

RELIEF VALVE ASSEMBLY INSTRUCTIONS

825YD/826YD/860/880V

2-1/2" through 10"

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.

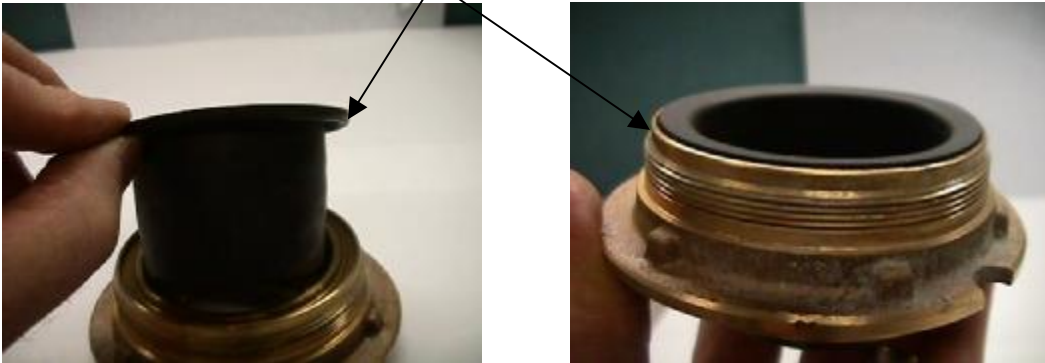


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STEP #5: POSITION INNER DIAPHRAGM OVER MAIN GUIDE AND DROP IN PLACE WITH BEADED FLANGE FULLY ENGAGING GROOVE ON MAIN GUIDE



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.

