

Coil Spring Service

RST uses a Spring System in many of the basic fork models. Some fork models may have dual spring systems and others may have a single spring with a dust cover on the opposite leg or an TNL or MLC lock out system. The system is serviceable and should be done at least once a year. These directions will cover servicing the Spring System after the casting has been removed. Please refer to casting removal for the fork model.

SAFETY FIRST! Make sure you are using eye protection and safety gloves when servicing RST suspension forks

Note Never use lithium based lubricants in RST forks. Compounds in lithium based greases will attack and destroy seals and bushings in our forks. The use of the wrong lubricants will void your warranty and damage caused by them is not covered.

Tools and Supplies Needed: Flat Blade Screw driver, Phillips Blade screw driver, 2mm hex wrench, RST Special Wrench, shop towels, tray for small parts

Note During all steps of the following instructions you must make sure that all parts are being inspected for damage or excessive wear.

Note Please refer to casting removal instruction before beginning this operation.

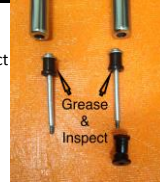
STEP 1 Turn Spring preload knob to full negative - or softest setting.



STEP 2 Using the RST special wrench PN #H5GAC616 remove the spring preload knobs.



STEP 3 Pull up carefully not damage the spring retainer at the end of the spring preload knob. Put aside and move on to pulling off bottom out spacer and rubber bumper. Once those parts are removed turn the CSA(Crown, Steer Assembly)over to let the compression rod come out of the top of the crown to inspect

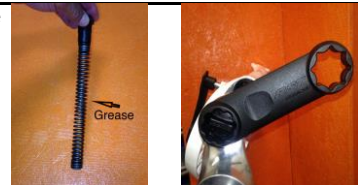


NOTE You can also use a water based cleaner like Simple Green to help in this step.

STEP 5 Once the CSA is cleaned and dry. The compression rods can go back into the top of the fork crown with the threaded ends going in first. Reinstall the bottom out rubber bumpers and spacers.



STEP 6 Use a liberal amount of grease on the spring and reinstall spring and preload cap back into fork. Torque to 5-6Nm.



STEP 7 With everything assembled in the CSA you can now reinstall the lower casting. Please refer to casting service document.