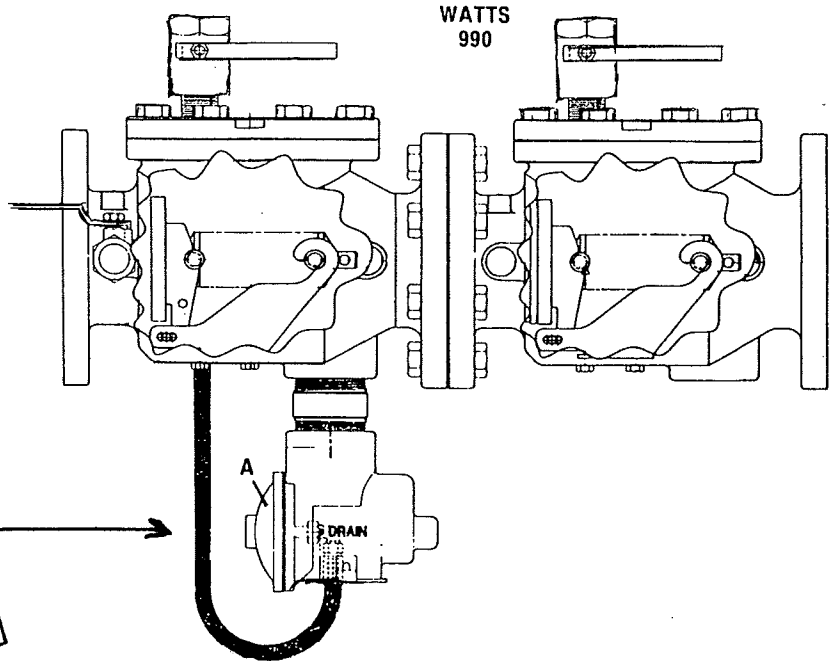
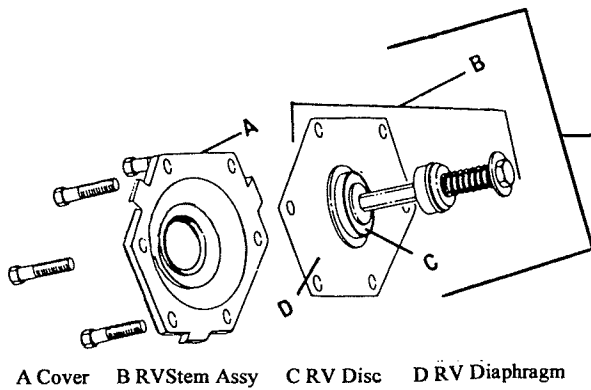


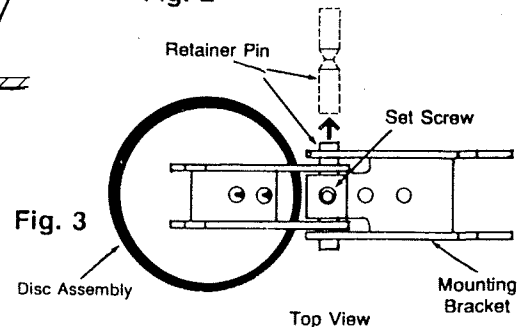
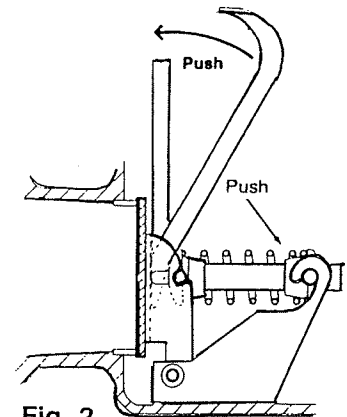
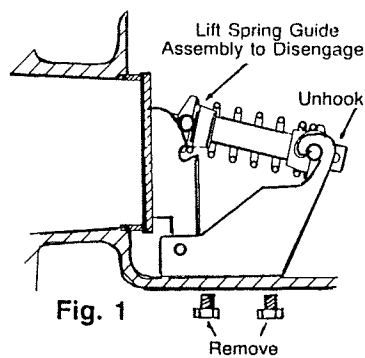
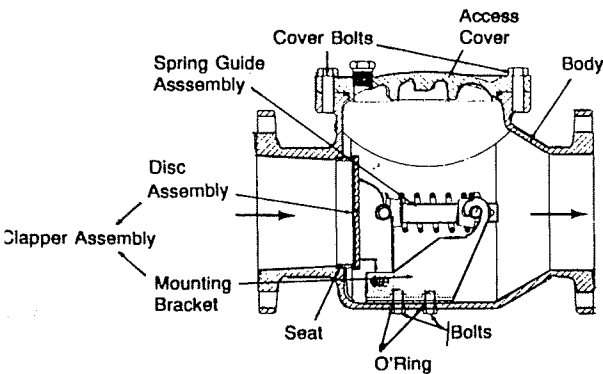
Series 990 - 992

To Service the Relief Valve:

1. Remove sensing hose. Check for debris.
2. Remove cover (A).
3. Remove diaphragm and stem assembly (B). Check seat disc (C) for debris and diaphragm (D) 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.



CHECK VALVES



Spring Guide Assembly Removal Instructions

1. Remove the access cover.
2. The 990 features a captured spring in a center stem guided assembly. The spring guide assembly must be removed to clean the seat disc. To remove the spring assembly from the mounting bracket remove the two bolts on the bottom of the body opposite the access cover. This will allow the spring module to be removed from the notches on the mounting bracket. (Fig. 1) As with any spring loaded mechanism, keep fingers away from pinch points. The spring guide assembly has a heavy spring pre-load and could cause injury. It is not necessary to disassemble the spring guide assembly.

To Replace

1. Bolt the mounting bracket back in place after lubricating the bolt O'Rings.
2. Position the back of the spring guide into the rear hook of the mounting bracket.
3. Apply leverage between the spring guide assembly and the disc assembly as shown in Fig. 2. Compress spring assembly slightly and push down to position the spring assembly in the front notches.

Disc Assembly Removal Instructions

1. Remove the access cover.
2. Unfasten the two bolts on the bottom of the body opposite the access cover.
3. Remove the spring guide assembly.
4. Reach in through the access opening and remove the entire clapper assembly, opening the clapper assembly and laying it flat on a table. (Refer to Fig. 3)
5. With an allen wrench, remove the set-screw which secures the spacer to the retainer pin on the clapper assembly.
6. Slide out the retainer pin to separate the disc assembly from the mounting bracket. **Important:** Each check repair kit fits (1) one check module.