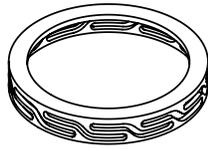


# SEAL SUPPORT RING (SSR)

## Installation Instructions Supplement



This supplement provides detailed information not covered in the SSR Install Instructions video. Refer to this supplement for specific details about greasing, seating the x - ring, and installation of the SSR itself.

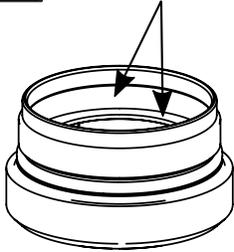
Refer to the video for general disassembly/ re-assembly instructions.

The SSR is a new development. It improves the reliability of the primary X-ring air seal in the Fall Line dropper post. It is a sophisticated component that requires careful installation to prevent damage and to ensure performance.

It works by better containing and preloading the x-ring to seal more reliably in our low-pressure reciprocating application. It has a crushable element to perfectly conform to the height of the new X-ring, and a spring element to maintain seal loading.

**To ensure a good seal, the SSR must be replaced every time the X-ring is replaced.**

P10L GREASE: THIN FILM



Successful installation of the SSR requires careful attention to the amount and location of grease applied, proper seating of the x-ring, and correct installation of the SSR itself.

Before installing the Collar Nut onto the post, ensure that the Collar Nut is clean and dry.

Apply only a thin film of P10L grease to the two Collar Nut surfaces that support the X-ring. Too much grease will prevent the X-ring from seating properly and may reduce sealing performance.



Apply only a thin film of P10L grease to the X-ring seal to aid in installation.

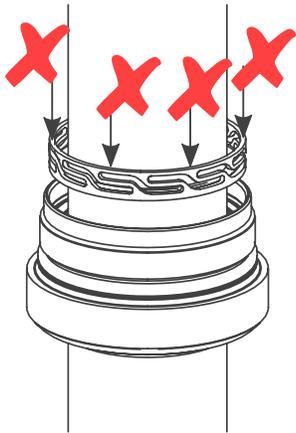
Too much grease will prevent the X-ring from seating properly.

P10L GREASE: THIN FILM



When installing the X-ring into the Collar Nut, be careful to work it in gradually using a blunt tool. It must be fully seated into the Collar Nut, or else the SSR will be over compressed when the Collar Nut is tightened and the benefits of the SSR will be diminished or lost.

Ensure that there is no supporting grease or air pocket preventing it from being fully seated. The method shown in the video, gradually working the X-ring down, is an excellent approach.

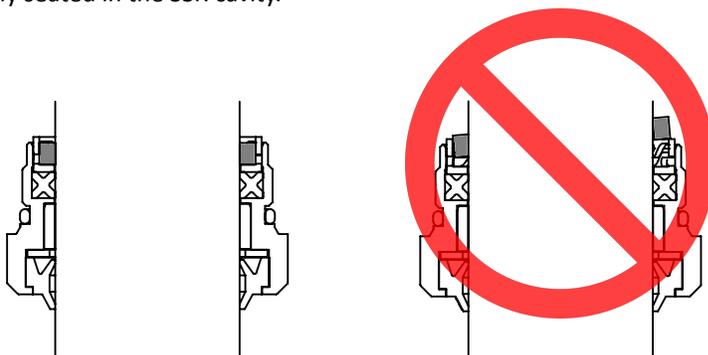


Rest the SSR gently on the X-ring.

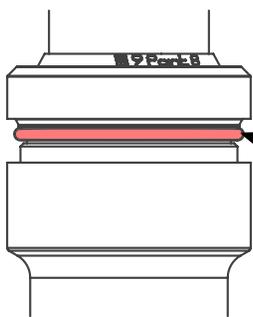
 DO NOT FORCE IT DOWN. DO NOT PRESS ON THE SSR TO SEAT

Apply P10L grease into the SSR cavity. About half fill the cavity.

Insert the the Foam Ring into the SSR cavity. This may displace some grease, which is fine. Assure the Foam Ring is fully seated in the SSR cavity.



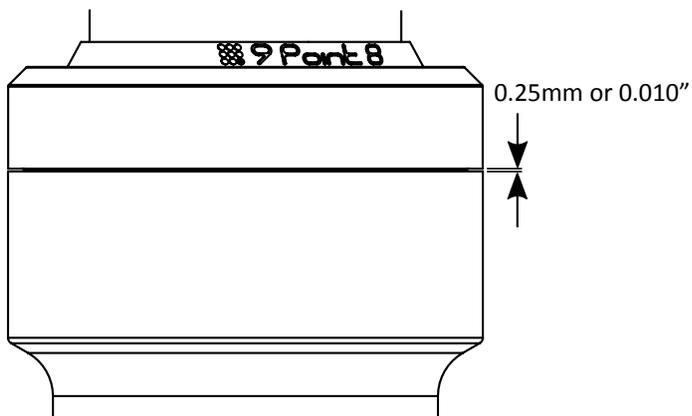
 THE FOAM RING MUST BE WITHIN THE SSR CAVITY, AND NOT OVER THE EDGE OF IT.



Remove excess displaced grease. Excessive grease should be avoided.

Apply a thin film of P10L grease to the Red O-ring seal on the outside of the Collar Nut to prevent the Red O-ring from being pinched while tightening the Collar Nut.

 P10L GREASE: THIN FILM



Once tightened, check the gap between the Collar Nut and Lower Tube.

It should be about 0.25mm or 0.010\"/>

If the gap is significantly larger than this, the nut is not seated properly.