

!!!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.



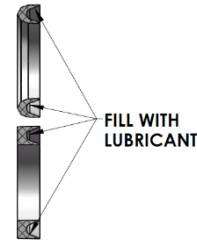
WARNING: These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

A. Disassembly

1. **EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.**
2. Remove (2) Mounting Screws [3], and Cover Plate [4] from Body [1] and retain. If Packing Washers are present remove and discard.
3. Remove Packing Gland Assembly [2] and retain.
4. Remove Gland [2A] from Bonnet Stem [2B] and retain.
5. Remove Packing Spacer [2C], Female V-Packing [2D], (3) V-Packs [2E], and Male V-Packing [2F] from Gland [2A] and discard. Retain Packing Washer [2G] and Packing Spring [2H].
6. Remove O-Ring [2I] from Gland [2A] and discard.
7. Remove Cam Screw [2M], Cam Washer [2L], and Cam Assembly [2K] from Bonnet Stem [2B] and retain.
8. Remove Stem Bushing [2J] from Bonnet Stem [2B] and discard.
9. Remove Nut [6] from Stem [7] and retain.
10. Remove Valve Holder Assembly [5] from Stem [6] and retain.
11. Remove Seal Retainer [5B] from Valve Holder [5A] and retain.
12. Remove Valve Seal [5C] and Excess Flow Seal [5D] from Valve Holder [5A] and discard.
13. Inspect Valve Body [1] and clean if necessary, be sure interior is free of dirt, residue and foreign particles.

B. Reassembly

1. Install Excess Flow Seal [5D] and Valve Seal [5C] in Valve Holder [5A].
2. Apply Loctite #271 to Seal Retainer [5B] and install into Valve Holder [5A].
3. Install Valve Holder Assembly [5] on Stem [7].
4. Apply Loctite #271 to threads of Nut [6] and install on Stem [7] and tighten.
5. Install Stem Bushing [2J] on Bonnet Stem [2B].
6. Apply Loctite #271 to threads of bonnet Stem [2B] and install Cam Assembly [2K], Cam Washer [2L], and Cam Screw [2M] on Bonnet Stem [2B] and tighten. Ensure that the Cam Assembly [2K] is installed as shown in Figure 1.
7. Install O-Ring [2I] on Gland [2A].
8. Fill Female V-packing [2D] and (3) V-Packs [2E] with Lubriplate or equivalent grease as shown.



9. Install Packing Spring [2H], Packing Washer [2G], Male V-Packing [2F], (3) V-Packs [2E], Female V-Packing [2D], and Packing Spacer [2C] in gland [2A].
10. Install Gland [2A] on Bonnet Stem [2B].
11. Install Gland Assembly [2] into Body [1].
12. Apply Loctite #271 to threaded holes in Body [1]. Install (2) Mounting Screws [3] through Cover Plate [4] and (2) into Body [1].
13. 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.

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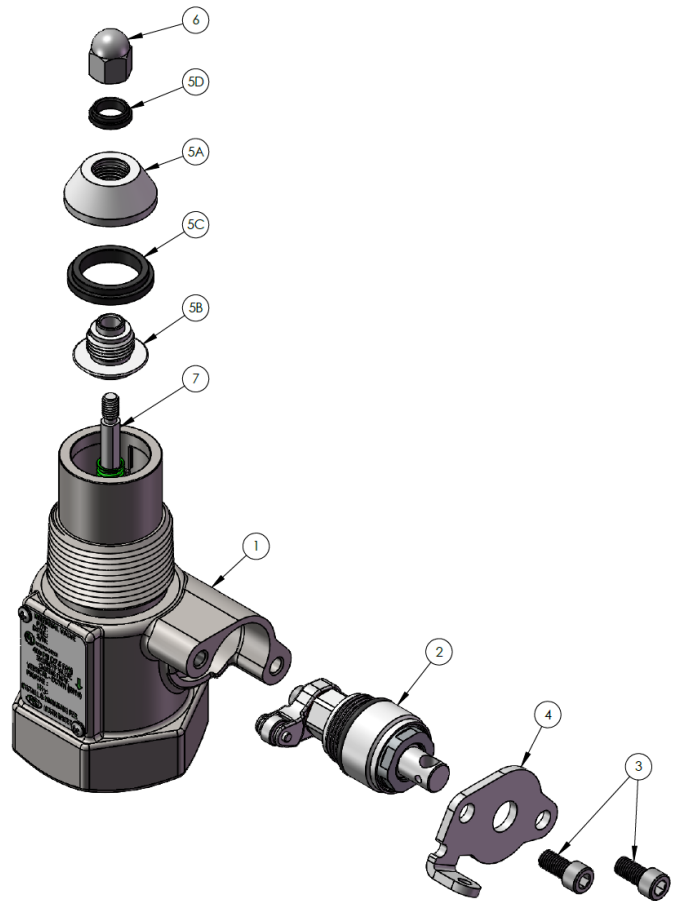
Excelsior Co.

ME990-10-SRK
SEAL REPAIR KIT
FOR: ME990-10 1 1/4" INTERNAL VALVE

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

Component List

- 1. Body
- 2. Gland Assembly
- 3. Mounting Screws; Qty: 2
- 4. Cover Plate
- 5. Valve Holder Assembly
 - 5A. Valve Holder
 - 5B. Seal Retainer
 - 5C. Valve Seal
 - 5D. Excess Flow Seal
- 6. Nut
- 7. Stem



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