



50-100 Hour Service

LOOP SL, LOOP TR, STAGE, SLOPE, STOKE

Necessary tools, parts, and supplies:
Rebound removal knob WB-97-702 (optional)
Open-end wrench, 10 mm
Snap ring pliers (fine tip)
Small flat blade screw driver.
Hex keys, 1.5mm, 2mm, & 3 mm
Small pick (dental pick works best)
Fork or suspension oil, 5 wt.

1) Remove the fork from the bicycle.

2) Release all air pressure from the air spring leg by depressing the air release valve located in the center of the RAMP control knob or in the center of the air cap on LOOP SL forks.
NOTE: Turn the RAMP knob to the softest setting (counterclockwise) on LOOP TR and STAGE forks, to make sure all air is released.

3) With the air released take a 10mm wrench and unthread the Schrader valve (on the bottom of the disc leg) until it can be removed. With the Schrader valve removed, take a small pick and remove the o-rings from the Schrader valve body and set them aside if undamaged.

4) Thread the Schrader cap back onto the valve and thread the Schrader valve back into the air spring rod, leaving 5mm of the threads exposed. Use your rubber mallet to tap the Schrader cap and release the air spring rod from the lowers. Once released, remove the Schrader valve from the bottom of the fork and set aside.

5) Slide the lower casting to the fully extended position on the stanchion assembly and turn the compression knob clockwise to the closed position.

6) Loosen the setscrew on the red rebound knob until the knob can slide off of the damper screw. Remove the rebound knob and set aside.

7) Remove the damper screw using the Rebound Removal Knob, in combination with the open end 10 mm wrench. Skip to step 7a if removal tool is not being used. Holding the Rebound Removal Knob while turning the screw will maintain the position of the rebound needle in the damper rod.

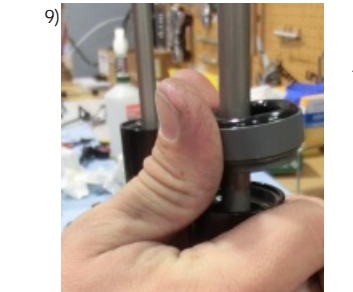
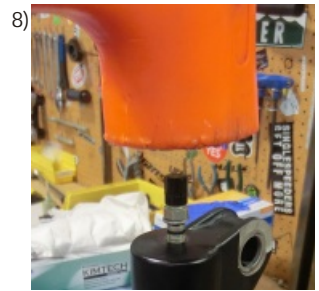
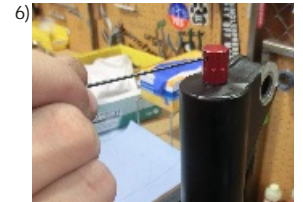
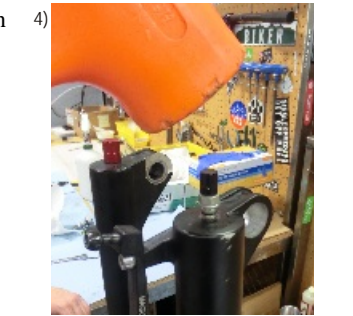
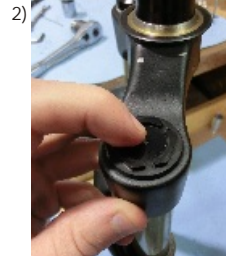
7a) If the Rebound Removal Knob is not used, the rebound needle will unthread to the end of the damper rod as the damper screw threads out. While threading the damper bolt out feel for the bolt to disengage from the threads, then pull the damper bolt straight out. The internal rebound needle will be at the end of the damper rod, use a 3 mm hex key to turn the rebound needle back down into place. Tighten until firm resistance is encountered, then back off by 2 turns.

8) Thread the Schrader valve (with the Schrader cap threaded on and o-rings removed) into the damper rod leaving 5mm of the threads exposed, then tap the Schrader valve firmly with the mallet to unseat the damper rod. Remove the Schrader valve. Slide the fork lower off of the stanchion assembly and set the fork lower aside. Lubricating oil may drip from the fork lower and stanchions.

9) For LOOP SL/TR forks jump to step 10. For STAGE forks you will want to remove the bottom out peg from the bottom of the air spring stanchion. To do so press firmly on the side of the peg until it pops off the stanchion and can be removed from the air spring side. Set the bottom out peg aside.

10) Check again that all pressure has been released from the air chamber. Using snap-ring pliers for LOOP SL/TR forks or a small flat blade screw driver for STAGE forks, remove the snap-ring at the bottom of the air spring stanchion. Thread the Schrader valve into the end of the spring side rod to make spring assembly removal easier. Grip the screw and pull firmly on the rod to remove the spring assembly. *Tech Tip:* depress the air release valve in the RAMP knob or air cap, to make removal of the air spring assembly easier.

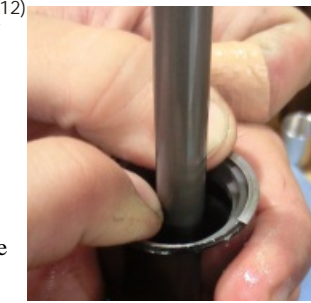
11) With the air spring assembly removed from the stanchion, carefully inspect the parts and rod for any abnormal wear or broken parts. Replace any parts that are worn or damaged.



12) Lightly grease all the O.D. seals on the air spring. Before installing the air spring assembly, add 2 drops of fork oil into the stanchion for lubrication. Install the spring assembly, carefully sliding the seals into the stanchion making sure the seals do not get damaged. Carefully install the snap-ring in place using snap ring pliers for LOOP SL/TR forks and a small screwdriver for STAGE forks, then check that the ring is properly seated into the snap-ring groove. Set the stanchion assembly aside.



13) For LOOP SL/TR forks jump to step 14. For STAGE forks you will now want to reinstall the bottom out peg. Slide the peg over the air spring rod so the bottom out bumper is facing away from the stanchion. Then with the peg lined up on the stanchion, press down firmly until you feel the bottom out peg snap into place. Set the stanchion assembly aside.



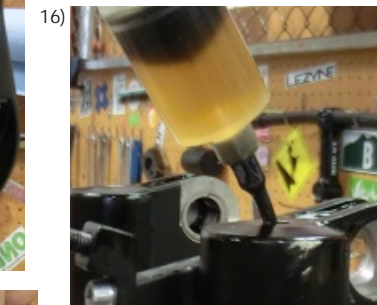
14) With the lowers in hand, take a small pick and remove the foam ring from under the wiper seals. Set the foam rings in some fork oil and rinse off any dirty oil or dirt that may have dropped into the lowers. Next wipe down the wiper seals, cleaning any dirt and oil that has built up on the seals. If you have any dirt that drops into the lowers you can use some fork oil to flush the lowers by, pouring it through the top of the lowers and draining out the bottom bolt holes. Reinstall the foam rings under the wiper seals and lightly grease the wiper seals with stanchion grease.



15) Before reassembling the fork lower to the stanchion assembly, check the o-rings from the Schrader valve and replace damaged ones then install into the o-ring grooves. Inspect the o-rings on the damper screw and replace as needed. Give the o-rings a light coat of grease then set the Schrader valve and damper screw aside.



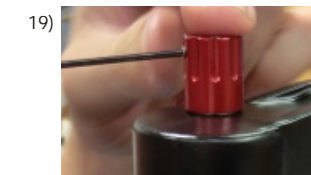
16) With the stanchion assembly inverted, slide the fork lower onto the stanchions. As soon as the lower bushings in the fork lower engage the stanchions, stop and pour approximately 20cc of fork oil into the bolt hole of the spring leg for lubrication, 10cc of oil into the damper leg. Hold the fork at an angle while pouring to avoid getting oil in the ends of the damper and air spring rods.



17) Resume sliding the fork lower onto the stanchions until the fork lower touches the damper rod. Use the corner of a shop rag or cotton swabs to remove excess oil that may have gotten into the end of the damper rod, then install the damper screw.



18) Use the Rebound Removal Knob to hold the rebound adjustment stationary as the damper screw is tightened. If the screw encounters resistance before fully tightening, oil may still be trapped in the socket of the rebound needle. Remove the damper screw and use a cotton swab to wick away oil pooled in the hex socket, then install the damper screw and tighten to 75 inch-lbs (8.5 Nm).



18a) If the Rebound Removal Knob is not used, before installing the damper screw use the 3 mm hex key to unscrew the rebound needle inside the damper rod until it is near the end of the rod. This should only be done with damper rod fully extended. Use a cotton swab to wick away any oil trapped in the socket of the rebound needle. Insert the damper screw so the male hex and female hex line up properly, then thread the damper bolt and rebound needle in until they bottom out. Tighten the screw to 75 inch-lbs (8.5 Nm).



19) Wipe away any oil on the damper screw and install the red rebound knob. Turn the blue compression knob to the fully open position and compress the fork until the casting touches the air spring rod. Install the Schrader valve and tighten to 75 inch-lbs (8.5 Nm).

20) With the **EQUALAIR** spring in your fork, you will first want to inflate the fork to 50psi with a bicycle shock pump. Then pull the lowers away from the crown allowing the two chambers to equalize in air pressure; you can leave the pump attached during the inflation process. Now inflate the fork to your desired air pressure and pull the lowers away from the crown again. Again re-inflate the **EQUALAIR** spring to your desired pressure and remove the air pump and install the air cap.

21) Clean and install the fork onto the bike.

If you have any questions or need any parts, please contact us at Mountain Racing Products 970-241-3518 or email info@mrpbike.com

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