

# ME800 UPPER SEAL REPLACEMENT KIT ME800-USRK

<READ AND UNDERSTAND ALL INSTRUCTIONS/NOTICES INCLUDED WITH THIS REPAIR KIT>  
INSTRUCTIONS:

- 1) REMOVE THE STEM TOGGLE PIN TO REMOVE THE HANDLE. DISCARD THE OLD THRUST WASHER (LOCATED ON TOP OF THE BONNET) AND REPLACE WITH THE NEW THRUST WASHER.
- 2) REMOVE THE BONNET BY TURNING IT COUNTER-CLOCKWISE USING A CRESCENT WRENCH WITH THE BODY SECURED IN A VISE. DISCARD THE OLD BONNET SEAL (LOCATED BETWEEN THE BONNET AND BODY) AND REPLACE WITH THE NEW BONNET SEAL.
- 3) REMOVE THE UPPER STEM ASSEMBLY FROM THE BONNET. DISCARD THE METAL WASHER, STEM BUSHING AND STEM BUSHING NEST (2 PIECES) AND REPLACE WITH THE NEW UNITS IN THE SAME ORDER AS THE OLD ONES WERE REMOVED. (REFER TO THE SCHEMATIC SHOWN ON PAGE 2).
- 4) REMOVE AND DISCARD THE O-RING LOCATED INSIDE THE TOP OF THE BONNET (USE A NON-METALLIC DEVICE SUCH AS A TOOTHPICK TO AVOID SCRATCHING THE SEALING SURFACE). LUBRICATE AND INSTALL THE NEW O-RING (USE LUBRIPLATE #107, OR EQUIVALENT - NOT INCLUDED).
- 5) RE-ASSEMBLE THE STEM ASSEMBLY INTO THE BONNET (TAKE CARE NOT TO DISLodge THE O-RING).
- 6) APPLY A THREAD SEALANT (LOCTITE® 271, INCLUDED) TO THE BONNET THREADS PRIOR TO RE-ASSEMBLY. CENTER THE NEW BONNET SEAL ON THE BONNET WHEN ASSEMBLING TO THE BODY; TIGHTEN THE ASSEMBLY WITH A MINIMUM OF 100 FOOT-POUNDS OF TORQUE.
- 7) RE-ASSEMBLE THE HANDLE TO THE UPPER STEM ASSEMBLY WITH THE TOGGLE PIN REMOVED IN STEP #1.
- 8) CONNECT THE ASSEMBLY INLET TO A PRESSURE SOURCE OF AT LEAST 150 PSI. CHECK FOR LEAKS (AS EVIDENCED BY BUBBLES) AT ALL JOINTS AND SEALING SURFACES BY SUBMERSING THE UNIT IN WATER (OR BY APPLYING MARSHALL EXCELSIOR CO. "LEAK DETECTOR" TO ALL JOINTS). TIGHTEN ANY JOINTS FOUND TO LEAK AND RE-TEST.
- 9) CAUTION - DO NOT USE THE VALVE IF ANY JOINT OR SEALING SURFACE CONTINUES TO LEAK UNDER PRESSURE.

FOR TECHNICAL ASSISTANCE, CALL 269-789-6700

MARSHALL EXCELSIOR CO.

