



DIRT LOGIC NON REMOTE RESERVOIR REBUILD

1. Clean shock. Depressurize.
2. Remove allen screws in bump cap and slide up on shaft.
3. Push rod guide assembly into body and remove retaining ring with pick.
4. Remove shaft assembly from shock body.
5. Dump oil
6. Use a slight amount of pressure in the Schrader valve to push out the Internal Floating Piston (IFP). Using compressed air is dangerous on this step and Fabtech does not recommend it.
7. Clamp shaft assembly in vice with soft jaws by the rod end.
8. Remove piston nut and all valving keeping it in exact order.
9. Remove rod guide and bump cap from shaft assembly.
10. Remove all seals with a pick making sure not to damage sealing areas.
11. Inspect and clean all parts. Check shaft for pits/damage. Replace if present. Check shims for damage and replace if necessary.
12. Install new seals with assembly lube.
13. Install bump cap and rod guide onto shaft making sure not to nick the seals when sliding on.
14. Install compression retainer, fulcrum washer, valving, piston and nut. Torque nut to 30 lb-ft using red loctite.
15. Clean body assembly, place in soft jawed vise retaining ring side up.
16. Install resealed and lubed floating IFP into body with cup side facing piston.
17. Depress Schrader valve and drive IFP down with shaft assembly to depth of O-ring on rod guide (see figure 1) and then remove shaft assembly. If a coilover perch must be on assembly to get proper depth. If a bottom out cushion is on shaft, after depth is achieved and shaft assembly is removed, push IFP into body an additional 3/16".



18. Fill shock body with Dirt Logic 5 wt oil roughly 3" from end.
19. Insert shaft assembly and move in and out slowly to remove air bubbles from the assembly if you rush this step you risk moving the floating piston from its set position and having to start all over.
20. Top off the shock with oil to about 1/2" from the top once bubbles are no longer present.
21. SLOWLY insert the rod guide assembly into the shock body with shaft bottomed out on bump cap. Oil and air bubbles will come out of the body until the o-ring gets to the body. Push rod guide assembly into body and install retaining ring and be sure that it is seated.
22. Clean excess oil out of open end of body with compressed air.
23. Install bump cap and fasten screws with blue loctite.
24. Compress the shaft all of the way into the shock.
25. Pressurize shock to 25-50psi until shaft is fully extended, shop air is ok for this step.
26. Compress shock to verify it fully compresses and fully extends. If shaft does not fully compress, step 17 was done incorrectly or step 19 or 21 were rushed causing the IFP to move.
27. Compress shock to full bottom, release pressure and recharge with specified nitrogen pressure. Install valve cap. All Dirt Logic shocks are charged to specific pressures depending on application. Have part number located on bump cap FTS8xxxxx ready and call Fabtech for specific pressure 877-432-2832.