

Installation instructions for KGEMDISP kit used on Ice-O-Matic 21" wide Pearl Ice® Makers (GEM0450/0650/0655/0955/0956/1306) when installed on ice dispensers.

Kit Items and Purpose:

- Bin thermostat, Thermostat tube and brackets to maintain the nugget ice level lower than the rim of the bin.
- An ice chute diverter to aid in dispensing.

Installation Stages

1. Set-up Ice-O-Matic -IOD200/250 and Cornelius dispensers by installing ice diverter and adjusting dispense gate and agitation time.
2. Install the IOM bin bracket.
3. Install the ice machine onto the dispenser. Note: adapter may be required, refer to dispenser manufacturer's instructions.
4. Install the IOM bin thermostat onto the Ice-O-Matic ice machine and route the capillary tube.
5. Adjust float.

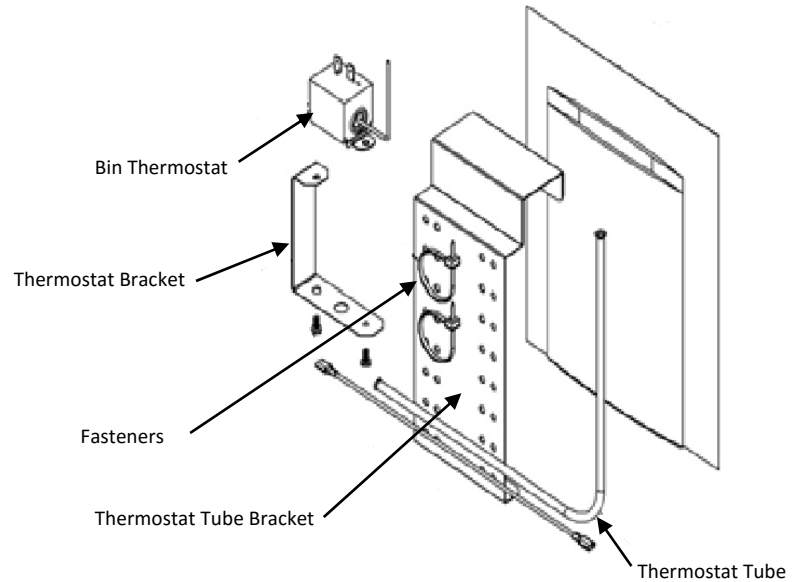
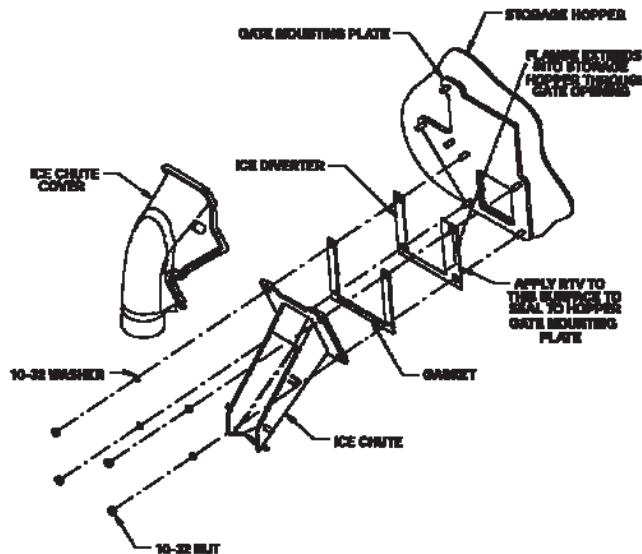


Figure 1: Components Included in Kit

KGEMDV Kit

- Used with Ice-O-Matic IOD150/200/250 and Cornelius ED/DF150/200/250 dispensers only.
1. Install the Ice Diverter per instructions in kit.
 2. Adjust agitation timer per instructions included with KGEMDIV.
 3. Ensure Ice Chute opening is at least 1-1/2". If it is less than 1-1/2", open the Gate Restrictor.



Thermostat Tube

Bracket:

Figure 2: Ice Diverter Kit installation (refer to KGEMDIV Instructions)

1. Mount Bin Thermostat Tube to the Thermostat tube bracket using the fasteners provided. Install the Cable Tie Fasteners through the bottom set of holes of the bracket to secure the tube.
2. Install Thermostat Tube Bracket on left side dispenser wall as shown.

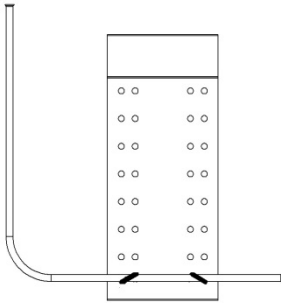


Figure 3: Thermostat Tube Mount

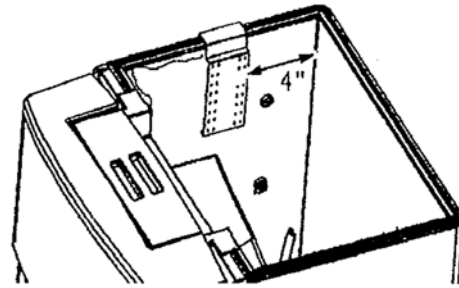


Figure 4: Thermostat Tube Bracket location

Install the ice machine onto the Dispenser

- Important: Lancer Dispensers must have N in model number to be nugget compatible.
1. Follow Dispenser manufacturer's instructions for installation of adapters, deflectors or other required parts.

Bin Thermostat Installation

1. Disconnect electrical power from the ice machine.
2. Remove the front panel of the ice machine.
3. Route the bin thermostat capillary tube through a nearby snap bushing of the control box.
4. Disconnect the blue wire from the toggle switch and reconnect it to one of the terminals of the bin thermostat.
5. Connect the wire of the kit to the toggle switch on one end and the bin thermostat on the other.
6. Run the capillary tube of the bin thermostat through the hole with the foam gasket, next to the ice chutes.
7. Route the capillary tube into the Bin thermostat Tube and seal flanged opening with silicone.
8. Remove the lowest mounting screw from the back of the control box.
9. Install the thermostat bracket in the control box as shown in Figure and Figure 6, attaching it with the screw removed in the previous step.

Tip: The lower hole of the bracket is large enough to fit a slender screwdriver through.

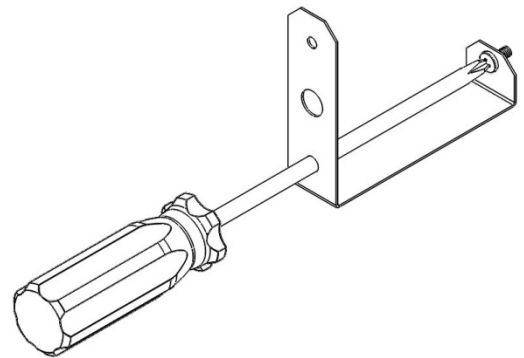


Figure 5: Thermostat Bracket Installation

10. Mount the thermostat to the supplied bracket.

11. Adjust the bin thermostat:

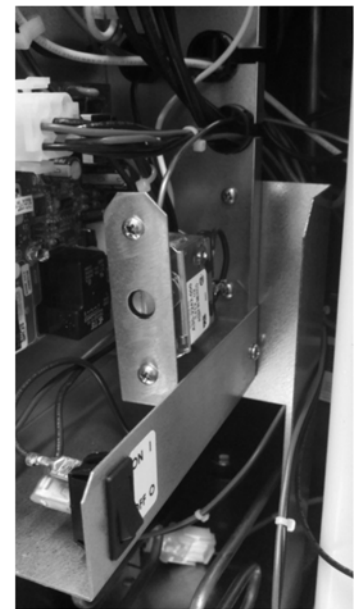


Figure 6: Thermostat in control box

Hold ice against the thermal well of the bin bracket, making sure the ice is in contact with the entire length of the thermal well. The bin control should open in approximately 1 minute. Remove the ice. The bin control should close in approximately 3 minutes. If a major adjustment is required, turn the adjustment screw counterclockwise (warmer) until it stops then turn the adjustment screw clockwise (colder) 1/8 of a turn. This should put the control close to the proper adjustment, recheck and make a minor adjustment if needed. If a minor adjustment is required, turn the adjustment screw clockwise (colder) or counterclockwise (warmer).

12. Return the control box cover to the ice machine.
13. Reconnect electrical power to ice machine.

Float Adjustment

1. Turn the machine ON and observe water level in the reservoir.
2. Remove Reservoir Cover and carefully bend the float arm downward so the water level is maintained 3/4" below the embossed line with the machine running.
3. Reinstall front cover panel.

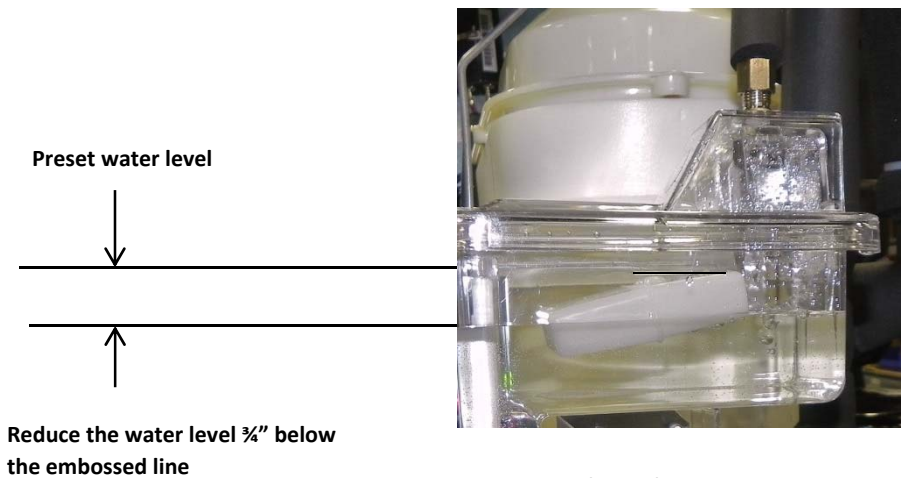


Figure 7: Float Adjustment

Checklist for installed items:

- IOM KGEMDIV ice diverter (ensuring the ice chute is securely tightened back into place and the chute gasket is not obstructing the inside of the ice chute).
- IOM bin bracket and thermostat (thermal well)
- Bin thermostat capillary tube into the bin bracket thermal well and seal with silicone
- Bin thermostat into the control box with bracket

Adjustments:

- Bin thermostat for ice level
- Ice dispenser chute minimum opening 1-1/2"
- Ice Dispenser agitation. Motor On time 1/2 sec. Motor Off time 3hrs
- Adjust float 3/4" below the embossed line