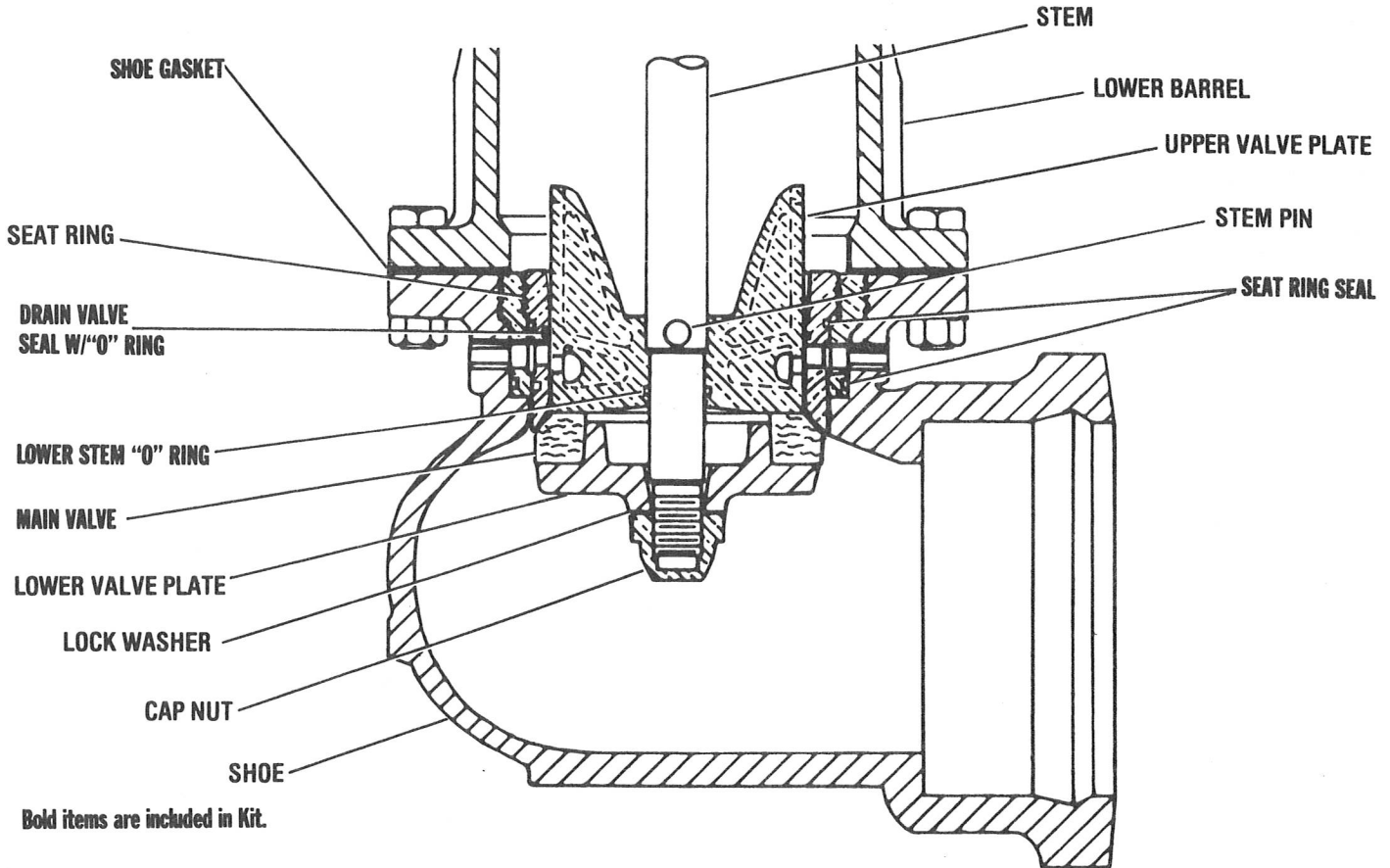


# MAIN VALVE REPAIR KIT

# MUELLER/107® Fire Hydrants



**Bold items are included in Kit.**

**CAUTION:** In order to properly identify the various "O" rings and gaskets included in this kit, carefully observe the locations and relative sizes of "O" rings and gaskets as you remove parts from the hydrant. As old "O" rings and gaskets are removed, match them up with the new ones by comparing sizes.

1. With Main Valve removed from hydrant, straighten edge of Lock Washer and remove Cap Nut.
2. Remove Lock Washer and flatten. Retain for later use.
3. Remove Lower Valve Plate and Main Valve.
4. Remove Seat Ring and remove two Drain Valve Seal assemblies.
5. Remove Upper Valve Plate from

Stem by driving out Stem Pin. (Retain pin for reassembly.)

6. Clean the faces of the Upper Valve Plate wings and the grooves in the Seat Ring where the wings make contact with that part.
7. Replace Lower Stem "O" Ring on inside of Upper Valve Plate. Repin plate to Stem.
8. Replace Seat Ring Seals (2).
9. Push an "O" Ring into the Drain Valve Seals. Insert these assemblies into the grooves in the Seat Ring with the Drain Valve Seal faces showing ("O" Rings concealed).
10. Lightly lubricate wings on Upper Valve Plate and slide Seat Ring into place, taking care that the Drain Valve Seals remain in their grooves.

11. Install new Main Valve.
12. Install Lower Valve Plate, Lock Washer and Cap Nut. Tighten Cap Nut firmly.
13. Bend edges of Lock Washer over one face of Cap Nut and one flat of Lower Valve Plate.
14. If Shoe Gasket is to be replaced: remove Lower Barrel and old Shoe Gasket, clean flange faces on Lower Barrel and Shoe, replace gasket and Lower Barrel. (Check gasket for leaks before burying hydrant and after hydrant is fully reassembled.)
15. Lubricate threads and seals on Seat Ring and reinstall Main Valve assembly.

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