

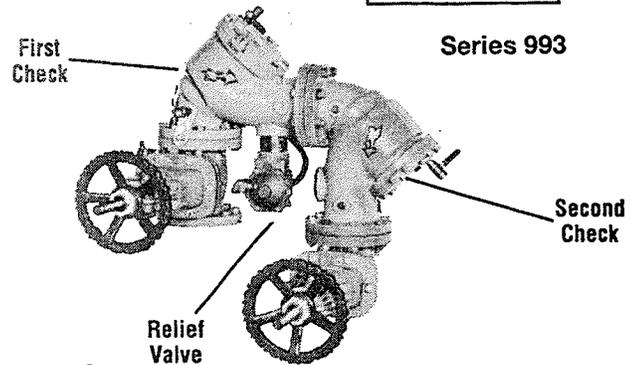
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Servicing First and Second Checks

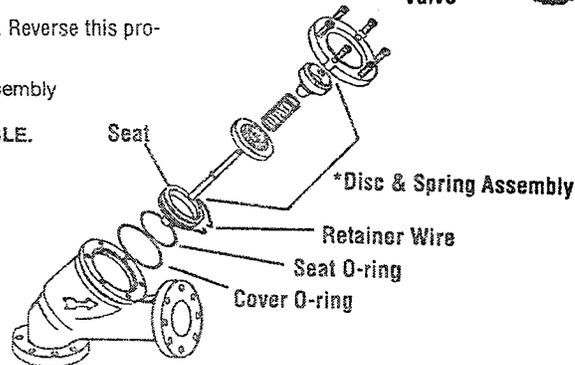
1. Remove the hatch cover bolts. **NOTE:** The 993 is designed so that when the bolts are backed off $\frac{1}{2}$ " , all the spring load is released from the cover and retained by the check module. **CAUTION:** Be sure to verify this before removing all the bolts.
2. Lift the check valve module straight out taking care not to hit and damage the seating.
3. The seat ring may be removed and replaced by pulling out the two wire retainers. The wire retainers are 10" long. One is drawn out clockwise and the other is drawn out counterclockwise.
4. With the retainer wires removed, the seat ring can be lifted straight up and removed.
5. **CAUTION:** The Check valve spring is in compression. The spring load is captured by the two spring retainers and the stem. The spring retainers are not to be removed for servicing. If there is a need to replace the spring, spring retainer or stem, an assembled module must be obtained from the factory. These modules are not interchangeable, be sure to replace the first check with a first check module and the second check with a second check module.
6. To replace the disc, simply remove the retaining nut. Reverse this procedure to install the new disc.

First and second checks are not interchangeable

NOTE:
No special tools required to service Series 993



***WARNING:** Spring assembly is factory assembled. DO NOT DISASSEMBLE.



Servicing the Relief Valve

To Service the Relief Valve:

1. Remove sensing hose. Check for debris.
2. Remove cover.
3. Remove diaphragm and stem assembly. Check seat disc for debris and diaphragm for cuts or tears. Repair or replace as necessary.
4. Lubricate only sealing O-rings with Dow Corning FS 1292. **Do not** lubricate seat disc or diaphragm.
5. Reassemble and test.

