



**ME980-6SRK
SEAL REPAIR KIT
FOR: ME980 3/4"-1" EMERGENCY
SHUT-OFF VALVE**

!!!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.

A. Disassembly

1. **EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.**
2. Remove Handle Rod [28] and Handle Knob [29] from Handle Body [14] and retain.
3. Remove Release Pin [30] from Body [1] and retain.
4. Remove either Pneumatic Release [31] or Cable Release [32] from Body [1] and retain.
5. Remove Handle Screw [21], Handle Washer [20], Nameplate [19], Nameplate Screw [18], and Nameplate Dial [17] from Handle Body [14] and retain.
6. Remove Handle Body [14] from Stem [3] and retain.
7. Remove Handle Spring [12] from Spring Winder [13] and retain.
8. Remove Spring Winder [13], (2) Thermal Pins [16], and Square Key [15] from Handle Body [14]. Retain Spring Winder [13] and Square Key [15]. Discard (2) Thermal Pins [16].
9. Remove (4) Flange Screws [22] from Flange [2] and retain.
10. Remove Flange O-Ring [23], Graphite Seal [24], and Valve Seat [26] from Flange [2]. Discard Flange O-Ring [23], Graphite Seal [24], and Valve Seat [26].
11. Remove Stem Bearing Washer [11], Gland [10], Gland bearing [9], Stem [3], Packing Washer [8], Female V-Packing [7], V-Packing [4], and Male V-Packing [5].
12. Remove Clapper Assembly [27] from Body [1].
13. Remove Cotter pin [27A] and Valve Stem Nut [27B] from Valve Stem [27E] and retain.
14. Remove Valve Holder [27C] from Valve Stem [27E].
15. Remove Pilot Seal [27D] from Valve Holder [27C] and discard.
16. Inspect Body [1] and clean if necessary, be sure interior is free of dirt, residue and foreign particles.

B. Reassembly

1. Install Pilot Seal [27D] onto Valve Holder [27C], large diameter first. Install Valve [27C] onto Valve Stem [27E].
2. Install Valve Stem Nut [27B] onto Valve Stem [27E] until Cotter Pin [27A] can just be installed. Install Cotter Pin [27A] and bend around Valve Stem [27E].
3. Apply suitable lubricant to Male V-Packing [5], V-Packing [6], and Female V-Packing [7].
4. Install Packing Washer [8], Female V-Packing [7], V-Packing [6], Male V-Packing [5], and Packing Spring [4] onto Stem [3].
5. Apply suitable lubricant to bore of Body [1] where Stem [3] is installed.
6. Install Clapper Assembly [27] into Body [1].

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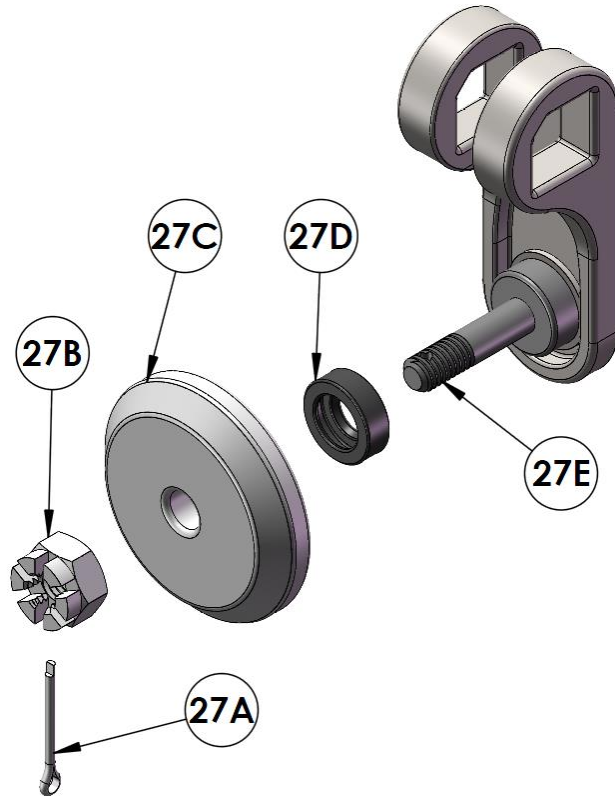
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7. Install Stem [3] into Body [1] to retain Clapper Assembly [27].
8. Install Gland Bearing [9] onto Stem [3].
9. Apply Anti-Seize to inside of Gland [10].
10. Apply Loctite #271 to threads of Gland [10] and install onto Stem [3] into Body [1], tighten securely.
11. Install Flange O-Ring [23] and Graphite Seal [24] onto Flange [2].
12. Install Valve Seat [26] onto Valve Seat Retainer [25].
13. Install Flange [2] into Body [1].
14. Apply Loctite #271 to (4) Flange Screws [22] and install into Body [1], tighten securely.
15. Install Stem Bearing Washer [11] onto Stem [3].
16. Install Handle Spring [12] onto Spring Winder [13] and install Spring Winder [13] onto Stem [3].
17. Turn Spring Winder [13] counter clockwise until key slots line up and install Square Key [15] into key slot. Rotate Spring Winder [13] counter clockwise to ensure Clapper Assembly [27] moves freely.
18. Install Handle Body [14] onto Spring Winder [13] with holes aligned.
19. Install (2) Thermal Pins [16] into Handle Body [14]. **WARNING: To ensure safe operation use only MEC thermal pins [16].**
20. Install Nameplate Dial [17] onto Handle Body [14] with holes aligned.
21. Install Nameplate Screw [18] into recessed hole into Nameplate Dial [17] and tighten.
22. Install Nameplate [19] onto Nameplate Dial [17].
23. Install Handle Washer [20] onto Handle Screw [21]. Apply Loctite #271 to Handle Screw [21] and install into Stem [3], tighten making sure Nameplate [19] still moved freely.
24. Install either the Pneumatic Release [31] or Cable Release [32] into Body [1].
25. Install Release Pin [30] into Body [1] to retain either Pneumatic Release [31] or Cable Release [32].
26. Apply Loctite #271 to threads of Handle Rod [28] and install into Handle Body [14], tighten.
27. 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. Flange
3. Stem
4. Packing Spring
5. Male V-Packing
6. V-Packing
7. Female V-Packing
8. Packing Washer
9. Gland Bearing
10. Gland
11. Stem Bearing Washer
12. Handle Spring
13. Spring Winder
14. Handle Body
15. Square Key
16. Thermal Pin; Qty:2
17. Nameplate Dial
18. Nameplate Screw
19. Nameplate
20. Handle Washer
21. Handle Screw
22. Flange Screw; Qty:4
23. Flange O-Ring
24. Graphite Seal
25. Valve Seat Retainer
26. Valve Seat
27. Clapper Assembly
 - 27A. Cotter Pin
 - 27B. Valve Stem Nut
 - 27C. Valve Holder
 - 27D. Pilot Seal
 - 27E. Valve Stem
28. Handle Rod
29. Handle Knob
30. Release Pin
31. Pneumatic Release
32. Cable Release



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