



# HOSHIZAKI AMERICA, INC.

## SERVICE BULLETIN

**SB03-0009**

November 17, 2003

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### **Subject: AM SERIES BIN THERMOSTAT REPLACEMENT INSTRUCTIONS**

Attached you will find a copy of the Bin Thermostat replacement instructions for the AM-100BAE and AM-150BAF. Since the evaporator assembly is located just above the storage bin, the ambient temperature in the area where the capillary tube is routed can be cold enough to cycle the machine off on a satisfied bin control. Therefore this bin thermostat assembly includes a low wattage heater that allows only the tip of the control to react.

When replacing this bin control there are certain items that must be done correctly to insure that the control will function properly. (Fig. 1)

Bulb mounting instructions:

- 1.) Make a 1 ½" (40mm) loop in the capillary approximately 5 ½" to 6" (140mm to 150mm) from the end of the capillary or where the silicone tubing ends.
- 2.) Make sure that the loop is below the capillary holder. This will prevent the heat of the cord heater on the thermostat capillary from transferring to the bulb of the capillary. This loop should be buried in the ice as the bin fills up.
- 3.) Bend the capillary inside the holder so that it is ½" (15mm) away from the bin wall
- 4.) Turn approximately ½" to ¾" (15mm to 19mm) of the capillary end up 90°.
- 5.) See Detail "A" for details on assembling the heater and bin control assembly.

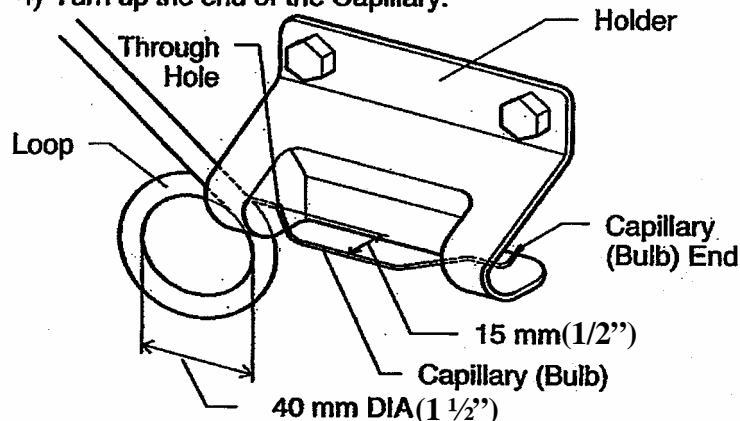
You can reference the below instruction sheet for more information and detailed drawings. If you have any additional questions concerning this issue please contact the Technical Support department at 1-800-233-1940.

## **SERVICE INSTRUCTIONS**

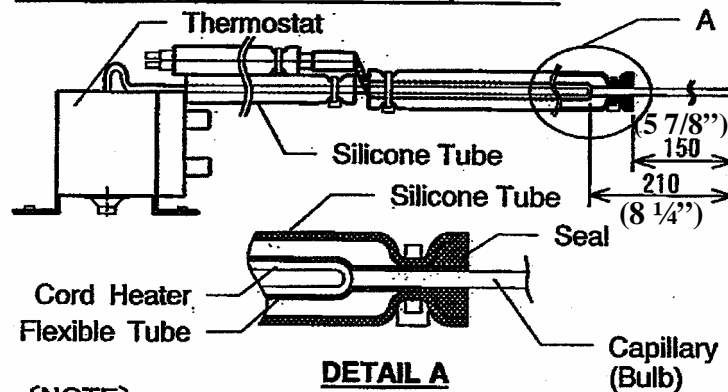
### **Bin Control Thermostat Replacement Procedure**

To ensure proper operation, follow the instructions below:

- 1) Make a 40 mm diameter loop. (1 1/2")
- 2) Locate the loop below the Thermostat Capillary (Bulb).
- 3) Manually bend the Capillary to keep it 15 mm forward from the through hole position on the Holder. (1/2")
- 4) Turn up the end of the Capillary.



### **Bin Control Thermostat Assembly Details**



(NOTE)

- 1) Run Cord Heater along with Capillary of Thermostat and bind them tightly with Aluminum Tape (Form end to end of Cord Heater).
- 2) Do not overheat Flexible Tube during shrinking process.

(Fig. 1)