



Replacement Instructions for Valve Stem Assembly SA25A-15 (340000) and Valve Seat 25A-14 (311600)

McDonnell No. 25A Make-up Water Feeder
 All Work Must be Performed by Qualified Personnel
 (Please read all instructions carefully before starting work)

Remove Original Valve Stem Assembly and Valve Seat

1. Turn off water supply to feeder, make sure by pass valve is closed and drain tank so water level is float chamber. Be cautious - drained water and feeder may be hot.
2. Same
3. Remove four screws (A) and remove valve and strainer assemblies. Move valve and strainer assemblies to a work bench for further disassembly operations.
4. Same
5. With socket attachment screwdriver bit, unscrew valve seat and remove. Once valve seat is removed, valve stem assembly will slide out freely.
6. Clean valve assembly housing thoroughly.

Installation of New Valve Stem Assembly and Valve Seat

7. Insert new valve stem assembly into valve housing.
8. Carefully screw new valve seat into position and tighten securely.
9. Clean strainer.
10. Remove old gasket and clean gasket surface on two bolt flange on the strainer and valve housing.
11. Re-assemble strainer assembly to valve assembly using new gasket and two screws (B) tighten securely.
12. Remove old gasket and clean gasket surface on the 4 bolt flange surface on the valve assembly housing and head casting.
13. Place new gasket over the "U" shaped fork mechanism in the head assembly.
14. Position stem assembly in valve assembly by looking through the outlet connection so that the "U" shaped fork in the head casting aligns and engages the roller bearing in the center of the stem in the valve assembly.
 Align holes in the valve assembly, gasket, and head casting. Assembly using four screws (A) and securely tightly.
15. Reconnect water supply pipes to inlet of strainer casting and outlet of valve assembly, open water supply valve, and close tank drain valve.
16. Check operation of feeder before placing system into operation.

