

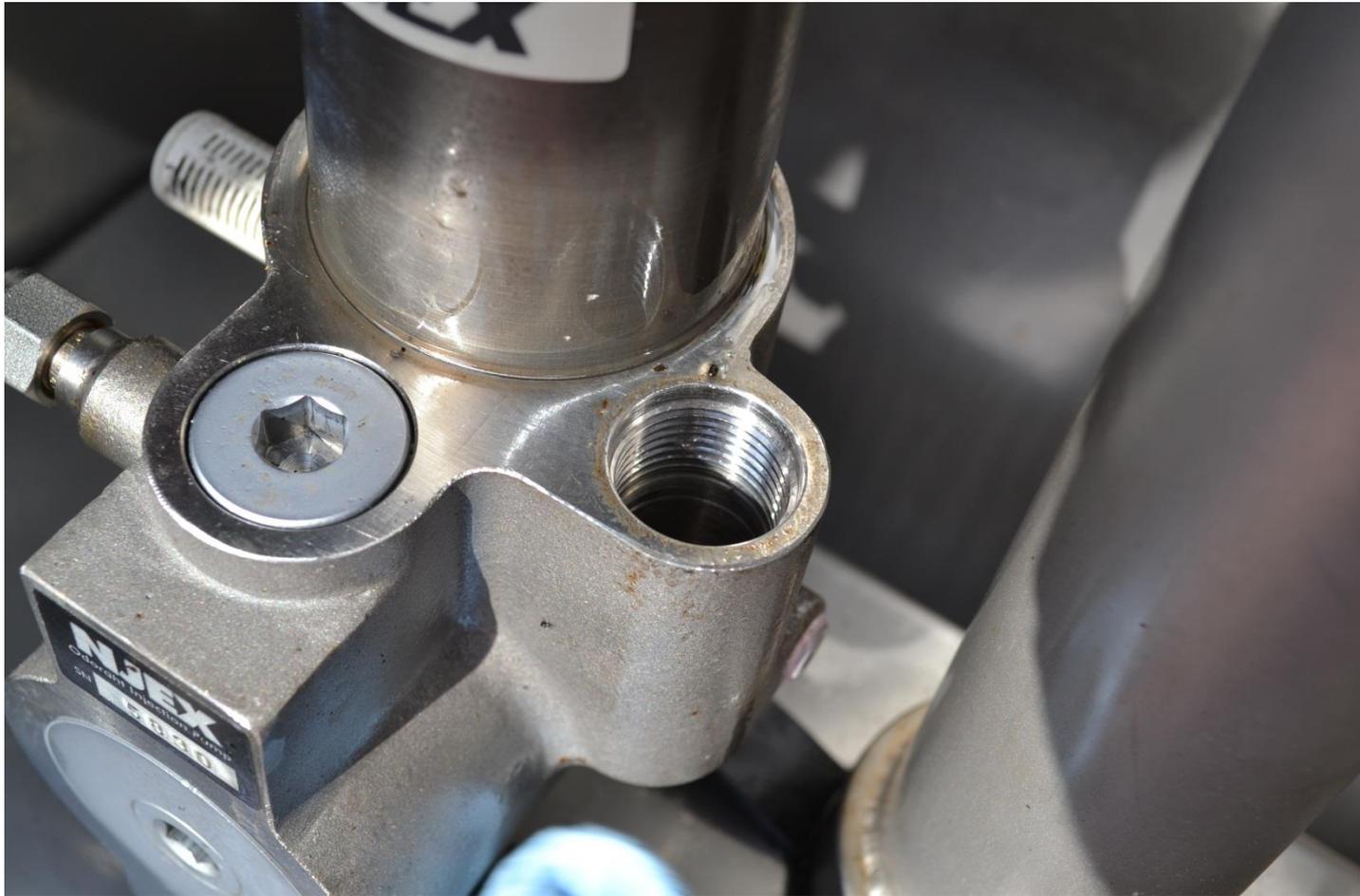


7000F Pump Maintenance

- Perform Forward System Purge Before Performing Pump Maintenance



Remove Oil Reservoir Cap & Soak Oil Out With Paper Towel





Disconnect Actuation Tubing





Loosen The Actuation Cylinder

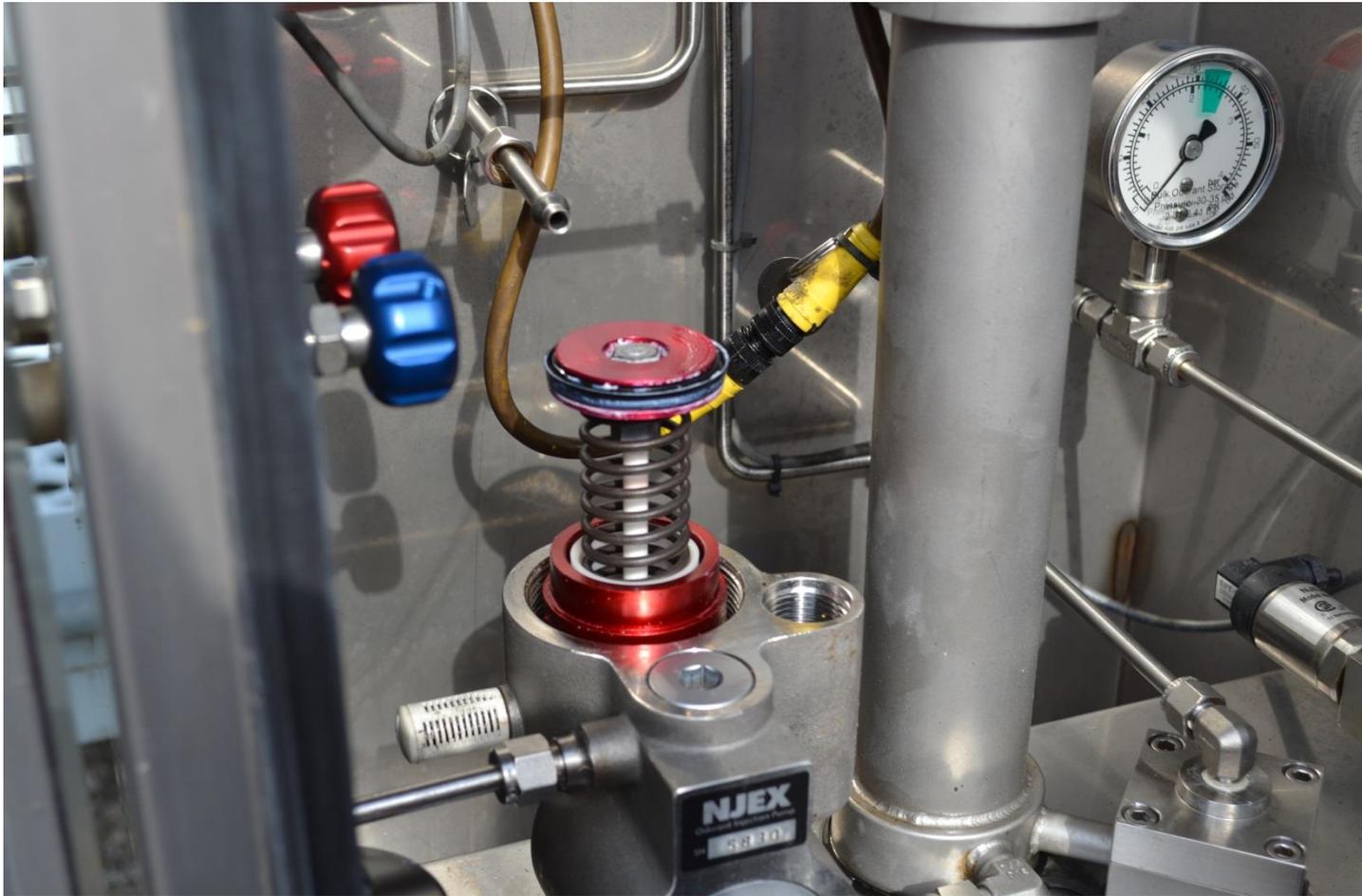


Remove Actuation Cylinder





View with Actuation Cylinder Removed



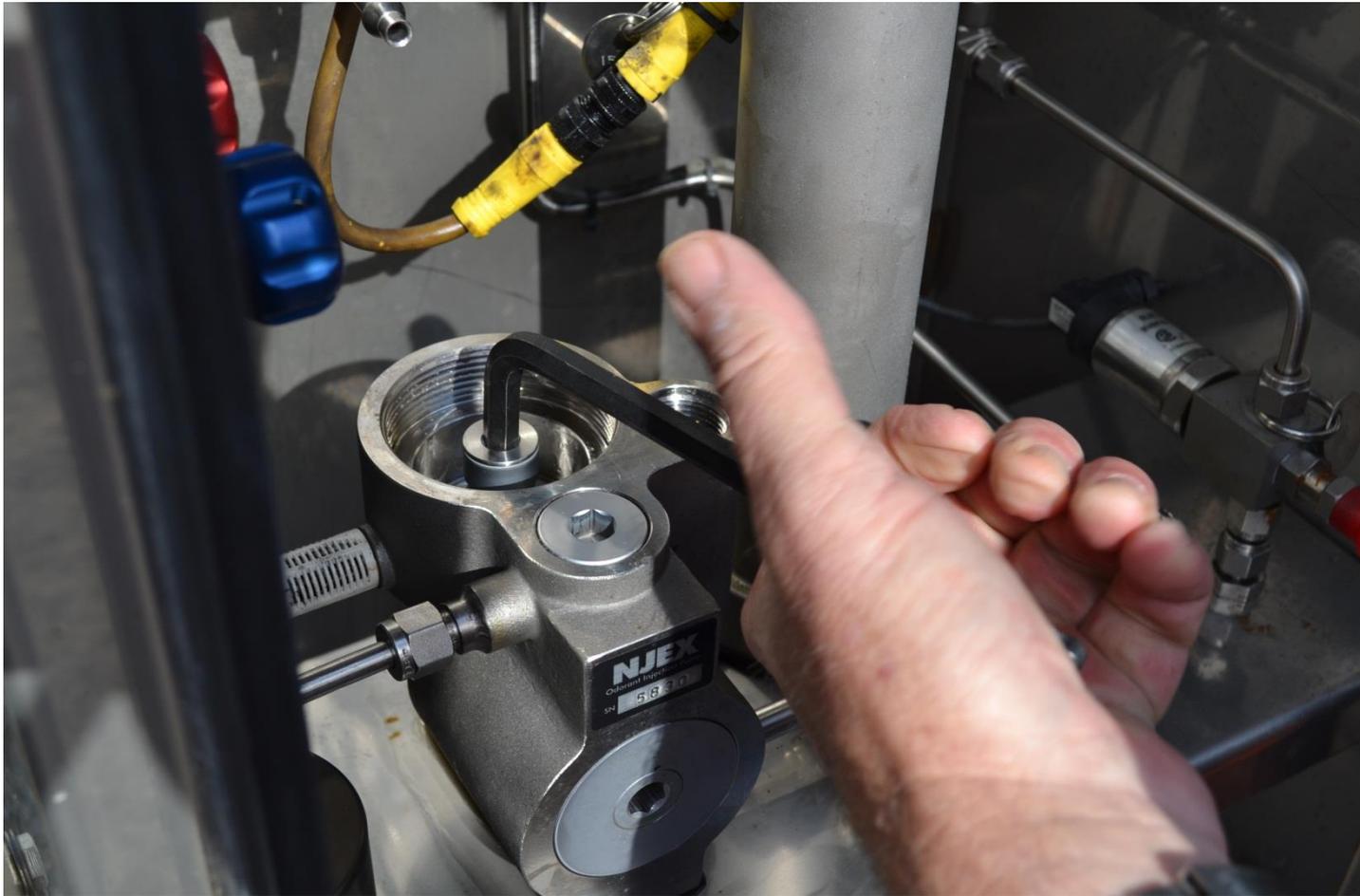


Remove Piston Assy., Spring, Stroke Spacer, and Dampener





Loosen Cartridge Nut





Remove Seal Cartridge Assy. (3/4" Deep Socket)





Pump With Cartridge and Oil Removed





Spray Parts as Removed with Masking Agent





Clean Cabinet with Masking Agent as Required





Loosen Discharge Check Assy.





V2, V3, & V5 MUST be Open BEFORE Proceeding, and Use Precaution When Removing Parts as a Small Amount of Odorant may Remain.





Remove Discharge Check Valve





Loosen Diaphragm Cartridge





Remove Cartridge





CLEAN





Clean Pump Body





CLEAN



CLEAN





CLEAN



CLEAN

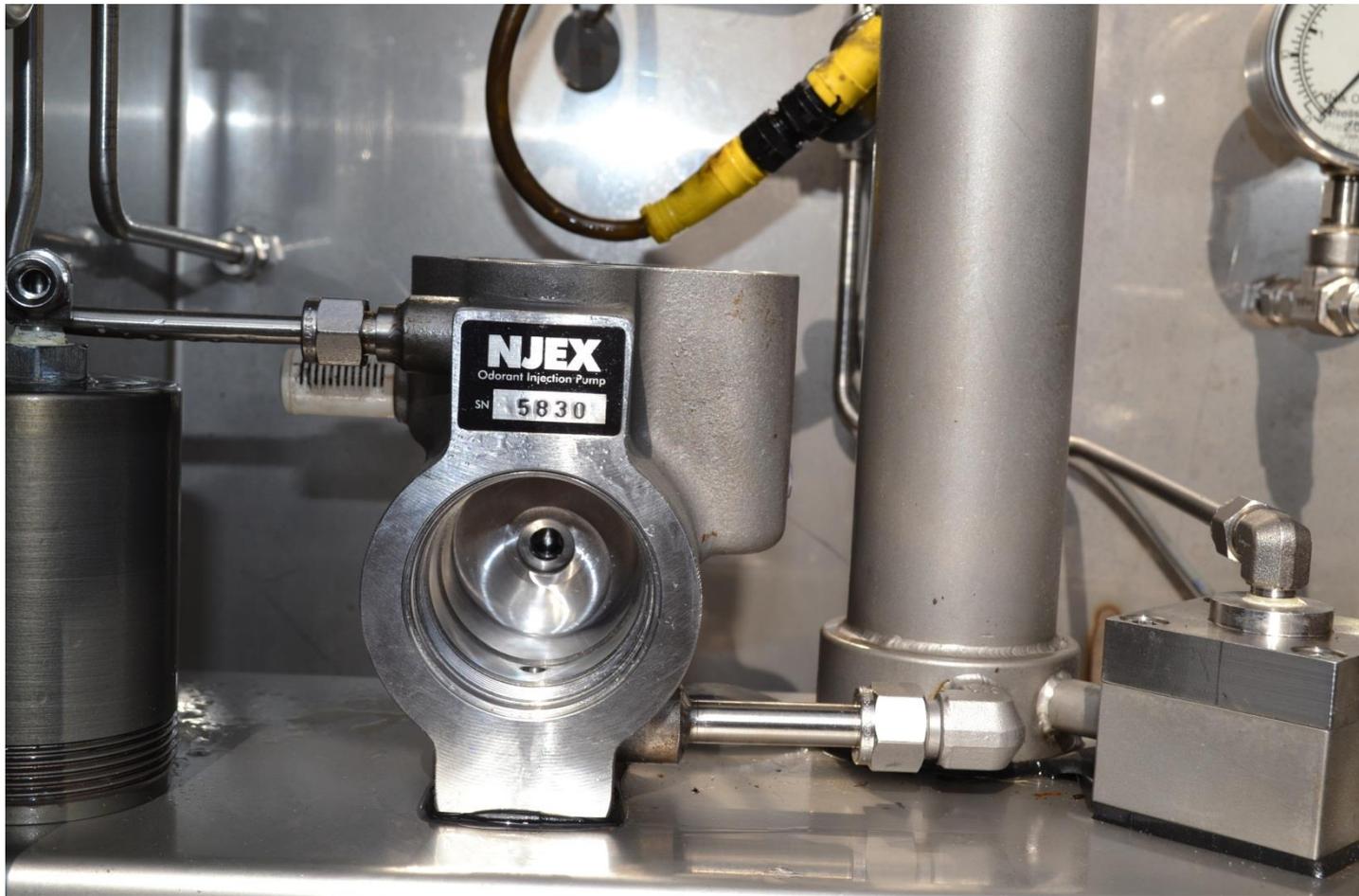


CLEAN





NOW it is Clean





Loosen Inlet Check Valve Assy.





Clean





Organize Work Area

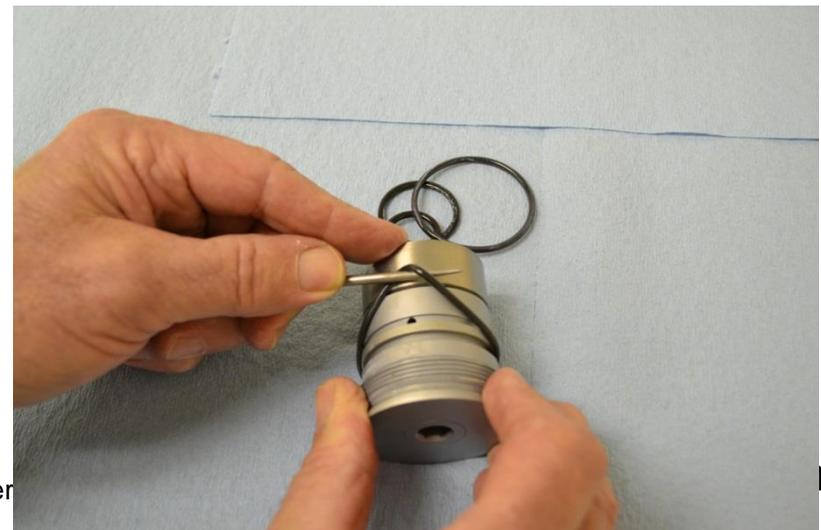
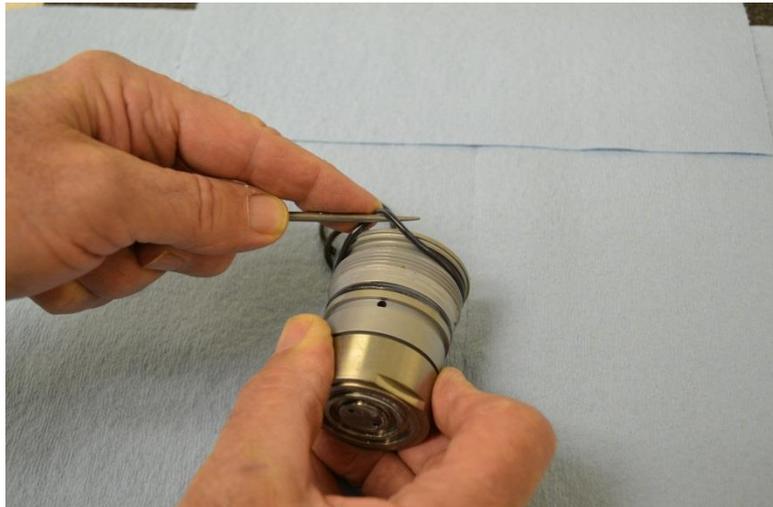
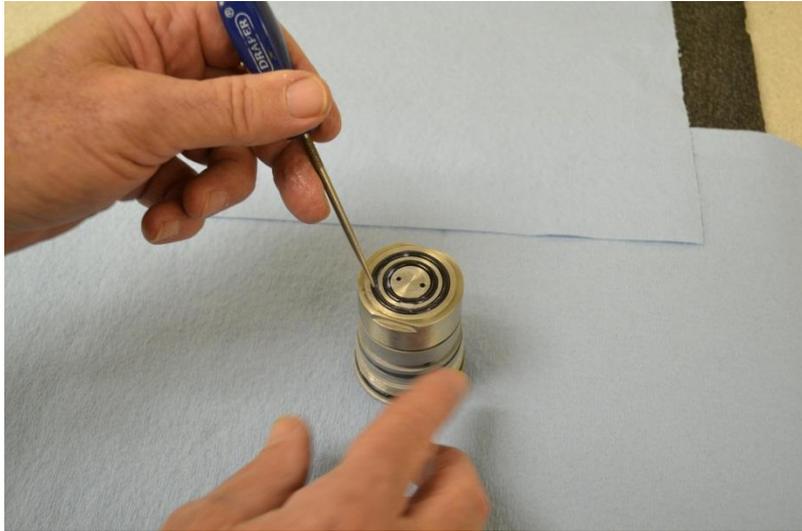




Use Clean Air Tight Contained for Waste



Using O-Ring Pick Remove all O-Rings One Cartridge at a Time





Using O-Ring Pick Remove all O-Rings from Each Cartridge





Remove Diaphragm





Dis-Assemble Discharge Check







Use Provided Bolt from Kit...Remove Sleeve





Remove 2nd C.V. Wafer





Note Orientation of Wafer in Inlet Check



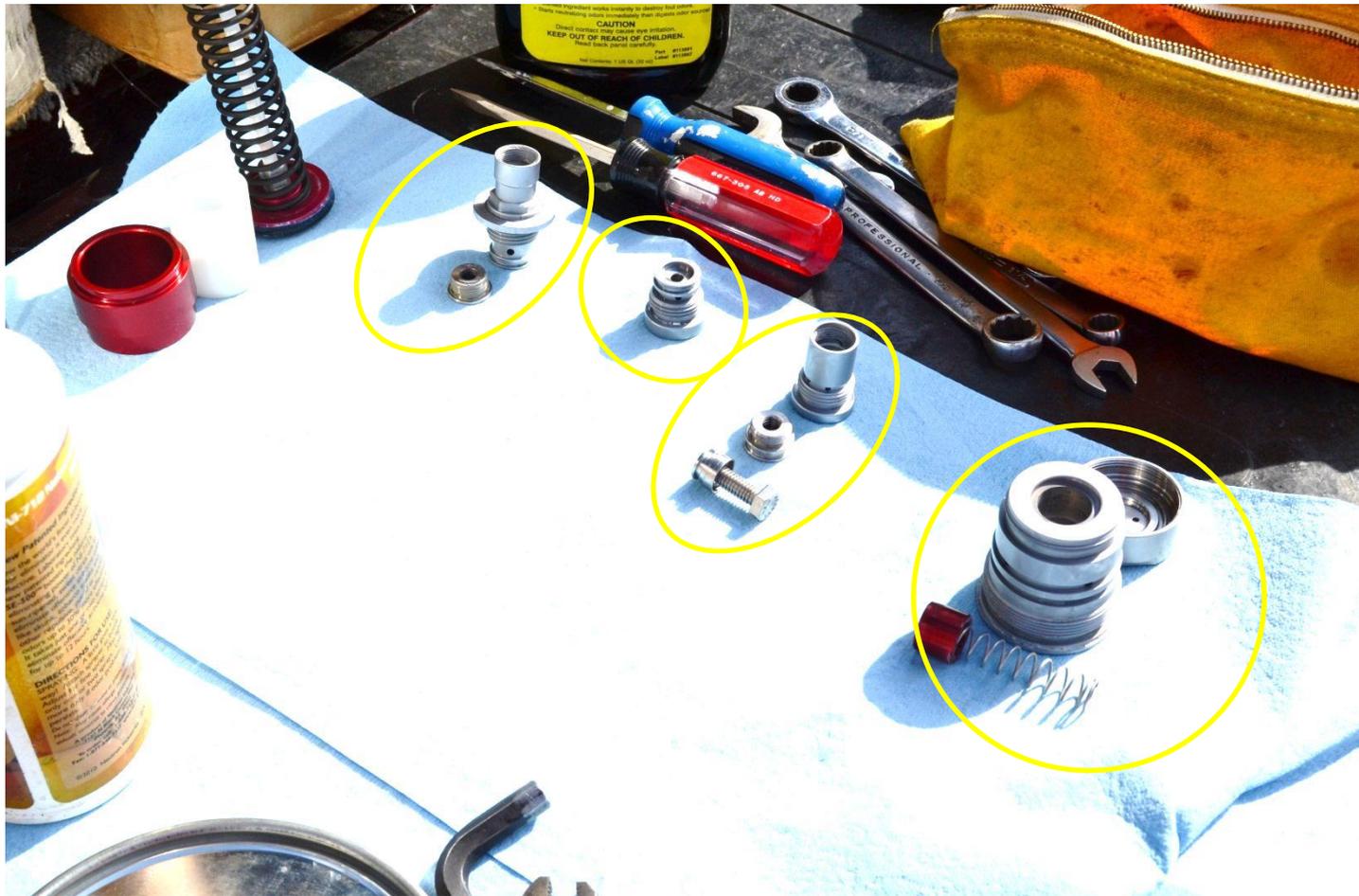


Remove Seals and Guide Bushing from Cartridge Body





Layout Each Cartridge Ready For Re-Assembly





Discard All Replaced Parts





Use D3-0131 Kit





Recommended Assembly Lubricant





Dow 55 O-Ring Lube for O-Ring Retention When Needed



Layout Kit Drawing





Kit Components Sorted With Cartridges





Squeeze out Small Amounts of Each Lubricant





Install O-Rings





Assure Holes in Middle Groove are NOT Covered





Install O-Rings in Diaphragm Cap





Install Diaphragm with Cupped Side Facing Up



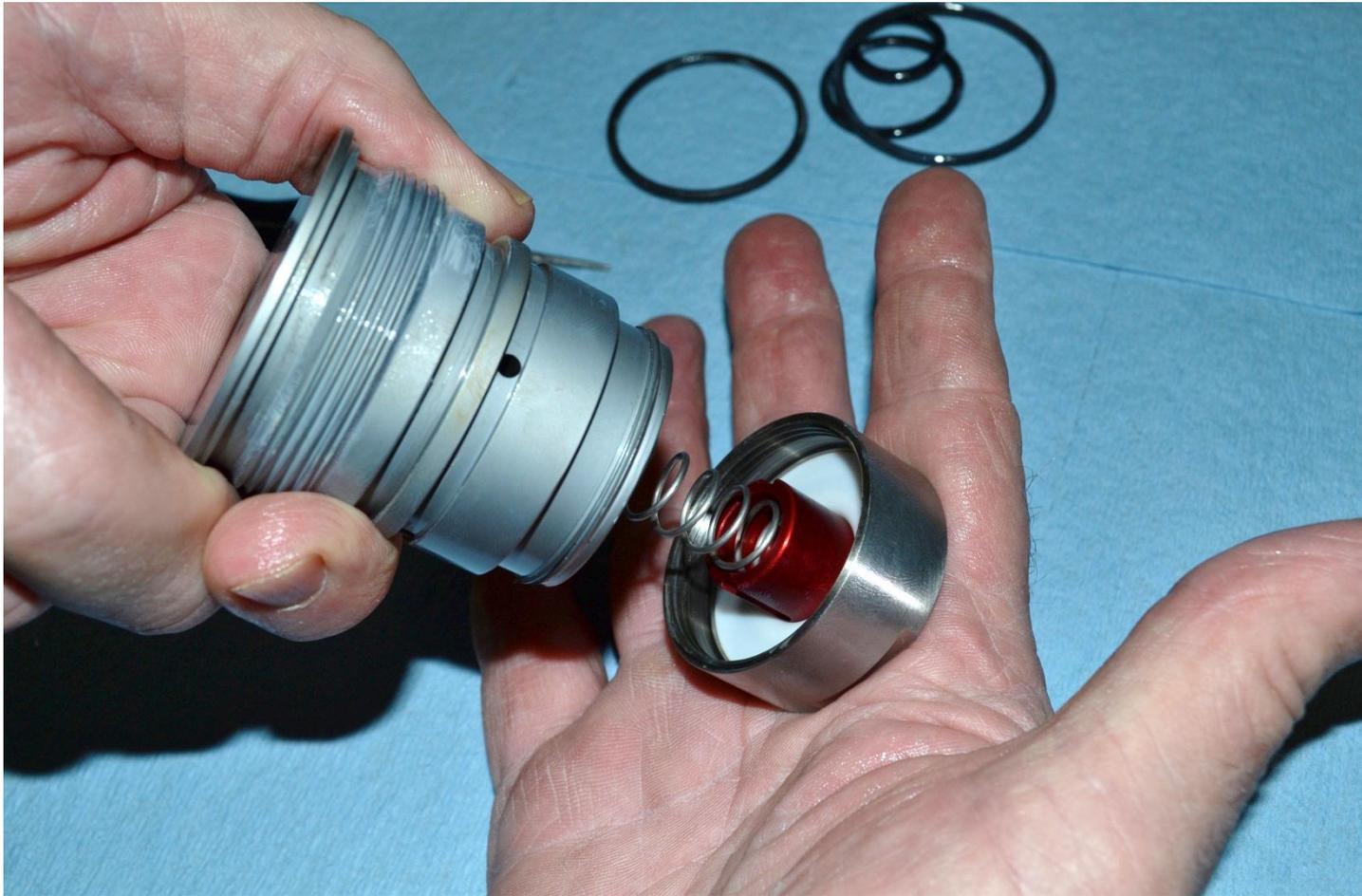


Install Spring & Piston in Diaphragm Cap



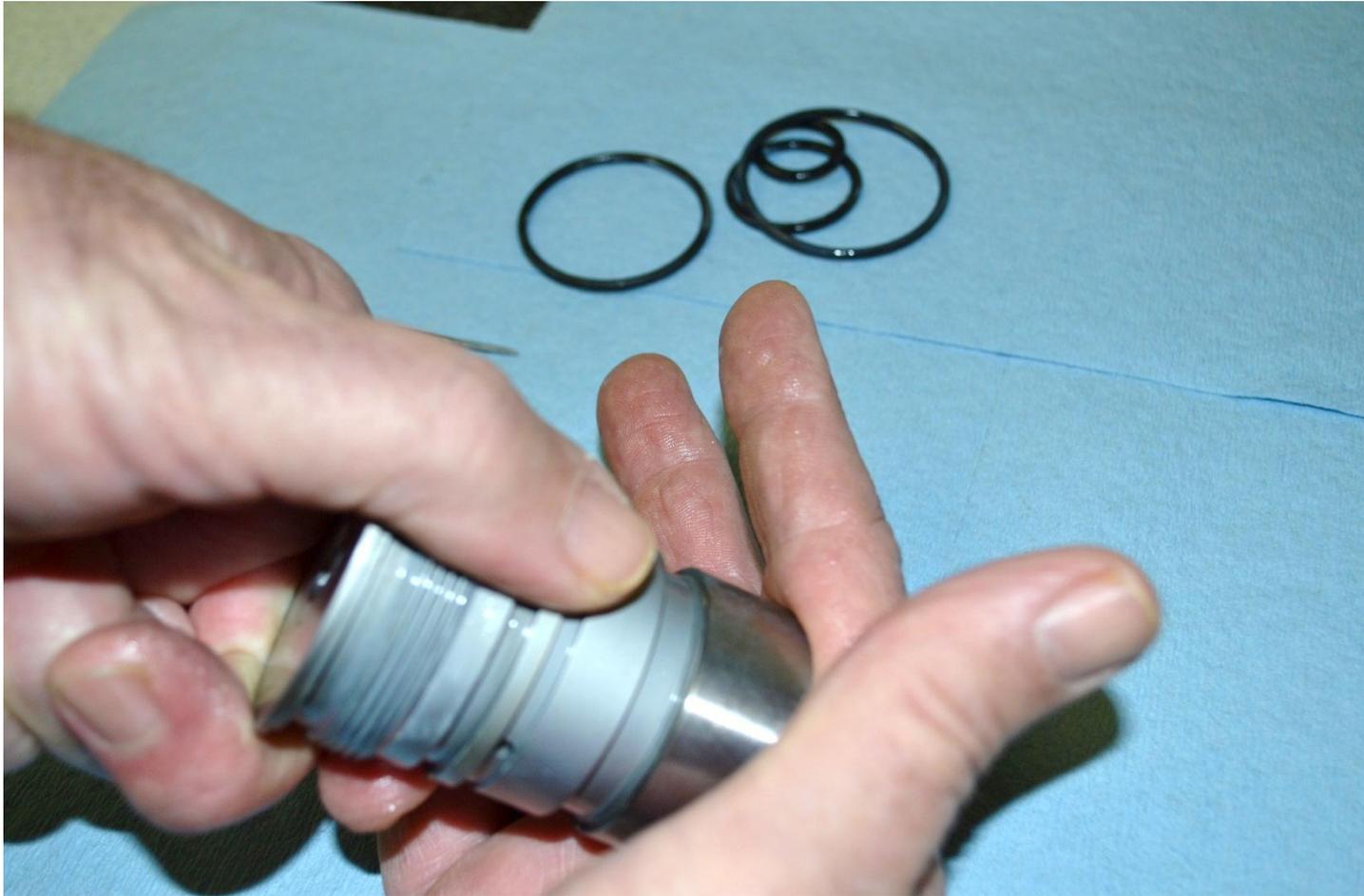


Insert in Cartridge





Screw Cap On





Tighten Cap Until it Clicks (It Will Continue To Turn, and Does NOT Bottom Out)





Install O-Rings Using Dow-55 Lube to Retain O-Rings in Grooves





Discharge Check-Install 1st Wafer (Rubber Side Facing You)





Install Sleeve with O-Ring





Press (Snap) Sleeve all the Way
Down Using the Bolt From Kit





Install 2nd Check Wafer (Rubber Side Facing You)





Install Seal Nut With O-Ring





Tighten Using TWO Allen Wrenches and Install O-Ring and Back Up Ring





Install O-Rings, Back Up Ring, and Check Wafer on Inlet Check Cartridge



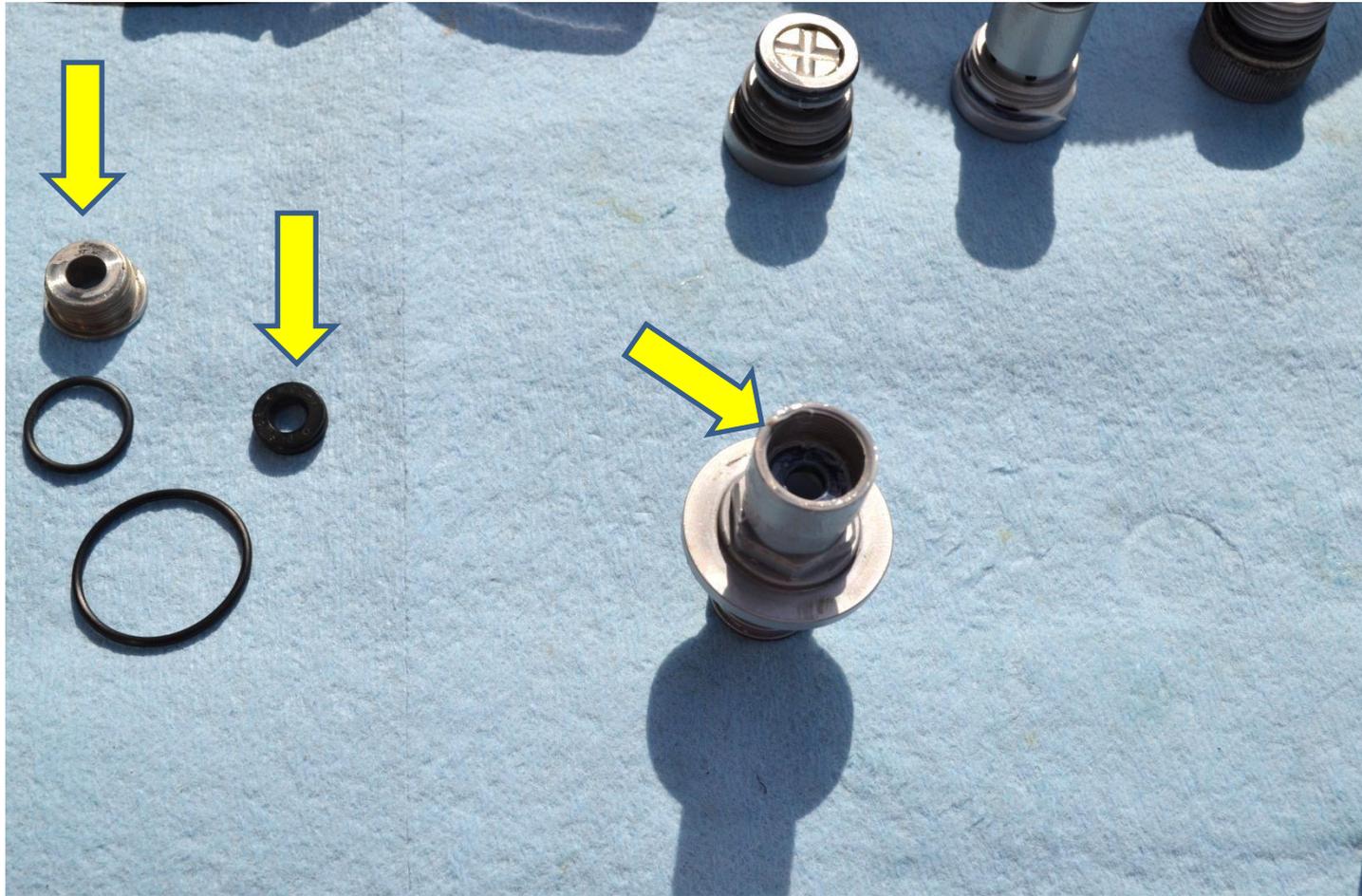


Install Plunger Guide Bushing





Install Plunger Top Seal and Cartridge Nut





Install Lower Plunger Seal





Install Body O-ring Using Dow-55 O-Ring Lube





Install Piston Seal on Actuation Piston Assembly With Seal Lip Facing Up











Lubricate The Seal Assembly Lube





Install The Previously Assembled Diaphragm Cartridge





Cartridge Should be Flush With The Face of the Pump





Install The Previously Assembled Inlet Check Assembly into the Bottom of The Pump









Install the Previously Assembled Discharge Check Assembly in The Top of the Pump





Tighten Check Cartridges Using a 3/8" Allen Wrench





Install the Previously Assembled Plunger Cartridge Into The Pump





Tighten The Cartridge Using a $\frac{3}{4}$ " Deep Socket



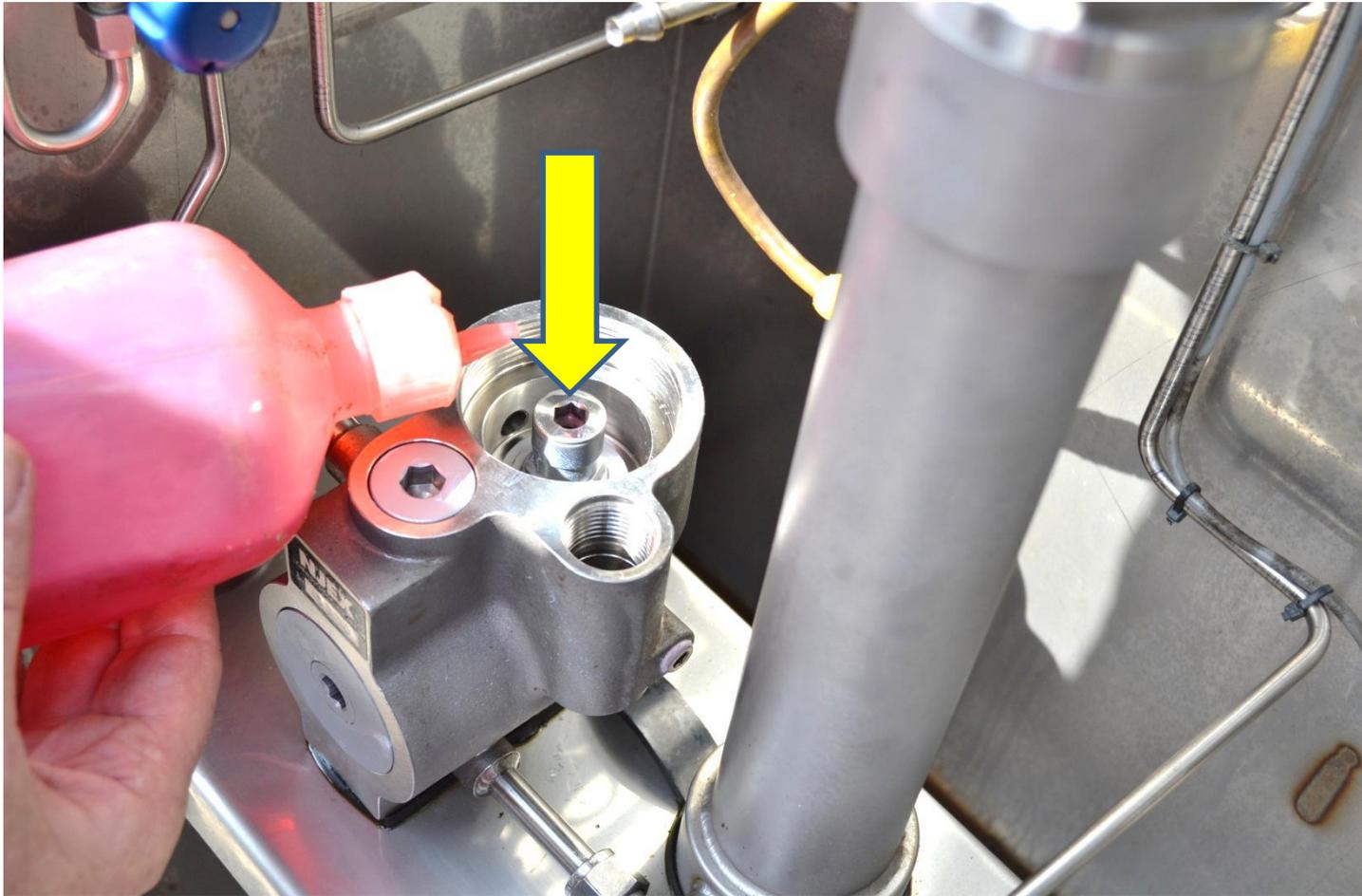


Tighten The Seal Cartridge Nut



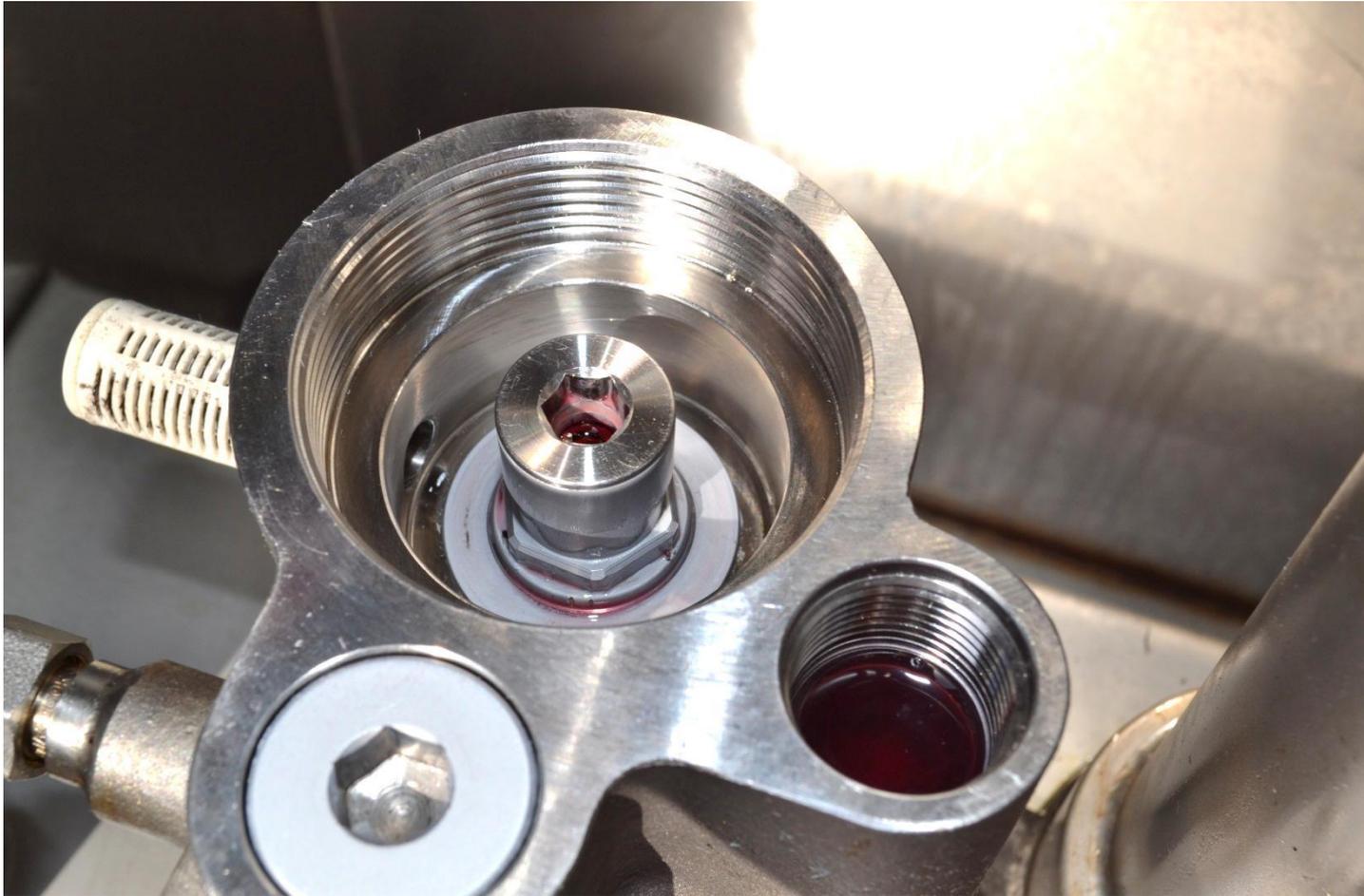


Add NJEX Pump Oil As Indicated





Do Not Overfill
(Approximately $\frac{1}{4}$ " below Bottom
Thread)

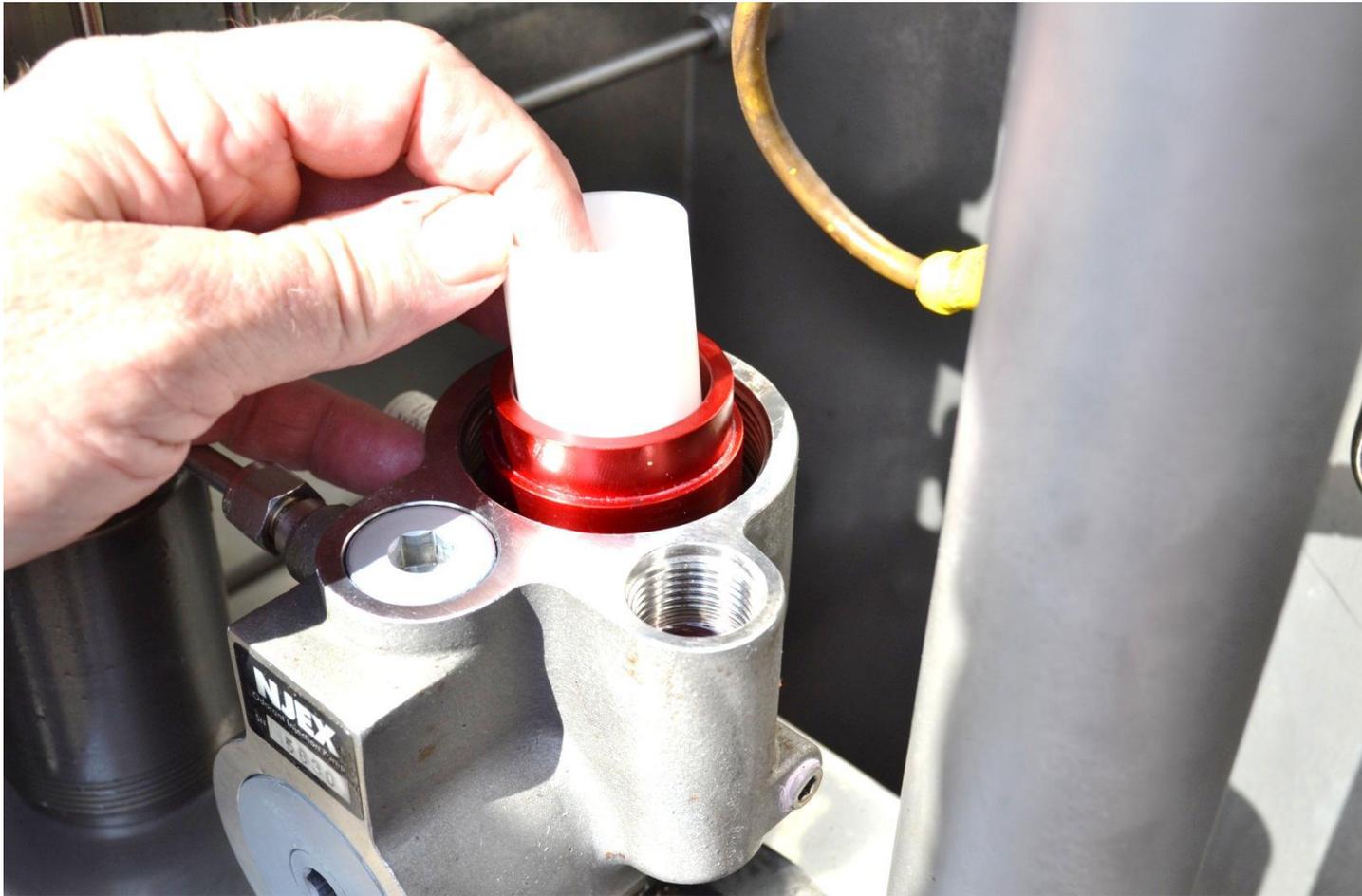




Install Stroke Spacer (100% Spacer Shown)



Install Dampener





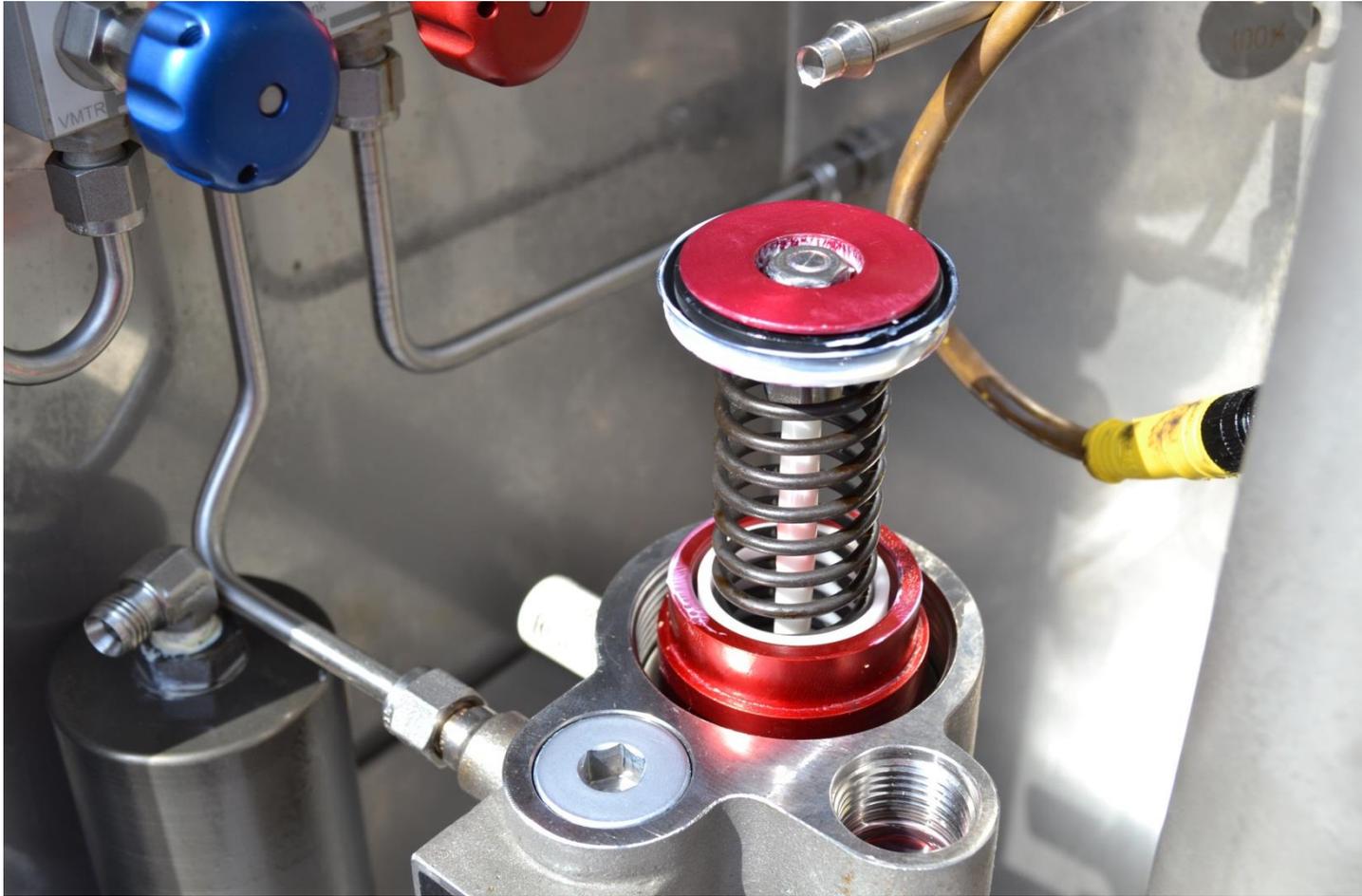
Install Actuation Spring





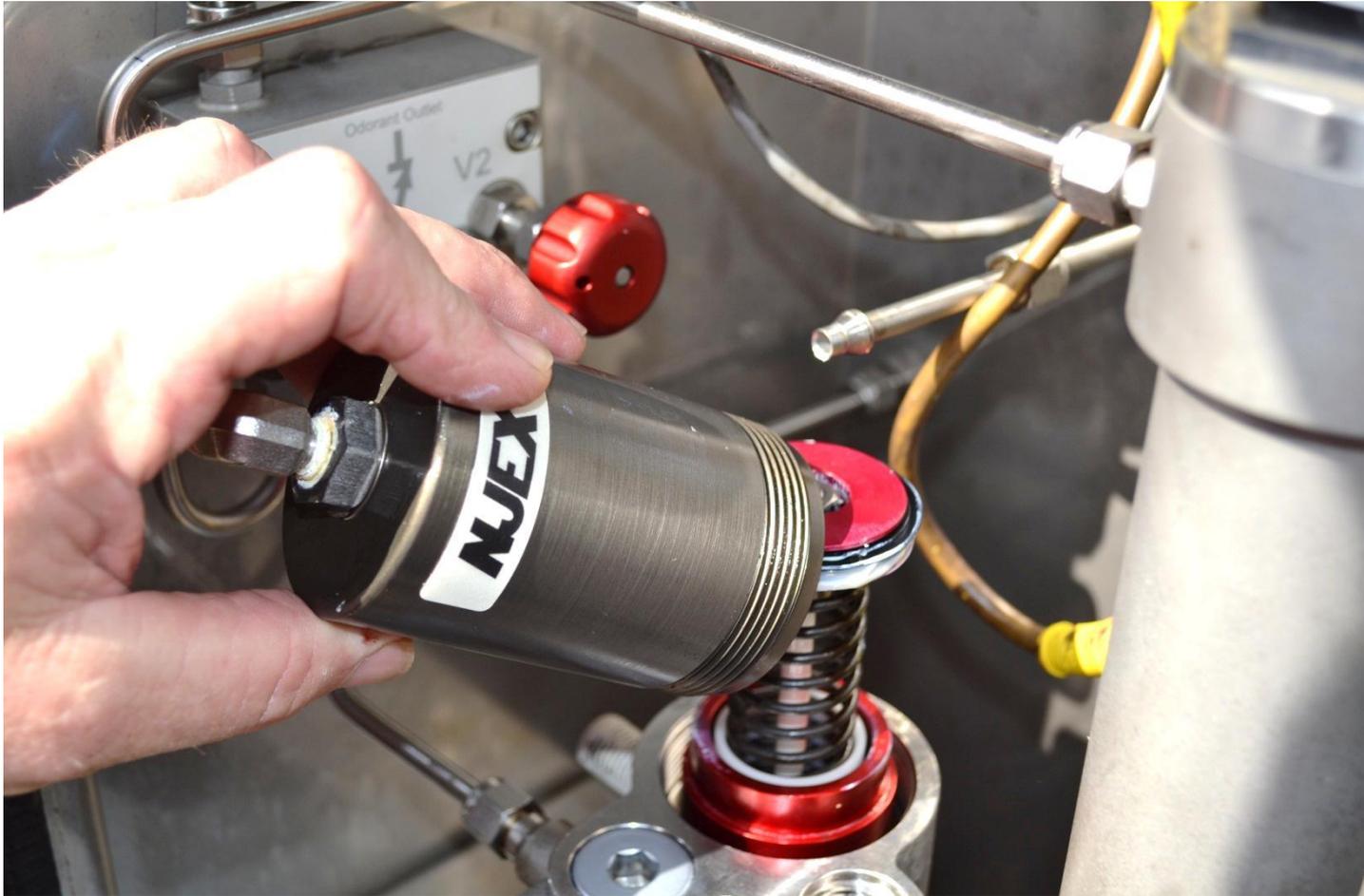
Install Actuation Piston Assembly





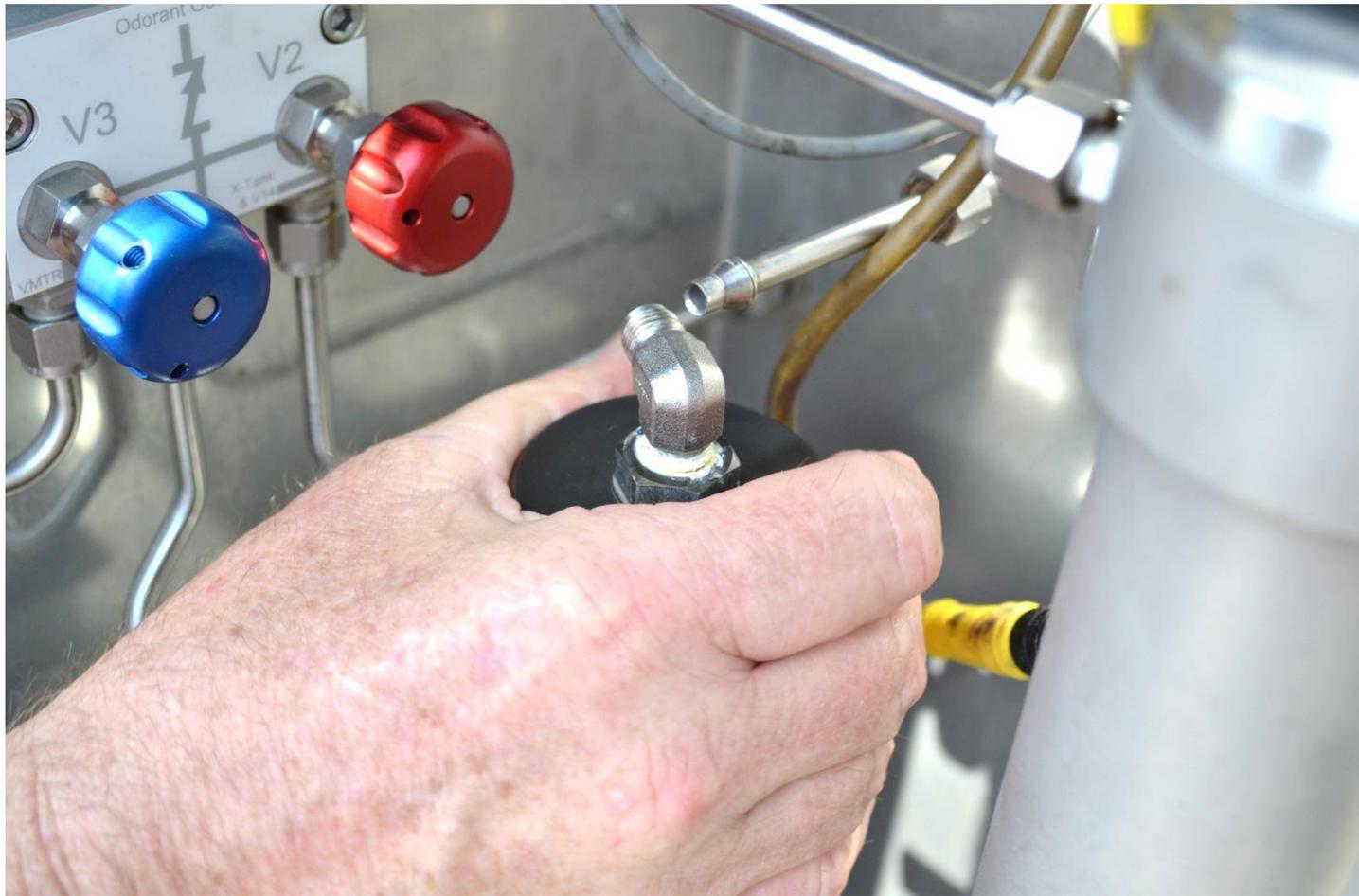


Install The Actuation Housing by Placing Over The Plunger Piston at a 45° Angle





Screw The Actuator Housing onto The Pump by Hand





Reinstall Tubing





Connect & Tighten The Actuation Tubing



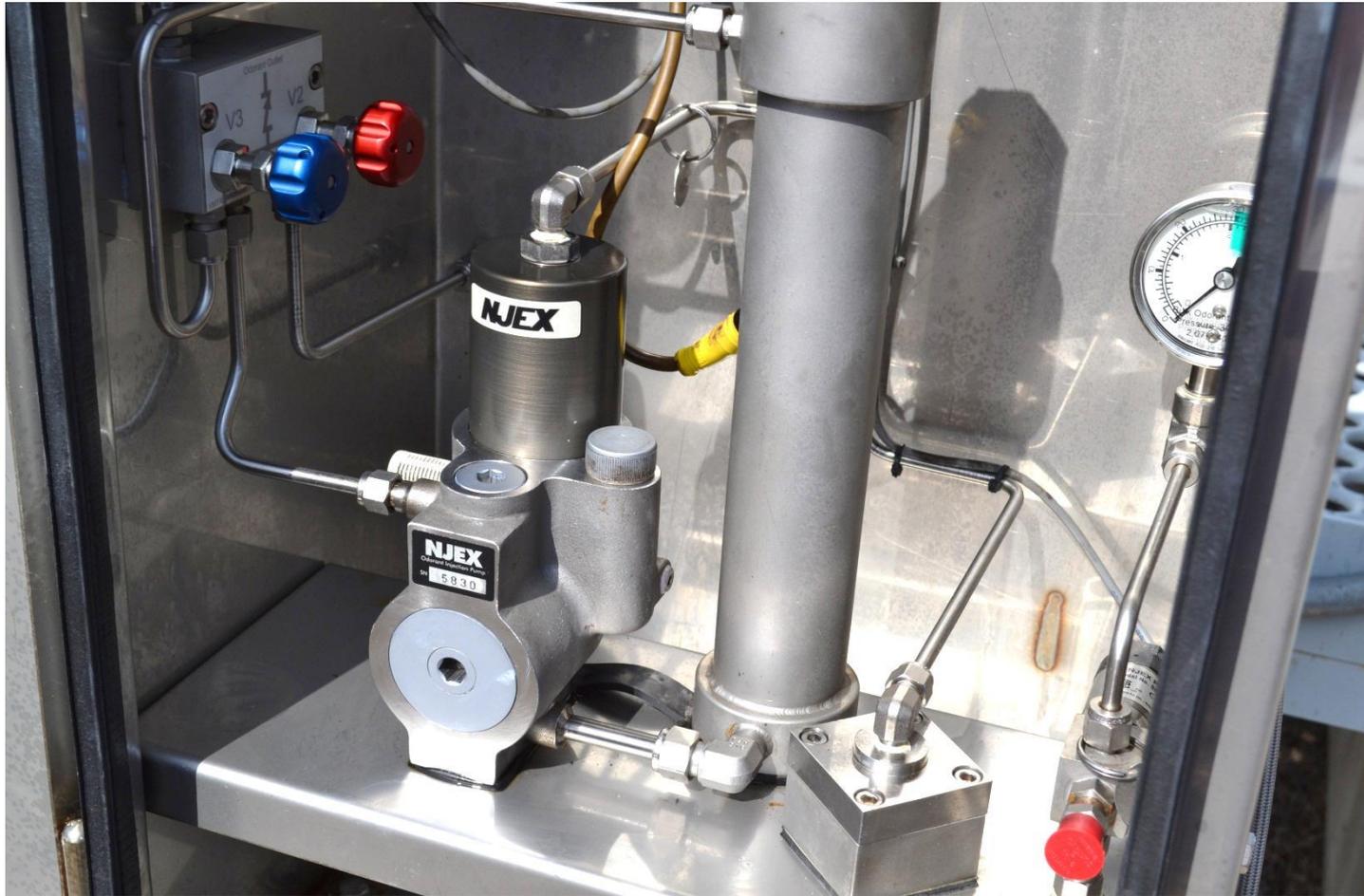


Replace The Oil Reservoir Cap





Pump Assembly Complete





Restart The NJEX System

- Close V-2, V-3 & V-5
- Open V-4 Until Expansion Tank Pressure Reaches 25 psi.
- Open Odorant Supply Valve V15 or V17 as Equipped.
- Fill Verometer on Meter Level Window
- Prime Pump (V3)
- Open V6 & V8
- Start The System
- Call 1-800-653-9435 if you need assistance.