

2014

# HYDRAULIC REMOTES

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Service Manual



# SRAM LLC WARRANTY

## EXTENT OF LIMITED WARRANTY

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

## LOCAL LAW

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

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

- a. Preclude the disclaimers and limitations of this warranty statement from limiting the statutory rights of the consumer (e.g. United Kingdom).
- b. Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations.

## For Australian customers:

This SRAM limited warranty is provided in Australia by SRAM LLC, 1333 North Kingsbury, 4th floor, Chicago, Illinois, 60642, USA. To make a warranty claim please contact the retailer from whom you purchased this SRAM product. Alternatively, you may make a claim by contacting SRAM Australia, 6 Marco Court, Rowville 3178, Australia. For valid claims SRAM will, at its option, either repair or replace your SRAM product. Any expenses incurred in making the warranty claim are your responsibility. The benefits given by this warranty are additional to other rights and remedies that you may have under laws relating to our products. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## LIMITATIONS OF LIABILITY

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

## LIMITATIONS OF WARRANTY

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

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

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

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

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

## Wear and tear parts are identified as:

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

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

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

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

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

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# **SAFETY FIRST!**

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



# XLoc Sprint™



## XLoc Sprint™ Remote Service

We recommend that you have your remote serviced by a qualified bicycle mechanic.

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. For the latest technical information, please visit our website at [sram.com/service](http://sram.com/service).

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

### NOTICE

The XLoc damper remote lockout uses a specific hydraulic hose that is compatible with the system's Reverb™ Hydraulic Fluid.

- Do **NOT** use hydraulic brake fluid or mineral oil in the XLoc system. Only use Reverb Hydraulic Fluid.
- Do **NOT** use hydraulic brake bleed tools to bleed the XLoc system. Only use the RockShox Standard Bleed Kit.
- To optimize performance of the bleed kit tools, clean the syringes with soap and water after each use and let them dry completely.

### SAFETY INSTRUCTIONS

Always wear safety glasses and nitrile gloves when working with Reverb™ Hydraulic Fluid.

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

### Parts and tools

- |                           |   |
|---------------------------|---|
| • Safety glasses          | • Reverb Hydraulic Fluid                        |
| • Nitrile gloves          | • RockShox Standard Bleed Kit                   |
| • T25, T10 TORX® wrenches | • Replacement XLoc hydraulic hose               |
| • T10 TORX bit socket     | • Hydraulic hose cutter or cable housing cutter |
| • Torque wrench           | • Oil pan                                       |

## XLoc Sprint™ Hydraulic Hose Shortening

- 1 Press the remote actuator into the extended (locked) position. Turn the gold Floodgate adjuster in the direction of the arrow until it stops (maximum Floodgate).



- 2 Use a T25 TORX® wrench to loosen the XLoc Sprint handlebar clamp and take the XLoc Sprint off of the handlebar. Unthread the XLoc Sprint from the hydraulic hose. Use an oil pan to catch any excess fluid that comes from the hose.

### ⚠ CAUTION- EYE HAZARD

Do not disassemble the remote hose while the remote actuator is in the unlocked position; this can cause Reverb Hydraulic Fluid to forcefully eject from the hose. Wear safety glasses.



- 3 Use a hydraulic hose cutter to cut the hydraulic hose to the desired length. Thread the hydraulic hose into the remote actuator. Reinstall the XLoc Sprint onto the handlebar.



**Shortening the hose introduces air into the system. It is necessary to bleed the remote assembly for optimal performance. See [XLoc Sprint Bleed Procedure](#) for instructions.**

## XLoc Sprint™ Hydraulic Hose Replacement

- 1 Press the remote actuator into the extended (locked) position. Turn the gold Floodgate adjuster in the direction of the arrow until it stops (maximum Floodgate).



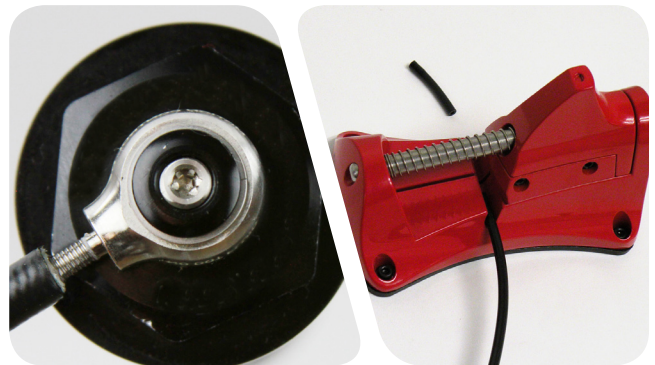
- 2 Use a T25 TORX® wrench to loosen the XLoc Sprint handlebar clamp and take the XLoc off of the handlebar. Unthread the XLoc Sprint from the hydraulic hose. Use an oil pan to catch any excess fluid that comes from the hose.

### **⚠ CAUTION- EYE HAZARD**

Do not disassemble the remote hose while the remote actuator is in the unlocked position; this can cause Reverb Hydraulic Fluid to forcefully eject from the hose. Wear safety glasses.



- 3 Unthread the hydraulic hose from the banjo fitting on top of the damper, located at the fork crown. Use a hydraulic hose cutter to cut the new hydraulic hose to the desired length.



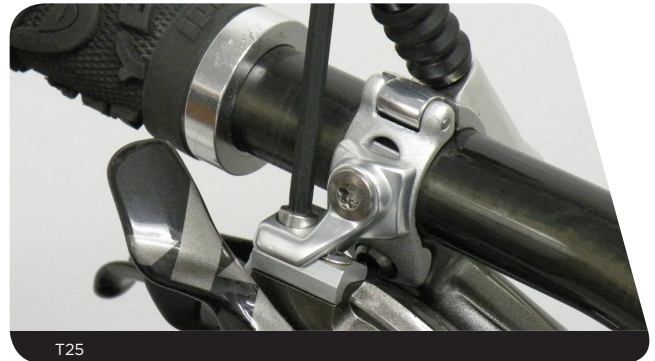
- 4 Thread the new hydraulic hose back onto both hose fittings and reinstall the XLoc Sprint onto the handlebar.

Bleed your XLoc Sprint according to the **XLoc Sprint bleed procedure**.

### NOTICE

Bleed the remote until only very small bubbles emerge from the system. Bubbles can cause a reduction in performance.

- 1 Use a T25 TORX® wrench to unthread the shifter mounting bolt and remove the shifter.



- 2 Use a T25 TORX wrench to loosen the XLoc Sprint handlebar clamp, position the XLoc Sprint so that the bleed screw is slightly above the button, and retighten the clamp bolt.

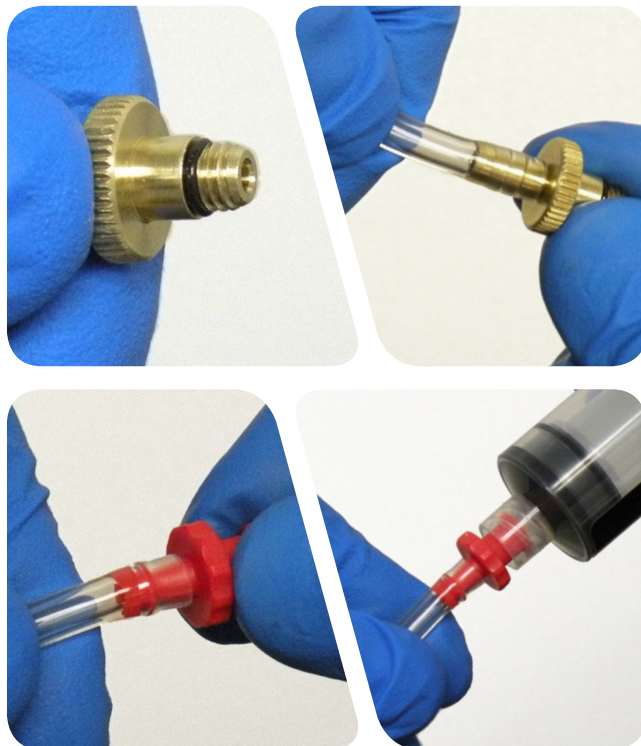


- 3 Press the remote actuator into the extended (locked) position. Turn the gold Floodgate adjuster in the direction of the arrow until it stops (maximum Floodgate).

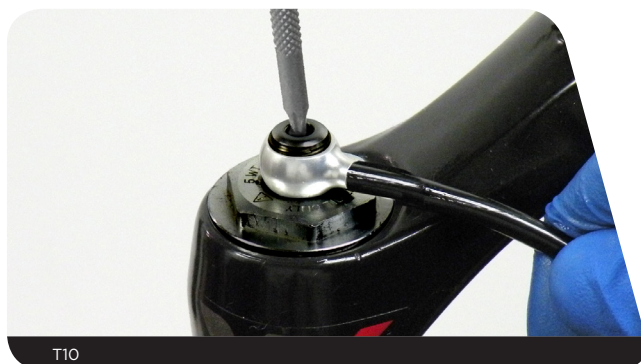




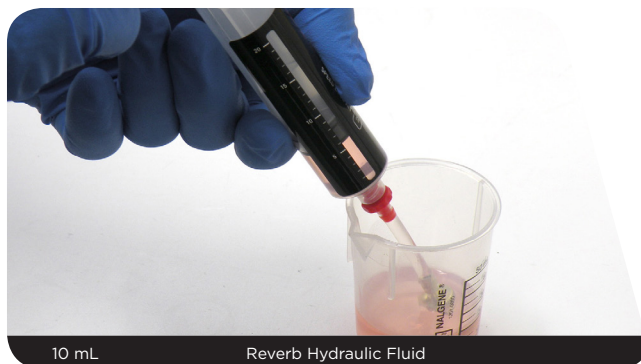
- 4** Assemble two RockShox Standard Bleed Kit syringes:  
Install an o-ring onto the end of the brass fitting.  
Insert the brass fitting into one end of the plastic tube.  
Insert the red fitting into the other end of the plastic tube.  
Thread the red fitting into the syringe.



- 5** Use a T10 TORX® wrench to remove the bleed screw from the top of the damper, located at the fork crown.



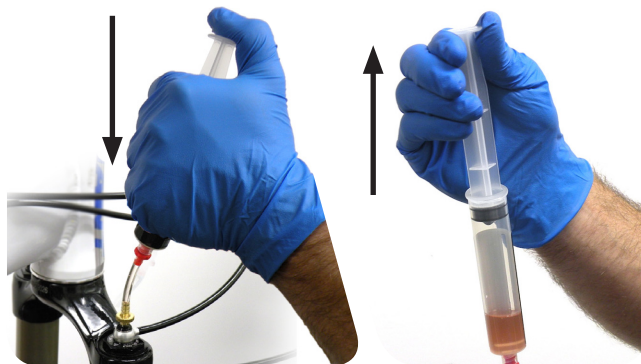
- 6** Fill both RockShox Standard Bleed Kit syringes with 10 mL of Reverb™ Hydraulic Fluid.



- 7** Thread the brass fitting of one of the Reverb™ Hydraulic Fluid filled syringes into the damper bleed port.



- 8** Gently push down the syringe plunger to fill the system with Reverb Hydraulic Fluid.  
Create a vacuum by pulling up on the syringe handle. This will force bubbles out of the system.  
Pressurize the system by pushing down on the syringe handle.



- 9** Use a T10 TORX® wrench to remove the bleed screw from the XLoc Sprint™.



- 10** Apply a few drops of Reverb Hydraulic Fluid to the XLoc Sprint bleed port, and then thread the brass fitting of the other syringe plunger into the bleed port.



- 11** Hold both syringes upright. Pressurize the damper syringe by pushing down on the syringe handle and simultaneously pulling up on the remote syringe handle.

Pressurize the remote syringe by pushing down on the syringe handle and simultaneously pull up on the damper syringe handle. Repeat pulling a vacuum and pressurizing the system until only very small bubbles emerge from the system.



- 12** Unthread the syringe from the damper, and use a T10 TORX® wrench to reinstall the bleed screw into the damper. Use a rag to wipe off any excess Reverb™ Hydraulic Fluid.



- 13** Press the remote actuator into the extended (locked) position and pull out the syringe plunger. Small bubbles will appear in the syringe hose as air is pulled from the system.

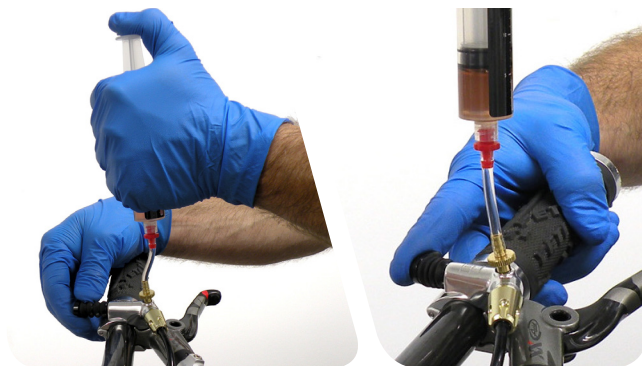


- 14** Continue pulling up on the syringe plunger. Press the remote actuator into the compressed (unlocked) position. This will dislodge more bubbles from the remote into the syringe.





- 15** Pressurize the remote syringe by pushing down on the syringe handle, and then press the remote actuator into the extended (locked) position.

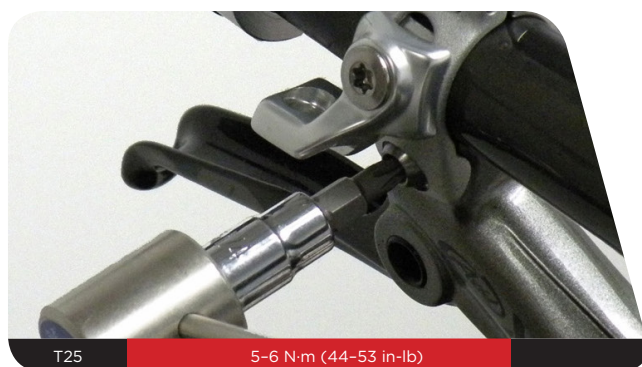


- 16** Repeat steps 13-15 until air bubbles no longer move into the Reverb™ Hydraulic Fluid. It can take several repetitions of this process to fully void the system of air.

- 17** Unthread the fitting from the bleed port. Put a few drops of Reverb Hydraulic Fluid into the bleed port. Replace the bleed port screw. Use a T10 TORX® wrench to tighten the bleed port screw to 0.5–0.7 N·m (4.5–6 in-lb). Use a rag to wipe off any excess Reverb Hydraulic Fluid.



- 18** Use a T25 TORX wrench to loosen the XLoc Sprint handlebar clamp. Position the XLoc Sprint to your desired angle. Use a T25 TORX wrench to tighten the XLoc Sprint clamp bolt to 5–6 N·m (44–53 in-lb).



- 19** Attach the XLoc shifter to the XLoc bracket with the shifter mounting bolt. Use a T25 TORX wrench to tighten the shifter mounting bolt to 2.8–3.4 N·m (25–30 in-lb).



# XLoc Full Sprint™



## XLoc Full Sprint™ Remote Service

We recommend that you have your remote serviced by a qualified bicycle mechanic.

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

### NOTICE

The XLoc damper remote lockout uses a specific hydraulic hose that is compatible with the system's Reverb™ Hydraulic Fluid.

- Do **NOT** use hydraulic brake fluid or mineral oil in the XLoc system. Only use Reverb Hydraulic Fluid.
- Do **NOT** use hydraulic brake bleed tools to bleed the XLoc system. Only use the RockShox Standard Bleed Kit.
- To optimize performance of the bleed kit tools, clean the syringes with soap and water after each use and let them dry completely.

### SAFETY INSTRUCTIONS

Always wear safety glasses and nitrile gloves when working with Reverb Hydraulic Fluid.

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

### Parts and Tools

- |  |                                   |
|--|-----------------------------------|
| • Safety glasses                         | • Torque wrench                   |
| • Nitrile gloves                         | • Hydraulic Hose Cutter Tool      |
| • Apron                                  | • Hydraulic Hose Barb Driver Tool |
| • Oil pan                                | • SRAM® Butter Grease             |
| • Replacement XLoc hydraulic hose        | • Clean, lint-free rags           |
| • 6 mm, 8 mm, and 9 mm open end wrenches | • Isopropyl alcohol               |
| • 8 mm, 9 mm crowfoot sockets            | • RockShox™ Standard Bleed kit    |
| • T10 and T25 TORX® wrenches             | • Reverb™ Hydraulic Fluid         |
| • T10 and T25 TORX bit sockets           |                                   |

- 1 Press the remote actuator into the extended (locked) position.

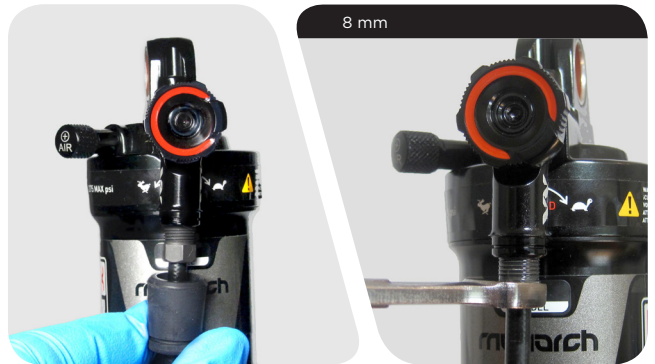
### **⚠ CAUTION- EYE HAZARD**

Do not disassemble the remote hose while the remote actuator is in the unlocked position; this can cause Reverb Hydraulic Fluid to forcefully eject from the hose. Push the remote actuator to the extended (locked) position before disconnecting the Connectamajig™. Wear safety glasses.



- 2 Slide the hose boot off the rear shock banjo fitting.  
Use an 8 mm open end wrench to remove the compression nut.  
Pull the hose from the shock.

*Hold the hose; fluid will drip from the end.*



- 3 Use a Hydraulic Hose Cutter Tool to cut the hose to the desired length.



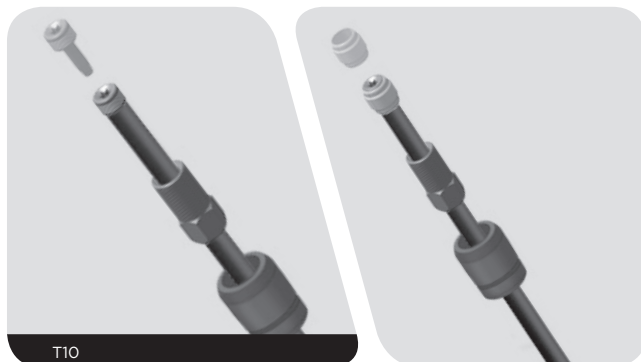
- 4** Apply SRAM® Butter grease to the hose barb threads, the new compression fitting outer surfaces, and the compression nut threads.

Slide the hose boot onto the hose, small opening end first. Slide the compression nut onto the hose, non-threaded end first.



- 5** Use an Avid Hydraulic Hose Barb Driver Tool or a T10 TORX® wrench to thread the new hose barb into the end of the hose until it is flush with the end of the hose.

Install the compression fitting onto the hose.



- 6** Push the hose into the rear shock banjo fitting until it stops. Slide the compression fitting up to the rear shock banjo fitting, then thread the compression fitting clockwise into the banjo fitting until it stops.



- 7** While continuing to push the hose into the rear shock banjo fitting, use a torque wrench with an 8 mm crowfoot socket to tighten the compression nut to 5 N·m (44 in-lb).

**Install the crowfoot onto the torque wrench at a 90° angle to the handle to ensure an accurate torque reading.**

Slide the hose boot onto the rear shock banjo fitting.

**Shortening the hose introduces air into the system. It is necessary to bleed the remote assembly for optimal performance. See XLoc Full Sprint™ Bleed Procedure for instructions.**



**To shorten the remote hose, See XLoc Sprint™ Hydraulic Hose Shortening for instructions.**

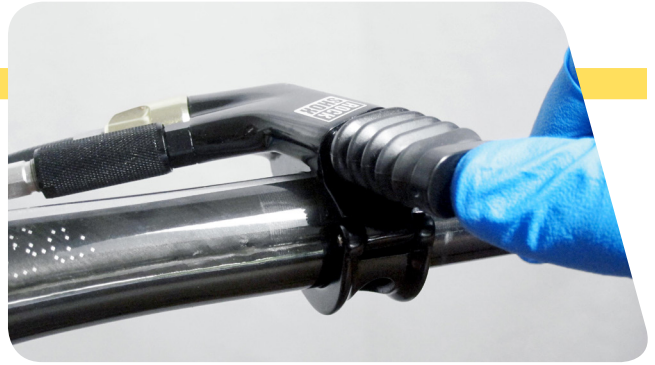


## XLoc Full Sprint™ Hydraulic Rear Hose Replacement

- 1 Press the remote actuator into the extended (locked) position.

### ⚠ CAUTION- EYE HAZARD

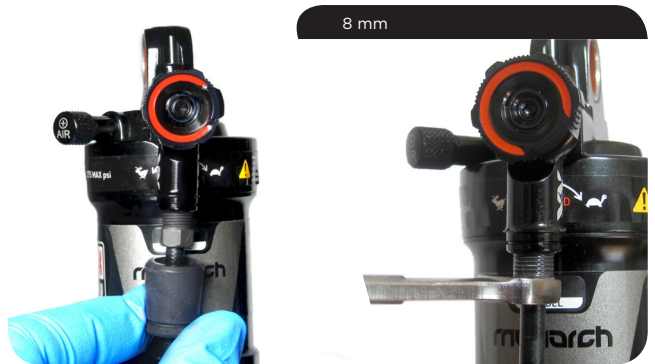
Do not disassemble the remote hose while the remote actuator is in the unlocked position; this can cause Reverb™ Hydraulic Fluid to forcefully eject from the hose. Push the remote actuator to the extended (locked) position before disconnecting the Connectamajig™. Wear safety glasses.



- 2 **To replace the hydraulic hose:** Slide the hose boot off the rear shock banjo fitting.

Use an 8 mm open end wrench to remove the compression nut. Pull the hose from the shock.

*Hold the hose; fluid will drip from the end.*



- 3 Slide the Connectamajig™ boot down the hose. Use a 6 mm open end wrench to hold the Connectamajig in place while turning the knurled collar clockwise with a 9 mm open end wrench.

Pull the hose from the remote and the shock. Discard the hose.

*Hold the hose; fluid will drip from the end.*

### ⚠ CAUTION- EYE HAZARD

Do not push the remote actuator while the hose is removed as fluid could eject from the remote.



- 4** Install a new hose. Inspect and clean the Connectamajig™ hose fitting threads and ball check valve.

Push the Connectamajig into the knurled collar. Turn the collar counter-clockwise to thread the assembly together.

Continue to turn the knurled collar until it stops. Use a 6 mm open end wrench to hold the hose fitting, then use a torque wrench with a 9 mm crowfoot socket to tighten the assembly to 1.2-2.8 N·m (11-24 in-lb).



- 5** Slide the Connectamajig™ boot along the hose and onto the Connectamajig.



- 6** Route the rear hose along or through the frame to the rear shock. Leave a gentle bend from the frame to the handlebar and rear shock.

### NOTICE

Tight bends in the hose can cause excessive stress on the rear shock banjo. Leave 30 cm (12 in) of hose between the shock and the first hose mount.

- 7** Use a Hydraulic Hose Cutter Tool to cut the hose to the desired length.

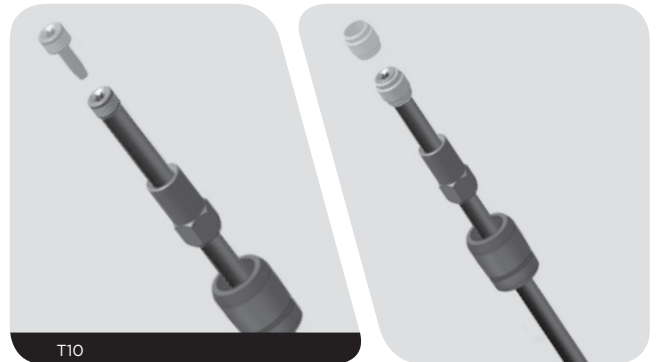


- 8** Apply SRAM® Butter grease to the hose barb threads, the new compression fitting outer surfaces, and the compression nut threads.

Slide the hose boot onto the hose, small opening end first. Slide the compression nut onto the hose, non-threaded end first.



- 9** Use a Hydraulic Hose Barb Driver Tool or a T10 TORX® wrench to thread the new hose barb into the end of the hose until it is flush. Install the compression fitting onto the hose.



- 10** Push the hose into the rear shock banjo fitting until it stops. Slide the compression fitting up to the rear shock banjo fitting, then thread the compression fitting clockwise into the banjo fitting until it stops.



- 11** While continuing to push the hose into the rear shock banjo fitting, use a torque wrench with an 8 mm crowfoot socket to tighten the compression nut to 5 N·m (44 in-lb).

**Install the crowfoot onto the torque wrench at a 90° angle to the handle to ensure an accurate torque reading.**

Slide the hose boot onto the rear shock banjo fitting.

To replace the remote hose, See [XLoc Sprint Hydraulic Hose Replacement](#) for instructions.

**Cutting the hose introduces air into the system. It is necessary to bleed the remote assembly for optimal performance. See [XLoc Full Sprint™ Bleed Procedure](#) for instructions.**





## XLoc Full Sprint™ Bleed Procedure

### Bleed Preparation

- 1 Check that the remote actuator is in the extended (locked) position.

#### ⚠ CAUTION- EYE HAZARD

Do not disassemble the remote hose while the remote actuator is in the unlocked position; this can cause Reverb hydraulic fluid to forcefully eject from the hose. Push the remote actuator to the extended (locked) position before disconnecting the Connectamajig™. Wear safety glasses.

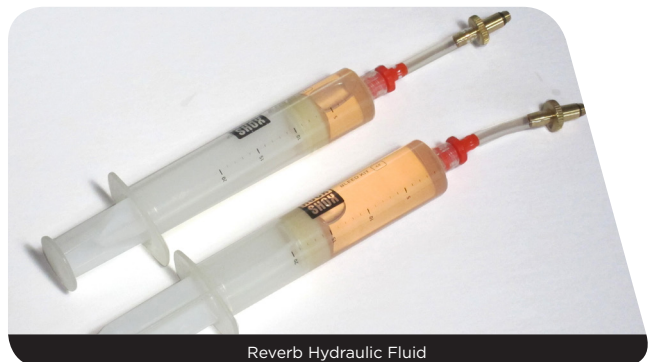
Turn the floodgate adjuster in the direction of the arrow until it stops (maximum floodgate).



- 2 Use a T25 TORX® wrench to loosen the clamp bolt and rotate the remote on the handlebar until the bleed screw is at the highest point.



- 3 Fill one syringe from the RockShox™ Standard Bleed kit 3/4 full of Reverb™ Hydraulic Fluid. Fill the other syringe 1/4 full.



## Bleed the Rear Hose

If the rear hose was not replaced or cut, go to the next section **Bleed the Remote**.

- 1 Use a T10 TORX® wrench to remove the bleed screw from the rebound adjuster on the rear shock.  
Thread the 3/4 full syringe into the bleed port on the rear shock.  
Use a T10 TORX wrench to remove the bleed screw from the remote. Thread the 1/4 full syringe into the bleed port.



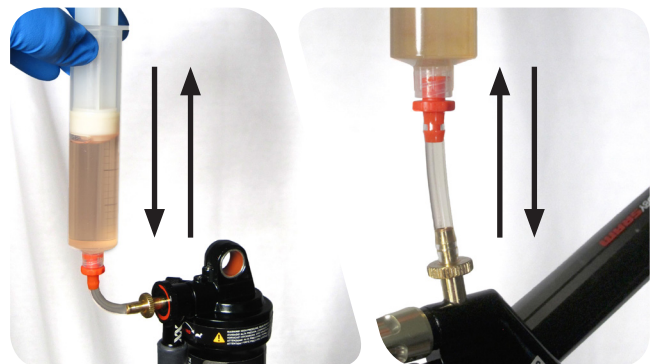
- 2 While holding both syringes upright, push on the rear shock syringe plunger and pull up on the remote syringe plunger at the same time. This will force fluid and any air bubbles through the hose and into the remote syringe. Continue to push on the rear shock syringe plunger until the syringe is nearly empty.

Push on the remote syringe plunger until the syringe is nearly empty and pull up on the rear shock syringe at the same time. You should see air bubbles and Reverb™ hydraulic fluid moving into the rear shock syringe.

Cycle the Reverb hydraulic fluid between the remote syringe and the rear shock syringe, until no more air bubbles transfer into either syringe.

Press the remote actuator multiple times during the bleed process to dislodge bubbles that may be trapped in the remote.

**Push on the rear shock syringe plunger a final time until the rear shock syringe is nearly empty.**



**3** Remove the syringe from the rear shock bleed port.

*Fluid will drip from the syringe.*

Use a T10 TORX® wrench to thread the rear shock bleed screw into the bleed port. Use a torque wrench with a T10 TORX bit socket to tighten the bleed screw to 1.7 N·m (15 in-lb).



## Bleed the Remote

- 1 Check that the remote actuator is in the extended (locked) position.



- 2 Gently pull up on the remote syringe plunger to remove any remaining air bubbles from inside the remote, then push on the plunger to force fluid into the remote. Repeat this process until no more air bubbles transfer into the syringe.

Turn the floodgate adjuster back and forth multiple times during the bleed process to dislodge bubbles that may be trapped in the remote.

Return the floodgate adjuster to maximum floodgate by rotating in the direction of the arrow until it stops.

**Push on the remote syringe plunger a final time, then remove the syringe from the remote bleed port.**

*Fluid will drip from the syringe.*



- 3 Use a T10 TORX® wrench to thread the remote bleed screw into the bleed port.

Use a torque wrench with a T10 TORX bit socket to tighten the bleed screw to 0.5 N·m (4.4 in-lb).



T10

0.5 N·m (4.4 in-lb)

- 4** Spray isopropyl alcohol on the rear shock, rear hose, remote, front hose, and fork, and clean them with a rag.

Rotate the remote to the desired position. Use a torque wrench with a T25 TORX® bit socket to tighten the remote clamp bolt to 5-6 N·m (44-53 in-lb).

Turn the floodgate to the desired position.

Fasten the hose to the frame according to the frame manufacturer's instructions.



**This concludes the service for XLoc Full Sprint™ remote.**

# Reverb Stealth™ Remote



## Reverb Stealth™ Remote Service

We recommend that you have your remote serviced by a qualified bicycle mechanic.

For order information, please contact your local SRAM distributor or dealer.

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### NOTICE

The Reverb Stealth remote uses a specific hydraulic hose that is compatible with the system's Reverb™ Hydraulic Fluid.

- Do **NOT** use hydraulic brake fluid or mineral oil in the Reverb Stealth remote system. Only use Reverb Hydraulic Fluid.
- Do **NOT** use hydraulic brake bleed tools to bleed the Reverb Stealth remote system. Only use the RockShox Standard Bleed Kit.
- To optimize performance of the bleed kit tools, clean the syringes with soap and water after each use and let them dry completely.

### SAFETY INSTRUCTIONS

Always wear safety glasses and nitrile gloves when working with Reverb Hydraulic Fluid.

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

### Parts and Tools

- |   |                               |
|---|-------------------------------|
| • Safety glasses                                | • Reverb Hydraulic Fluid      |
| • Nitrile gloves                                | • Oil pan                     |
| • Apron   | • T10 and T25 TORX® wrench    |
| • Clean, lint-free rags                         | • 4 mm hex wrench             |
| • Isopropyl alcohol                             | • 7 and 10 mm open end wrench |
| • Bench vise with aluminum or plastic soft jaws | • 10 mm crowfoot socket       |
| • RockShox Standard Bleed Kit                   | • Torque wrench               |



## Remote and Hose Bleed

- 1 Use a T25 TORX wrench to loosen the remote clamp bolt and rotate the remote so that the bleed screw is at the highest point. If there is a shifter installed on the matchmaker clamp, you will need to remove it before adjusting the clamp bolt.



- 2 Turn the speed adjuster barrel the opposite direction of the arrow (counter-clockwise) until it stops.



- 3 Fill one syringe 3/4 full with Reverb™ Hydraulic Fluid. Hold the syringe upright, cover the tip with a rag, and gently depress the plunger to purge any air bubbles from the syringe.

### NOTICE

Only use the syringes that come with the RockShox Standard Bleed Kit. Do not use any syringe that has been in contact with DOT fluid.



- 4 Use a T10 TORX® wrench to remove the bleed screw from the remote. Install the fluid filled syringe into the bleed port.





- 5** Use a T10 TORX wrench to remove the bleed screw from the bottom of the seatpost, then install the empty syringe into the bleed port.



- 6** Press down on the remote syringe plunger while pulling up on the seatpost syringe plunger. Press down on the plunger of the syringe attached to the seatpost while pulling up on the remote syringe plunger.

Repeat these steps several times until bubbles stop coming out of the system and into the syringes.



- 7** Disconnect the syringe from the seatpost bleed port. Use a T10 TORX® wrench to reinstall the bleed screw and tighten to 1.1-2.2 N•m (10-20 in-lb).

Spray isopropyl alcohol on the seatpost and clean it with a rag.



- 8** Pull up on the remote syringe plunger and slowly press the remote actuator, then press in on the remote syringe plunger until the remote lever fully extends. Repeat this process a few times until no more bubbles are pulled from the system.



- 9** Push down on the remote syringe plunger and make sure the remote actuator is fully extended. Remove the syringe and use a T10 TORX wrench to reinstall the bleed screw and tighten to 1.1-2.2 N•m (10-20 in-lb).

Spray isopropyl alcohol on the remote and clean it with a rag.



- 10** Press the remote actuator five times. Release it to allow the actuator to return to its extended position. Pull back on the actuator. If it doesn't move, you have successfully bled the remote and are finished servicing your Reverb™ Stealth. If a gap is present, repeat remote bleed steps 4-11.



- 11** Reinstall the Reverb Stealth™ into the bicycle frame. Tighten the seatpost collar to the manufacturer's recommended torque, but **do not exceed 6.7 N•m (59.3 in-lb)**.



- 12** Reinstall the saddle and saddle clamps onto the seatpost. Use a 4 mm hex wrench and tighten the saddle clamp bolts to 2.2 N•m (19.5 in-lb).



**This concludes the service for Reverb Stealth remote.**

# Reverb™ Remote



## Reverb™ Remote Service

We recommend that you have your remote serviced by a qualified bicycle mechanic.

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. For the latest technical information, please visit our website at [sram.com/service](http://sram.com/service).

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

### NOTICE

The Reverb remote uses a specific hydraulic hose that is compatible with the system's Reverb Hydraulic Fluid.

- Do **NOT** use hydraulic brake fluid or mineral oil in the Reverb remote system. Only use Reverb Hydraulic Fluid.
- Do **NOT** use hydraulic brake bleed tools to bleed the Reverb remote system. Only use the RockShox Standard Bleed Kit.
- To optimize performance of the bleed kit tools, clean the syringes with soap and water after each use and let them dry completely.

### SAFETY INSTRUCTIONS

Always wear safety glasses and nitrile gloves when working with Reverb Hydraulic Fluid.

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

### Parts and Tools

- |   |                               |
|---|-------------------------------|
| • Safety glasses                                | • RockShox Standard Bleed Kit |
| • Nitrile gloves                                | • Reverb Hydraulic Fluid      |
| • Apron   | • Oil pan                     |
| • Clean, lint-free rags                         | • T10 and T25 TORX® wrench    |
| • Isopropyl alcohol                             | • 4 mm hex wrench             |
| • Bench vise with aluminum or plastic soft jaws | • Torque wrench               |

## Remote and Hose Bleed

- 1 Use a T25 TORX wrench to loosen the remote clamp bolt and rotate the remote so that the bleed screw is at the highest point. If there is a shifter installed on the Matchmaker clamp, you will need to remove it before adjusting the clamp bolt.



- 2 Turn the speed adjuster barrel the opposite direction of the arrow (counter-clockwise) until it stops.



- 3 Fill one syringe 3/4 full with Reverb Hydraulic Fluid. Hold the syringe upright, cover the tip with a rag, and gently depress the plunger to purge any air bubbles from the syringe.

### NOTICE

Only use the syringes that come with the RockShox Standard Bleed Kit. Do not use any syringe that has been in contact with DOT fluid.



- 4 Use a T10 TORX® wrench to remove the bleed screw from the remote. Install the fluid filled syringe into the bleed port.





- 5** Use a T10 TORX® wrench to remove the bleed screw from the seatpost head, then install the empty syringe into the bleed port.



- 6** Press down on the remote syringe plunger while pulling up on the seatpost syringe plunger. Press down on the plunger of the syringe attached to the seatpost while pulling up on the remote syringe plunger.

Repeat these steps several times until bubbles stop coming out of the system and into the syringes.



- 7** Disconnect the syringe from the seatpost bleed port. Use a T10 TORX wrench to reinstall the bleed screw and tighten to 1.1-2.2 N•m (10-20 in-lb).

Spray isopropyl alcohol on the seatpost and clean it with a rag.



- 8** Pull up on the remote syringe plunger and slowly press down on the remote actuator, then press in on the remote syringe plunger until the remote lever fully extends. Repeat this process a few times until no more bubbles are pulled from the system.



- 9** Press down on the remote syringe plunger and make sure the remote actuator is fully extended. Remove the syringe and use a T10 TORX® wrench to reinstall the bleed screw and tighten to 1.1-2.2 N•m (10-20 in-lb).

Spray isopropyl alcohol on the remote and clean it with a rag.



- 10** Press the remote actuator five times. Release it to allow the actuator to return to its extended position. Pull back on the actuator. If it doesn't move, you have successfully bled the remote and are finished servicing your Reverb. If a gap is present, repeat remote bleed steps [3-10](#).



- 11** Reinstall the Reverb into the bicycle frame. Tighten the seatpost collar to the manufacturer's recommended torque, but **do not exceed 6.7 N•m (59.3 in-lb)**.

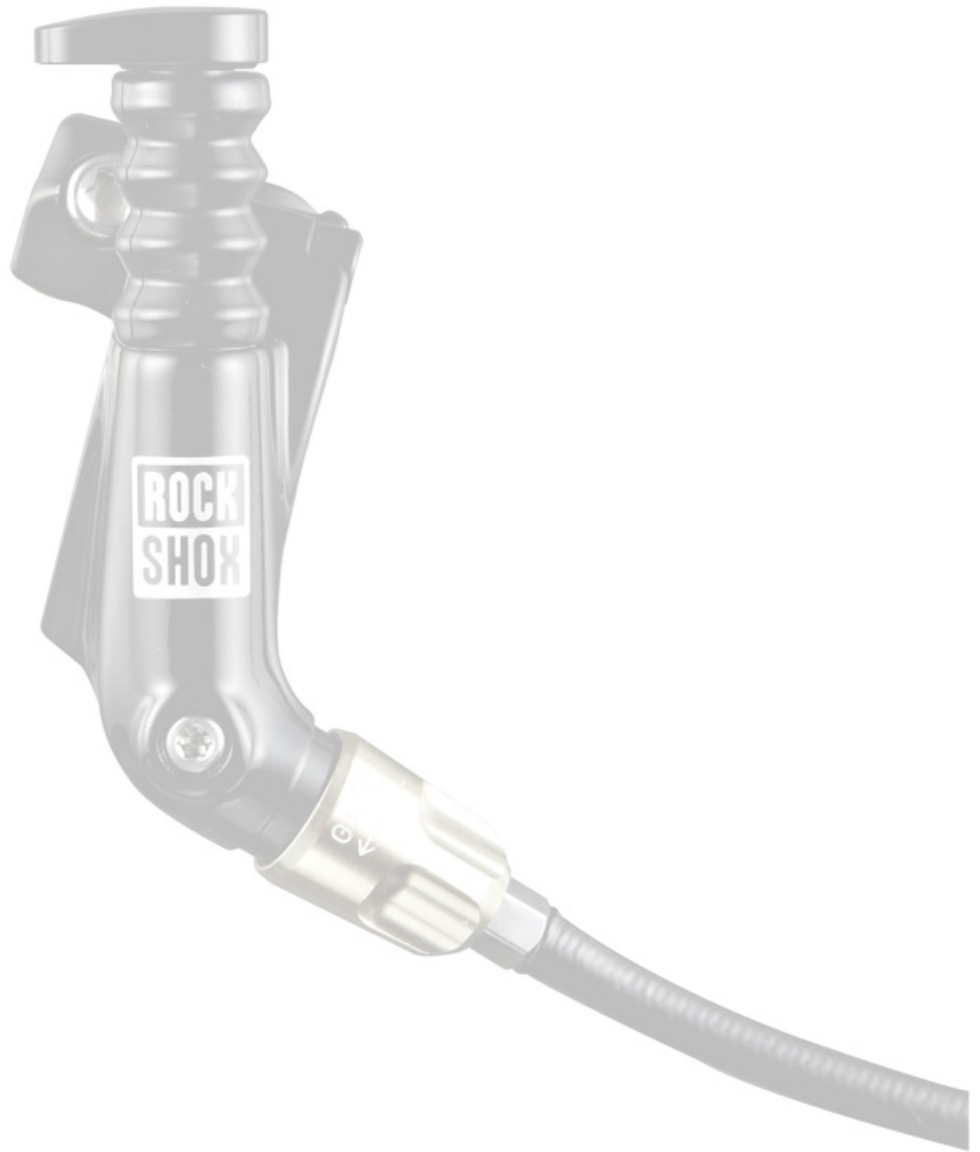


- 12** Reinstall the saddle and saddle clamps onto the seatpost. Use a 4 mm hex wrench and tighten the saddle clamp bolts to 2.2 N•m (19.5 in-lb).



**This concludes the service for Reverb remote.**

# RS-1 Remote





## RS-1 Remote Service

We recommend that you have your remote serviced by a qualified bicycle mechanic.

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. For the latest technical information, please visit our website at [sram.com/service](http://sram.com/service).

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

### NOTICE

The XLoc damper remote lockout uses a specific hydraulic hose that is compatible with the system's Reverb™ Hydraulic Fluid.

- Do **NOT** use hydraulic brake fluid or mineral oil in the XLoc system. Only use Reverb Hydraulic Fluid.
- Do **NOT** use hydraulic brake bleed tools to bleed the XLoc system. Only use the RockShox Standard Bleed Kit.
- To optimize performance of the bleed kit tools, clean the syringes with soap and water after each use and let them dry completely.

### SAFETY INSTRUCTIONS

Always wear safety glasses and nitrile gloves when working with Reverb Hydraulic Fluid.

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

### Parts and Tools

- |                               |                                   |
|-------------------------------|-----------------------------------|
| • Safety glasses              | • T10 TORX bit socket             |
| • Nitrile gloves              | • Torque wrench                   |
| • Apron                       | • 5 mm hex wrench                 |
| • Clean, lint-free rags       | • Soft face mallet                |
| • Isopropyl alcohol           | • 24 mm socket wrench             |
| • Oil pan                     | • RS-1 Anchor Tool                |
| • RockShox Standard Bleed Kit | • 30 mm socket wrench             |
| • Reverb Hydraulic Fluid      | • 6 mm and 9 mm open end wrenches |
| • T10 and T25 TORX® wrench    |                                   |

## Hydraulic Hose Removal

- 1** Push the XLoc™ button in to the compressed (unlocked) position.  
Use a flat blade screwdriver to remove the rebound adjuster knob.



- 2** Use a 5 mm hex wrench to loosen the non-drive side bottom bolt 3 to 4 turns.



- 3** Place an oil pan beneath the fork to catch any draining fluid.  
Use a soft face mallet to firmly strike the non-drive side bottom bolt to dislodge the rebound damper shaft from the stanchion.  
Use a 5 mm hex wrench to unthread and remove the bottom bolt from the stanchion.



- 4** Firmly pull the stanchion downward until fluid begins to drain.  
Continue pulling downward to remove the stanchion from the Carbon Fiber Upper.  
If the stanchion does not slide out of the Carbon Fiber Upper, then the press-fit of the shaft to the drop out may still be engaged.  
Reinstall the bottom bolt 2-3 turns and repeat steps 2-4.



- 5 Use your fingers to remove the wire spring from the dust wiper seal and set it aside.



- 6 Insert the RS-1 Anchor Tool into the bottom of the drive side Carbon Fiber Upper while gently rocking the RS-1 Anchor Tool side to side.

**NOTICE**

Do not allow the dust wiper seal to fold over when inserting the RS-1 Anchor Tool.



- 7 Use a 30 mm socket wrench to push up the rebound shaft, then engage the anchor and rotate the RS-1 Anchor Tool clockwise to unthread the anchor.

**NOTICE**

The XLoc™ hose will spin as you loosen the anchor from the Carbon Fiber Upper. This is normal.



- 8 Guide the XLoc hose through the assembly hole while pulling down on the RS-1 Anchor Tool to remove the Accelerator Damper™ assembly from the Carbon Fiber Upper.

Remove the RS-1 Anchor Tool from the Accelerator Damper assembly.



- 9 Press the XLoc™ button to release it to the extended (locked) position. Rotate the XLoc gate adjuster counter-clockwise in the direction of the arrow until it stops.

Use a 6 mm open end wrench to hold the Connectamajig™ in place while using a 9 mm open end wrench to unthread and remove the knurled collar from the Connectamajig.

### NOTICE

Failure to lock the XLoc remote before disconnecting it will result in fluid leaking from the XLoc. This will require a complete bleed of the system.



- 10 Use your fingers or a pick to loosen the grommet from the assembly hole.

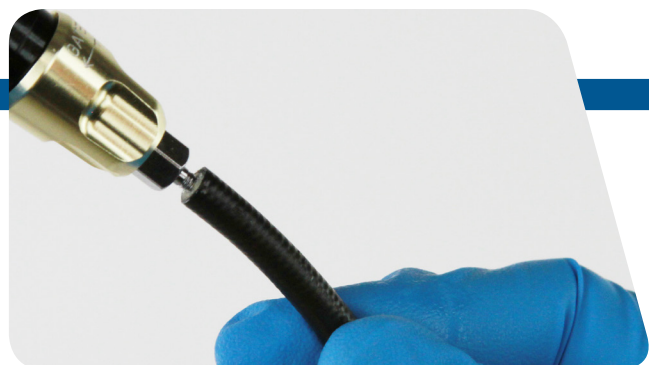
Remove the XLoc remote, Connectamajig, and grommet from the Carbon Fiber Upper.



- 11 Unthread the XLoc from the hydraulic hose.

### NOTICE

Do not push the remote actuator while the hose is removed.



## Hydraulic Hose Installation

- 1 Use a hydraulic hose cutter or sharp cable housing cutter to cut the new XLoc™ hose to the desired length.  
Thread the hydraulic hose into the XLoc.



- 2 To guide the XLoc hose through the Carbon Fiber Upper, insert the RS-1 Anchor Tool into the non-drive side leg.

### NOTICE

Do not allow the outer lip of the dust wiper seal to fold over when installing the RS-1 tool.

Insert the XLoc hose into the assembly hole on the non-drive side Carbon Fiber Upper. Feed the hose through the Carbon Fiber Upper until it comes through the inside of the tool.

Remove the RS-1 Anchor Tool.





- 3** Thread the Connectamajig™ into the knurled collar.  
Use a 6 mm open end wrench on the wrench flats on the Connectamajig. Use a 9 mm open end wrench on the wrench flats on the knurled collar.  
Holding the Connectamajig in place, thread the knurled collar onto the Connectamajig and tighten it.  
Push the XLoc™ button in to the compressed (unlocked) position.



- 4** Install the RS-1 Anchor Tool onto the Accelerator Damper™.  
Insert the RS-1 Anchor Tool and Accelerator Damper into the Carbon Fiber Upper while simultaneously pulling the XLoc hose through the leg.

#### NOTICE

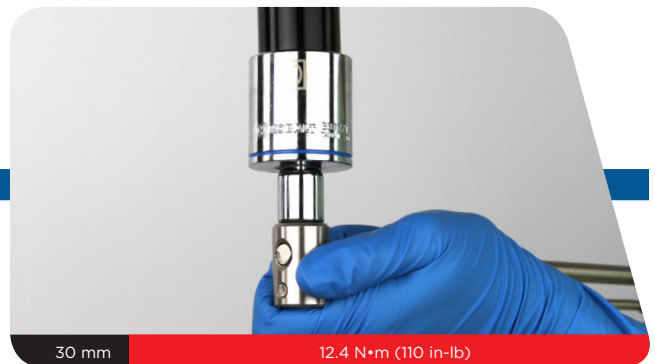
Do not allow the outer lip of the dust wiper seal to fold over when installing the RS-1 tool.



- 5** Rotate the RS-1 Anchor Tool counter-clockwise to thread the anchor into the Carbon Fiber Upper.  
Use a torque wrench with a 30 mm socket to push up on the rebound shaft and tighten the anchor to 12.4 N•m (110 in-lb).  
Remove the RS-1 Anchor Tool.

#### NOTICE

The XLoc hose will spin as you tighten the anchor from the carbon Carbon Fiber Upper. This is normal.



- 6 Slide the wire spring onto the non-drive side stanchion tube, then insert the stanchion into the Carbon Fiber Upper.

### NOTICE

Make sure the dust wiper seal slides over the RS-1 tool without folding the outer lip of the seal.

Use your fingers to install the wire spring onto the dust wiper seal.



- 7 Push the XLoc™ button to release it to the extended (locked) position.

Push the stanchion into the Carbon Fiber Upper until it engages with the rebound shaft.



- 8 Use your fingers to thread the bottom bolt into the non-drive side leg assembly.

Use a torque wrench with a 5 mm hex bit socket to tighten the bolt to 6.8 N•m (60 in-lb).

Install the rebound adjuster knob into the non-drive side bottom bolt.



- 9 Use your fingers to install the rebound adjuster knob.



- 10 Press the grommet into the assembly hole.



Cutting the hose introduces air into the system. It is necessary to bleed the remote assembly for optimal performance. See **XLoc Sprint™ bleed procedure** for instructions.

## Remote and Hose Bleed

- 1 Use a T25 TORX® wrench to loosen the remote clamp bolt and rotate the remote so that the bleed screw is at the highest point. If there is a shifter installed on the matchmaker clamp, you will need to remove it before adjusting the clamp bolt.



- 2 Turn the speed adjuster barrel the opposite direction of the arrow (counter-clockwise) until it stops.



- 3 Fill one syringe 3/4 full with Reverb™ Hydraulic Fluid. Hold the syringe upright, cover the tip with a rag, and gently depress the plunger to purge any air bubbles from the syringe.

### NOTICE

Only use the syringes that come with the RockShox Standard Bleed Kit. Do not use any syringe that has been in contact with DOT fluid.



- 4 Use a T10 TORX wrench to remove the bleed screw from the remote. Install the fluid filled syringe into the bleed port.





- 5** Pull up on the remote syringe plunger and slowly press down on the remote actuator, then press in on the remote syringe plunger until the remote lever fully extends. Repeat this process a few times until no more bubbles are pulled from the system.



- 6** Press down on the remote syringe plunger and make sure the remote actuator is fully extended. Remove the syringe and use a T10 TORX® wrench to reinstall the bleed screw and tighten to 1.1-2.2 N•m (10-20 in-lb).

Use isopropyl alcohol and a rag to clean any Reverb Hydraulic Fluid from the remote.



- 7** Press the remote actuator five times. Release it to allow the actuator to return to its extended position.

Pull back on the actuator. If it doesn't move, you have successfully bled the remote and are finished servicing your RS-1.

If a gap is present, repeat remote bleed steps [3-7](#).



**This concludes the service for RS-1 remote.**





