

ME806VRK VALVE REPAIR KIT FOR: ME806-16 TRANSFER VALVE

!!!WARNING!!!

READ AND UNDERSTAND ALL INSTRUCTIONS INCLUDED WITH THIS REPAIR KIT RELIEVE ALL PRESSURE FROM SYSTEM BEFORE REMOVING VALVE FOR SERVICE

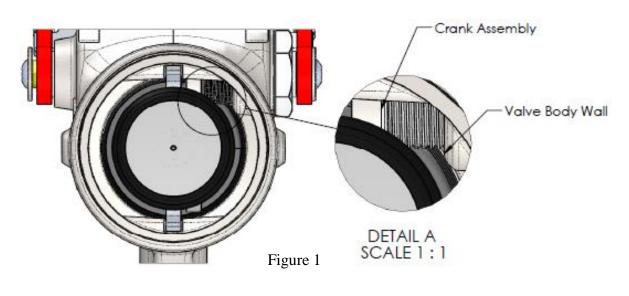


WARNING: These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

A. Disassembly

- 1. Remove Set Screws and discard.
- 2. Remove Nut Assembly and retain.
- 3. Remove Nut Adapter O-Ring and discard.
- 4. Remove Latch Spring and discard.
- Remove Screws, Handle Washer, Handle Plate, and Nylon Washer. Discard Nylon Washer and retain Screws, Handle Washer, and Handle Plate.

- When removing Bonnet, Insert screw driver between Valve Body wall and Crank Assembly to prevent galling of Crank Assembly (Figure 1). Remove Bonnet, Bonnet O-Ring and Crank O-Ring. Retain Bonnet and discard Bonnet O-Ring and Crank O-Ring.
- 7. Remove Valve Assembly and discard.
- 8. Remove Crank Assembly. Discard Crank O-Rings, Nylon Washer, Sleeve, and E-Clip and retain Crank Assembly.
- 9. Remove Tapered Spring and discard.
- 10. Inspect Valve Body and clean if necessary, be sure interior is free of dirt, residue, and foreign particles.



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B. <u>Reassembly</u>

- 1. Apply Lubriplate to crank pin of Crank Assembly and install Sleeve and E-Clip. (Figure 2)
- Apply Lubriplate to O-ring glands on crank shaft of Crank Assembly and install Crank O-Rings and Nylon Washer. (Figure 2)
- Apply Lubriplate to entire surface of crank shaft of Crank Assembly. (Figure 2)
- 4. Install Tapered Spring into Valve Body, black end first.
- 5. Insert crank shaft of Crank Assembly through bonnet hole from the inside of the Valve Body.
- 6. Install Valve Assembly into Valve Body with large end of Yolk cam slot facing relief port.
- 7. Insert crank pin of Crank Assembly into cam slot of Yolk.
- 8. Apply Lubriplate to O-ring glands on Bonnet, install Bonnet O-Ring, cut Crank O-Ring radially through one side only, in wiper seal gland on Bonnet. (Figure 3)
- 9. Apply Loctite #271 half way up threads on Bonnet, install bonnet in Valve Body and tighten, making sure O-Ring was not pushed out.

- 10. Apply Lubriplate to Valve Body and install Nut Adapter O-Ring in Valve Body.
- 11. Apply Lubriplate to threads of Valve Body, install Nut Assembly in Valve Body and tighten.
- 12. Apply Loctite #242 to Set Screws, install and torque to 80 in-lbs.
- Apply Loctite #242 to internal threads of Crank Assembly, install Nylon Washer, Handle Plate, Washer, and Screw and torque to 80 in-lbs.
- 14. Install Latch Spring using a screwdriver tip or other means.
- 15. Connect the valve assembly outlet to a pressure source of at least 150 PSI. Check for leaks at all joints and 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.

Crank O-Rings

Nylon Washer

Crank Shaft

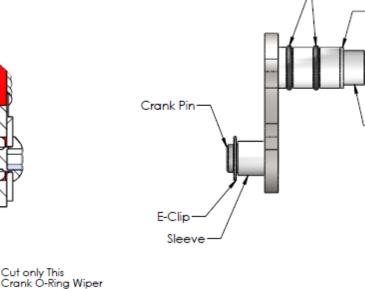
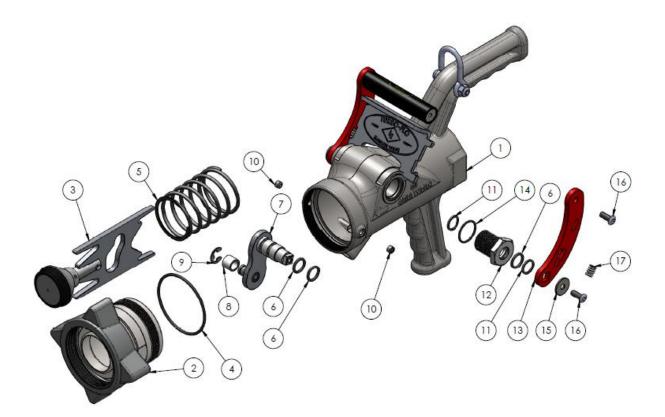


Figure 2





C. Parts List

- 1. Valve Body
- 2. Nut Assembly
- 3. Valve Assembly
- 4. Nut Adapter O-Ring
- 5. Tapered Spring
- 6. Crank O-Ring (Qty. 3)
- 7. Crank Assembly
- 8. Sleeve
- 9. E-Clip
- 10. Set Screw (Qty. 2)
- 11. Nylon Washer (Qty. 2)
- 12. Bonnet
- 13. Handle Plate
- 14. Bonnet O-Ring
- 15. Handle Washer
- 16. Valve Screw (Qty. 2)
- 17. Latch Spring