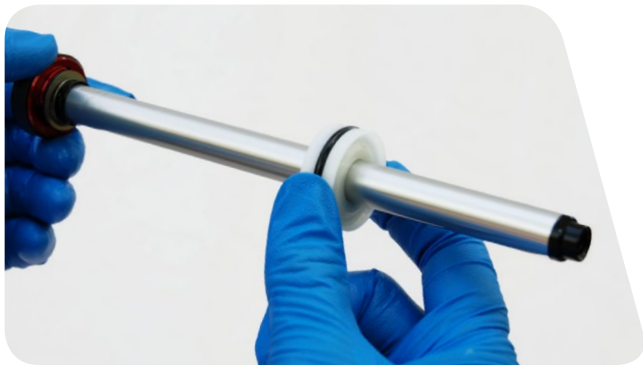


10 Remove the outer seal head o-ring. Use a pick to pierce and remove the inner seal head o-ring.

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

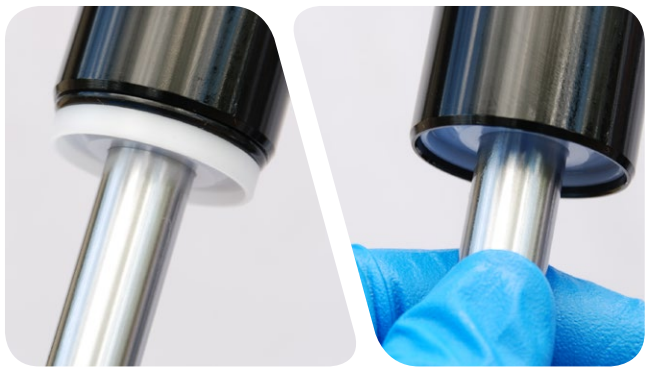
11 Remove the glide ring from the piston and install a new glide ring.

12 Install the seal head on the damper shaft.



13 Insert the rebound damper piston into the bottom of the upper tube at an angle with the *side opposite the glide ring split entering first.* Continue to angle and rotate the piston until the glide ring is inside the upper tube.

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



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

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

Install the retaining ring into the upper tube groove.

NOTICE

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

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


Retaining ring pliers

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

17 Pour suspension oil into the damper side upper tube.

Fork	Model	Oil Volume +/-2 (mL)	Oil Height (mm)
SID®	RL (2017)	100	71-77
	XX™ (2017)		

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


5wt 100mL

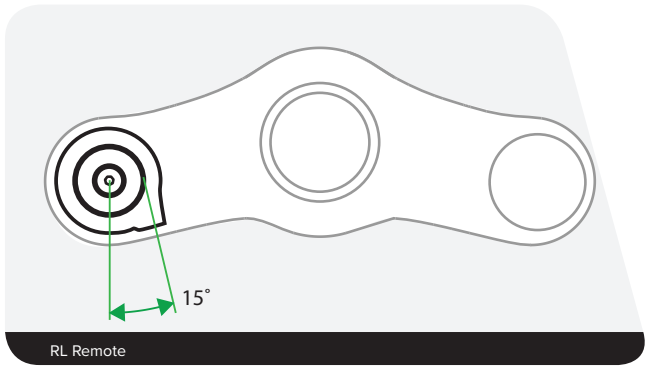
18 Install the compression damper into the upper tube. Press down and rotate in a circular motion until the damper is installed.

19 Tighten the top cap.

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

Install and tighten the retention screw.

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



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

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

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

NOTICE

Use aluminum soft jaws to protect the Charger 2 Damper assembly when using a vise.

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

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

1 **Crown adjust:** Turn the lockout adjuster knob to the open, unlocked position.

2a **Crown adjust:** Remove the low speed compression and lockout knob from the top cap. Keep the parts together and set aside.

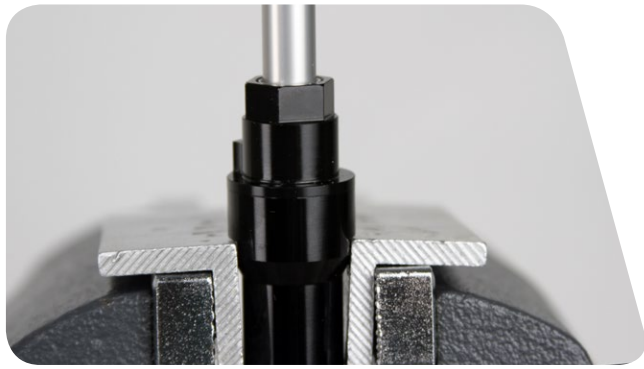
2b **Remote:** Remove the low speed compression adjuster knob and spool assembly. Remove the cable stop collar. Keep the parts together and set aside.

2c **Remote:** Remove the cable stop collar. Remove the spool.

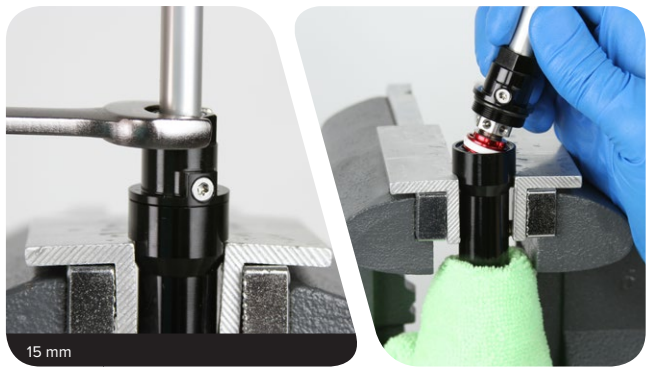
3 Remove the Charger 2 Damper™ assembly.

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

5 Clamp the wrench flats of the Charger 2 Damper™ in a vise with the rebound shaft oriented upward.

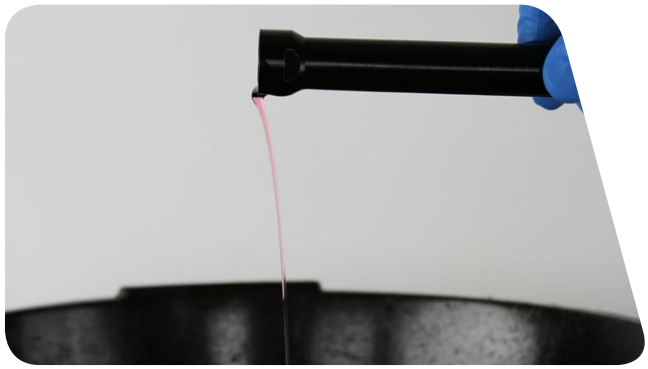


6 Use the seal head wrench flats and remove the rebound damper assembly. Wrap a rag around the cartridge tube to absorb oil.



7 Remove and discard the seal head on the rebound damper shaft.

8 Remove the cartridge tube from the vise and pour the oil into an oil pan.

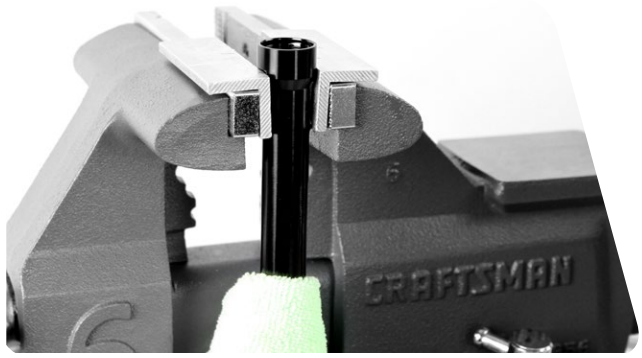


9 Squeeze the bladder to drain the oil from the top cap assembly into an oil pan.

10 Clamp the wrench flats of the cartridge tube into a vise. With the cartridge tube facing upward, spray isopropyl alcohol into it. Squeeze the bladder 2-3 times to ingest alcohol into the bladder.

11 Remove the assembly from the vise. With the cartridge tube downward, squeeze the bladder until all of the isopropyl alcohol is drained into an oil pan. Use an air compressor nozzle to dry the assembly.

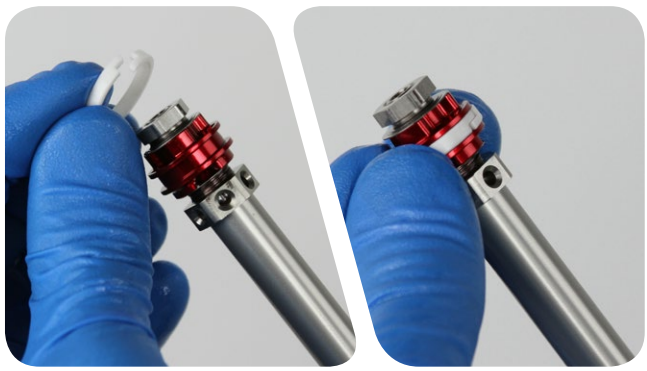
1 Clamp the wrench flats of the cartridge tube into a vise. Wrap a rag around the cartridge tube to absorb oil.



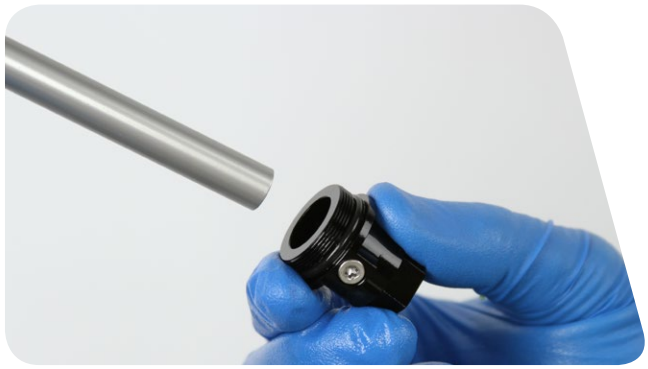
2 Pour suspension oil into the cartridge tube.

3 Squeeze the bladder until trapped air bubbles stop purging. Pour additional oil into the cartridge tube to top it off.

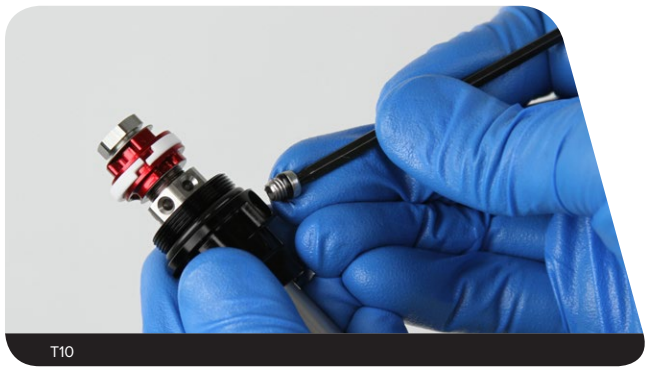
4 Replace the glide ring on the Dig Valve™ on the rebound damper.



5 Apply SRAM® Butter to a new inner seal head o-ring. Install the seal head on the rebound damper shaft.

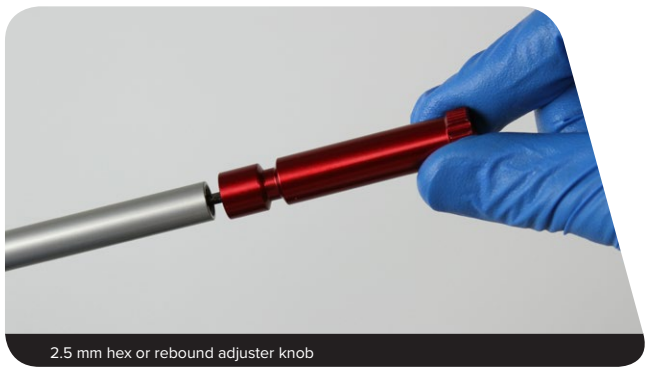


6 Remove the bleed screw from the rebound damper seal head.



7 Insert the rebound adjuster knob into the rebound damper shaft until it contacts the rebound adjuster screw. Rotate the knob counter-clockwise until it stops to open the rebound.

Remove the rebound adjuster knob from the shaft.

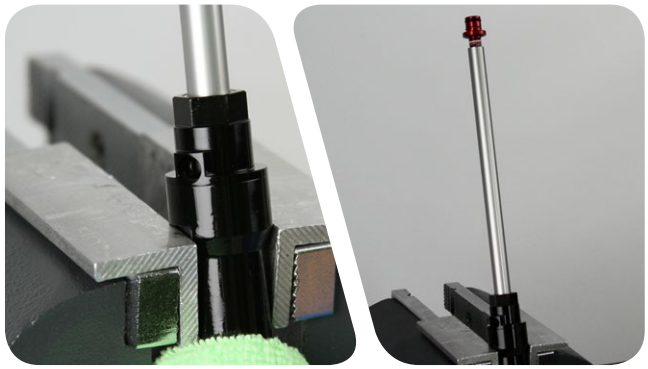


8 Wrap a rag around the cartridge tube to absorb oil.

Install the rebound assembly into the cartridge tube. Tighten the rebound seal head.

9 Reposition the Charger 2 Damper™ in the vise at an angle with the bleed port angled as upward as possible.

Install the bottom bolt into the rebound damper shaft 3-4 turns.



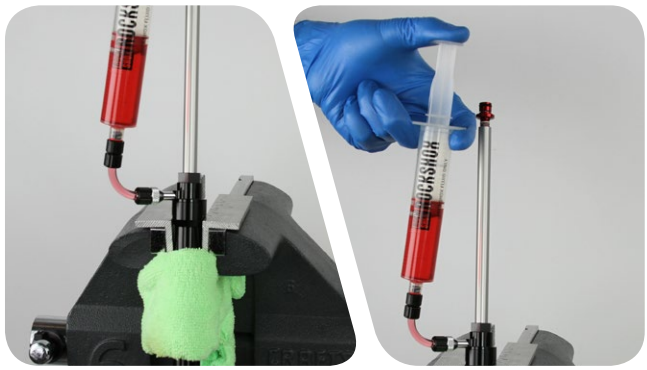
10 Fill a bleed syringe half full with suspension oil. Slowly depress the plunger to remove any air bubbles from the syringe.

NOTICE

Only use the syringe included with the RockShox Standard or Charger Bleed kit. Do not use syringes that have been in contact with DOT brake fluid. DOT brake fluid will permanently damage the damper.

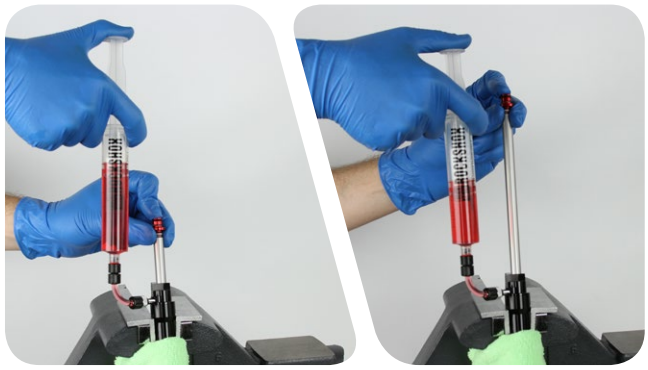
11 Thread the syringe into the seal head bleed port.

Depress the plunger to pressurize the damper assembly.



12 Push the rebound damper shaft down. Keep pressure on the plunger as the syringe fills with oil. Pull up slowly on the rebound damper shaft. Keep pressure on the syringe as oil fills the system.

Repeat pushing and pulling the rebound damper shaft, keeping pressure on the plunger, until only small bubbles emerge from the damper.

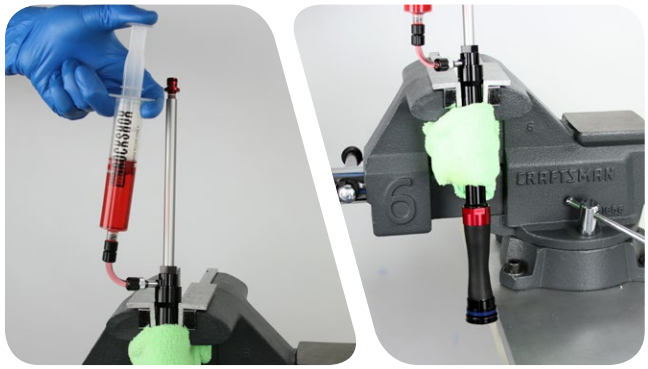


13 Fully extend the rebound damper shaft. Push the syringe handle down, then release the plunger. Allow the bladder to come to a natural resting position by waiting a few moments until the syringe stops filling.

Use a rag to cover the bleed tip and charger bleed port, then unthread and remove the syringe.

⚠CAUTION - EYE HAZARD

Fluid may eject from the bladder assembly if the bladder is not in its resting position. Wear safety glasses.



14 Install the bleed screw.

Cycle the rebound damper shaft a few times.

Remove the bottom bolt from rebound damper shaft.

Clean the Charger 2 Damper™ assembly.

Test the Bleed

1 Use a 13 mm socket to manually lock out the damper. Push down on the damper assembly to test the bleed. The shaft should not move more than 2 mm if the bleed was successful.

If the shaft moves while locked out, repeat the bleed section.

200 Hour Service Continue the 200 Hour Service with Charger 2 Damper™ - Crown Installation.

200 Hour Service Continue the 200 Hour Service with Charger 2 Damper - Remote Installation.

1 Install the Charger 2 Damper into the damper side upper tube.

2 Install the top cap and tighten.

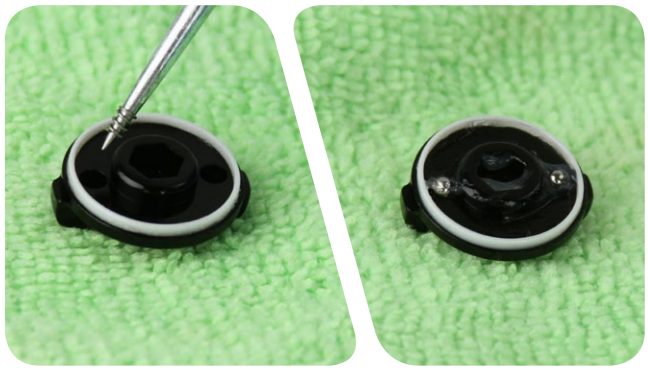
3 **RL:** Install the lockout adjuster knob on the top cap so the knob rotates from open to closed. Install and tighten the retention screw.

4 **RLC:** Install the lockout adjuster knob onto the top cap so the knob rotates from open to closed.

Use a pick to remove the glide ring, springs, and detent balls from the underside of the low speed compression knob. Clean the knob.

Install a spring into each hole on the underside of the low speed compression knob. Install a detent ball on top of each spring. Install a new glide ring into the groove.

Apply grease to the underside of the low speed compression knob to hold the springs and balls in place.



Install the low speed compression knob onto the lockout knob. Install and tighten the retention screw.

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

1 Install and tighten the Charger 2 Damper into the upper tube.

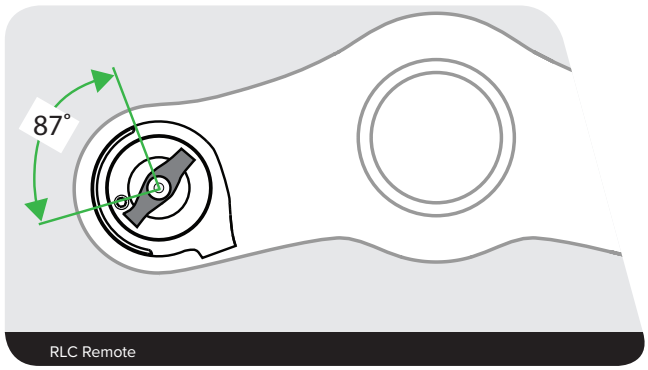
2 **RLC Remote:** Press down on the detent ring bulge to remove the low speed compression adjuster knob from the spool.

Clean the knob and spool.

Remove the glide ring on the spool. Apply grease to a new glide ring and install it.

Apply grease to the low speed compression adjuster knob. Press down on the detent ring bulge to install the low speed compression knob into the spool. Turn the knob 8-10 clicks from open.

3 **RLC Remote:** Install the cable stop collar. Install the low speed compression adjuster knob and spool assembly. Rotate the low speed compression adjuster knob as you push down on the assembly until the spool is seated.



Install and tighten the low speed compression knob screw.

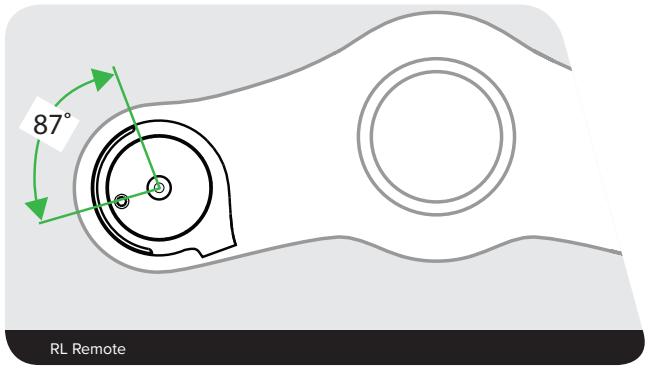
Hand tighten the cable stop collar bolt, and then tighten to 0.25-0.50 N·m (2-4 in-lb).

Consult the remote user manual for cable installation instructions.

NOTICE

Do not overtighten the cable stop collar bolt. Overtightening the bolt may result in damage to the remote top cap and cause the cable to rub.

4 **RL Remote:** Install the cable spool top.



Install and tighten the cable spool retention screw.

Install the cable stop collar. Hand tighten the cable stop collar bolt, and then tighten to 0.25-0.50 N·m (2-4 in-lb). Consult the remote user manual for cable installation instructions.

NOTICE

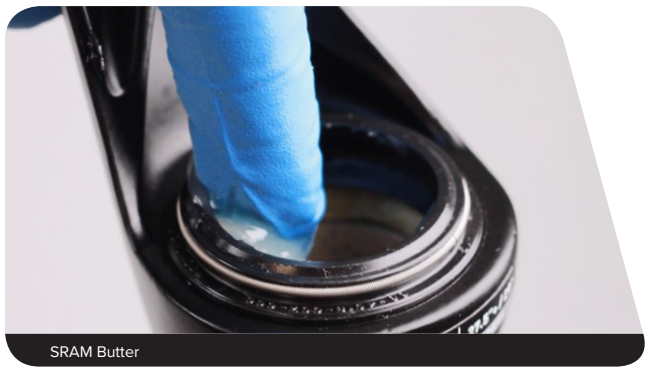
Do not overtighten the cable stop collar bolt. Overtightening the bolt may result in damage to the remote top cap and cause the cable to rub.

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

1 Clean the upper tubes.

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

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



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

NOTICE

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

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

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

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

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

NOTICE

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

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

6 **200 hour service only:** Use a pick and needle nose pliers to remove the old crush washers from each bottom bolt.

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

NOTICE

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

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

8 Install the rebound damper knob. Refer to your pre-service recorded rebound setting to adjust the rebound.

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

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

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

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

This concludes the service of your RockShox® SID® suspension fork.

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

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