

**!!!WARNING!!!**

READ AND UNDERSTAND ALL INSTRUCTIONS INCLUDED WITH THIS REPAIR KIT  
RELIEVE ALL PRESSURE FROM SYSTEM BEFORE REMOVING VALVE FOR SERVICE

**NOTE:** Numbers in brackets [ ] refer to the number in the valve component list. Numbers in parenthesis ( ) refer to quantities of the valve component.



**WARNING:** These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

### A. Disassembly

- 1. EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.**
- Remove (2) Mounting Screws [2], Cover Plate [3] from Body [1]. Discard Mounting Screws and Cover Plate. If Packing Washers are present remove and discard.
- Remove Packing Gland Assembly [4] and discard.
- Remove Nut [12] from Stem [5] and discard.
- Remove Valve Holder Assembly [11] from Stem [5] and discard.
- Remove Excess Flow Spring [10] from Stem [5] and either:
  - Discard if you have purchased a new Excess Flow Spring; or
  - Retain if you did not purchase a new Excess Flow Spring.
- Remove Upper Stem Washer [9] from Stem [5] and discard.
- Remove Stem [5], Lower Stem Washer [6], Valve Spring [7], and Stem Guide [5] from Body [1] and discard.
- Inspect Valve Body [1] and clean if necessary, be sure interior is free of dirt, residue and foreign particles.

### B. Reassembly

1. Install Lower Stem Washer [6], Valve Spring [7], and Stem Guide [8] on Stem [5] and install

- into Body [1] with leg of Stem Guide [8] in pocket of Body [1].
2. Install Upper Stem Washer [9] and Excess Flow Spring [10] on Stem [5].
3. Install Valve Holder Assembly [11] on Stem [5].
4. Apply Loctite #271 to threads of Nut [12] and install on Stem [6] and tighten. Ensure no loctite contacts Valve Holder Assembly [11].
5. Install Gland Assembly [4] into Body [1].
6. Apply Loctite #271 to threaded holes in Body [1]. Install (2) Mounting Screws [2], Cover Plate [3] into Body [1].
7. Connect the valve assembly outlet to a pressure source of at least 150 PSI. Check for leaks at all joints and stem seals using a suitable leak detector solution such as "Marshall Excelsior" leak detector.

**CAUTION: DO NOT USE THE VALVE IF ANY JOINT CONTINUES TO LEAK UNDER PRESSURE.**

### C. Component List

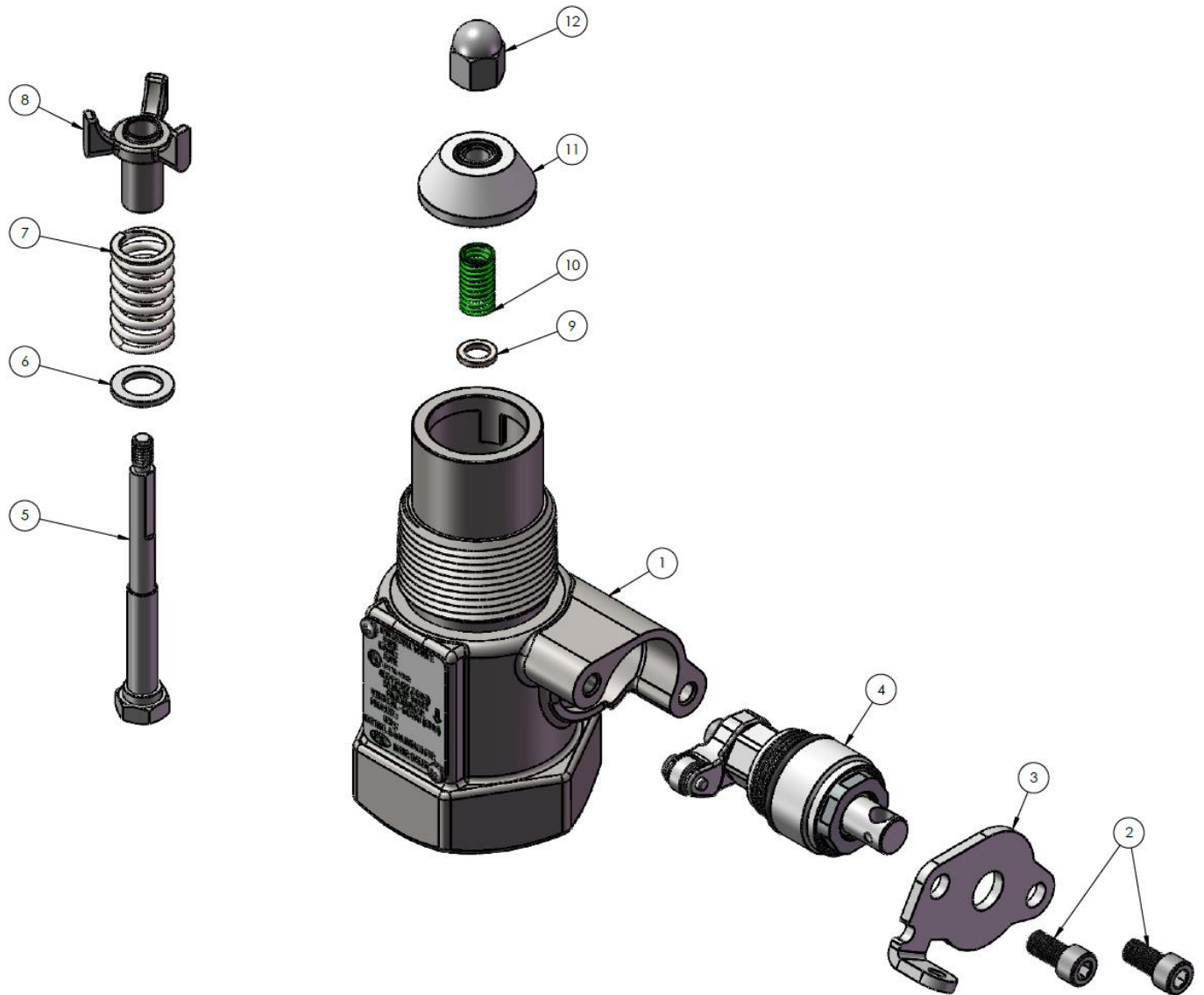
1. Body
2. Mounting Screws; Qty: 2
3. Cover Plate
4. Gland Assembly
5. Stem
6. Lower Stem Washer
7. Valve Spring
8. Stem Guide
9. Upper Stem Washer
10. Excess Flow Spring
11. Valve Holder Assembly
12. Nut

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**ME990-10-VRK**  
**COMPLETE VALVE REPAIR KIT**  
**FOR: ME990-10 1 1/4" INTERNAL VALVE**



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