ROCKSHOX

SIDLUXE

2024+
SIDLuxe IsoStrut

SERVICE MANUAL

SAFETY FIRST!

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

⚠WARNING - PRESSURIZED DEVICE

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

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

RockShox Service

We recommend that you have your RockShox suspension serviced by a qualified bicycle mechanic. Servicing RockShox suspension requires knowledge of suspension components, as well as the use of specialized tools and lubricants/fluids. Failure to follow the procedures outlined in this service manual may cause damage to your component and void the warranty.

Visit www.sram.com/service for the latest *RockShox Spare Parts Catalog* and technical information. For order information, please contact your local SRAM distributor or dealer.

Information contained in this publication is subject to change at any time without prior notice.

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

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

Suspension Safety Precautions and Warnings

SAFETY INSTRUCTIONS

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

⚠WARNING - PRESSURIZED DEVICE

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

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

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

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

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

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

⚠WARNING - CRASH HAZARD

Parts must be tightened to the specified torque.

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

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

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

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

⚠WARNING

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

⚠CAUTION

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

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

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

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

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Part Preparation and Service Procedures

Part Preparation

Remove the component from the bicycle before service.

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

⚠WARNING - CRASH HAZARD

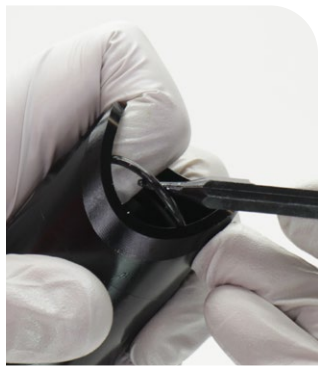
DO NOT use vinegar of any type to clean any part of a RockShox suspension product. Vinegar can cause permanent damage to parts which can, over time, result in product structural failure, serious injury, and possibly death.

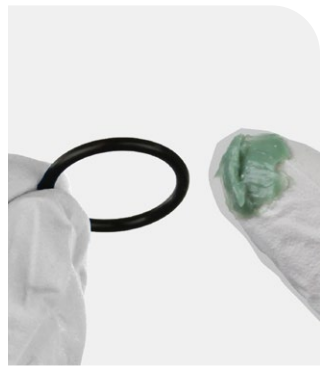
Replace the o-ring or seal with a new one from the service kit. Use your fingers or a pick to pierce and remove the old seal or o-ring.

Apply grease to the new seal or o-ring.

NOTICE

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





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

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

⚠WARNING - CRASH HAZARD

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

Specified torque value in N·m (in-lb)

Model Code Identification

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

Model Code example: **RS-SIDL-TKIS-A1**

RS = Product Type - **Rear Shock**
SIDL = Platform/Series - **SIDLuxe**
TKIS = Model - **Trek IsoStrut**
A1 = Version - (**A** - first generation, **1** - first iteration)

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

Warranty and Trademark

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

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

Parts, Tools, and Supplies - Comprehensive

Parts

- 2024+ (Gen A) SIDLuxe IsoStrut (Trek) - 100 or 200 Hour Service Kit
- 2024+ (Gen A) SIDLuxe IsoStrut (Trek) - Bottomless Tokens (blue, quantity 2)

Safety and Protection Supplies

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

Lubricants and Fluids

- Loctite Threadlocker 242 (blue) or equivalent
- Maxima PLUSH 7wt Suspension Oil (damper body)
- Maxima PLUSH Dynamic Suspension Lube Light (air can)
- RockShox Dynamic Seal Grease
- RockShox Suspension Cleaner or isopropyl alcohol

RockShox Tools

- RockShox SIDLuxe Air Valve Adapter Tool (blue) - (damper body)
- RockShox Rear Shock Vise Blocks 3-hole
- RockShox Schrader Valve Tool
- RockShox Shock Pump (600 psi max)
- SIDLuxe IFP Height Tool
- SIDLuxe Rear Shock Body Vise Block (23.8 mm)
- RockShox Rear Shock 10 mm Service Pin (IsoStrut air can to vise - horizontal)
- SIDLuxe (A2) / IsoStrut Valve Cup and Piston Bolt Socket Tool
- SIDLuxe IsoStrut Air Can Seal Sleeve Socket Tool (unthread/remove and thread/install from and into IsoStrut air can)
- SIDLuxe IsoStrut Air Can Seal Sleeve Removal Puck (socket attachment -push sealhead out of IsoStrut Air Can)

Bicycle Tools

- Cable cutter
- Shock pump (600 psi max)

Common Tools

- Adjustable or open end crowfoot socket: 19 mm
- Adjustable or open end wrench: 19 mm
- Bearing punch / Gauge pin: 1/16" / 1.5 mm (OD) - sealhead stainless compression ball removal
- Bench vise with soft jaws - flat, slotted
- Hammer / Mallet
- Hex bit sockets: 2, 2.5, 4 mm
- Hex wrenches: 1.5, 2, 2.5, 4 mm
- Light
- Magnet
- Needle nose pliers
- Pick (metallic)
- Pick (non-metallic)
- Schrader valve tool
- Socket: 14 mm
- Socket extender (5/8")
- Socket wrench
- Torque wrench

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 shock damper body and wiper seal	Extends wiper seal lifespan
		Minimizes damage to shock damper body
		Minimizes air can contamination
Every 100 Hours	Perform air can service	Reduces friction
		Restores small bump sensitivity
Every 200 Hours	Perform damper and spring service	Extends suspension lifespan
		Restores suspension performance

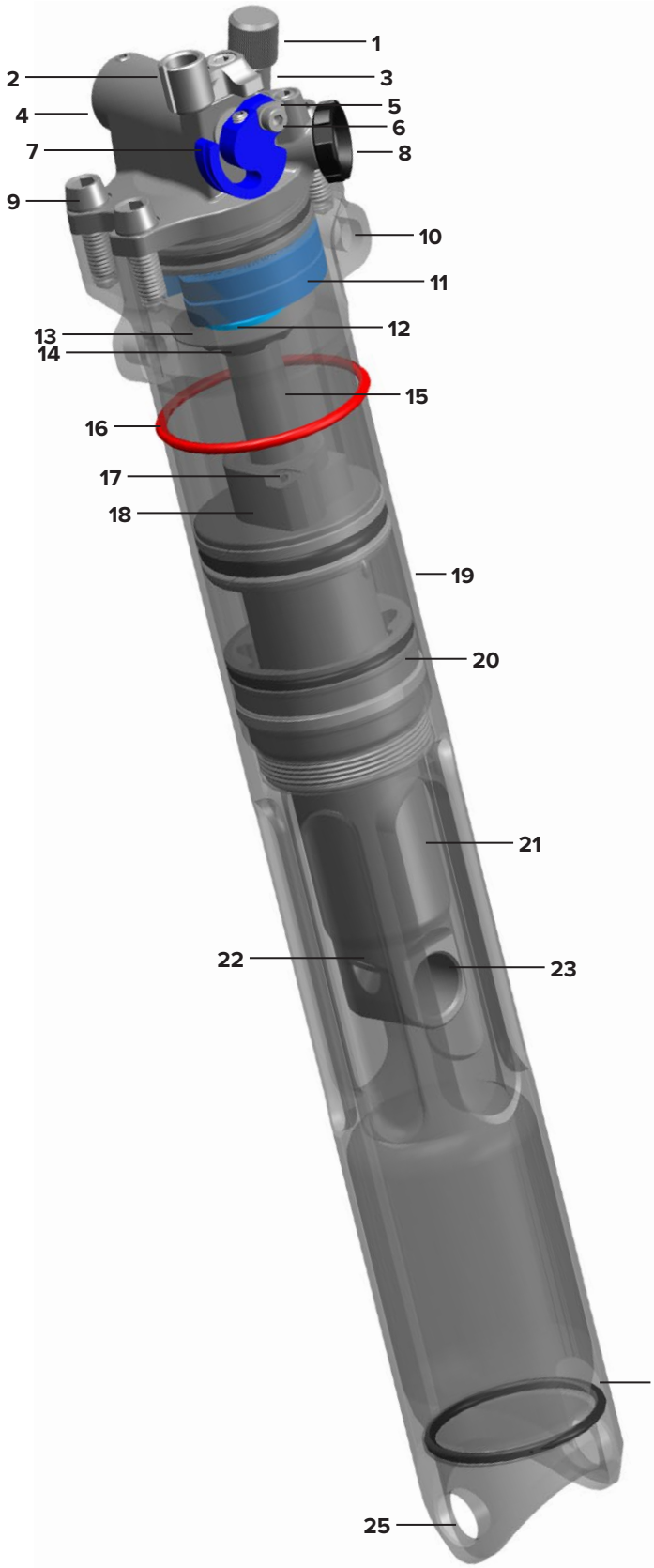
Record Your Settings

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

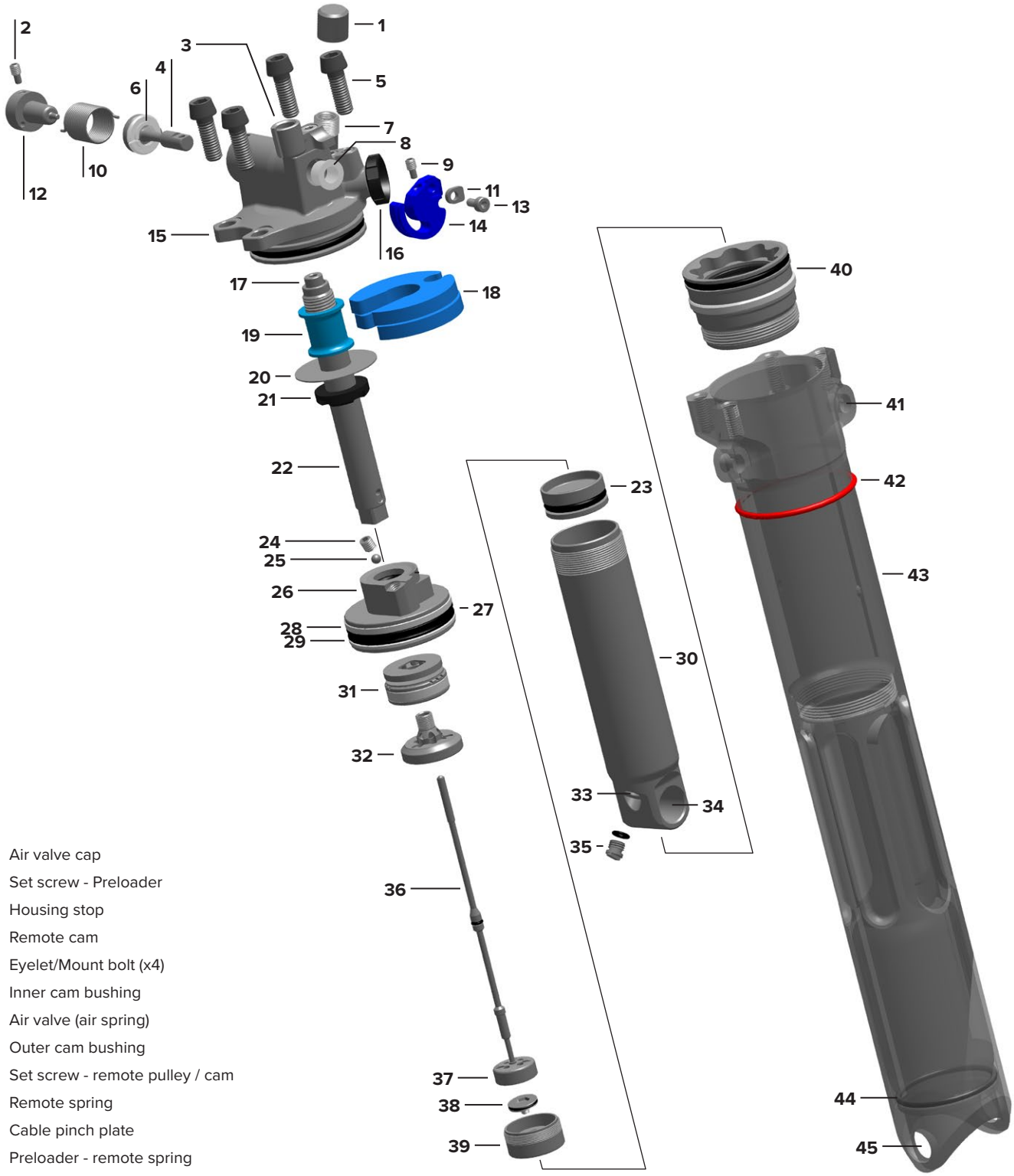
Service Hours Interval	Date of Service	Air Pressure	Rebound setting - Count the number of clicks while turning the rebound adjuster fully counterclockwise.
100			
200			
300			
400			

Torque Values

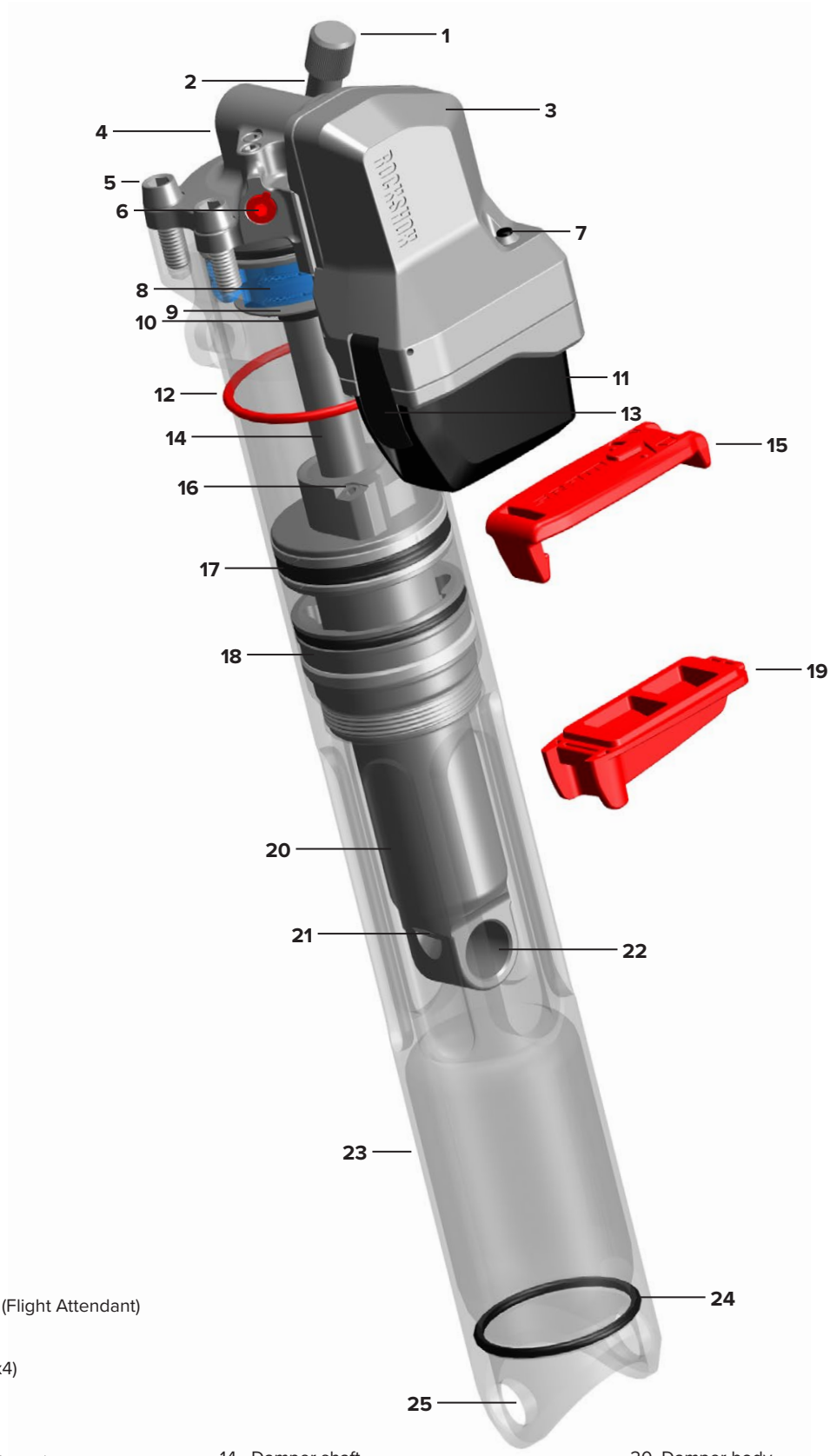
Part	Tool	Torque
Bolt (x4) - eyelet/mount to IsoStrut air can	4 mm hex bit socket	5 N•m (44 in-lb)
Bolt (x2) - remote cable housing stop	2.5 mm hex	1.1 N•m (10 in-lb)
Housing stop (remote)	2.5 mm hex	1.1 N•m (10 in-lb)
IsoStrut air can seal sleeve to IsoStrut air can	SIDLuxe IsoStrut Air Can Seal Sleeve Socket Tool	4.5 N•m (40 in-lb)
Limit screw (rebound adjuster) to eyelet/mount	2 mm hex	Tighten until limit screw flush with eyelet/mount
Limit screw (remote spring preloader) to eyelet/mount	1.5 mm hex	Tighten until limit screw flush with eyelet/mount
Mid Shim Bolt	5 mm hex	1.1 N•m (10 in-lb)
Piston bolt to damper shaft	SIDLuxe Valve Cup and Piston Bolt Socket Tool and 14 mm socket	4.5 N•m (40 in-lb)
Piston valve cup to piston bolt	SIDLuxe Valve Cup and Piston Bolt Socket Tool and 14 mm socket	2.3 N•m (20 in-lb)
Sealhead / air piston to damper body	19 mm or adjustable crowfoot	28 N•m (250 in-lb)
Set screw (rebound adjuster detent) to eyelet/mount	2 mm hex	Tighten until set screw flush with eyelet/mount
Set screw (remote lockout pulley) to remote cam	1.5 mm hex	Tighten until set screw stops
Set screw to sealhead / air piston bleed port	2 mm hex bit socket	0.56 N•m (5 in-lb)



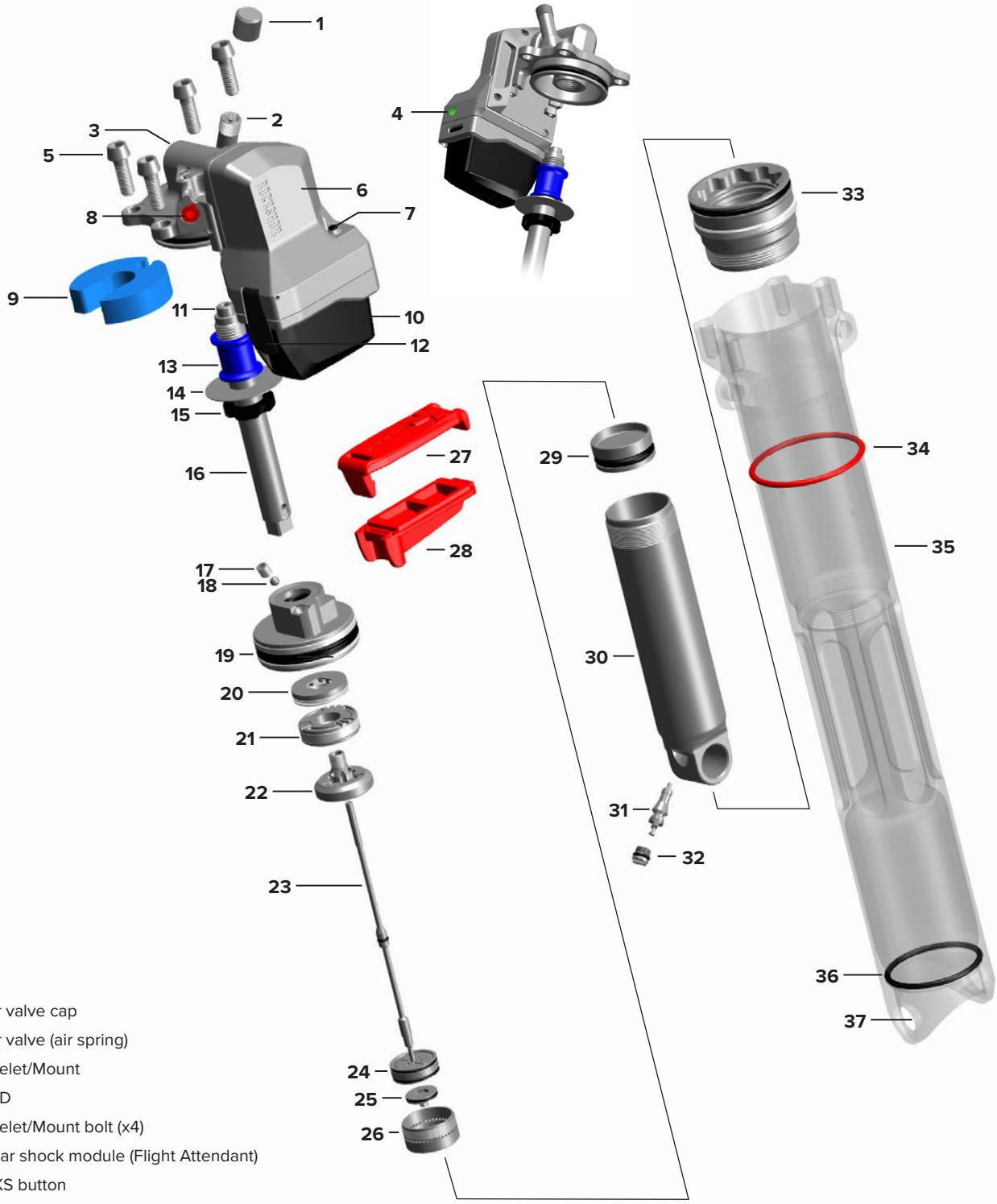
1. Air valve cap
2. Housing stop
3. Air valve (air spring)
4. Eyelet/Mount
5. Cable pinch plate
6. Cable pinch bolt
7. Pulley - remote lockout
8. Rebound adjuster
9. Eyelet/Mount bolt (x4)
10. Frame mount (x2)
11. Bottomless Token (2 max)
12. Bottom out spacer
13. Washer
14. Bottom out bumper
15. Damper shaft
16. Sag o-ring
17. Bleed screw
18. Sealhead / Air Piston
19. IsoStrut Air Can
20. Negative Seal Sleeve (IsoStrut Air Can)
21. Damper body
22. Air valve (IFP)
23. Damper body eyelet/mount
24. Strut oil plug o-ring
25. Frame mount



1. Air valve cap
2. Set screw - Preloader
3. Housing stop
4. Remote cam
5. Eyelet/Mount bolt (x4)
6. Inner cam bushing
7. Air valve (air spring)
8. Outer cam bushing
9. Set screw - remote pulley / cam
10. Remote spring
11. Cable pinch plate
12. Preloader - remote spring
13. Cable pinch bolt
14. Pulley - remote lockout
15. Eyelet/Mount
16. Rebound adjuster
17. Rebound poker
18. Bottomless Token (2 max)
19. Bottom out spacer
20. Washer
21. Bottom out bumper
22. Damper shaft
23. IFP (internal floating piston)
24. Bleed screw
25. Compression ball - nylon (bleed port)
26. Sealhead / Air Piston
27. Quad ring seal
28. Sealhead backup ring
29. Sealhead backup ring
30. Damper body
31. Damper piston / shim assembly
32. Piston bolt
33. Air valve (IFP)
34. Eyelet/Mount - Damper body
35. Air valve cap
36. Compression poker
37. Valve slider
38. Mid shim bolt
39. Valve cup
40. Negative Seal Sleeve (IsoStrut Air Can)
41. Frame mount (x2)
42. Sag o-ring
43. IsoStrut Air Can
44. Strut oil plug o-ring
45. Frame mount



1. Air valve cap
2. Air valve (air spring)
3. Rear shock module (Flight Attendant)
4. Eyelet/Mount
5. Eyelet/Mount bolt (x4)
6. Rebound adjuster
7. AXS button
8. Bottomless Token (2 max)
9. Washer
10. Bottom out bumper
11. SRAM battery
12. Sag o-ring
13. Battery latch
14. Damper shaft
15. Battery cover
16. Bleed screw
17. Sealhead / Air Piston
18. Negative Seal Sleeve (IsoStrut Air Can)
19. Battery block
20. Damper body
21. Air valve (IFP)
22. Eyelet/Mount - Damper body
23. IsoStrut Air Can
24. Strut oil plug o-ring
25. Frame mount



1. Air valve cap
2. Air valve (air spring)
3. Eyelet/Mount
4. LED
5. Eyelet/Mount bolt (x4)
6. Rear shock module (Flight Attendant)
7. AXS button
8. Rebound adjuster
9. Bottomless Token (2 max)
10. SRAM battery
11. Rebound poker
12. Battery latch
13. Bottom out spacer
14. Washer
15. Bottom out bumper
16. Damper shaft
17. Bleed screw
18. Compression ball - nylon (bleed port)
19. Sealhead / Air Piston
20. Open piston
21. Main piston
22. Piston bolt
23. Compression poker
24. Valve slider
25. Mid shim bolt
26. Valve cup
27. Battery cover
28. Battery block
29. IFP (internal floating piston)
30. Damper body
31. Schrader valve (damper body/IFP)
32. Air valve cap
33. Negative Seal Sleeve (IsoStrut Air Can)
34. Sag o-ring
35. IsoStrut Air Can
36. Strut oil plug o-ring
37. Frame mount

SIDLuxe IsoStrut Service

Prior to servicing the rear shock, remove it from the bicycle frame according to the bicycle manufacturer's instructions.

Consult the frame manufacturer for any required spare parts, lubricants, tools, and procedures required to remove and install the rear shock from the bicycle frame.

NOTICE

Use only 2024+ (A1) SIDLuxe IsoStrut spare parts and service kits with 2024+ (A1) SIDLuxe IsoStrut.

2020-2023 (A1) SIDLuxe and 2024+ (A2) SIDLuxe spare parts and service kits are NOT compatible with 2024+ (A1) SIDLuxe IsoStrut.

⚠WARNING - PRESSURIZED DEVICE

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

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

Before disassembly or service of any air system remove the air pressure from all air chambers and remove the air valve cores.

If your shock will not return to full extension, do not attempt to service or disassemble your shock. Attempting to service a shock that will not return to full extension can cause severe and/or fatal injuries.

NOTICE

When replacing seals and o-rings, use your fingers or a pick to remove the seal or o-ring. Spray RockShox Suspension Cleaner on each part and clean with a shop towel. Apply grease to the new seal or o-ring. Only use RockShox Dynamic Seal Grease when servicing RockShox shocks.

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

Prepare for Service - SIDLuxe IsoStrut Flight Attendant

Remove the rear shock according to the frame manufacturer's instructions. If the bicycle is in close proximity to the rear shock during service, remove the SRAM battery from the Flight Attendant fork Control Module to disconnect the rear shock from the fork.

1 Set the rear shock compression damper to the Open position before service.

Remove the SRAM battery from the rear shock module, then reinstall it to initiate a power cycle. The compression damper will automatically adjust to the Open position.

Remove SRAM battery

Remove SRAM battery

Install SRAM battery

Install SRAM battery

2 With the compression damper in the Open Position, remove the SRAM battery from the Rear Shock Module.

Install the battery block onto the Rear Shock Module to protect the battery contact pins.

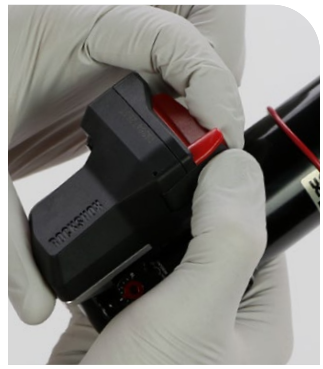
Install the battery cover onto the SRAM battery, or place the SRAM battery onto the SRAM battery charger.

NOTICE

The SRAM battery must be removed before service. If the battery is installed during service, the compression damper setting may change to the mid or closed position during service.

The battery block must be installed before service to protect the battery contact pins.



Disconnect Remote Cable - SIDLuxe IsoStrut

1 Actuate the remote and set the rear shock to the open unlocked position.

Remove the cable end cap.

Needle Nose Pliers

Needle Nose Pliers

2 Loosen the remote cable set screw.

Remove the cable from the cable set screw plate.

2 mm

3 Remove the cable housing from the remote cable housing guide.

4 It is recommended, but not required, to install a new remote shifter cable if the cable is disconnected from the shock. If a new remote shifter cable will be installed, refer to the appropriate RockShox remote user manual for cable removal and installation procedures.

5 Remove the shock from the frame. Consult the frame manufacturer for rear shock removal and installation procedures.

SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

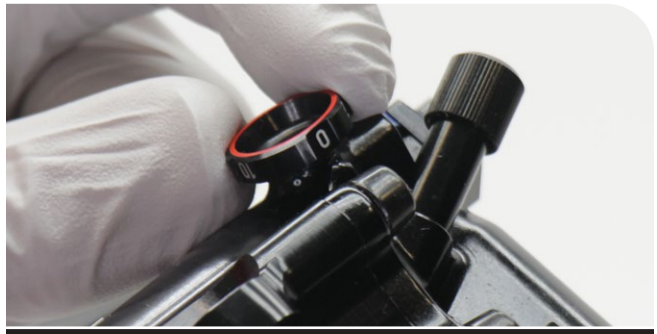
NOTICE

To avoid damage to the Flight Attendant rear shock module, do not remove the rear shock module from the shock for service. Do not clamp the rear shock module in a vise.

1 Rotate the rebound adjuster counterclockwise until it stops, while counting the number of detent clicks, to the full open (0) position.

Total rebound clicks - 10

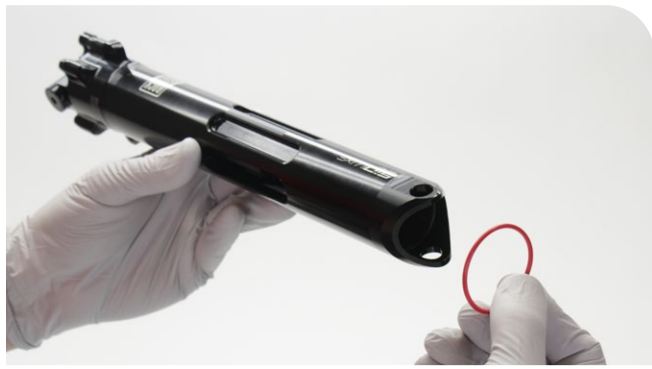
Record this number to assist you with post-service set up.



Rebound SIDLuxe IsoStrut

Rebound - 2.5 mm SIDLuxe IsoStrut Flight Attendant

2 Remove the sag indicator o-ring.

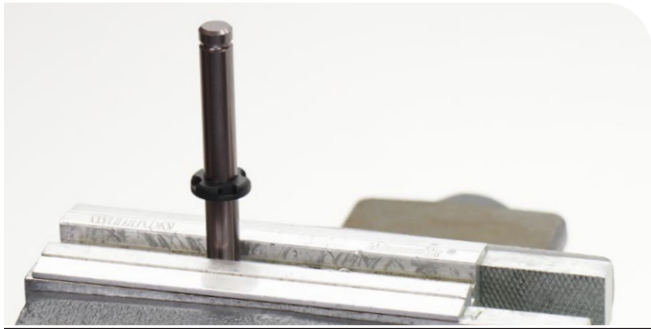


3 Clamp the RockShox Rear Shock 10 mm Service Pin (SIDLuxe IsoStrut Eyelet/Mount Vise Tool) into the RockShox Rear Shock Vise Blocks. Slide the bottom out bumper onto the pin.

Install the shock horizontally onto the 10 mm Service Pin through the eyelet/mount holes.

⚠WARNING - PRESSURIZED DEVICE

To avoid possible SERIOUS INJURY OR DEATH, position the rear shock eyelet away from you and others during disassembly.



Rear Shock 10 mm Service Pin — Aluminum Vise Blocks

Rear Shock 10 mm Service Pin — SIDLuxe IsoStrut

Rear Shock 10 mm Service Pin — SIDLuxe IsoStrut Flight Attendant

4 Record your air pressure setting to assist with post-service set up. Thread a shock pump onto the air valve and check the pressure gauge.

Remove the air valve cap by hand. Use a small hex wrench to depress the Schrader valve and slowly release all air pressure from the air can.

⚠WARNING - PRESSURIZED DEVICE

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

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

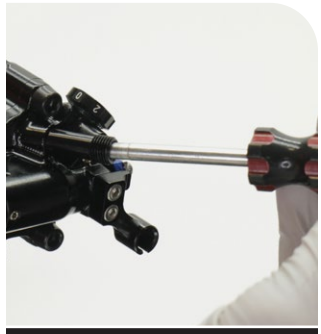
⚠CAUTION

Do not disassemble a pressurized shock, this can cause the air can, suspension fluid or debris to forcefully eject from the shock. Wear safety glasses.

Slowly release the air from the air can to make sure the air is removed from both chambers. Quickly releasing the air can trap air in the negative chamber and cause the air can to forcefully eject from the shock upon disassembly.

Use a RockShox Schrader Valve Tool to remove the valve core from the valve body to make sure all air has been removed. Set the valve core aside.

Small hex wrench



RockShox Schrader Valve Tool

5 Loosen and unthread each eyelet/mount bolt (x4) 3 full rotations counterclockwise.

Do not remove the bolts.

⚠WARNING - PRESSURIZED DEVICE

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

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

⚠CAUTION

Do not disassemble a pressurized shock, this can cause the air can, suspension fluid or debris to forcefully eject from the shock. Wear safety glasses.

4 mm

4 mm

4 mm

4 mm

6 Secure a cloth shop towel over the eyelet and the IsoStrut to prevent the eyelet from ejecting from the IsoStrut.

Unthread 3 of the bolts completely.

⚠WARNING - PRESSURIZED DEVICE

To avoid possible SERIOUS INJURY OR DEATH, position the rear shock eyelet away from you and others during disassembly.

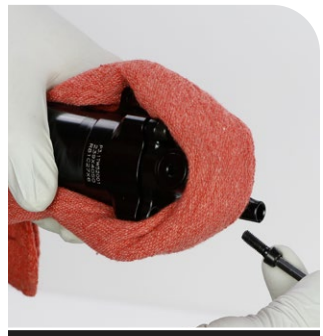
⚠CAUTION

Do not remove all four bolts before this is done to avoid the eyelet/mount ejecting suddenly from the IsoStrut air can in the event the shock is not fully depressurized.

4 mm

4 mm

4 mm



4 mm

7 While holding the cloth towel firmly over the eyelet and strut, slowly remove the final eyelet bolt until the eyelet suddenly separates from the strut. Remaining air pressure in the air spring chamber will force the eyelet from the strut. An audible pop will be heard.

⚠WARNING - PRESSURIZED DEVICE

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

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

⚠WARNING - PRESSURIZED DEVICE

To avoid possible SERIOUS INJURY OR DEATH, position the rear shock eyelet away from you and others during disassembly.

⚠CAUTION

To avoid sudden ejection of the eyelet from the strut, hold the cloth towel firmly while unthreading the final bolt.

Remove the bolt.

Slowly release pressure from the shop towel over the eyelet and allow the eyelet to further separate from the strut.

4 mm

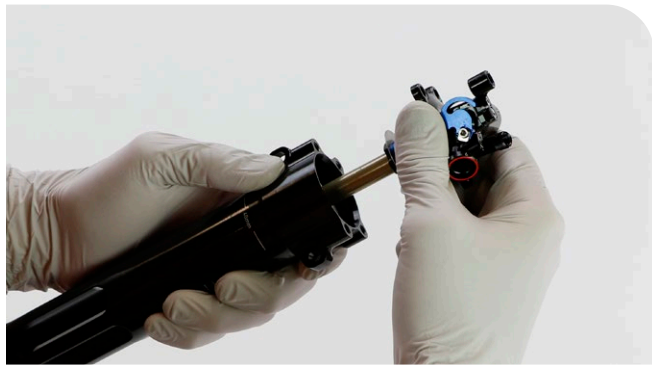
8 Remove the shock from the Rear Shock Service Pin.

Pull the eyelet/mount/shaft/piston assembly and remove it from the IsoStrut air can. Use your finger to protect the damper shaft and damper body from scratching the edge of the strut air can.

Set the eyelet/shaft/piston assembly aside.

⚠CAUTION - EYE HAZARD

Vacuum pressure will increase as you pull to remove the shock assembly from the IsoStrut air can, and may suddenly release when the sealhead clears the sealing surface inside the IsoStrut air can. Wear safety glasses.



9 Install the IsoStrut air can back onto the Rear Shock Service Pin horizontally.

Rear Shock 10 mm Service Pin Aluminum Vise Blocks

1 Install the IsoStrut Air Can Negative Seal Sleeve Socket Tool onto a long socket extender and socket wrench.

Unthread (counterclockwise) the IsoStrut air can seal sleeve located inside the IsoStrut air can. Unthread it until no resistance is felt. The seal sleeve will remain inside the IsoStrut.

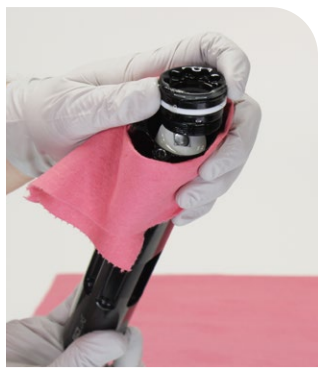
Remove the tool. Remove the IsoStrut from the Rear Shock Service Pin.

IsoStrut Air Can Negative Seal Sleeve Socket Tool

2 Insert the IsoStrut Air Can Seal Sleeve Removal Puck onto a long 5/8" socket extender. Insert the removal puck into the IsoStrut air can through the eyelet end until the edge of the puck tool stops against the seal sleeve.

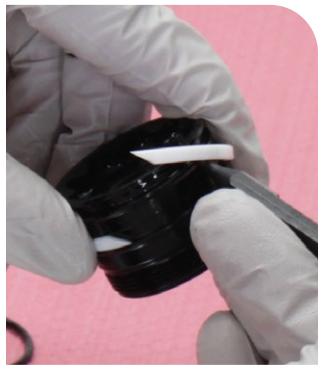
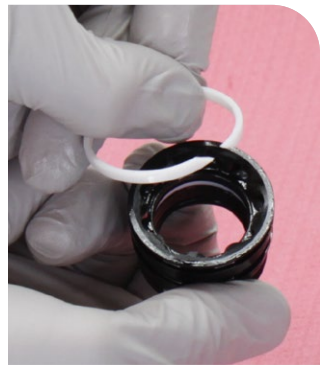
Push the seal sleeve out of the IsoStrut air can. Hold a shop towel around the end of the IsoStrut air can if excess grease and oil are present on the seal sleeve.

IsoStrut Air Can Negative Seal Sleeve Removal Puck and socket extender



3 Remove and discard the outer o-ring and bushing.

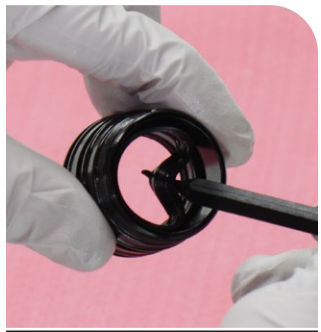


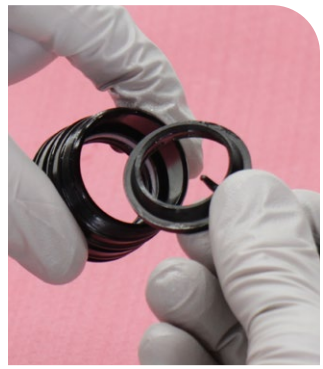



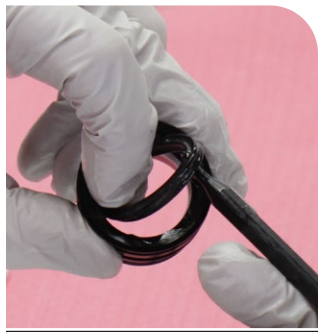
4 Remove and discard the inner wiper seal, quad ring seal, and backup ring.

NOTICE

Do not scratch the quad ring seal groove. Scratches will cause air to leak.


Pick (non-metallic)

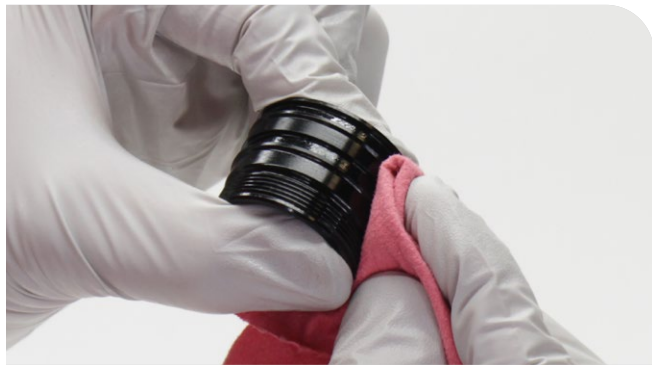



Pick (non-metallic)


Pick (non-metallic)

5 Clean the inside and outside of the seal sleeve, including the bushing and seal grooves.

RockShox Suspension Cleaner

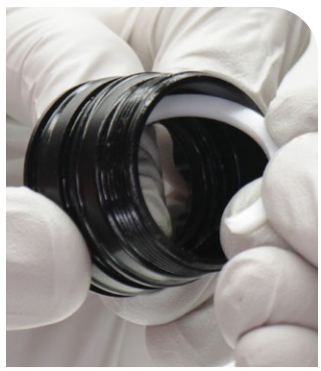


6 Apply grease to a new quad ring seal and install it.

Install a new inner backup ring.

Apply grease to a new wiper seal and install it.

RockShox Dynamic Seal Grease

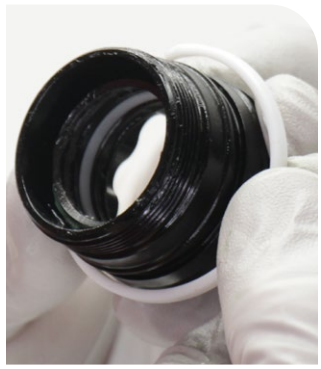


RockShox Dynamic Seal Grease

7 Install a new outer bushing.

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

Set the seal sleeve assembly aside.



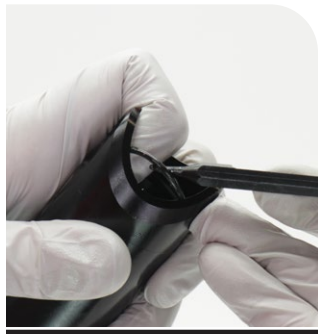
RockShox Dynamic Seal Grease

8 Remove and discard the IsoStrut air can oil plug o-ring.

Clean the o-ring groove.

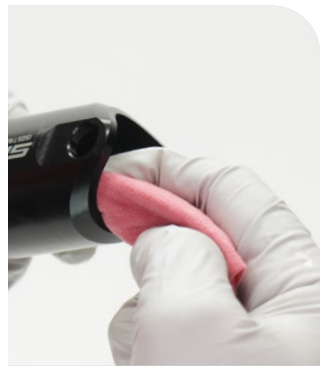
NOTICE

Do not scratch the o-ring groove. Scratches will cause air to leak.



Pick (non-metallic)

RockShox Suspension Cleaner



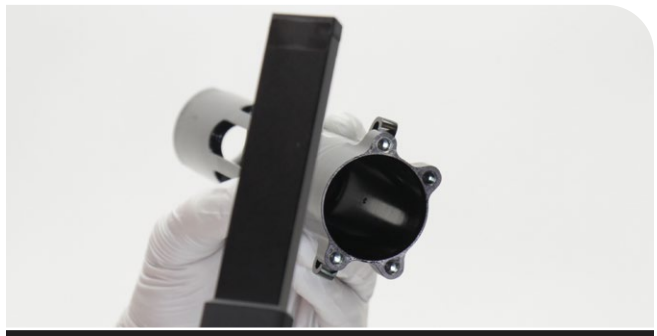
9 Clean the inside and outside of the IsoStrut air can, including the seal sleeve threads.

Inspect the inside and outside surfaces of the IsoStrut air can for scratches, dents, or deformations using a light.

Replace the IsoStrut air can if it is scratched or damaged. Internal scratches will cause air to leak. External scratches may cause oil to leak and entry of contaminants.

RockShox Suspension Cleaner

Dowel and shop towel



Light

10 Apply grease to a new IsoStrut air can oil plug o-ring and install it.

RockShox Dynamic Seal Grease

11 Insert the air can seal sleeve into the IsoStrut air can and press it in until the o-ring clears the edge of the air can.

12 Insert the IsoStrut air can onto the Rear Shock Service Pin.

Insert the IsoStrut Air Can Seal Sleeve Socket Tool into the IsoStrut air can and push the IsoStrut air can seal sleeve into the IsoStrut air can until it stops.

Tighten the air can seal sleeve to the specified torque.

Remove the IsoStrut air can from the Rear Shock Service Pin and set it aside.

Remove the Rear Shock Service Pin from the vise.

Rear Shock 10 mm Service Pin

IsoStrut Air Can Seal Sleeve Socket Tool

IsoStrut Air Can Seal Sleeve Socket Tool | 4.5 N·m (40 in-lb)

100 Hour Service To continue 100 Hour Service, go to Sealhead / Air Piston Service.

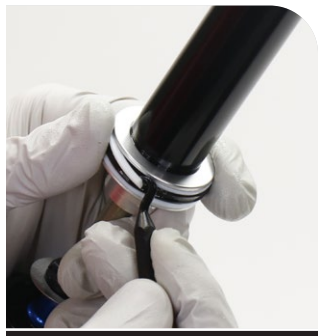
200 Hour Service To continue 200 Hour Service, go to Sealhead / Air Piston Removal and Service

SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

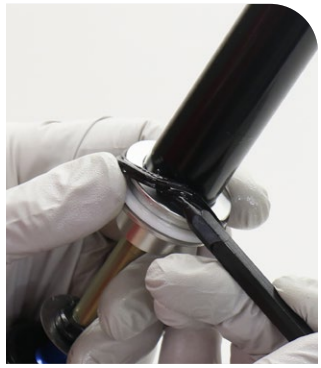
1 Remove the thin backup ring, quad ring seal, and thick backup ring from the sealhead / air piston and discard them.

NOTICE

Do not scratch the quad ring seal groove. Scratches will cause air to leak.



Pick (non-metallic)



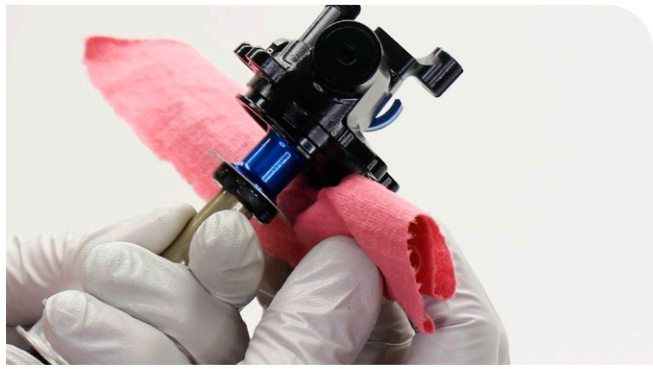
2 Remove the outer eyelet / IsoStrut air can o-ring and discard it.

Clean the o-ring groove.

NOTICE

Do not scratch the o-ring seal groove. Scratches will cause air to leak.

Pick (non-metallic)



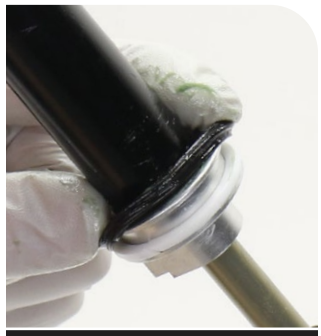
3 Clean the sealhead / air piston seal groove.

4 Apply grease to a new eyelet / IsoStrut air can o-ring and install it.

RockShox Dynamic Seal Grease

5 Install a new thick backup ring (nearest to eyelet/mount).
Apply grease to a new quad ring seal and install it.
Install a new thin sealhead backup ring.




RockShox Dynamic Seal Grease


100 Hour Service To continue Bottomless Token installation, go to Bottomless Token (optional).
100 Hour Service To continue 100 Hour Service, go to IsoStrut Air Can Installation.

Bottomless Tokens (optional)

SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

Bottomless Tokens reduce air volume in the rear shock air can and increase progression, or spring ramp, at the end of the shock's travel. Add or remove Bottomless Tokens to tune spring ramp.

Bottomless Tokens can be added or removed at any time without performing a complete service.

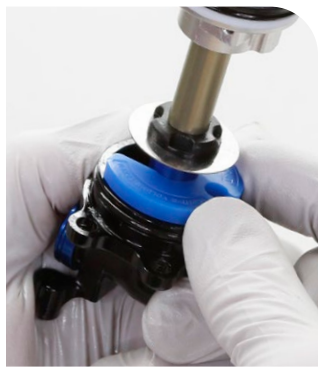
2024+ (A1) SIDLuxe IsoStrut - only blue SIDLuxe IsoStrut Bottomless Tokens are compatible.

2024+ (A1) SIDLuxe IsoStrut - IsoStrut Bottomless Tokens are not pre-installed. A maximum of 2 blue SIDLuxe IsoStrut Bottomless Tokens can be installed to tune spring ramp and bottom out as preferred.

Bottomless Token - SIDLuxe IsoStrut (blue)

1 **Install Bottomless Tokens:** Install the Bottomless Token(s) onto the bottom out spacer.

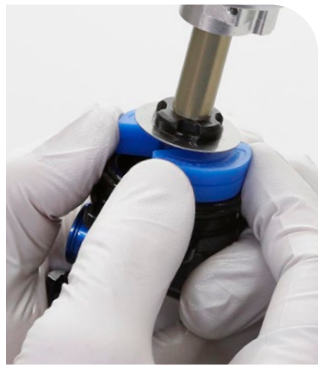
Install up to two blue Bottomless Tokens.

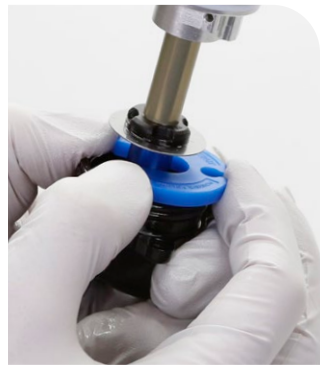





2 **Remove Bottomless Tokens:**

Remove the Bottomless Token(s) from the bottom out spacer.



100 Hour Service To continue 100 Hour Service, go to IsoStrut Air Can Installation.

Damper Removal

SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

1 Remove the damper body air valve cap.

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

Once the pressure has been released, depress the Schrader valve a second time. If the Schrader valve is able to move, the shock has been completely depressurized.

If the Schrader valve does not move at all, the shock is still pressurized and will need to be sent to an authorized RockShox dealer for further service.

⚠WARNING - PRESSURIZED DEVICE

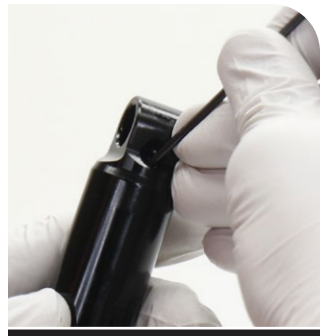
Always wear certified safety glasses (ANSI Z87.1, EN166 EU).

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

⚠CAUTION - EYE HAZARD

Verify all pressure is removed from the shock before proceeding. Failure to do so can cause the damper body to separate from the shaft eyelet/mount at a high velocity. Wear safety glasses.

RockShox Schrader Valve Tool

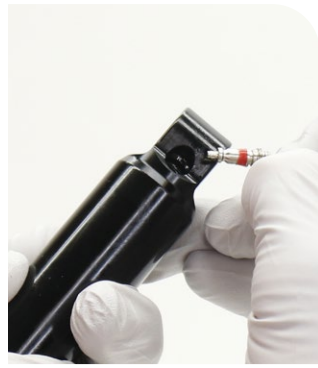


Small hex wrench or pick

2 Remove the Schrader valve core from the damper body air/nitrogen fill port to make sure all air has been removed.

Thread the Schrader valve core back into the damper body just enough to engage the threads. Do not tighten.

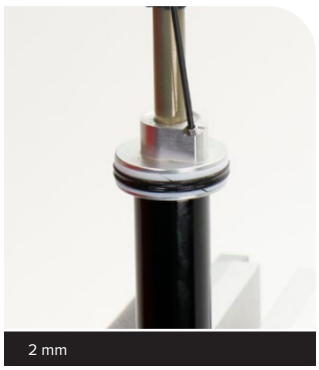
RockShox Schrader Valve Tool

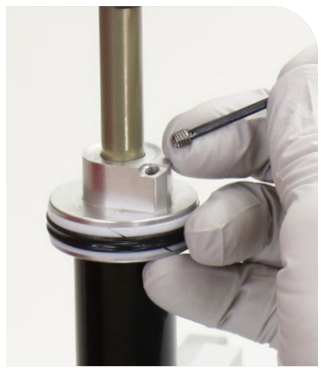


RockShox Schrader Valve Tool

3 Clamp the damper body eyelet/mount into the vise vertically.

4 Remove the sealhead / air piston bleed screw.





5 Wrap a shop towel around the damper body.

Place an oil pan beneath the damper body.

⚠WARNING - PRESSURIZED DEVICE

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

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

NOTICE

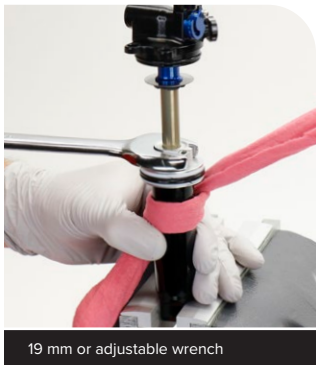
Do not scratch the damper shaft while removing the sealhead / air piston. Scratches can cause leaks.

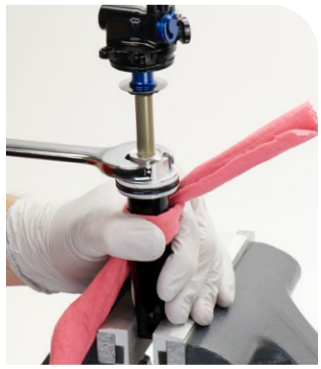
To prevent damage to the damper body, do not allow the wrench to slip from the sealhead / air piston.

Unthread the sealhead / air piston one full turn.

⚠CAUTION - EYE HAZARD

If fluid is foaming from the damper body when the sealhead / air piston is loosened, the IFP seal has failed and the fluid inside the damper is pressurized. If this occurs, stop and allow the pressure to gradually release before continuing.





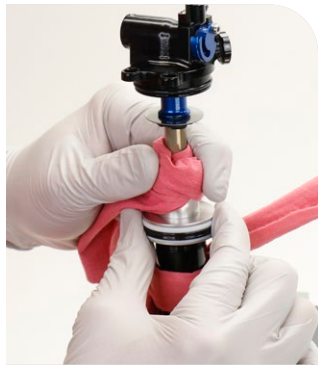
6 Secure a shop towel over the sealhead and around the damper shaft and hold it firmly to prevent the sealhead from ejecting in the event there is remaining air pressure inside the damper body.

Slowly unthread and remove the sealhead / air piston assembly from the damper body.

Remove the sealhead / air piston from the damper body and set the assembly aside.

⚠CAUTION - EYE HAZARD

Wear safety glasses. Do not position your face or any part of your head over the shock in the event there is remaining air pressure in the damper body. If the sealhead / air piston is removed before it fully depressurizes, the sealhead / air piston assembly and damper fluid can forcefully eject from the damper body. Allow the pressure to gradually release before removing the sealhead / air piston.



7 Remove the damper body from the vise and pour the damper fluid into an oil pan.

Oil pan

IFP Removal

SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

1 Tighten the Schrader valve finger tight.

RockShox Schrader Valve Tool

2 Thread the SIDLuxe Rear Shock Air Valve Adapter Tool (blue) into the damper body. Thread a shock pump onto the valve adapter.

Place the open end of the damper body flat against a shop towel to catch the IFP.

Press the damper body down and slowly pump air into the damper body until the IFP is forced out of the damper body and into the shop towel. An audible pop will be heard and felt when the IFP ejects from the damper body.

⚠WARNING - PRESSURIZED DEVICE

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

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

⚠CAUTION

Position the damper body into a shop towel to prevent injury when the IFP ejects from the damper body.

SIDLuxe Air Valve Adapter (blue)

Shock pump

3 Unthread the air valve adapter from the damper body.

SIDLuxe Air Valve Adapter (blue)

4 Unthread the Schrader valve completely, then thread it back into the damper one half turn so the threads are engaged but not tight. The Schrader valve must be loose when the IFP is reinstalled.

RockShox Schrader Valve Tool

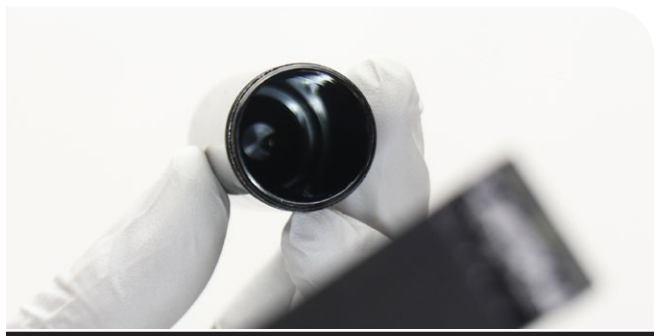
5 Spray RockShox Suspension Cleaner inside and outside of the damper body.

Place the damper body vertically onto a shop towel and allow the excess oil and cleaner to drain.

RockShox Suspension Cleaner

6 Inspect the inside and outside surfaces of the damper body for scratches, dents, or other surface deformations with a light. If any deformations are found, the damper body will need to be replaced.

Set the damper body aside.



Light

Damper Piston Removal

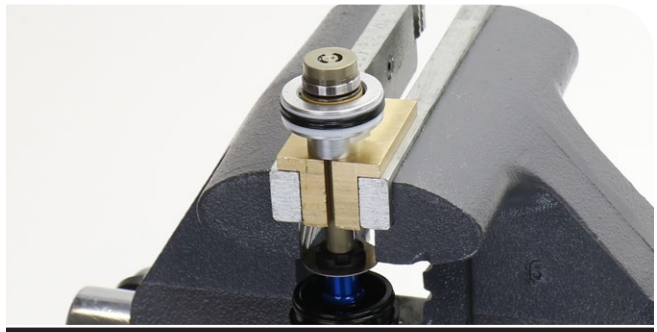
SIDLuxe IsoStrut Flight Attendant: SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

1 Clean the damper shaft and RockShox Rear Shock Vise Blocks (3 hole) - 10 mm slot so they are free of oil and/or grease.

Clamp the shaft eyelet/mount in the vise with RockShox Rear Shock Vise Blocks (3 hole) - 10 mm slot.

NOTICE

Flight Attendant: Do not damage the rear shock module. Confirm the vise does not contact the rear shock module.

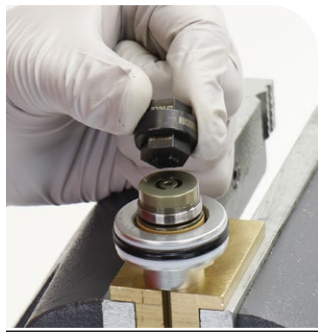


RockShox Rear Shock Vise Blocks (3 hole) - 10 mm slot — SIDLuxe IsoStrut

RockShox Rear Shock Vise Blocks (3 hole) - 10 mm slot — SIDLuxe IsoStrut Flight Attendant

2 **SIDLuxe IsoStrut:** Unthread and remove the piston valve cup.

If the mid shim tune will NOT be changed, proceed to step 3.



SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

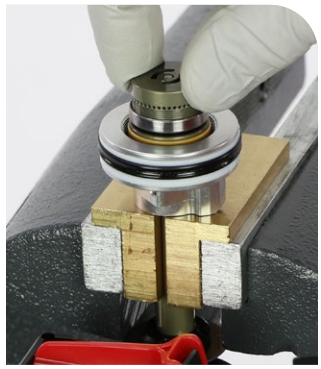
14 mm socket

SIDLuxe IsoStrut Flight Attendant: Unthread and remove the piston valve cup.

If the mid shim tune will NOT be changed, proceed to step 3.

SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

14 mm socket

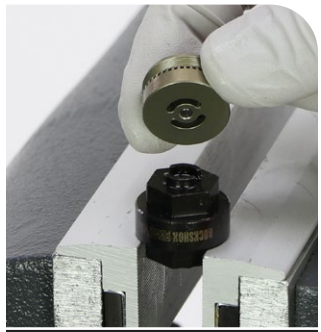


Mid Tune Change and Service (Optional)

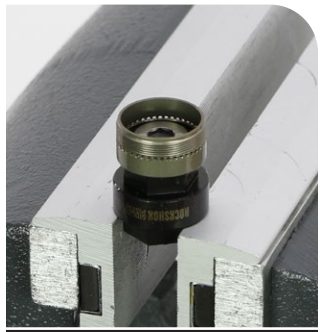
SIDLuxe IsoStrut Flight Attendant pictured. Procedures for SIDLuxe IsoStrut are the same as SIDLuxe IsoStrut Flight Attendant, unless otherwise described and/or pictured.

Optional: Remove if Mid Tune is changed (M5 standard - change to M2 or M8): Unthread and remove the mid tune bolt from the valve cup.

Clamp the SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool into a vise. Place valve cup onto the tool.



SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool



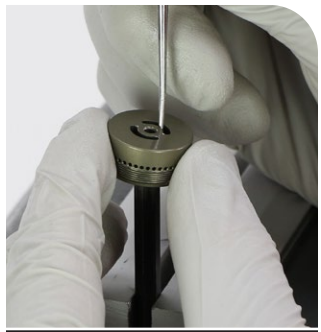
SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

Unthread the mid tune bolt one full rotation.

Clamp a 5 mm hex wrench in the vise.

Insert a pick through the valve cup and push the mid tune shims away from the valve cup.

5 mm



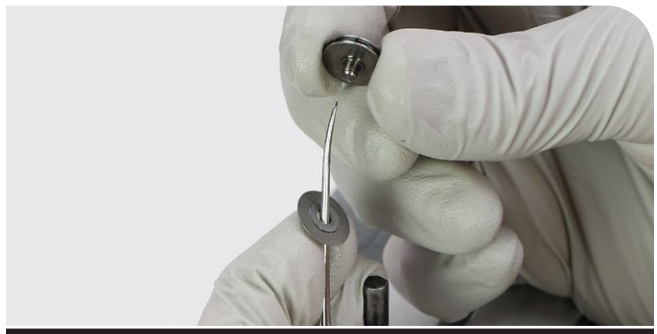
5 mm Pick

Unthread and remove the valve cup from the mid tune bolt. All mid tune shims should be on the mid tune bolt.

5 mm

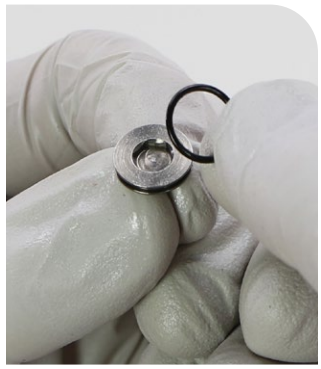
5 mm

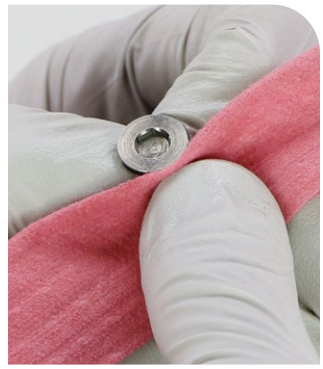
Remove the mid tune shims and set them aside.



Pick

Remove the mid tune bolt o-ring and discard it. Clean the mid tune bolt.

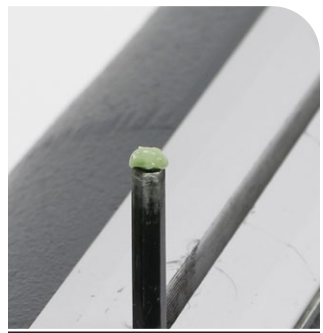




Apply grease to a new o-ring and install it onto the mid shim bolt.

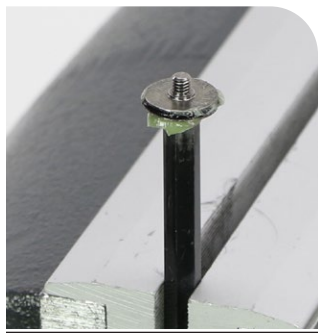
Apply grease to the end of the hex wrench.

RockShox Dynamic Seal Grease

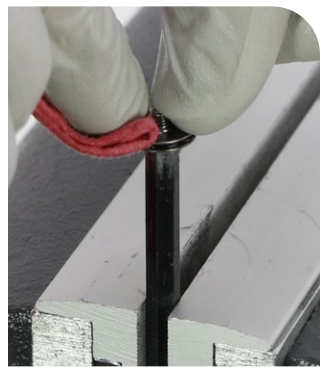


5 mm Grease

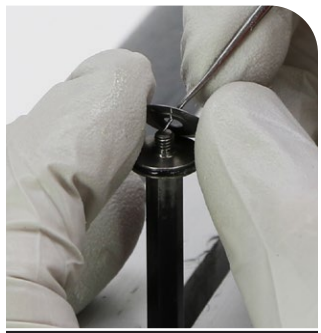
Place the mid tune bolt onto the hex wrench. Wipe away any excess grease from the mid tune bolt and the hex wrench.



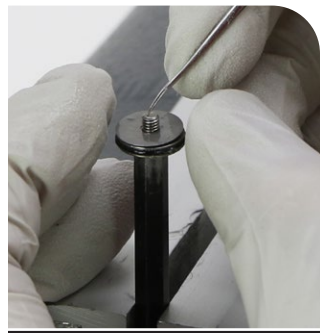
5 mm



Install the mid tune shim(s) onto the mid tune bolt, in the appropriate order. Refer to the *RockShox Rear Shock Shim Tuning Guide* for SIDLuxe IsoStrut mid tune specifications.

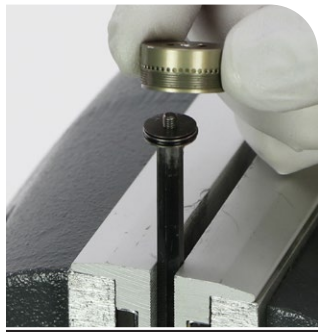


Pick

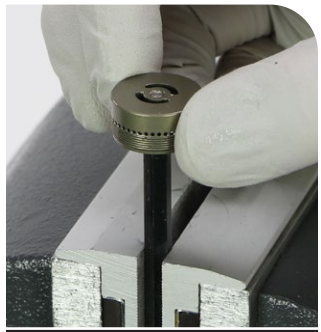


Pick

Thread the mid tune bolt into the valve slider and tighten it to the specified torque.



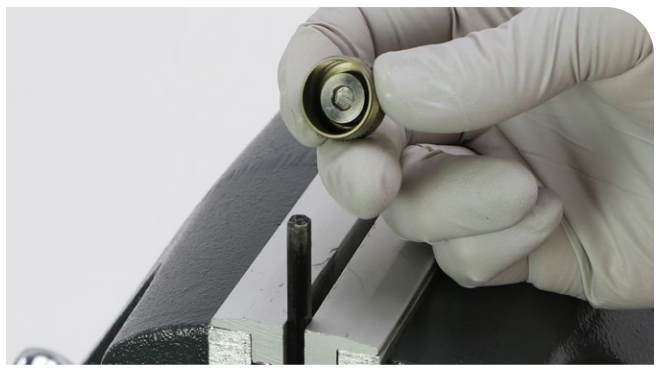
5 mm



5 mm

SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

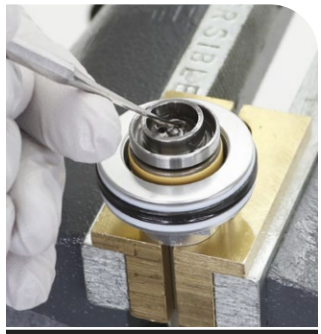
14 mm | 1.1 N·m (10 in-lb)



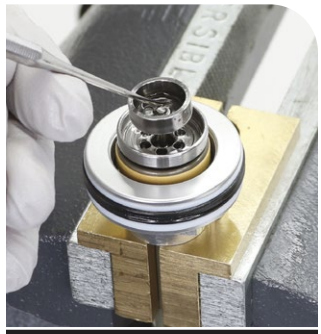
3 **SIDLuxe IsoStrut:** Insert a pick into one valve hole in the valve slider and carefully lift the valve slider up. Remove the valve slider and compression poker, and set it aside.

NOTICE

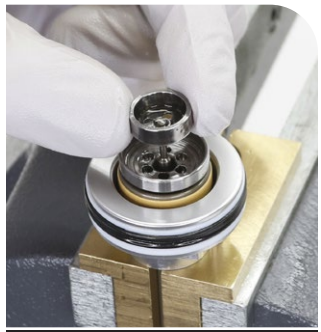
Do not damage the valve slider.



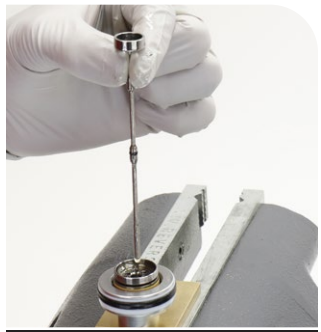
Pick SIDLuxe IsoStrut



Pick SIDLuxe IsoStrut



SIDLuxe IsoStrut



SIDLuxe IsoStrut

SIDLuxe IsoStrut Flight Attendant: Carefully lift the valve slider up. Remove the valve slider and compression poker, and set it aside.

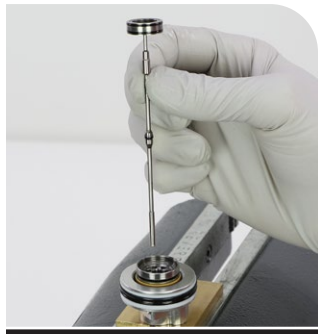
NOTICE

Do not damage the valve slider.

SIDLuxe IsoStrut Flight Attendant

SIDLuxe IsoStrut Flight Attendant

SIDLuxe IsoStrut Flight Attendant



SIDLuxe IsoStrut Flight Attendant

4 **SIDLuxe IsoStrut:** Remove the o-ring from the compression poker and discard it.

Clean the compression poker.

Apply grease to a new o-ring and install it onto the compression poker.

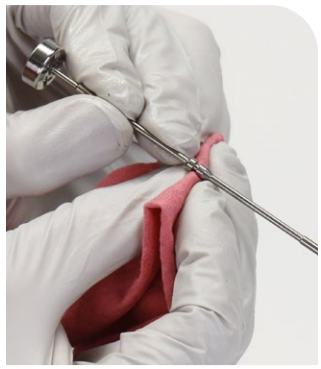
Set the compression poker aside.

NOTICE

Do not scratch the compression poker. Scratches will cause oil to bypass the o-ring seal.

Do not remove or lose the detent ball installed into the end of the compression poker.

Pick (non-metallic)



RockShox Dynamic Seal Grease

SIDLuxe IsoStrut Flight Attendant: Remove the o-ring from the compression poker and discard it.

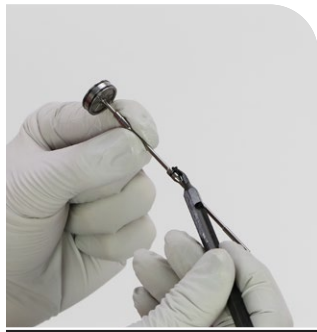
Clean the compression poker.

Apply grease to a new o-ring and install it onto the compression poker.

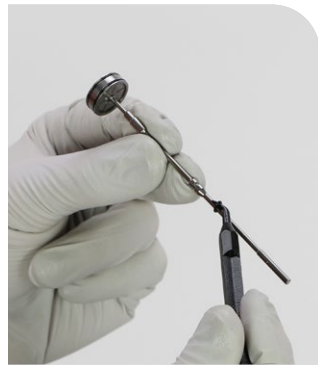
Set the compression poker aside.

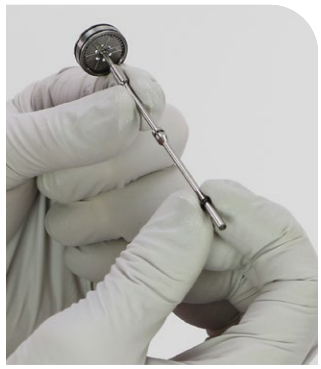
NOTICE

Do not scratch the compression poker. Scratches will cause oil to bypass the o-ring seal.



Pick (non-metallic)



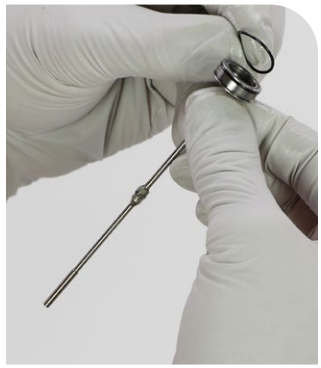


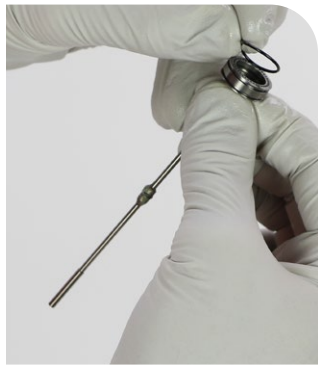
RockShox Dynamic Seal Grease

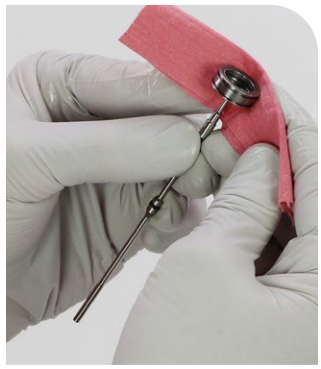
5 **SIDLuxe IsoStrut Flight Attendant:** Remove the o-rings (2) from the valve slider, and discard them.

Clean the valve slider.

Apply grease to, and install, new o-rings onto the valve slider.





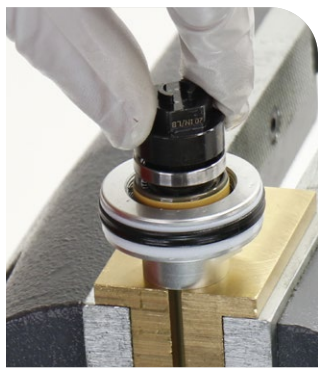


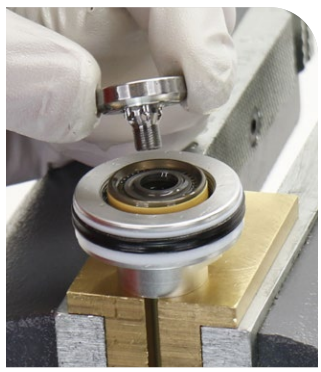
RockShox Dynamic Seal Grease

6 **SIDLuxe IsoStrut and SIDLuxe IsoStrut Flight Attendant:** Unthread and remove the piston bolt.

SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

14 mm socket

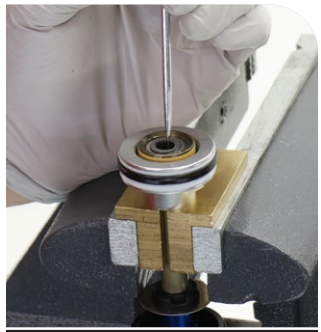




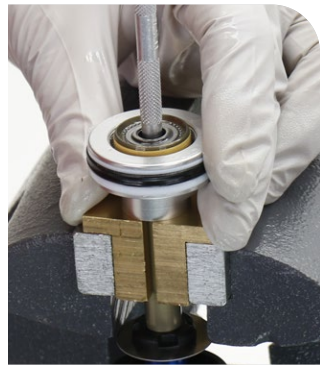
7 **SIDLuxe IsoStrut and SIDLuxe IsoStrut Flight Attendant:** Insert a pick through the piston assembly, and into the damper shaft.

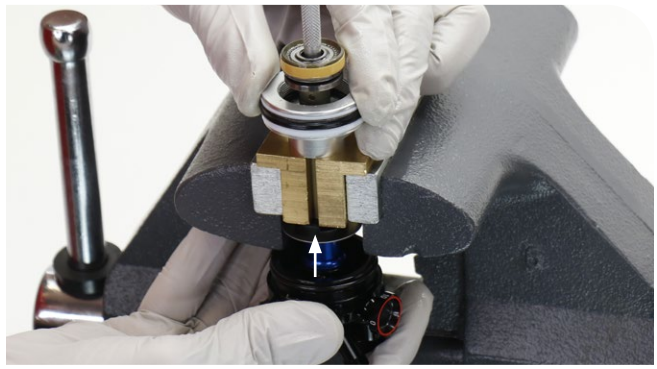
Loosen the vise and slide the damper shaft up. Slide the sealhead down to expose the damper piston.

Tighten the vise.



Pick





8 **SIDLuxe IsoStrut and SIDLuxe IsoStrut Flight Attendant:** Remove the piston and shim stacks from the damper shaft, and slide the piston and shim stacks onto the pick to keep them all together in the correct order.

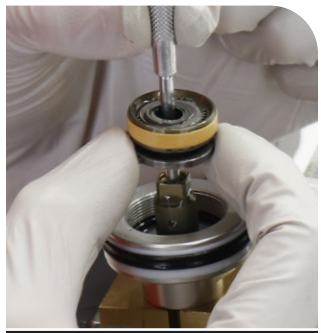
Do not disassemble the valve cup, shim stacks, or the main piston assembly.

Set the pick and piston assembly aside to keep the parts assembled and in the correct order.

NOTICE

If the damper piston assembly is disassembled, it will need to be reassembled.

If any piston assembly parts are installed in the incorrect order, the piston assembly, including the tune shim stacks, must be reassembled in the correct order for proper shock function. Refer to the Rear Suspension Shim Tuning Guide for piston assembly and shim stack configurations.



Pick

Pick

Pick

Pick SIDLuxe IsoStrut

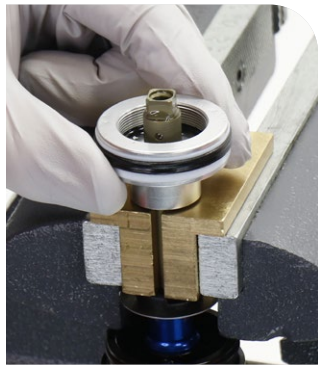
Pick SIDLuxe IsoStrut Flight Attendant

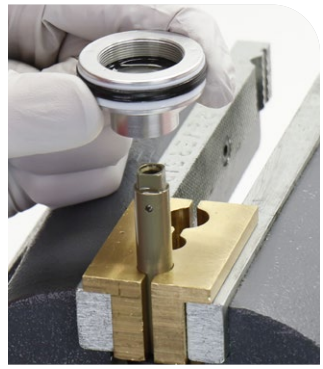
Sealhead / Air Piston Removal and Service

SIDLuxe IsoStrut Flight Attendant: SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

1 Remove the sealhead / air piston assembly from the damper shaft.

Remove the damper from the vise and set it aside.





2 Remove the nylon compression ball from the sealhead / air piston.

Clamp the sealhead in a vise with flat aluminum vise blocks.

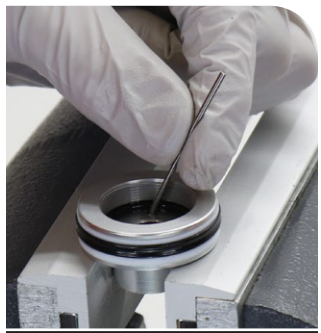
Insert a bearing punch 1/16" / 1.5 mm (OD) into the bleed hole at the correct angle, from the underside of the sealhead.

Gently tap the bearing punch and push the nylon compression ball out of the sealhead through the bleed port.

The nylon compression ball will be deformed and cannot be reused. Discard the original nylon compression ball.

NOTICE

To ensure proper function, do not reuse the nylon compression ball.

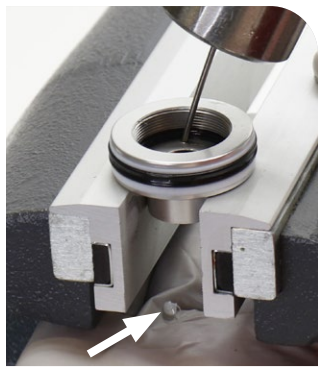


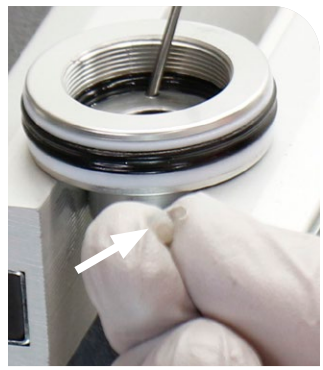
Bearing punch - 1/16" / 1.5 mm (OD)

Hammer / Mallet

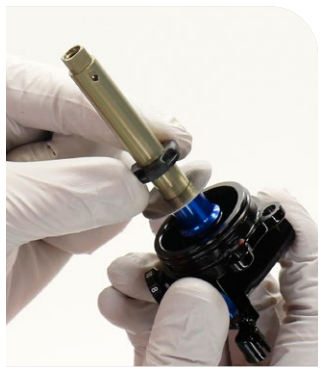
Remove bearing punch from the sealhead.

Remove the sealhead from the vise and set it aside.





3 Remove the bottom out bumper and discard it.



4 Remove the washer.

Remove the bottom out spacer and clean it.

5 Remove the outer eyelet / IsoStrut air can o-ring and discard it.

Clean the o-ring groove.

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

Set the eyelet/damper shaft assembly aside.

RockShox Suspension Cleaner

6 Remove the large sealhead inner o-ring and discard it.

Pick (non-metallic)

Pick (non-metallic)

7 Pierce and remove the small inner o-ring and discard it.

NOTICE

Do not scratch the inner o-ring groove. Scratches will cause air to leak.

Pick (metallic)

Pick (metallic)

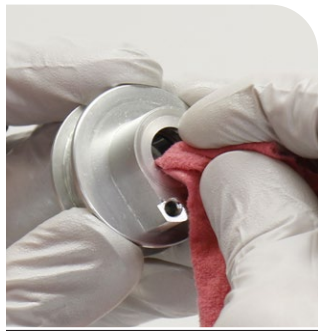
8 Remove the outer thin backup ring, quad ring seal, and thick backup ring and discard them.

NOTICE

Do not scratch the quad ring seal groove. Scratches will cause air to leak.

Pick (non-metallic)

9 Clean the sealhead / air piston including the inner and outer seal grooves.



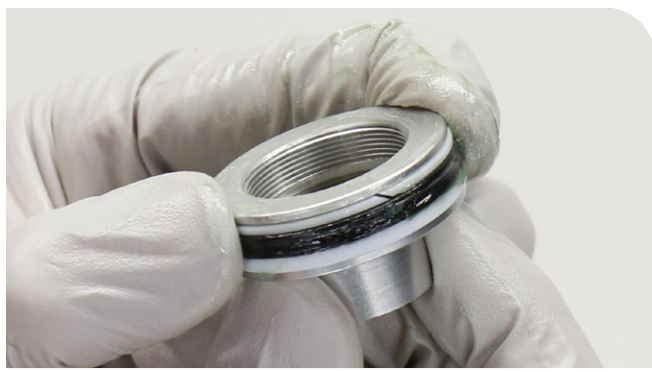
RockShox Suspension Cleaner

10 Install a new thick backup ring.

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

Install a new thin backup ring.

RockShox Dynamic Seal Grease



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

RockShox Dynamic Seal Grease

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

Use the hooked end of a non-metallic pick to help guide the o-ring into the groove.

Set the sealhead / air piston assembly aside.

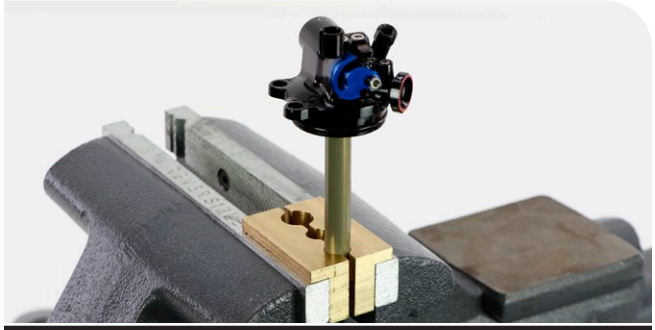
RockShox Dynamic Seal Grease

Pick (non-metallic) - hooked end

1 Clamp the end of the damper shaft into RockShox Rear Shock vise blocks (10 mm slot) lightly but tight enough that it does not slip in the vise blocks.

NOTICE

Overtightening the vise can permanently damage the damper shaft. Do not overtighten the vise.



RockShox Rear Shock Vise Blocks (10 mm)

2 Remove the remote cable pinch bolt and cable pinch plate from the remote pulley.

2 mm

3 While holding the remote spring preloader in place, remove the remote spring preloader limit screw from the eyelet/mount.

1.5 mm

4 mm

4 Slowly allow the remote spring and preloader to unwind while holding the preloader in with your thumb and the 4 mm hex wrench.

4 mm

5 Remove the remote spring preloader.
Clean the preloader and set it aside.


4 mm

6 Remove the remote spring.
Discard the remote spring.


Pick (non-metallic)

7 Remove the remote pulley/cam limit screw.
Remove the remote pulley from the remote lockout cam.
Discard the remote pulley.


1.5 mm
(limit screw - remote pulley/cam)

8 Remove the outer bushing from the eyelet/mount.
Discard the outer bushing.

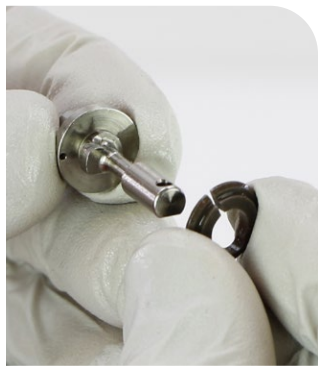

Pick (non-metallic)

9 Push the remote lockout cam into and through the eyelet/mount and remove the remote lockout cam.

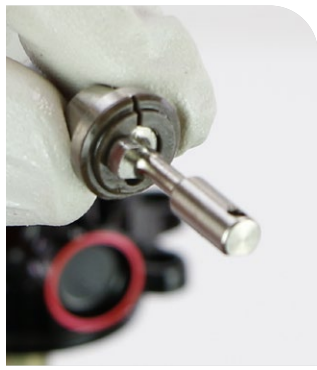
Pick (non-metallic)

10 Clean the remote lockout cam.

Remove the inner bushing from the remote lockout cam and discard the bushing.



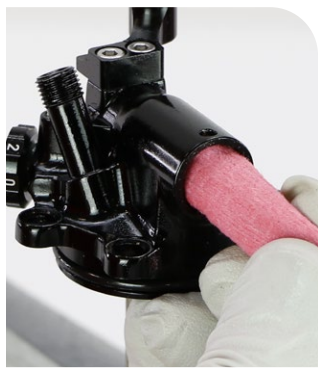
11 Install a new inner bushing onto the remote lockout cam.



12 Clean inside the remote cam slot in the eyelet. Clean the outside of the eyelet.

NOTICE

Do not push contaminates into the eyelet/mount. Contaminates can damage parts or interfere with proper adjuster functions.



13 Install a new outer bushing into the eyelet/mount; press the bushing into the eyelet/mount.

14 Apply grease to the tapered end of the remote lockout cam.

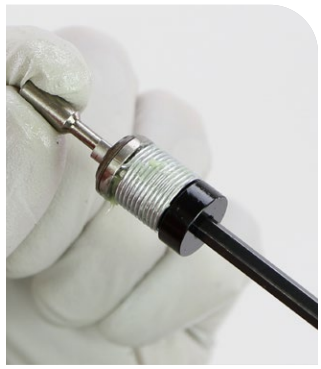
RockShox Dynamic Seal Grease

15 Apply a thick layer grease to the inside and outside of a new remote lockout spring.

RockShox Dynamic Seal Grease

16 Insert one spring tang into the hole in the remote lockout cam.

Insert the other spring tang into the remote lockout preloader and seat the preloader centered in the remote spring.



17 Insert the remote lockout cam, spring, and preloader into the eyelet/mount. Hold the outer cam bushing on the other side in with your finger.

Seat the end of the cam into the outer cam bushing.

Use a 4 mm hex wrench to push the preloader into the eyelet/mount, compress the remote spring, and fully seat the end of the cam through the outer cam bushing.

4 mm

4 mm

18 Install a new remote pulley onto the end of the remote cam.

Insert the limit screw into the remote pulley and the end of the remote cam. Thread the limit screw carefully into the remote cam and tighten the limit screw until it bottoms out and stops.

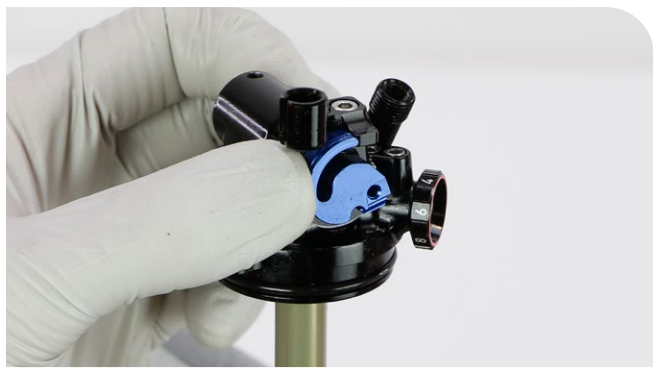
Confirm the remote pulley is securely installed.

NOTICE

Do not overtighten the limit screw. Overtightening can strip the threads in the remote cam.

1.5 mm

1.5 mm Limit screw stops

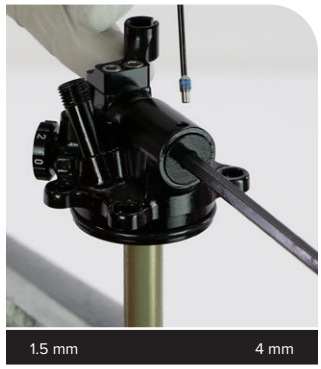


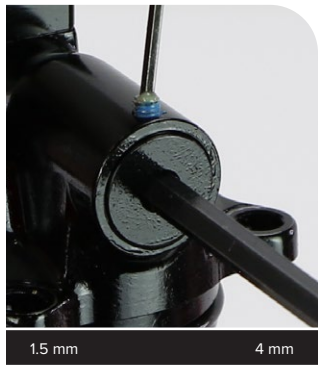
19 Hold the preloader pushed into the eyelet/mount.

Rotate the preloader with the hex wrench clockwise approximately 360 degrees. The limit screw hole in the preloader should be aligned with the limit screw hole in the eyelet/mount.

Insert the preloader limit screw into the eyelet/mount and thread it into the preloader.

Tighten the limit screw until it is flush with the eyelet/mount.





20 Install the cable pinch plate and cable pinch bolt onto the pulley; tighten the cable pinch bolt finger tight.

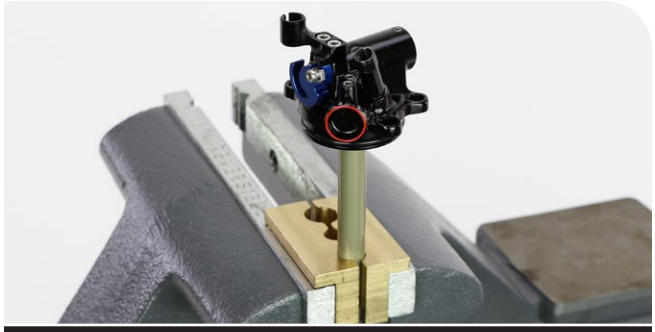
21 **Test Function** - Rotate the remote pulley clockwise to test the remote spring.

If damaged, the remote cable housing stop should be replaced.

1 Clamp the end of the damper shaft into RockShox Rear Shock vise blocks (10 mm slot) lightly but tight enough that it does not slip in the vise blocks.

NOTICE

Overtightening the vise can permanently damage the damper shaft. Do not overtighten the vise.



RockShox Rear Shock Vise Blocks (10 mm)

2 Remove each housing stop bolt.

2.5 mm

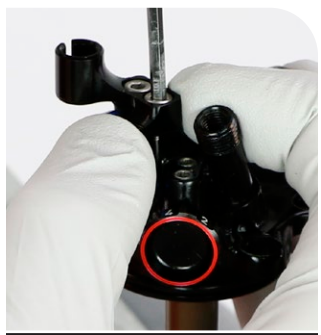
2.5 mm

3 Remove and discard the housing stop.

Clean the housing stop mount area.

4 Install a new housing stop.

2.5 mm



2.5 mm

5 Tighten each bolt to the specified torque.

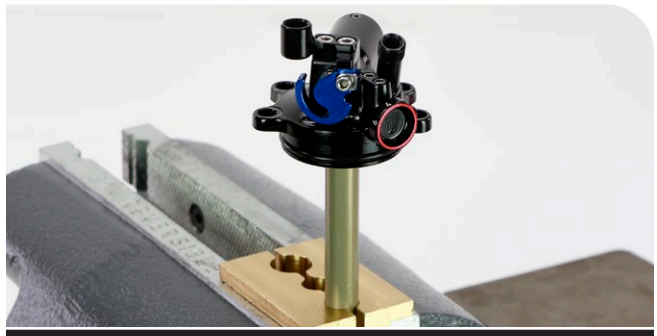
2.5 mm | 1.1 N·m (10 in-lb)

2.5 mm | 1.1 N·m (10 in-lb)

1 Clamp the end of the damper shaft into RockShox Rear Shock vise blocks (10 mm slot) lightly but tight enough that it does not slip in the vise blocks.

NOTICE

Overtightening the vise can permanently damage the damper shaft. Do not overtighten the vise.



RockShox Rear Shock Vise Blocks (10 mm)

2 Rotate the rebound adjuster fully counterclockwise to the full open setting.

3 Remove the rebound adjuster detent set screw.

2 mm

2 mm

4 Remove the detent spring and detent ball bearing.

Magnet

Small hex wrench Grease

5 Remove the rebound adjuster limit screw.

2 mm

2 mm

6 Remove the rebound adjuster.

Clean the rebound adjuster.

7 Clean the rebound adjuster slot.

NOTICE

Do not push contaminates into the eyelet/mount. Contaminates can damage parts or interfere with proper adjuster functions.

RockShox Suspension Cleaner

8 Apply grease to the detents.

RockShox Dynamic Seal Grease

9 Insert the rebound adjuster into the eyelet/mount with the limit screw stop aligned upward with the limit screw hole in the eyelet/mount. The limit screw stops against this surface when the rebound adjuster is rotated to the full Open position.

Press the rebound adjuster into the eyelet/mount until it stops.

10 Apply a dab of grease to the tip of a small hex wrench to secure the detent ball. Install the detent ball bearing.

Apply a dab of grease to the tip of a small hex wrench to secure the detent spring. Install the detent spring.

Remove any excess grease.

Small hex wrench	RockShox Dynamic Seal Grease

Small hex wrench	RockShox Dynamic Seal Grease

11 Apply a dab of grease to the tip of a 2 mm hex wrench to secure the detent set screw. Install the detent set screw, and tighten it until it is flush with the eyelet/mount.

2 mm	Flush

12 Apply a dab of grease to the tip of a 2 mm hex wrench to secure the rebound adjuster limit screw. Install the rebound adjuster limit screw and tighten it until it is flush with the eyelet/mount.

2 mm

2 mm Flush

Remove any excess grease.

13 Check rebound adjuster function.

Rotate the adjuster clockwise until it stops (10 position). There should be 10 clicks to the full closed rebound setting.

Rotate the adjuster counterclockwise until it stops (0 position). There should be 10 clicks to the full open rebound setting.

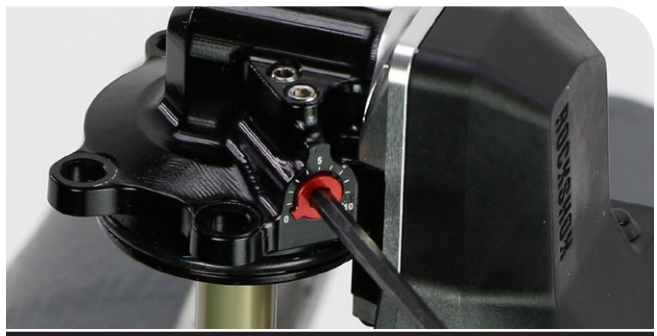
1 Clamp the end of the damper shaft into RockShox Rear Shock vise blocks (10 mm slot) lightly but tight enough that it does not slip in the vise blocks.

NOTICE

Overtightening the vise can permanently damage the damper shaft. Do not overtighten the vise.

RockShox Rear Shock Vise Blocks (10 mm)

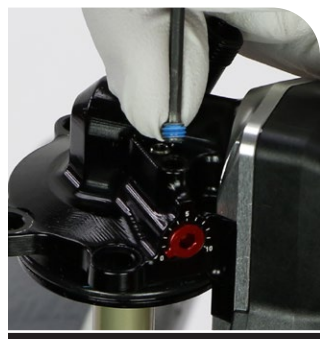
2 Rotate the rebound adjuster fully counterclockwise to the full open (0) setting.



3 mm

3 Remove the rebound adjuster detent set screw.

2 mm



2 mm

4 Remove the detent spring and detent ball bearing.

Magnet

Small hex wrench Grease

5 Remove the rebound adjuster limit screw.

2 mm

2 mm

6 Remove the rebound adjuster.

2.5 mm

2.5 mm

2.5 mm

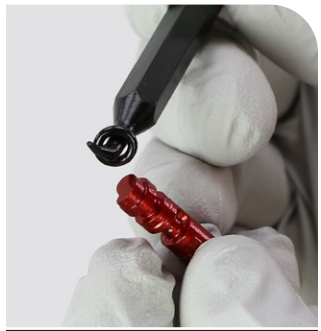
2.5 mm

7 Clean the rebound adjuster slot.

NOTICE

Do not push contaminates into the eyelet/mount. Contaminates can damage parts or interfere with proper adjuster functions.

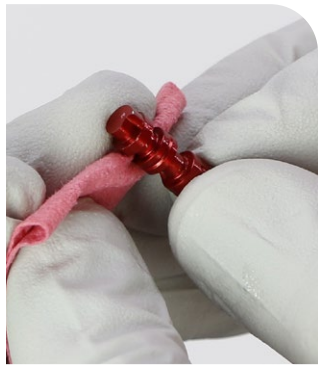
8 Remove the o-rings and discard them.



Pick (non-metallic)

Pick (non-metallic)

9 Clean the rebound adjuster.



10 Apply grease to new o-rings and install them.

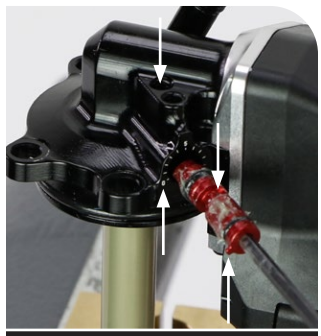
Apply grease to the detents.

RockShox Dynamic Seal Grease

RockShox Dynamic Seal Grease

11 Insert the rebound adjuster into the eyelet/mount with the limit screw stop aligned upward with the limit screw hole in the eyelet/mount, and the rebound adjuster position tab aligned with the 0. The limit screw stops against this surface when the rebound adjuster is rotated to the full Open position.

Press the rebound adjuster into the eyelet/mount until it stops.



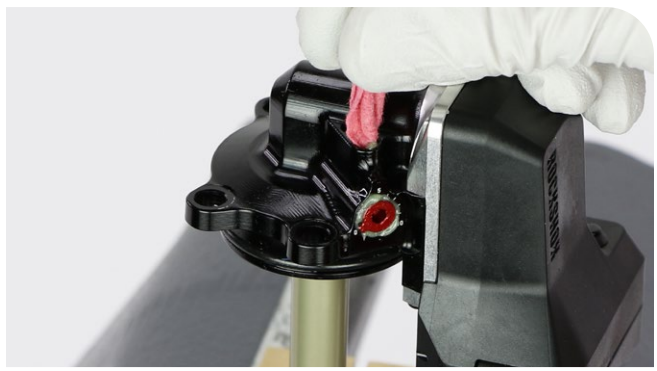
2.5 mm

2.5 mm

12 Apply a dab of grease to the tip of a small hex wrench to secure the detent ball. Install the detent ball bearing.

Apply a dab of grease to the tip of a small hex wrench to secure the detent spring. Install the detent spring.

Remove any excess grease.



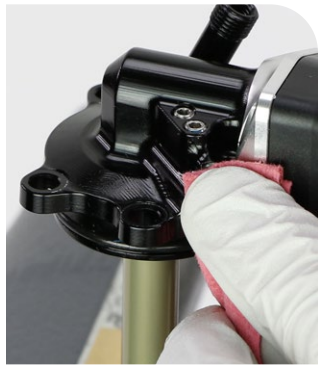
13 Apply a dab of grease to the tip of a 2 mm hex wrench to secure the detent set screw. Install the detent set screw, and tighten it until it is flush with the eyelet/mount.

14 Apply a dab of grease to the tip of a 2 mm hex wrench to secure the rebound adjuster limit screw. Install the rebound adjuster limit screw and tighten it until it is flush with the eyelet/mount.

2 mm Grease

2 mm Flush

15 Remove any excess grease.

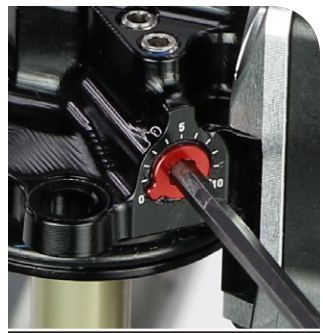


16 Check rebound adjuster function.

Rotate the adjuster clockwise until it stops (10 position). There should be 10 clicks to the full closed rebound setting.

Rotate the adjuster counterclockwise until it stops (0 position). There should be 10 clicks to the full open rebound setting.

2.5 mm



2.5 mm

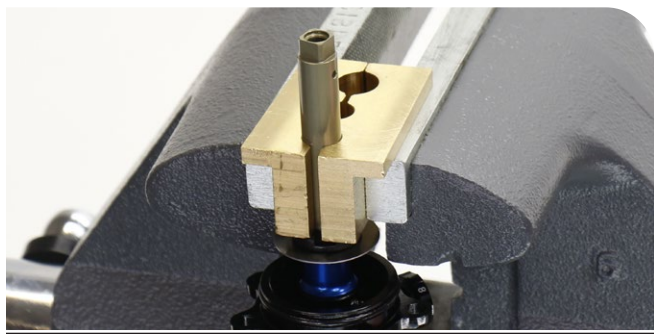
SIDLuxe IsoStrut Flight Attendant: SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

1 Install the blue bottom out spacer.

2 Install the bumper washer.

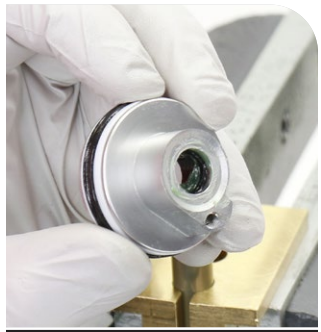
Install a new bottom out bumper, flat side inward.

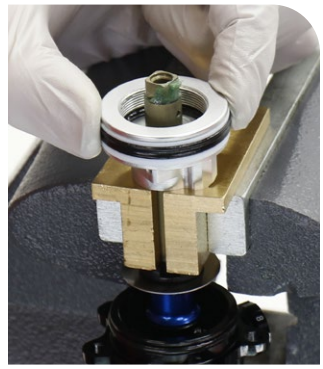
3 Clean the damper shaft and clamp it in the RockShox Rear Shock Vise Blocks (10mm).



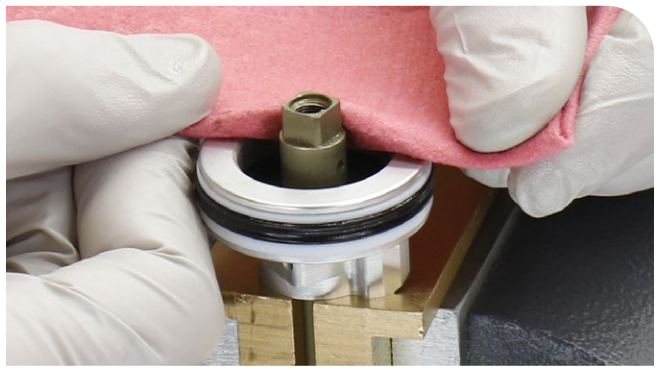
RockShox Rear Shock Vise Blocks (3-hole) - 10 mm

4 Apply grease to the inner sealhead o-ring and bushing.
Install the sealhead / air piston assembly onto the damper shaft.


RockShox Dynamic Seal Grease



5 Clean the end of the damper shaft.



6 **SIDLuxe IsoStrut and SIDLuxe IsoStrut Flight Attendant:** Insert the pick into the center of the damper shaft and install the piston assembly onto the damper shaft. Center the parts onto the square end of the damper shaft.

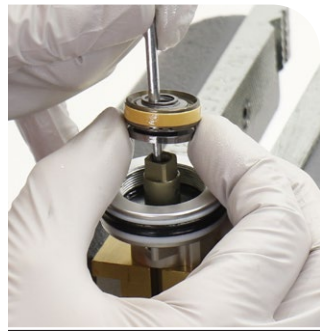
Remove the pick after the piston assembly is installed and secured on the damper shaft.

NOTICE

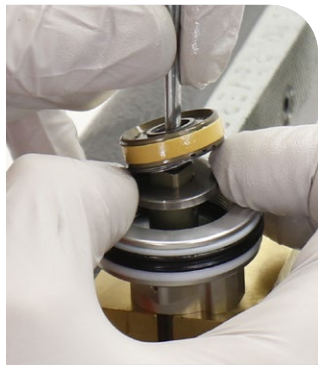
If the damper piston assembly is disassembled (glide ring removed), it will need to be replaced.

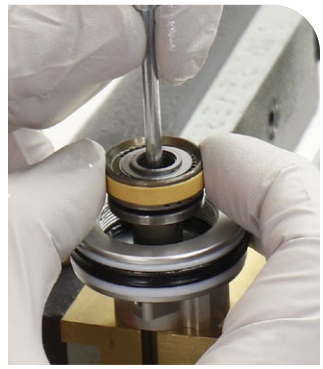
If any piston assembly parts are installed in the incorrect order, the piston assembly, including the tune shim stacks, must be reassembled in the correct order for proper shock function. If compression or rebound damping tunes are changed, replace or rearrange the shim stack in the appropriate order before piston assembly installation. Refer to the Rear Suspension Shim Tuning Guide for piston assembly and shim stack configurations.

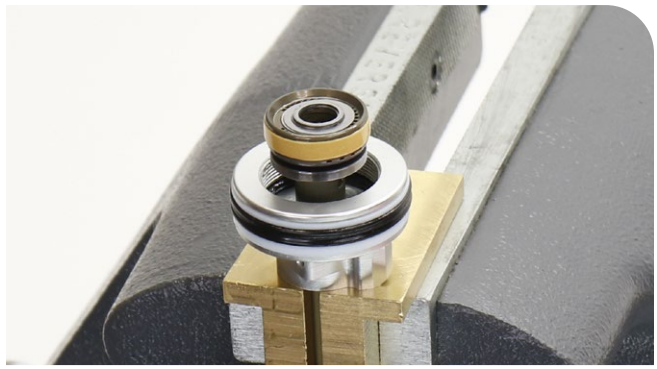
Pick



Pick

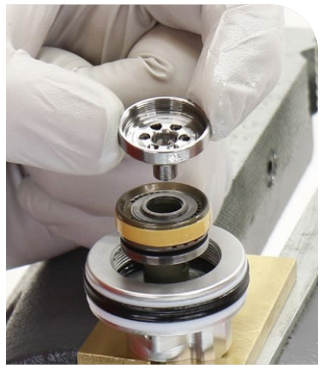


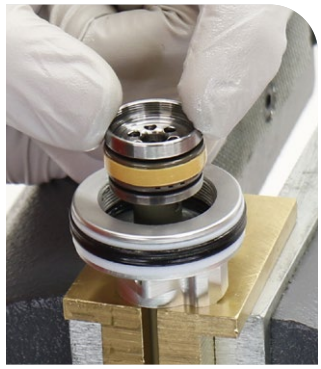


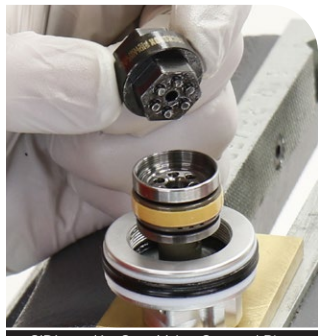


7 **SIDLuxe IsoStrut and SIDLuxe IsoStrut Flight Attendant:** Thread the piston bolt into the damper shaft.

Tighten the piston bolt to the specified torque.







SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool - 14 mm socket

4.5 N·m (40 in-lb)

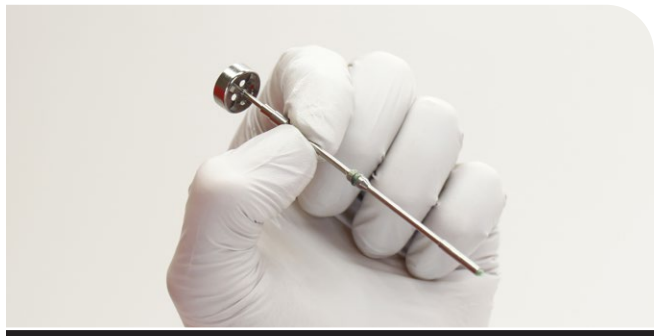
8 **SIDLuxe IsoStrut:** Apply grease to the ball bearing at the tip of the compression poker.

RockShox Dynamic Seal Grease SIDLuxe IsoStrut

Apply grease to the o-ring on the compression poker.

NOTICE

Do not remove the ball bearing from the compression poker.



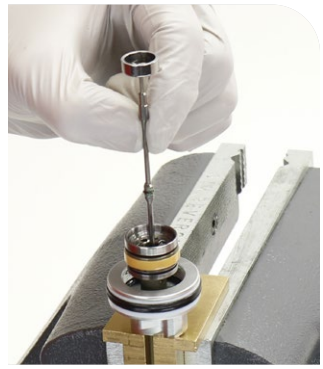
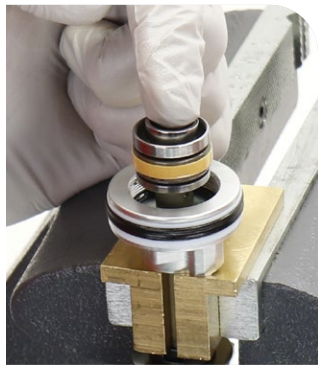
RockShox Dynamic Seal Grease SIDLuxe IsoStrut

9 **SIDLuxe IsoStrut Flight Attendant:** Apply grease to the o-ring on the compression poker.

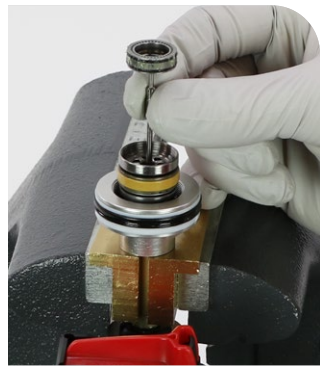
Apply a thin coat of grease to the two o-rings on the outside of the valve slider.

RockShox Dynamic Seal Grease SIDLuxe IsoStrut Flight Attendant

10 **SIDLuxe IsoStrut:** Insert the compression poker, detent ball end first, into the rebound poker and push the valve slider down until it stops in the piston bolt.


11 **SIDLuxe IsoStrut Flight Attendant:** Insert the compression poker into the rebound poker and push the valve slider down until it stops in the piston bolt.

NOTICE

If the valve slider cannot be pushed into the valve cup completely, the compression damper is in the Lock position. Do not proceed with assembly if the valve slider cannot be pressed into the valve cup completely.

Insert the SRAM battery to initiate a power cycle which will adjust the compression damper to the Open position, then remove the battery and install the battery block onto the rear shock module.

Incorrect - compression damper is set to Lock position - do not proceed

12 **SIDLuxe IsoStrut:** Inject PLUSH 7 wt suspension oil into the valve cup and onto the valve slider before the piston/damper shaft assembly is installed into the damper body. Inject oil until the valve cup and valve slider are completely submerged in oil. This will limit or reduce trapped air from the parts during damper assembly.

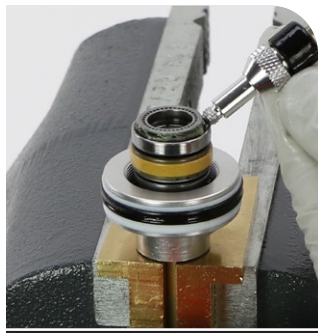

Maxima PLUSH 7 wt

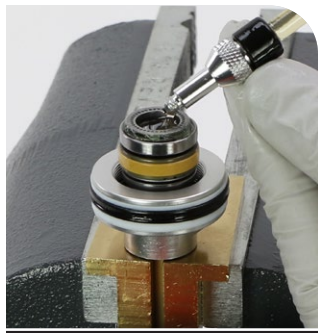

Maxima PLUSH 7 wt


Maxima PLUSH 7 wt


Maxima PLUSH 7 wt

SIDLuxe IsoStrut Flight Attendant: Inject PLUSH 7 wt suspension oil into the valve cup and onto the valve slider before the piston/damper shaft assembly is installed into the damper body. Inject oil until the valve cup and valve slider are completely submerged in oil. This will limit or reduce trapped air from the parts during damper assembly.


Maxima PLUSH 7 wt


Maxima PLUSH 7 wt

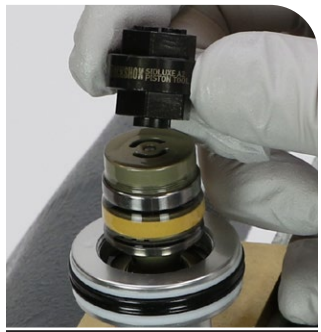

Maxima PLUSH 7 wt


Maxima PLUSH 7 wt

13 **SIDLuxe IsoStrut:** Thread the valve cup into the piston bolt by hand until it stops.

Tighten the valve cup to the specified torque.

Remove the eyelet/mount / damper assembly from the vise and set it aside.



SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

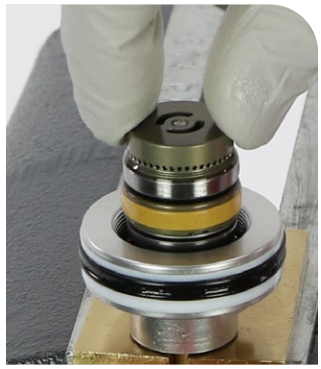
SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

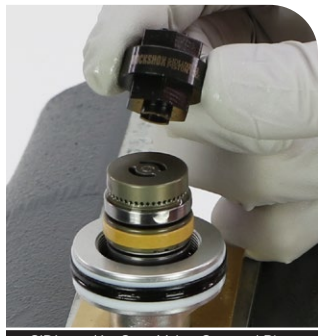
SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool - 14 mm socket | 2.3 N·m (20 in-lb)

SIDLuxe IsoStrut Flight Attendant: Thread the valve cup into the piston bolt by hand until it stops.

Tighten the valve cup to the specified torque.

Remove the eyelet/mount / damper assembly from the vise and set it aside.





SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool

SIDLuxe / IsoStrut Valve Cup and Piston Bolt Socket Tool - 14 mm socket | 2.3 N·m (20 in-lb)

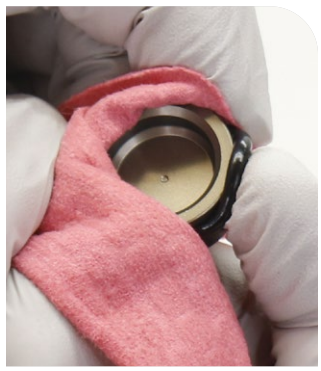
200 Hour Service IFP Installation and Bleed

SIDLuxe IsoStrut Flight Attendant: SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

1 Remove and discard the IFP o-ring.

Clean the IFP.

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



RockShox Dynamic Seal Grease

2 Loosen the air valve core in the damper body to allow air pressure to escape when the IFP is installed. Do not remove the air valve.

RockShox Schrader Valve Tool

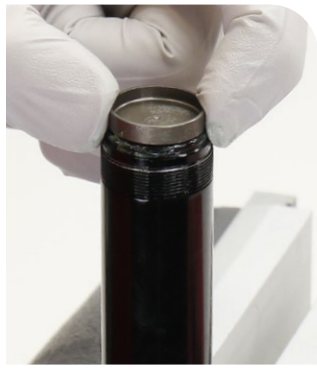
3 Clamp the damper body in the vise.

Install the IFP into the damper body (o-ring side in, flat side out).

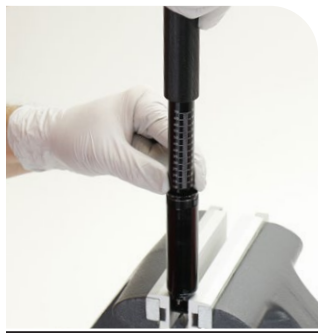
Insert the SIDLuxe IFP Height Tool (00.4318.041.000) into the damper body, flat on top of the IFP.

Slowly and carefully push the IFP to a depth of 55 mm.

Do not push the IFP in too far. If it is pushed into the damper body beyond the specified depth, the IFP must be removed and reinstalled.



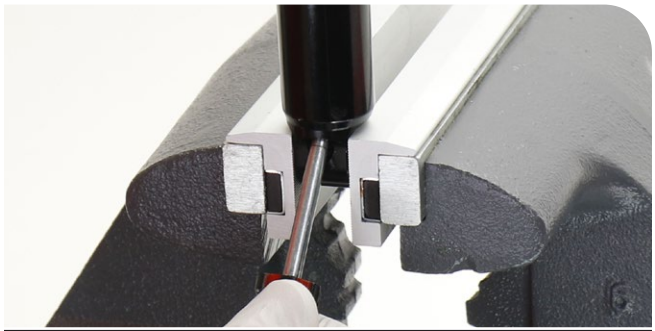
SIDLuxe IFP Height Tool



SIDLuxe IFP Height Tool

IFP depth - 55 mm

4 Tighten the air valve core in the damper body.



RockShox Schrader Valve Tool

5 Clamp the damper body into the SIDLuxe Rear Shock Body Vise Blocks 23.8 mm (00.4318.040.000).

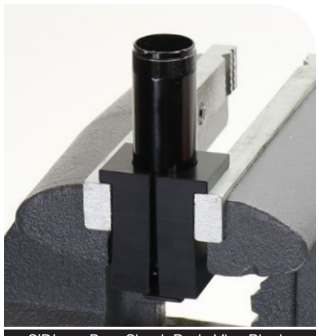
Tighten the vise tight enough so the IFP cannot move in the damper body. The vise blocks squeeze the damper body enough to prevent the IFP from moving to the set depth.

Check this by using your finger to push on the IFP. The IFP should not move.

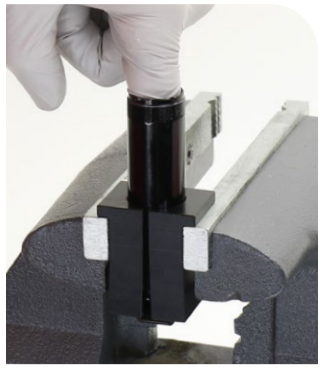
If the IFP does move, use a shock pump to remove the IFP, reinstall the IFP, and reset it to the correct depth.

NOTICE

Do not overtighten the vise tight enough to crush the damper body. The SIDLuxe Rear Shock Body Vise Blocks 23.8 mm (00.4318.040.000) holds the IFP in place. Failure to use the vise block when clamping the damper body into the vise may result in incorrect IFP height. Incorrect IFP height can cause the damper to fail.



SIDLuxe Rear Shock Body Vise Blocks 23.8 mm



6 Secure a shop towel around the damper body to absorb oil.

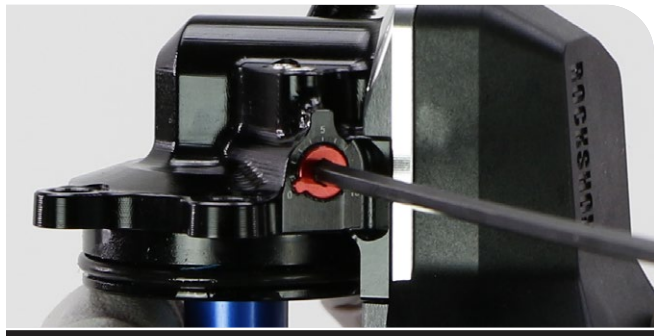
Pour suspension oil into the damper body until it is level with the top.

Maxima PLUSH 7 wt

7 Confirm the rebound adjuster is rotated counterclockwise until it stops, to the full open (0) rebound setting.

Total rebound clicks - 10

SIDLuxe IsoStrut



SIDLuxe IsoStrut Flight Attendant 3 mm

8 Confirm the nylon compression ball is removed from the sealhead/air piston. Oil should be able to purge out of the sealhead/air piston bleed port during installation.

9 Slide the sealhead/air piston up and away from the piston until it stops against the bumper.

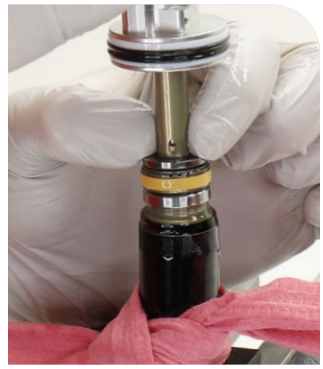
Insert the damper piston into the damper fluid and damper body and carefully push the piston into the damper body. Suspension oil will displace through and around the piston as it is inserted.

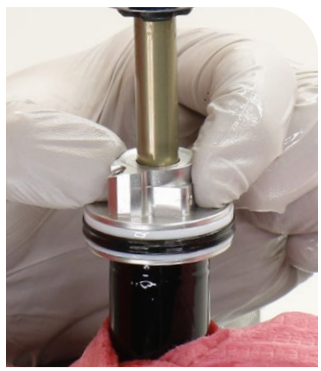
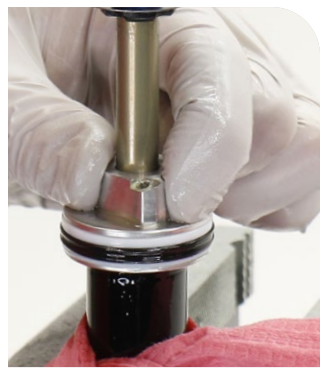
When the piston is submerged, push the sealhead/air piston down firmly and square onto the damper body and engage the threads. Thread the sealhead/air piston onto the damper body until it stops.

NOTICE

Do not cross-thread the sealhead/air piston and damper body threads.

Suspension oil will purge through the sealhead/air piston bleed hole.


10 Tighten the sealhead/air piston to the specified torque.

NOTICE

Do not scratch the damper shaft while tightening the sealhead/air piston. Scratches can cause leaks.

To prevent damage to the damper body, do not allow the wrench to slip from the sealhead/air piston.

19 mm or adjustable wrench	28 N·m (250 in-lb)

11 Allow oil and air bubbles to escape from the bleed port.

Wipe away excess oil around the sealhead.

Insert a NEW nylon compression ball into the bleed port. Allow the nylon compression ball to settle into place below the threads. Additional air and/or oil will displace.

12 Apply a dab of grease to the tip of a 2 mm hex wrench to secure the bleed screw.

Install the bleed screw into the bleed port finger tight.

Tighten the bleed screw to the specified torque.

Wipe away excess oil around the sealhead.

NOTICE

Do not overtighten the bleed set screw. Overtightening the bleed screw can drive the nylon compression ball too far into the bleed port which could damage the compression ball.

2 mm Grease

2 mm

2 mm 0.56 N·m (5 in-lb)

13 Thread the SIDLuxe Rear Shock Air Valve Adapter Tool (blue) onto a shock pump and thread the other end into the damper body air/nitrogen fill port.

Pressurize the damper body to 500 psi / 34.5 bar.

If the proper fill equipment is available, nitrogen can be substituted for air.

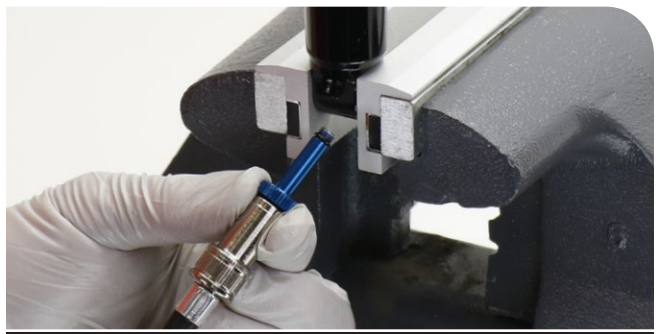
Once the damper body has been pressurized, remove the air valve adapter tool from the air valve port before removing it from the shock pump.

NOTICE

Separating the pump from the adapter first will cause the shock body to depressurize.

SIDLuxe Air Valve Adapter Tool (blue)

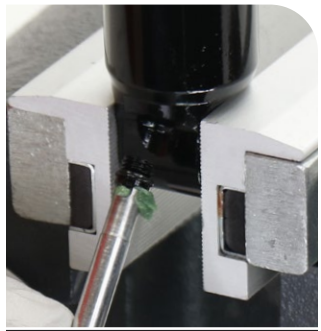
Shock pump (600 psi max) 500 psi / 34.5 bar



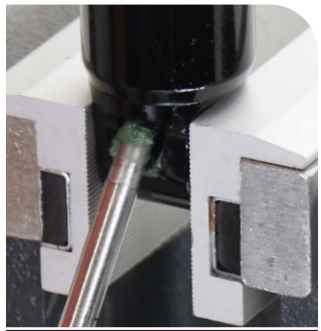
SIDLuxe Air Valve Adapter Tool (blue)

14 Apply a dab of grease to the tip of the RockShox Schrader Valve Tool to secure the air cap. Install the damper body air valve cap and tighten it finger tight.

Clean the cap.



RockShox Schrader Valve Tool Grease



RockShox Schrader Valve Tool

15 Clean the shock assembly.

Remove the shock from the vise.

RockShox Suspension Cleaner

Bottomless Tokens (optional)

Bottomless Tokens reduce air volume in the rear shock air can and increase progression, or spring ramp, at the end of the shock's travel. Add or remove Bottomless Tokens to tune spring ramp.

Bottomless Tokens can be added or removed at any time without performing a complete service.

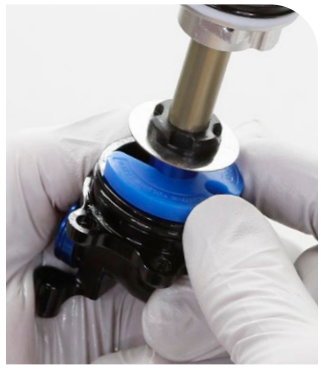
2024+ (A1) SIDLuxe IsoStrut - only blue SIDLuxe IsoStrut Bottomless Tokens are compatible.

2024+ (A1) SIDLuxe IsoStrut - IsoStrut Bottomless Tokens are not pre-installed. A maximum of 2 blue SIDLuxe IsoStrut Bottomless Tokens can be installed to tune spring ramp and bottom out as preferred.

Bottomless Token - SIDLuxe IsoStrut (blue)

1 **Install Bottomless Tokens:** Install the Bottomless Token(s) onto the bottom out spacer.

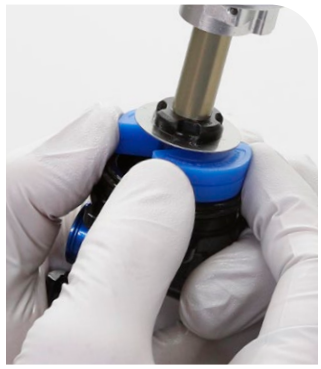
Install up to two blue Bottomless Tokens.

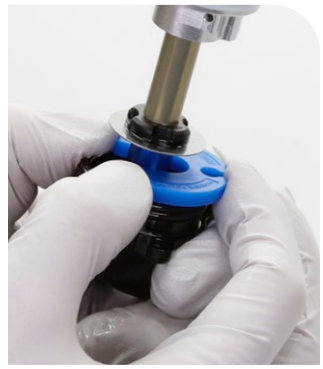





2 **Remove Bottomless Tokens:**

Remove the Bottomless Token(s) from the bottom out spacer.



SIDLuxe IsoStrut Flight Attendant: SIDLuxe IsoStrut pictured. Procedures for SIDLuxe IsoStrut Flight Attendant are the same as SIDLuxe IsoStrut, unless otherwise described and/or pictured.

If Bottomless Tokens need to be removed or installed, remove or install them before installing the IsoStrut air can.

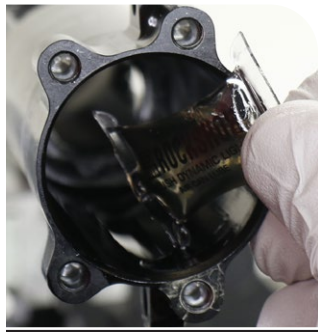
1 Clamp the RockShox Rear Shock 10 mm Service Pin into the RockShox Rear Shock Vise Blocks angled slightly upward.

Install the IsoStrut air can onto the RockShox Rear Shock 10 mm Service Pin through the eyelet/mount holes.

RockShox Rear Shock 10 mm Service Pin

2 Inject 0.5 mL (five small drops) of Maxima PLUSH Dynamic Suspension Lube Light into the IsoStrut air can (negative air spring chamber).

The oil will pool at the inner air can seal sleeve.



Maxima PLUSH Light 0.5 mL

3 Apply grease to the sealhead / air piston quad ring and backup rings.

RockShox Dynamic Seal Grease

4 Hold the IsoStrut air can steady and insert the damper body into the IsoStrut air can.

When the quad ring seal engages the inner surface of the IsoStrut air can, push the sealhead / air piston into the IsoStrut air can until the quad ring seal clears the end of the IsoStrut air can and is fully seated inside the tube. Stop when the sealhead / air piston is 15 - 20 mm inside the IsoStrut air can.

5 Inject 0.5 mL (five small drops) of Maxima PLUSH Dynamic Suspension Lube Light into the IsoStrut air can (positive air spring chamber).

Maxima PLUSH Dynamic Suspension Lube Light 0.5 mL

6 Rotate and align the 4 eyelet bolt holes with the 4 bolt holes on the IsoStrut air can.

Push the eyelet/mount in towards the IsoStrut air can until one bolt can be threaded into the IsoStrut air can bolt threads.

While applying pressure to the eyelet/mount, carefully install and thread one bolt through the eyelet/mount bolt hole and into the IsoStrut air can. Thread the bolt in two full rotations.

4 mm

7 Install the second bolt into the hole located diagonally and thread it in two full rotations.

Install the third above the second, then the forth bolt and thread each two full rotations.

4 mm

4 mm

Thread each bolt in until the eyelet is flush against the IsoStrut air can.

4 mm

4 mm

8 Tighten each bolt to the specified torque.

4 mm | 5 N·m (44 in-lb)

4 mm | 5 N·m (44 in-lb)

4 mm | 5 N·m (44 in-lb)

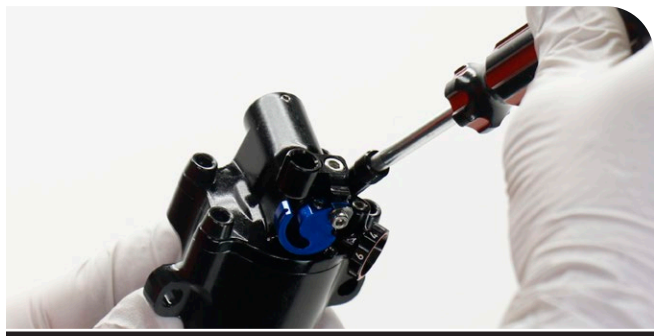
4 mm | 5 N·m (44 in-lb)

9 Spray RockShox Suspension Cleaner onto the shock. Wipe the shock clean and remove any oil and grease.

RockShox Suspension Cleaner

10 Install a new sag indicator o-ring.

11 Install and tighten the Schrader valve core finger tight.



RockShox Schrader Valve Tool

12 Pressurize the shock to around 50 psi / 3.5 bar.

Final air pressure should be set after the shock is installed onto the bicycle and the spring sag is determined, or as recommended by the frame manufacturer.

RockShox shock pump 50 psi / 3.5 bar

13 Install the air valve cap.

This concludes service for your RockShox rear shock.

1. Reinstall the rear shock as instructed by your frame manufacturer.
2. Pressurize the rear shock to the pre-service air pressure written down in the Record Your Settings table.
3. Adjust the rebound settings to the pre-service settings written down in the Record Your Settings table.
4. **SIDLuxe IsoStrut:** Install the remote cable, connect the remote, and check function.
5. **SIDLuxe IsoStrut Flight Attendant: Test with rear shock installed on bicycle:** When the rear shock is installed back into the bicycle frame, test function again. Adjust the rear shock to the Lock position, and compress the frame suspension to confirm the shock locks properly.

Check Compression Damper Adjustment Function - SIDLuxe IsoStrut Flight Attendant

1

To confirm the rear shock module function properly, install the SRAM battery. The rear shock module motor should complete a power cycle which adjusts the compression damper to the Open Position.

Single press the AXS button and listen for the adjuster motor to actuate. If the motor does not actuate, there may be a problem and the shock will need to be disassembled and reassembled.

Note: One double press of the AXS button will adjust the compression damper toward the Open position. One single press of the AXS button will adjust the compression damper toward the Lock position.

Test with rear shock installed on bicycle: When the rear shock is installed back into the bicycle frame, test function again.

Adjust the rear shock to the Lock position, and compress the frame suspension to confirm the shock locks properly.

Remote Cable Installation and Check Lockout Function - SIDLuxe IsoStrut

1 Confirm the handlebar remote is in the unlocked position.

Pull the cable through the housing until it is taught.

2 Position the cable in the groove on the remote pulley, and pull the cable around the pulley.

3 Position the cable under the cable pinch plate and pull the cable taught.

4 Tighten the cable set screw while pulling the cable taught.

5 Actuate the handlebar remote 5 times from the unlocked to locked out position to tension and set the cable.

Unlocked (x5)

Locked Out (x5)

6 Actuate the handlebar remote to the unlocked position.

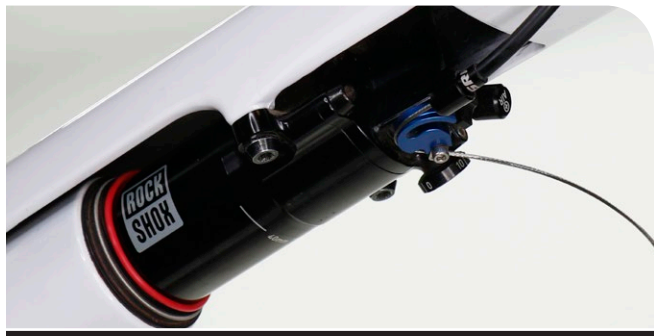
Loosen the cable set, pull the cable taught with needle nose pliers, and tighten the cable.

2 mm

2 mm Needle nose pliers

7 Actuate the handlebar remote to the locked out position, compress the rear suspension on a flat surface, and confirm the shock locks out fully.

Repeat if necessary.



Locked Out

8 New Cable - Cut the cable.

Cable cutter

9 Install a new cable end cap.

Cable end cap

Cable cutter - crimp

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