

KitchenAid™

AUTOMATIC
ICE MAKER

MODEL 3KUIS185

USE & CARE GUIDE

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IMPORTANT SAFETY INSTRUCTIONS

WARNING

To reduce the risk of fire, electrical shock, or injury when using your ice maker, follow these basic safety precautions:

- Read all instructions before using the ice maker.
- Never allow children to operate, play with or crawl inside the ice maker.
- Never clean ice maker parts with flammable fluids. The fumes can create a fire hazard or explosion.

• FOR YOUR SAFETY •

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE. THE FUMES CAN CREATE A FIRE HAZARD OR EXPLOSION.

It is your responsibility to be sure your ice maker:

- is installed and properly leveled where it is protected from the elements.
- is located so that the front is not blocked to restrict air flow.
- is located in a well ventilated area with temperatures above 13°C (55°F) and below 43°C (110°F) . Best results are obtained at temperatures between 21°C (70°F) and 32°C (90°F) .
- is properly connected to a water supply and drain.
- is connected only to the proper kind of outlet with the correct electric supply and grounding. A 220/240 Volt, 50 Hz., 10 amp fused electrical supply is required.

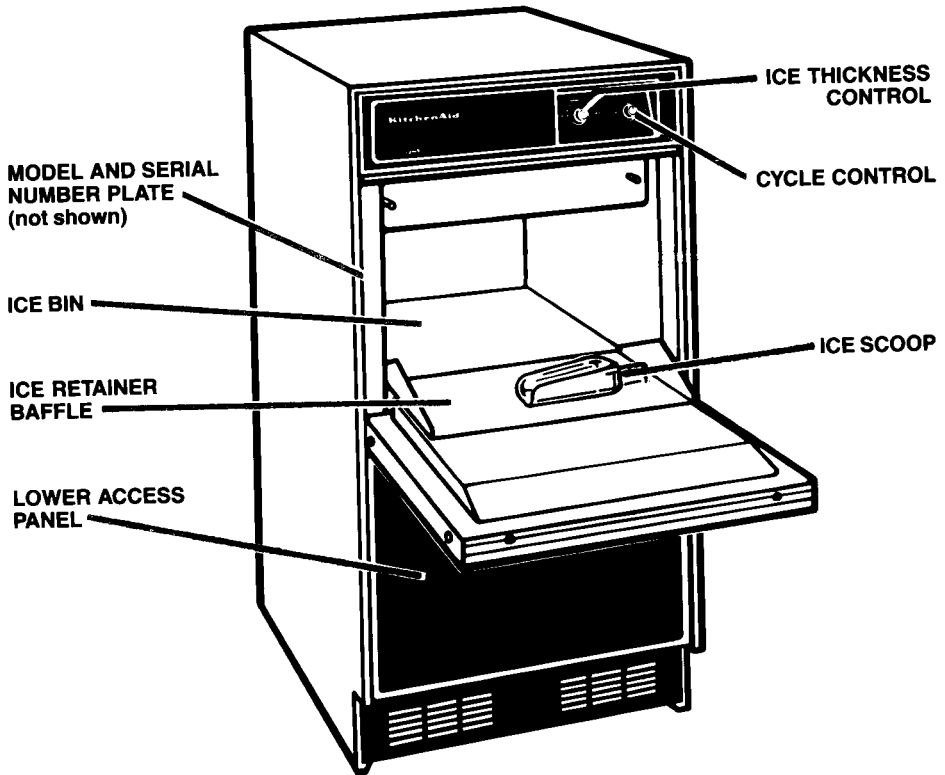
IMPORTANT: Time delay fuse or circuit breaker is recommended.

- is not used by anyone unable to operate it properly.
- is used only to do what ice makers are designed to do.
- is properly maintained.

IMPORTANT: A drain pump kit (EKDP3) is available as an option for installation where a floor drain is inaccessible.

SAVE THESE INSTRUCTIONS

PARTS AND FEATURES



Copy Your Model and Serial Numbers Here

When you need service, or call with a question, have this information ready:

1. **Complete** Model and Serial Numbers (from the plate – see diagram above).
2. Purchase date from sales slip.

Copy this information in these spaces. Keep this book, and your sales slip together in a handy place

Please complete and mail the Owners Registration Card furnished with this product.

Model Number

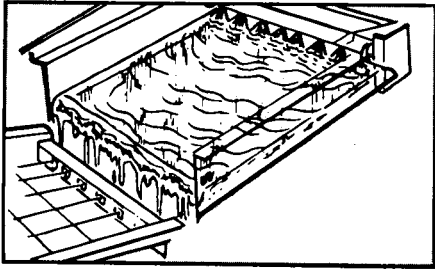
Serial Number

Purchase Date

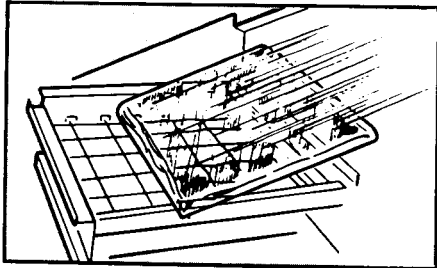
Service Company Phone Number

USING YOUR ICE MAKER

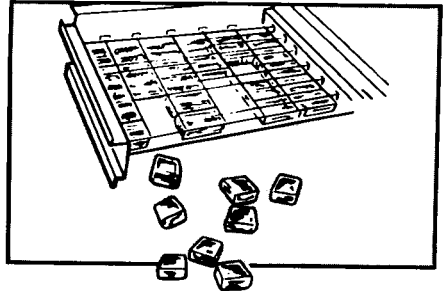
How the Ice Maker Works



1. Water is constantly circulated over a freezing plate. As the water freezes into ice the minerals in the water are rejected. This produces a clear sheet of ice with a low mineral content.

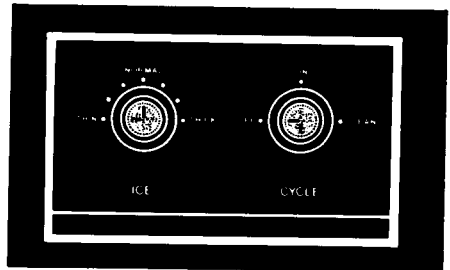


2. When the desired thickness is reached, the ice sheet is released and slides onto a cutter grid. The grid divides the sheet into individual cubes.
3. The water containing the rejected minerals is drained after each freezing cycle.
4. Fresh water enters the machine for the next ice making cycle.



5. Cubes fall into the storage bin. When the bin is full the ice maker shuts off automatically and re-starts when more ice is needed.

Setting the Controls

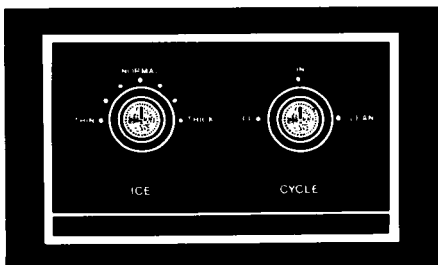


1. Select ice thickness. The ice maker has been pre-set to produce ice approximately 13 mm (1/2") thick, while operating in a room ambient temperature of 21°C (70°F).

Operation in different ambient temperatures may require readjusting the control toward "THICK" or "THIN."

Best operation will be obtained with ice 13 mm (1/2") to 16 mm (5/8") thick.

If operating in a warm room ambient temperature (above 32°C [90°F]), **DO NOT** set control to maximum thickness or the unit may malfunction.



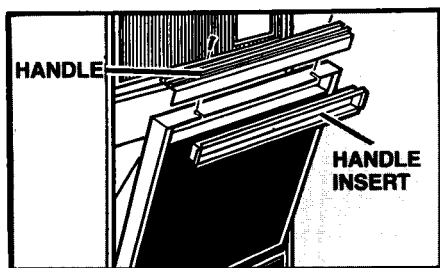
2. To start the normal ice making cycle, turn the Cycle Control Knob to "ON."
3. To stop ice maker operation, turn Cycle Control Knob to "OFF:"

The "CLEAN" setting should only be used when solutions are circulated through the ice maker for cleaning. Only the water pump operates at this setting.

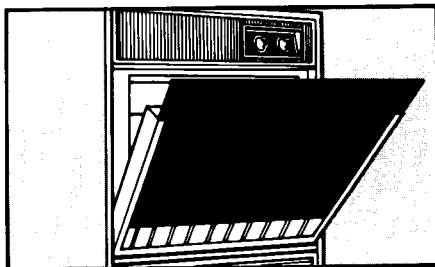
Changing the Bin Door Panel

You can easily change the color of the front panel on the storage bin door. Four colors are available; Black, White, Almond, and Harvest Gold.

To Change Panel:



1. Open the storage bin door. Remove the two screws on the top of the door, which hold the handle.
2. Loosen the screws in both of the side trim pieces.
3. Remove the handle and the handle insert.



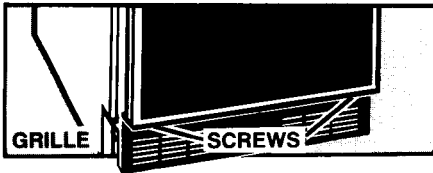
4. Carefully slide the panels out. You will find two panels with four colors.
5. Choose the color you want to show and carefully slide the panels back into the door. **IMPORTANT:** Be careful not to scratch the panels as they are inserted.
6. Replace the handle insert and tighten the screws in both side trim pieces. Replace the handle and the screws.

IMPORTANT: You can change the exterior of your ice maker to all-white or all-almond. Control panels are available in white and almond to match bin door and lower access panels. Order one of the following from your nearest KitchenAid dealer:

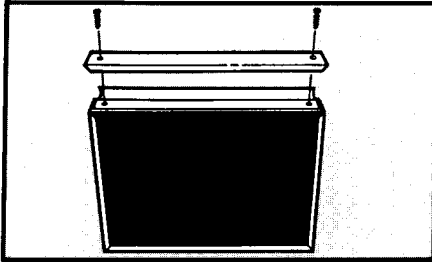
- White control panel (P.N.4210583).
- Almond control panel (P.N.4210584).

You can also make a decorative wood front for the bin door to match existing cabinets. The panel should 6.35 mm (1/4") thick and 43.2 cm x 28.6 cm (17" x 11 1/4"). Remove the color panels and break off the ribs on the door insulation to allow for wood thickness.

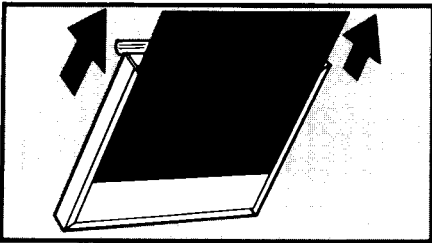
Changing the Lower Access Panel



1. Remove the two screws in the bottom grille section.



2. Remove the two screws from the top panel trim and remove the top trim.



3. Carefully slide the panels out. You will find two panels with four colors.
4. Choose the color you want to show and carefully slide the panels back into the lower access panel.
IMPORTANT: Be careful not to scratch the panels as they are inserted. Optional decorative wood front to match existing cabinets can be installed. This panel should be 6.35 mm ($\frac{1}{4}$ ") thick and 43.3 cm \times 30.3 cm (17 " \times $11\frac{15}{16}$ "). Remove the color panels and spacers to allow for wood thickness.
5. Replace the top trim and screws. Replace the lower access panel assembly and screws.

CLEANING AND CARING FOR YOUR ICE MAKER

Periodically inspect and clean the ice maker to keep it operating at peak efficiency and to prevent premature failure of system components.

Both the ice making system and the air cooled condenser need to be cleaned regularly.

The minerals rejected from the circulating water during the freezing cycle will eventually form a hard scaly deposit in the water system which prevents a rapid release of the ice from the freezing plate.

Clean the ice and water system periodically to remove mineral scale build-up. Frequency of cleaning depends on water hardness. With soft water, cleaning may not be required for several years. With hard water (4 to 5 grains/liter [15 to 20 grains/gal.]), cleaning may be required as frequently as every six months.

A dirty or clogged condenser:

- Prevents proper air flow.
- Reduces ice making capacity.
- Causes higher than recommended operating temperatures which may lead to component failure.

Cleaning Exterior Surfaces



Wash the exterior enamel surfaces and gaskets with warm water and mild soap or detergent. Rinse and dry. Regular use of a good household appliance cleaner and wax will help protect the finish.

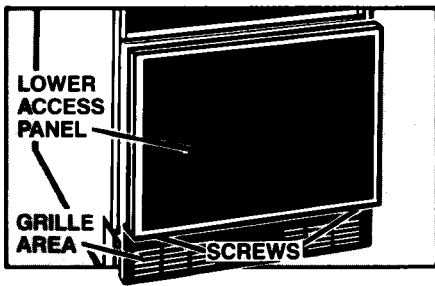
Do not use harsh or abrasive cleansers on enamel surfaces as they may scratch the finish.

Cleaning the Condenser

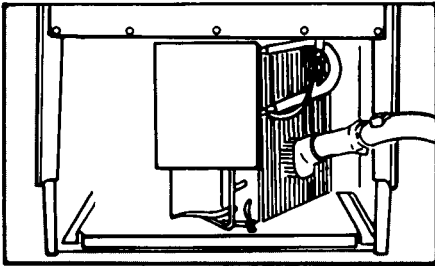
⚠ WARNING

Personal Injury Hazard
Be sure the ice maker is **OFF** and disconnected from the main power supply. Condenser fan rotation, sharp condenser fins and hot tubing could cause personal injury.

1. Disconnect electrical power supply to the ice maker and place the Cycle Control Knob in the "OFF" position.



2. Remove the two screws from the grille area of the lower access panel.
3. Pull forward and down to remove the panel.



4. Remove dirt and lint from the condenser fins and the unit compartment with a brush attachment attached to a vacuum cleaner.

⚠ CAUTION

Condenser fins can bend easily. Use care when vacuuming the condenser to keep from bending the fins.

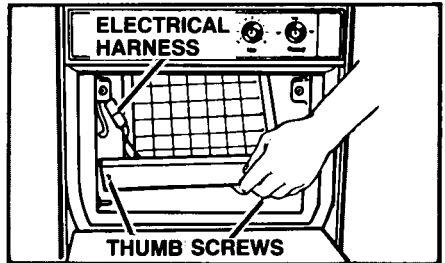
5. Replace the lower access panel and screws.
6. Plug unit in and place the Cycle Control Knob in the "ON" position.

Cleaning the Ice Maker System

⚠ WARNING

Personal Injury Hazard
Most ice machine cleaners are citric or phosphoric acid which can cause irritation even after dilution. In case of contact with eyes, flush eyes thoroughly with fresh water and contact a physician immediately. In case of contact with skin, rinse well with water. If swallowed, give large amounts of water and contact a physician immediately. Do not induce vomiting. **KEEP OUT OF REACH OF CHILDREN.**

1. Place the Cycle Control Knob in the "OFF" position.

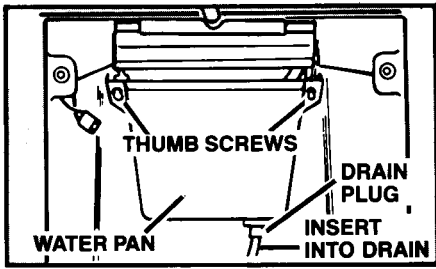


2. Remove the two thumb screws and slide the ice cutter grid forward, out of the slots near the water pan.
3. Unplug the electrical harness.

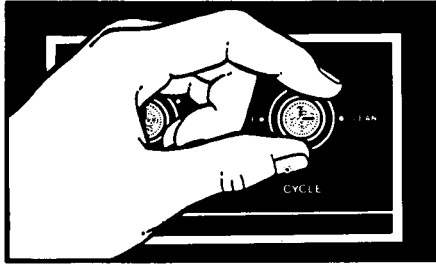
⚠ CAUTION

Any ice on the grid should be melted under running warm water. Attempting to pick the ice slab off the grid may stretch and damage the grid wires.

4. Remove all ice from the storage bin and the freezing plate.



5. Drain the water pan by removing the drain plug and then replace the plug.



6. Pour 1.9 L ($\frac{1}{2}$ gallon) of hot tap water into the water pan and turn the Cycle Control Knob to "CLEAN." This warms up the system to make the cleaning solution more effective. Let circulate for five minutes. While tap water is circulating, prepare cleaning solution. Mix:
 - 170 g (6 oz.) powdered citric or phosphorous acid into
 - 1.9 L ($\frac{1}{2}$ gallon) hot water

(Citric and phosphoric acid crystals are available from many pharmacies or scientific supply houses.)

Commercial ice machine cleaners (liquid) are also available from your dealer or refrigeration parts supply stores. Mix according to instructions on label (total quantity 1.9 L ($\frac{1}{2}$ gallon)).

7. Turn Cycle Control Knob to "OFF" and drain the water pan. (See step 5.)
8. Turn the Cycle Control Knob to "CLEAN" and slowly pour the hot cleaning solution into the water pan. (If solution foams while pouring, wait until foaming stops.) Then add the balance of the solution.

Allow solution to circulate until the scale has dissolved (15 to 20 minutes). Severe scale build-up may require repeated cleaning with a fresh quantity of cleaning solution.

To clean scale off the side flanges of the freezing plate, use rubber gloves and scrub with a plastic scrubbing pad or non-soap filled stainless steel pad dipped in cleaning solution.

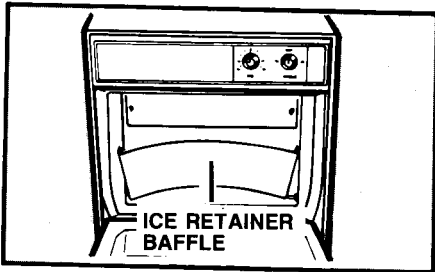
9. Keep rubber gloves on to drain the cleaning solution. Turn the Cycle Control Knob to "OFF" and drain the water pan. (See step 5.)
10. Replace the plug and add 1.9 L ($\frac{1}{2}$ gallon) of fresh water. Set Cycle Control Knob on "CLEAN," circulate five minutes and drain. Repeat rinsing process.
11. To clean the interior components, continue with steps 4-9 on pages 11 & 12.
12. To start normal ice making cycle:
 - Reconnect electrical harness, slide cutter grid into place and tighten thumb screws.
 - Replace ice retainer baffle.
 - Turn Cycle Control Knob to "ON."

Cleaning the Interior Components

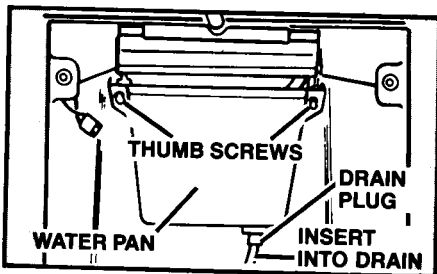
! WARNING

Personal Injury Hazard
Do not operate ice maker with lower access panel or control panel removed. Personal injury could result.

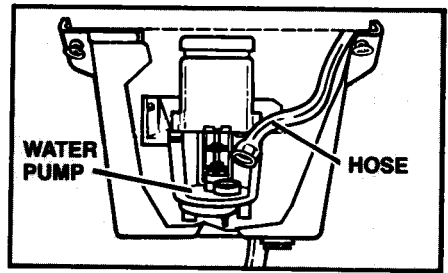
1. Turn the Cycle Control Knob to "OFF" and disconnect the electrical power supply to the machine. Open the storage bin door and remove any ice that is in the bin.



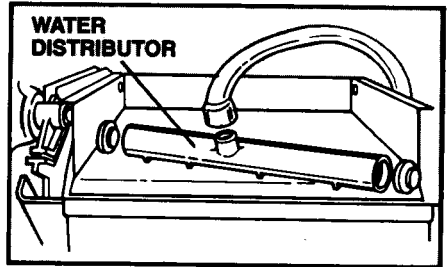
2. Remove ice retainer baffle by flexing it and then slide it off the studs.
3. Remove the ice cutter grid by unscrewing the two thumb screws, sliding the grid forward and unplugging the electrical wire harness.



4. Remove the water pan by unscrewing the two thumb screws.



5. Remove the hose from the water pump.



6. Remove the water distributor from the freezing plate. It is held in place by rubber end caps. Remove the inlet hose and the small orifice in the inlet side of the distributor, make sure the end caps are located in the evaporator flange detents and that the water distributor holes face down.
7. Wash the **interior components** (ice retainer baffle, cutter grid, water pan, inlet hose and water distributor) and the storage bin, door gasket and ice scoop with mild soap or detergent and warm water. Rinse in clean water. These components should also be cleaned in a solution of 30 mL (1 oz.) of chlorine bleach in 3.8 L (1 gallon) warm water.
DO NOT WASH PLASTIC PARTS IN DISHWASHER. They cannot withstand temperatures above 63°C (145°F).

- 8.** Replace the interior components; water distributor, inlet hose and water pan.
- 9.** Check the following:
 - Hose from water valve is in water pan.
 - Rubber drain plug is in water pan.
 - Water distributor is seated and holes are facing down.
 - Hose is reconnected to pump and water distributor.
 - Hose from water pan is inserted into storage bin drain opening.
- 10.** Reconnect electrical harness, slide cutter grid into place and tighten the thumb screws.
- 11.** Replace the ice retainer baffle.
- 12.** Turn Cycle Control Knob to "ON."

Filtering and Treating Water

In most areas it will be beneficial to filter or treat the water being supplied to the ice maker. It can improve the reliability of the machine, reduce water system maintenance and produce the best quality of ice.

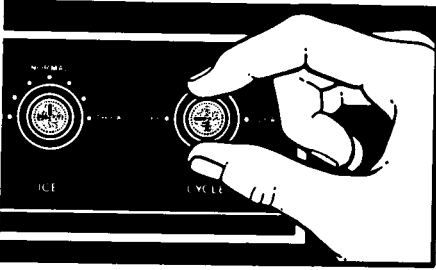
The installation of a polyphosphate filter will generally reduce scale build-up and the ice maker will require less frequent cleaning.

Municipal water systems are generally treated with chlorine to maintain a safe potable water supply. Activated carbon filters will sufficiently remove the residual chlorine from the water to reduce surface staining of stainless steel materials in the ice maker.

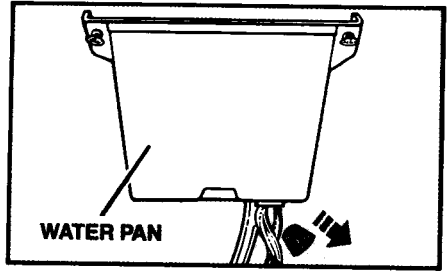
For information on filtering and treating the water, see the dealer from whom the ice maker was purchased, or an authorized KitchenAid service facility.

VACATION AND MOVING CARE

To shut down the ice maker:

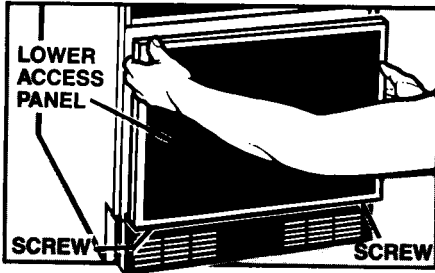


1. Turn the Cycle Control Knob to "OFF."
2. Remove all ice from storage bin.
3. Shut off the water supply.

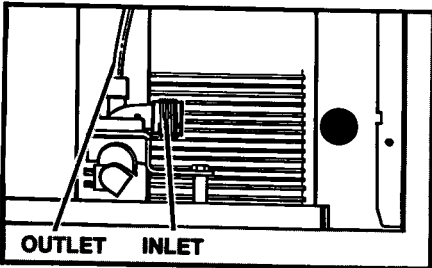


7. Remove water from drain lines and drain water pan if the unit will be subjected to freezing temperatures during shut down.
8. Before using again, clean the ice maker and storage bin.

IMPORTANT: All components of the ice maker are permanently lubricated at the factory. They should not require any additional oiling throughout the normal life of the machine.



4. Remove two screws from grille area of lower access panel, then remove the panel.



5. Disconnect the inlet and outlet lines to water valve. Allow these lines to drain and then reconnect to the valve.
6. Replace lower access panel and screws.

IF YOU NEED SERVICE OR ASSISTANCE

Follow These Steps

1. If your ice maker should fail to operate, review the following list before calling your dealer. You could save the cost of a service call.

Unit does not run:

- Cycle Control Knob must be in the "ON" position.
- Check to see that power cord is plugged in.
- Check for blown fuse or tripped circuit breaker in the electrical supply to the machine.
- Room temperature must be above 13°C (55°F). Otherwise, bin thermostat may sense cold room temperatures and shut off even though bin is not full of ice. Also, unit may not restart once it does shut off.

Unit runs but produces no ice:

- Cycle Control Knob must be in the "ON" position.
- Check water supply to make sure it is open.
- If ice maker is operated at an elevation of 610 meters (2000 feet) or more above sea level, both the bin thermostat and ice thickness thermostat need to be recalibrated. See "Installation Instructions."

Unit runs but produces very little ice:

- Room temperature may be extremely high, over 32°C (90°F). In this case, it is normal for ice production to be low.

- Dirt or lint may be blocking the air flow through the finned condenser. Condenser needs to be cleaned.
- Check to see if the unit has a scale build-up in water and freezing system. Clean, if necessary.

Grid is not cutting ice sheets:

- Check the grid harness plug to make sure the connection is secure.

Taste in ice cubes:

- There may be unusually high mineral contents in water supply. Water may need to be filtered or treated.
- Do not put any foods in the ice bin.
- Packaging material not all removed.

A more detailed "Trouble Diagnosis Chart" and other technical information is shipped with each unit and is located in the unit compartment section.

2. If the problem is not due to one of the above items, first call your dealer or the repair service he recommends.
 - All service should be handled locally by the dealer from whom you purchased the unit or an authorized KitchenAid service facility.

KitchenAid™

CONVERTIBLE ICE MAKER WARRANTY

LENGTH OF WARRANTY:	WARRANTY INCLUDES:	WARRANTY DOES NOT INCLUDE:
ONE YEAR FULL WARRANTY FROM DATE OF PURCHASE	Replacement parts and repair labor to correct defects in materials or workmanship. Service must be provided by an authorized KitchenAid service facility.	<p>A. Service calls to:</p> <ol style="list-style-type: none"> 1. Correct the installation of the ice maker. 2. Instruct you how to use the ice maker. 3. Replace fuses or correct wiring. 4. Correct plumbing. <p>B. Damage resulting from accident, alteration, misuse, abuse, improper installation or installation not in accordance with local electrical or plumbing codes.</p> <p>C. Pick up and delivery. This product is designed to be repaired on site.</p>

KITCHENAID DOES NOT ASSUME ANY RESPONSIBILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

HOW TO ARRANGE FOR SERVICE

If you need service, first see the "Service and Assistance" section of this book. After checking "Service and Assistance," additional help can be found by contacting the dealer from whom the unit was purchased, or an authorized KitchenAid service facility.

KitchenAid Overseas Group
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