

Radflo 2.5" Emulsion Service Instructions

1. Clean shock. Loosen grub screw located on the seal cap ring. (turn the set screw out 1/3 and use a soft piece of material and a mallet to tap the cap loose).
2. Loosen seal cap ring and remove.
3. De-pressurise shock at the air valve.
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. Pour the old oil into suitable waste container oil.
7. 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.
8. 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).
9. Inspect the valve plates and main piston, look for cracks or any signs of fatigue.
10. Check the shaft to see that it is not bent or has any gouges. Replace the shaft if necessary.
11. Install new seals on all parts. Use a small amount of grease on seal cap seals and wiper. (Install quad ring closest to the shaft bush. Remember to install the second seal with the pressure side facing the quad ring).
12. 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.
13. Assemble the valving, piston and lock nut. Torque nut to 30 ft./lb.
14. Clean body assembly and place in a vise open end up.
15. Fill the shock housing with the correct amount of oil for your shock travel.
16. Insert the shaft into shock.
17. While holding the shaft with one hand push the seal cap down in the housing.
18. Install the snap ring. Check to be sure it is completely in its groove. This is very important!
19. Gas the shock to 180-200 psi. and fit the air valve cap.
20. Fit and tighten the seal cap ring and tighten the grub screw cap into position.
21. Remove the shock from the vise. Push the shock in to make sure it is stroking correctly.