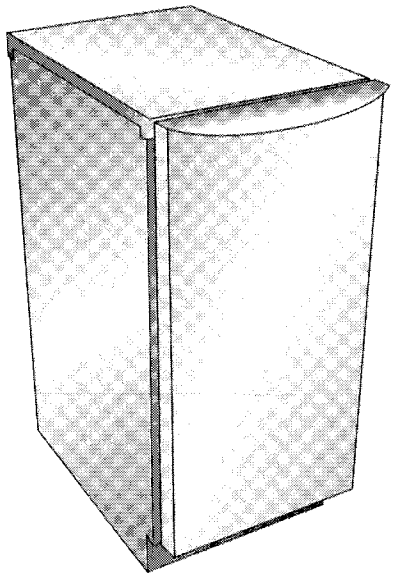
GE Consumer Service Training

TECHNICAL SERVICE GUIDE

Monogram™

15" ICEMAKER



MODEL: ZDI15C
ZDIS15C

PUB # 31-9030 06/99

IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with it's use.

CAUTION

To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.

RECONNECT ALL GROUNDING DEVICES

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

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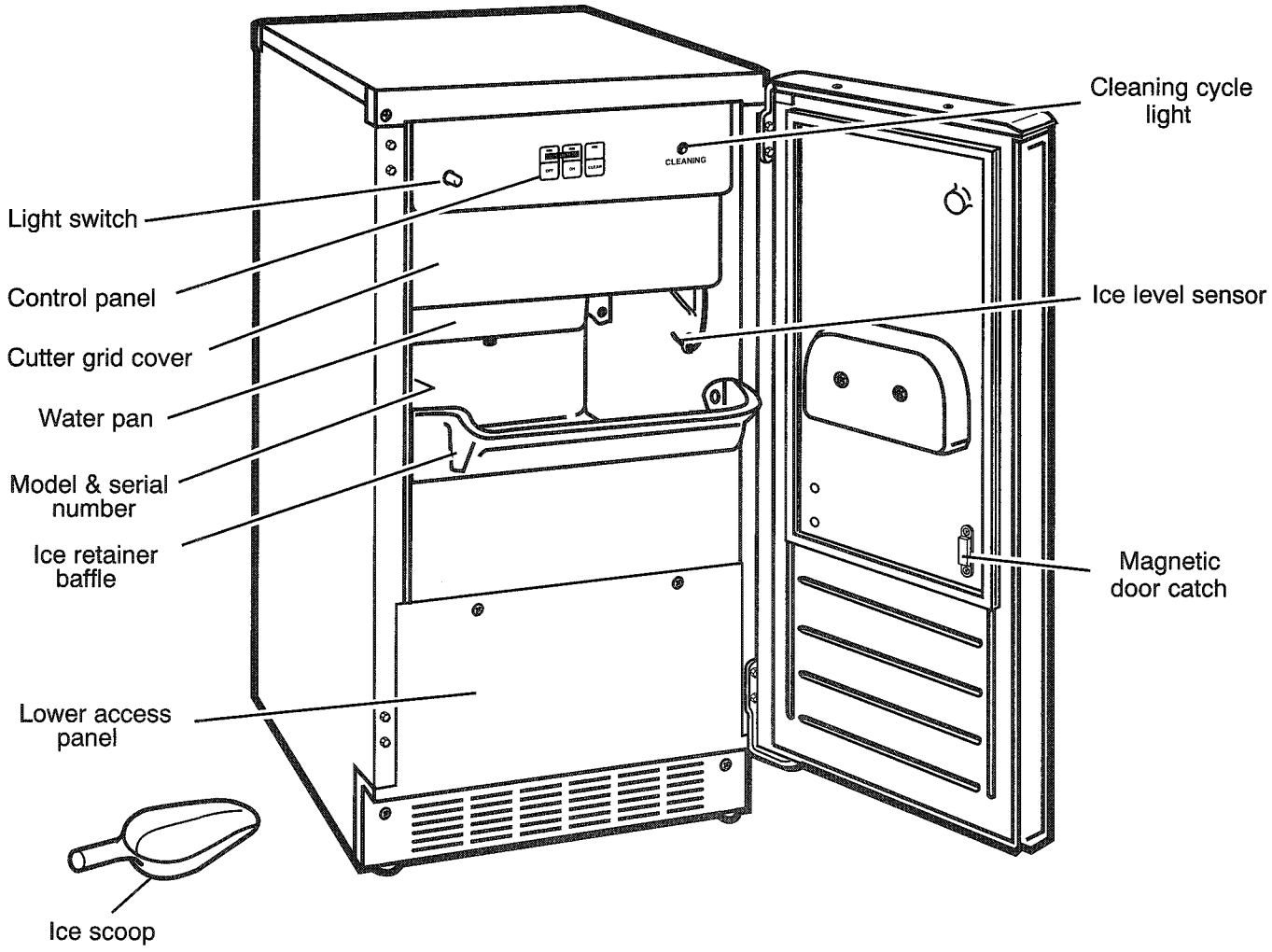
SECTION ONE
FEATURES



NOTE: The model and serial are located on the left wall of the ice storage bin.

The mini manual is located behind the lower access panel.

SECTION TWO
INSTALLATION

LOCATION

The ice maker may be closed in on the top, rear and two sides. The front **MUST BE** unobstructed for proper air circulation and operation.

Installation should be such that the unit can be moved forward for servicing.

The installed area should be well ventilated, with ambient temperatures above 55°F (13°C) and below 110°F (43°C). **BEST RESULTS ARE OBTAINED BETWEEN 70°F (21°C) AND 90°F (32°C).**

The ice maker **MUST BE** installed in an area protected from the elements, such as wind, rain, water spray or drips.

Provisions for electricity, water supply and drainage should be determined prior to installation.

ELECTRICAL REQUIREMENTS

The ice maker requires an electrical branch circuit of 120 VAC, 60 Hz, single phase 15 amp. delayed action fuse or circuit breaker.

It is recommended that the ice maker is the only appliance plugged into the receptacle. Do not use an extension cord. Do not use a receptacle that is controlled by a wall switch.

ELECTRICAL GROUND IS REQUIRED ON THIS APPLIANCE. DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE POWER SUPPLY CORD GROUND PRONG.

WATER CONNECTION REQUIREMENTS

Materials needed for installation:

- ¼" OD copper tubing
- ¼" outlet, saddle-type shut-off valve
- ¼" x ¼" tube union

DRAIN CONNECTION REQUIREMENTS

The ice maker is equipped with a gravity drain. An internal drain pump is optional and can be installed separately.

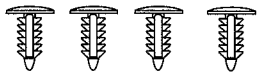
The ideal installation has a standpipe (minimum 1¼" diameter) installed directly below the outlet of the drain tube.

REVERSING THE DOOR SWING

TOOLS NEEDED:

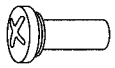
5/16" wrench, 1/4" wrench, flat putty knife, Phillips screw driver

Parts Supplied:



Four plug buttons

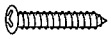
Parts Identification: (For Reference Only)



Hinge Pin

Handle Screw

5/16" Hex Head Hinge Screw



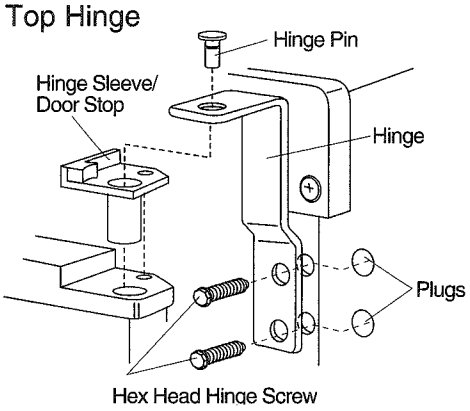
Endcap Screw

IMPORTANT: Before you begin, unplug the icemaker or disconnect power.

To remove door from hinges:

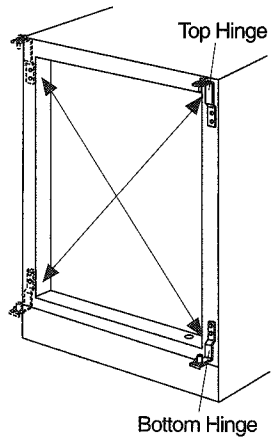
1. Remove the handle screws and lift off the handle (on some models). Keep the parts together and set them aside.
2. Remove the hinge pin from the top hinge.
3. Lift the door off of the bottom hinge. Place the hinge pin back into the top hinge.
4. Reverse the door endcaps as follows:
   - Remove the screws and endcaps from the door, top and bottom.
   - Place the top endcap on the bottom of the opposite side of the door with the long flat side facing the door front.
   - Place the bottom endcap on the top of the opposite side of the door with the long flat side facing the door front.
5. Set the door aside.

Top Hinge

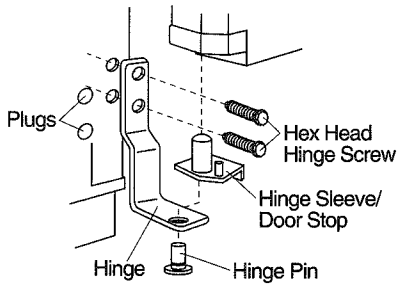


To reverse the hinges:

1. Using a flat putty knife, remove the plug buttons from the screw holes opposite of the door hinges, top and bottom. Set aside.
2. Remove the two screws holding the top hinge. Turn the hinge upside down so that the hinge pin points up. Place the hinge on the opposite side at the bottom of the door.
3. Remove the plastic hinge sleeve from the "old" bottom hinge and replace it on the new bottom hinge pin.
4. Remove the bottom hinge. Turn the hinge upside down so that the hinge pin points down. Place the hinge on the opposite side at the top of the door.
5. Push the plug buttons into the original screw holes.
6. Remove the top hinge pin.



Bottom Hinge

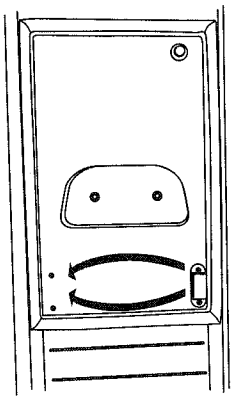


To replace door on hinges:

1. Place plastic hinge sleeve on bottom hinge and position the door on the pin.
2. Place plastic hinge sleeve in the top hinge hole on the door. Align the door on the bottom hinge and replace the top hinge pin.
3. Replace the handle and handle screws.

To reverse the door catch:

1. Remove the plugs buttons from the opposite side of the door.
2. Remove the screws from the magnetic door catch and replace it on the opposite side of the door.
3. Push the plug buttons into place on the opposite side of the door.



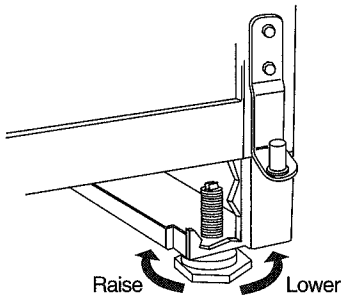
Reverse Door Catch Position

FRONT LEVELING LEGS

Your icemaker has 2 adjustable leveling legs to help you steady the product and make sure it is level.

1. Place a carpenter's level on top of the icemaker to make sure it is level from front to back and side to side.
2. Lift the top front of the icemaker to locate the leveling screws that are on the bottom front.
3. Using an adjustable wrench, change the height of the legs as follows:
   - Turn the leveling leg to the right to lower that side of the icemaker.
   - Turn the leveling leg to the left to raise that side of the icemaker.

NOTE: The icemaker should not wobble. Use shims to add stability when needed.



4. Use a carpenter's level to make sure the icemaker is even from front to back and side to side.

SECTION THREE
THEORY OF OPERATION

When you first start your icemaker, the water pan will fill and the system will rinse itself before starting to make ice. The rinsing process takes about five minutes.

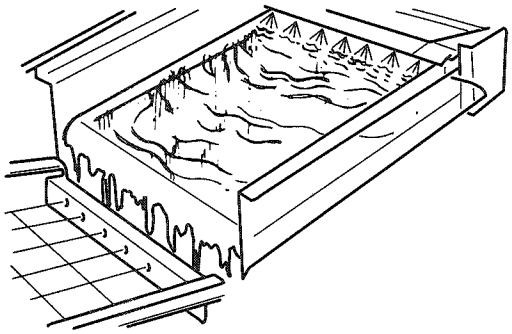
Under normal operating conditions, the ice-maker will cycle at preset temperatures. The ice level sensor located in the ice storage bin will monitor the ice levels.

IMPORTANT

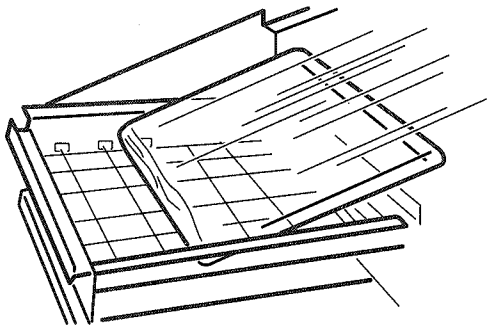
- If the water supply to the icemaker is turned off, be sure to set the icemaker control to OFF.
- The icemaker is designed to make clear ice from the majority of water sources on a daily basis. If your results are unsatisfactory, your water may need to be filtered or treated.

Making Ice

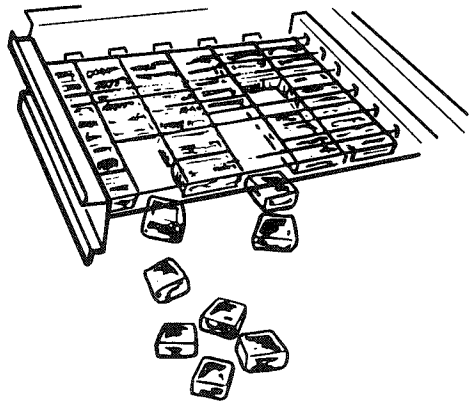
1. Water is constantly circulated over a freezing plate. As the water freezes into ice, the minerals in the water are rejected. This produces a clear sheet of ice with a low mineral content.



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 icemaker shuts off automatically and restarts when more ice is needed. The ice bin is not refrigerated and some melting will occur. The amount of melting varies with room temperature.



NOTE: As the room and water temperatures vary, so will the amount of ice produced and stored. This means that higher operating temperatures result in reduced ice production.

OPERATING SYSTEMS

There are three operating systems in the ice maker:

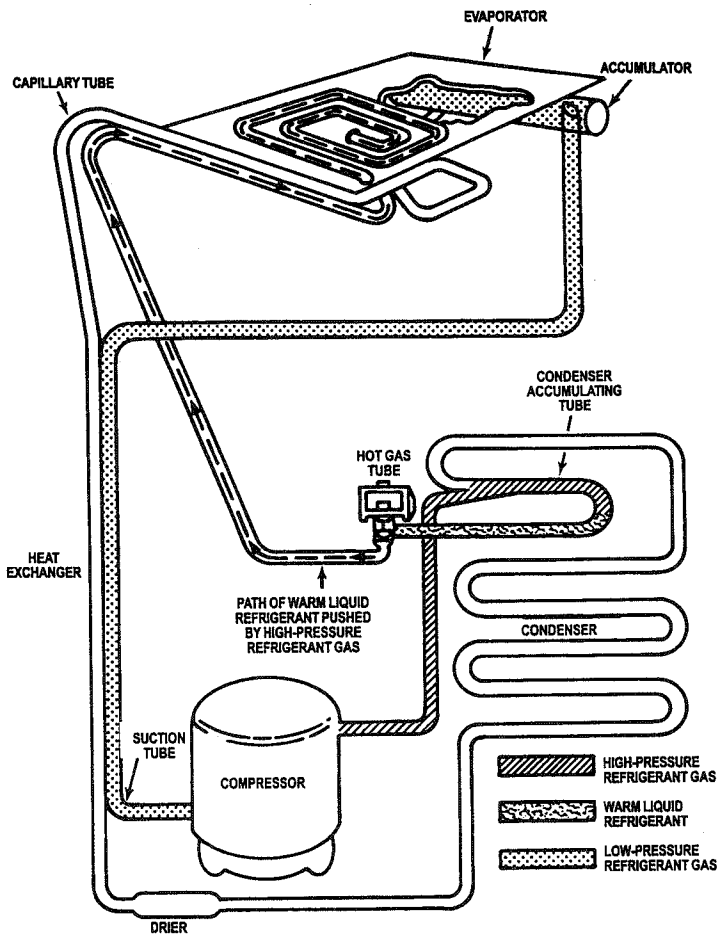
- **Refrigeration System**
- **Water System**
- **Electrical System**

Refrigeration System

The refrigeration system in the ice maker is very similar to the system used in other refrigeration appliances such as a refrigerator or freezer.

There are two very important additions to the refrigeration system in the ice maker:

- **Hot Gas Valve** - This valve allows high pressure refrigerant gas to bypass the condenser and flow through the condenser accumulator tube.
- **Condenser Accumulator Tube** - the hot gas pushes liquid refrigerant in the accumulator tube into the evaporator, helping to evenly heat the evaporator plate so the ice slab releases quickly and evenly.

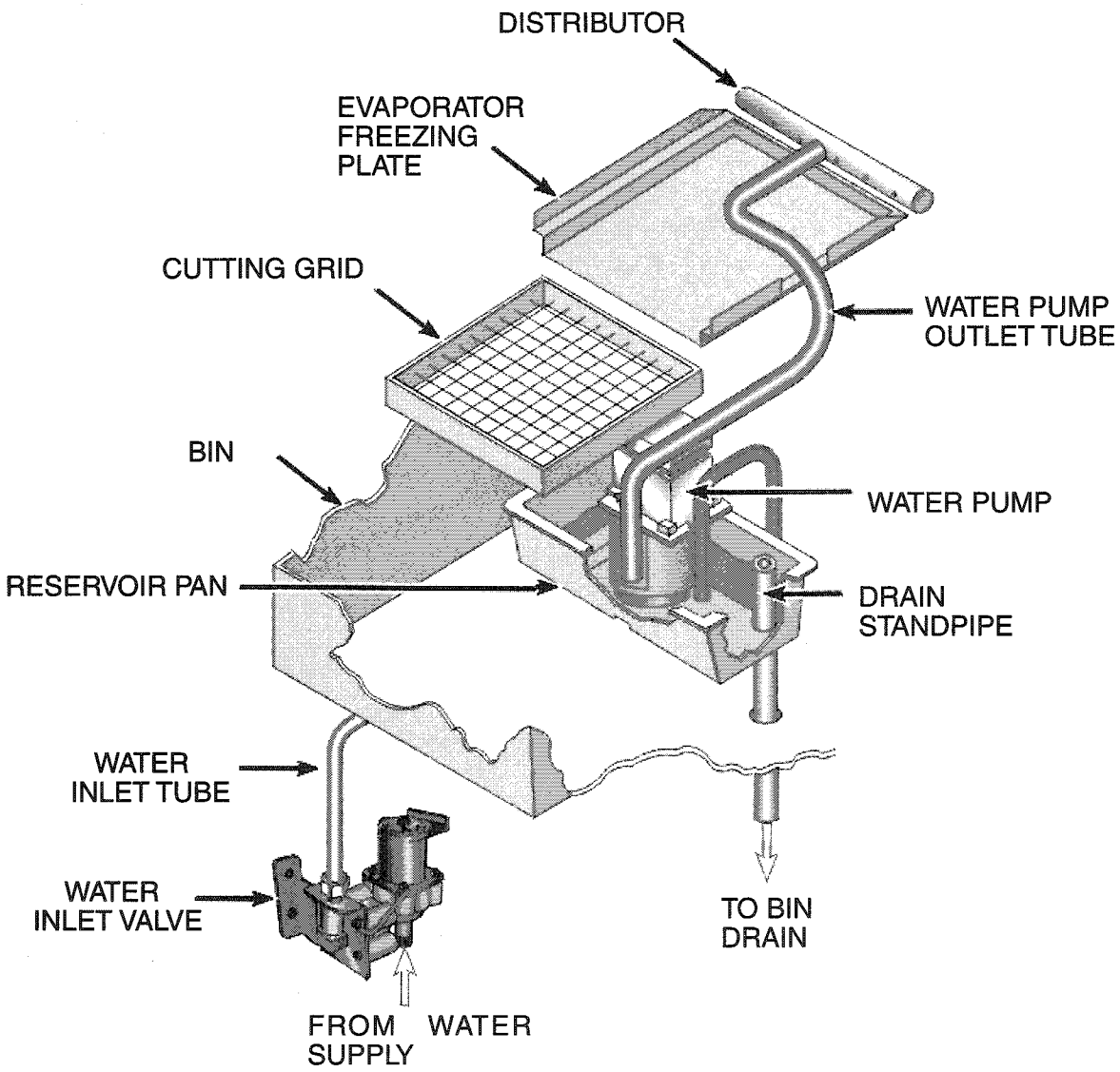


Water System

The water system provides the fresh water necessary for ice production and recycling this water as ice is produced. The water system also flushes away rejected minerals and contaminates, circulates cleaning solution during the CLEAN CYCLE and provides a means of drainage.

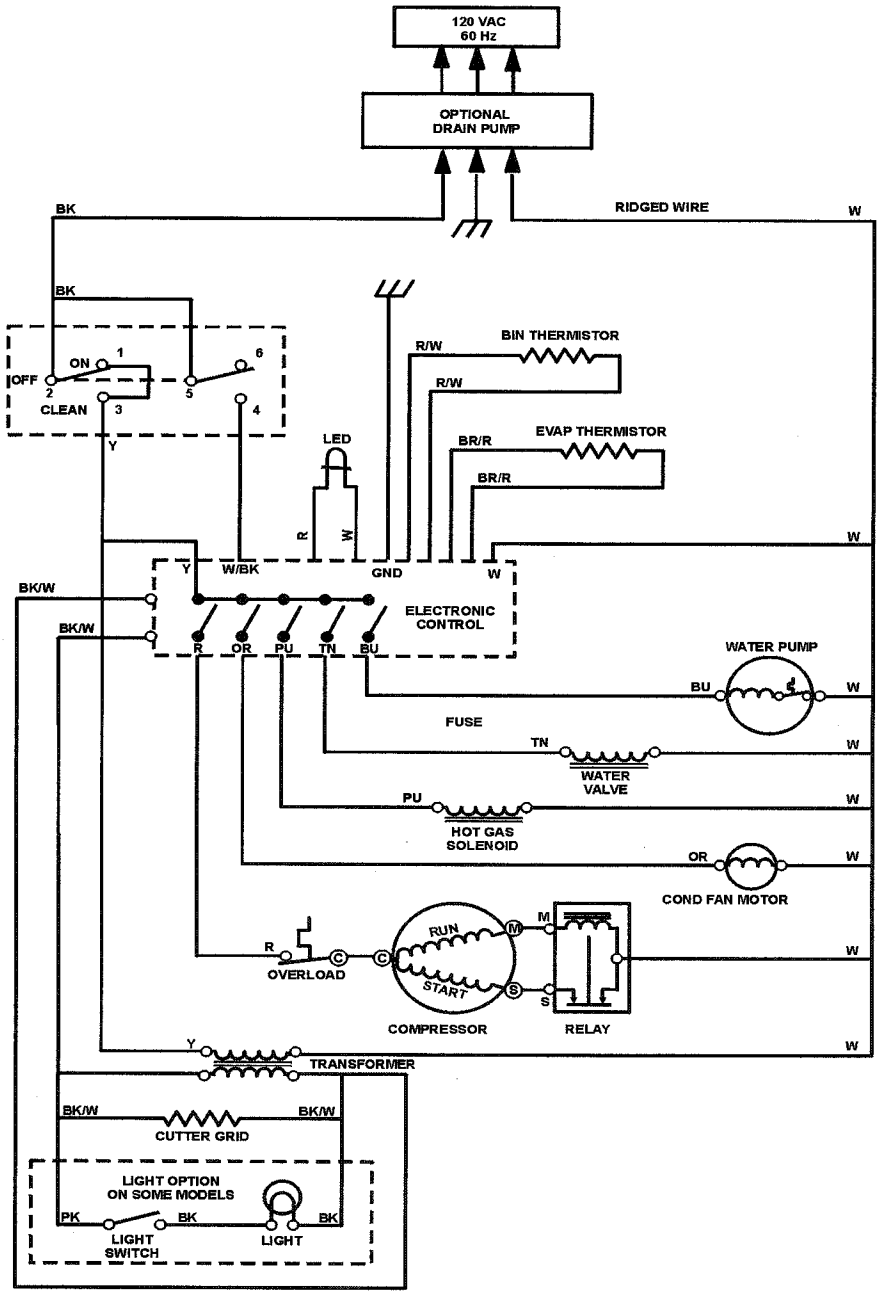
The hardness of the water supplied to the ice maker will affect the quality of the ice produced and may also affect the operation of the water system. (See Chart in Section Five, **TROUBLESHOOTING and DIAGNOSTICS**, page 17.)

A water softener or polyphosphate feeder will not cure all the problems associated with hard water, but they can be used to reduce scale buildup in the ice maker. **NOTE:** Some polyphosphate feeders will cause a slime buildup in the water system when the water supply has a low mineral content.



ELECTRICAL SYSTEM

The ice maker's electrical system provides power for the refrigeration and water systems to operate, and controls the operational cycling of the ice maker.



OPERATIONAL CYCLES

There are three operational cycles of the ice maker:

- **ICE MAKING CYCLE**
- **HARVEST CYCLE**
- **DIAGNOSTIC/CLEAN CYCLE**

In addition, there are two operational **OFF** cycles of the ice maker:

- **OFF CYCLE** when the bin is full of ice and the service control switch is turned **"ON"**.
- **OFF CYCLE** when the bin is full and the service control switch is turned **"OFF"** while power is still supplied to the unit.

Table 1-1 shows how the electronic control board controls the various components and systems in the ice maker for each of the **ICE MAKING CYCLE** and **HARVEST CYCLE.**

When the ice maker's service control switch is in the **"ON"** position, and the bin is not full of ice, the evaporator thermistor determines whether the unit will be in the **ICE MAKING CYCLE** or the **HARVEST CYCLE.**

ON CYCLE							
	POWER ON START UP ONLY			OPERATION			
SECONDS	120	60	120	ICE MAKING	HARVEST	ICE BIN FULL	*ICE BIN NOT FULL
				>6.5°F	<52°F	<35°F	>41°F
WATER VALVE							
CONDENSER FAN							
HOT GAS VALVE							
WATER PUMP							
COMPRESSOR							

Table 1-1

Table 1-2 show how the electronic control board controls the various components and systems during the **DIAGNOSTIC/CLEAN CYCLE**.

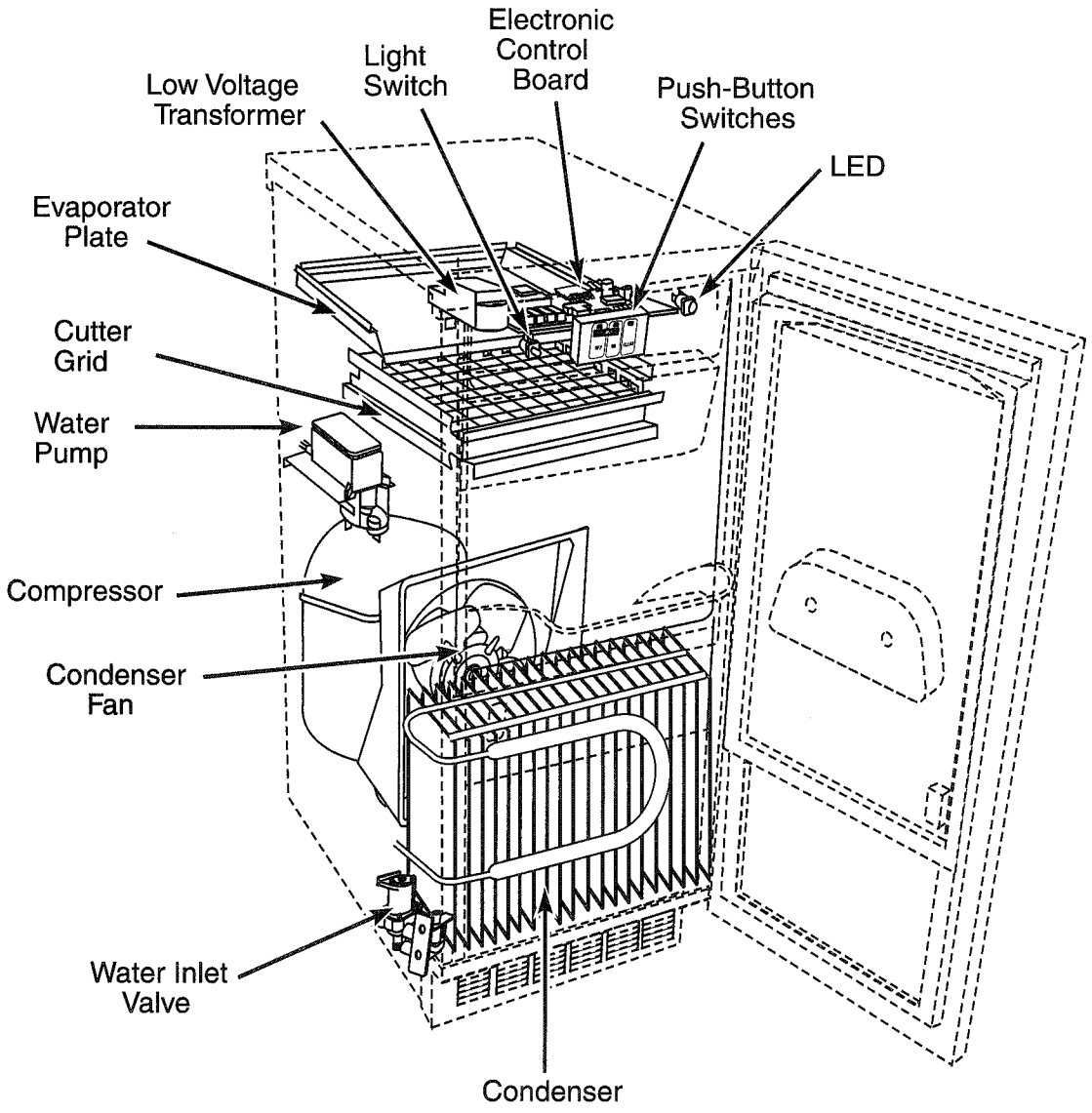
CLEAN CYCLE						
	*DIAGNOSTICS**					CLEAN CYCLE 47 MINUTES
SECONDS	5	5	5	5	5	
WATER VALVE						
CONDENSER FAN						
HOT GAS VALVE						
WATER PUMP						
COMPRESSOR						
LED						

The first 25 seconds of this cycle will operate each one of the electrical components for five (5) seconds each.

Table 1-2

SECTION FOUR
COMPONENT ACCESS

COMPONENT LOCATION



ACCESSING COMPONENTS IN THE CONTROL BOX

Models with Full Length Doors

The control box is located behind the door on automatic ice makers with full length doors. *(Fig. 3-1)*

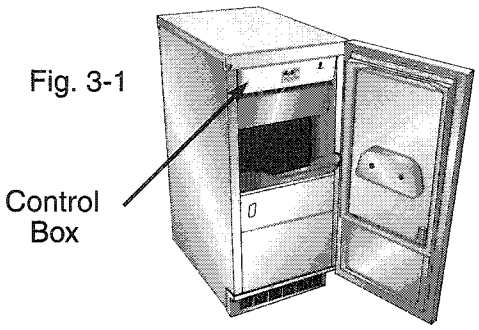


Fig. 3-1

Removing the Control Box

1. Remove the three (3) Phillips-Head screws securing the cutter grid cover to the cutter grid. *(Fig. 3-2)*

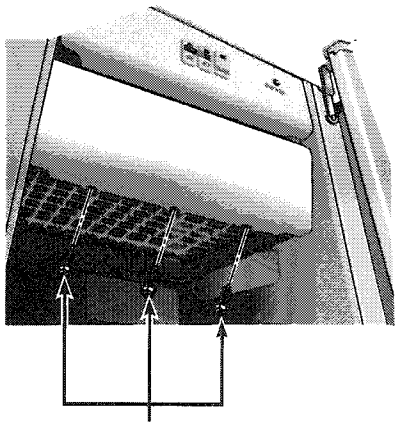


Fig. 3-2

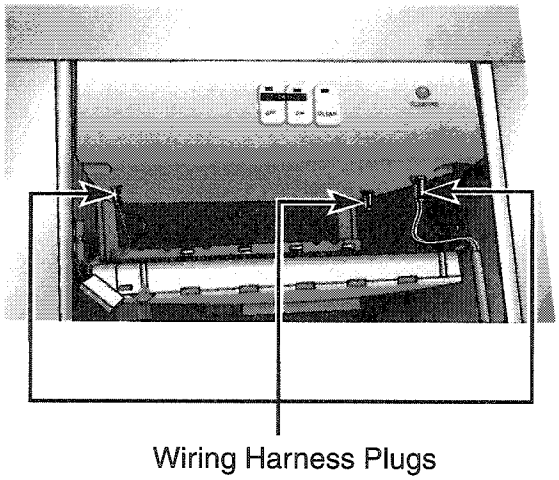


Fig. 3-3

2. Disconnect the three wiring harness plugs from the connectors at the bottom of the control box. *(Fig. 3-3)*

3. Remove the Hex-Head screw securing the cutter grid mounting bracket to the right side of the cabinet liner. *(Fig. 3-4)*

4. Loosen, but do not remove the Hex-Head screws securing the cutter grid mounting bracket to the left side of the cabinet liner. *(Fig. 3-4)* Then, lift the front of the cutter grid up to release the Hex-Head screw from the key slot in the left side mounting bracket and pull the cutter grid from the cabinet.

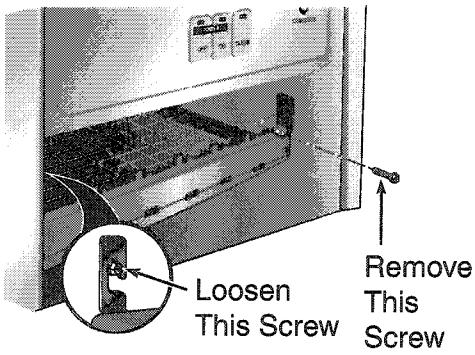


Fig. 3-4

5. Remove the four (4) Hex-Head screws securing the control box to the top of the ice maker cabinet. *(Fig. 3-5)*

NOTE: The screws at the front of the control box are recessed.

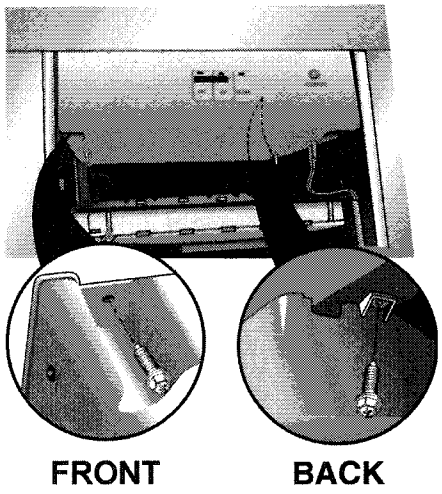


Fig. 3-5

6. The control box can now be lowered into the service position. *(Fig. 3-6)*

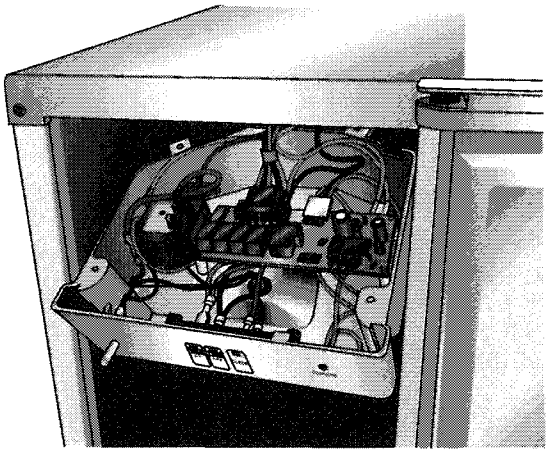


Fig. 3-6

Removing the Electronic Control Board

1. With the control box in the service position, disconnect the three (3) wiring harness plugs from the connectors on the electronic control board. *(Fig. 3-9)*

2. Remove the two (2) Hex-Head screws securing the electronic control board to the mounting stubs in the control box. *(Fig. 3-9)*

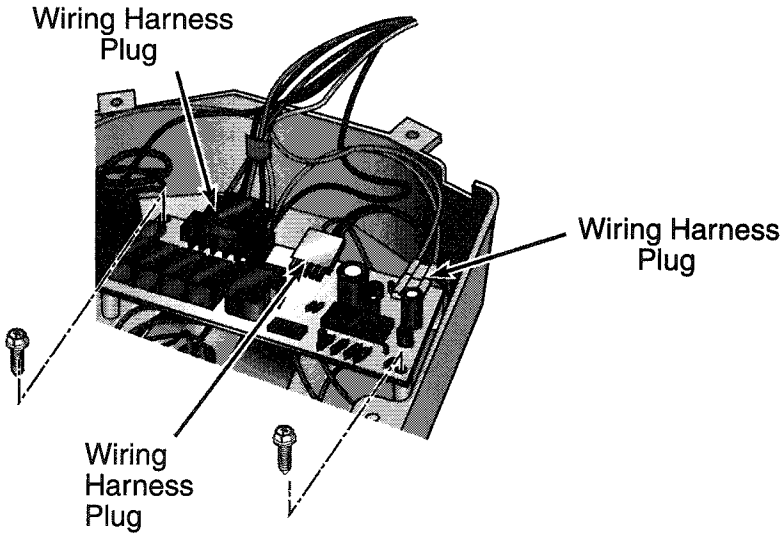


Fig. 3-9

Removing the Push Button Switch Assembly

The push button switch assembly can be removed with the control box remaining in the service position.

1. Disconnect the wires from the switch assembly terminals.

2. Remove the decorative overlay from the front of the control box. *(Fig. 3-10)*

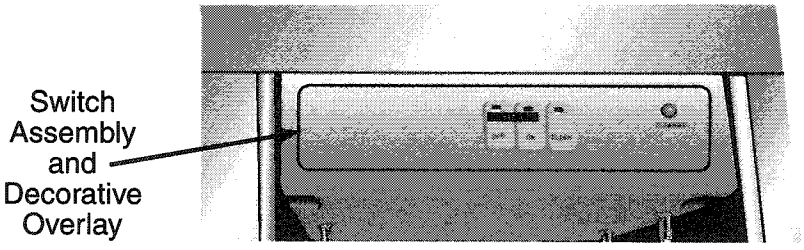


Fig. 3-10

3. Press in on the four locking tabs at the back of the switch assembly and push the entire switch assembly and decorative overlay from the control box.

NOTE: If the push button switch assembly must be replaced, the service replacement assembly must be ordered by using the specific model number of the ice maker. The service replacement switch assembly comes with a new decorative overlay.

ACCESSING COMPONENTS INSIDE THE CABINET

Removing the Cutter Grid

1. Remove the three (3) Phillips-Head screws securing the cutter grid cover to the cutter grid frame. *(Fig. 3-11)*

2. Disconnect the three wire plugs from the connectors on the bottom of the control box. *(Fig. 3-12)*

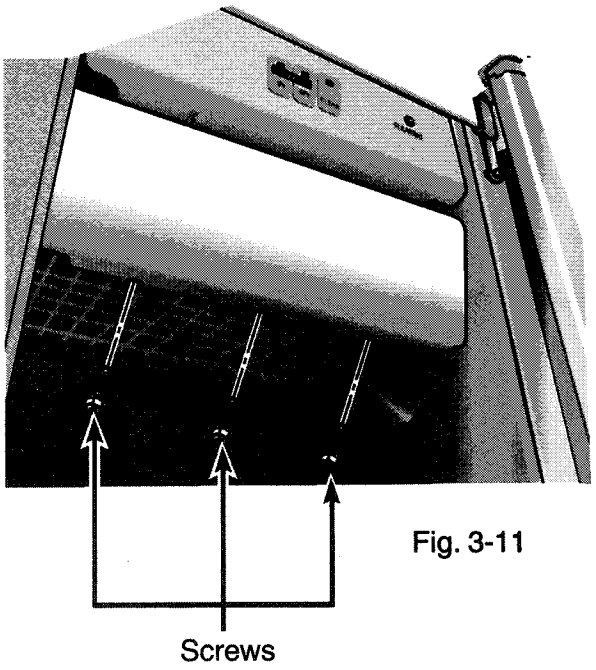


Fig. 3-11

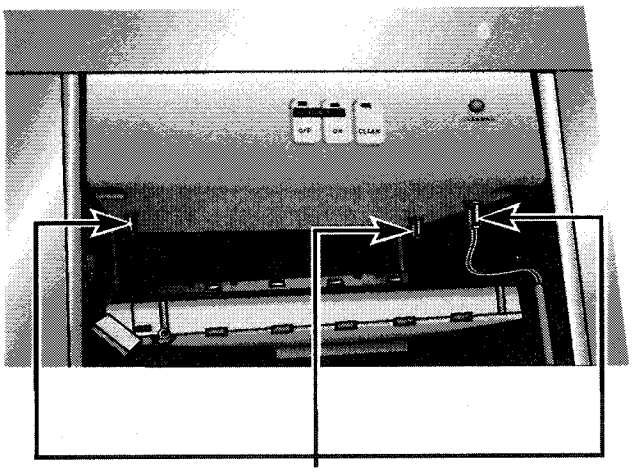


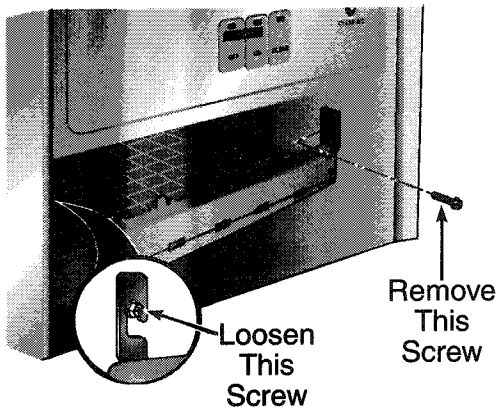
Fig. 3-12

3. Remove the Hex-Head screw securing the cutter grid mounting bracket to the right side of the cabinet liner. *(Fig. 3-13)*

4. Loosen, but do not remove the Hex-Head screws securing the cutter grid mounting bracket to the left side of the cabinet liner. *(Fig. 3-13)* Then, lift the front of the cutter grid up to release the Hex-Head screw from the key slot in the left side mounting bracket and pull the cutter grid from the cabinet.

Once the cutter grid is removed, the water circulating pump, water reservoir and water distributor tube are accessible.

Fig. 3-13



ACCESSING THE COMPONENT COMPARTMENT

1. Pull the ice maker from its installed position. It may be necessary to disconnect the water supply line to the ice maker.

2. Open the ice maker door and remove the four (4) Phillips-Head screws securing the component compartment front cover to the cabinet. *(Fig. 3-14)*

3. Turn the front leveling legs out until they disengage from the cabinet. *(Fig. 3-14)*

4. Remove the two (2) bolts securing the component compartment base to the cabinet.

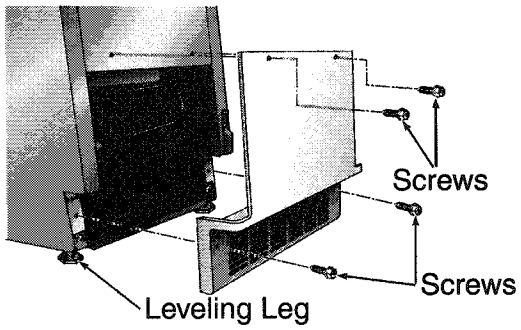
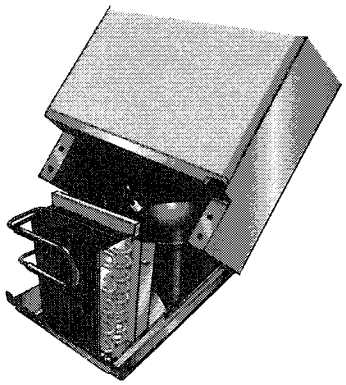


Fig. 3-14

5. Tilt the entire ice maker cabinet back far enough to gain access to the component compartment. *(Fig. 3-15)* Be careful not to kink any of the sealed system tubing or pinch any wiring while tilting the cabinet backward.

NOTE: Secure the cabinet to avoid any possibility that it will tip back any further or fall down while repairs are being performed.

Fig. 3-15



Removing the Condenser Fan

1. Remove the two (2) Hex-Head screws securing the condenser fan assembly to the condenser and the two (2) Hex-Head screws securing the condenser fan assembly to the component compartment base. *(Fig. 3-16)*

2. Remove the three (3) hex-Head screws securing the fan motor to the fan bracket. *(Fig. 3-17)*

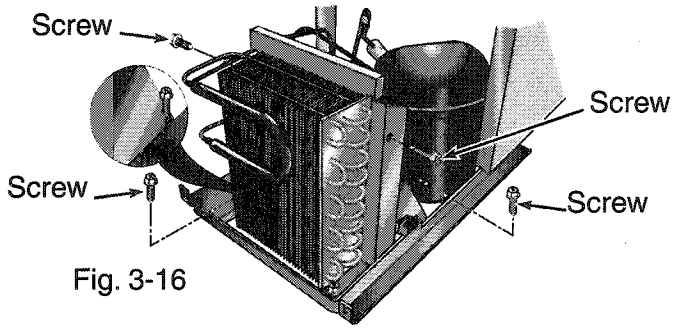
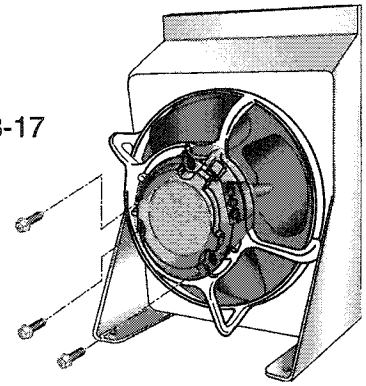


Fig. 3-16

Fig. 3-17



Removing the Water Valve

The water valve can be serviced with the unit in the installed position by removing the component compartment cover.

1. Disconnect the wiring harness connector from the water valve solenoid terminals.

2. Disconnect the water supply lines from the inlet and outlet of the water valve.

> **NOTE:** Water may be present in these lines. Have a small pail available to bleed lines.

3. Remove the two (2) Hex-Head screws securing the water valve to the side of the cabinet liner. *(Fig. 3-18)*

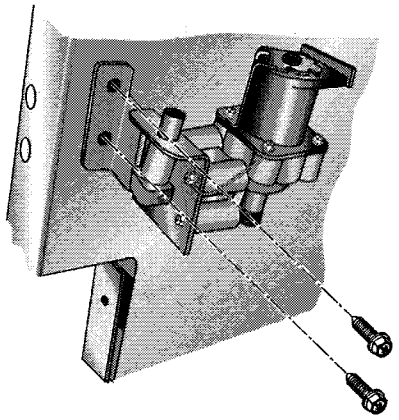


Fig. 3-18

Removing the Hot Gas Solenoid

1. Disconnect the wiring harness plug from the solenoid terminals.

2. Remove the Hex-Head screw securing the solenoid to the mounting bracket. *(Fig. 3-19)*

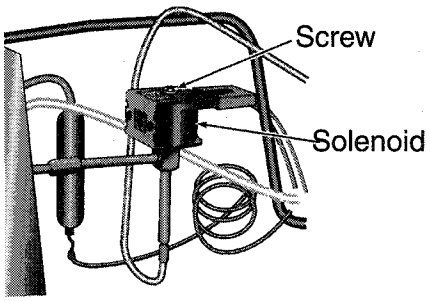


Fig. 2-19

SECTION FIVE
TROUBLESHOOTING AND DIAGNOSTICS

WATER AND ITS EFFECT ON ICE MAKING

Quality ice is defined as hard, clear, cold and free of taste or odor. All ice makers will provide this type of quality ice only if the water used to produce the ice is pure and free of mineral or chemical contamination. The chart below helps diagnose problems that can affect ice production.

AFFECT ON ICE QUALITY

INGREDIENT	EFFECT	CORRECTION
Algae	Objectionable Taste and Odor	Carbon Filter
Minerals: Sodium Potassium Magnesium Calcium	Cloudy Ice Slow Cutting Refreezing	1. Check for water flow restriction 2. Polyphosphate feeder or water softener 3. Change water source

AFFECT ON ICE MAKER

INGREDIENT	EFFECT	CORRECTION
Iron Chlorine Manganese	Staining (Aesthetics only)	1. Citric acid, liquid or nickelsafe ice machine cleaner 2. Water softener AND iron filter
Permanent Hardness Calcium or Magnesium Sulfates Chlorides Nitrates	Scale	1. Abrasive cleaning 2. Polyphosphate feeder or water softener reduces or eliminates need for abrasive cleaning
Temporary Hardness Calcium or Magnesium Carbonates	Scale	1. Liquid or nickel safe ice machine cleaner 2. Polyphosphate feeder or water softener reduces frequency of cleaning by 50%

RECOMMENDATIONS:

Water softeners or polyphosphate feeders are not cure-alls, but do reduce and, in some cases,, prevent scale buildup. They are particularly effective in controlling sulfate scale, which is rocklike and can be removed only by sanding, scraping or chiseling.

CAUTION: Some polyphosphate feeders cause slime buildup. Their use in low mineral content water should be carefully considered.

USE AND CARE PROBLEM SOLVING

ICEMAKER DOES NOT OPERATE	• Power cord is not plugged into a live outlet. • The control is set at OFF. • The fuse is blown/circuit breaker is tripped. Replace fuse or reset the breaker. • Room temperature is colder than normal. Room temperature must be above 55° F (13° C). Otherwise, bin thermostat may sense cold room temperature and shut off even though the bin is not full of ice. Also, unit may not restart once it does shut off.
ICE CUBES HAVE ODOR/TASTE	• High mineral content in the water supply. Water may need to be filtered or treated. • Food items stored in ice bin. Do not store any foods in the ice bin. • Packaging materials were not removed. Make sure that all packaging materials were removed at the time of installation. • Ice storage bin needs cleaning.
ICEMAKER IS ON BUT DOESN'T PRODUCE ICE	• The control is set at OFF. • Water supply is not connected. • Condenser is dirty. Dirt or lint may be blocking the airflow through the condenser. • Scale has built up in the icemaker. If there is white scale buildup in the icemaker's water or freezing system, you should clean the icemaker.
ICEMAKER IS ON BUT PRODUCES LITTLE ICE	• Room temperature is too hot. Room temperatures of more than 90° F (32° C) will normally reduce ice production. • Condenser is dirty. Dirt or lint may be blocking the airflow through the condenser. • Scale has built up in the icemaker. If there is white scale buildup in the icemaker's water or freezing system, you should clean the icemaker.
GRID IS NOT CUTTING ICE SHEETS	• Cutter grid is not securely in place. Unplug the icemaker or disconnect power. Remove the cutter grid cover and check the cutter grid harness plug to make sure the connection is secure.

SERVICING INFORMATION

SERVICEABLE ELECTRICAL COMPONENTS			
SERVICEABLE PARTS	Part No.	Wattage	Resistance
COMPRESSOR	WR87X0498	244	
Run Winding			1 - 5Ω
Start Winding			3 - 11Ω
RELAY	WR07X0256		
OVERLOAD	WR08X0200		
WATER PUMP		26 - 30	16Ω
WATER VALVE	WR57X10027	12 nom.	280Ω
SOLENOID COIL (HGV)	WR62X0098	7 - 9	370Ω
THERMISTOR (Bin)	WR55X10018		10KΩ @77°F
THERMISTOR (Evap)	WR55X10017		10KΩ @77°F
PC BOARD	WR55X10020	23	
TRANSFORMER	WR62X10015	40	18Ω secondary
FAN MOTOR	WR60X10031	12 - 15	180Ω

1. Refrigerant charge must be applied to the high side only.

2. This unit operates on 120 VAC except for the cutter gird, electronic control board and optional light, which operate at 8.7 VDC.

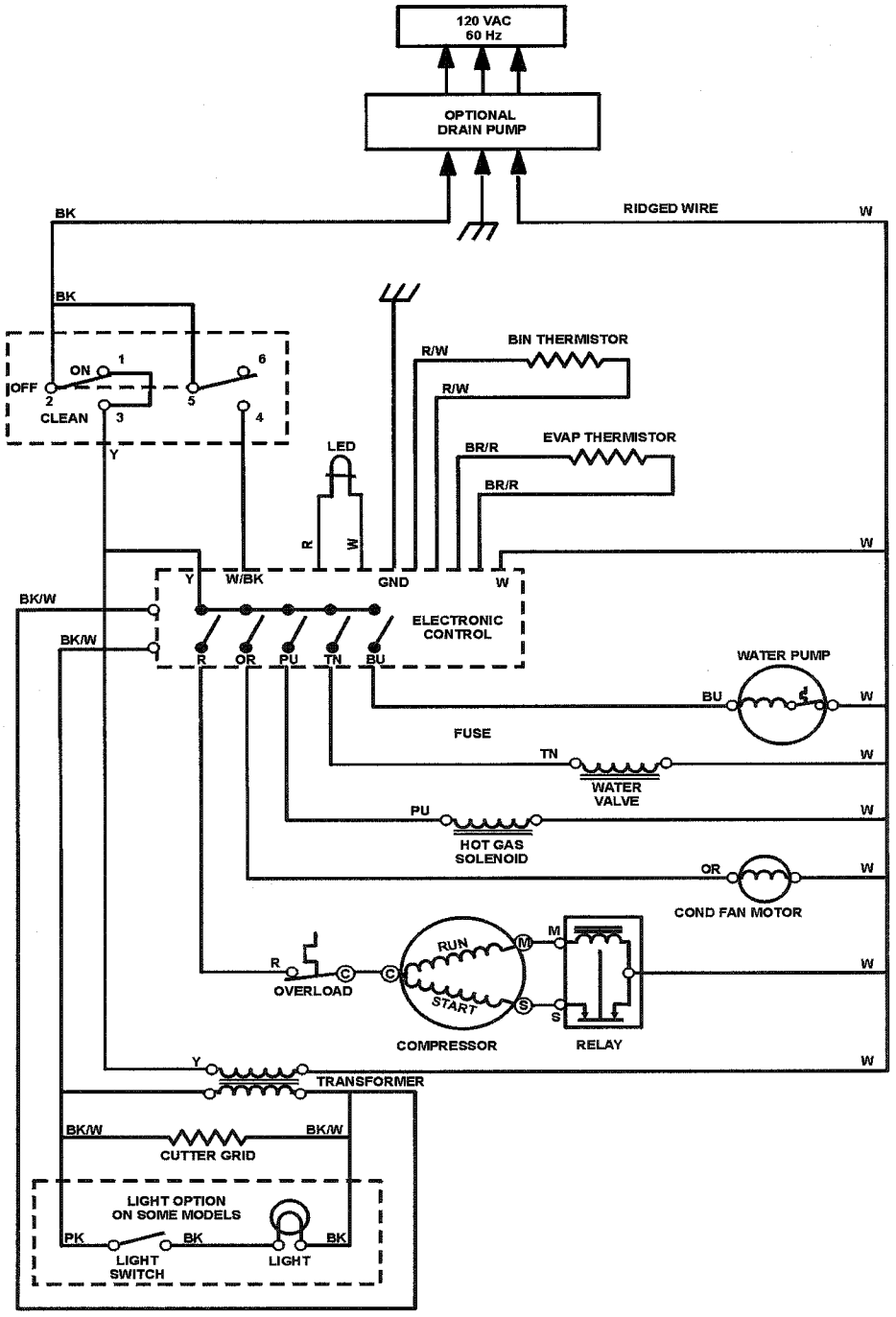
3. The transformer, cutter grid and electronic control board remain energized in **ON** and **CLEAN** modes.

THERMISTOR OPERATING PARAMETERS

EVAPORATOR THERMISTOR						
	CUT-IN		CUT-OUT		WATER VALVE OFF (during harvest)	
ICE THICKNESS	Temperature	Resistance	Temperature	Resistance	Temperature	Resistance
NORMAL	52.5°F ± .3°	18.7kΩ ± 1%	6.5°F ± .3°	69.3kΩ ± 1%	40°F ± .3°	25.9kΩ ± 1%
THICK	52.5°F ± .3°	18.7kΩ ± 1%	4.5°F ± .3°	73.5kΩ ± 1%	40°F ± .3°	25.9kΩ ± 1%
THIN	52.5°F ± .3°	18.7kΩ ± 1%	8.5°F ± .3°	65.3kΩ ± 1%	40°F ± .3°	25.9kΩ ± 1%

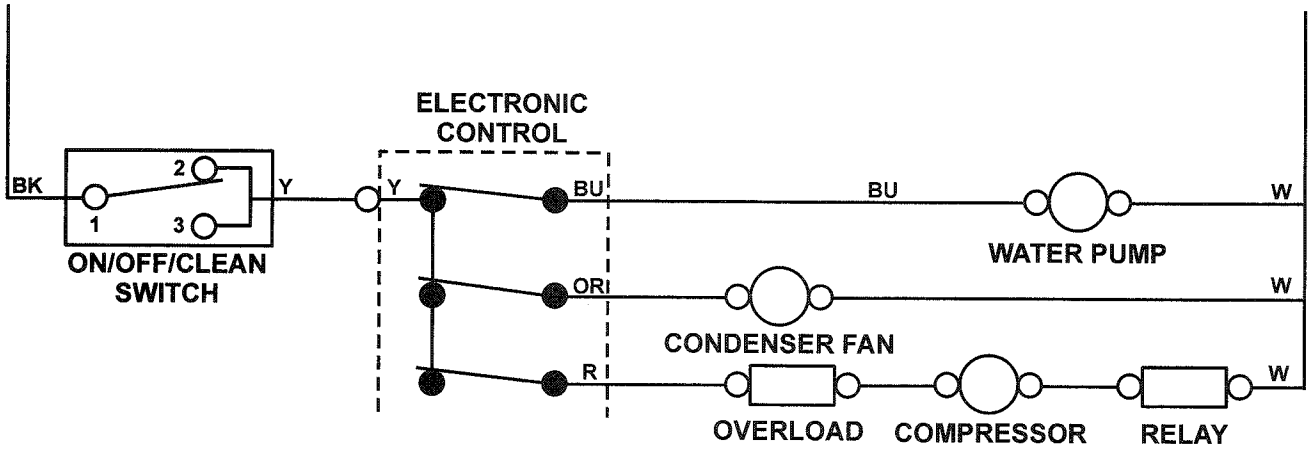
ICE BIN THERMISTOR				
	Temperature	Resistance	Temperature	Resistance
BIN SHUT-OFF	40°F ± 1°	25.9kΩ ± 3%	35°F ± 1°	29.8kΩ ± 3%

WIRING DIAGRAM

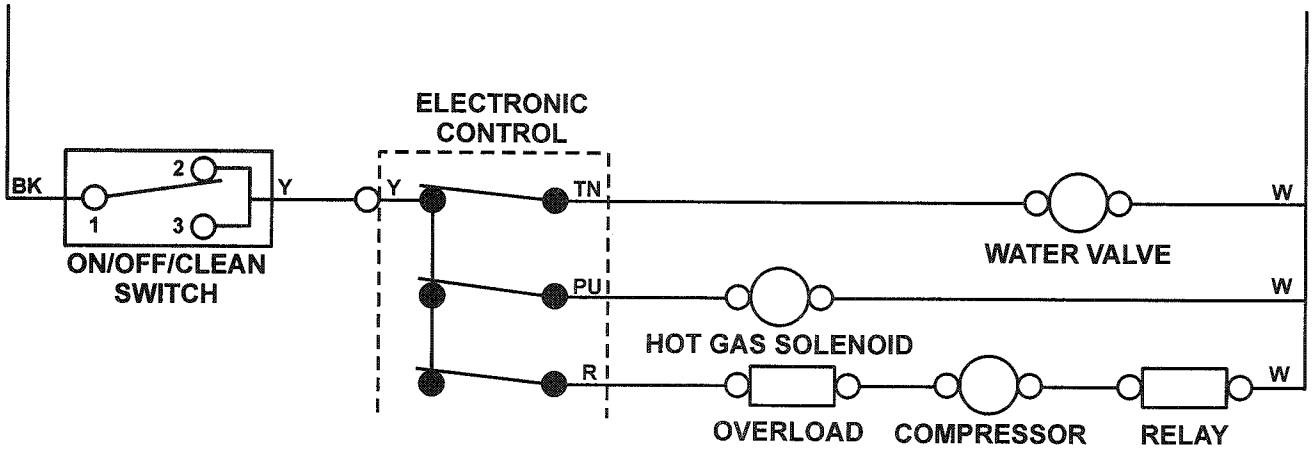


STRIP CIRCUITS

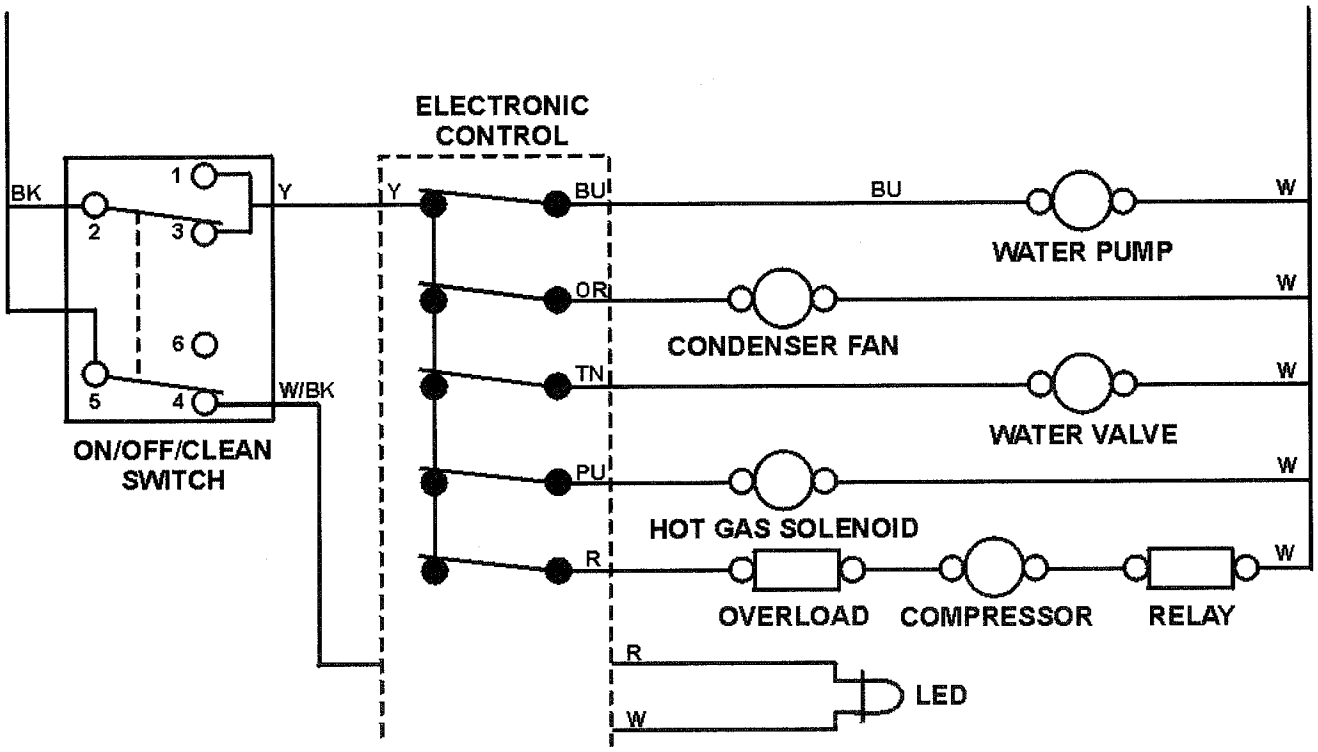
1. Ice Making Mode



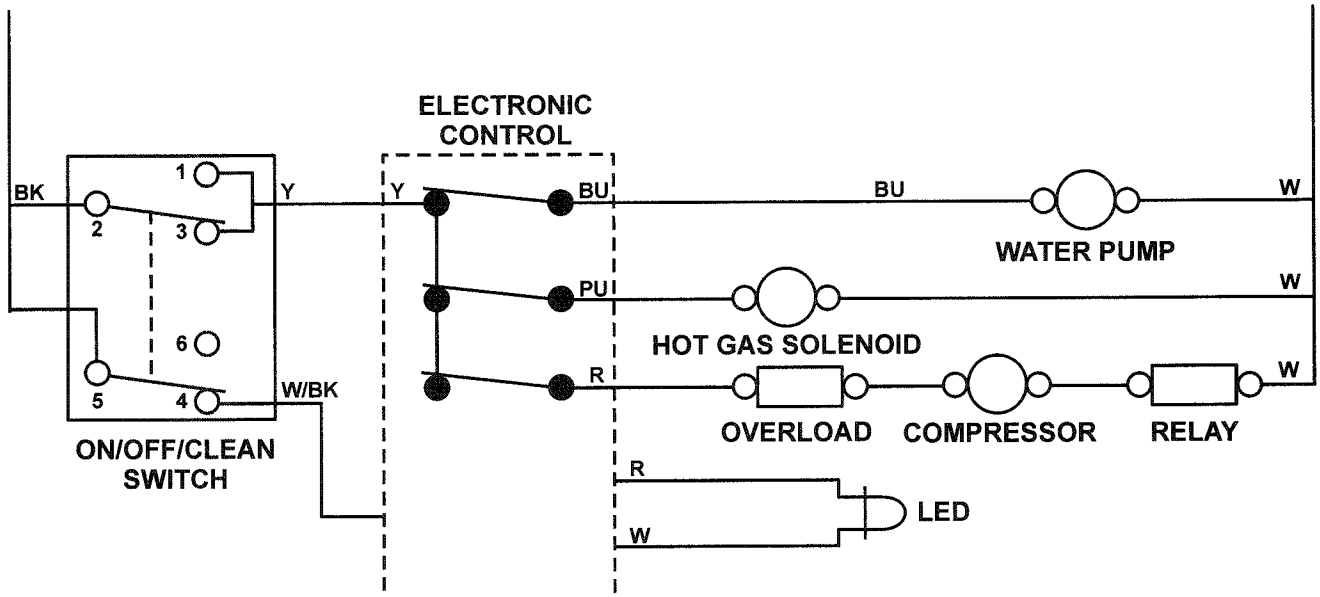
2. Harvest Mode



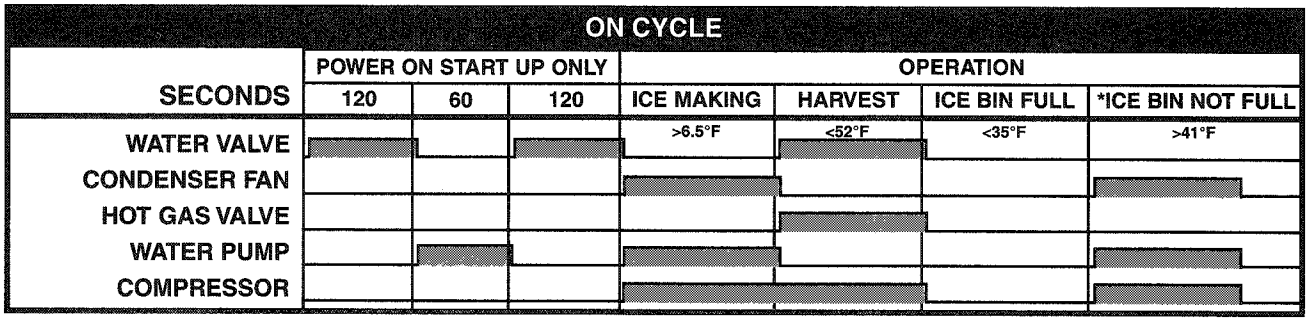
3. First 25 Seconds of Diagnostics/Clean Mode



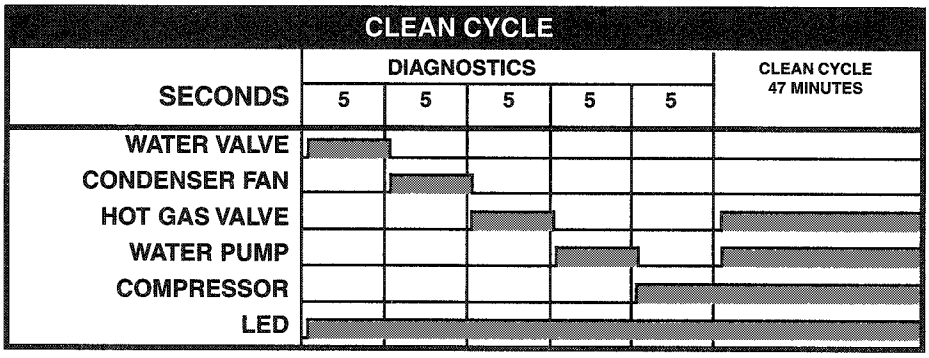
3. Last 47 Minutes of Diagnostics/Clean Mode



CYCLE CHARTS

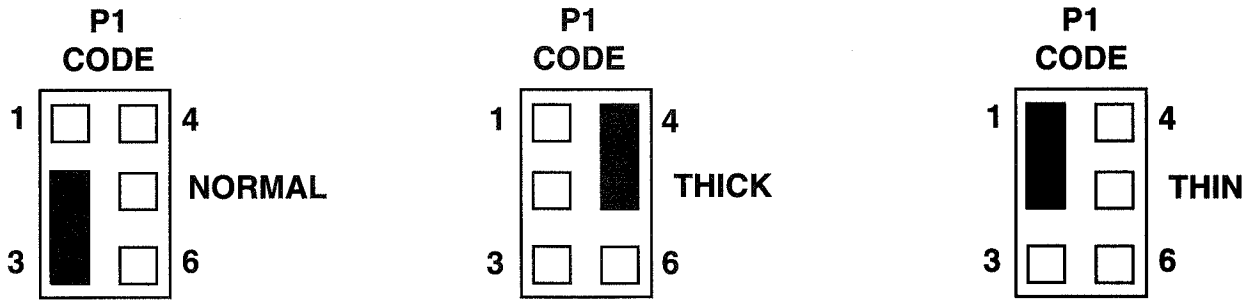


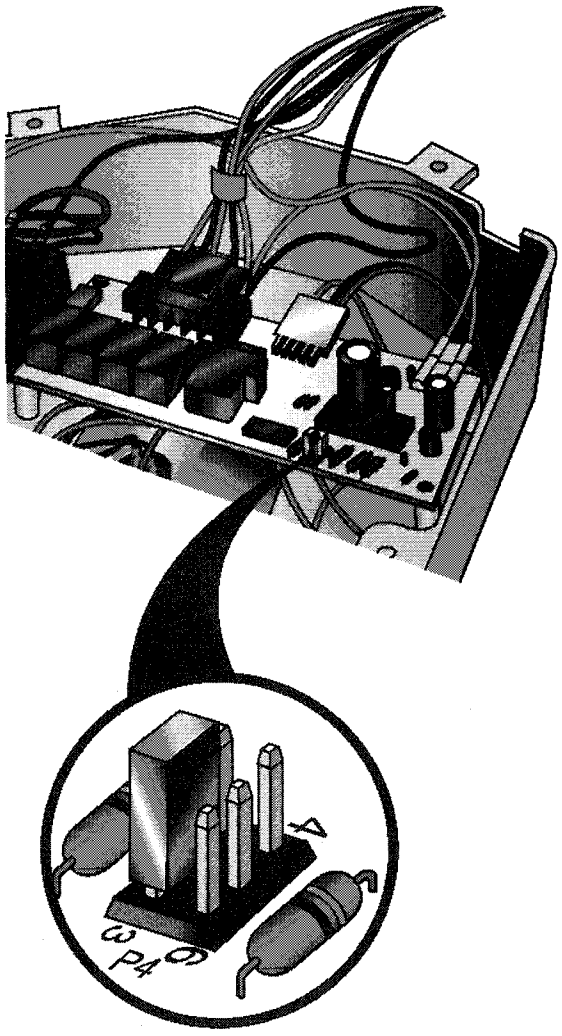
** Return to Ice Making*



Press CLEAN switch for diagnostic mode.
To exit Clean/Diagnostic Cycle press ON or OFF
If a short or open thermistor is detected the LED will flash for 5 seconds before the Clean Cycle is started.

CIRCUIT BOARD JUMPERS
(To Adjust Ice Thickness)





NOTE: The default position for the circuit board is the normal position. If the jumper is missing, the control will automatically default to the normal thickness.

SECTION SIX
CARE AND CLEANING

Periodically inspect and clean the icemaker to keep it operating at peak efficiency.

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 buildup. Frequency of cleaning depends on water hardness. With hard water (15 to 20 grains/gal. [4 to 5 grains/liter]), cleaning may be required as frequently as every 6 months.

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

Do not use abrasive cleaners on enamel surfaces as they may scratch the finish.

Models with a stainless steel exterior can be cleaned with a commercially available stainless steel cleaner using a clean, soft cloth. Do not use appliance wax or polish on the stainless steel.

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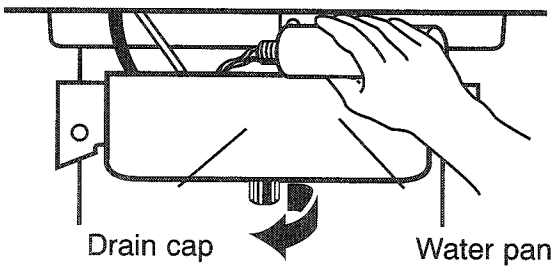
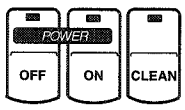
1. Push the selector switch to OFF.
2. Wait 5 to 10 minutes for the ice to fall into the storage bin. Remove all ice from the storage bin.
3. Unscrew the drain cap from the bottom of the water pan located inside the storage bin as shown. Allow the water to drain completely.



4. Replace the drain cap.
5. Use one 16 oz. bottle of Nickel Safe Ice Machine Cleaner by Nu Calgon. Read and follow all safety precautions on the bottle. Pour one bottle of solution into the water reservoir. Fill the bottle twice with tap water and pour it into the water reservoir.

Nickel Safe Ice Machine Cleaner by Nu Calgon is available at appliance repair shops.

6. Push the selector switch to CLEAN. The light will turn on indicating that the cleaning cycle is in process.



7. When the indicator light turns off (approximately 45 minutes), the cleaning cycle is complete. During the cleaning cycle, the system will both clean and rinse itself.
8. After the cleaning cycle is complete, remove the drain cap from the water pan to see if any cleaning solution is left in the water pan. If cleaning solution drains from the water pan, you should run the clean cycle again.

NOTE: Severe scale buildup may require repeated cleaning with a fresh quantity of cleaning solution.

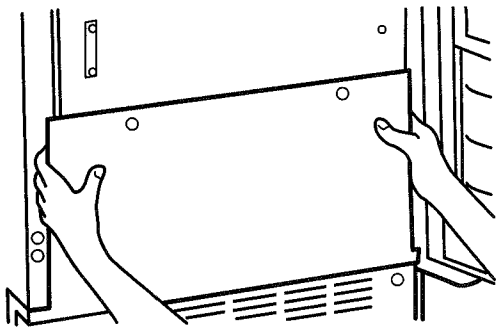
9. Push the selector switch to ON to resume ice production.

CLEANING THE CONDENSER

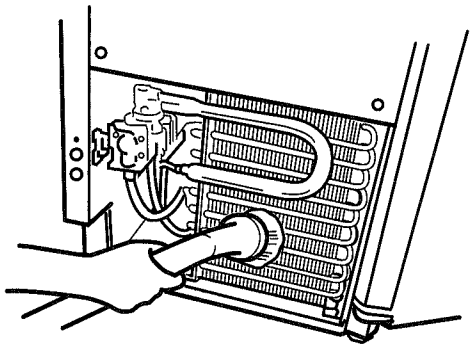
A dirty or clogged condenser:

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

1. Unplug the icemaker or disconnect power.
2. Remove the 2 screws in the lower access panel and the 2 screws from the base grille area of the front panel support. Pull forward to remove the lower access panel.
3. Pull the bottom forward and then pull down to remove the lower access panel.



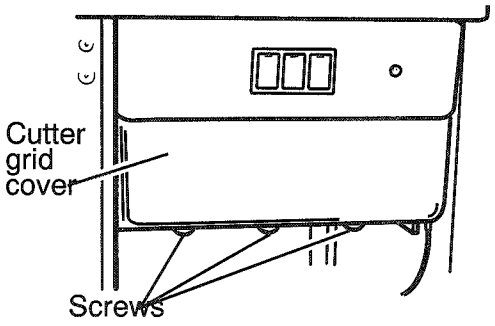
4. Remove dirt and lint from the condenser fins and the unit compartment with a brush attachment attached to a vacuum cleaner.



5. Replace the lower access panel using the 4 screws.
6. Plug in the icemaker or reconnect power.

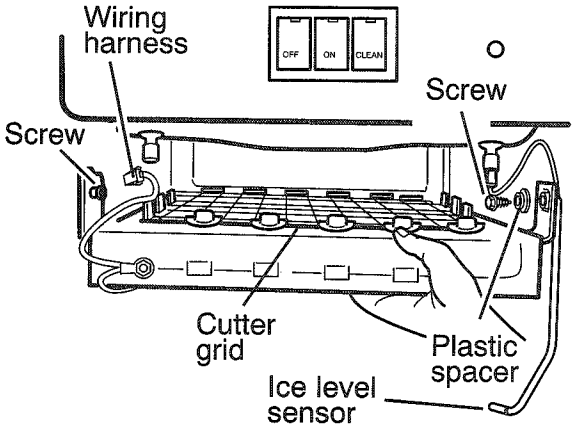
CLEANING THE INTERIOR

1. Unplug the icemaker or disconnect power.
2. Open the storage bin door and remove any ice that is in the bin.
3. Remove the drain cap from the water pan and drain thoroughly. Replace the drain cap.
4. Remove the three screws that hold the cutter grid cover in place.
5. Unplug the wiring harness from the left side of the cutter grid.

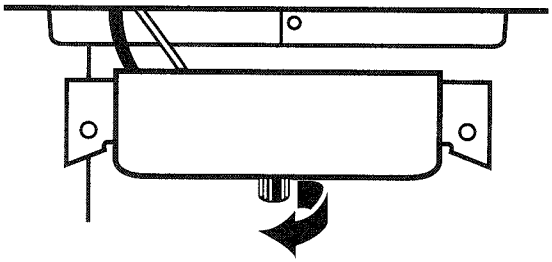


6. Unplug the ice level sensor from the right side of the cutter grid. Pull the ice level sensor down and forward away from the cutter grid.
7. Remove the right-hand screw and loosen the left-hand screw. Lift the cutter grid up and out over the left-hand screw.

NOTE: Make sure the plastic spacer from the right-hand side of the cutter grid bracket stays with the cutter grid.



8. Remove the two screws that hold the water pan in place. Push down with one hand on



the front of the pan while pulling forward on the bottom back side.

9. The cutter grid, exterior of hoses, water pan, storage bin, door gasket, and ice scoop should be cleaned with mild soap or detergent and warm water. Rinse in clean water. Then clean the same parts with a solution of 1 tablespoon (15 mL) of household bleach in 1 gallon (3.8 L) warm water. Rinse again thoroughly in clean water.

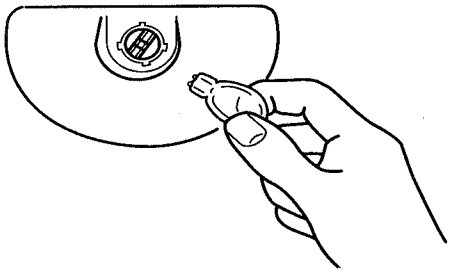
NOTE: Do not remove hoses. Do not wash plastic parts in dishwasher. They cannot withstand high temperatures.

10. Wash only the outside of the plastic hoses with mild soap or detergent and warm water. Rinse with clean water.
11. Replace water pan by pushing back on the bottom with one hand while pushing up and back on the top. Secure the water pan by replacing both screws.
12. Check the following:
    - Drain cap from the water pan is in place.
    - Hose from the water pan is inserted into the storage bin drain opening.
13. Slide the cutter grid back into place and secure it by replacing the right-hand screw and tightening the left-hand screw. Reconnect the electrical and ice level sensor harnesses.
14. Replace the cutter grid cover with three screws.
15. Plug in the icemaker or reconnect power.
16. Reset the controls. See the "Set controls" section.

LIGHT BULB REPLACEMENT

The icemaker has a light bulb in the top of the storage bin. To replace it, open the bin door and follow these instructions:

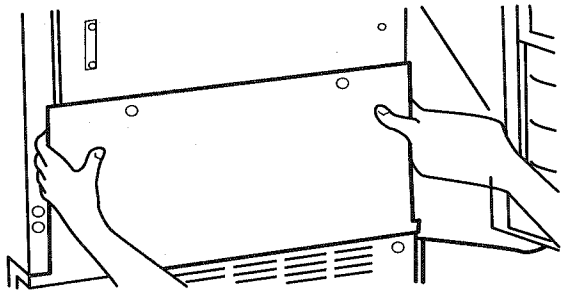
1. Unplug the icemaker or disconnect power.
2. Remove the 3 screws that hold the cutter grid cover in place. Reach behind the control panel and pull the light bulb down.
3. Replace with a 12-volt wedge base-type bulb (automotive #917). Locate the light bulb receptacle at the top behind the control panel. Align the flat edge of the light bulb with the receptacle and snap the bulb into place.
4. Replace the cutter grid cover with the 3 screws.
5. Plug in the icemaker or reconnect power.



VACATION AND MOVING

To shut down the icemaker:

1. Unplug the icemaker or disconnect power.
2. Remove all ice from the storage bin.
3. Shut off the water supply.
4. Remove the 2 screws in the lower access panel and the 2 screws from the base grille area of the front panel support. Pull forward to remove the lower access panel.



5. Disconnect the inlet and outlet lines to water valve. Allow these lines to drain and then reconnect to the valve.
6. Replace the lower access panel and screws. Drain water from water pan by removing the drain cap. Also, remove water from drain line.
7. Before using again, clean the icemaker and storage bin.
8. Plug in the icemaker or reconnect power.

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

YOUR MONOGRAM ICEMAKER WARRANTY

WHAT IS COVERED

From the Date of the Original Purchase

FULL ONE-YEAR WARRANTY

For one year from date of original purchase, we will provide, free of charge, parts and service labor in your home to repair or replace any part of the icemaker that fails because of a manufacturing defect.

FULL FIVE-YEAR WARRANTY

For five years from date of original purchase, we will provide, free of charge, parts and service labor in your home to repair or replace any part of the sealed icemaking system (the compressor, condenser, evaporator and all connecting tubing) that fails because of a manufacturing defect.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for ordinary home use in the 48 mainland states, Hawaii and Washington, D.C. In Alaska the warranty is the same except that it is LIMITED because you must pay to ship the product to the service shop or for the service technician's travel costs to your home.

All warranty service will be provided by our Factory Service Centers or by our authorized Customer Care® servicers during normal working hours.

Should your appliance need service, during warranty period or beyond, call 800.444.1845.

WHAT IS NOT COVERED

- Service trips to your home to teach you how to use the product.

  Read your Use and Care material.

  If you then have any questions about operating the product, please contact your dealer or our Customer Relations office at the address below, or call, toll free:

  GE Answer Center®
  800.626.2000
  consumer information service
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Failure of the product if it is used for other than its intended purpose or used commercially.
- Improper installation.

  If you have an installation problem, contact your dealer or installer. You are responsible for providing adequate electrical, plumbing and other connecting facilities.

  WARRANTOR IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are in your state, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. If further help is needed concerning this warranty, write: Manager—Customer Relations, GE Appliances, Louisville, KY 40225

Monogram®
General Electric Company
Louisville, KY 40225