



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB01-0009R1

November 16, 2005

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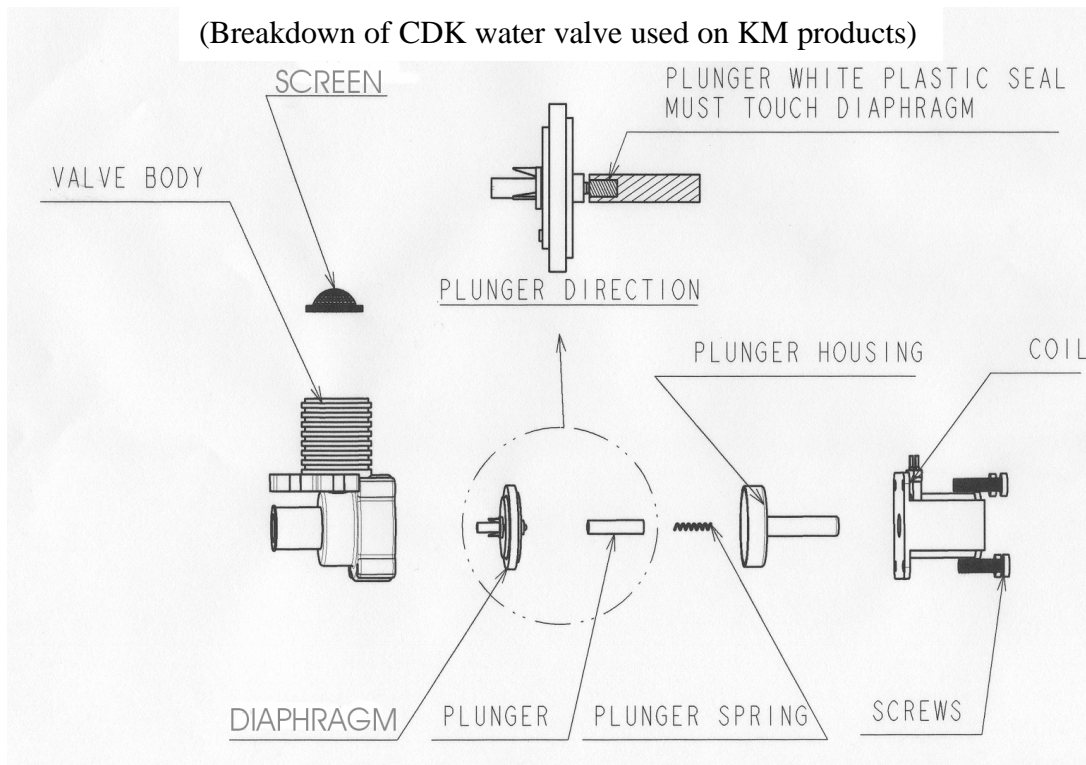
Subject: RE-BUILDING WATER INLET VALVES

(This bulletin supercedes SB97-0002R)

Hoshizaki uses a water inlet solenoid valve, on all icemakers. Under normal operating conditions this solenoid valve is very reliable. However, in areas of hard water or where a high level of chlorine is present, the diaphragm may be damaged. Both the diaphragm and the inlet screen can be replaced. See the attached list for correct diaphragm and screen numbers for each particular water valve. Failure of the water valve diaphragm due to scale or excessive chlorine, as well as clogged or dirty inlet screens are not considered warranty issues.

After reviewing warranty returned water valves, many times we have found that the valve has not been re-assembled correctly. Below you will find an exploded view of the valve assembly and instructions on the proper re-assembly of the valve.

When the valve is re-assembled after replacing a diaphragm, it is important that the plunger is installed in the correct position. This plunger has a white plastic seal on one end and is metal on the other. The white seal end of the plunger must be in contact with the diaphragm in order for the valve to work correctly.



Below is a listing of inlet water solenoids available for current production models and past production models. Water valves are listed by part number and the model machine they can be used in. Also listed is the number that is stamped on the valve itself for quick identification.

| <u>Part #</u> | <u>Stamp on valve</u> | <u>Diaphragm #</u> | <u>Model #'s</u> |
|---------------|-----------------------|--------------------|--|
| 3U0111-01 | J248-030 | 4A3362-01 | All KM-1200, All KM-1600, KM-1300 |
| 3U0111-02 | J248-032 | 4A3362-01 | All KM-630, KM-800, KM-632 KM-900 |
| 3U0111-03 | J248-033 | 4A3362-01 | All KM-450, KM-452, KM-500, KML-600 |
| 3U0111-04 | J248-072 | 4A3362-01 | All KM-250B-B, KML-350, KML-400, KML-450 |
| 3U0150-01 | J248-647 | 4A3362-01 | All KM-280M, KML-200 |
| 3U0145-01 | J248-126 | 4A3362-01 | All KM-250B-C, KM-250B-E, KM-250B_F |
| 3U0152-01 | J248-662 | 4A3362-01 | All KM-150BAF |
| 3U0133-01 | J248-096 | 4A3362-01 | All KM-250M-B, KM-250M-E |
| 3U0085-01 | J246-379 | 0000-0264 | All KM-451, KM-1201 |
| 3U0070-02 | J246-354 | 0000-0264 | All KM-601, KM-631 |
| 3U0136-01 | J248-106 | 4A3362-01 | All KM-1800, KM-2000, KM-2400 |
| 3U0065-01 | J246-086 | 0000-0264 | All F-251/250, F-441/450, F-1100/1101, F-2000M_E, DCM-231/230/240, DCM-451/450, DCM-701/700, F-650 & ALL, F-1000M_B, F-1000M_E up to serial code F-0 |
| * 4A0865-01 | K-63310-01 | SA0020 | F-650, F-1000 and DCM-450 serial code F-1 and after. ALL F-800, F-1001, F-200M_F, DCM-270, DCM-500, DCM-750 |
| 451324-01 | N/A | N/A | IM-51BAE (-B) |
| 458548-01 | N/A | N/A | AM-50BAE |
| 459011-01 | N/A | N/A | AM-100B_E, AM-150B_F |

The inlet screen is replaceable on all 3U0###-## water valves. Order replacement screen part # SP9200010. When inserting this replacement in a water valve, take care not to push the screen in so far that it applies pressure to the flow restrictor. The result of this will severely restrict the water flow.

*4A0865-01 is a domestic water valve manufactured by Eaton Corporation. It is very distinguishable because the valve housing is blue. You will find this water valve used on all Hoshizaki auger type units. The replacement screen for this valve is part # SA0019.

At this there are no replaceable parts for valve part number 451324-01 used on the IM-51BAE (-B)