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# Instructions

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## Replacement of the ice thickness sensor assembly.

1. Prepare the machine for the part installation. If the machine has been switched off and has no ice on the evaporator go to the next step. If the machine is making ice, push and release the Harvest button to melt the ice off the evaporator.

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**Note: The machine will shut Off at the end of the Manual Harvest Cycle.**

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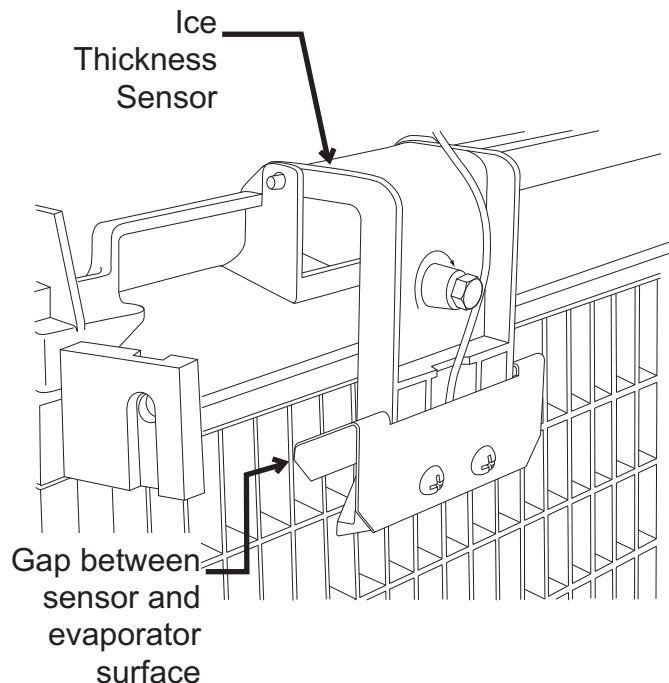
2. Disconnect electrical power.
3. Remove front panel.
4. Remove evaporator cover.
5. Remove curtain covering the ice thickness sensor.
6. Remove sound shield (where used).
7. Remove one screw and open the control box door.
8. Disconnect the wire connected to terminal J10 (wire closest to top of board).
9. Trace wire to freezing compartment, cut wire ties as needed to release it from the ice machine.
10. Squeeze legs of ice thickness sensor together and remove from the ice machine.
11. Squeeze legs of replacement sensor assembly together and install in place of the original.
12. Route wire to control box, connect to terminal J10.

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**Note: Route wire into back of control box. Be sure to keep wire away from high voltage wires.**

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13. Close the control box door, secure with the original screw.



14. Reconnect electrical power.

15. Set starting gap between sensor and evaporator plate:

A. Small cube (half dice) models: Place a clean 3/16" drill bit horizontally between the evaporator grid and the metal tip of the sensor. The diameter of the drill bit will be used as a feeler gauge.

B. Rotate adjustment screw as needed until the drill bit just touches the sensor tip.

or

A1. Medium cube (full dice) models: Place a clean 7/32" drill bit horizontally between the evaporator grid and the metal tip of the sensor. The diameter of the drill bit will be used as a feeler gauge.

B2. Rotate adjustment screw as needed until the drill bit just touches the sensor tip.

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**Note: When the drill bit is in contact with both the sensor tip and the evaporator, the controller's Ready for Harvest light will be ON.**

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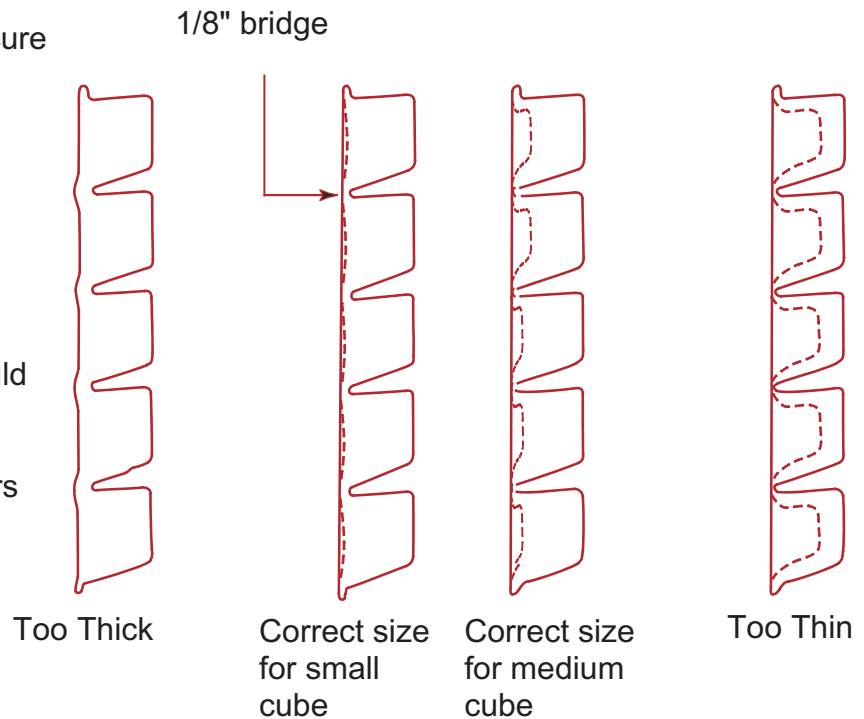
16. Check that the ice thickness wire does not bind movement of the ice thickness sensor. Provide adequate slack.

17. Close control box door, secure with the original screw.

18. Return curtain to its normal position.

19. Push and release the On button to restart ice machine, operate through a full cycle. Check bridge thickness, it should be about 1/8", adjust if needed.

20. Return all panels and covers to their original positions.



**Side View of Ice for Bridge Thickness Check**