

# RELIEF VALVE ASSEMBLY INSTRUCTIONS

FEBCO Models: 825YD/826YD/860/880V

Repair Kits: 905102,905316,905192,905187,905188,905189,905190,905191, 905227, 905228, 905229

STEP #1: WHEN CLEANING RELIEF VALVE, REMOVE MODULE ASSEMBLY FROM RELIEF VALVE BODY BY PULLING, NOT TWISTING.

STEP #2: IF MODULE REPAIR IS NECESSARY, REMOVE PLASTIC LABEL FROM AROUND PAN HEAD RETAINING SCREW.



STEP #3: REMOVE RETAINING SCREW & COMPLETELY DISASSEMBLE RELIEF VALVE MODULE. THOROUGHLY CLEAN MAIN GUIDE.



STEP #4: NEW INNER DIAPHRAGM WILL COME IN KIT WITH FABRIC SIDE OUT & THE BEADED FLANGE POSITIONED UP AS SHOWN.

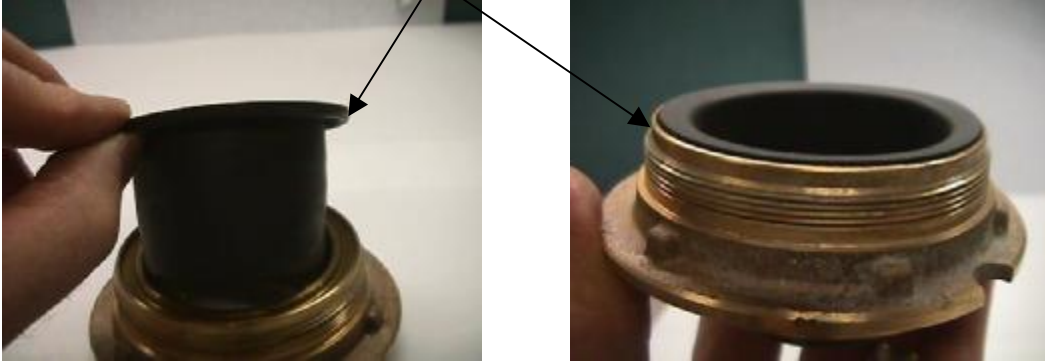


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**STEP #5: POSITION INNER DIAPHRAGM OVER MAIN GUIDE AND DROP IN PLACE WITH BEADED FLANGE FULLY ENGAGING GROOVE ON MAIN GUIDE**



**STEP #6: CLEAN OR REPLACE PLASTIC SLIP RING. CLEAN BRASS DIAPHRAGM RETAINER. LIGHTLY LUBRICATE RETAINER THREADS WITH A FOOD GRADE PETROLEUM JELLY OR EQUAL. PLACE SLIP RING INTO RETAINER. SCREW RETAINER WITH SLIP RING ONTO MAIN GUIDE, SECURING INNER DIAPHRAGM. MAKE SURE RETAINER IS SECURE.**



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**STEP #7: PUSH INNER DIAPHRAGM BACK THROUGH MAIN GUIDE UNTIL TOP OF DIAPHRAGM IS FLUSH WITH TOP OF RETAINER.**



**STEP #8: TURN GUIDE/DIAPHRAGM ASSEMBLY UPSIDE DOWN & WORK DISC HOLDER INTO GUIDE UNTIL FLUSH WITH DIAPHRAGM.**



**STEP #9: PUSH THE DISC HOLDER THROUGH THE GUIDE WHILE HOLDING THE DIAPHRAGM FLUSH AGAINST THE END OF THE HOLDER. CONTINUE UNTIL HOLDER STOPS ON GUIDE. PLACE THE ASSEMBLY ON A FLAT SURFACE WITH THE DIAPHRAGM FACING UP.**



**THIS WILL ASSURE THAT THE EXCESS RUBBER WILL ROLL TO THE INSIDE OF THE MAIN GUIDE WHEN THE HOLDER ASSEMBLY STROKES, OTHERWISE THE INNER DIAPHRAGM WILL CRACK AND LEAK.**

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**STEP #10:** PLACE FLOW WASHER ON TOP OF THE DIAPHRAGM WITH THE CROSS CHANNELS FACING UPWARD (MODELS 860 & 880V ONLY). LINE UP CENTER HOLES. PLACE SPRING ONTO GUIDE.



**STEP #11:** PLACE SPRING BUTTON OVER SPRING. WHILE PRESSING THE BUTTON FIRMLY AGAINST THE INNER DIAPHRAGM, INSERT THE PAN HEAD RETAINING SCREW. 860 & 880V MODELS REQUIRE A DRILLED FLOW SCREW!



FLOW SCREW MUST HAVE TWO DRILLED HOLES INTERSECTING EACH OTHER & UNOBSTRUCTED. PLACE PREVIOUSLY REMOVED DECAL OR TAPE BACK OVER SCREW HEAD TO PROTECT OUTER DIAPHRAGM.

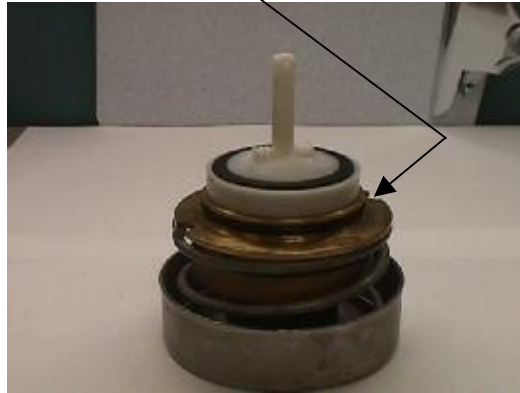


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STEP #12: REASSEMBLE DISC AND LOWER GUIDE TO DISC HOLDER. DO NOT ALLOW THE DISC HOLDER TO TURN OR TWIST DURING THIS OPERATION! CLEAN, LUBRICATE, & INSTALL MAIN GUIDE O-RING.



STEP #13: PLACE NEW OUTER DIAPHRAGM UPSIDE DOWN ON A FLAT SURFACE AND INSERT THE RV MODULE AS SHOWN.



STEP #14: PUSH THE FLANGE SECTION OF THE DIAPHRAGM DOWN ALL AROUND THE BASE OF THE MODULE UNTIL IT IS PARTIALLY INVERTED AS SHOWN.



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**STEP #15: CLEAN INSIDE SURFACES OF RELIEF VALVE BODY AND PUSH IN THE MODULE ASSEMBLY, BEING CAREFULL NOT TO PINCH GUIDE O-RING.**



**NOTE: LOWER GUIDE MUST ALIGN ITSELF PROPERLY WITH SEAT RING ONCE ALL PARTS ARE ASSEMBLED IN BODY, FOR RELIEF VALVE TO FUNCTION PROPERLY.**



**STEP #16: TAKE PARTIALLY INVERTED DIAPHRAGM AND PLACE OVER THE SPRING BUTTON OF THE MODULE. TAKE A BLUNT TOOL AND CAREFULLY WORK THE DIAPHRAGM IN AND AROUND THE BUTTON.**



**LINE UP DIAPHRAGM BOLT HOLES WITH BODY FLANGE BOLT HOLES.**

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**STEP #17: REPLACE THE COVER AND CHECK FOR PROPER POSITION.**

