



General Electric Company  
Appliance Park, Louisville, KY 40225

**FEBRUARY 2001**

## **MONOGRAM ICEMAKER UPDATES**

There have been many improvements made to our icemaker over the last year. The following is a list of those improvements and a troubleshooting guide to help you diagnose problems that existed.

### **IMPROVEMENTS**

- Lowered fill level thermistor (January 2000)
- Modified control housing to prevent improper wiring connections (May 2000)
- Rerouted suction/capillary line to allow installation of accessory drain pump kit ZPK1 (October 1999)
- Added screen to the accumulator to reduce foreign matter in the hot gas valve (March 2000)
- Changed manufacture and operating algorithm on the printed circuit board (March 2000, August 2000)
- Added guides to the cutter grid to reduce ice slab from jamming above the wire (September 2000)
- Modified circulation pump to reduce lower bearing failures (March 2000)
- Modified recirculation pump rib to allow further insertion of the plastic tube on the pump (March 2000)

### **TROUBLESHOOTING GUIDE**

#### **Noisy/Gurgling Circulating Pump**

- Tube off pump – will blow the water out of the water tank
- Leaking cap – tighten or replace
- Worn or rusty bearing – replace
- Restricted water flow – check for complete fill, clogged water valve, crimped water line or clogged saddle valve
- Too large an ice slab – bad evaporator thermistor, hot gas valve unplugged or restricted, check resistance

#### **Too Much Ice**

- Thermistor location – rotate location down to lower ice level
- Check thermistor plug for proper connection to control housing
- Check thermistor resistance value
- As ice melts without usage it will melt away from the thermistor and allow the icemaker to cycle until the bin thermistor is satisfied.

**Note:** Recommend to the user to shut off occasionally if this occurs.

#### **No Ice**

- Check water level
- Clogged water valve
- No water – turn on/connect
- Slab trapped on grid – add guides WR02X100631
- Waver valve leaking – water too warm
- Hot gas valve leaking – water too warm
- No cool – check sealed system – condenser fan blocked
- Unit has auxiliary drain pump with a restricted drain tube. If the icemaker is plugged into the pump the overflow switch will shut off the icemaker. The machine will continually cycle and not make ice until the drain is opened.

#### **Water usage per day**

Continuous operation - 14 gallons  
Average use - 5.5 gallons

For 15" units being installed in an 18" opening the following kits can be used: Publication 49-60033B, 49-60033W and 49-6003S.

### **ADDITIONAL INFORMATION**

Technical Service Guide Pub. No. 31-9030  
Informational Video for 15" Icemaker Pub. No. 31-9031

## **INSTALLATION INSTRUCTIONS FOR ICEMAKER CONTROL BOARD**

#### **ZPK1 Auxiliary Drain Pump Kit**

If the customer does not have a floor drain for their icemaker, a ZPK1 pump may have been installed to pump the waste water to a nearby drain. The pump fits inside the unit with the icemaker plugged into the pump. (See installation instructions) If the drain tube for the pump is restricted it will shut off the pump and the icemaker to prevent water damage. Once the restriction is cleared, the pump and icemaker will start again. Since the icemaker goes through a start up sequence each time it is turned on, it may not make ice if the restriction causes it to cycle on and off frequently.

The pump senses the water level in the tank with an electronic sensor. If the customer turns the unit off and allows the ice to melt, the water flowing into the pump may be too pure for the sensor to detect. Therefore, water will back up into the bin. A 60 Kohm resistor is jumpered across the sensor to prevent water backup. If the pump does not have this resistor or if it is defective, it will not sense the water level and turn on the pump. Each time the pump is turned on it will run for 15 seconds. This could be used as a way to drain the bin by manually turning the pump on and off every 15 seconds until the bin is empty.

## **WARNING :**

**Disconnect power before servicing. Replace all panels before operating. Failure to do so can result in death or electrical shock.**

# Ge Monogram User Manual

**ML Yell**



## **Ge Monogram User Manual:**

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