

REVERB Remote Hose Replacement and System Bleed

This service guide covers the steps to *replace* the Reverb remote hose and perform a *bleed* of the Reverb system.

IMPORTANT:

You must perform a system bleed any time you replace the remote hose.

TOOLS NEEDED FOR SERVICE

HOSE REPLACEMENT

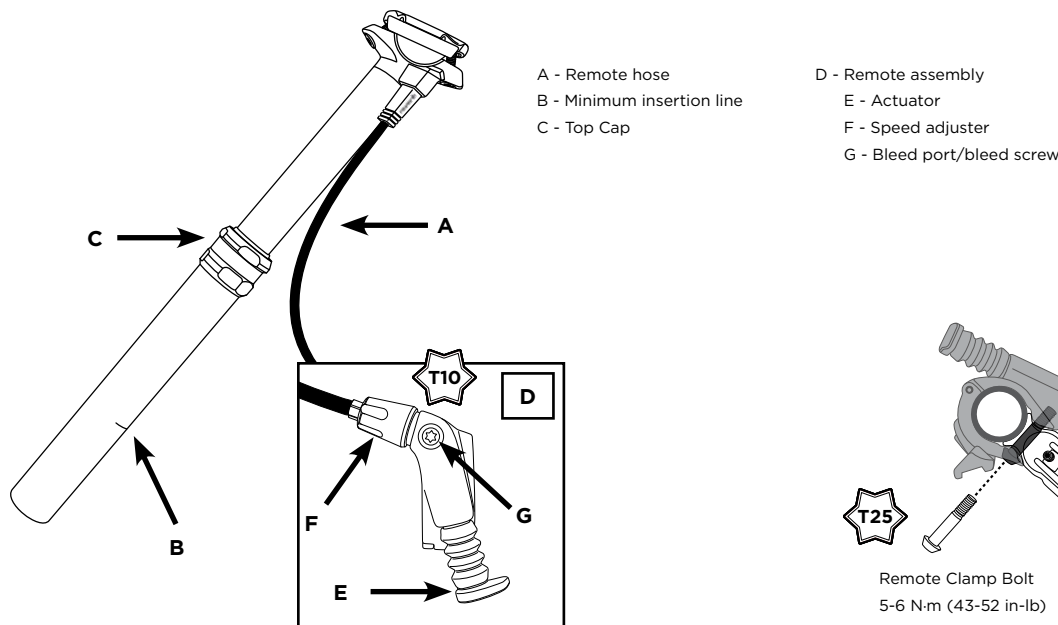
Safety glasses
Nitrile gloves
6 mm open end wrench
Needle nose or slip joint pliers
Sharp utility knife
Cable cutter
High quality hydraulic hose cutter

SYSTEM BLEED

Safety glasses
Nitrile gloves
Reverb Bleed Kit
RockShox 2.5 wt suspension fluid
T10 and T25 Torx®
Torque wrench with a T10 Torx socket
Clean, lint free rag

IMPORTANT:

Do not use Avid Hydraulic Disc Brake bleed tools or any other bleed kit that specifies DOT fluid. Any DOT fluid that contaminates the Reverb system will damage the product. In addition, suspension fluid will damage any DOT specific brake bleed tools.



HOSE REPLACEMENT

When replacing the remote hose, you will need to determine the final length of the hose prior to installing it. Determine where you need to cut the new remote hose by routing it from the remote assembly to the seatpost while the seatpost is in the fully extended position. Make sure to leave a gentle bend at both the remote and the seatpost and account for handlebar rotation.

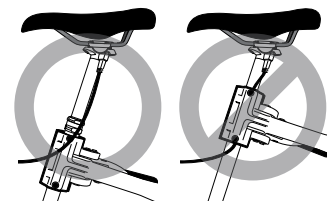
If you are unable to extend the seatpost to its full height, use the old hose length as a guide to determine the new hose length.

1. Push the remote actuator to extend the seatpost to its full height.
2. Clamp the bicycle into a bike stand.

To clamp a Reverb equipped bicycle into a bike stand, loosen the seatpost binder bolt/quick release at the frame. Raise the seatpost to the Minimum Insertion line then tighten the seatpost binder bolt/quick release to the frame manufacturer's recommendation. Do not exceed 6.7 N-m (60 in-lb).

Important: clamp the seatpost into the bike stand just below the top cap. Do not clamp the seatpost by the top cap or allow the hose to be clamped as this may damage the seatpost.

3. Turn the speed adjuster on the remote counter-clockwise to the *Full Slow* position (this is opposite the direction of the arrow printed on the speed adjuster).
4. Orient the bike so that the remote assembly is higher than the top of the saddle.
5. Use a T25 Torx to loosen the remote clamp bolt then rotate the remote assembly so that the bleed screw is at the highest point on the remote. Re-tighten the clamp bolt just enough to prevent the remote assembly from rotating on the handlebar.
6. Place an oil pan on the floor directly beneath the remote assembly.
7. Use a cable cutter to cut the remote hose approximately 1" (one inch) from the remote assembly. Allow any oil to drain into the oil pan.



8. Move the oil pan underneath the seatpost.
9. Use a cable cutter to cut the remote hose approximately 1" (one inch) from the strain relief at the seatpost.
Allow any oil to drain into the oil pan.
Discard the old remote hose.
10. Use a 6 mm open end wrench to unthread the hose barsbs at both the remote assembly and seatpost. Discard the old hose barsbs.
Important: Do not reuse the old hose or hose barsbs.
11. Thread the new, longer hose barb, by hand, into the remote assembly. Ensure the o-ring is present on the hose barb prior to installing it.
Use a torque wrench with a 6 mm socket to tighten the remote assembly barb to 3.1 N-m (28 in-lb).
12. Thread the new, shorter hose barb, by hand, into the seatpost. Ensure the o-ring is present on the hose barb prior to installing it. Use a torque wrench with a 6 mm socket to tighten the seatpost barb to 5.0 N-m (45 in-lb).
13. Use a hydraulic hose cutter to cut the new hose to the desired length.
14. Grip one end of the remote hose with a pair of pliers. **Do not damage the remote hose by gripping it too tightly.** Use a twisting motion to press the remote hose back onto the seatpost hose barb. Continue to press the remote hose onto the hose barb until the end of the hose makes contact with the base of the barb.
15. Slide the strain relief, large end first, over the length of the remote hose. Press the strain relief onto the seatpost hose barb. Make sure the *Reverb* logo, embossed on the strain relief, is visible from the non-drive side of the seatpost.
16. Grip the other end of the remote hose with a pair of pliers. **Do not damage the remote hose by gripping it too tightly.** Use a twisting motion to press the remote hose back onto the remote assembly hose barb. Continue to press the remote hose onto the hose barb until the end of the hose makes contact with the base of the barb.

You have completed the *Remote Hose Replacement* portion of this service guide. You will now need to perform a *System Bleed* in order for your seatpost to function properly.

SYSTEM BLEED

1. Confirm the system is prepared according to steps 1-6 of the *Remote Hose Replacement* instructions.
2. Use a T10 Torx to remove the both the seatpost and remote assembly bleed screws.
Note the difference in shape between the two bleed screws so you don't confuse them later. The seatpost bleed screw has a flat base and o-ring, while the remote assembly bleed screw has a pointed base.
Set the bleed screws aside.
3. Prepare the first RockShox Reverb bleed syringe by filling it ¾ full of RockShox 2.5wt oil.
Hold the syringe with the tip pointed up.
Place a rag around the tip and slowly push any air bubbles out of the syringe.
4. Thread the syringe into the remote assembly bleed port.
5. Prepare the second, empty, RockShox Reverb bleed syringe by pushing the syringe plunger all the way in, then thread the empty syringe into the seatpost bleed port.
6. Purge the system of air and fill it with oil.
While holding both syringes upright, gently push on the remote assembly syringe plunger and gently pull up on the seatpost syringe plunger at the same time. This will force oil and any air bubbles through the remote assembly, remote hose, seatpost, and into the seatpost syringe.
Continue to push on the remote assembly syringe plunger until it is nearly empty.
Important: at this point, an excessive amount of air may accumulate in the seatpost syringe which can make the bleed process difficult. If this occurs, unthread the seatpost syringe from the bleed port, hold the syringe with the tip pointed up, place a rag around the tip and slowly push any air out of the syringe. Thread the syringe back into the seatpost bleed port.
7. Bleed any remaining air from the system.
While holding both syringes upright, gently push on the seatpost syringe plunger until the syringe is nearly empty and pull up on the remote syringe at the same time. You should see air bubbles and oil moving into the remote syringe.
Then, gently push on the remote assembly syringe plunger until the syringe is nearly empty and pull up on the seatpost syringe at the same time. You may see air bubbles in the oil as oil fills the seatpost syringe.
Cycle the oil between the seatpost and remote assembly syringes, by pushing and pulling, until no more air bubbles transfer into either syringe.
Finish the process of cycling the oil between the seatpost and remote assembly with a firm push on the seatpost syringe plunger until the syringe is nearly empty and pulling up on the remote syringe at the same time.
8. Unthread the syringe from the seatpost bleed port.
9. Use a T10 Torx to thread the seatpost bleed screw (the bleed screw with the flat base and o-ring) into the seatpost bleed port and tighten it to 1.7 N-m (15 in-lb).
10. Dislodge any remaining bubbles from inside the remote assembly.
While pushing on the remote assembly syringe plunger, press the remote actuator 8 times then turn the speed adjuster back and forth 4 times.
Pull up on the syringe plunger to remove any air bubbles that may have been dislodged from the remote assembly. Repeat until no more air bubbles come out of the remote assembly.
11. Complete the bleed process by pushing the remote assembly syringe plunger one final time to force the remote actuator to return to the fully extended position.
Continue to push on the syringe plunger and turn the speed adjuster on the remote counter-clockwise to the Full Slow position (this is opposite the direction of the arrow printed on the speed adjuster).
12. Unthread the syringe from the remote assembly.
13. Use a T10 Torx to thread the remote assembly bleed screw (the bleed screw with the pointed base) into the seatpost bleed port and tighten it to 1.7 N-m (15 in-lb).
14. Use a T25 Torx to loosen the remote clamp bolt. Rotate the remote to the desired position on the handlebar. Tighten the remote clamp bolt to 5-6 N-m (43-52 in-lb).
15. Turn the speed adjuster to the desired setting.
16. Secure the remote hose to the bicycle frame.
17. Spray isopropyl alcohol on the remote assembly, remote hose, and seatpost and clean them with a lint free rag.
18. Remove the bicycle from the bike stand.
19. Set the seatpost to the desired height then tighten the seatpost binder bolt/quick release to the frame manufacturer's recommendation. **Do not exceed 6.7 N-m (60 in-lb).**

This completes the *Reverb Remote Assembly Hose Replacement and System Bleed*.

For additional service information, please visit the service section of our website at www.sram.com.