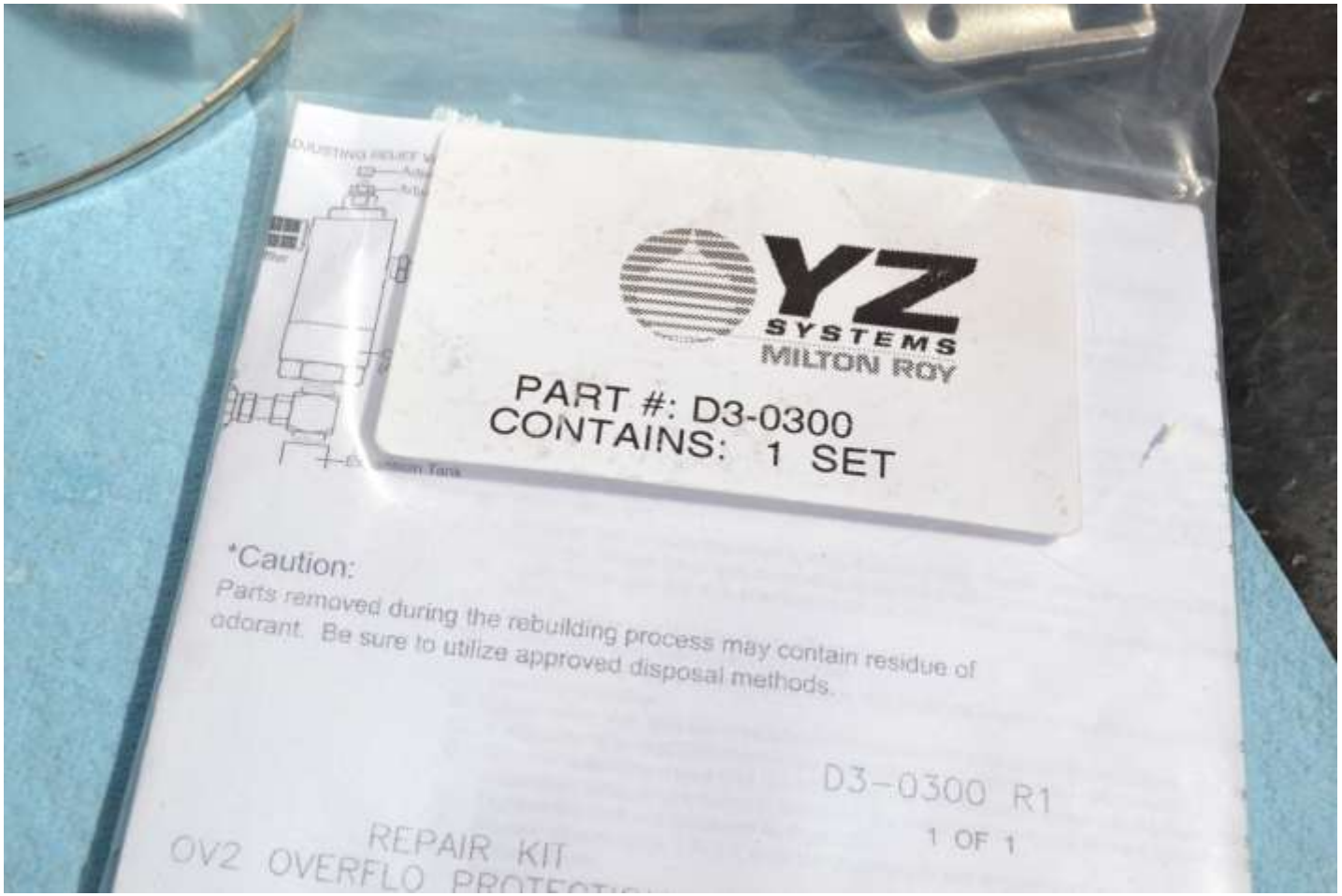
Overflow Protector / Low-Pressure Relief Maintenance

Use Repair Kit P/N D3-0300



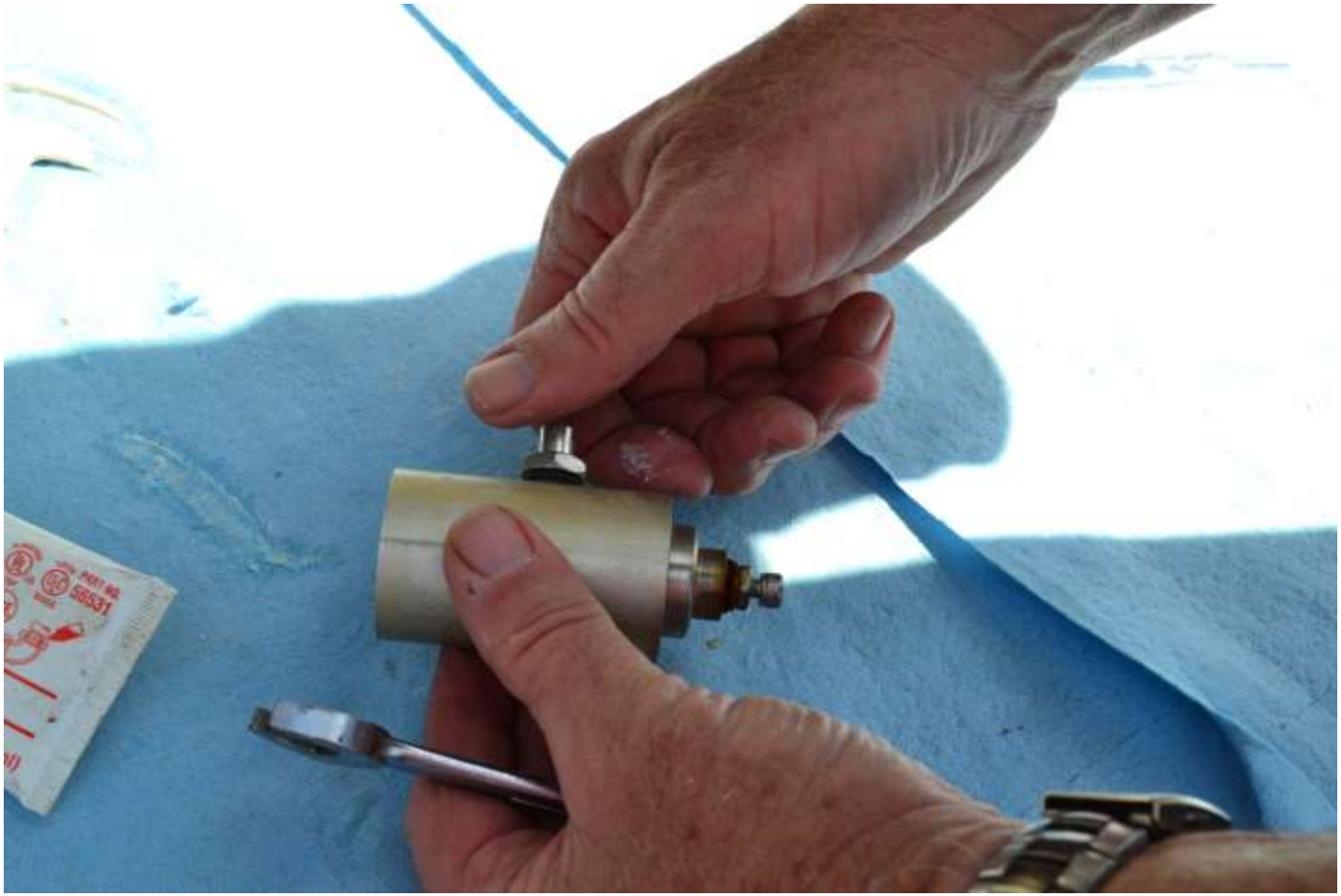
Close V6

Remove Vent Hose To The Scrubber

Remove Top Section of Assembly

Remove Top O-Ring

Remove Manual Test Button



Remove Low Pressure Adjustment Assembly

All Loose Parts from Previous Steps

Additional Disassembly Shown Here

Remove Internal O-Ring

Clean Body & Other Reused Parts

Cleaning

Dispose of Old Soft Goods

Insert Spring in Side Port

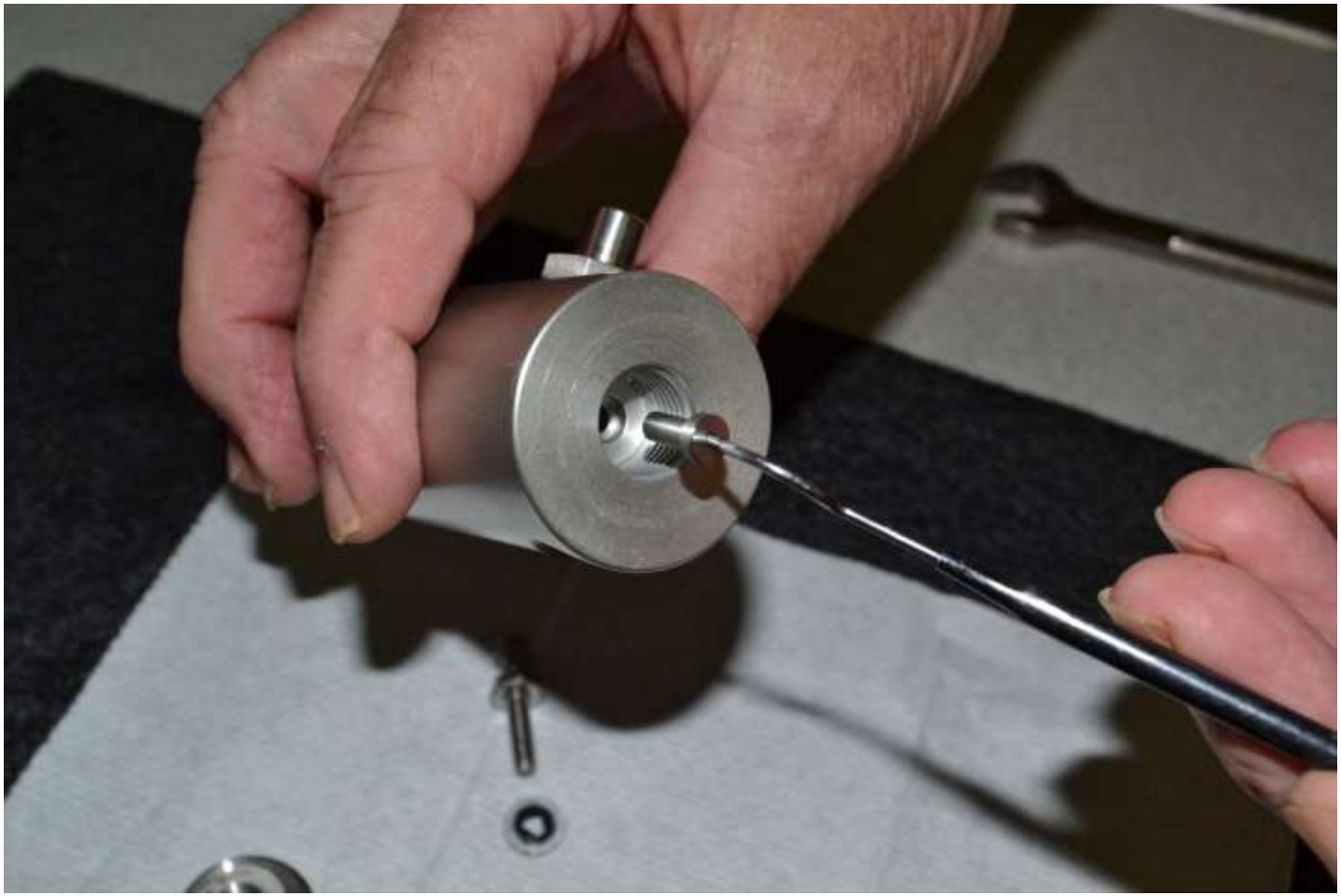
Install Spring Cap

YZ SYSTEMS

Install Manual Test Button Assy.

Tighten Test Assy.

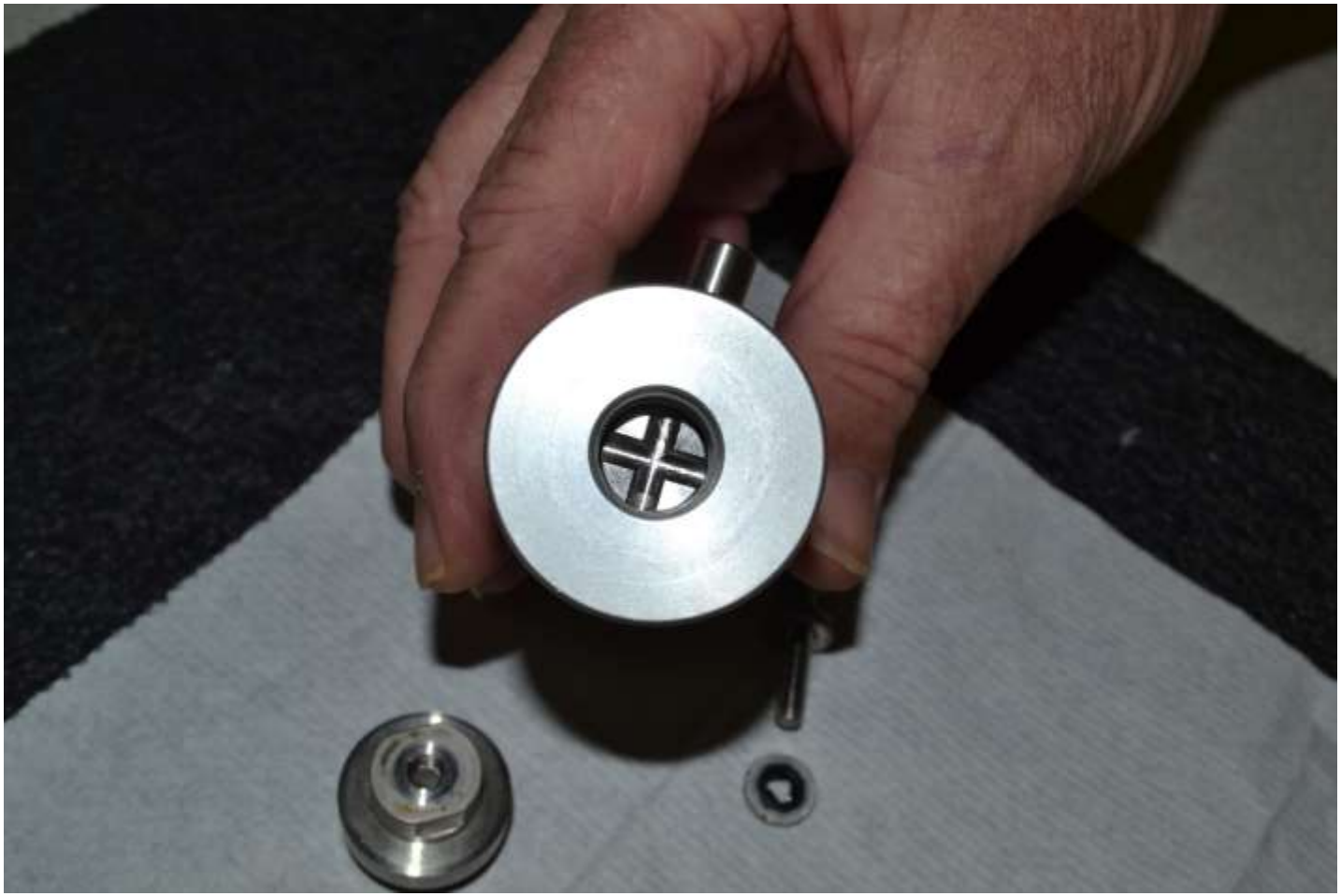
Install Lift Button



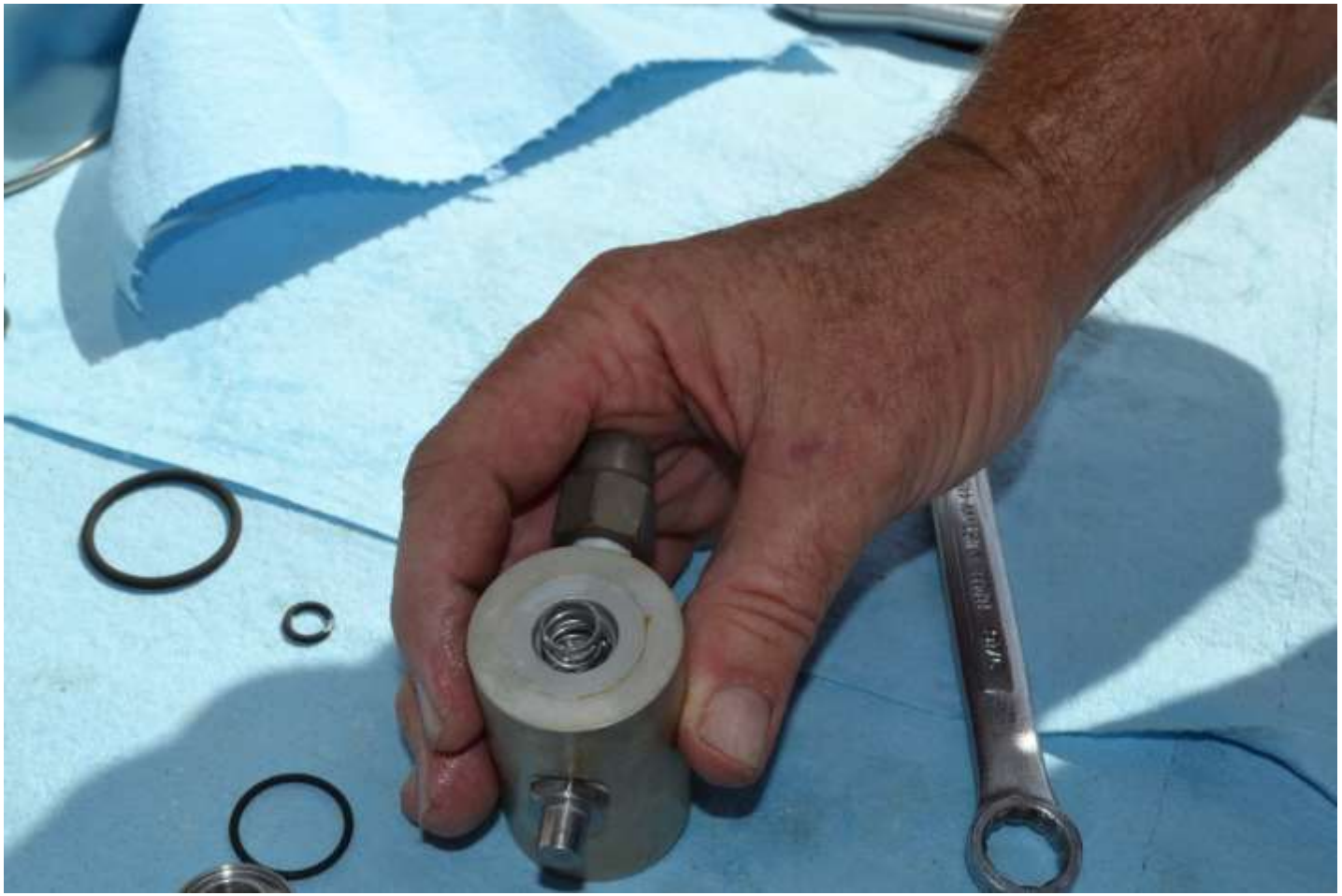
Button Installed

Install Valve Seat Wafer (Rubber Side Down)

Valve Seat Installed



Install Spring



Install Spring Cap

Install New Thread Seal Washer on Adjusting Screw

Pre-Adjust Lock Nut (4 Threads Left Above The Lock Nut)

Install Screw Assembly in Top Works

Install Top Works Assembly

Screw Down Adjustment
Screw to Lock Nut

Install New Internal O-Ring

Install Assembly Over Base With Dart In Place

Reconnect Scrubber Hose

Open V6

Low Pressure Relief Adjustment

The overflow protector incorporates a low pressure relief in the cap assembly for the purpose of maintaining the maximum expansion tank pressure at 25 psi *(1.72 Bar)*.

To test and adjust follow these steps:

1. With valve **V6** open, *figure 196*, slowly open valve **V4**, *figure 195*, until gas begins discharging at exhaust port.

2. Close valve **V4** and see where pressure stabilizes which should be 25 psi *(1.72 Bar)*.

3. If adjustment is needed:

   a) First, loosen adjustment lock nut, located on top of the overflow protector. To increase pressure in the tank, turn the adjustment screw in, or to the right. To lower pressure tank, turn the adjustment screw out, or to the left.

   b) Tighten lock nut.

   c) Repeat until the desired pressure of 25 psi *(1.72 Bar)* is obtained as described in in step 2 above.

Figure 195