

## **Radflo 2.5" Remote Service Instructions**

1. Clean shock. Loosen grub screw located on the seal cap ring.
2. Loosen seal cap ring and remove.
3. De-pressurise shock at the remote air valve cap.
4. Push seal cap down to expose the snap ring. Remove the snap ring.
5. Remove shaft / seal cap assembly, by rocking back and forth and pulling at the same time until the seal cap 'O' ring is exposed. If necessary insert a rod into the shock eye and tap gently with a rubber mallet.
6. Depress remote air valve end cap. Remove snap ring and remote end cap.
7. Pour the old oil into suitable waste container oil. Depress the remote hose end cap. Remove snap ring, remove hose and end cap from reservoir. Remove the floating piston.
8. Clamp shaft in a vise, using the eyelet. Remove valving, seal cap, and seal cap ring. Make sure to keep the piston and valve plates in the order you take them off. Thread a zip tie through them if necessary.
9. With a scribe remove all seals from seal cap, remote end caps, and the floating piston. Make sure you do not damage the seal faces. Clean all parts with a small brush ( A tooth brush works well).
10. Inspect the valve plates and main piston, look for cracks or any signs of fatigue.
11. Check the shaft to see that it is not bent or has any gouges. Replace the shaft if necessary.
12. Install new seals on all parts. Use a small amount of grease on seal cap seals and wiper.
13. Install the seal cap ring and seal cap onto shaft. Take care not to damage any seals. Apply downward pressure and rotate the seal cap at the same time to seat the cap properly.
14. Assemble the valving, piston and lock nut. Torque nut to 30 ft./lb.
15. Clean body assembly and place in a vise open end up.
16. Clean remote body. Grease and install the floating piston wear band side first into the remote hose cap end of the remote and push it 2" into the remote housing.
17. Fill the remote with oil. Push the remote hose cap into the remote housing and install the snap ring. Pull gently on the hose to seat the snap ring.
18. From the air valve cap end, push the floating piston up 1" with wooden end of a mallet or a cut off broomstick. This will force any trapped air into the main shock housing.
19. Fill the shock housing until the oil level is 2" from the top.
20. Insert the shaft into shock. Gently stroke the shaft in and out until all the air bubbles are removed.
21. Pull the shaft up until the top out washer sits 0.5" from the top of the housing, making sure the main piston is always covered with oil to avoid air getting sucked into the shock.
22. While holding the shaft with one hand push the seal cap down in the housing. When oil starts bleeding around the seal cap push the seal cap in until the snap ring groove is exposed. Install the snap ring.

23. Install the snap ring. Check to be sure it is completely in its groove.  
This is very important!
24. Fit the air valve end cap and snap ring.
25. Gas the shock to 180-200 psi and fit the air valve cap.
26. Fit and tighten the seal cap ring and tighten the grub screw cap into position.
27. Remove the shock from the vise. Push the shock in to make sure it is stroking correctly.