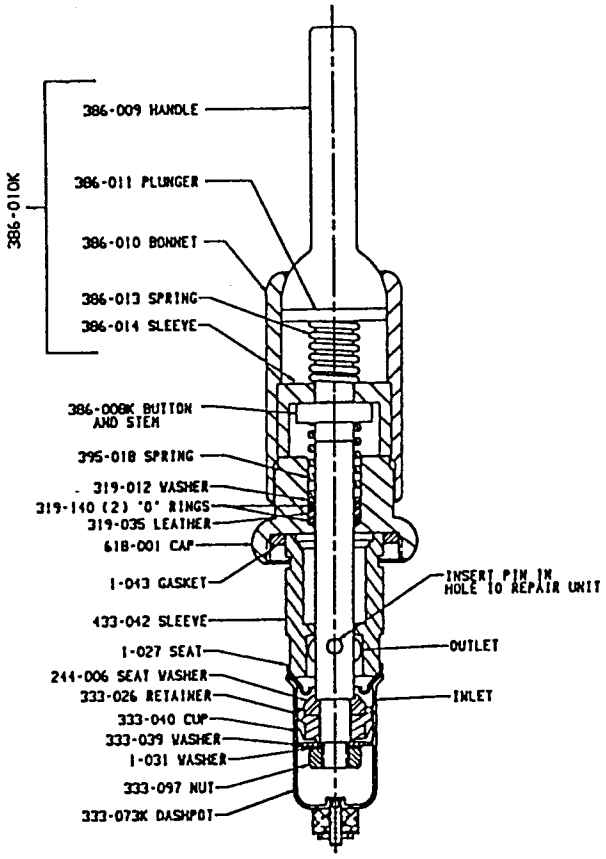
CHICAGO FAUCETS
DES PLAINES, ILLINOIS 60018-5999

INSTALLATION INSTRUCTION

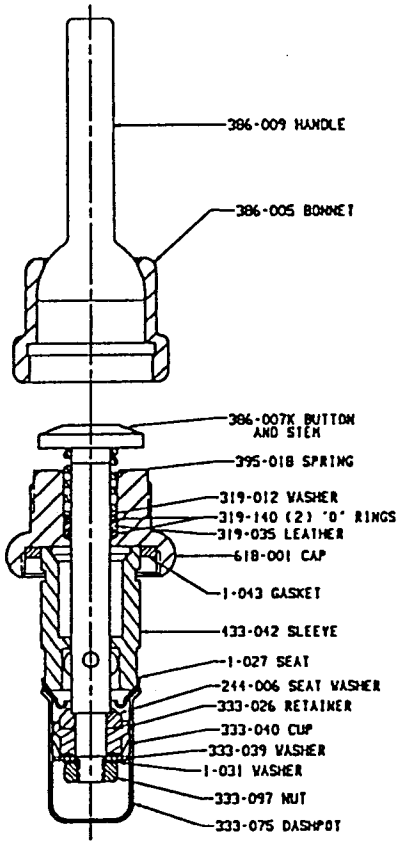
TAG: T-5B DATE: REV. 12/15/93

THIS FITTING HAS BEEN SET TO COMPLY WITH THE NATIONAL ENERGY POLICY ACT (1992) WHICH REQUIRES METERING FAUCETS TO FLOW ONE GALLON PER FLUSH MAXIMUM AT 80 PSI.

HOW TO REPAIR A "NAIAD" UNIT WITH DASHPOT AND OSCILLATING LEVER HANDLE



COMPLETE ASSEMBLY OF 386-X-SLO UNIT AND 386-10K OSCILLATING NON-SAG HANDLE FOR URINAL VALVES



COMPLETE ASSEMBLY OF 386-X UNIT AND OSCILLATING LEVER & BONNET FOR SELF CLOSING STOPS.

1. TO UNCOVER OPERATING UNIT ON URINAL VALVES WITH NON-SAG HANDLES, UNSCREW BONNET (386-010) AND REMOVE ENTIRE ASSEMBLY (386-010K). ON SELF-CLOSING STOPS AS SHOWN ON RIGHT HAND DRAWING, FIRST LOOSEN SET SCREW (777-013) WITH 1/16" ALLEN WRENCH AND REMOVE BONNET AND OSCILLATING LEVER BY UNSCREWING BONNET BY HAND.

2. EITHER UNIT CAN NOW BE REMOVED FROM BODY BY LOOSENING CAP (618-001) WITH A FLAT FACE WRENCH AND LIFTING ENTIRE UNIT FROM BODY INCLUDING THE DASHPOT.

3. IF LEAKAGE IS OCCURRING THROUGH SPOUT OUTLET, INSERT 1/8" DIAMETER PIN OR PIN WRENCH (244-025) THROUGH HOLE IN STEM AND WITH QUATURN WRENCH REMOVE STEM NUT (333-097) AND ALL PARTS UP TO AND INCLUDING (1-027) SEAT. INSPECT SEAT WASHER (244-006) AND REPLACE IF NECESSARY. NEXT, INSPECT SEAT (1-027) FOR NICKS OR WATER CUTTING AND REPLACE IF NECESSARY. IF CUP WASHER (333-040) HAS BEEN STICKING IN DASHPOT, REPLACE ALSO.

4. IF UNIT HAS BEEN LEAKING BETWEEN OSCILLATING LEVER AND UPPER CAP, REMOVE STEM ASSEMBLY (386-008K) AND SPRING (395-018) FROM SLEEVE (386-014) AND CAP (618-001) BY TAKING OUT WASHER (319-012). FROM CAP TAKE OUT PACKING ARRANGEMENT WHICH CONSISTS OF (2) O-RINGS (319-140) WITH (1) LEATHER (319-035) BETWEEN O-RINGS. GREASE STEM LIGHTLY AROUND PACKING AREA AND PUT NEW O-RINGS AND PACKING ON STEM USING SAME ARRANGEMENT AS INDICATED. ALSO LUBRICATE O.D. OF PACKINGS.

5. PLACE STEM WITH SPRING, WASHER AND PACKINGS PROPERLY ASSEMBLED BACK INTO CAP AND SLEEVE. NOW ASSEMBLY LOWER UNIT PARTS IN PROPER RELATION AND INSERT PIN OR PIN WRENCH (244-025) IN STEM HOLE AGAIN AND TIGHTEN NUT (333-097). GREASE CUP (333-040) WITH LIGHT GREASE AND PLACE UNIT IN DASHPOT.

6. WE RECOMMEND REMOVING AND REPLACING 1-043 GASKET BEFORE UNIT IS PLACED IN VALVE BODY. PLACE UNIT IN BODY AND LOCK UNIT BY TIGHTENING CAP (618-001) SECURELY. ADD UPPER CAP AND OSCILLATING LEVER SUB-ASSEMBLY TO UNIT.

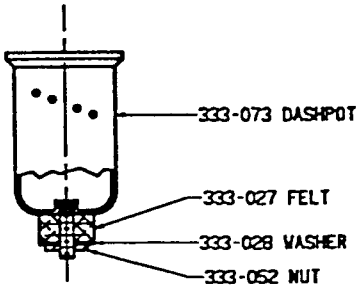
7. FITTINGS USING 333-073K DASHPOT, FOLLOW THESE PROCEDURES FOR ANY ADJUSTMENTS:

   A. TURN THE WATER OFF AT THE STOPS.

   B. REMOVE THE CARTRIDGE AND DASHPOT ASSEMBLY.

   C. DASHPOTS USED FOR FITTINGS WHERE A SELF-CLOSING FEATURE IS PROVIDED USE A POROUS FELT WASHER, BRASS WASHER AND STAINLESS STEEL NUT ON THE LOWER END OF THE DASHPOT. BY TIGHTENING OR LOOSENING THE NUT, ADJUSTMENT IS MADE. <u>TIGHTENING INCREASES TIME</u>, <u>LOOSENING DECREASES TIME</u>.

333-073K DASHPOT SUB-ASSEMBLY



D. REINSTALL THE CARTRIDGE AND FIRMLY TIGHTEN INTO THE FITTING.

E. TURN WATER ON AT THE STOPS AND TIME THE FLOW BY ACTUATING THE CARTRIDGE WITH THE HANDLE.

F. AFTER A PERIOD OF SERVICE, VARIATION MAY BE NOTED IN THE FLOW TIME FROM THE ORIGINAL SETTING. THIS INDICATES FOREIGN MATTER HAS PLUGGED THE FELT WASHER AND CLEANING OR REPLACING OF THE WASHER IS REQUIRED.

NOTE TO INSTALLER - WATER CONSERVATION CONFORMANCE

FOR JURISDICTIONS REQUIRING MAXIMUM OF 1 GALLON PER FLUSH, ADJUSTABLE DASHPOT SHOULD BE SET FOR THE FOLLOWING RUNNING TIME BASED ON AVAILABLE WATER PRESSURE:

9 SECONDS @ 80 PSI
15 SECONDS @ 40 PSI
21 SECONDS @ 20 PSI