

Rebuild the shock shaft is the reverse procedure of strip down



Use a small amount of red thread lock prior to fitting the nut.



Remove rebuilt shaft assembly from the shaft blocks.

Charge the reservoir with air. This will bottom out the floating piston inside the reservoir. By doing this the shock will be filled with the correct amount of oil.



Now fill the shock with hydraulic oil until the level is about $\frac{1}{2}$ " from the snap ring groove for 8", 10" and 12" stroke or 1" from the snap ring groove for 14", 16" and 18" stroke.

Take the shaft assembly and re-install it.



Take the wiper cap and seal cap and slide them upwards towards the piston (so the shaft is at full extension)



Next, plunge the piston and seal cap assembly into the cylinder. Plunge the assembly till the outer o-ring on the seal cap is just at the opening of the cylinder. As you are plunging the piston and seal cap assembly, make sure it is bleeding oil at the same time. If have not bled any oil by the time ou seat the o-ring on the rim of the cylinder you will need to add oil and repeat this step.



After you bleed oil out of the seal cap, release the pressure out of the reservoir. Now plunge the seal cap further in the cylinder to expose the snap ring groove.





Now install the snap ring.



To seat the seal cap against the snap ring, you can gently pull on the shaft to full extension or you can push down on the shaft to plug it into the cylinder, therefore raising the oil level and forcing the seal cap against the snap ring. Not much force is required to complete this step (so therefore be gentle)

Clean out the excess oil from behind the seal cap. If this is not done over time it will appear that the shock is leaking.



Now bring down the wiper cap and screw it onto the seal cap. You will have to pressurise the reservoir so there is resistance on the seal cap so the two thread together (only pressure to 10-15PSI)



Lastly, Remove the set screw from the wiper cap and place some blue thread lock onto the set screw and tighten down.



Charge with nitrogen as required.

